

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003368.D
 Acq On : 13 Jul 2018 17:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM

Quant Time: Jul 14 02:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 17:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	348315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	464787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	153701	39.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.46%	
35) Dibromofluoromethane	5.50	113	140488	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	
50) Toluene-d8	8.72	98	489502	41.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.80%	
62) 4-Bromofluorobenzene	11.14	95	201166	40.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	167250	60.82	ug/l	98
3) Chloromethane	1.32	50	199568	59.41	ug/l	99
4) Vinyl Chloride	1.40	62	232282	51.65	ug/l	100
5) Bromomethane	1.64	94	105855	41.60	ug/l	97
6) Chloroethane	1.72	64	145106	57.83	ug/l	99
7) Trichlorofluoromethane	1.93	101	320471	49.46	ug/l	98
8) Diethyl Ether	2.19	74	133234	46.43	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	202586	48.65	ug/l	96
10) Methyl Iodide	2.51	142	229706	54.31	ug/l	94
11) Tert butyl alcohol	3.06	59	219530	217.35	ug/l	100
12) 1,1-Dichloroethene	2.37	96	187065	48.37	ug/l	93
13) Acrolein	2.29	56	127952	385.18	ug/l	98
14) Allyl chloride	2.73	41	351962	47.45	ug/l	88
15) Acrylonitrile	3.15	53	541336	214.67	ug/l	98
16) Acetone	2.45	43	418022	213.79	ug/l	90
17) Carbon Disulfide	2.57	76	534019	56.24	ug/l	100
18) Methyl Acetate	2.78	43	258229	42.53	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	629795	45.55	ug/l	99
20) Methylene Chloride	2.86	84	209605	50.37	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	203020	49.20	ug/l	93
22) Diisopropyl ether	3.87	45	670736	48.58	ug/l	96
23) Vinyl Acetate	3.82	43	2815333	249.54	ug/l	97
24) 1,1-Dichloroethane	3.70	63	376473	48.09	ug/l	100
25) 2-Butanone	4.70	43	669220	220.82	ug/l	92
26) 2,2-Dichloropropane	4.58	77	284797	51.40	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	220556	48.62	ug/l	92
28) Bromochloromethane	5.02	49	163632	45.88	ug/l	89
29) Tetrahydrofuran	5.16	42	442109	228.36	ug/l	92
30) Chloroform	5.21	83	354230	47.21	ug/l	97
31) Cyclohexane	5.57	56	328229	54.79	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	305906	48.94	ug/l	98
36) 1,1-Dichloropropene	5.80	75	277696	53.80	ug/l	98
37) Ethyl Acetate	4.86	43	262203	46.35	ug/l	96
38) Carbon Tetrachloride	5.78	117	274600	52.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	339576	58.11	ug/l	95
40) Benzene	6.14	78	823504	50.94	ug/l	99
41) Methacrylonitrile	5.06	41	150816	46.54	ug/l	93
42) 1,2-Dichloroethane	6.20	62	271762	48.12	ug/l	96
43) Isopropyl Acetate	6.46	43	430009	48.51	ug/l	94
44) Trichloroethene	7.21	130	236738	51.68	ug/l	100
45) 1,2-Dichloropropane	7.52	63	214104	49.93	ug/l	100
46) Dibromomethane	7.67	93	137536	49.88	ug/l	97
47) Bromodichloromethane	7.90	83	260622	50.13	ug/l	97
48) Methyl methacrylate	7.78	41	223483	49.40	ug/l	86
49) 1,4-Dioxane	7.76	88	96531	977.74	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1374056	237.14	ug/l	92
52) Toluene	8.79	92	532511	51.98	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	330394	54.11	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	300922	53.95	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	211341	49.43	ug/l	98
56) Ethyl methacrylate	9.18	69	319880	52.37	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	342001	49.35	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	793692	267.42	ug/l	98
59) 2-Hexanone	9.50	43	1038215	242.93	ug/l	89
60) Dibromochloromethane	9.59	129	217119	52.31	ug/l	100
61) 1,2-Dibromoethane	9.68	107	217483	50.44	ug/l	99
64) Tetrachloroethene	9.34	164	261361	51.92	ug/l	98
65) Chlorobenzene	10.14	112	606690	50.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	214950	50.94	ug/l	99
67) Ethyl Benzene	10.26	91	1023008	52.67	ug/l	100
68) m/p-Xylenes	10.36	106	806700	107.82	ug/l	96
69) o-Xylene	10.70	106	386934	52.95	ug/l	96
70) Styrene	10.71	104	656344	53.44	ug/l	97
71) Bromoform	10.86	173	167875	51.96	ug/l	99
73) Isopropylbenzene	11.02	105	1038266	52.92	ug/l	100
74) N-amyl acetate	6.46	43	430009	47.28	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	301034	47.00	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	312214m	55.69	ug/l	
77) Bromobenzene	11.26	156	281142	50.71	ug/l	98
78) n-propylbenzene	11.36	91	1186709	53.51	ug/l	99
79) 2-Chlorotoluene	11.42	91	695316	50.76	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	870400	53.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	92023	54.73	ug/l	89
82) 4-Chlorotoluene	11.51	91	823974	51.63	ug/l	98
83) tert-Butylbenzene	11.77	119	846495	52.58	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	891422	54.04	ug/l	97
85) sec-Butylbenzene	11.94	105	1030512	53.56	ug/l	100
86) p-Isopropyltoluene	12.07	119	934011	54.26	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	519052	50.15	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	525747	50.03	ug/l	99
89) n-Butylbenzene	12.39	91	815355	55.35	ug/l	99
90) Hexachloroethane	12.60	117	135412	52.48	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	512560	49.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	61567	48.47	ug/l	91

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QLast Update : Fri Jul 13 17:01:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	378288	53.38	ug/l	99
94) Hexachlorobutadiene	13.79	225	181546	54.29	ug/l	99
95) Naphthalene	13.83	128	1049640	52.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	375773	52.54	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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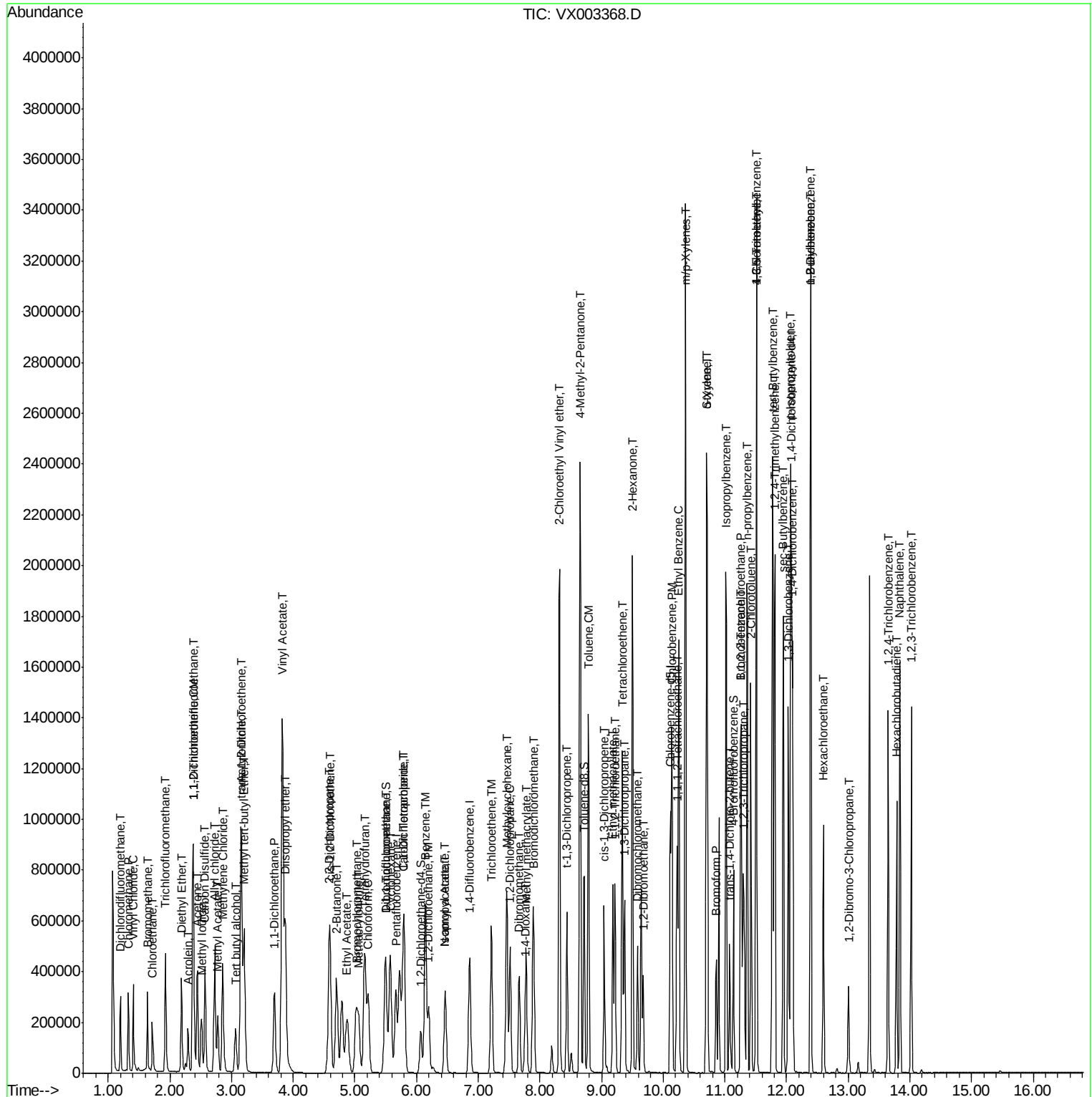
Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX071318

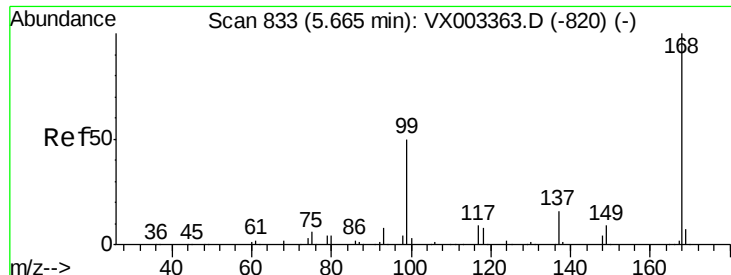
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#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

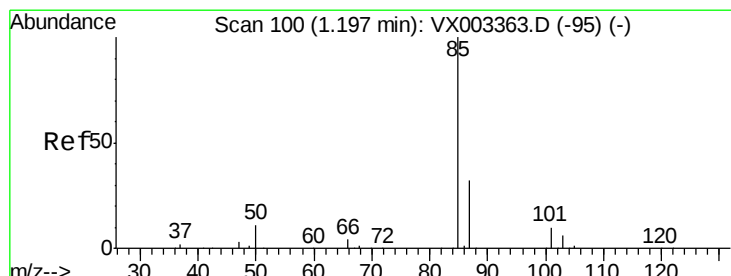
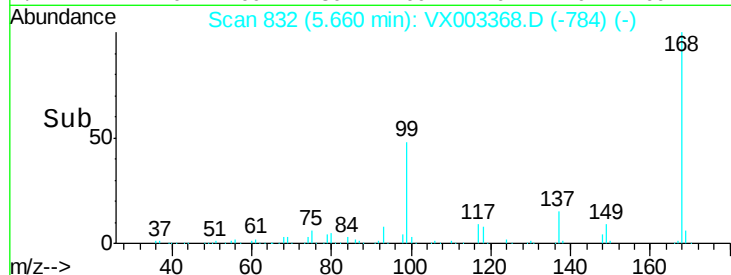
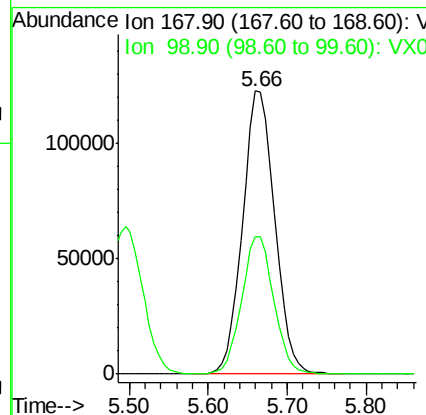
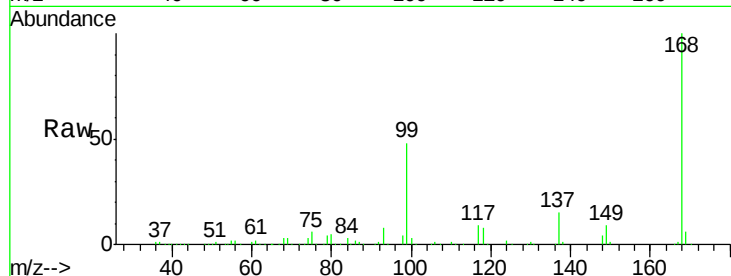
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		348315		
99	48.3		39.3	58.9	

Manual Integrations
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MMDadoda
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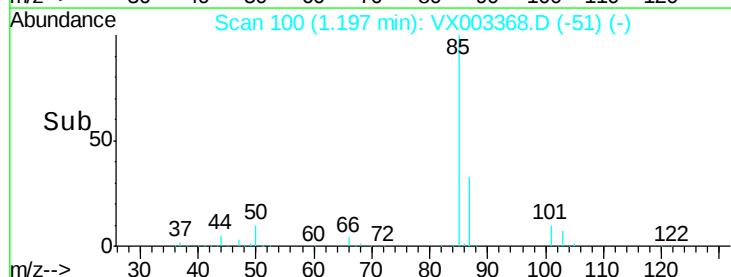
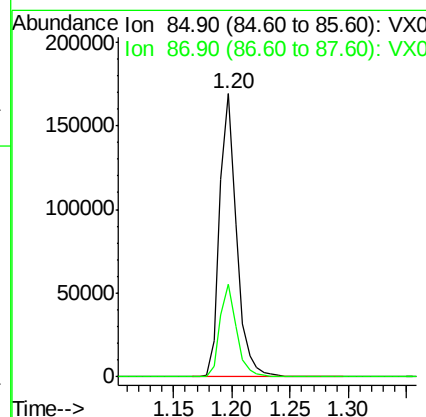
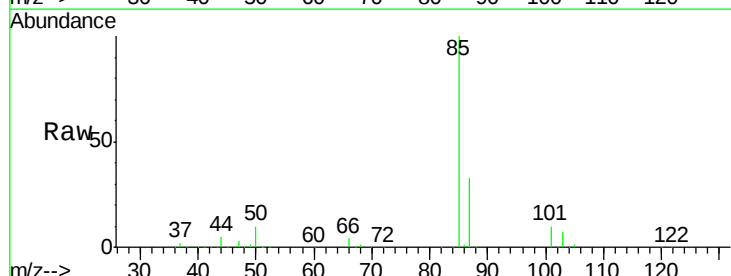
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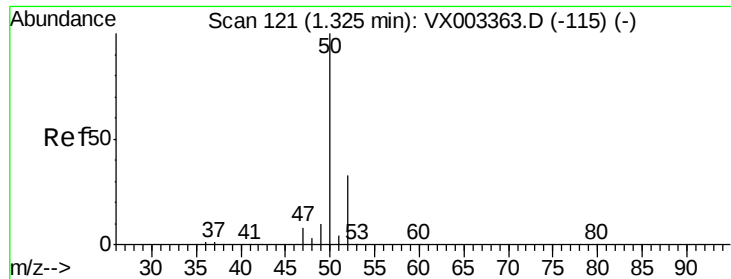


#2

Dichlorodifluoromethane
 Concen: 60.82 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		167250		
87	33.0		16.0	47.9	





#3

Chloromethane

Concen: 59.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 50 Resp: 199568

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5

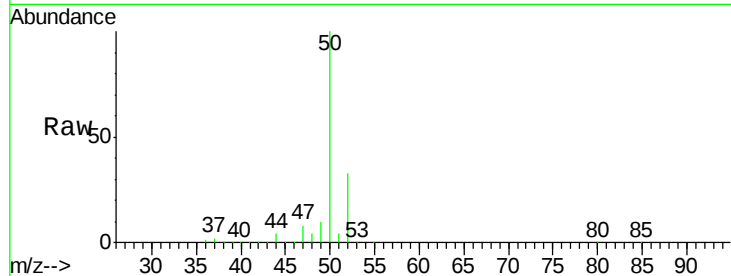
Manual Integrations

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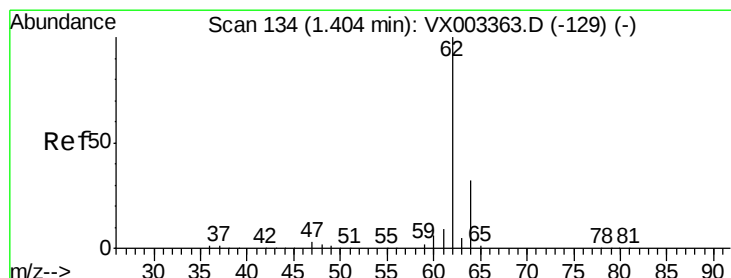
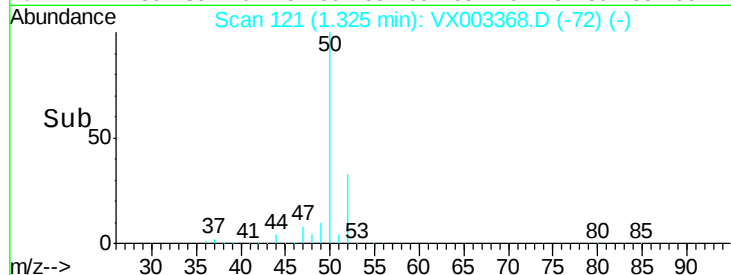
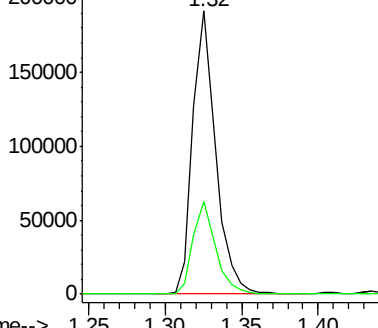
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.65 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003368.D

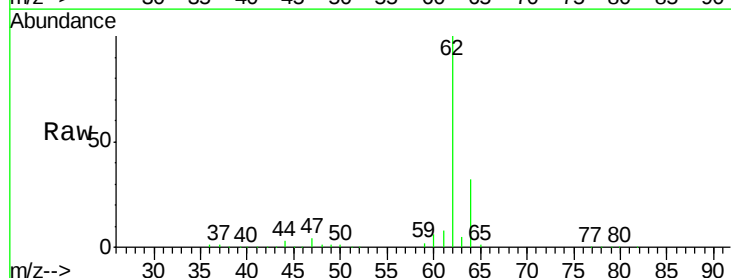
Acq: 13 Jul 2018 17:17

Tgt Ion: 62 Resp: 232282

Ion Ratio Lower Upper

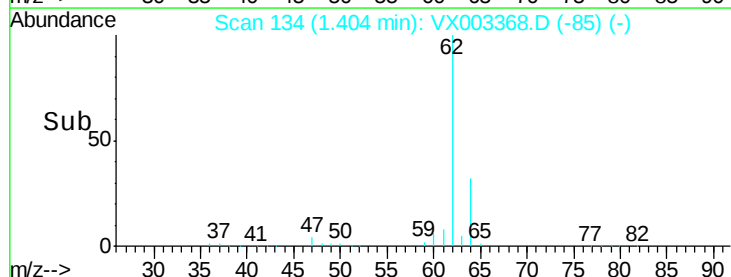
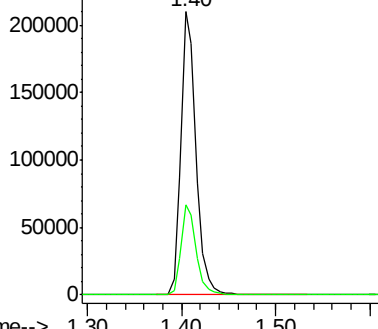
62 100

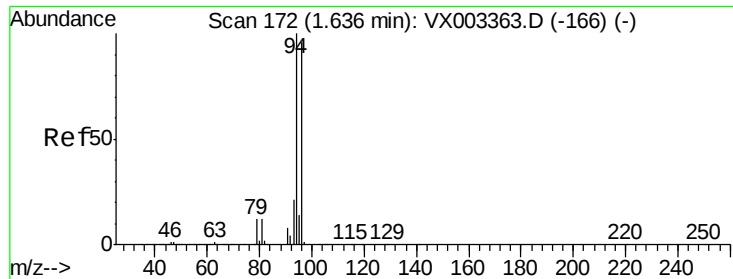
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.60 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 94 Resp: 105855

Ion Ratio Lower Upper

94 100

96 96.0 74.9 112.3

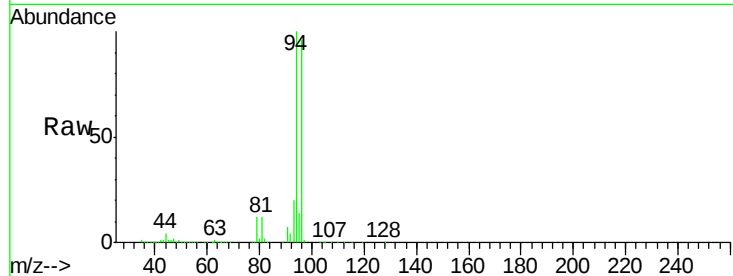
Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

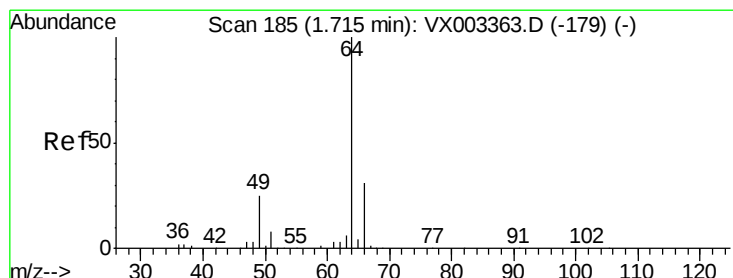
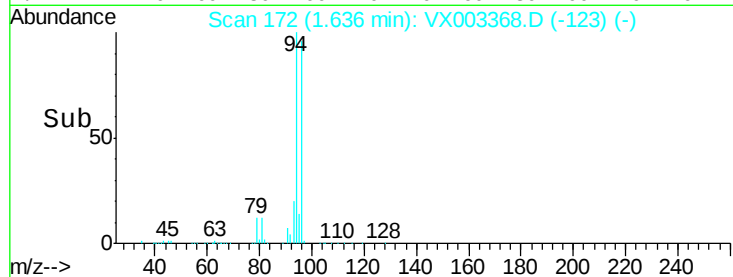
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 57.83 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003368.D

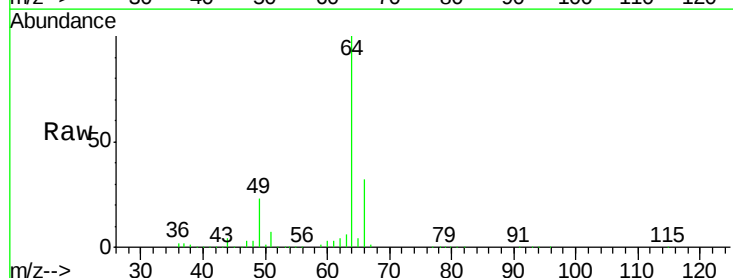
Acq: 13 Jul 2018 17:17

Tgt Ion: 64 Resp: 145106

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

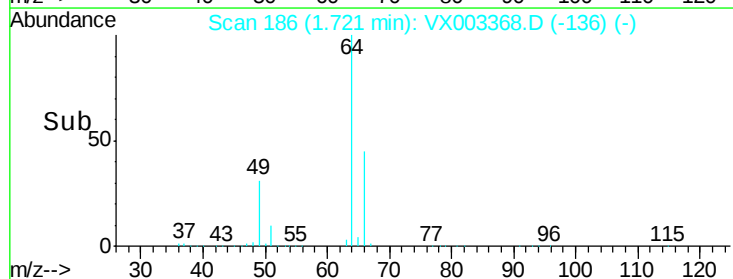
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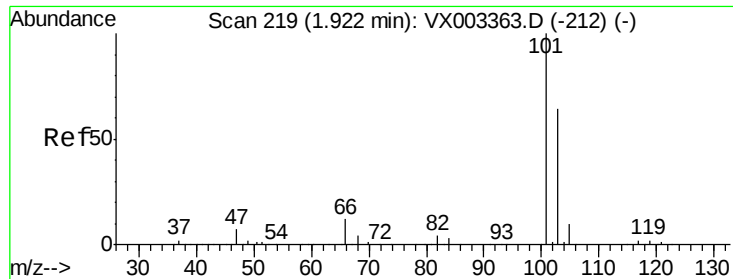
40000

20000

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Time-->





#7

Trichlorofluoromethane
Concen: 49.46 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

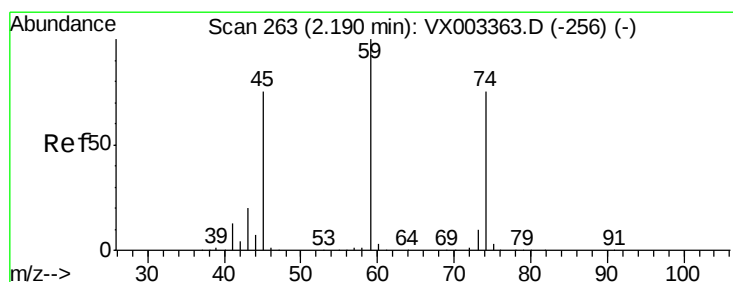
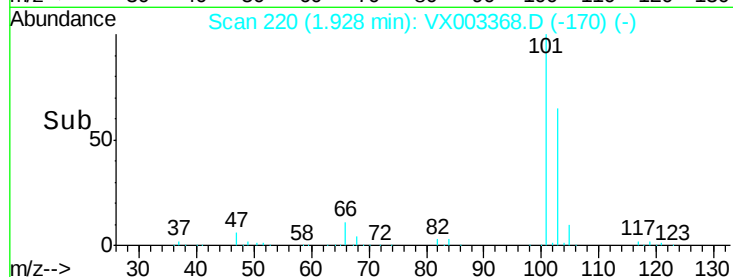
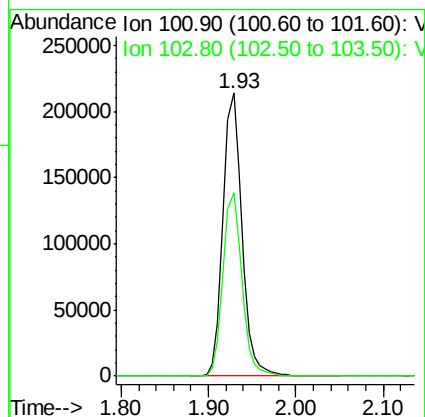
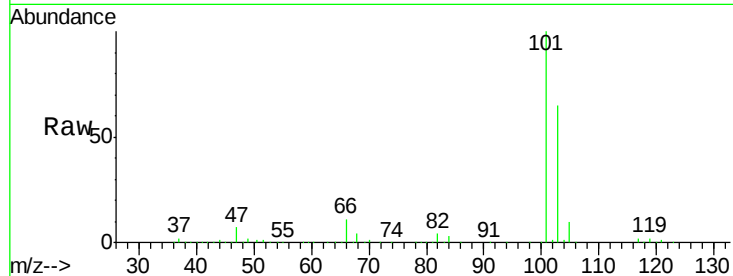
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.8	79.2

Manual Integrations
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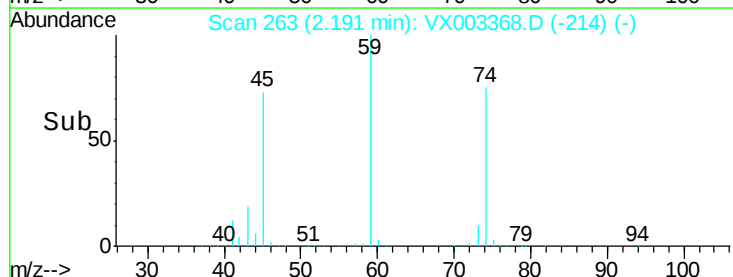
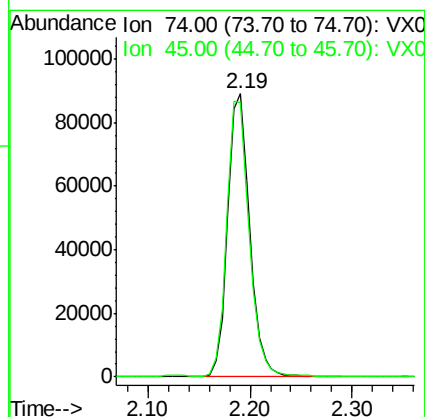
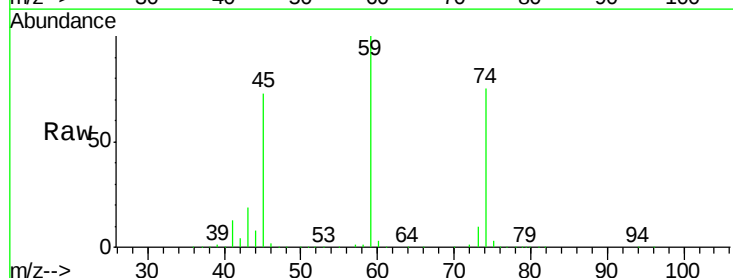
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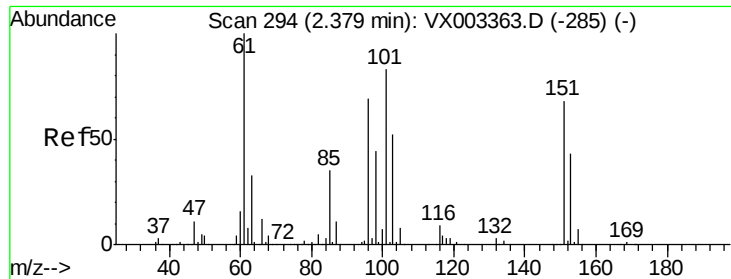


#8

Diethyl Ether
Concen: 46.43 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.65 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

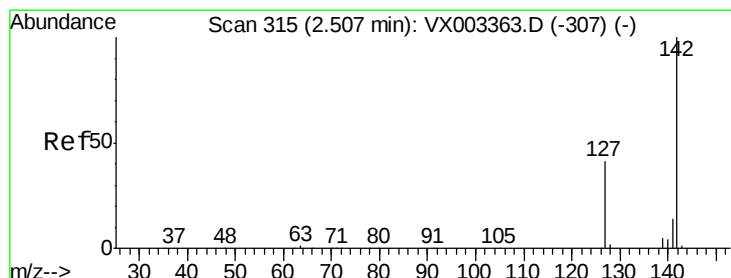
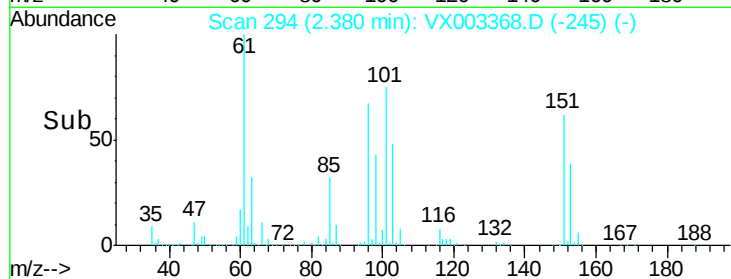
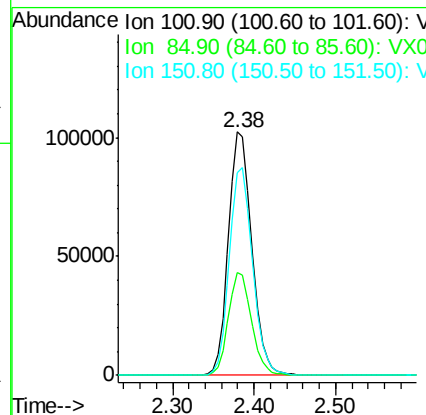
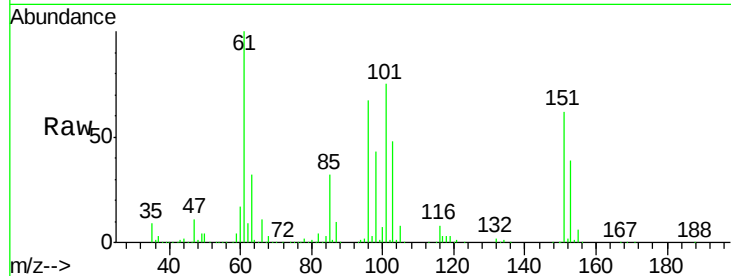
Tot Ion:	101	Resp:	202586
Ion Ratio	Lower	Upper	
101	100		
85	41.7	36.0	54.0
151	85.3	70.9	106.3

Manual Integrations
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7/16/2018 11:24:45 AM



