

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003245.D
 Acq On : 09 Jul 2018 14:49
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX070918

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:46 PM

Quant Time: Jul 09 16:26:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	213406	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	5.51	113	182025	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	8.72	98	670734	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	253832	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	216771	50.45	ug/l	99
3) Chloromethane	1.32	50	176010	45.05	ug/l	99
4) Vinyl Chloride	1.40	62	188724	47.06	ug/l	99
5) Bromomethane	1.64	94	65570	55.37	ug/l	99
6) Chloroethane	1.71	64	108751	48.95	ug/l	99
7) Trichlorofluoromethane	1.92	101	285835	47.95	ug/l	96
8) Diethyl Ether	2.19	74	101765	47.23	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	164410	47.11	ug/l	95
10) Methyl Iodide	2.51	142	122934	33.95	ug/l	97
11) Tert butyl alcohol	3.08	59	191913	237.98	ug/l	100
12) 1,1-Dichloroethene	2.37	96	147780	46.53	ug/l	93
13) Acrolein	2.29	56	139142	214.12	ug/l	100
14) Allyl chloride	2.73	41	282567	48.03	ug/l	94
15) Acrylonitrile	3.15	53	417172	231.67	ug/l	99
16) Acetone	2.45	43	377728	239.19	ug/l	95
17) Carbon Disulfide	2.57	76	421203	47.72	ug/l	99
18) Methyl Acetate	2.78	43	218762	49.11	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	497881	46.93	ug/l	100
20) Methylene Chloride	2.85	84	160336	49.54	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	158411	46.79	ug/l	93
22) Diisopropyl ether	3.87	45	514590	42.99	ug/l	96
23) Vinyl Acetate	3.82	43	2258225	222.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	286485	45.99	ug/l	98
25) 2-Butanone	4.71	43	651866	233.28	ug/l	97
26) 2,2-Dichloropropane	4.58	77	262354	48.15	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	187653	45.10	ug/l	94
28) Bromochloromethane	5.02	49	141546	45.10	ug/l	88
29) Tetrahydrofuran	5.17	42	414801	228.71	ug/l	96
30) Chloroform	5.21	83	312296	45.57	ug/l	97
31) Cyclohexane	5.57	56	276549	47.41	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	282111	46.67	ug/l	98
36) 1,1-Dichloropropene	5.80	75	239615	48.58	ug/l	99
37) Ethyl Acetate	4.87	43	248543	45.96	ug/l	98
38) Carbon Tetrachloride	5.78	117	259313	48.06	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	287328	49.45	ug/l	95
40) Benzene	6.15	78	687408	47.03	ug/l	100
41) Methacrylonitrile	5.07	41	142641	48.18	ug/l	97
42) 1,2-Dichloroethane	6.20	62	248828	45.56	ug/l	98
43) Isopropyl Acetate	6.47	43	405332	47.74	ug/l	97
44) Trichloroethene	7.21	130	209041	48.36	ug/l	98
45) 1,2-Dichloropropane	7.52	63	173712	45.71	ug/l	100
46) Dibromomethane	7.67	93	120319	46.45	ug/l	94
47) Bromodichloromethane	7.90	83	230493	48.23	ug/l	98
48) Methyl methacrylate	7.78	41	212397	48.77	ug/l	93
49) 1,4-Dioxane	7.76	88	86944	954.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1299492	245.82	ug/l	97
52) Toluene	8.79	92	444879	48.15	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	281159	50.00	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	260429	50.88	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	178012	46.44	ug/l	96
56) Ethyl methacrylate	9.18	69	263390	50.17	ug/l	92
57) 1,3-Dichloropropane	9.37	76	290059	46.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	689456	272.23	ug/l	96
59) 2-Hexanone	9.50	43	1000524	249.19	ug/l	95
60) Dibromochloromethane	9.59	129	198098	49.50	ug/l	99
61) 1,2-Dibromoethane	9.68	107	190744	47.48	ug/l	99
64) Tetrachloroethene	9.34	164	232074	49.44	ug/l	97
65) Chlorobenzene	10.14	112	515083	48.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	193187	50.75	ug/l	99
67) Ethyl Benzene	10.26	91	865724	50.73	ug/l	100
68) m/p-Xylenes	10.36	106	684941	103.18	ug/l	97
69) o-Xylene	10.70	106	327481	50.92	ug/l	97
70) Styrene	10.71	104	542908	52.06	ug/l	98
71) Bromoform	10.86	173	159982	51.07	ug/l #	99
73) Isopropylbenzene	11.02	105	895245	50.08	ug/l	99
74) N-amyl acetate	6.47	43	405332	47.53	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	260906	47.06	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	237620m	48.56	ug/l	
77) Bromobenzene	11.26	156	253217	49.06	ug/l	94
78) n-propylbenzene	11.37	91	1013912	51.02	ug/l	98
79) 2-Chlorotoluene	11.43	91	594780	49.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	754300	50.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	79803	53.30	ug/l	93
82) 4-Chlorotoluene	11.51	91	705171	49.88	ug/l	98
83) tert-Butylbenzene	11.77	119	746480	50.21	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	775839	50.90	ug/l	98
85) sec-Butylbenzene	11.95	105	898008	51.10	ug/l	98
86) p-Isopropyltoluene	12.07	119	827530	51.68	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	461790	48.78	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	464821	48.50	ug/l	99
89) n-Butylbenzene	12.39	91	708380	52.95	ug/l	99
90) Hexachloroethane	12.60	117	124549	50.95	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	455283	47.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59211	49.78	ug/l	90