#10

Methyl Iodide

Concen: 54.31 ug/l

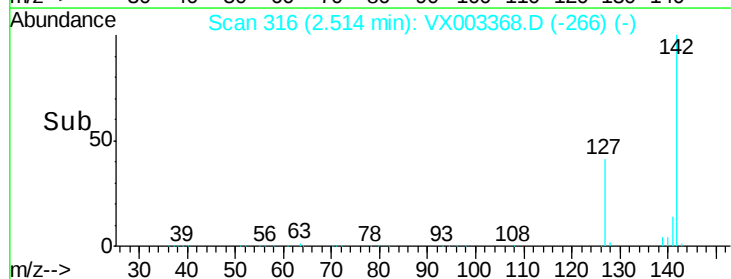
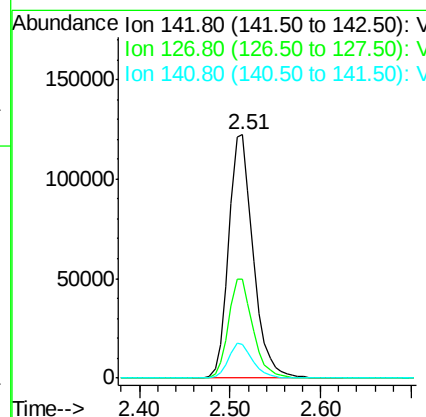
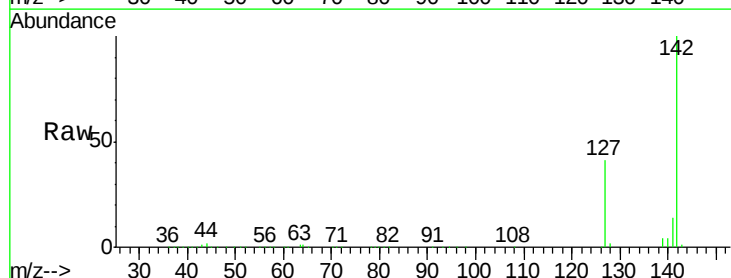
RT: 2.51 min Scan# 316

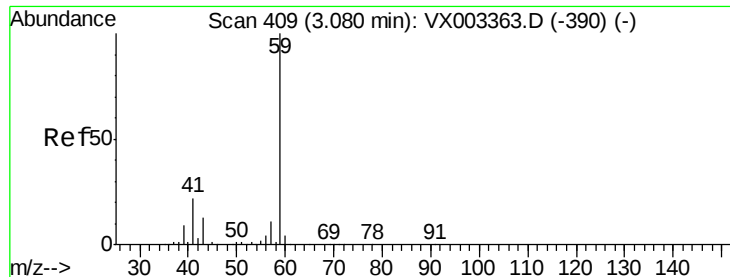
Delta R.T. 0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	142	Resp:	229706
Ion Ratio	Lower	Upper	
142	100		
127	40.5	36.6	55.0
141	14.0	11.3	16.9





#11
Tert butyl alcohol
Concen: 217.35 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

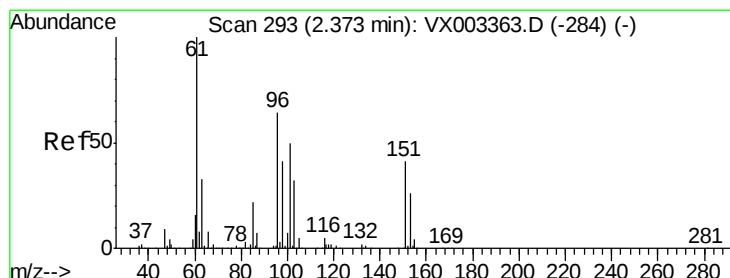
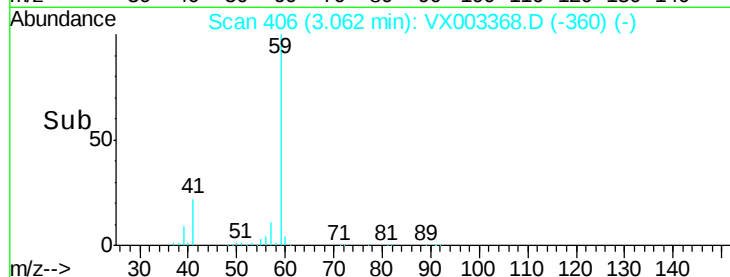
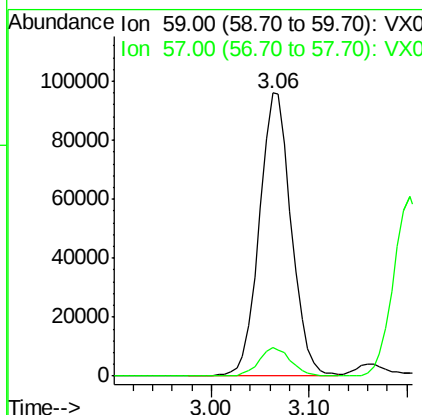
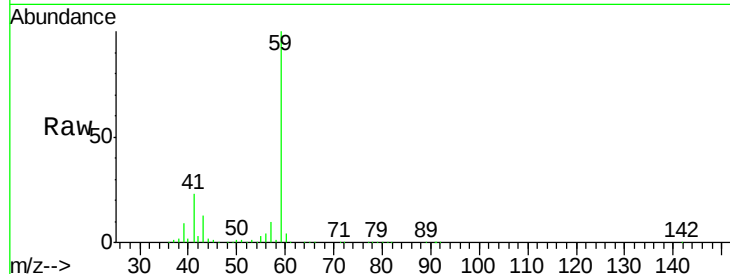
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	219530		
57	57	10.0		8.2	12.2

Manual Integrations
APPROVED

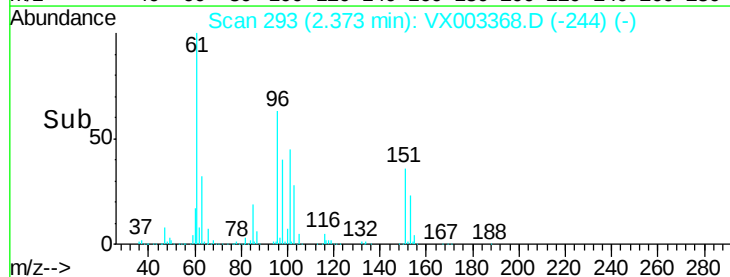
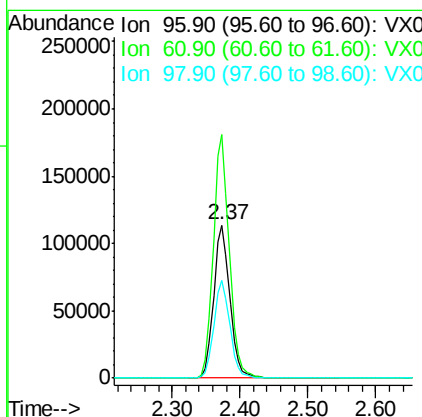
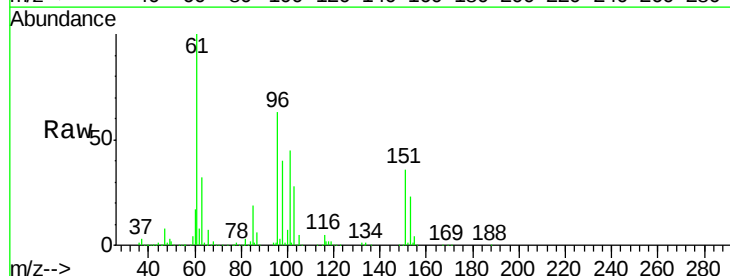
MMDadoda
7/16/2018 11:24:45 AM

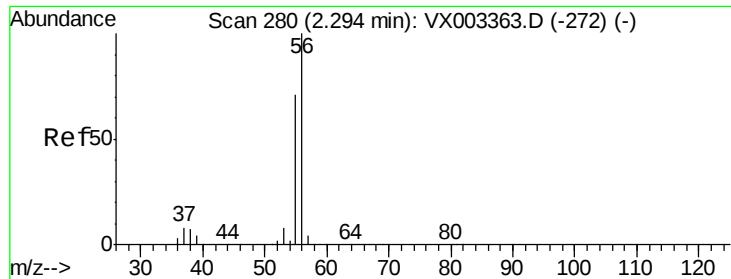
7/16/2018 11:24:45 AM



#12
1,1-Dichloroethene
Concen: 48.37 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	187065		
61	61	159.0		137.9	206.9
98	98	63.6		51.6	77.4





#13
Acrolein
Concen: 385.18 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

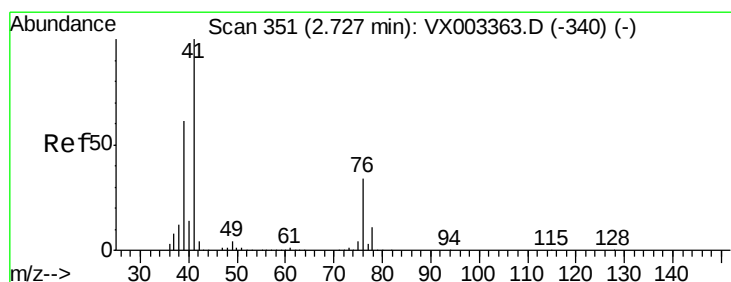
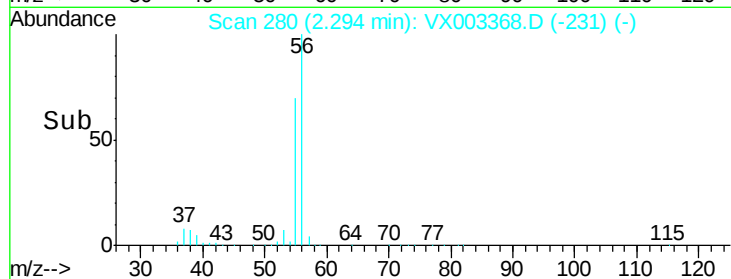
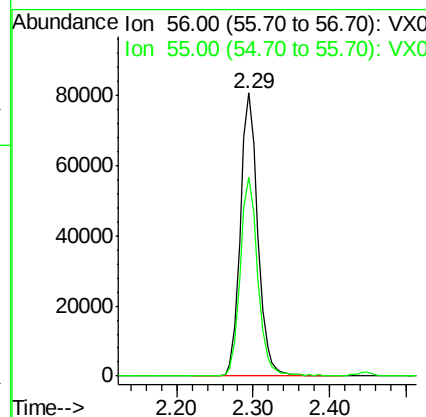
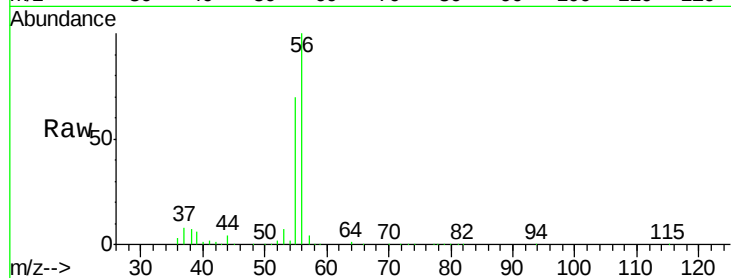
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.0	85.4

Manual Integrations
APPROVED

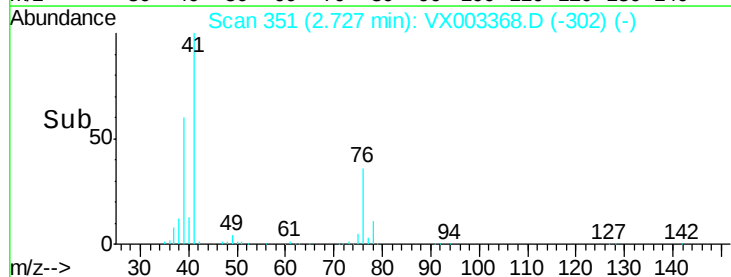
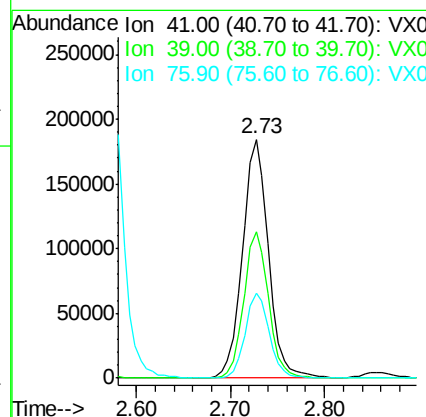
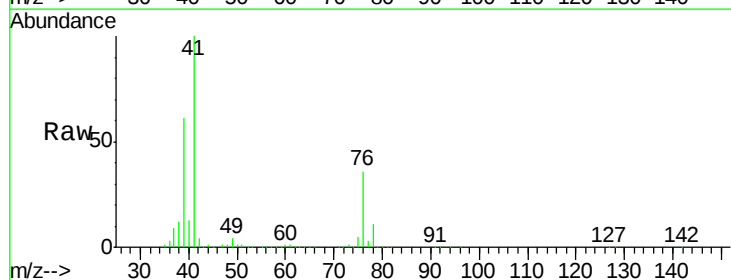
MMDadoda
7/16/2018 11:24:45 AM

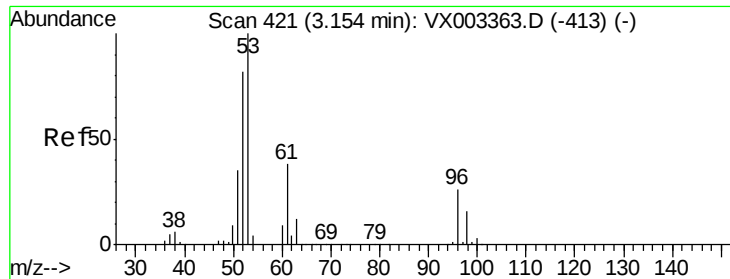
7/16/2018 11:24:45 AM



#14
Allyl chloride
Concen: 47.45 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.9	56.8	85.2
76	33.2	23.8	35.8





#15

Acrylonitrile

Concen: 214.67 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

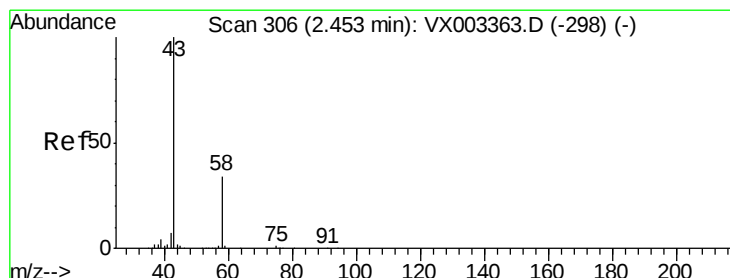
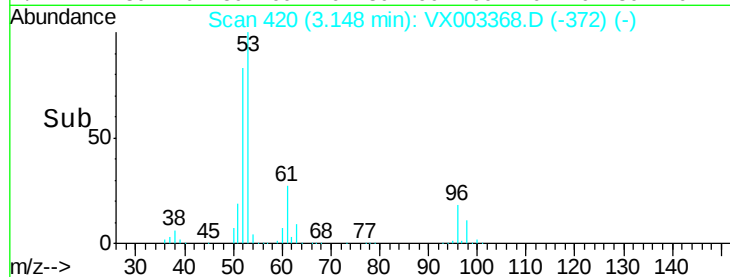
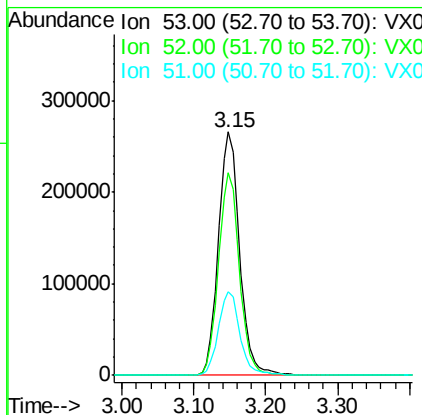
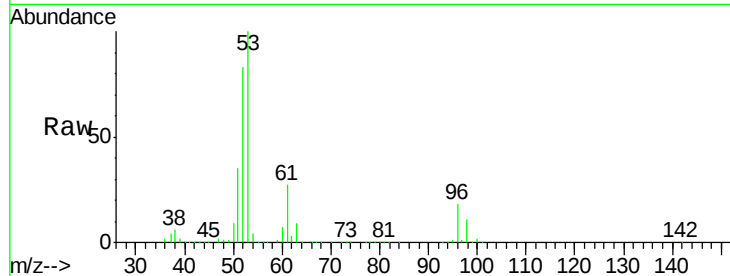
ICVVX071318

Tot Ion:	53	Resp:	541336
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.7	100.1
51	35.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM



#16

Acetone

Concen: 213.79 ug/l

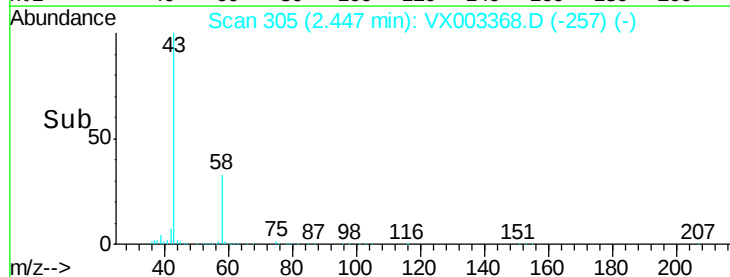
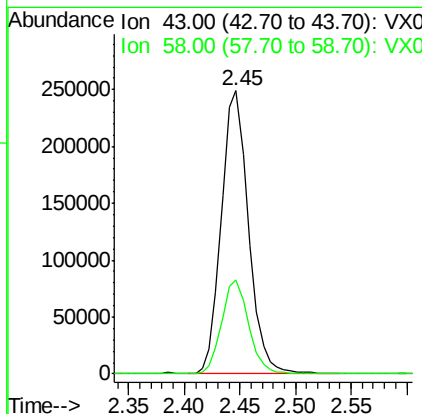
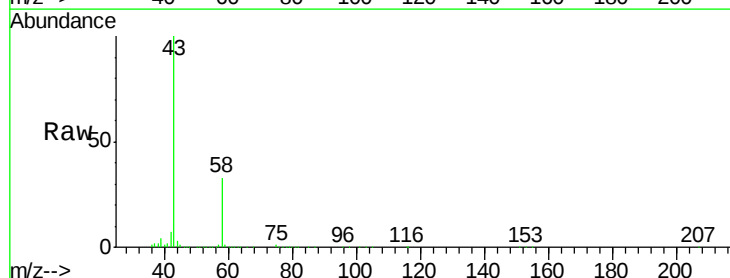
RT: 2.45 min Scan# 305

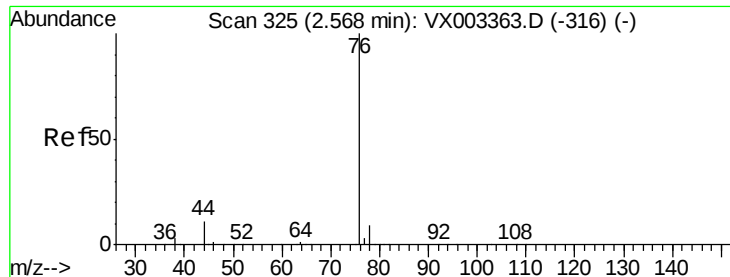
Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	43	Resp:	418022
Ion Ratio	Lower	Upper	
43	100		
58	33.0	22.1	33.1





#17
Carbon Disulfide
Concen: 56.24 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

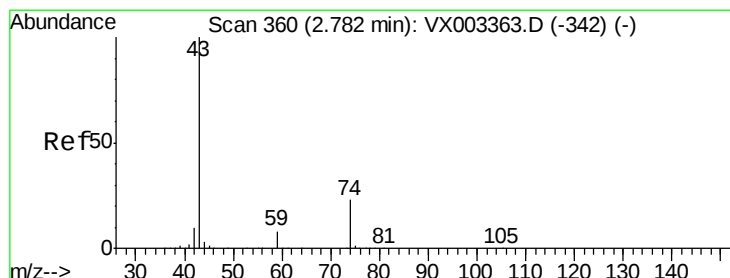
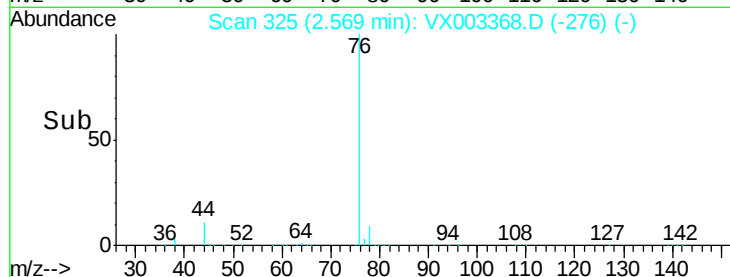
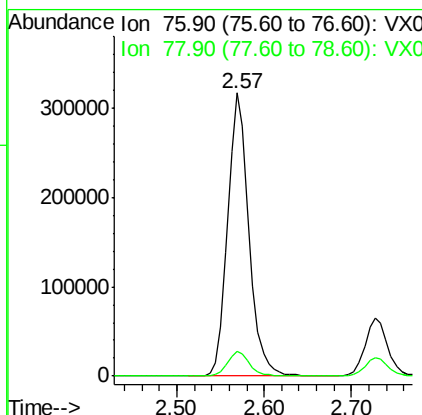
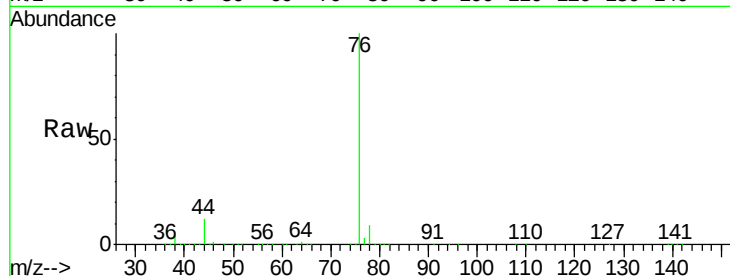
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

Manual Integrations
APPROVED

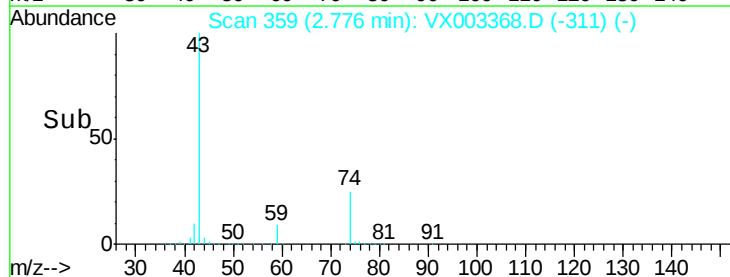
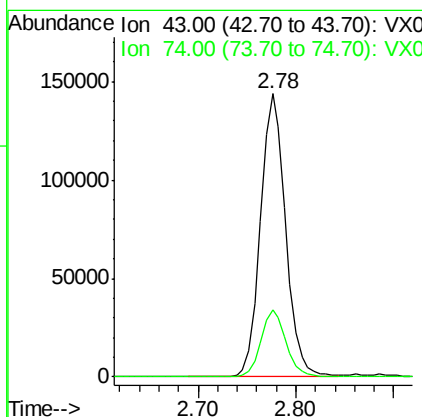
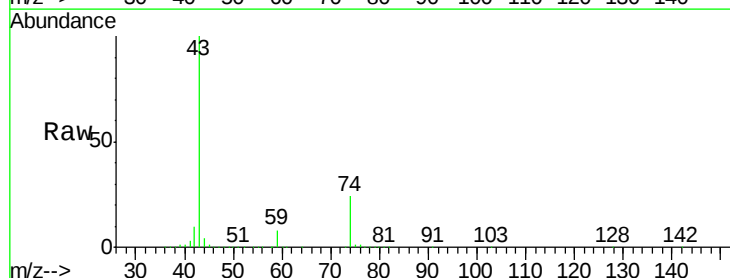
MMDadoda
7/16/2018 11:24:45 AM

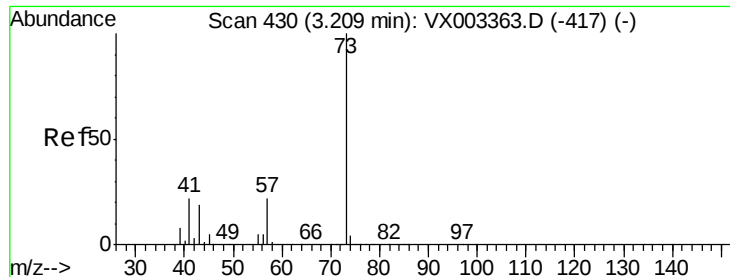
7/16/2018 11:24:45 AM



#18
Methyl Acetate
Concen: 42.53 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	16.7	25.1





#19
Methvl tert-butvl Ether
Concen: 45.55 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

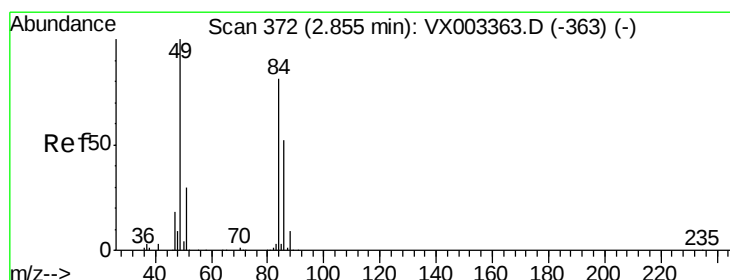
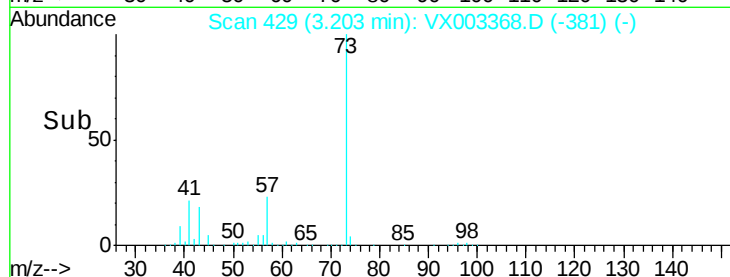
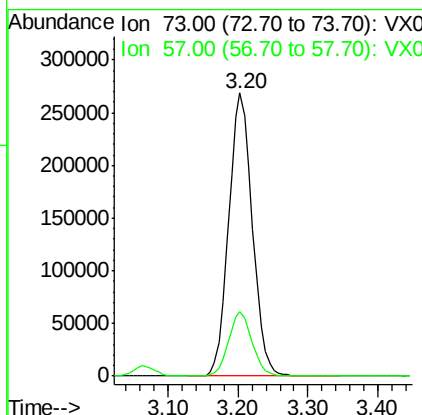
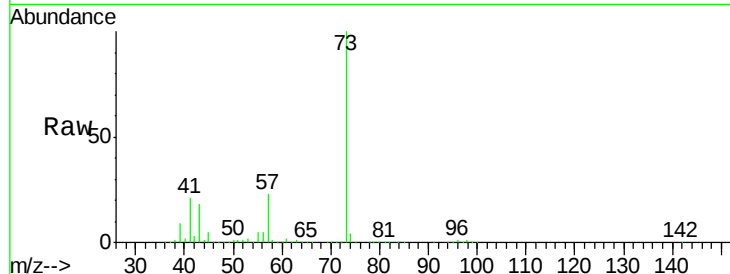
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion: 73 Resp: 629795
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

Manual Integrations
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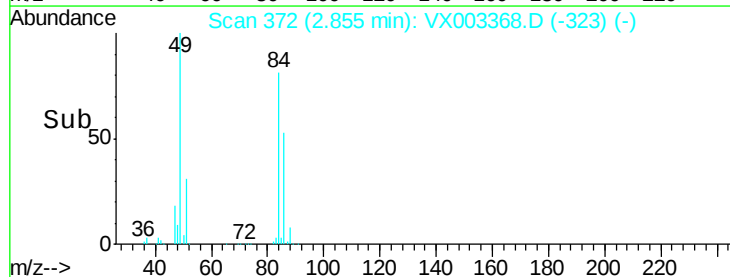
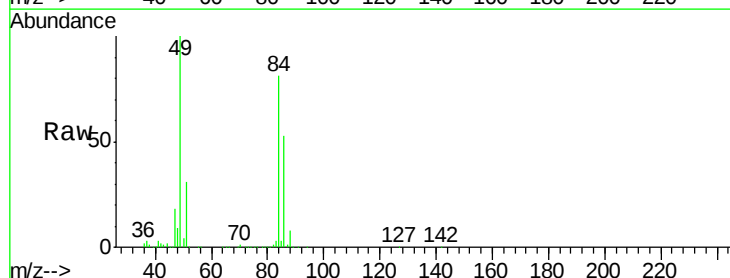
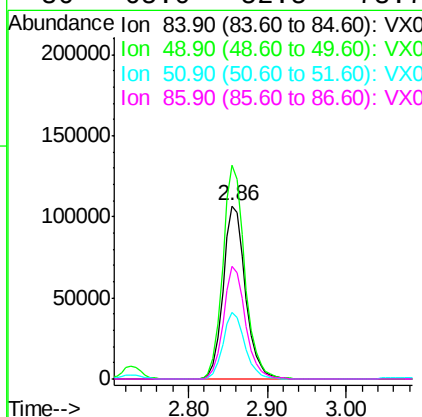
MMDadoda
7/16/2018 11:24:45 AM

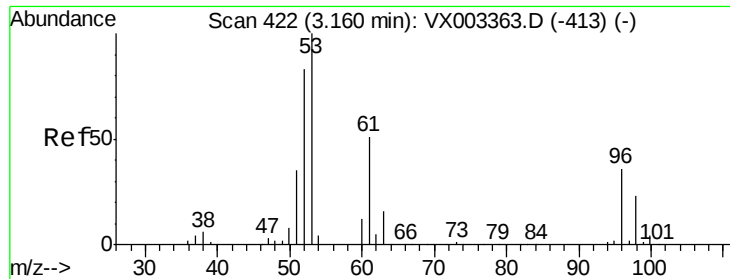
7/16/2018 11:24:45 AM



#20
Methylene Chloride
Concen: 50.37 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion: 84 Resp: 209605
Ion Ratio Lower Upper
84 100
49 123.3 107.8 161.6
51 38.0 32.8 49.2
86 65.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.20 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 96 Resp: 203020

Ion Ratio Lower Upper

96 100

61 135.1 117.0 175.4

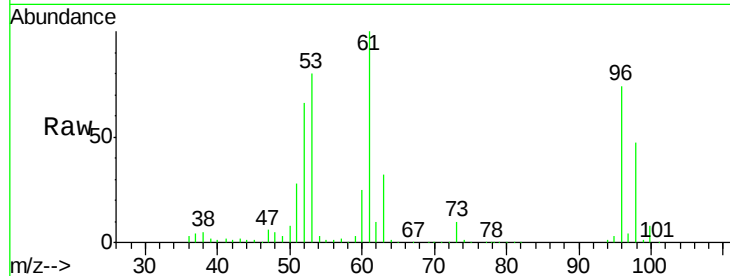
98 64.1 52.4 78.6

Manual Integrations
APPROVED

MMDadoda

7/16/2018 11:24:45 AM

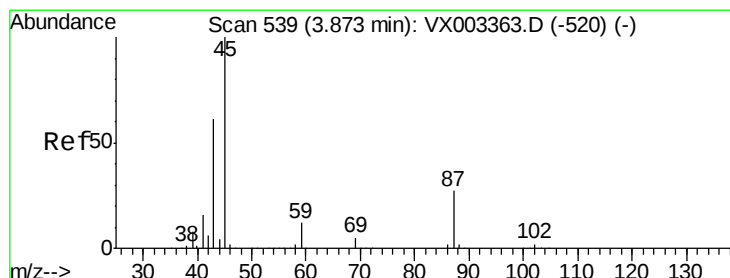
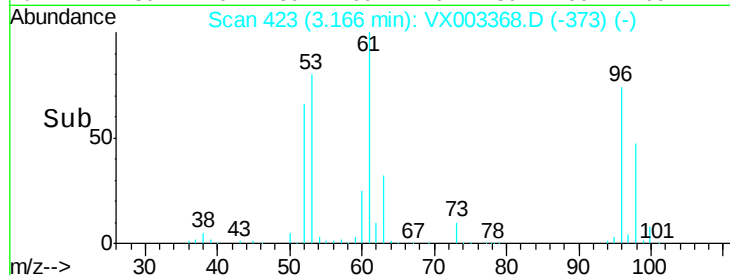
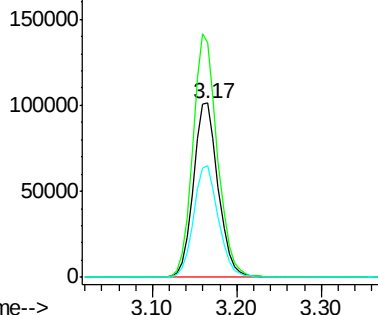
7/16/2018 11:24:45 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.58 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion: 45 Resp: 670736