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ClientSampleId :
ICVVX070918

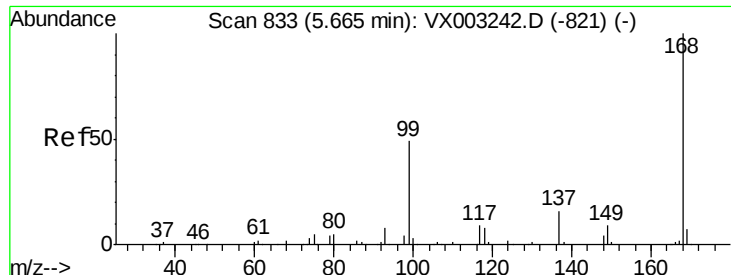
Manual Integrations
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QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	351554	50.81	ug/l	99
94) Hexachlorobutadiene	13.79	225	175471	50.94	ug/l	99
95) Naphthalene	13.84	128	933835	51.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	351498	50.94	ug/l	99

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



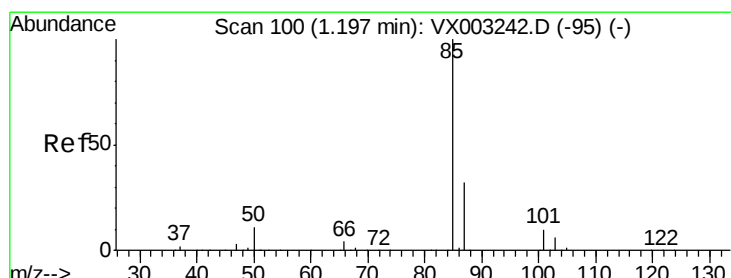
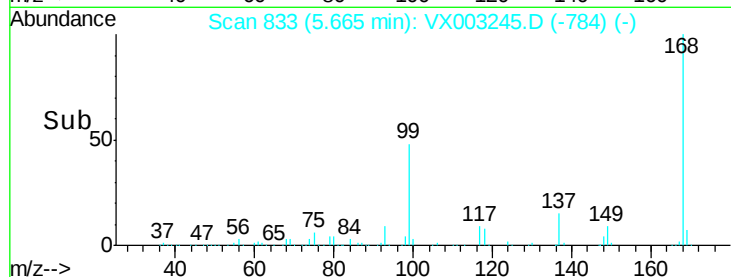
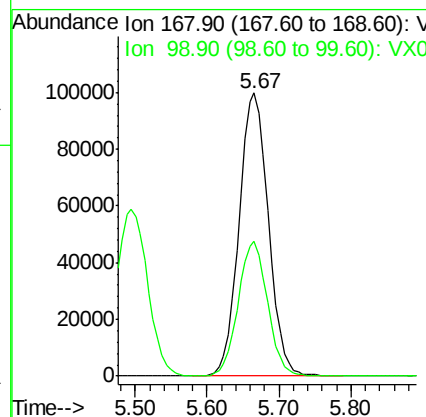
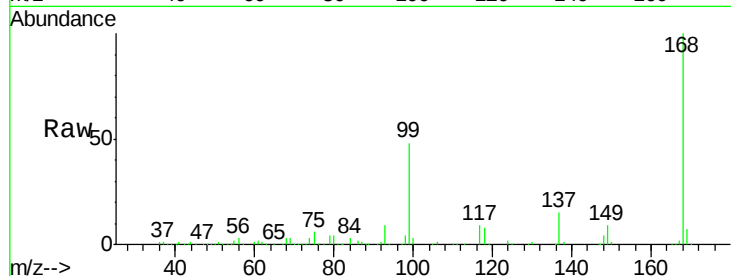
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampled :
ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
168	100	282638		
99	47.7	39.3	58.9	