Ion Ratio Lower Upper

45 100

43 62.0 46.8 70.2

87 27.6 20.2 30.4

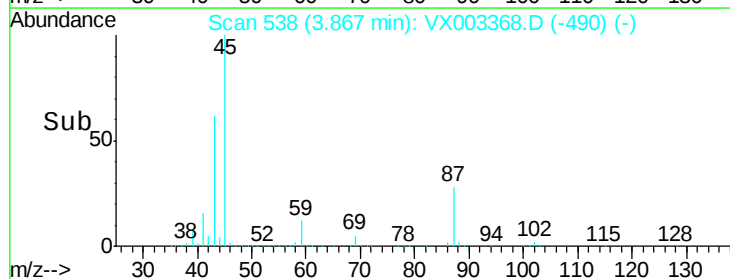
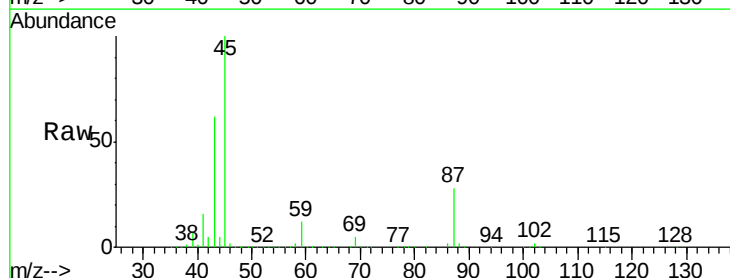
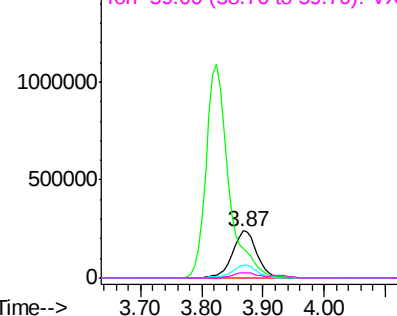
59 11.8 8.7 13.1

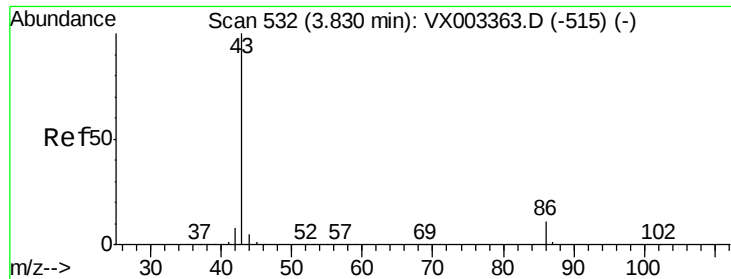
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.54 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 43 Resp: 2815333

Ion Ratio Lower Upper

43 100

86 10.4 7.4 11.0

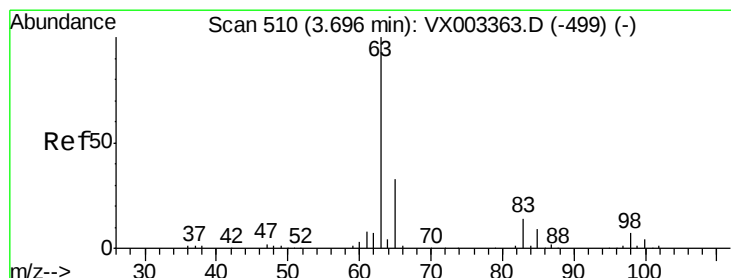
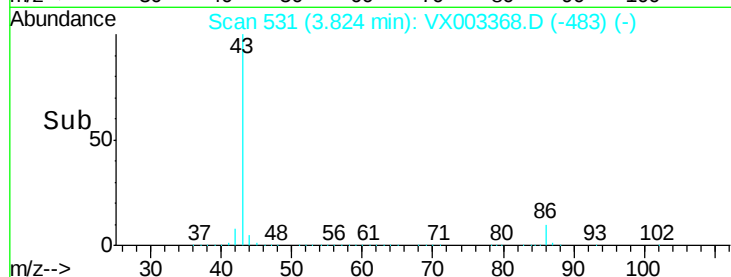
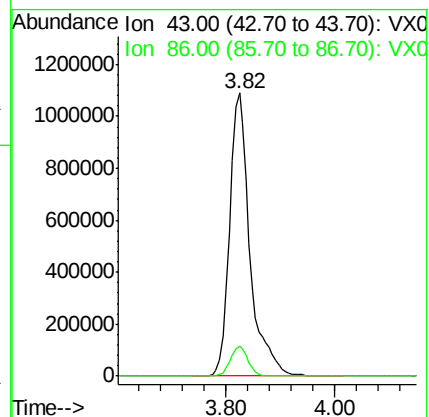
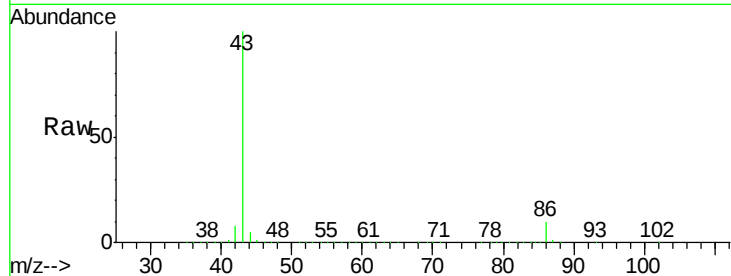
Manual Integrations

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MMDadoda

7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM



#24

1,1-Dichloroethane

Concen: 48.09 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

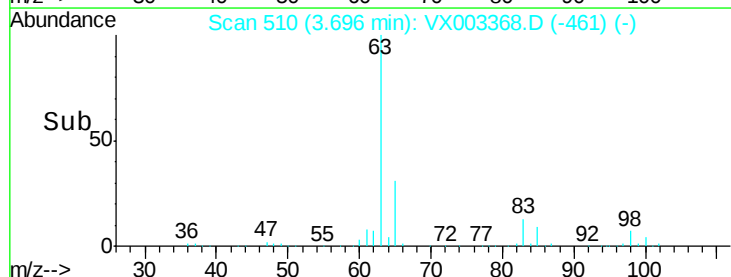
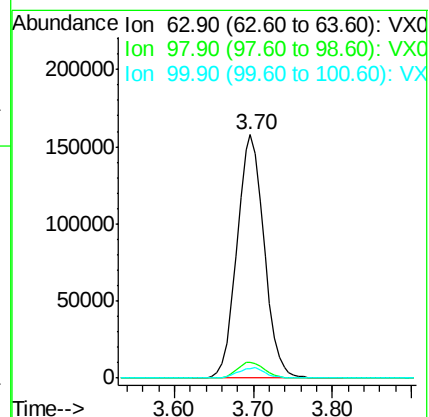
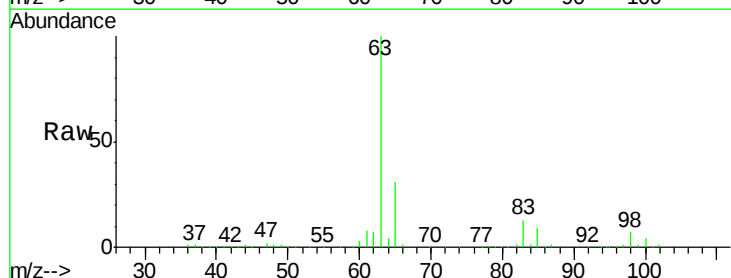
Tgt Ion: 63 Resp: 376473

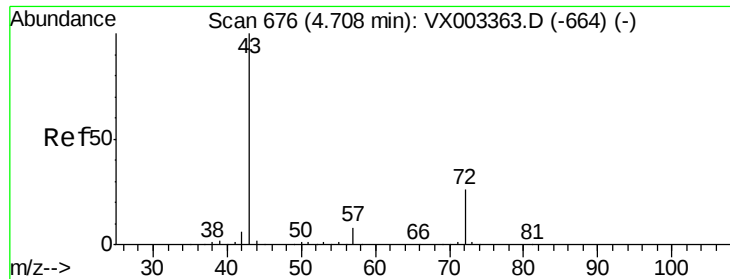
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 220.82 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVXX071318

Tot Ion: 43 Resp: 669220

Ion Ratio Lower Upper

43 100

72 27.0 18.5 27.7

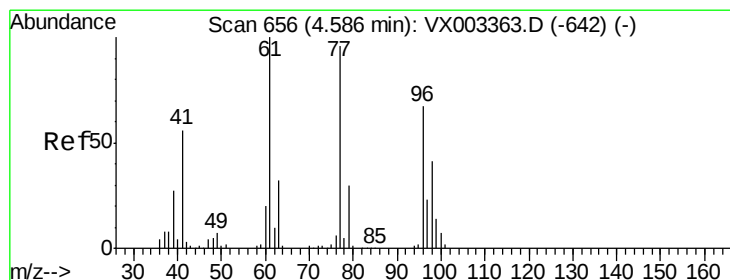
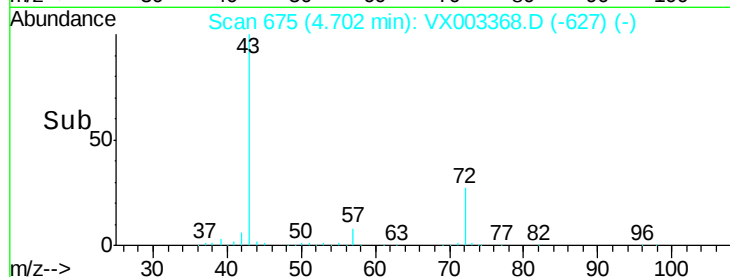
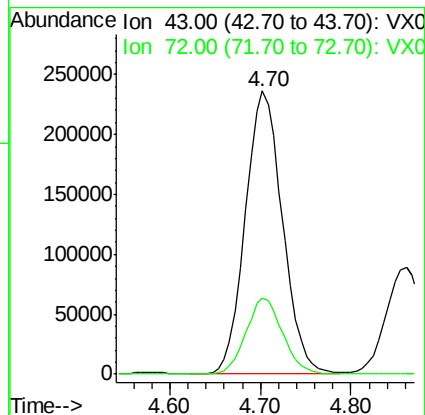
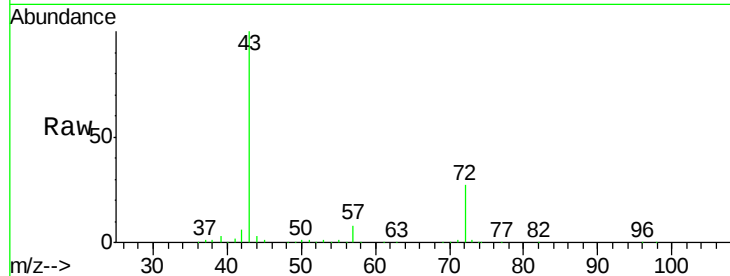
Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.40 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003368.D

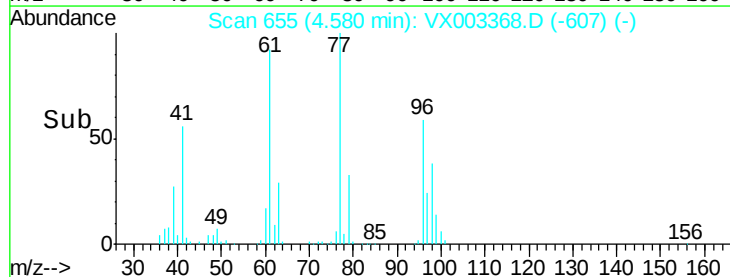
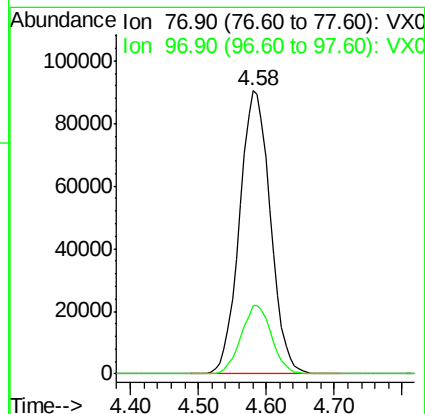
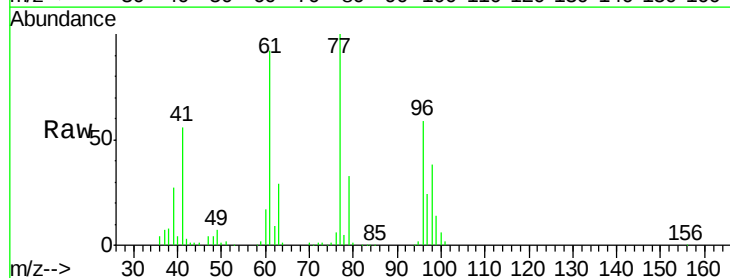
Acq: 13 Jul 2018 17:17

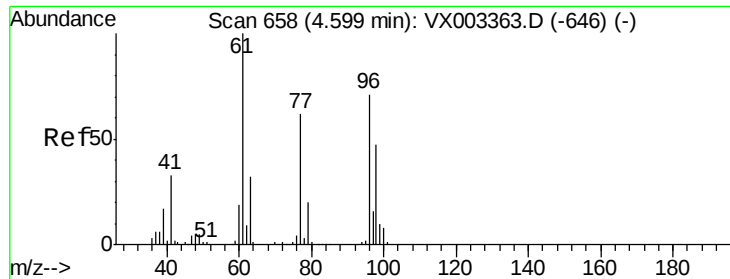
Tgt Ion: 77 Resp: 284797

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

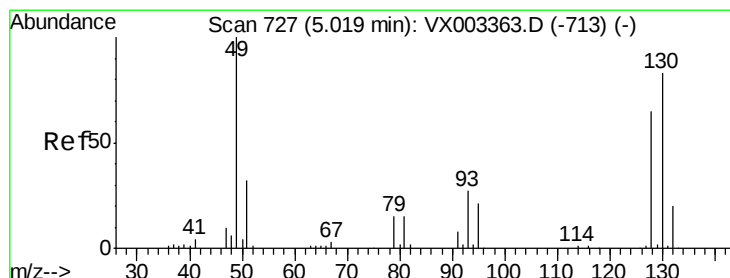
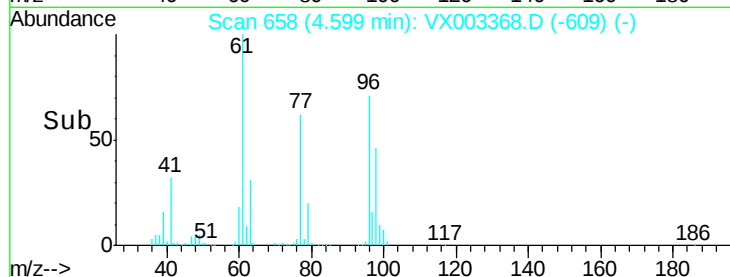
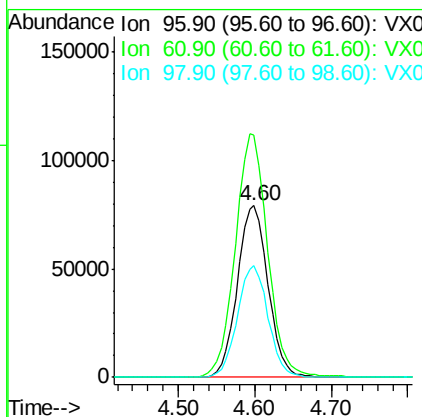
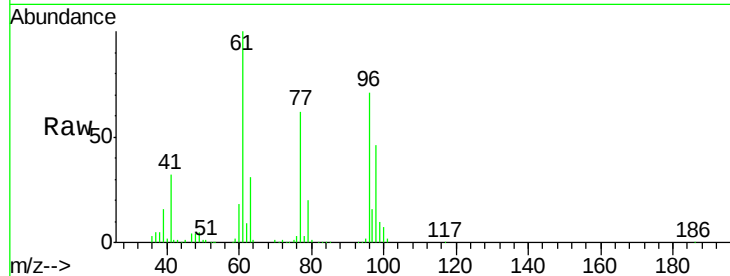
Tot Ion:	96	Resp:	220556
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	330.2
98	65.1	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 45.88 ug/l

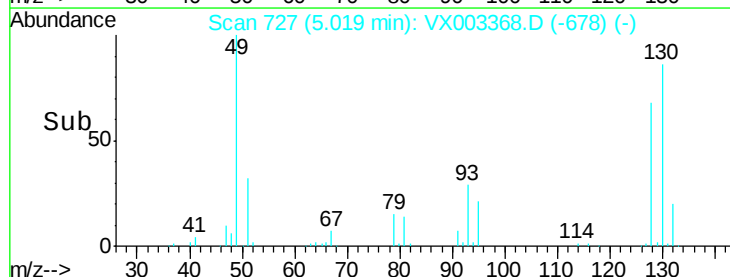
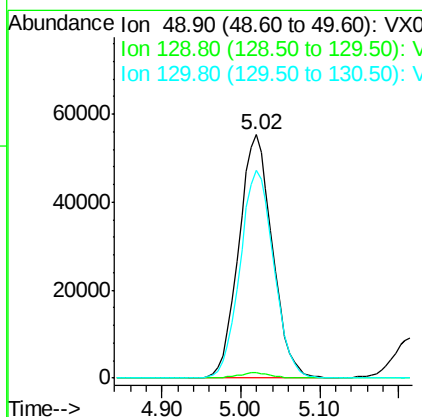
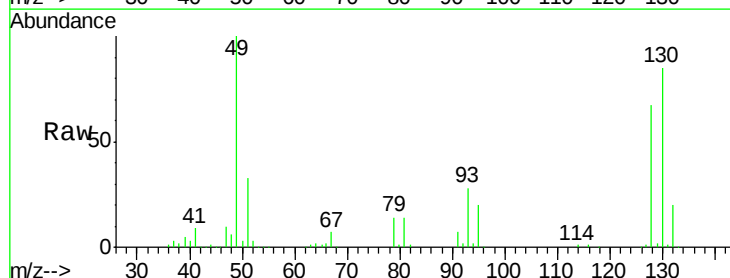
RT: 5.02 min Scan# 727

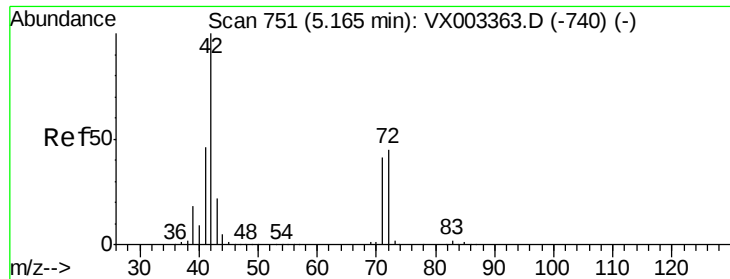
Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	49	Resp:	163632
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.9	61.2	91.8





#29
Tetrahydrofuran
Concen: 228.36 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

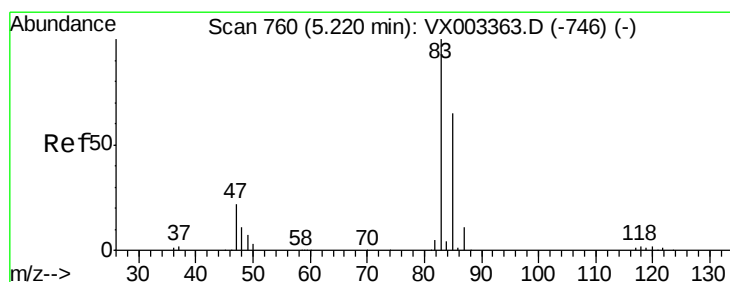
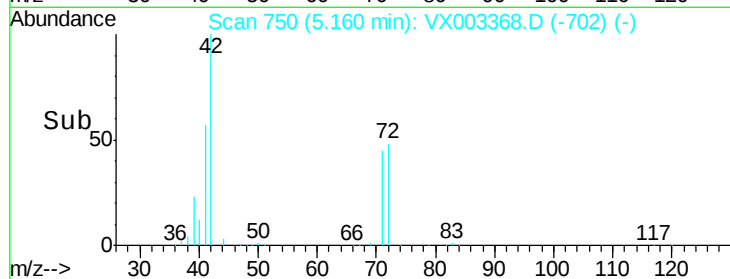
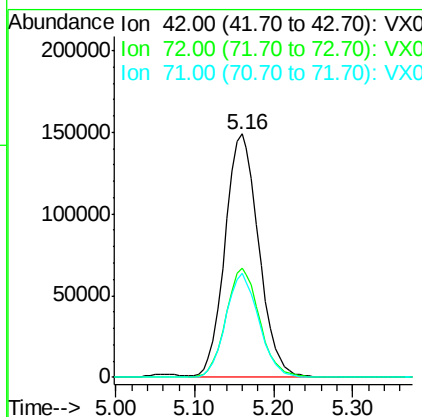
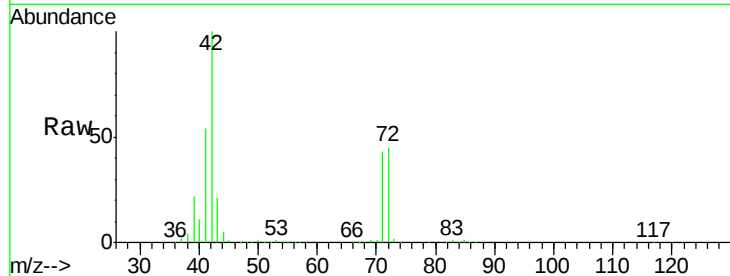
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Resp	Lower	Upper
42	100	442109		
72	44.9		32.0	48.0
71	42.1		30.1	45.1

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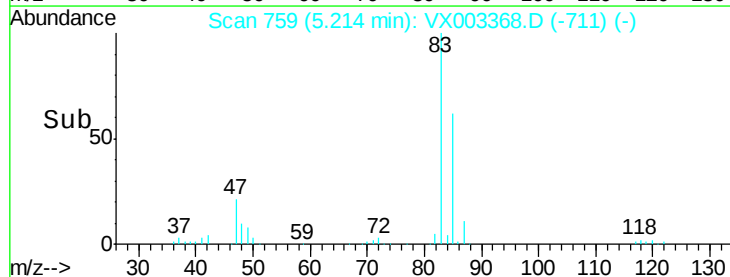
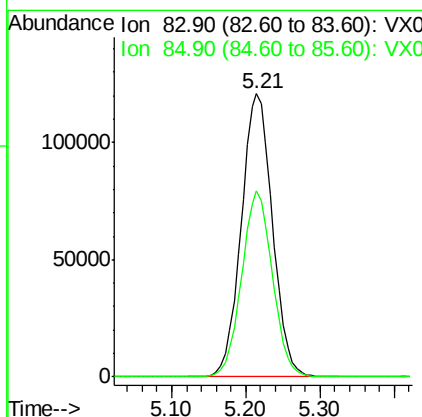
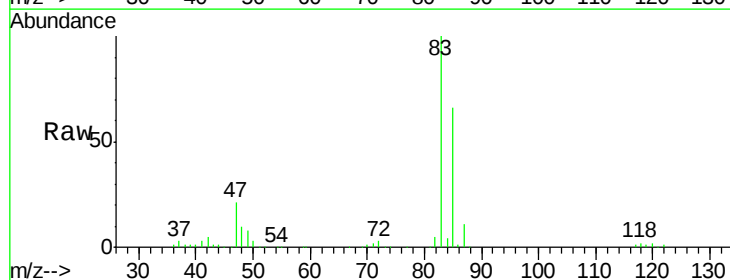
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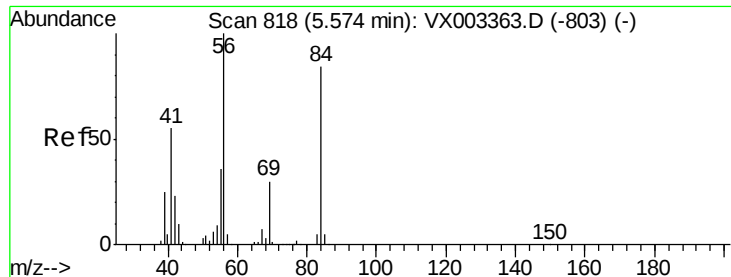
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#30
Chloroform
Concen: 47.21 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	354230		
85	65.6		50.4	75.6





#31
Cyclohexane
Concen: 54.79 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

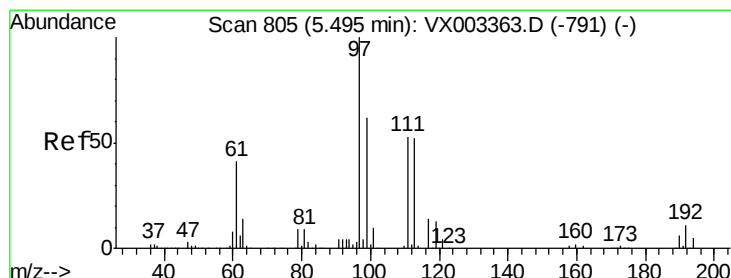
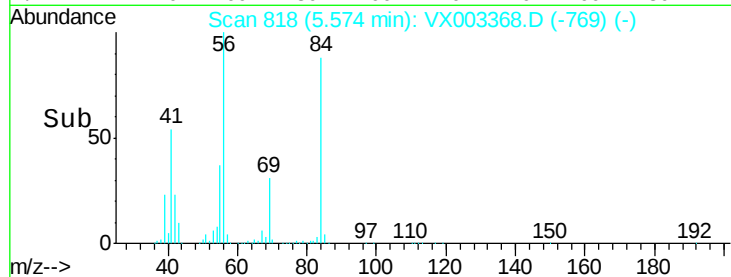
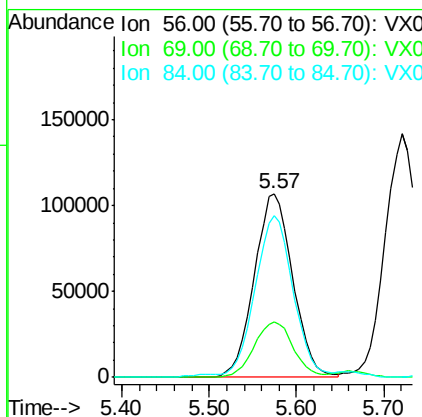
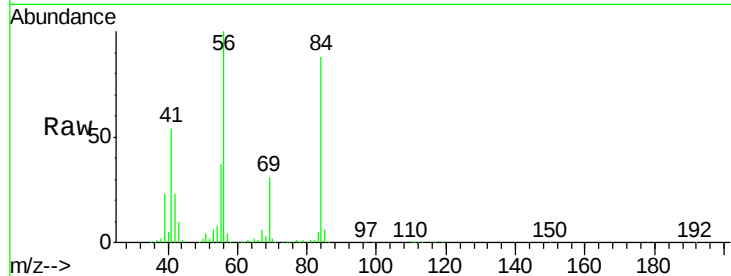
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	87.2	64.1	96.1

Manual Integrations
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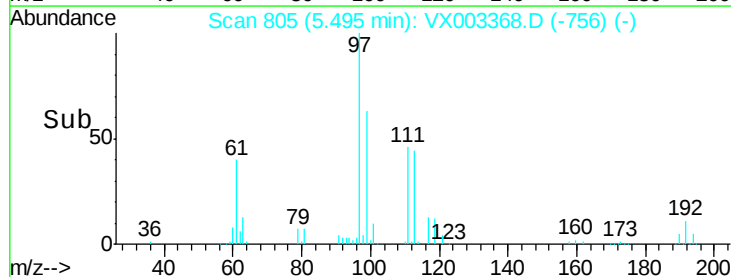
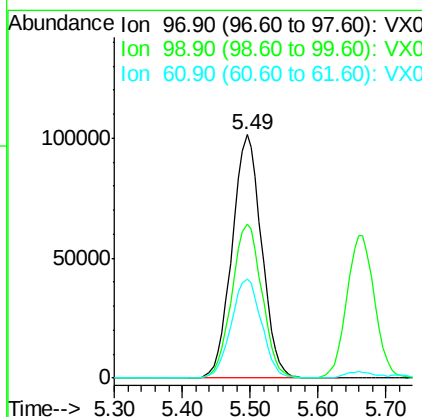
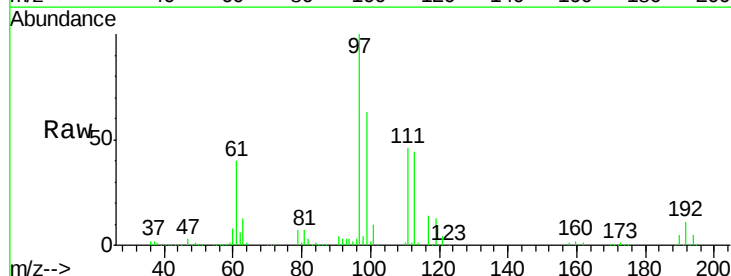
MMDadoda
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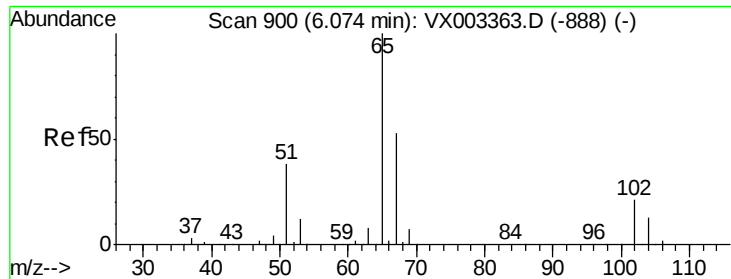
7/16/2018 11:24:45 AM



#32
1,1,1-Trichloroethane
Concen: 48.94 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.9	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 39.73 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tot Ion: 65 Resp: 153701

Ion Ratio Lower Upper

65 100

67 54.5 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

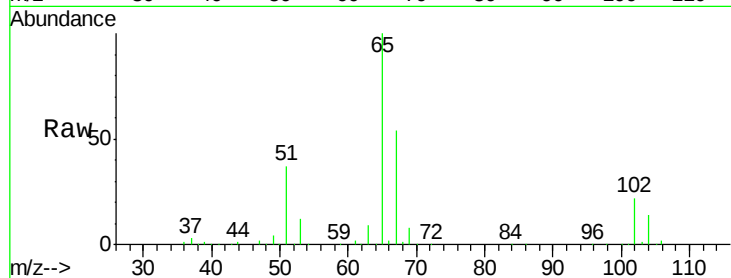
Manual Integrations

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MMDadoda

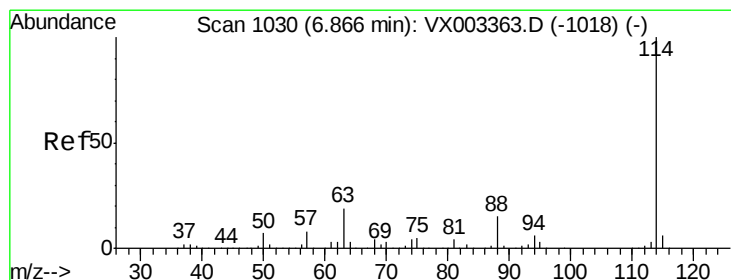
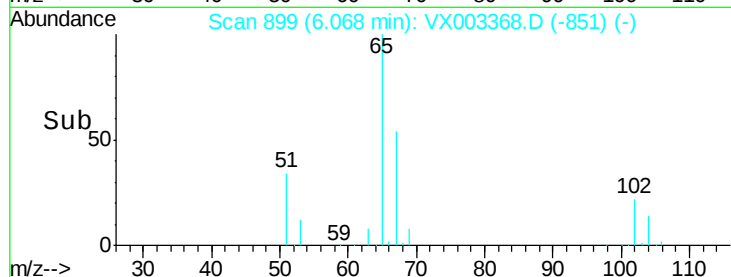
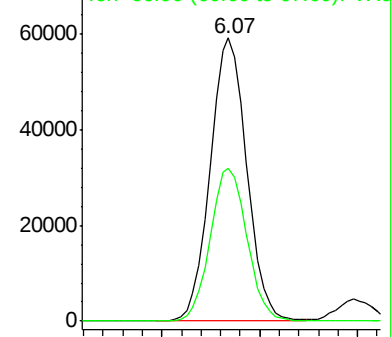
7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

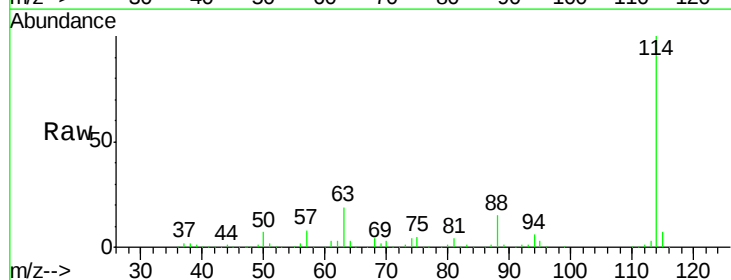
Tgt Ion: 114 Resp: 485875

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.4

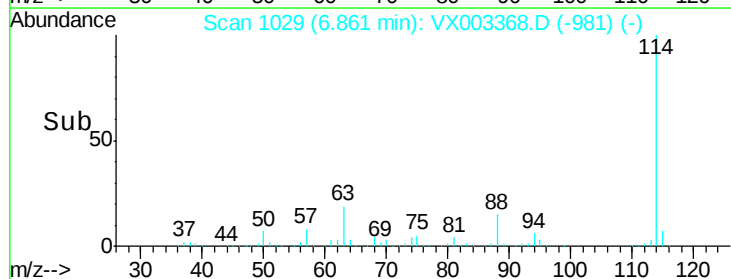
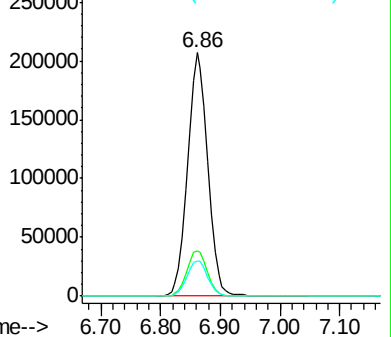
88 14.6 0.0 30.0

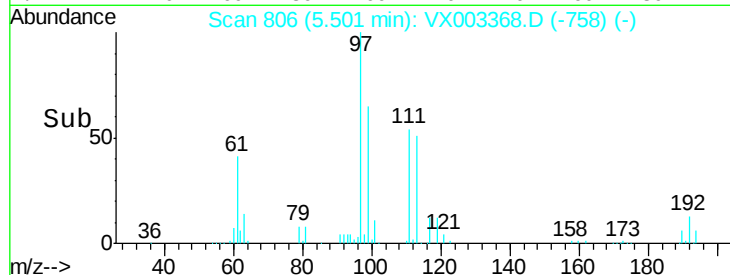
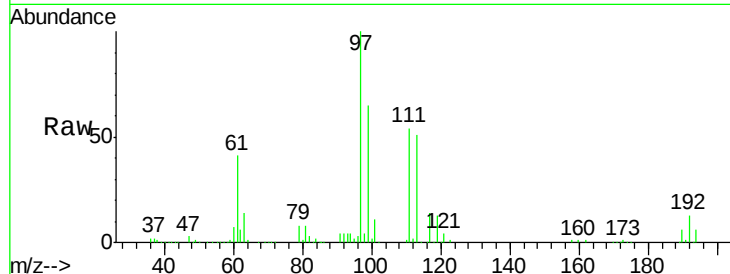
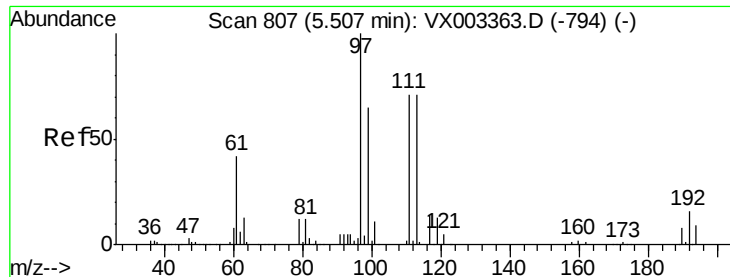


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35
Dibromofluoromethane
Concen: 39.29 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

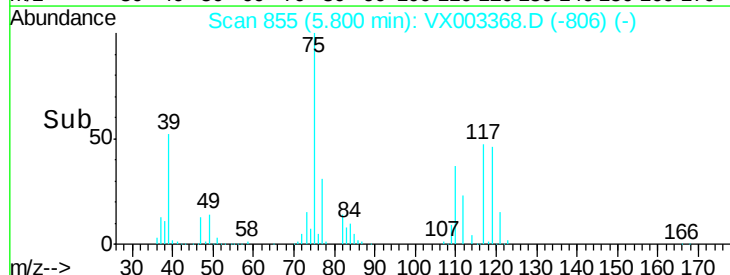
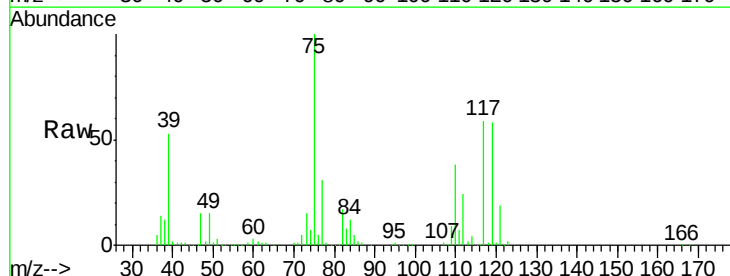
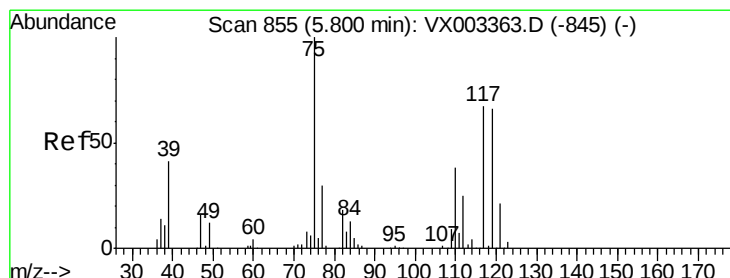
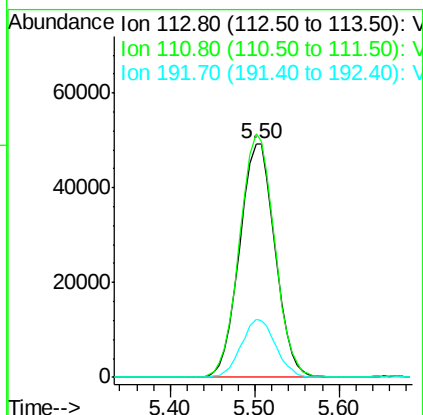
Tot Ion	Ratio	Resp	Lower	Upper
113	100	140488		
111	103.2	81.4	122.0	
192	24.2	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

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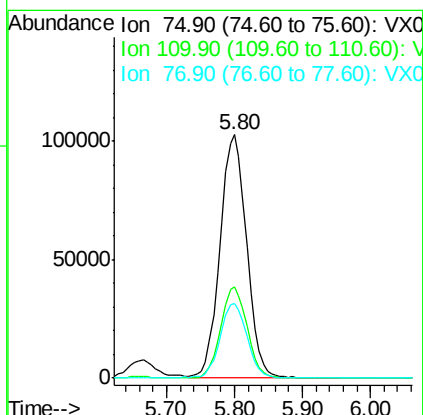
MMDadoda
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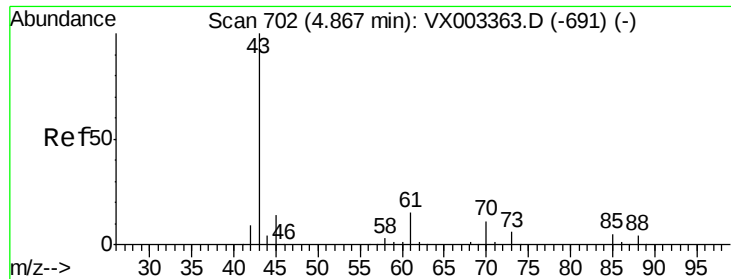
7/16/2018 11:24:45 AM



#36
1,1-Dichloropropene
Concen: 53.80 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277696		
110	37.3	18.1	54.4	
77	31.5	24.3	36.5	





#37
Ethyl Acetate
Concen: 46.35 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

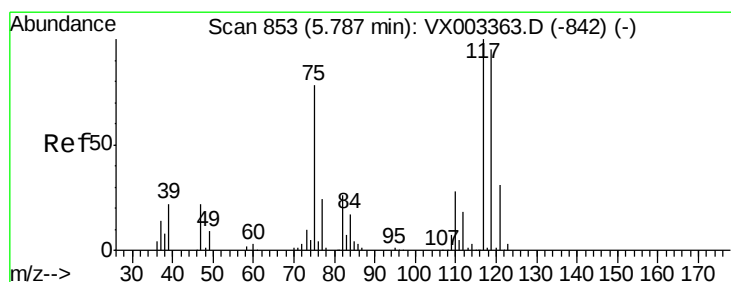
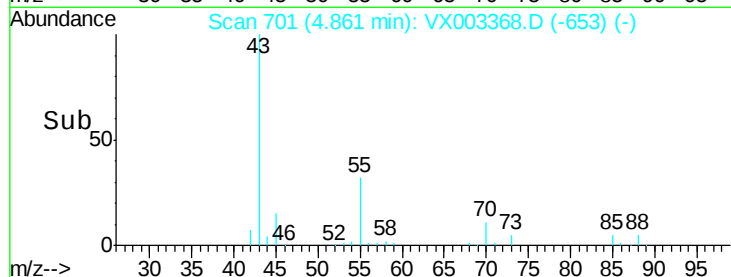
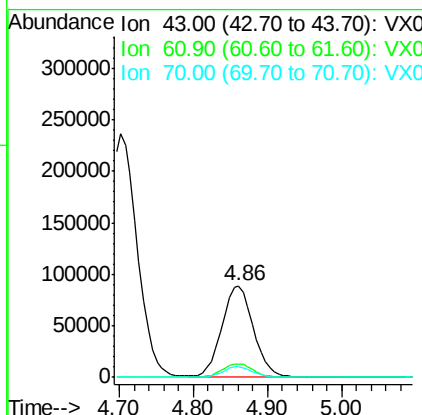
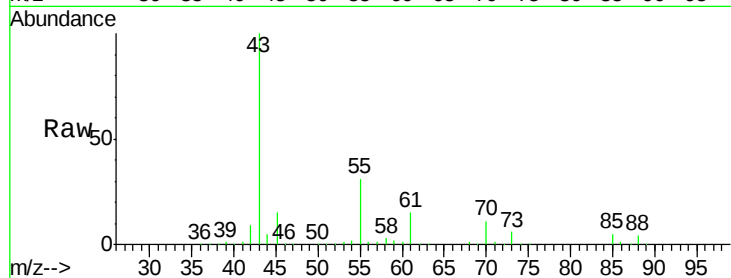
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion:	43	Resp:	262203
Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	11.1	7.6	11.4

Manual Integrations
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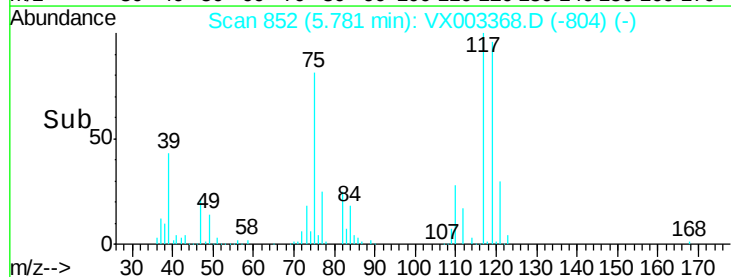
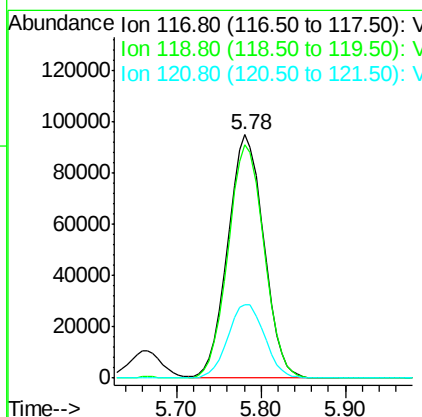
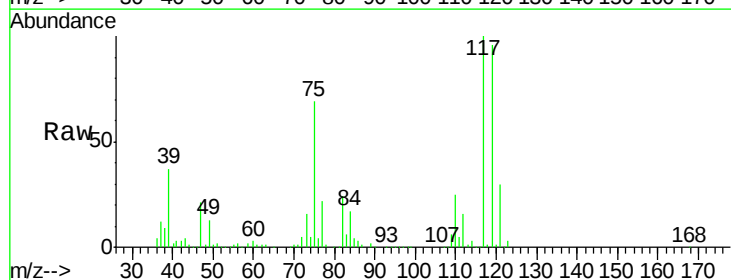
MMDadoda
7/16/2018 11:24:45 AM

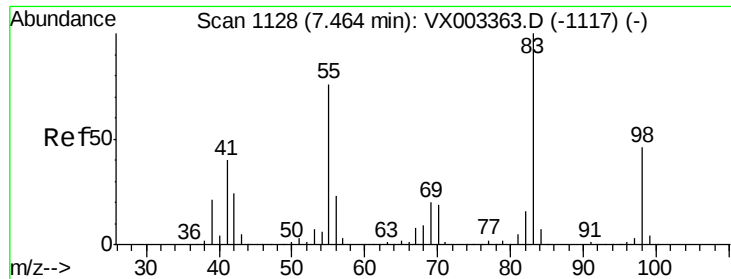
7/16/2018 11:24:45 AM



#38
Carbon Tetrachloride
Concen: 52.19 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion:	117	Resp:	274600
Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	30.3	24.4	36.6





#39
Methvlcvclohexane
Concen: 58.11 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

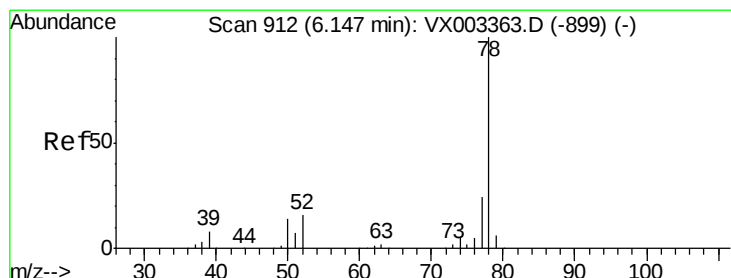
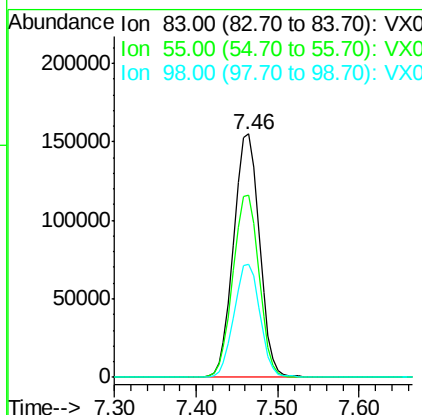
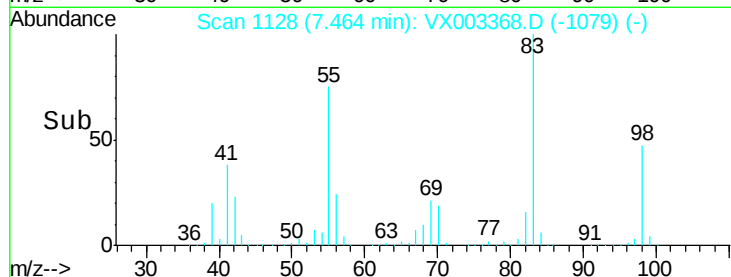
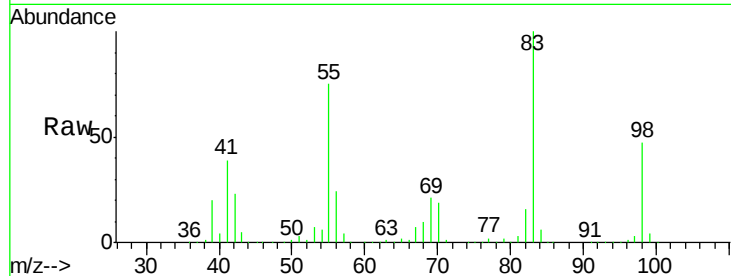
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion:	83	Resp:	339576
Ion Ratio	Lower	Upper	
83	100		
55	75.0	65.4	98.0
98	46.7	37.4	56.0

Manual Integrations
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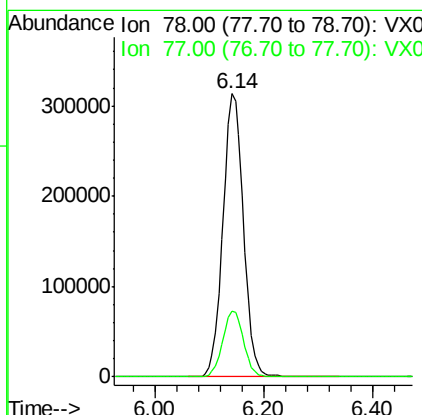
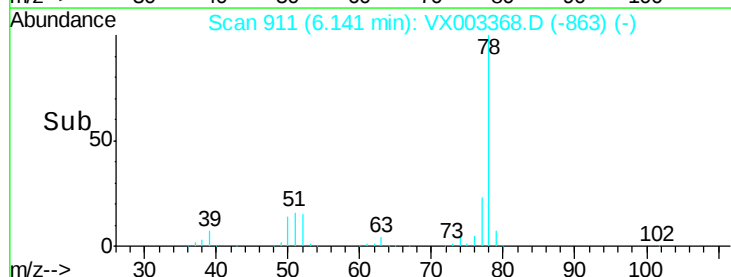
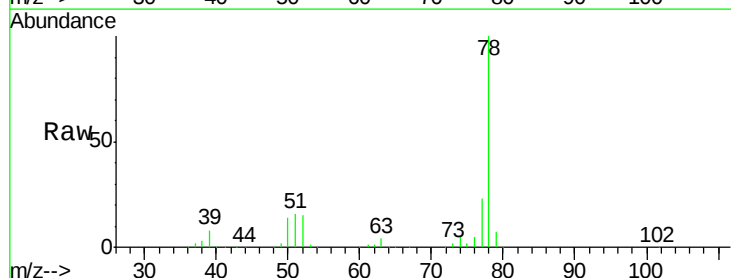
MMDadoda
7/16/2018 11:24:45 AM

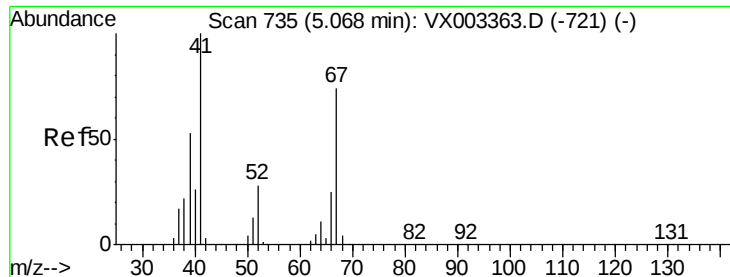
7/16/2018 11:24:45 AM



#40
Benzene
Concen: 50.94 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion:	78	Resp:	823504
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7





#41
Methacrylonitrile
Concen: 46.54 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

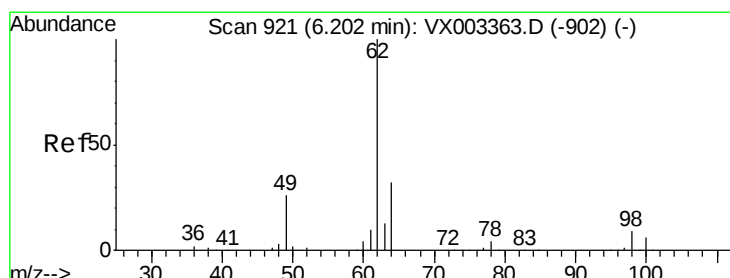
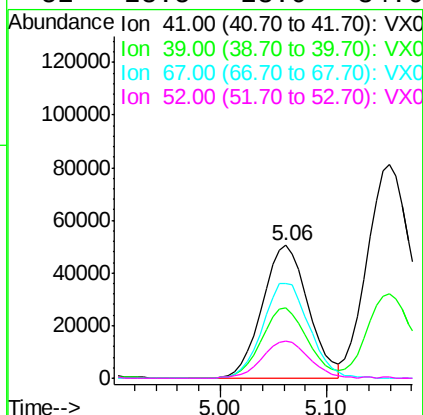
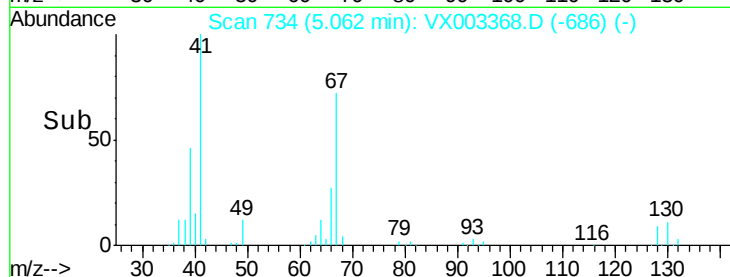
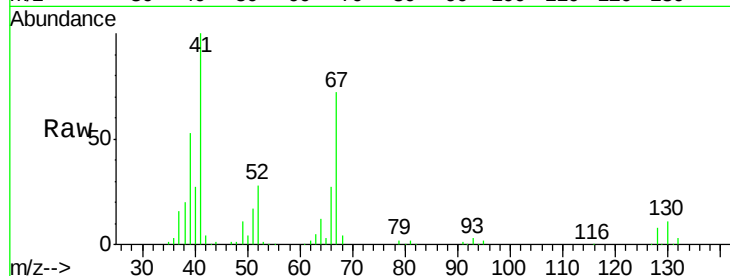
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	45.8	68.6	
67	73.2	51.3	76.9	
52	28.5	23.0	34.6	

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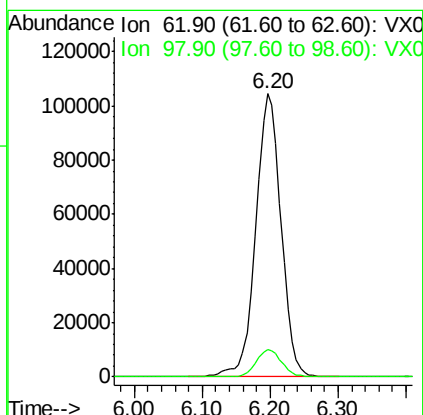
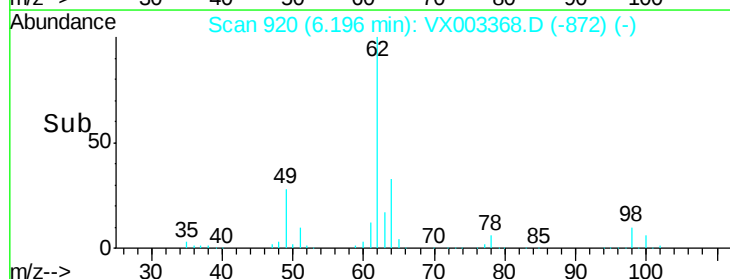
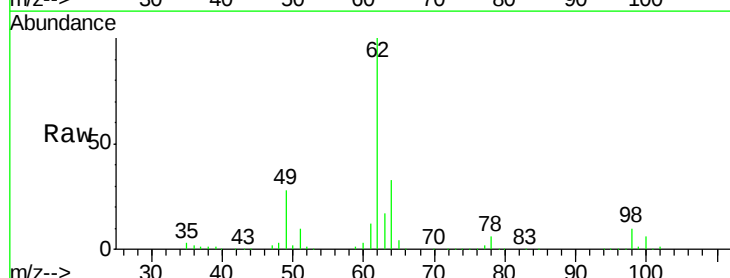
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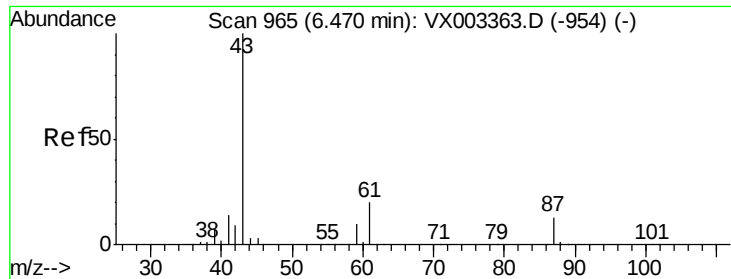
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#42
1,2-Dichloroethane
Concen: 48.12 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	16.6	





#43

Isopropyl Acetate
 Concen: 48.51 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

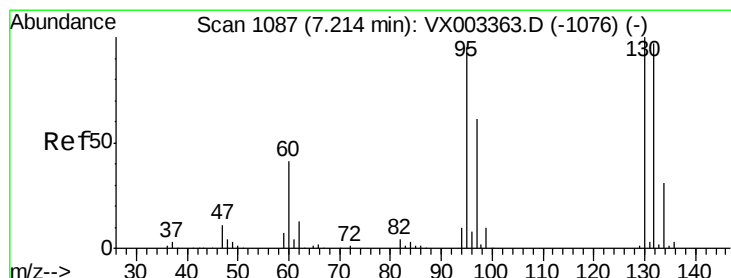
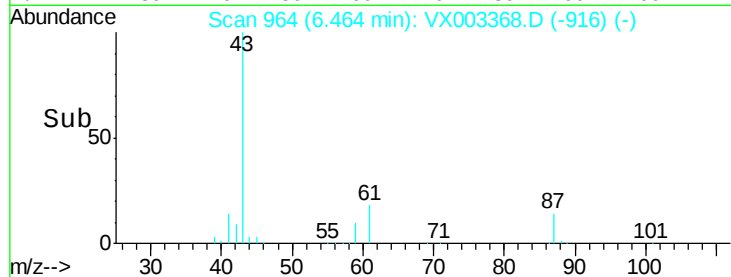
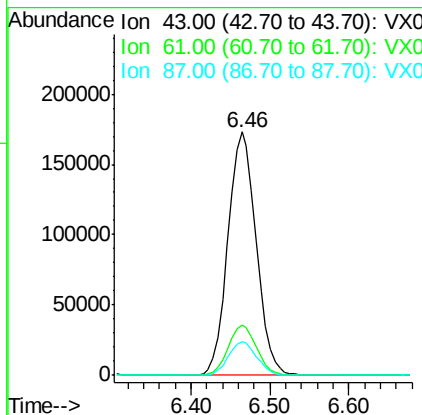
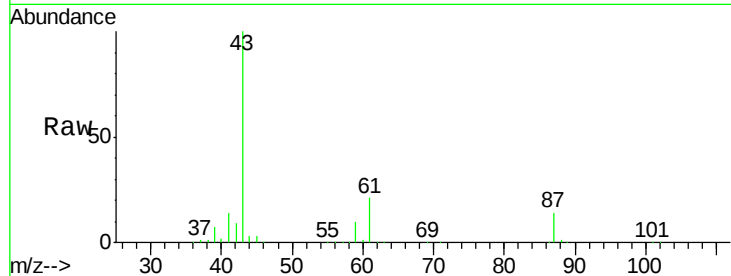
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion:	43	Resp:	430009
Ion	Ratio	Lower	Upper
43	100		
61	20.8	14.4	21.6
87	13.8	9.5	14.3

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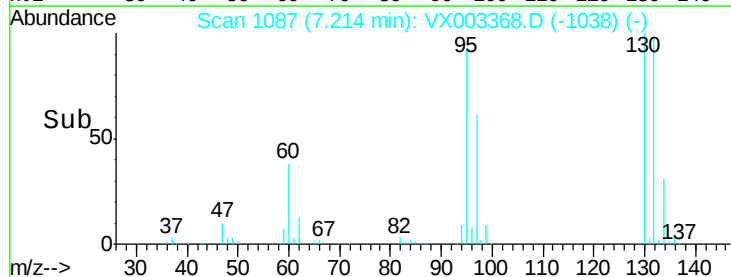
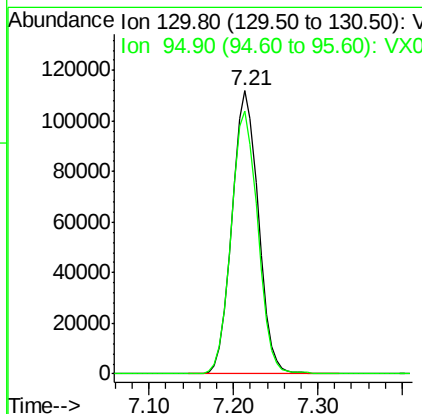
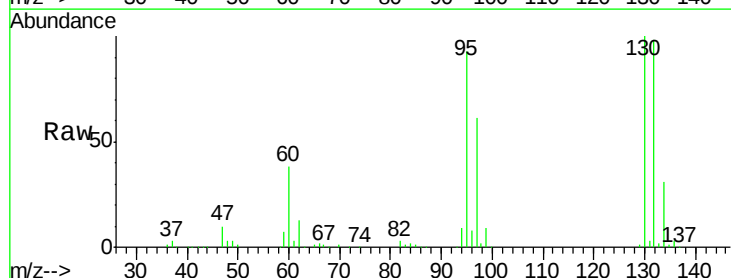
7/16/2018 11:24:45 AM

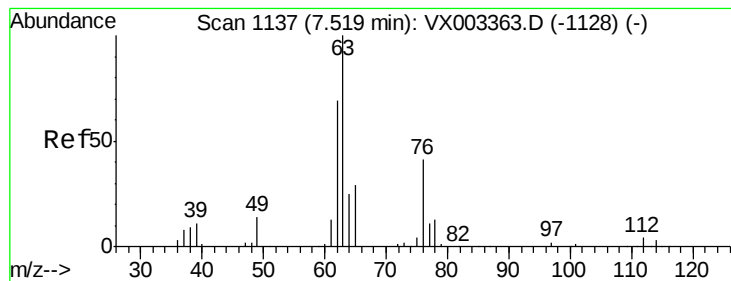


#44

Trichloroethene
 Concen: 51.68 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion:	130	Resp:	236738
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.93 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 63 Resp: 214104

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1

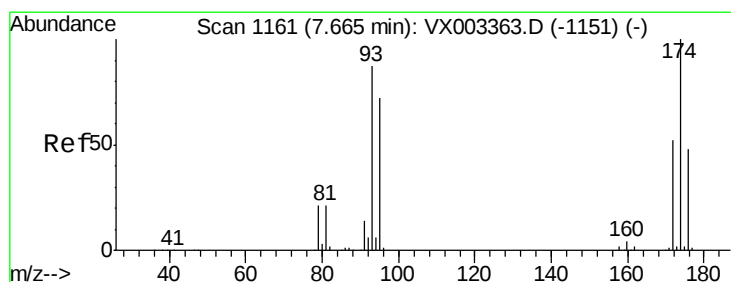
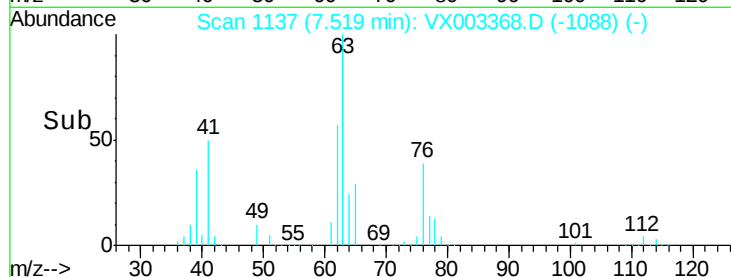
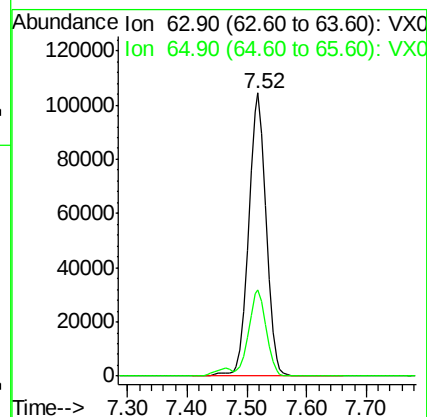
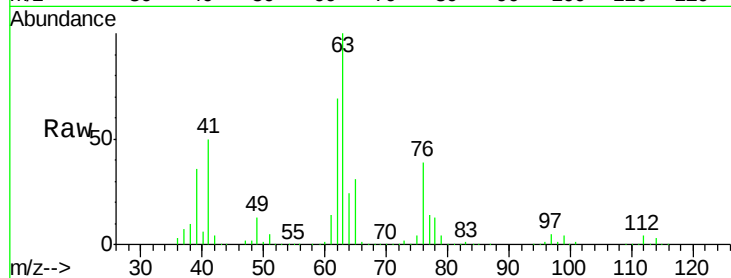
Manual Integrations

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#46

Dibromomethane

Concen: 49.88 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

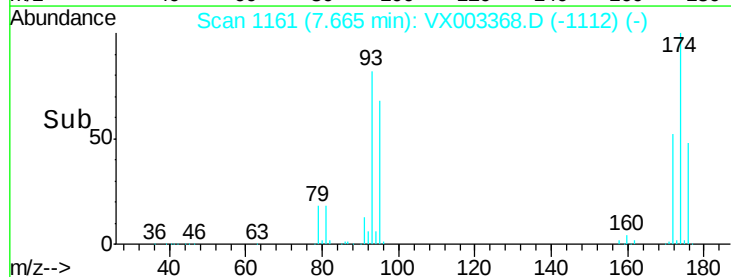
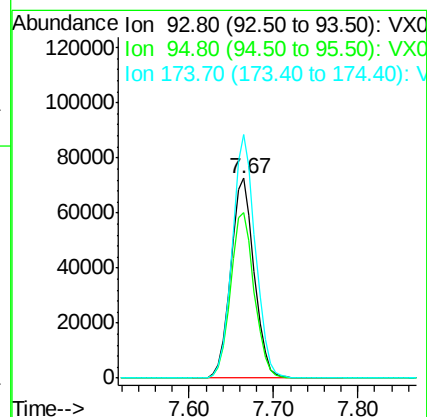
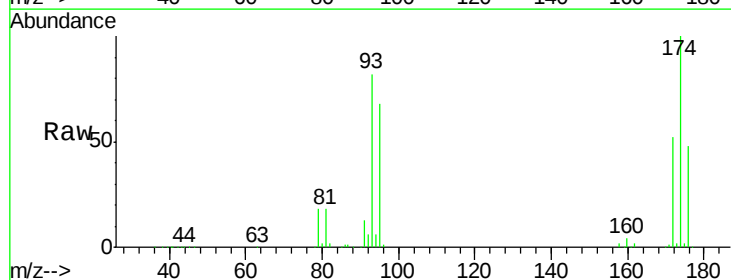
Tgt Ion: 93 Resp: 137536

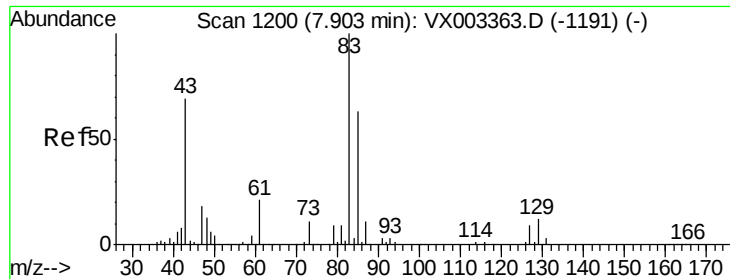
Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