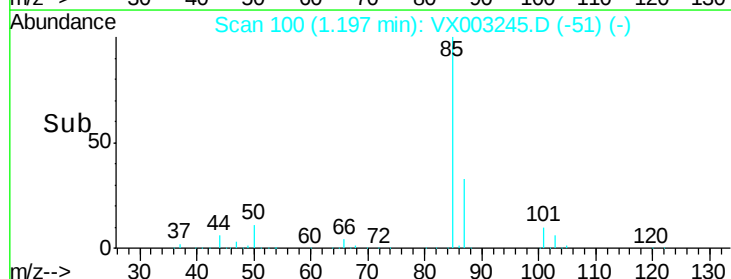
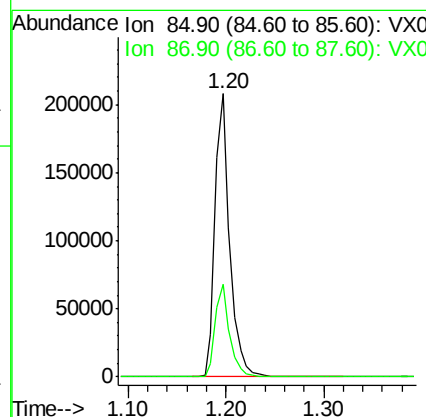
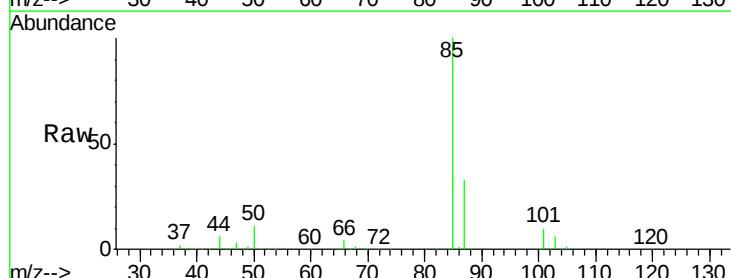
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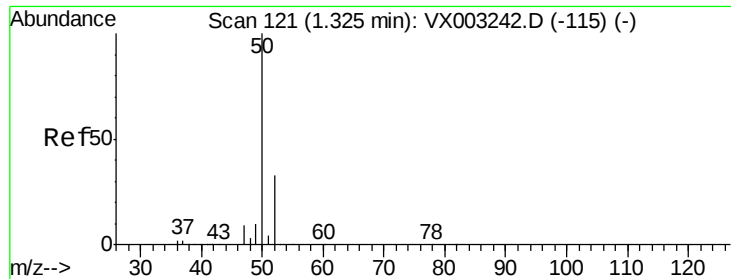
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#2
Dichlorodifluoromethane
Concen: 50.45 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	216771		
87	32.7	16.0	47.9	





#3

Chloromethane

Concen: 45.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 50 Resp: 176010

Ion Ratio Lower Upper

50 100

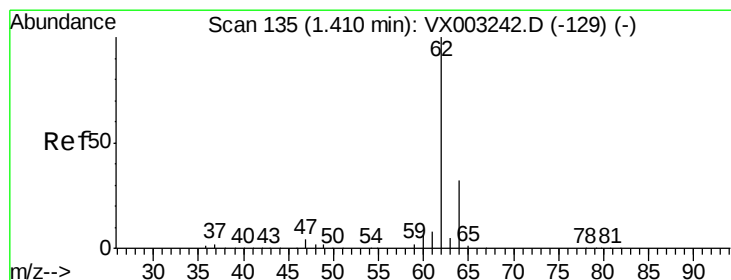
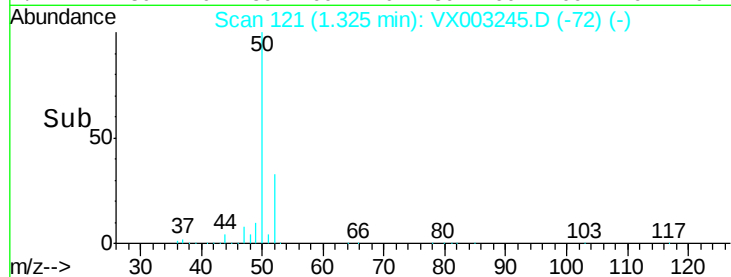
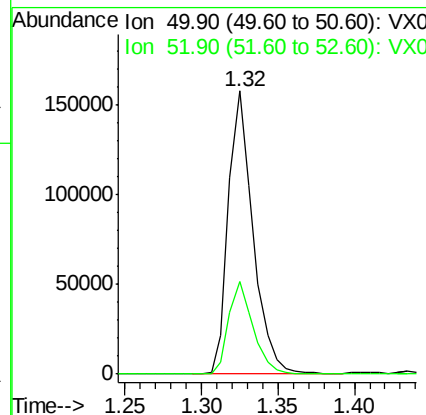
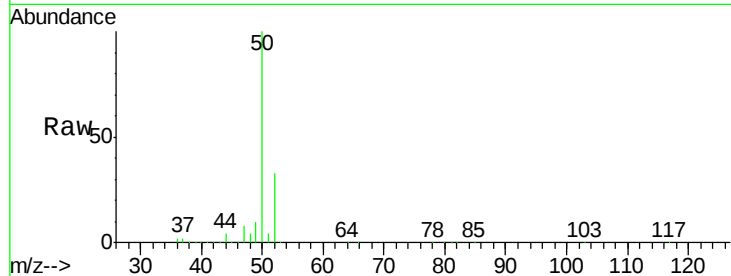
52 32.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.06 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003245.D