174 120.0 92.4 138.6





#47

Bromodichloromethane

Concen: 50.13 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

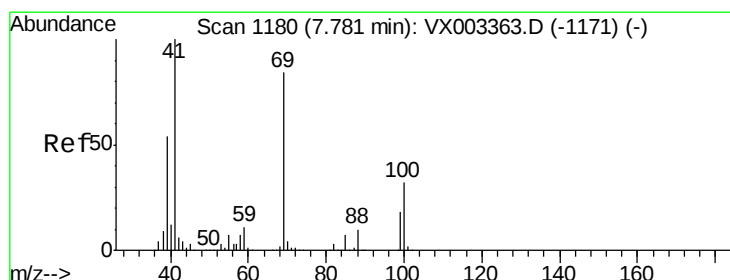
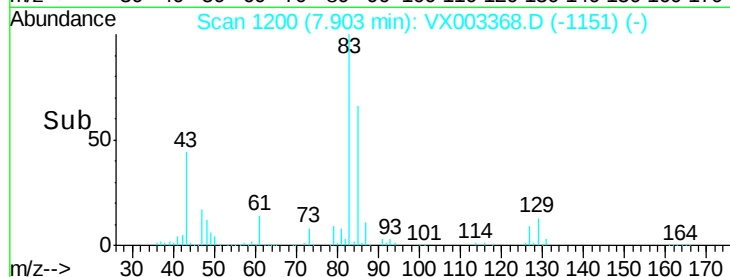
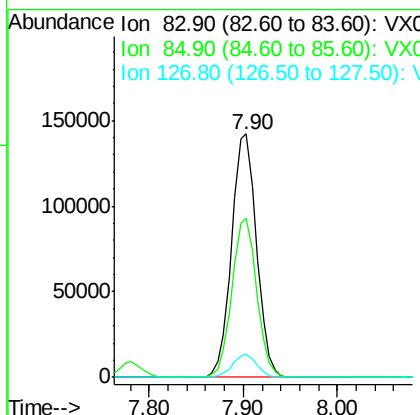
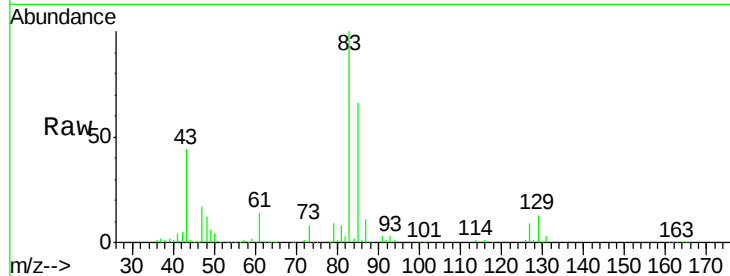
Tot Ion:	83	Resp:	260622
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.40 ug/l

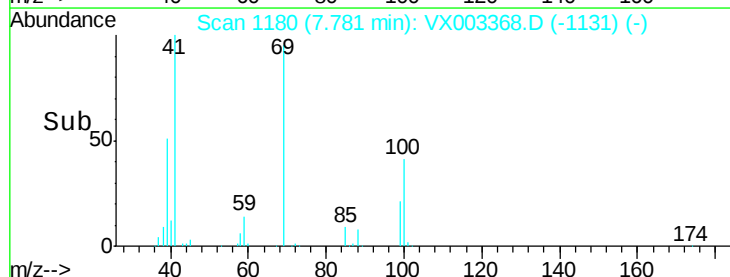
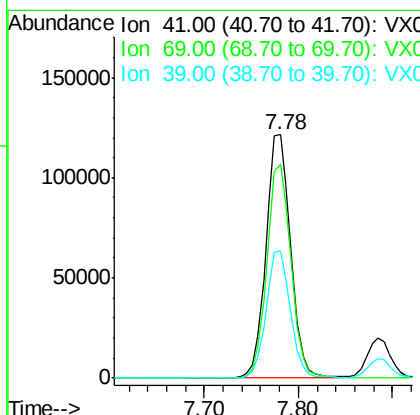
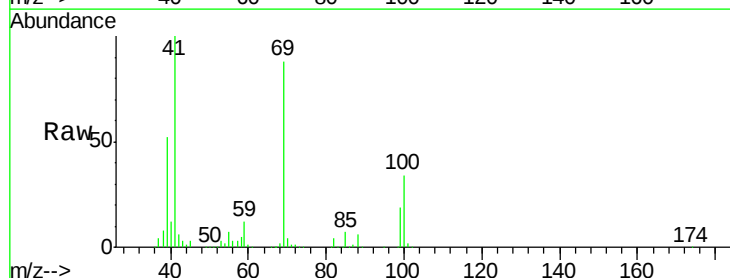
RT: 7.78 min Scan# 1180

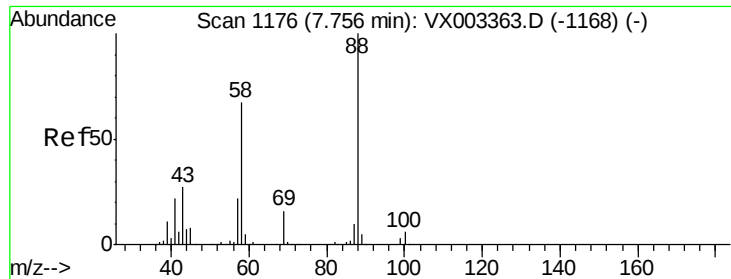
Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	41	Resp:	223483
Ion Ratio	Lower	Upper	
41	100		
69	86.6	59.1	88.7
39	51.3	48.9	73.3





#49

1,4-Dioxane

Concen: 977.74 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

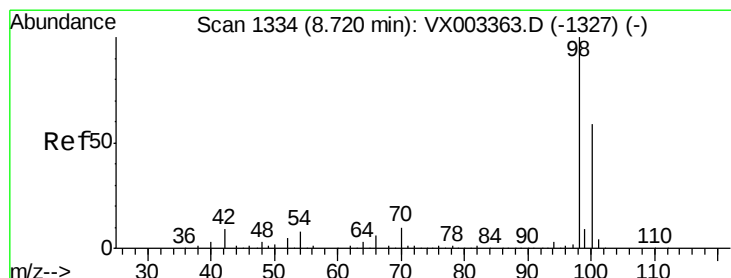
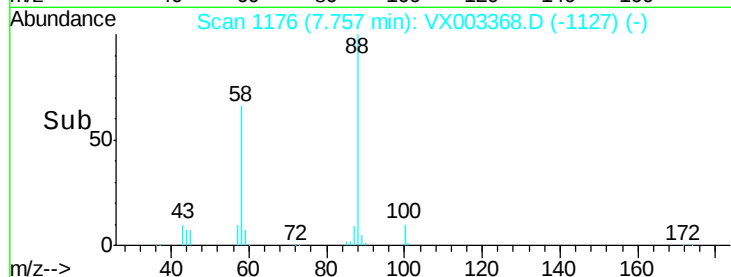
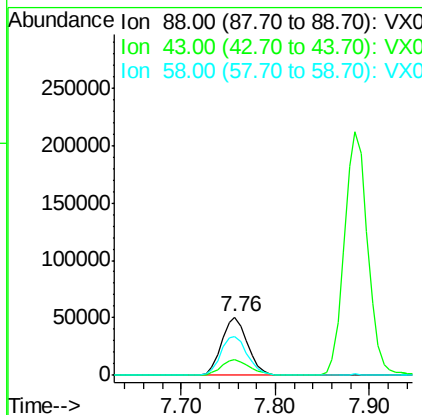
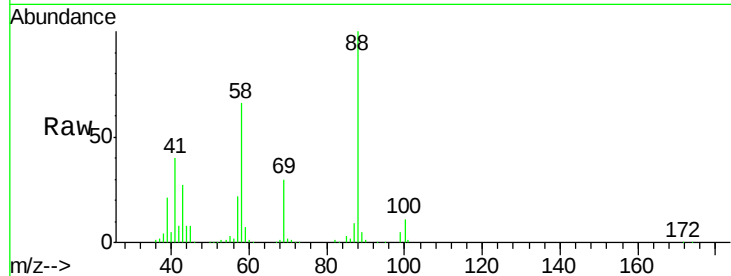
Tot Ion:	88	Resp:	96531
Ion	Ratio	Lower	Upper
88	100		
43	30.1	29.8	44.6
58	69.8	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 41.40 ug/l

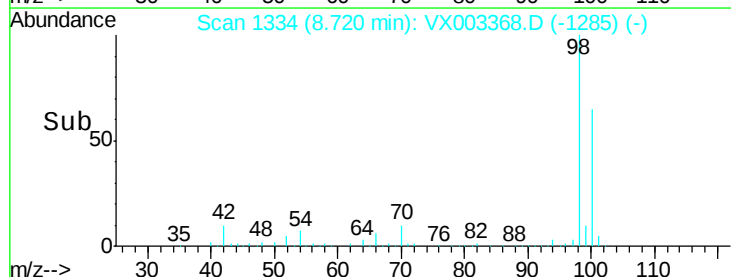
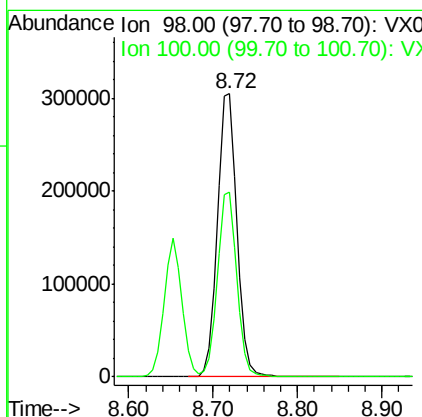
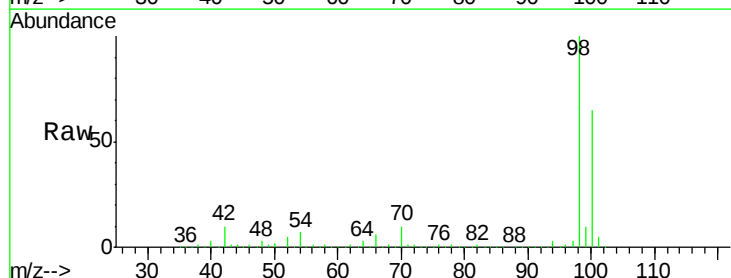
RT: 8.72 min Scan# 1334

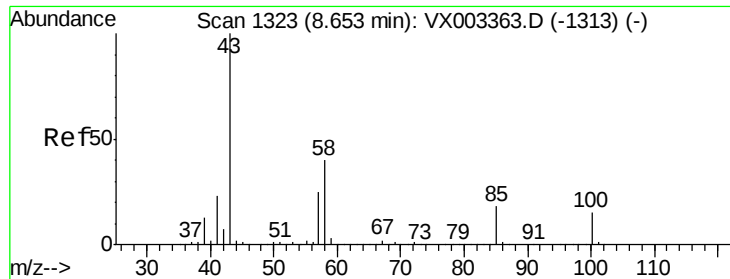
Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	98	Resp:	489502
Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.9	76.3





#51
4-Methyl-2-Pentanone
Concen: 237.14 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

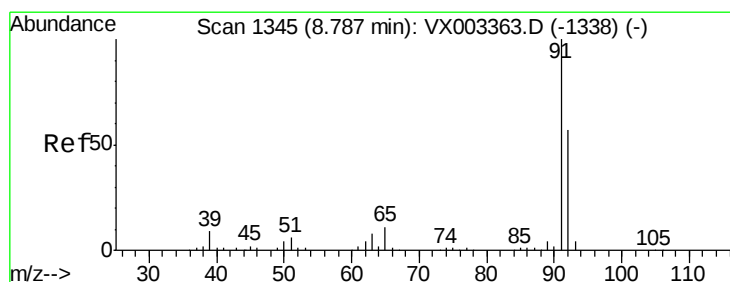
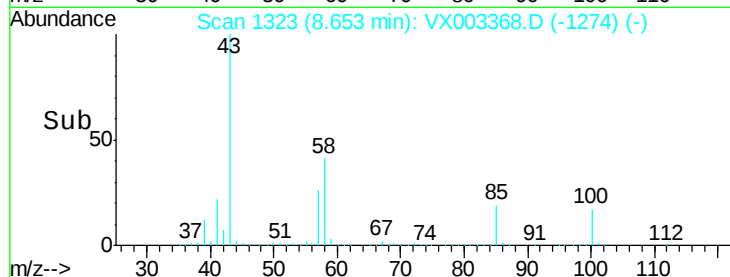
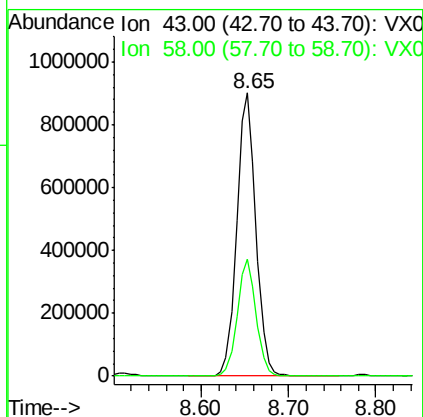
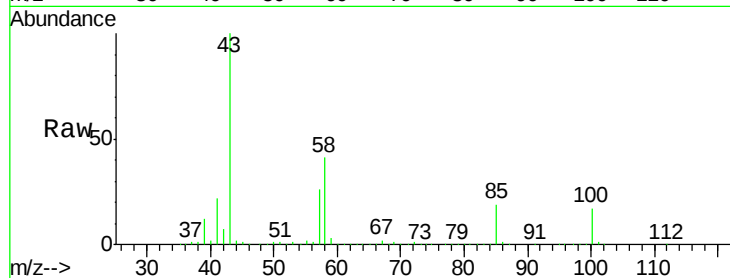
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion: 43 Resp: 1374056
Ion Ratio Lower Upper
43 100
58 40.4 28.6 42.8

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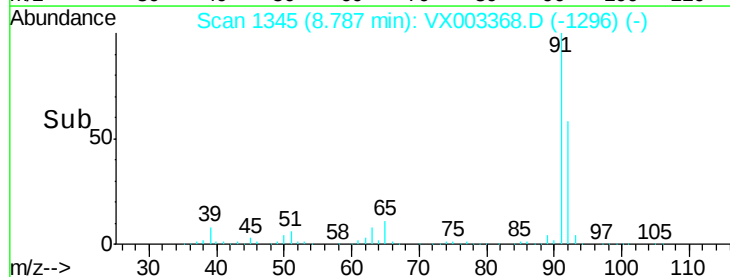
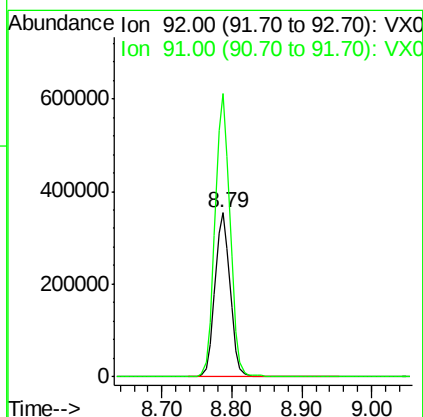
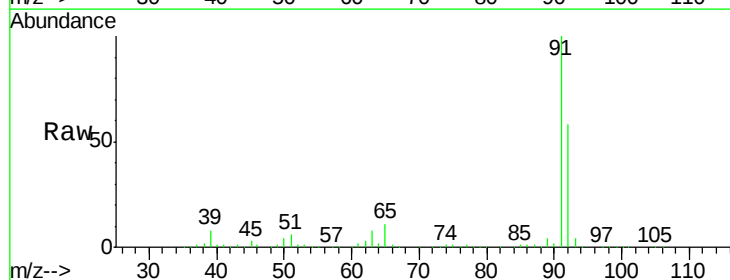
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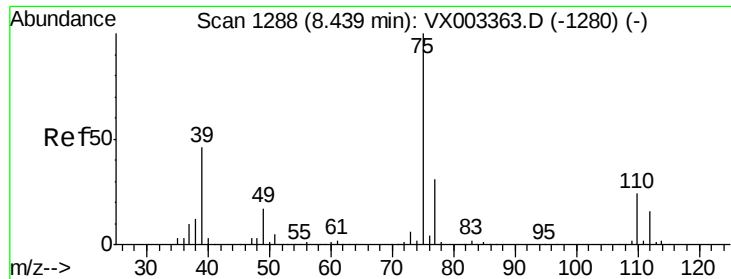
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#52
Toluene
Concen: 51.98 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion: 92 Resp: 532511
Ion Ratio Lower Upper
92 100
91 172.3 140.4 210.6





#53
t-1,3-Dichloropropene
Concen: 54.11 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

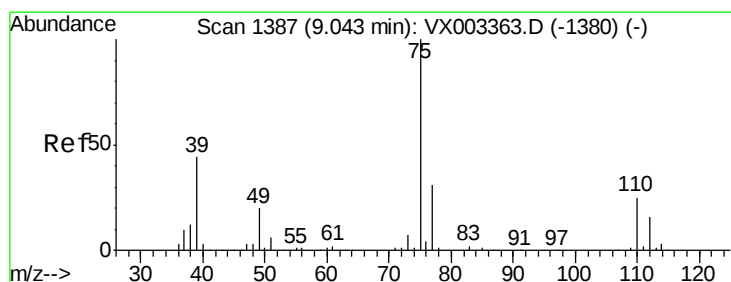
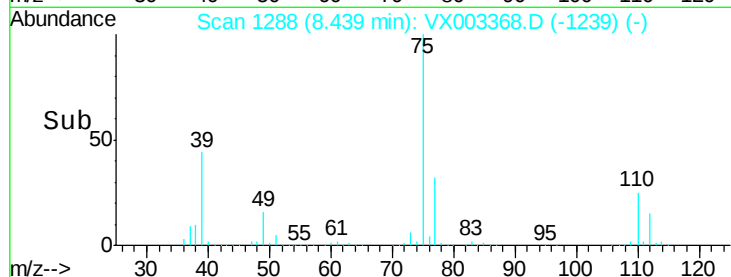
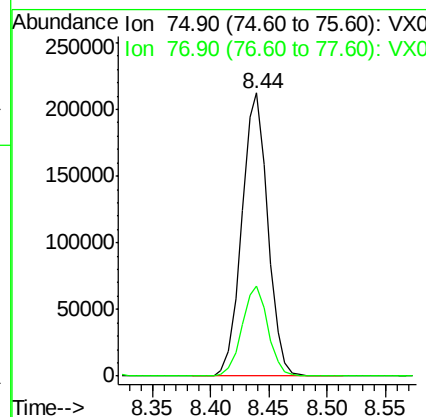
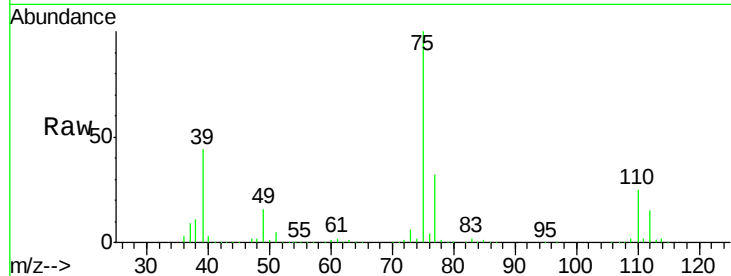
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

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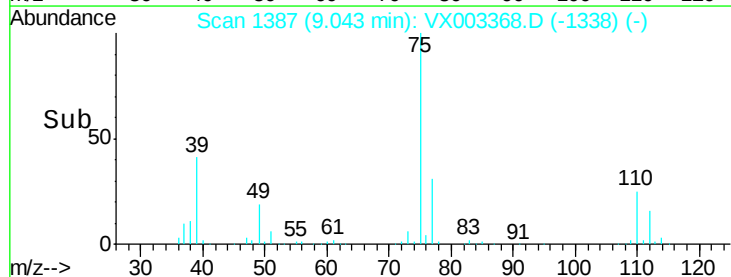
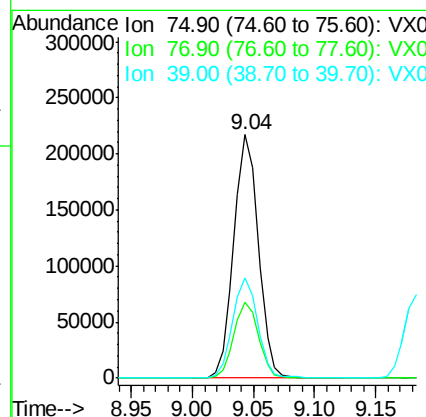
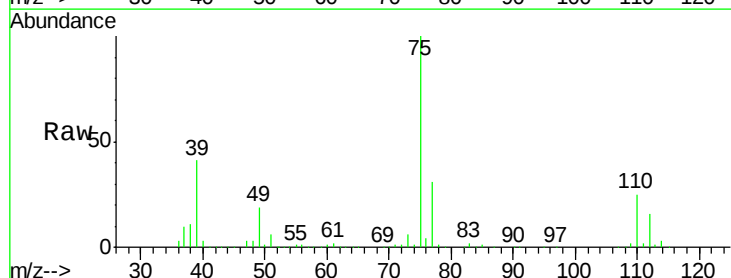
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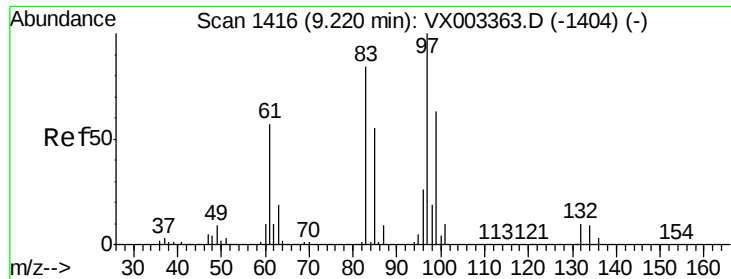
7/16/2018 11:24:45 AM



#54
cis-1,3-Dichloropropene
Concen: 53.95 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	41.3	42.4	63.6#





#55
 1,1,2-Trichloroethane
 Concen: 49.43 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

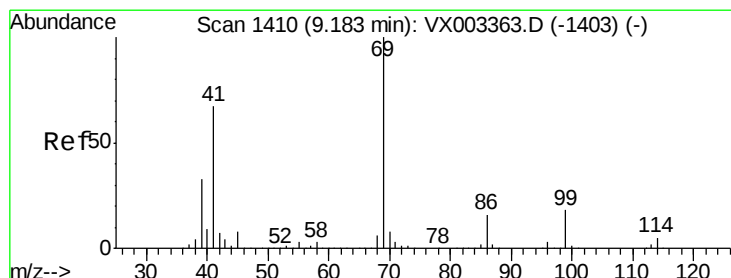
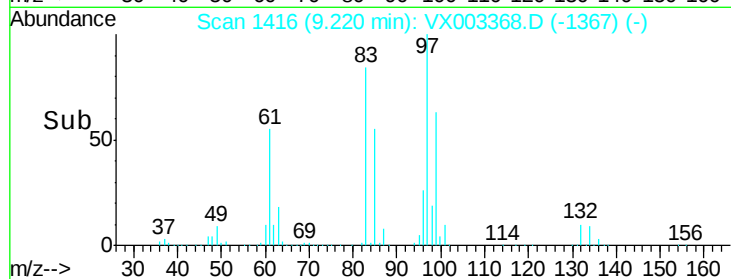
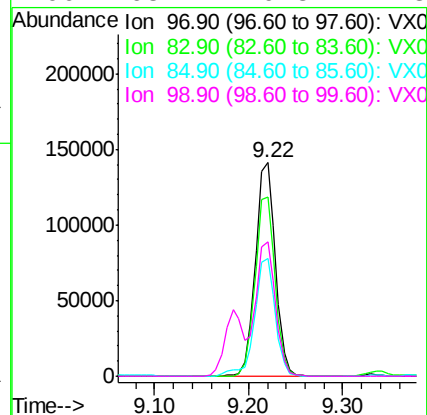
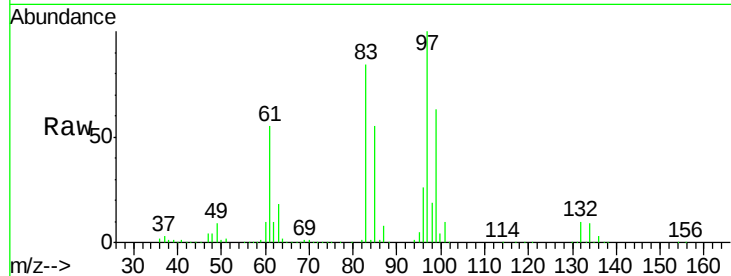
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion:	97	Resp:	211341
Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.2	105.2
85	55.1	44.9	67.3
99	63.2	49.8	74.8

Manual Integrations
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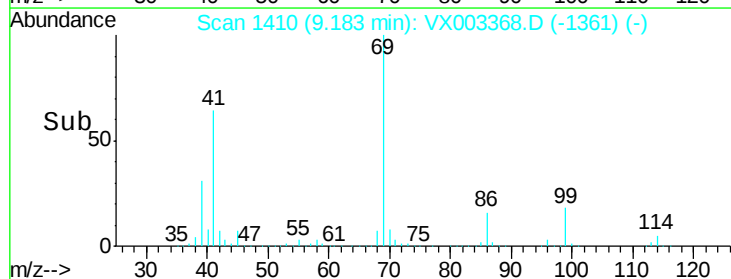
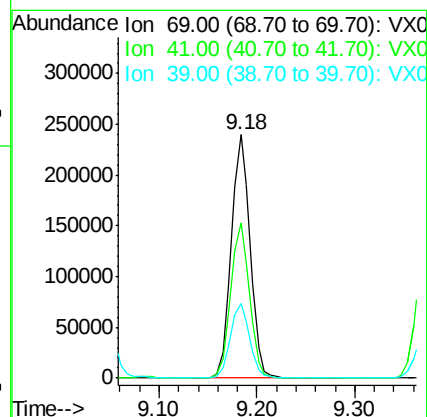
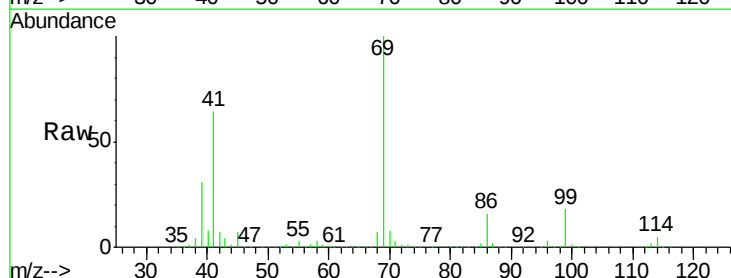
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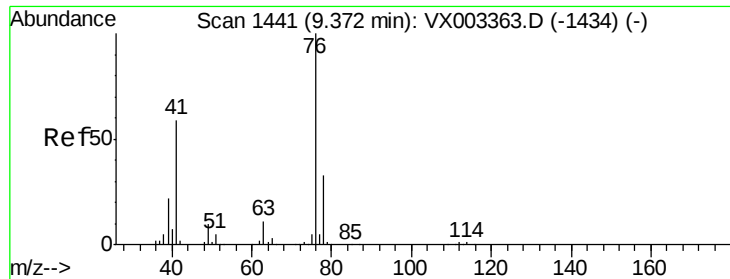
7/16/2018 11:24:45 AM



#56
 Ethyl methacrylate
 Concen: 52.37 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion:	69	Resp:	319880
Ion	Ratio	Lower	Upper
69	100		
41	63.6	60.3	90.5
39	31.3	35.8	53.8#





#57
 1,3-Dichloropropane
 Concen: 49.35 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

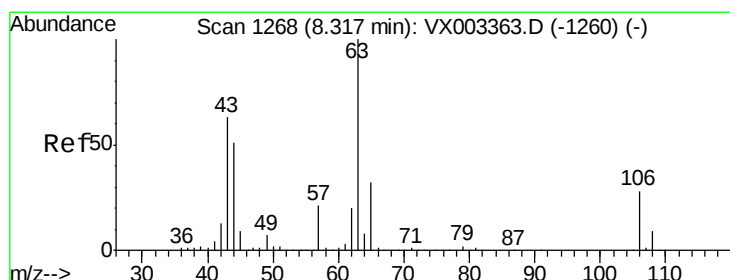
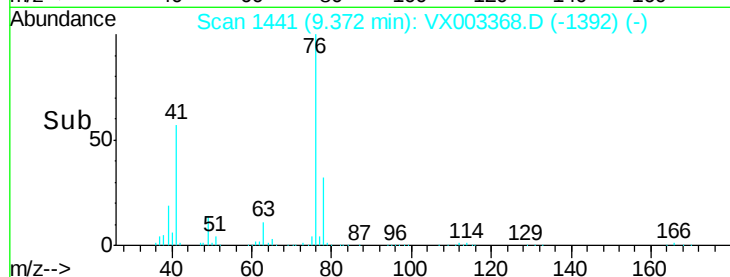
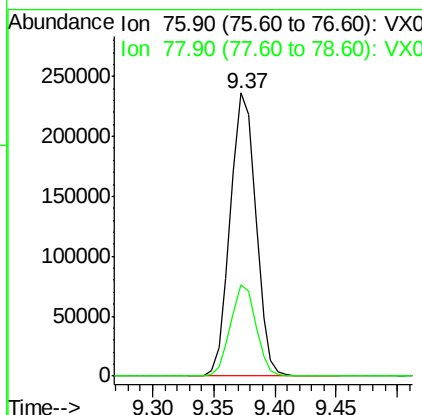
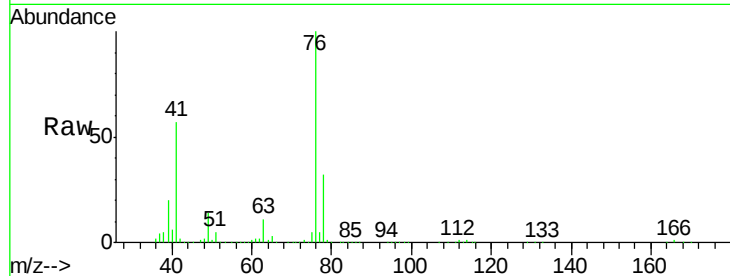
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion: 76 Resp: 342001
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

Manual Integrations
 APPROVED

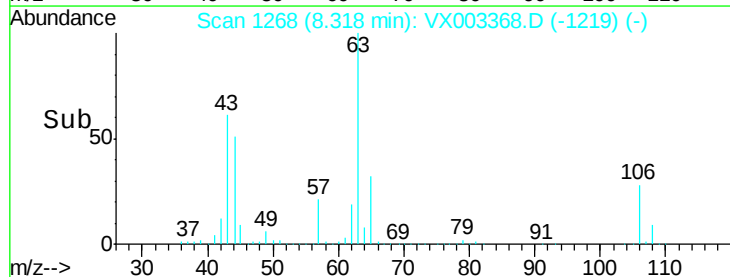
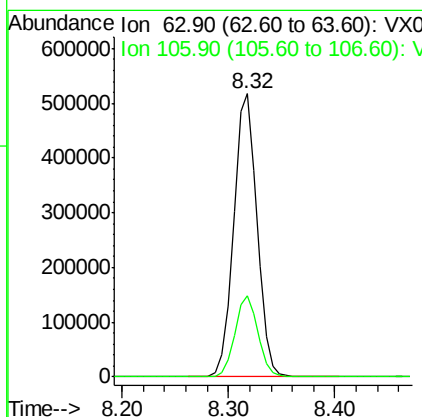
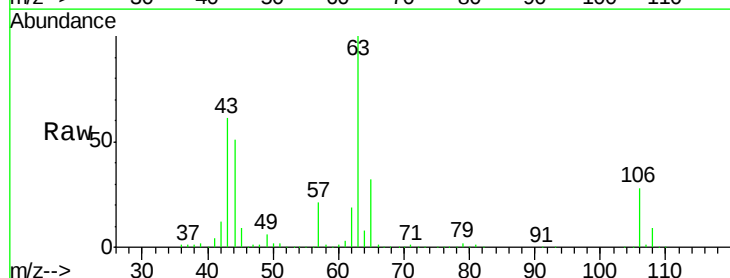
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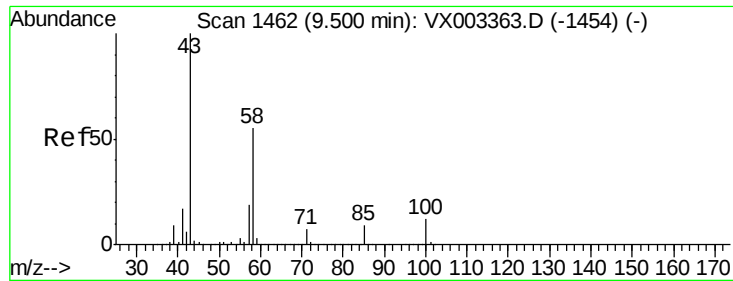
7/16/2018 11:24:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.42 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion: 63 Resp: 793692
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.8





#59
2-Hexanone
Concen: 242.93 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