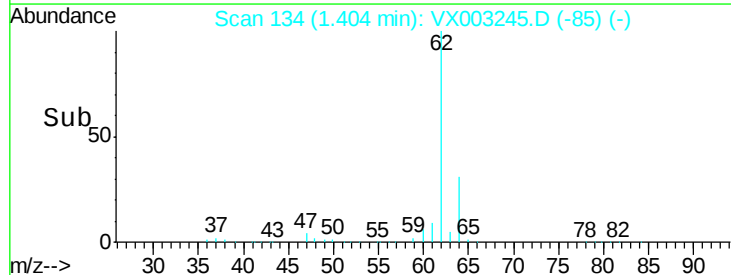
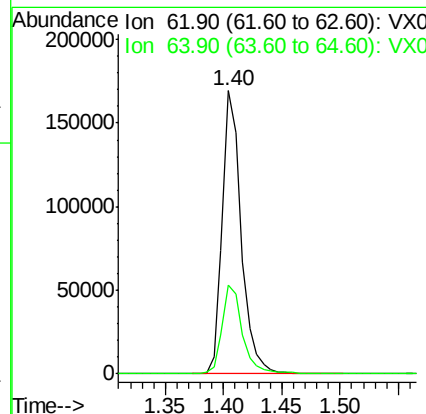
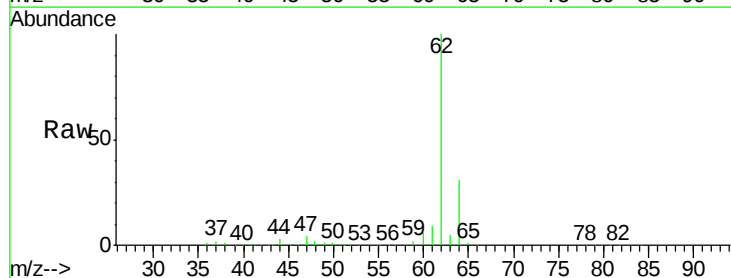
Acq: 09 Jul 2018 14:49

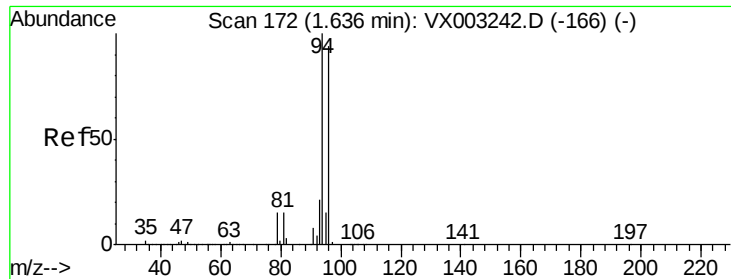
Tgt Ion: 62 Resp: 188724

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 55.37 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 94 Resp: 65570

Ion Ratio Lower Upper

94 100

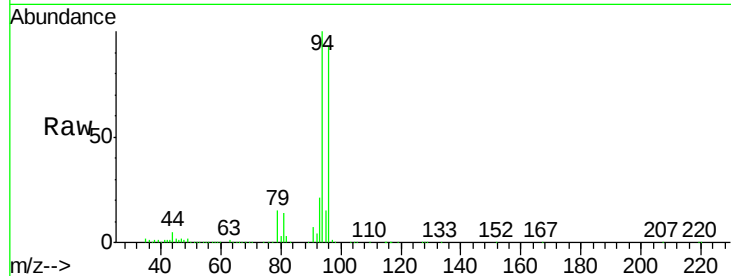
96 92.8 74.9 112.3

Manual Integrations

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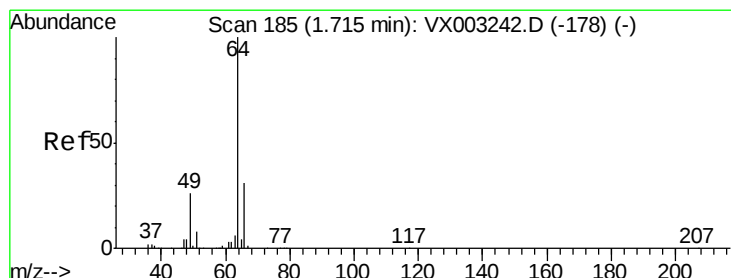
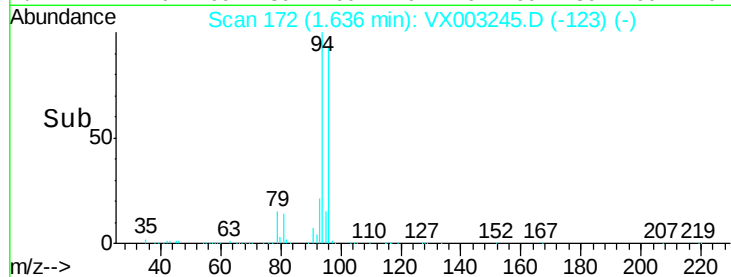
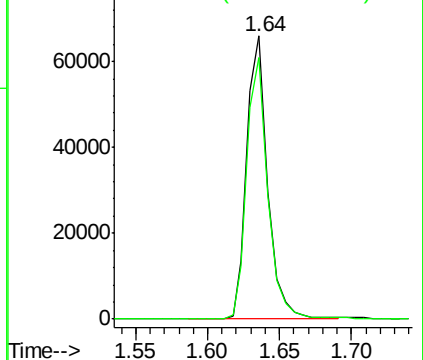
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.95 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.01 min

Lab File: VX003245.D

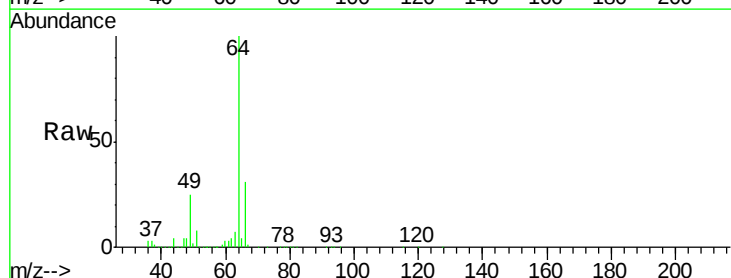
Acq: 09 Jul 2018 14:49

Tgt Ion: 64 Resp: 108751

Ion Ratio Lower Upper

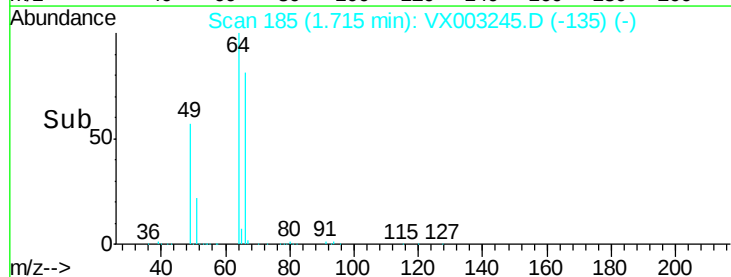
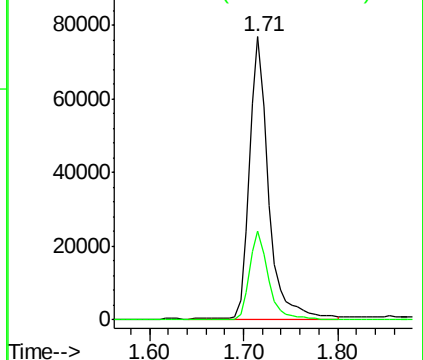
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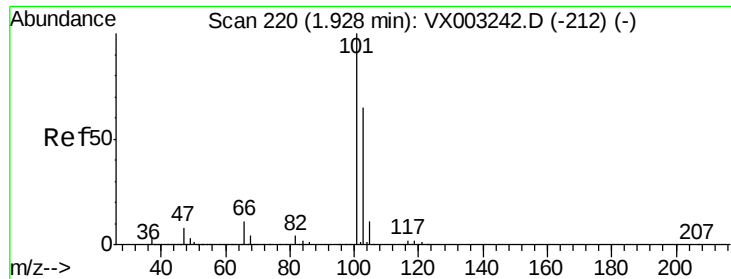
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