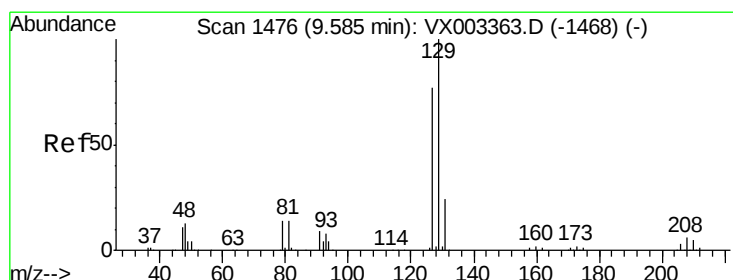
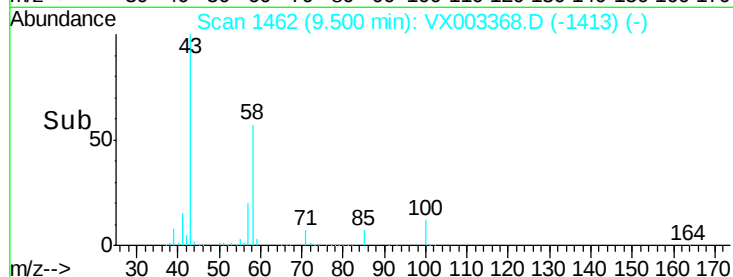
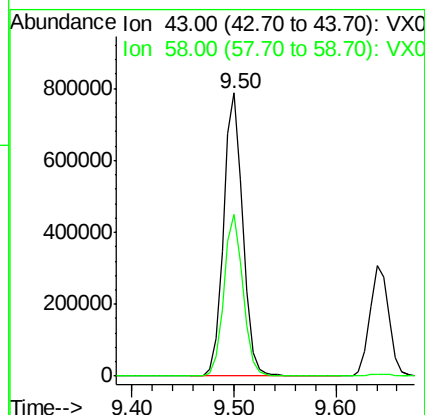
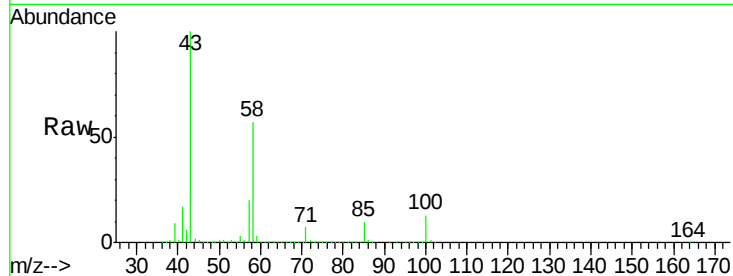
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion: 43 Resp: 1038215
Ion Ratio Lower Upper
43 100
58 56.6 24.6 73.6

Manual Integrations
APPROVED

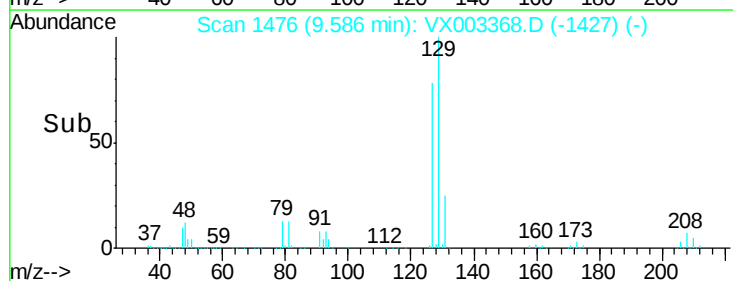
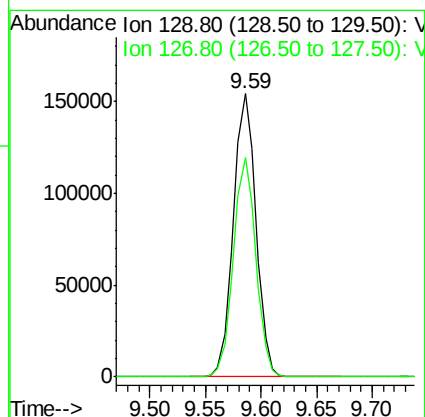
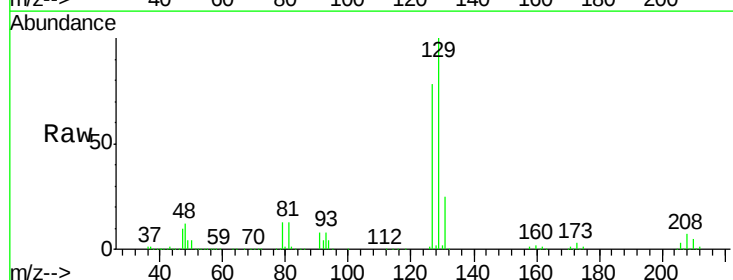
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7/16/2018 11:24:45 AM

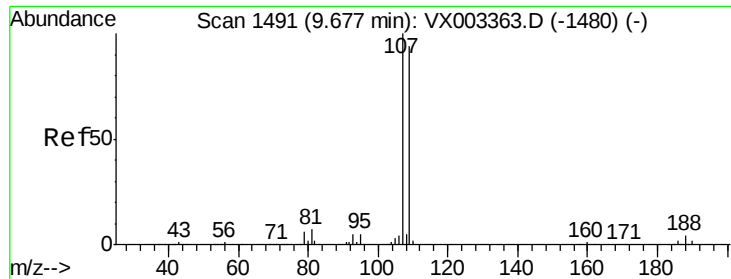
7/16/2018 11:24:45 AM



#60
Dibromochloromethane
Concen: 52.31 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion: 129 Resp: 217119
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





#61
 1,2-Dibromoethane
 Concen: 50.44 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

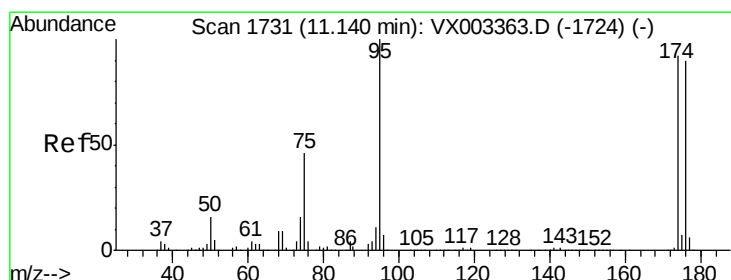
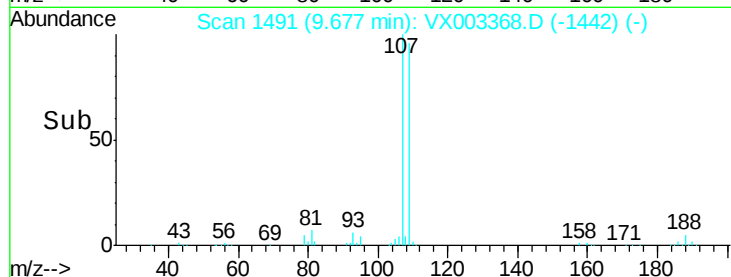
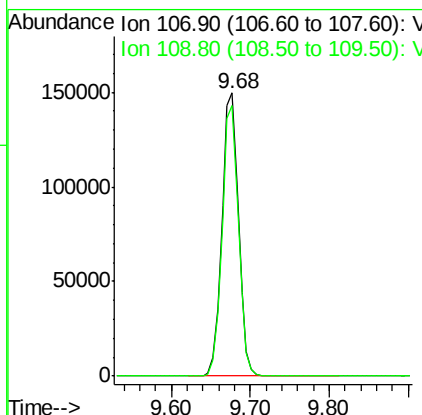
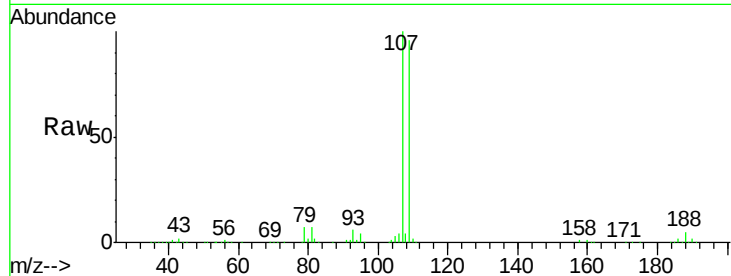
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

Manual Integrations
 APPROVED

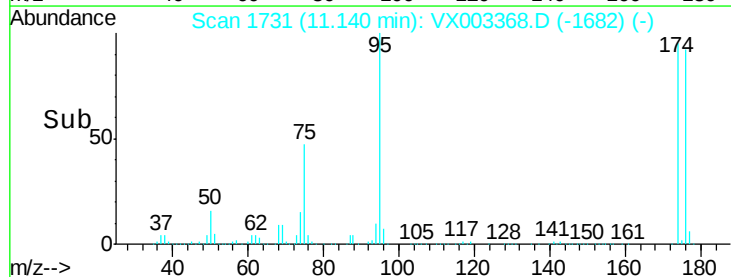
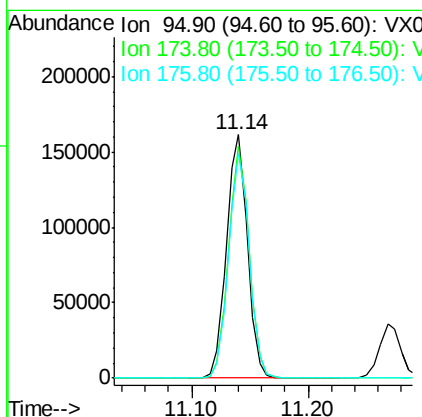
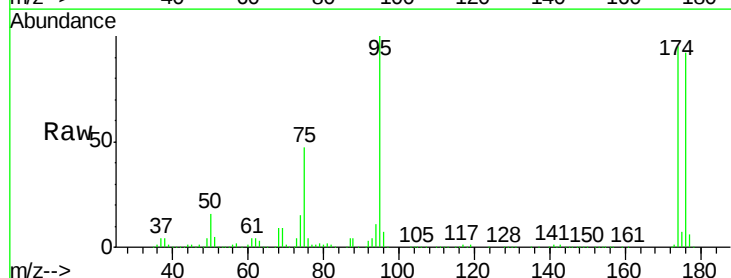
MMDadoda
 7/16/2018 11:24:45 AM

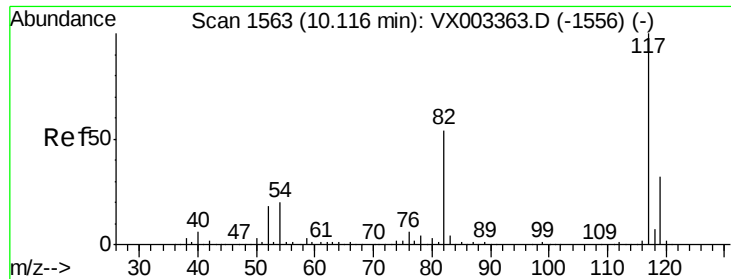
7/16/2018 11:24:45 AM



#62
 4-Bromofluorobenzene
 Concen: 40.40 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	187.4
176	91.7	0.0	181.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

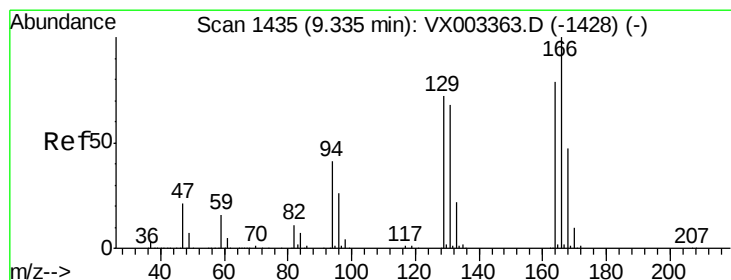
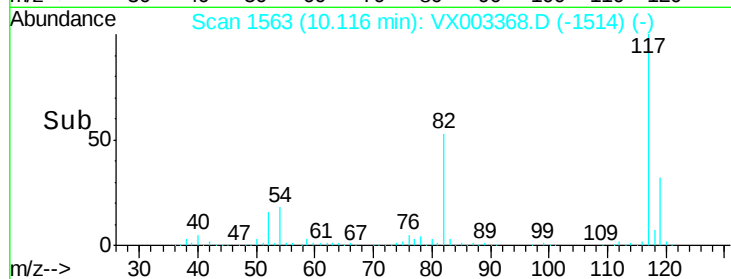
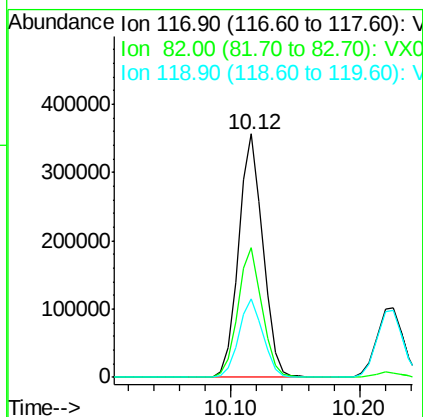
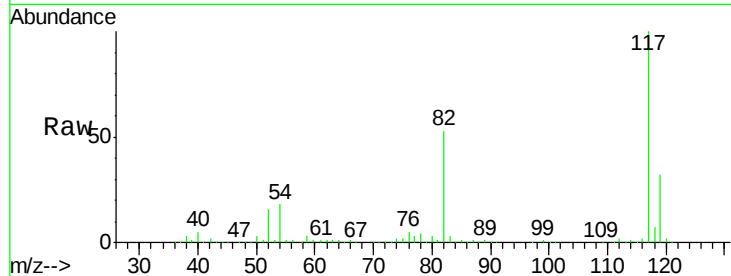
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion:117	Resp:	464787
Ion Ratio	Lower	Upper
117 100		
82 53.4	45.0	67.4
119 32.3	25.8	38.6

Manual Integrations
APPROVED

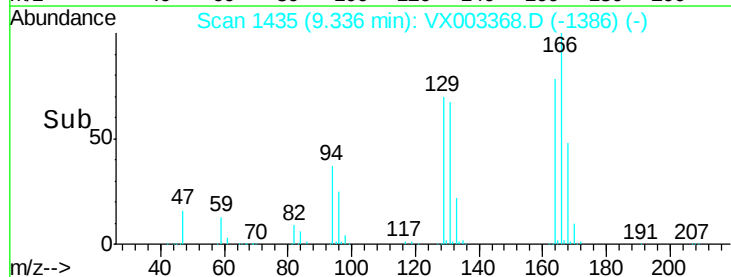
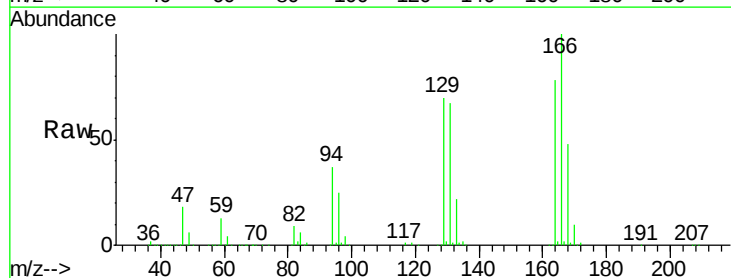
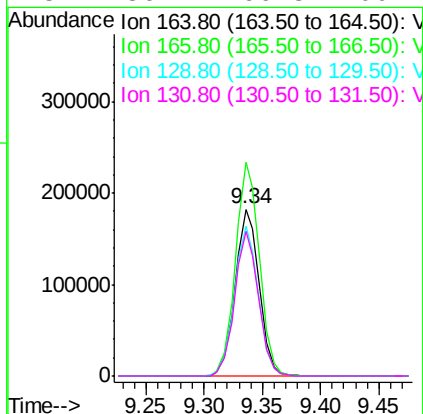
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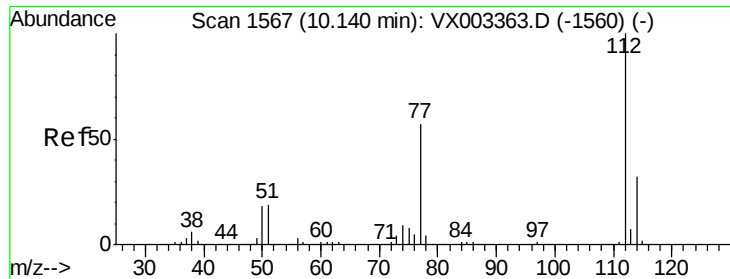
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#64
Tetrachloroethene
Concen: 51.92 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion:164	Resp:	261361
Ion Ratio	Lower	Upper
164 100		
166 128.1	102.9	154.3
129 90.1	68.6	102.8
131 86.4	66.8	100.2





#65
Chlorobenzene
Concen: 50.83 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

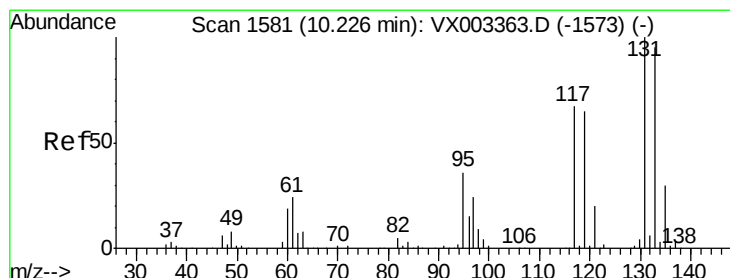
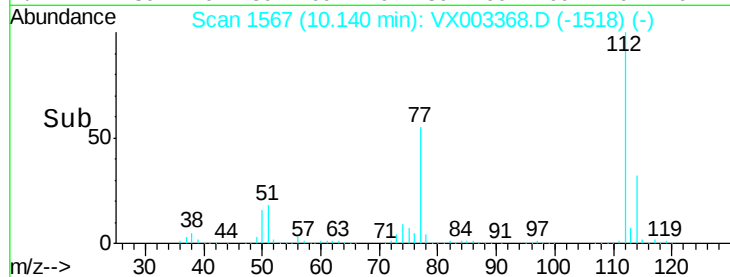
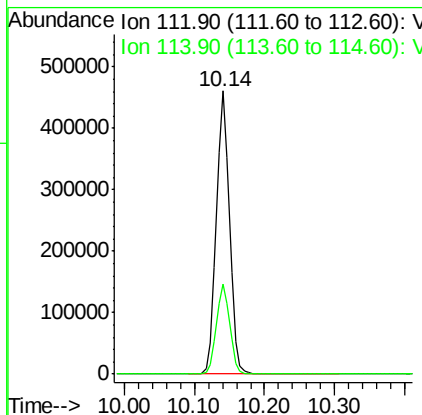
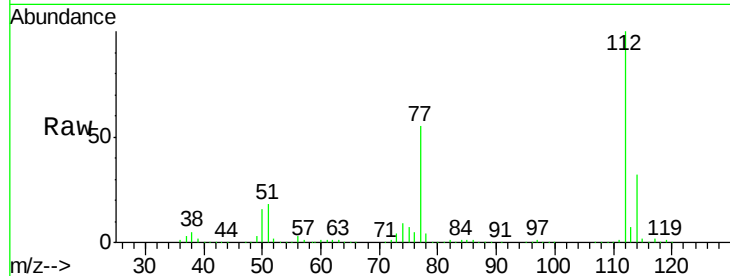
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion:112 Resp: 606690
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

Manual Integrations
APPROVED

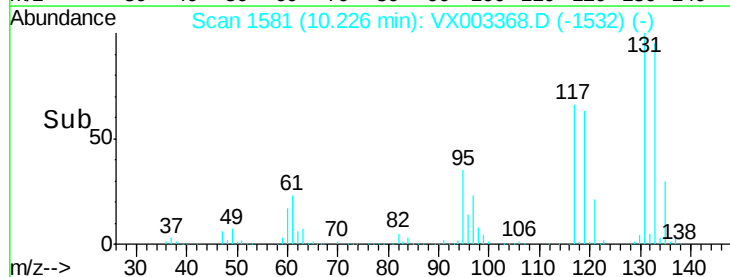
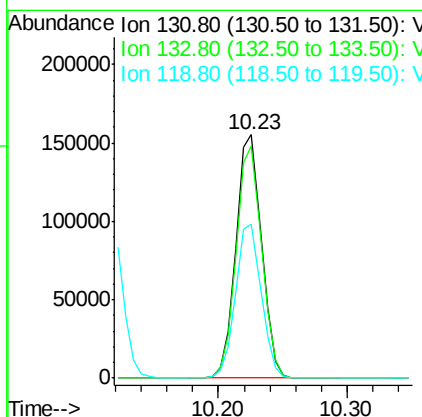
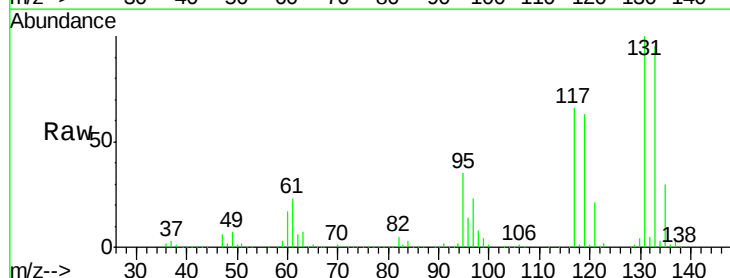
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7/16/2018 11:24:45 AM

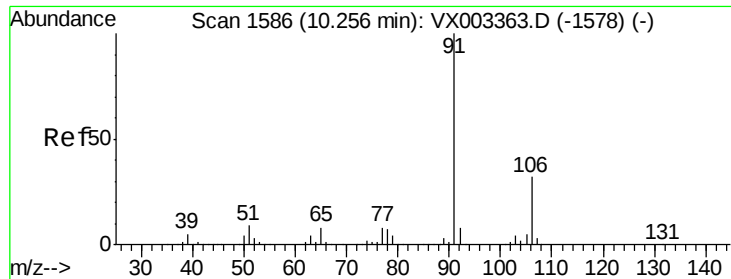
7/16/2018 11:24:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.94 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion:131 Resp: 214950
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.6
119 63.8 31.8 95.3





#67
Ethyl Benzene
Concen: 52.67 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

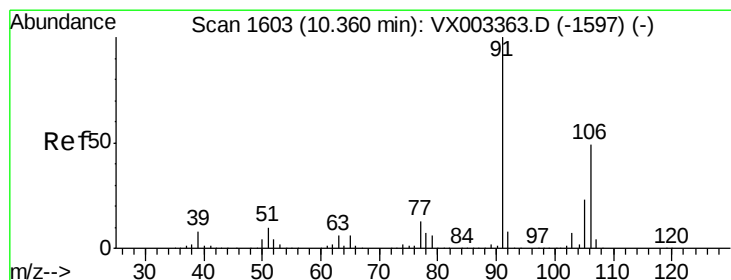
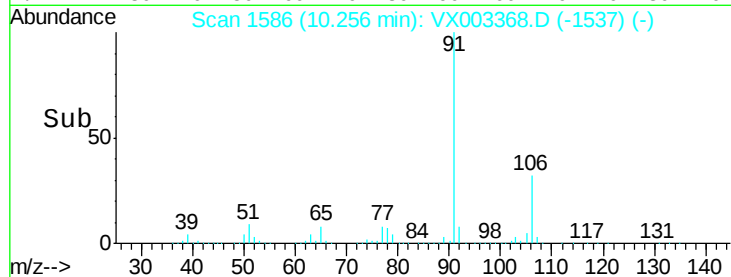
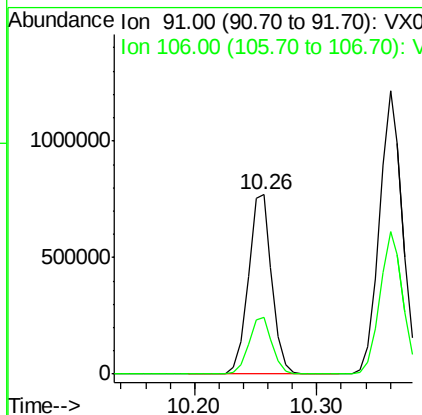
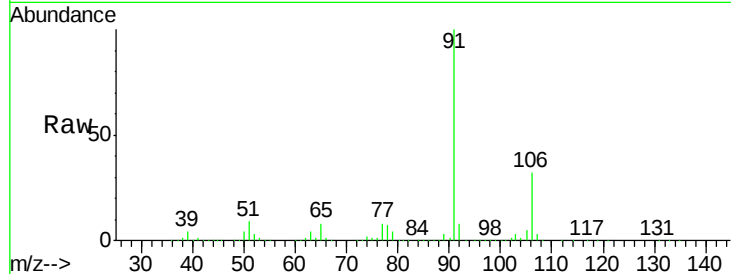
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion: 91 Resp: 1023008
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3

Manual Integrations
APPROVED

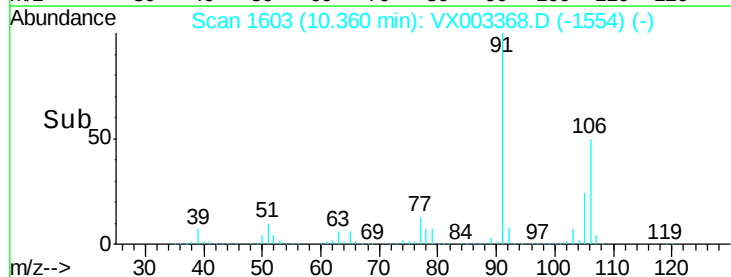
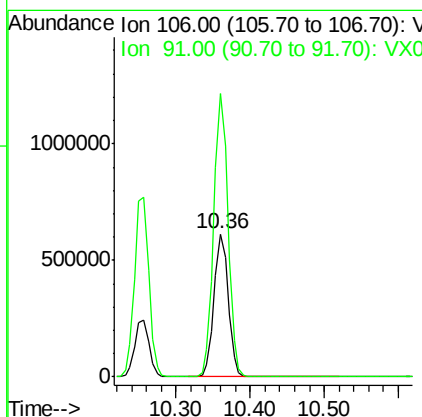
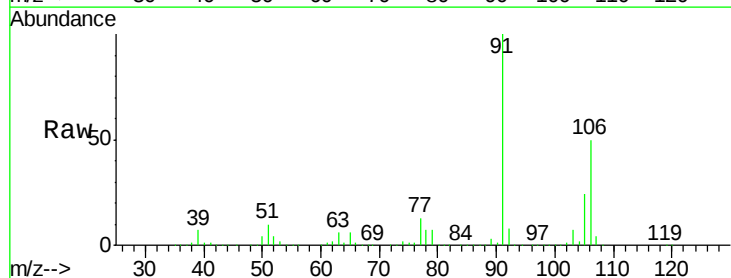
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7/16/2018 11:24:45 AM

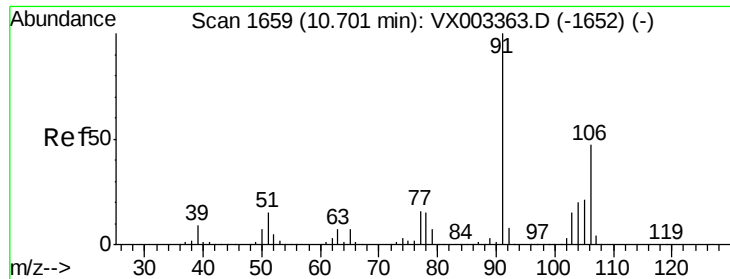
7/16/2018 11:24:45 AM



#68
m/p-Xylenes
Concen: 107.82 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion: 106 Resp: 806700
Ion Ratio Lower Upper
106 100
91 197.8 163.4 245.2





#69
o-Xylene
Concen: 52.95 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

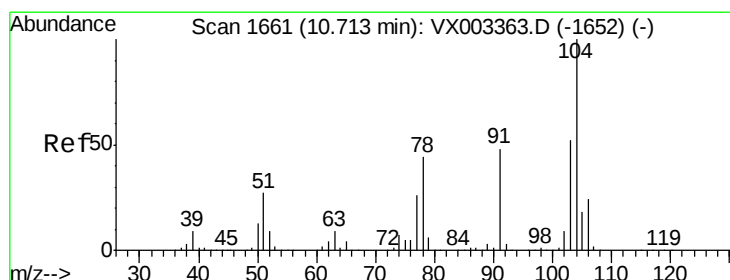
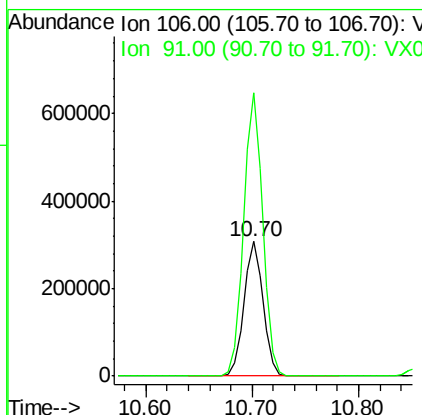
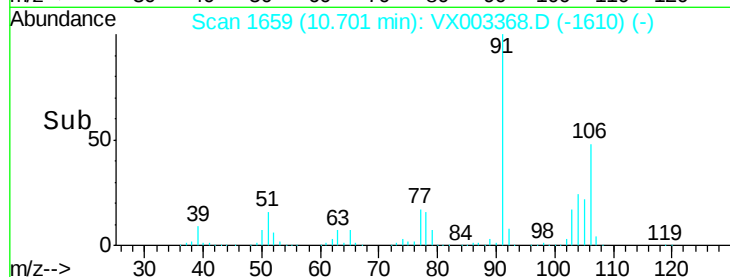
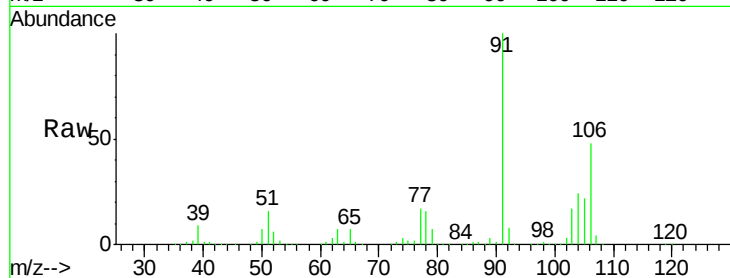
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion:106 Resp: 386934
Ion Ratio Lower Upper
106 100
91 210.1 108.2 324.6

Manual Integrations
APPROVED

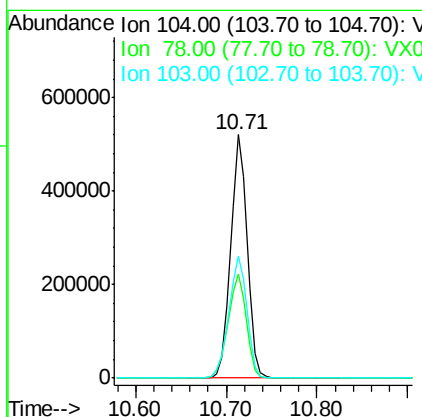
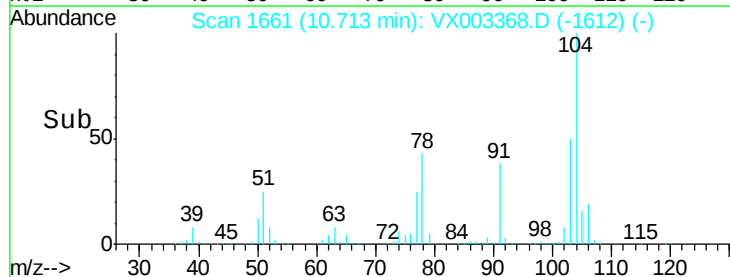
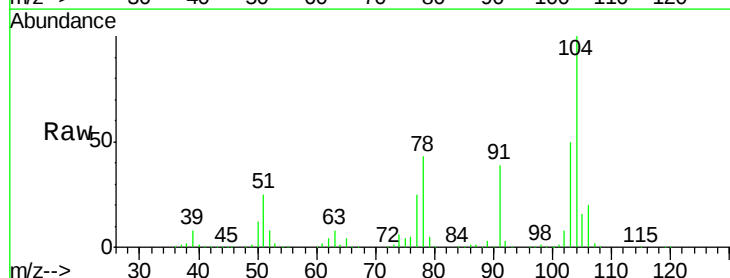
MMDadoda
7/16/2018 11:24:45 AM

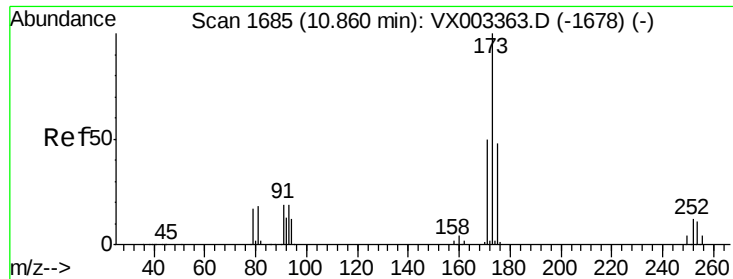
7/16/2018 11:24:45 AM



#70
Styrene
Concen: 53.44 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion:104 Resp: 656344
Ion Ratio Lower Upper
104 100
78 47.4 41.0 61.6
103 54.9 44.2 66.4





#71

Bromoform

Concen: 51.96 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion:173 Resp: 167875