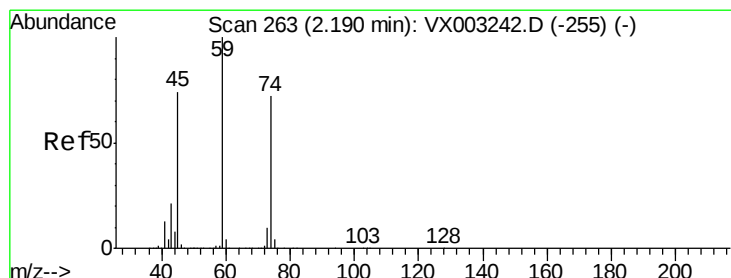
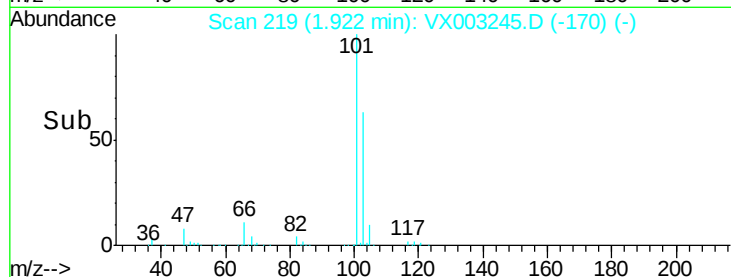
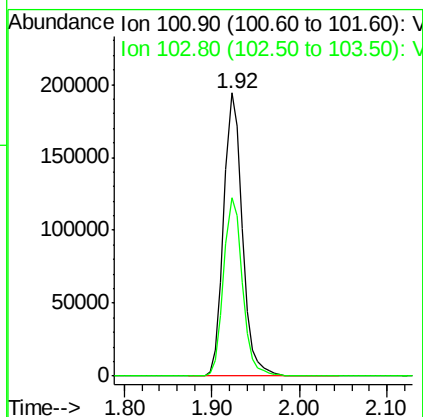
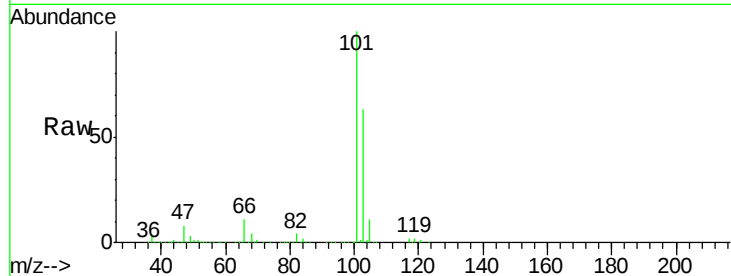
Trichlorofluoromethane
 Concen: 47.95 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
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 ClientSampleId :
 ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
101	100	285835		
103	63.0	52.8	79.2	

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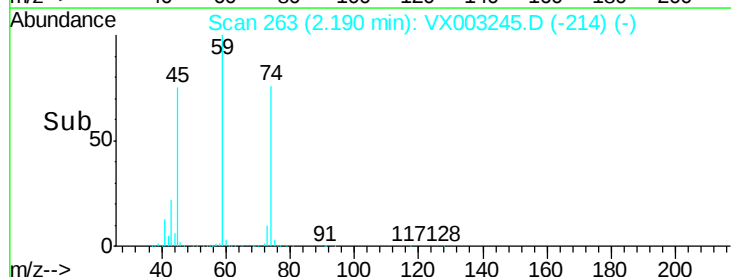
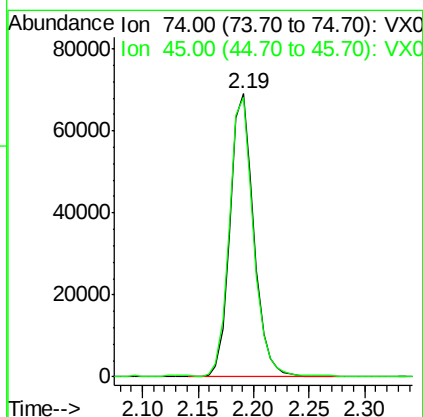
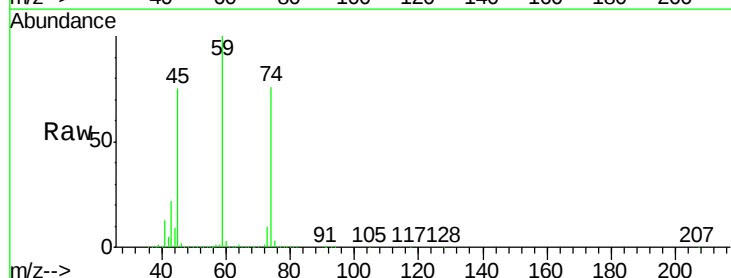
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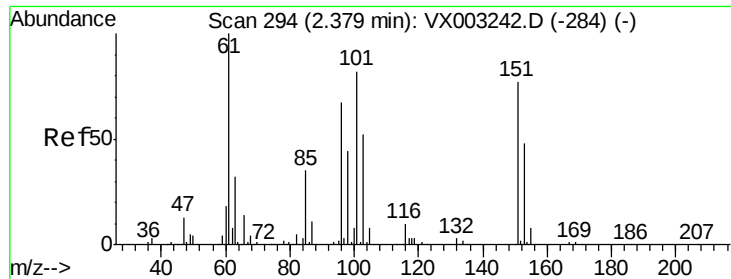


#8

Diethyl Ether
 Concen: 47.23 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	101765		
45	99.6	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.11 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

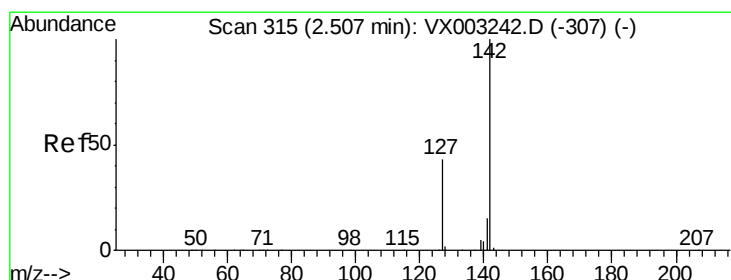
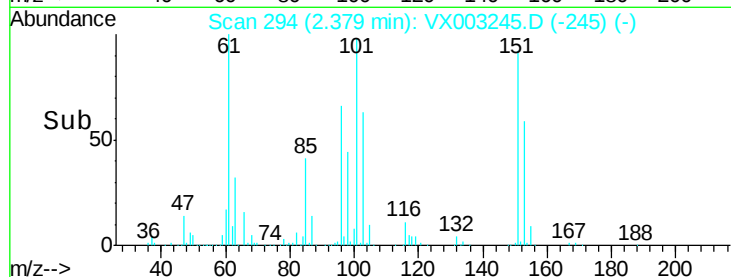
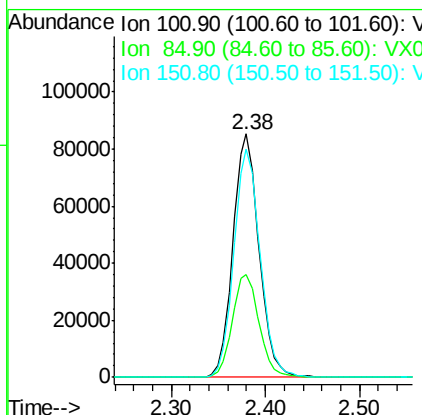
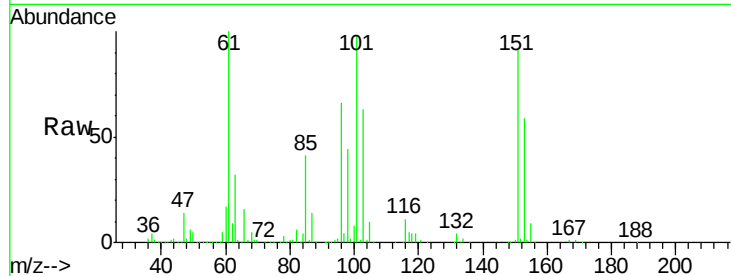
ClientSampleId :

ICVVX070918

Tot Ion:	101	Resp:	164410
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	94.4	70.9	106.3