Ion Ratio Lower Upper

173 100

175 48.9 24.7 74.1

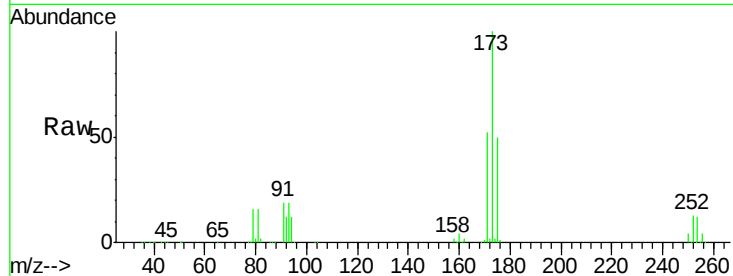
254 0.2 0.2 0.2

Manual Integrations
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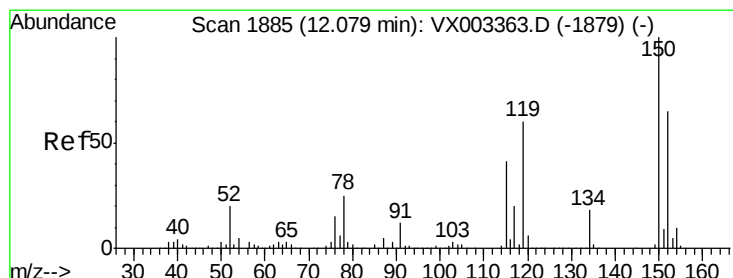
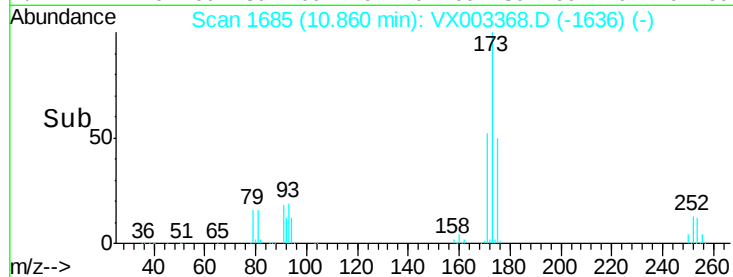
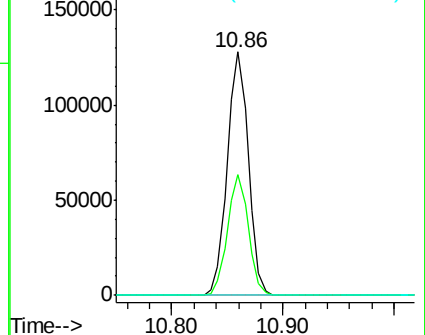
7/16/2018 11:24:45 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

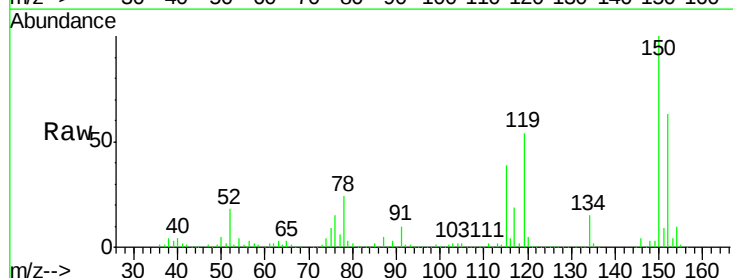
Tgt Ion:152 Resp: 283755

Ion Ratio Lower Upper

152 100

115 78.4 40.1 120.2

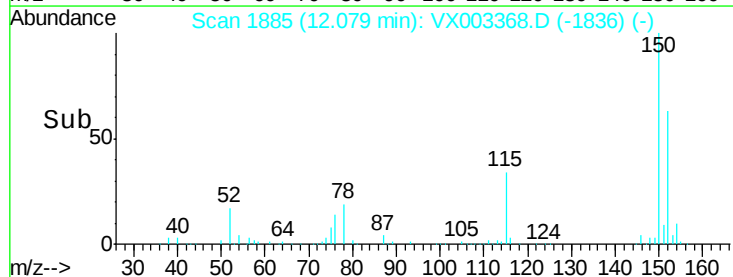
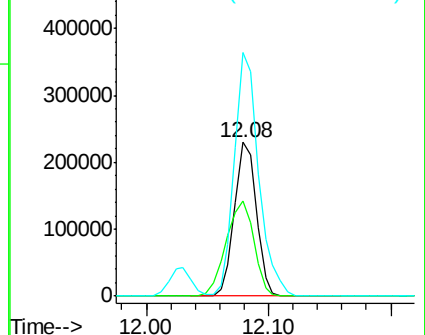
150 175.5 0.0 347.2

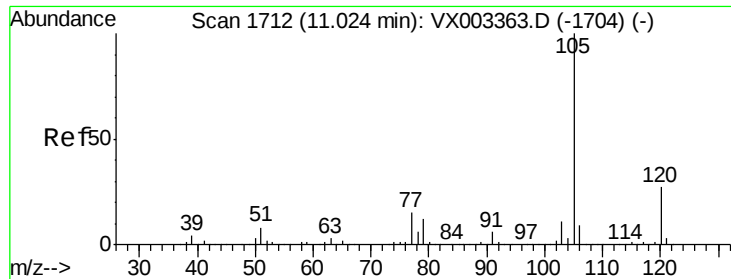


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.92 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion:105 Resp: 1038266

Ion Ratio Lower Upper

105 100

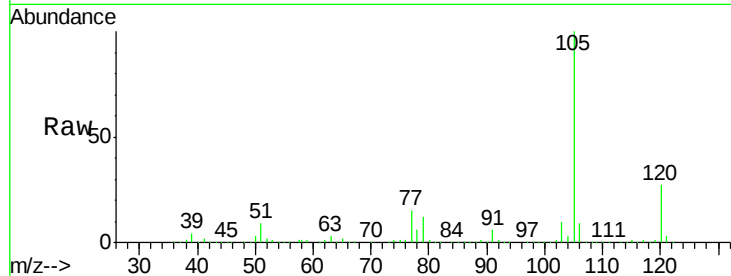
120 27.1 13.5 40.4

Manual Integrations
APPROVED

MMDadoda

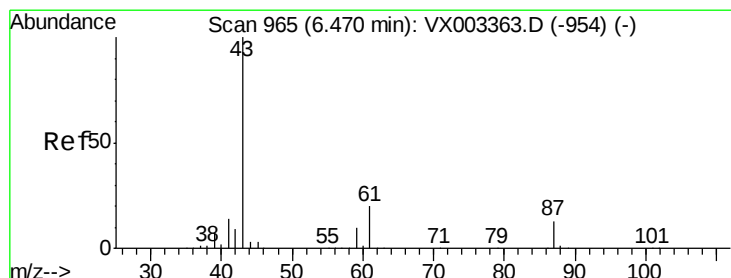
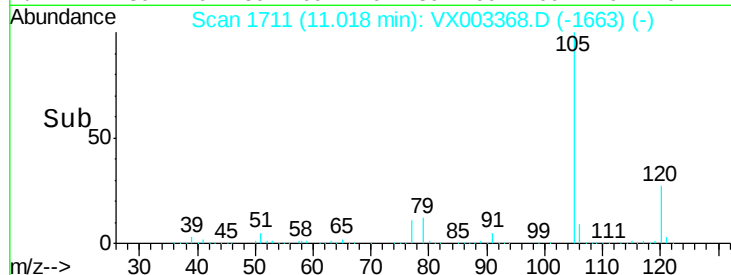
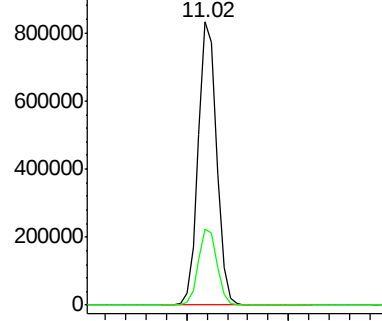
7/16/2018 11:24:45 AM

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.28 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion: 43 Resp: 430009

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

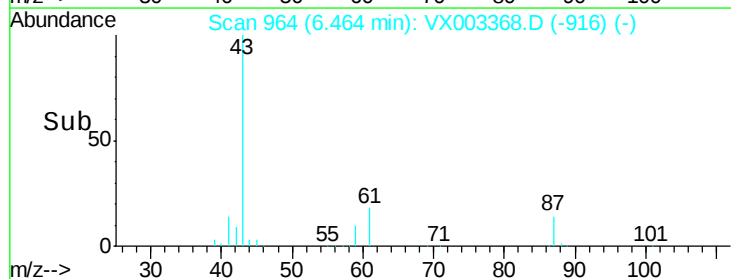
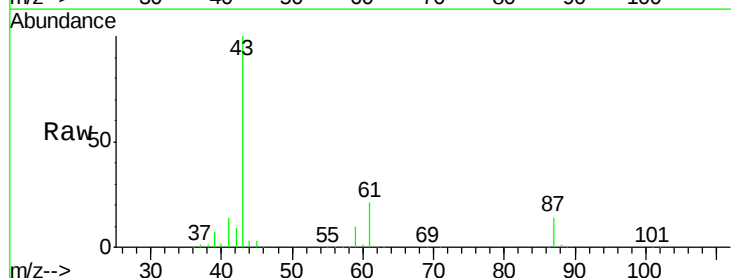
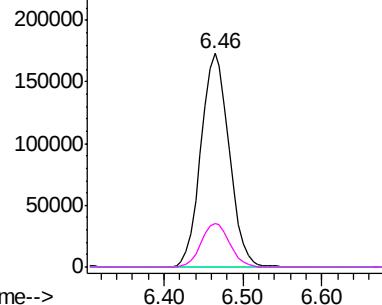
61 20.8 14.4 21.6

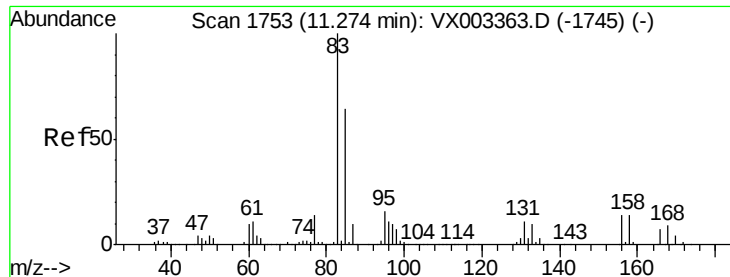
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.00 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion: 83 Resp: 301034
Ion Ratio Lower Upper

83 100

131 10.6 5.6 16.8

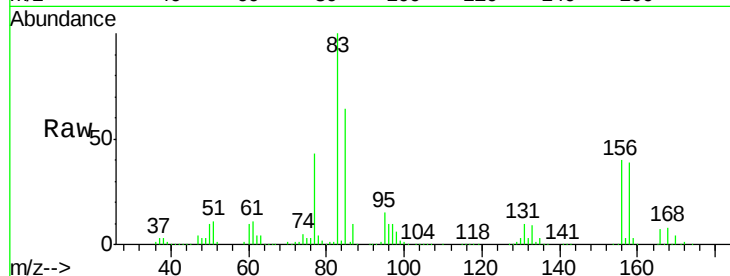
85 64.2 32.4 97.2

Manual Integrations
APPROVED

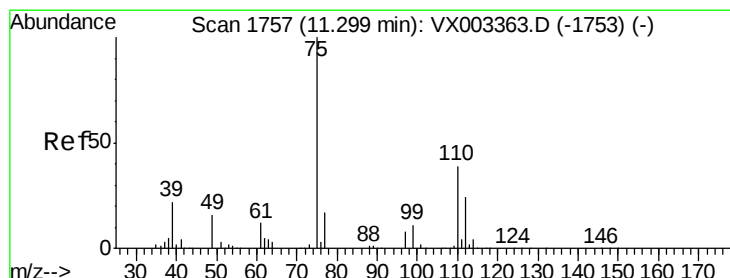
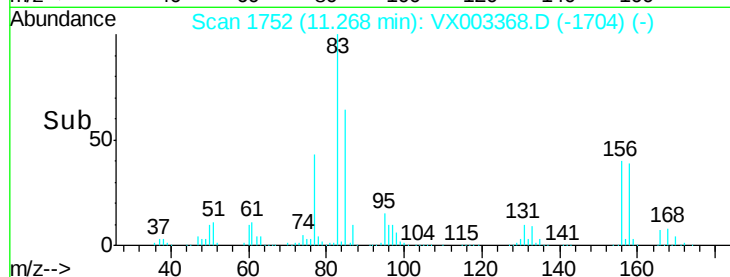
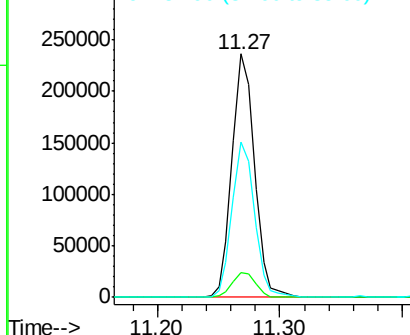
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.69 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

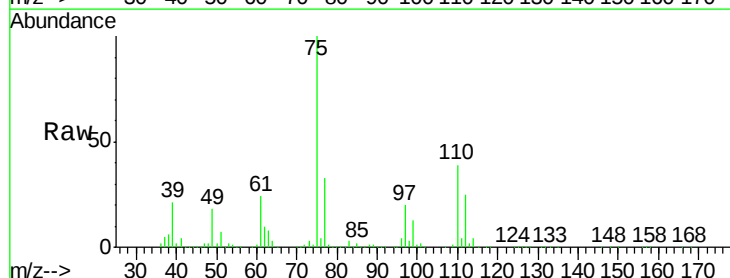
Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

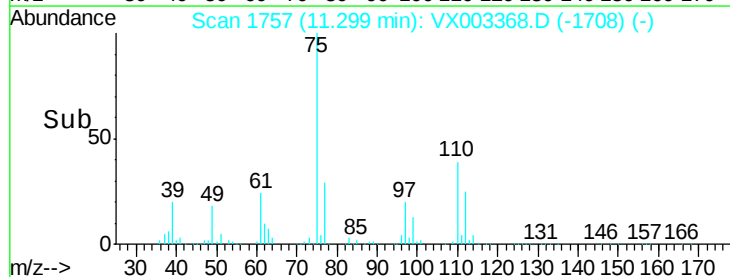
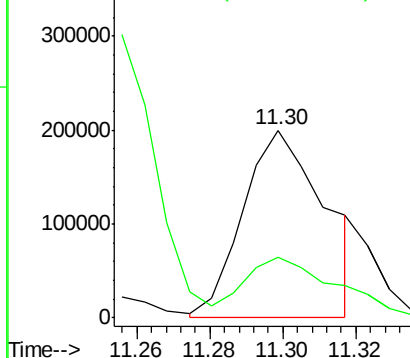
Tgt Ion: 75 Resp: 312214
Ion Ratio Lower Upper

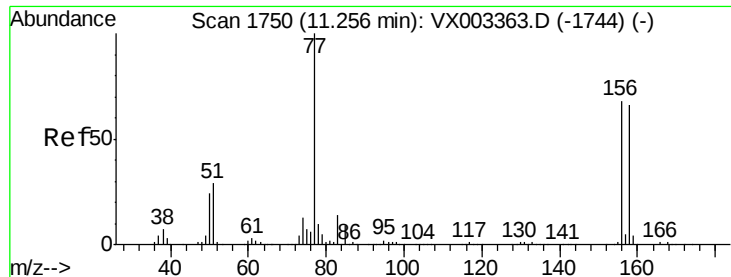
75 100

77 36.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.71 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

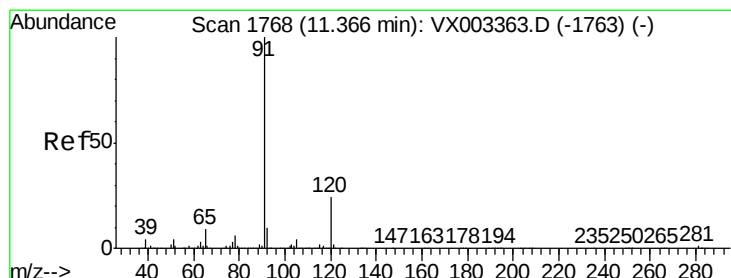
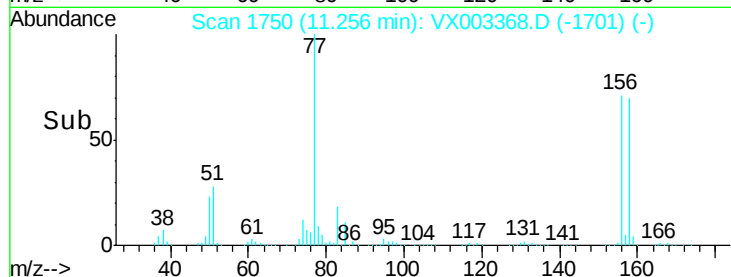
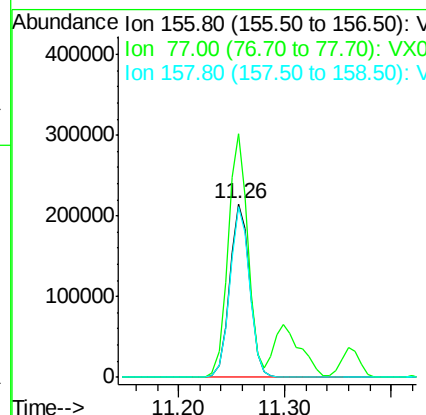
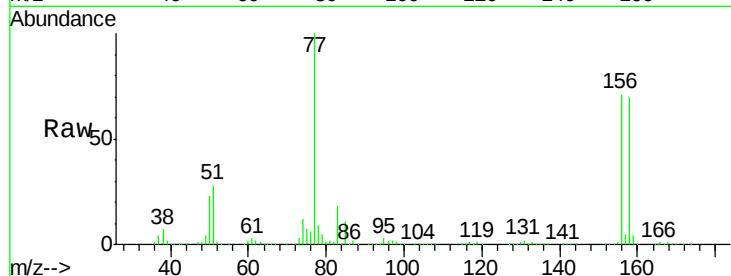
Tot Ion:	156	Resp:	281142
Ion Ratio	Lower	Upper	
156	100		
77	139.7	71.4	214.2
158	97.4	48.9	146.6

Manual Integrations
APPROVED

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#78

n-propylbenzene

Concen: 53.51 ug/l

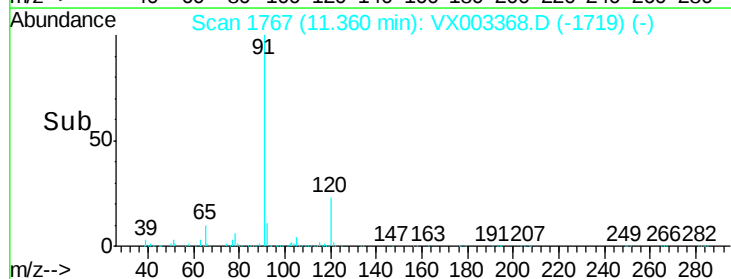
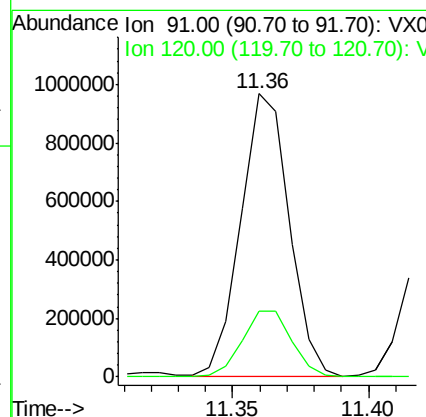
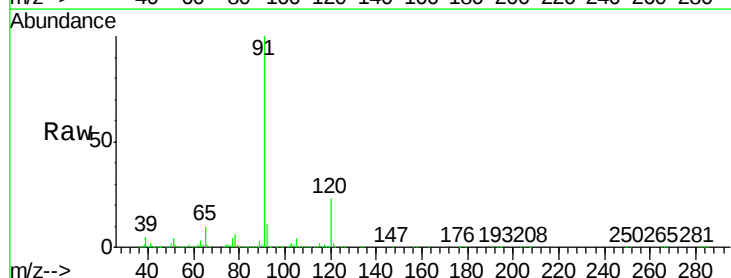
RT: 11.36 min Scan# 1767

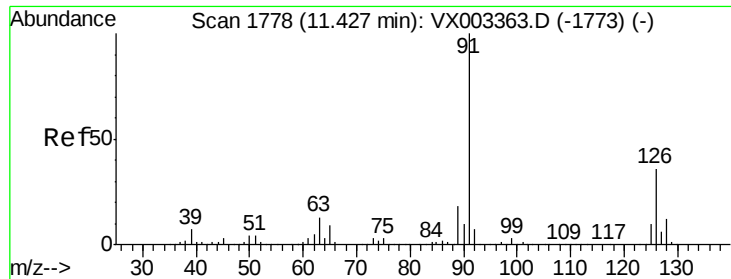
Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Tgt Ion:	91	Resp:	1186709
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.76 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX071318

Tot Ion: 91 Resp: 695316

Ion Ratio Lower Upper

91 100

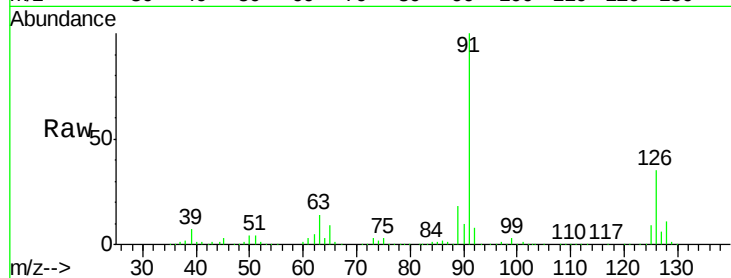
126 35.8 17.7 53.1

Manual Integrations
APPROVED

MMDadoda

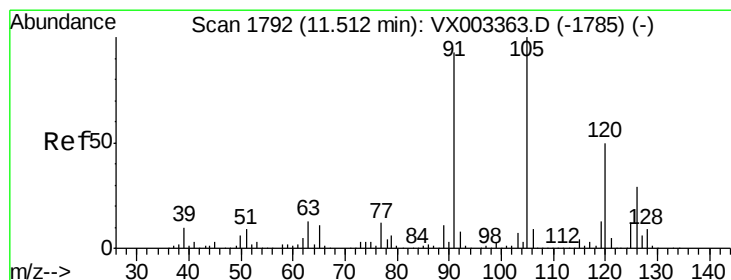
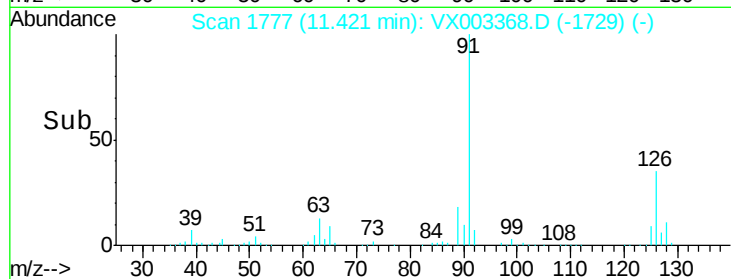
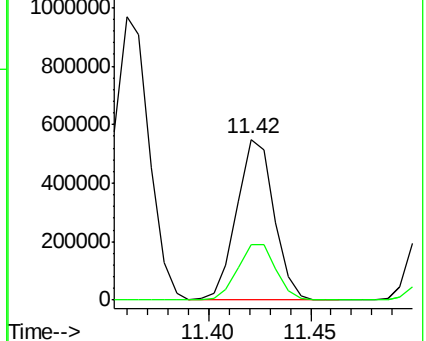
7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.53 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003368.D

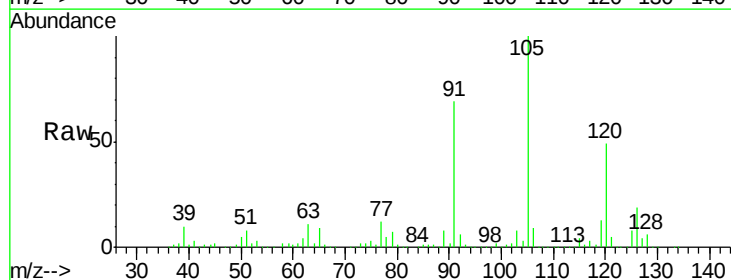
Acq: 13 Jul 2018 17:17

Tgt Ion: 105 Resp: 870400

Ion Ratio Lower Upper

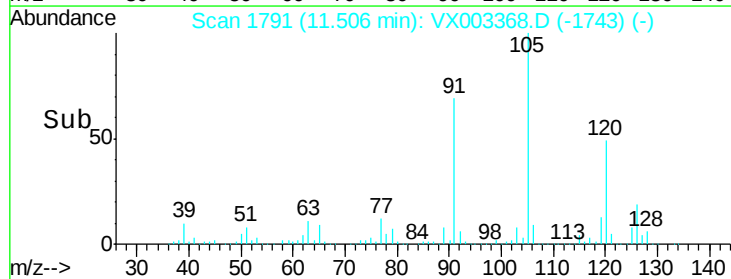
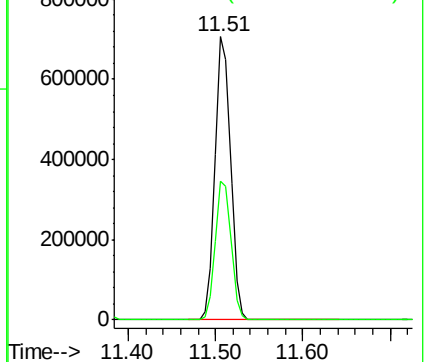
105 100

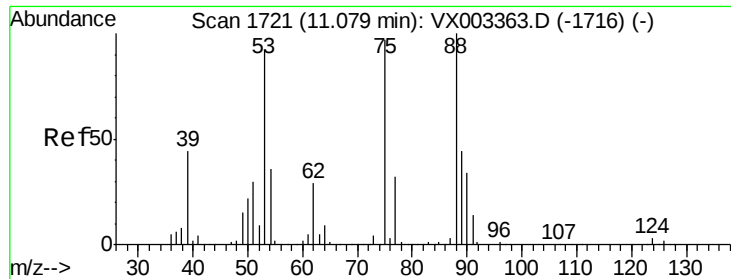
120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81
trans-1,4-Dichloro-2-butene
Concen: 54.73 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

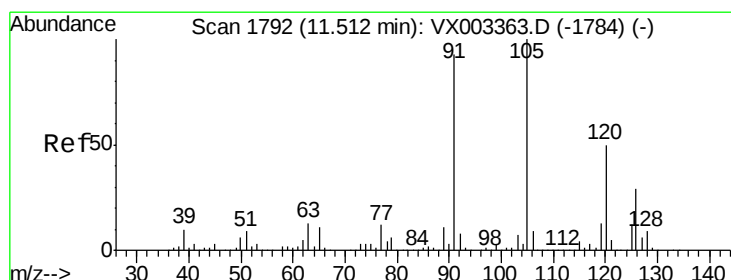
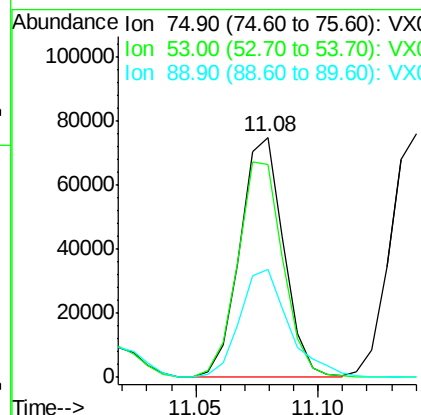
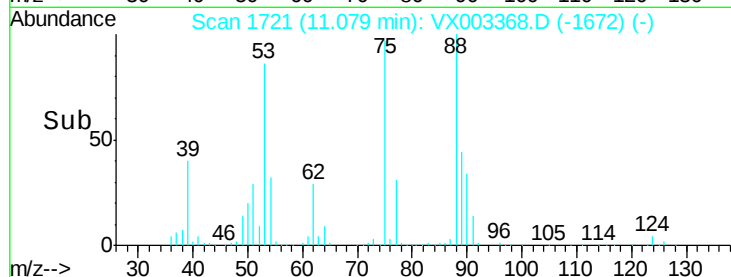
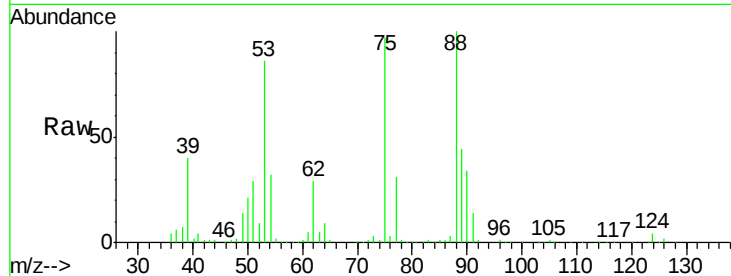
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	86.8	130.2
89	51.4	38.2	57.2

Manual Integrations
APPROVED

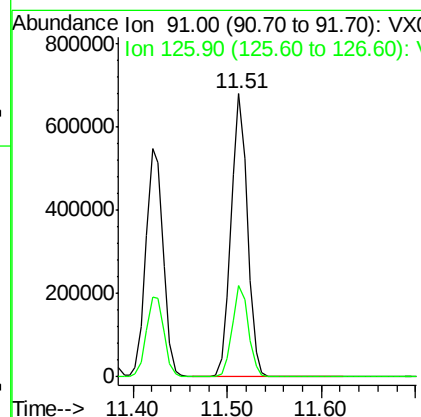
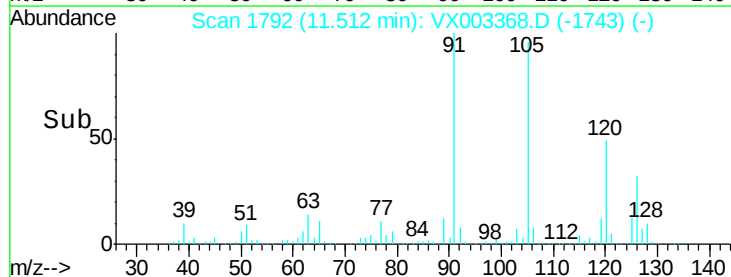
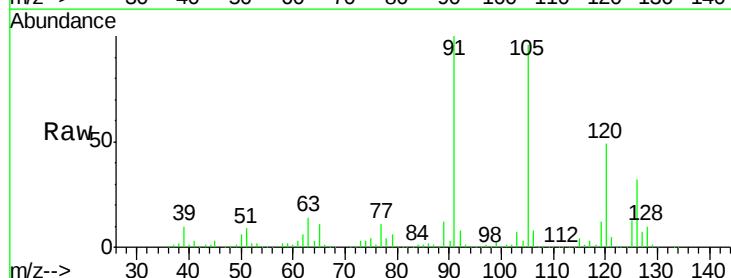
MMDadoda
7/16/2018 11:24:45 AM

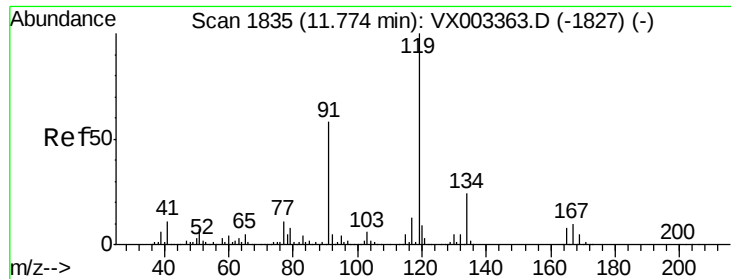
7/16/2018 11:24:45 AM



#82
4-Chlorotoluene
Concen: 51.63 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.4





#83
tert-Butylbenzene
Concen: 52.58 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

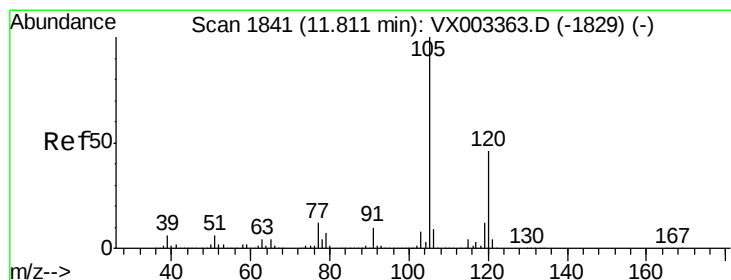
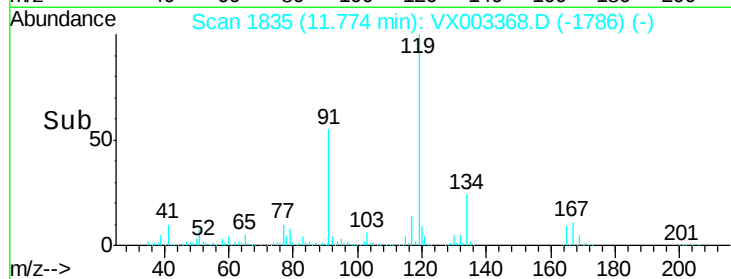
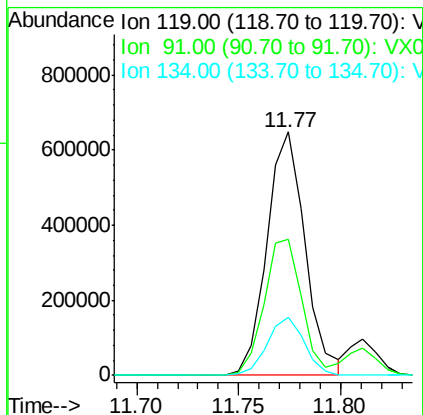
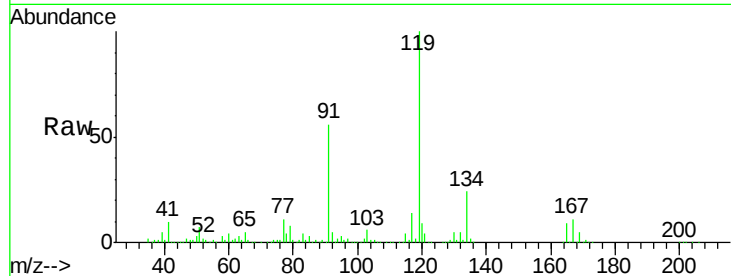
Instrument :
MSVOA_X
ClientSampleId :
ICVX071318

Tot Ion	Ratio	Resp	Lower	Upper
119	100	846495		
91	54.8	30.3	90.9	
134	23.1	11.7	35.1	

Manual Integrations
APPROVED

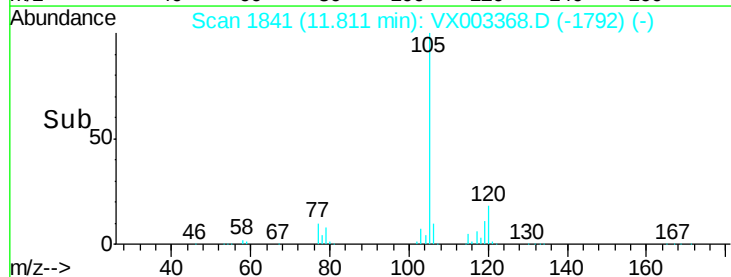
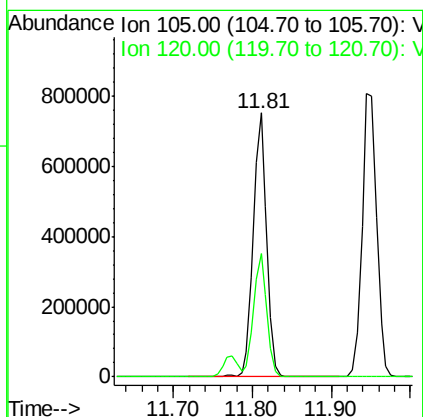
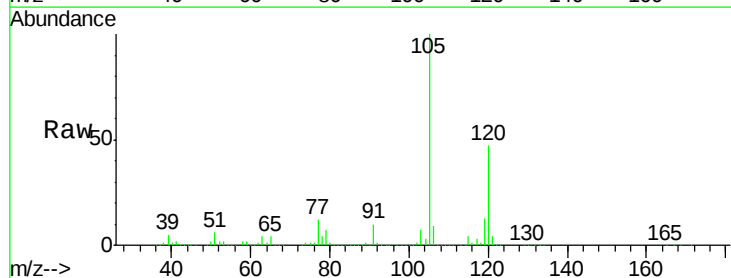
MMDadoda
7/16/2018 11:24:45 AM

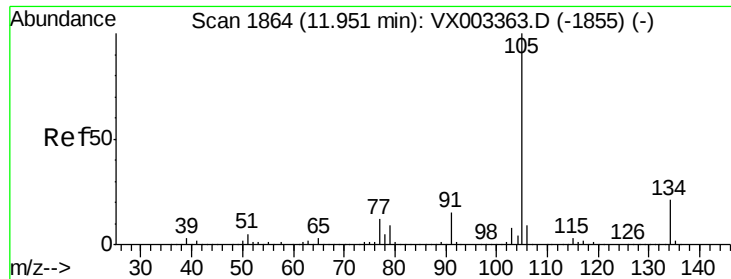
7/16/2018 11:24:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 54.04 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	891422		
120	46.2	22.3	66.8	





#85

sec-Butylbenzene

Concen: 53.56 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion:105 Resp: 1030512

Ion Ratio Lower Upper

105 100

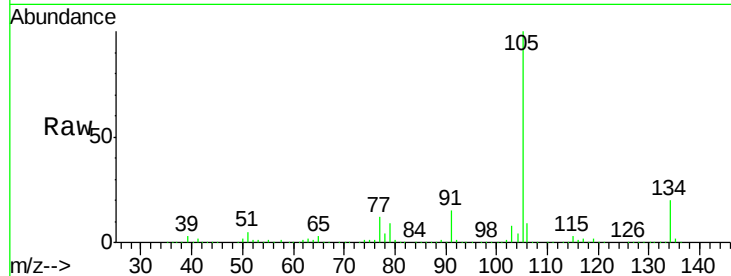
134 20.8 10.4 31.1

Manual Integrations
APPROVED

MMDadoda

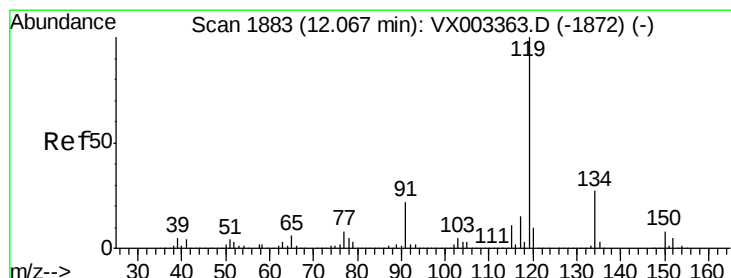
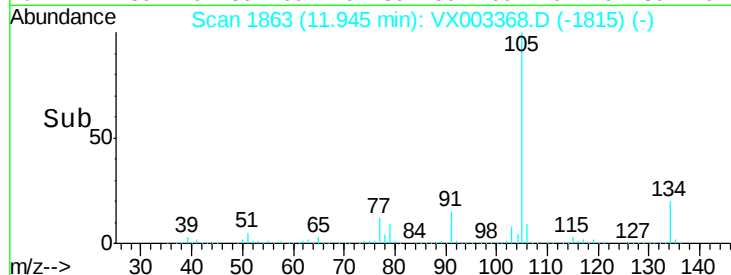
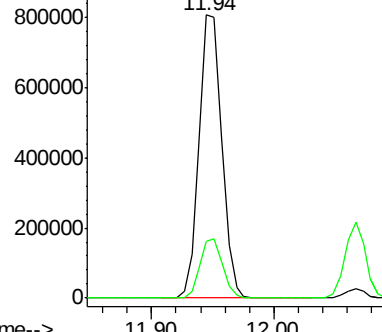
7/16/2018 11:24:45 AM

7/16/2018 11:24:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.26 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

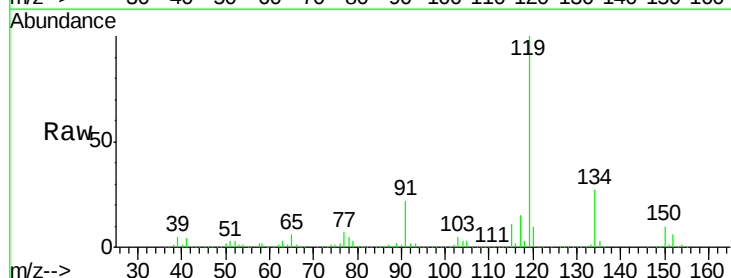
Tgt Ion:119 Resp: 934011

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

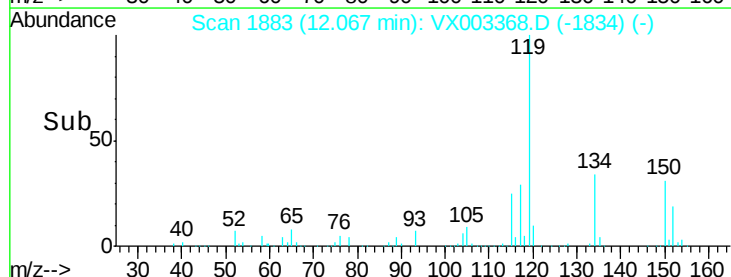
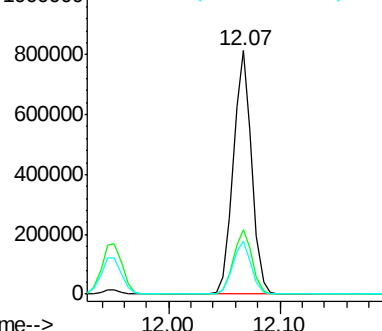
91 22.0 11.9 35.7

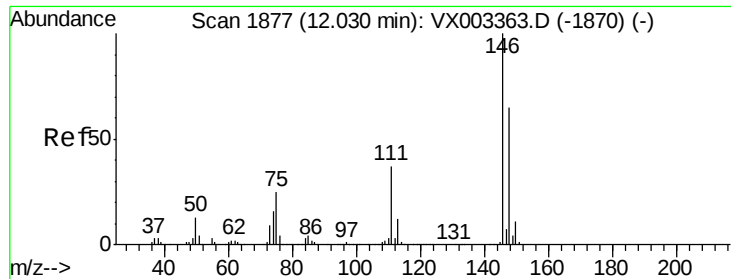


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 50.15 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

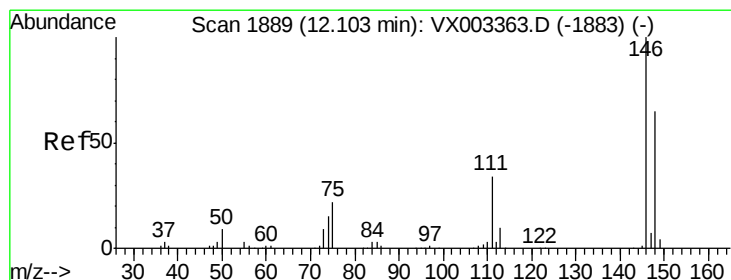
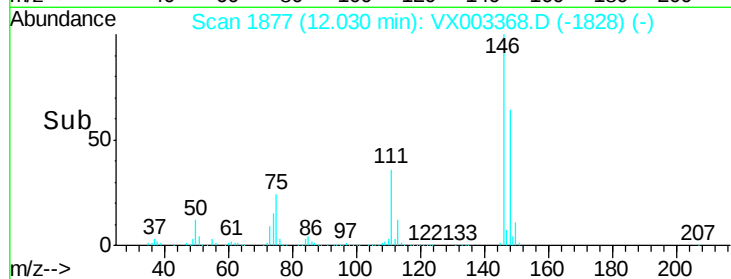
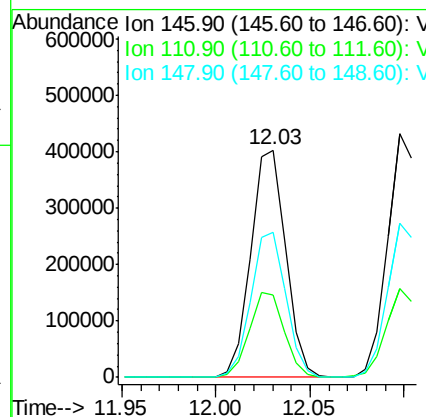
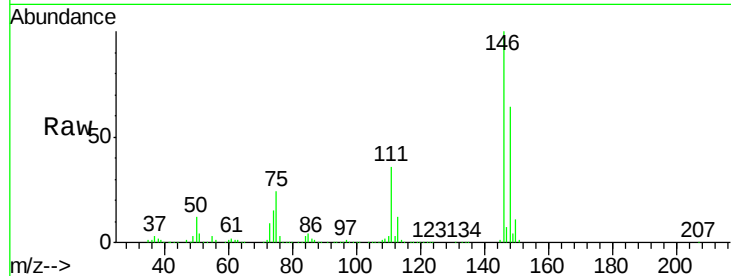
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	63.9	32.1	96.3

Manual Integrations
 APPROVED

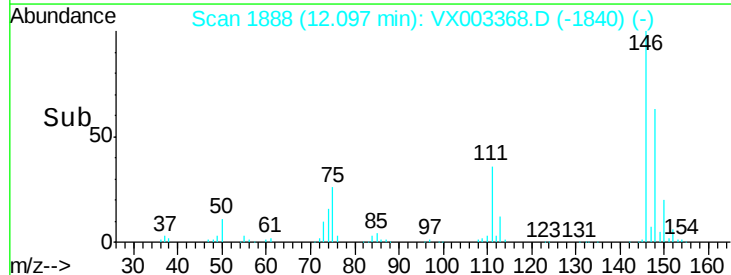
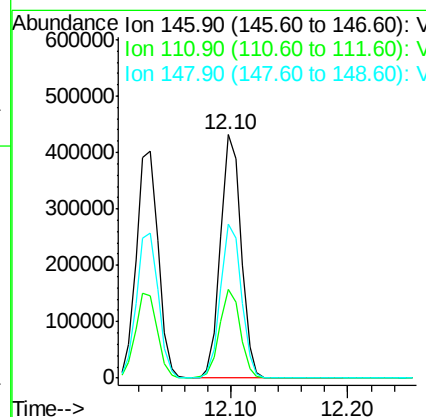
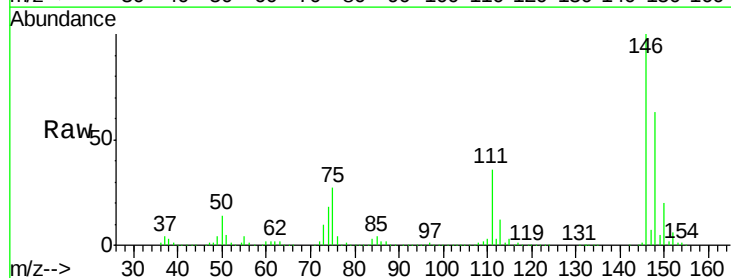
MMDadoda
 7/16/2018 11:24:45 AM

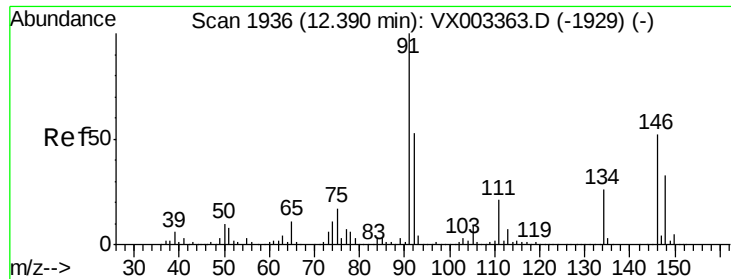
7/16/2018 11:24:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.03 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	64.3	32.4	97.0





#89
n-Butylbenzene
Concen: 55.35 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

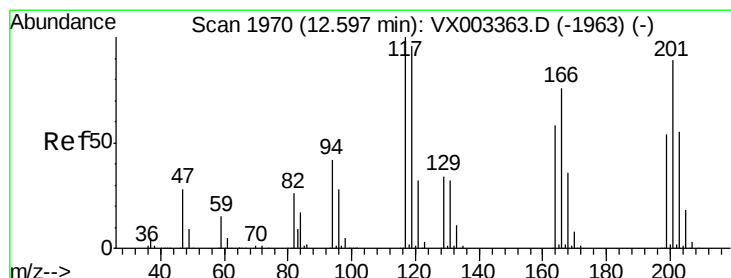
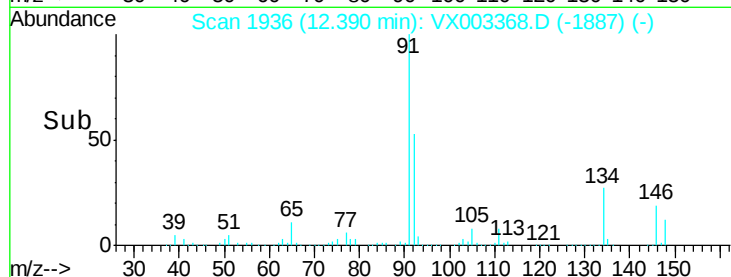
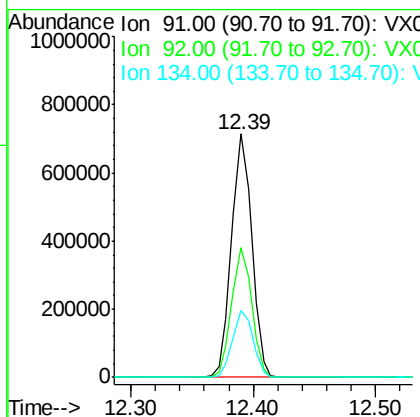
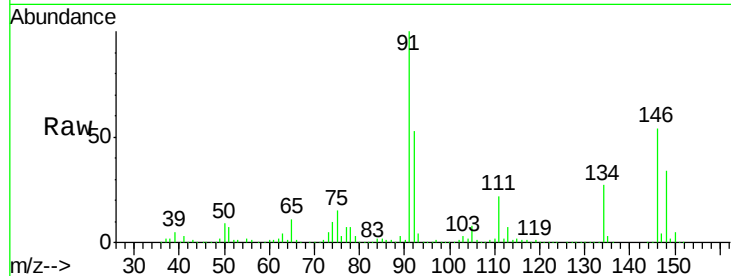
Instrument :
MSVOA_X
ClientSampleId :
ICVVX071318

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	27.7	13.5	40.5

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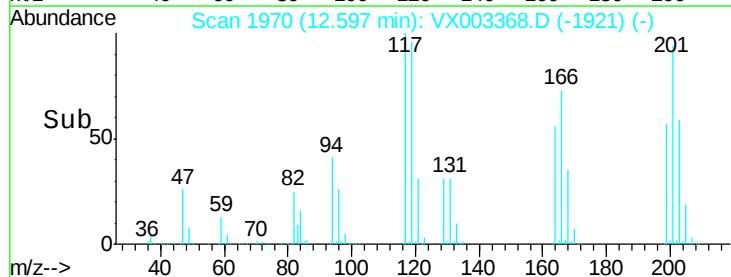
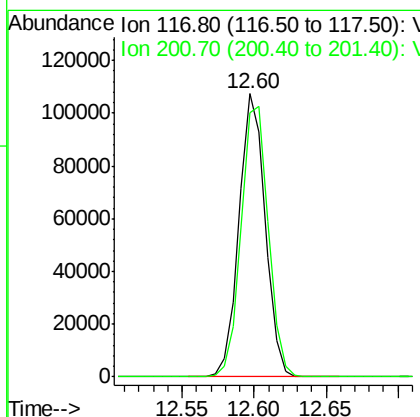
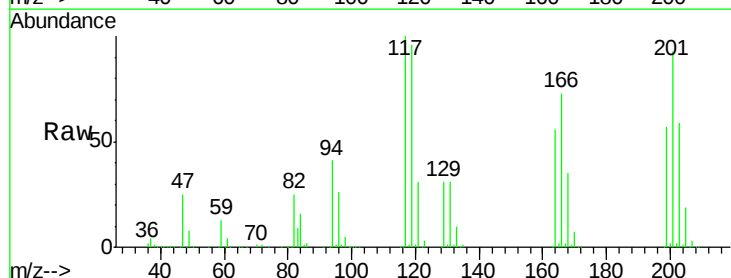
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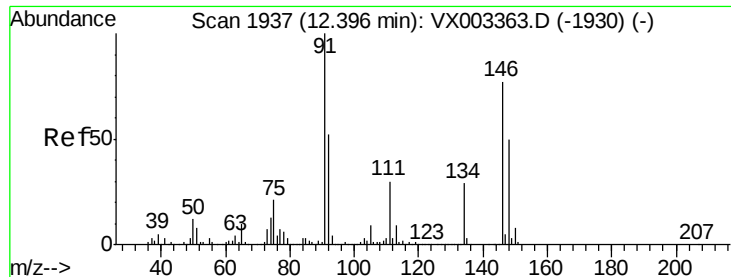
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#90
Hexachloroethane
Concen: 52.48 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003368.D
Acq: 13 Jul 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.2	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 49.48 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX071318

Tot Ion:146 Resp: 512560

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.1

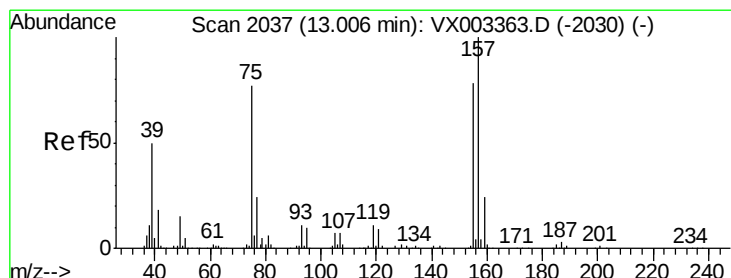
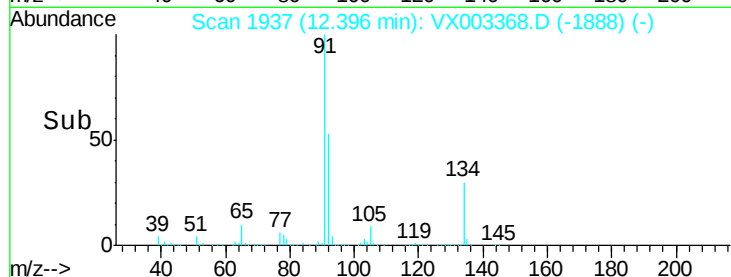
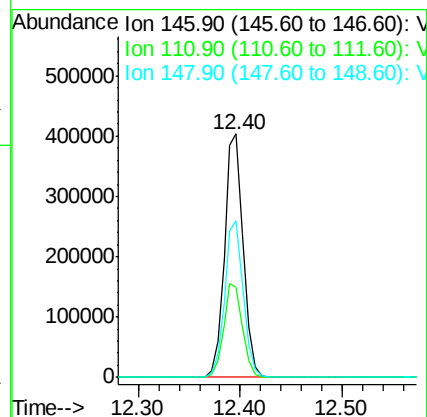
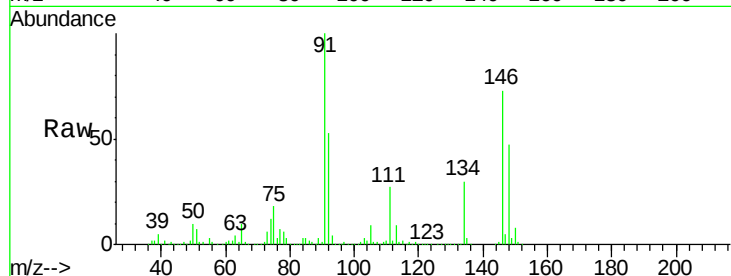
148 64.4 31.7 95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.47 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

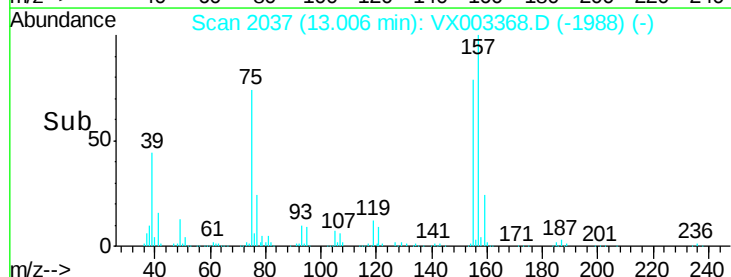
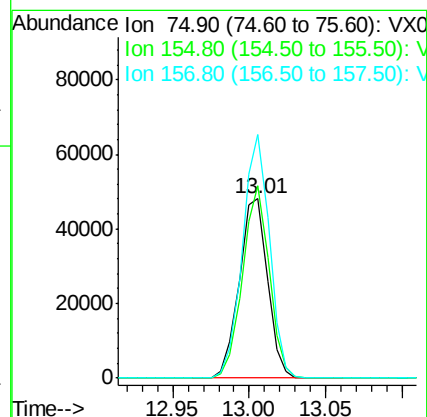
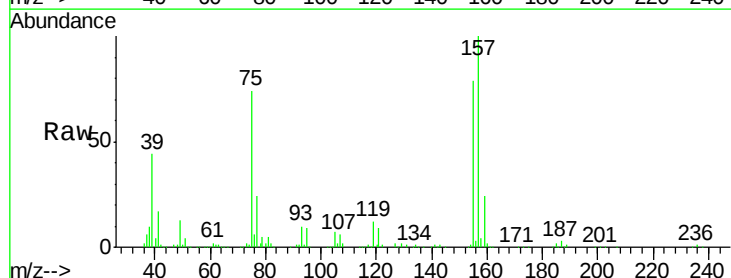
Tgt Ion: 75 Resp: 61567

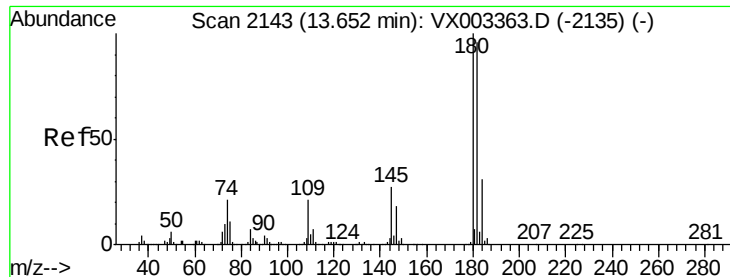
Ion Ratio Lower Upper

75 100

155 100.9 45.8 137.4

157 129.4 60.1 180.3





#93
 1,2,4-Trichlorobenzene
 Concen: 53.38 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

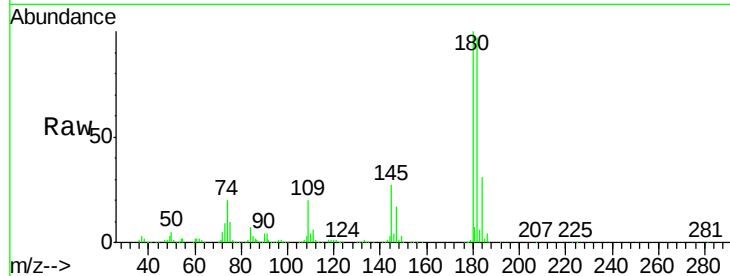
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071318

Tot Ion:	180	Resp:	378288
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.7	143.1
145	28.0	14.1	42.4

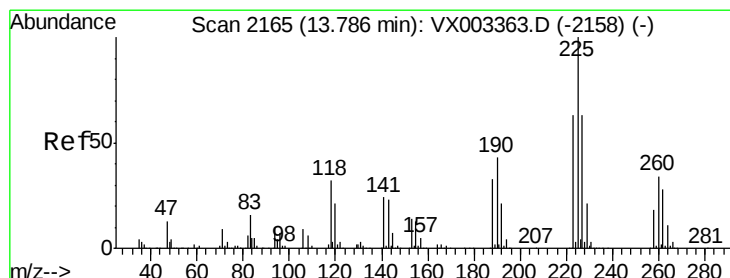
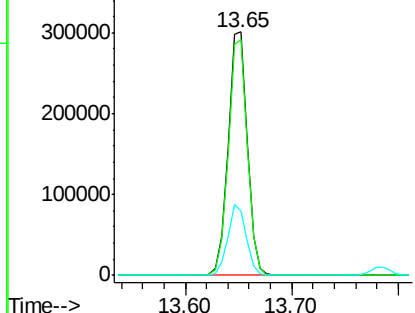
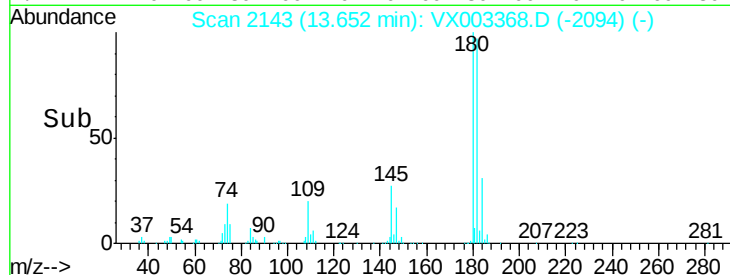
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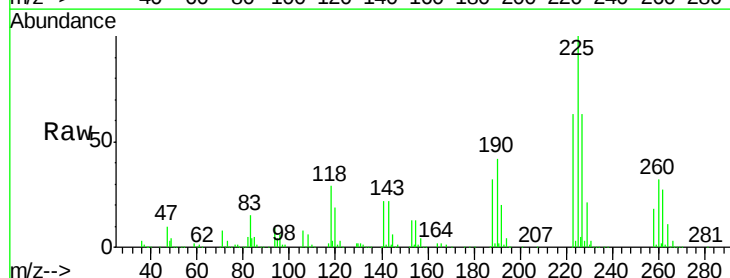


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

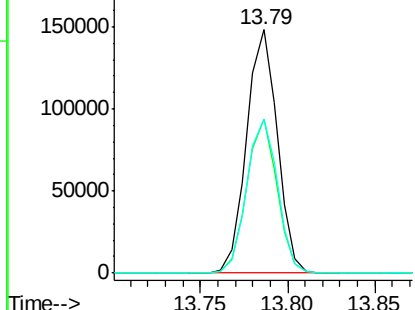
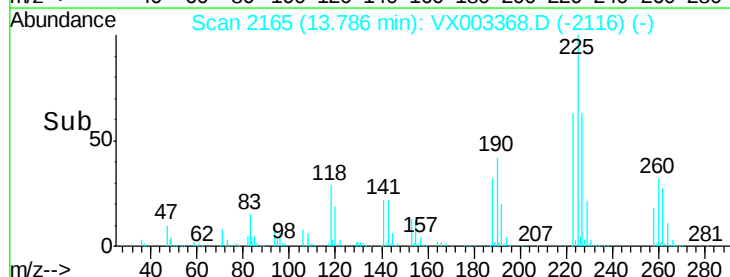


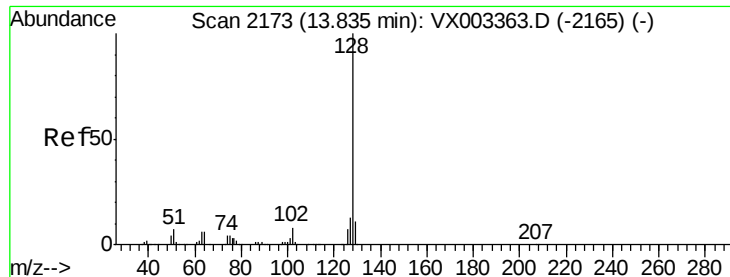
#94
 Hexachlorobutadiene
 Concen: 54.29 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003368.D
 Acq: 13 Jul 2018 17:17

Tgt Ion:	225	Resp:	181546
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	95.0
227	63.7	32.4	97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.85 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071318

Tot Ion:128 Resp: 1049640

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

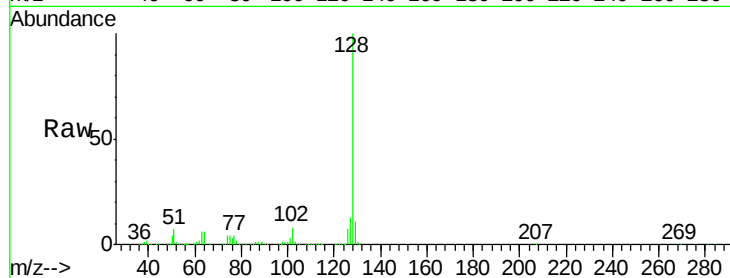
129 11.0 8.6 13.0

Manual Integrations
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MMDadoda

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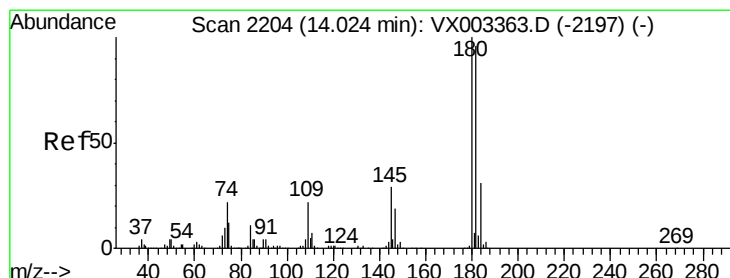
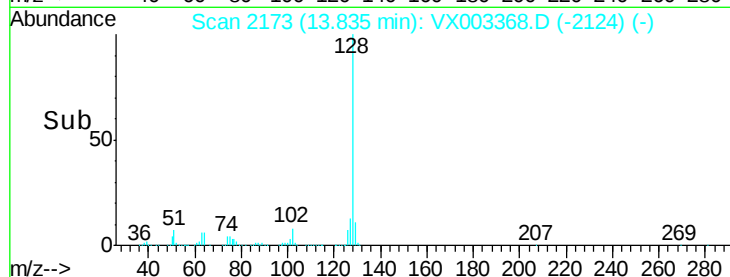
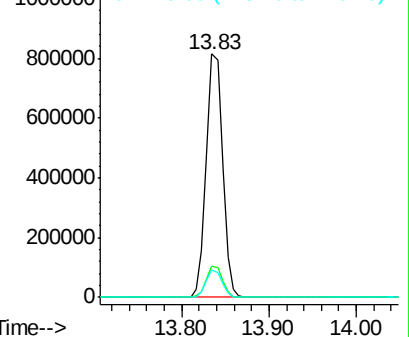
7/16/2018 11:24:45 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.54 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003368.D

Acq: 13 Jul 2018 17:17

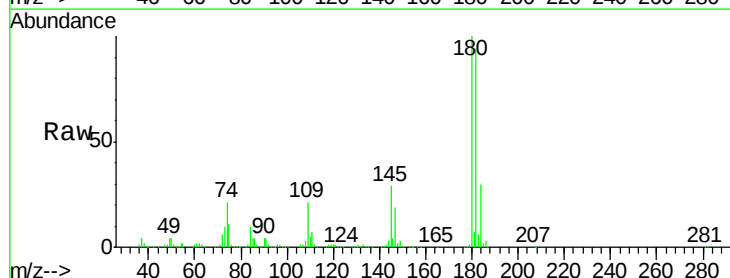
Tgt Ion:180 Resp: 375773

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