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#10

Methyl Iodide

Concen: 33.95 ug/l

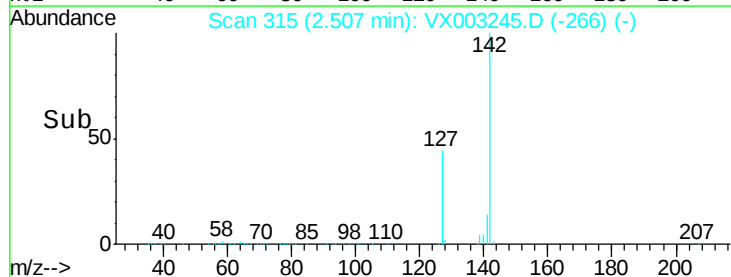
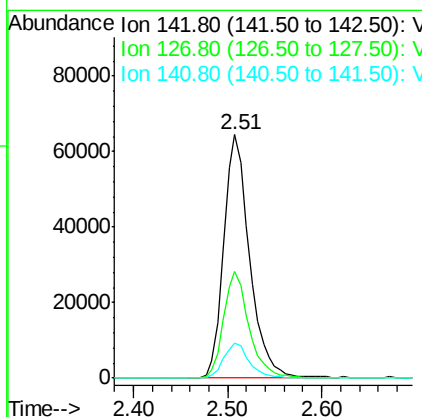
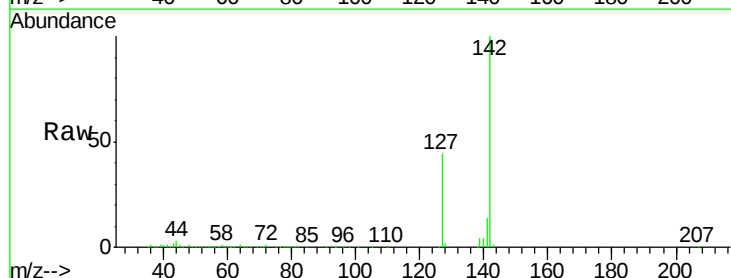
RT: 2.51 min Scan# 315

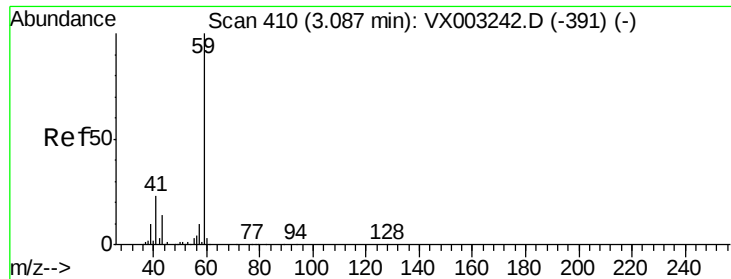
Delta R.T. 0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion:	142	Resp:	122934
Ion Ratio	Lower	Upper	
142	100		
127	43.3	36.6	55.0
141	14.4	11.3	16.9





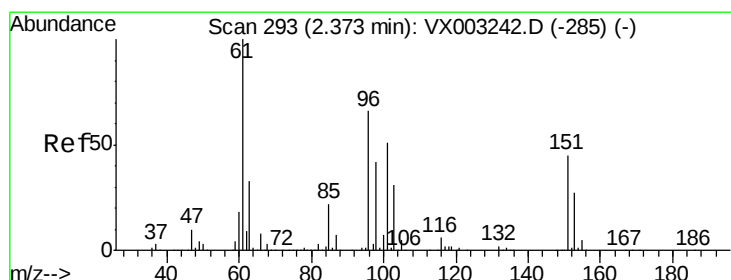
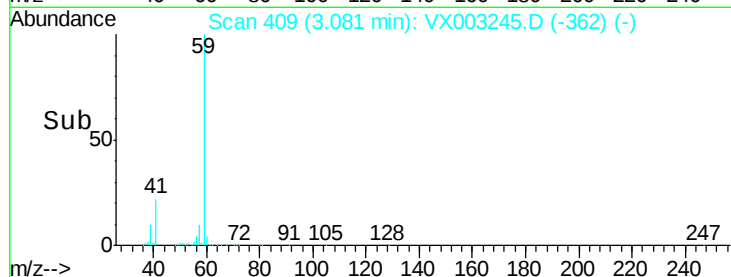
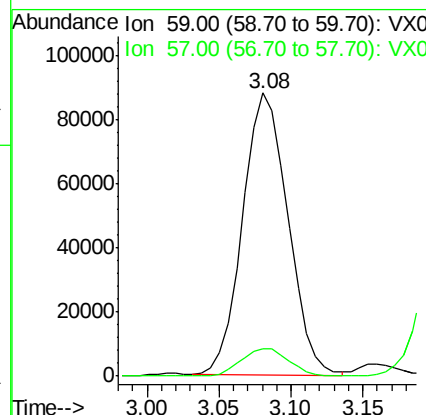
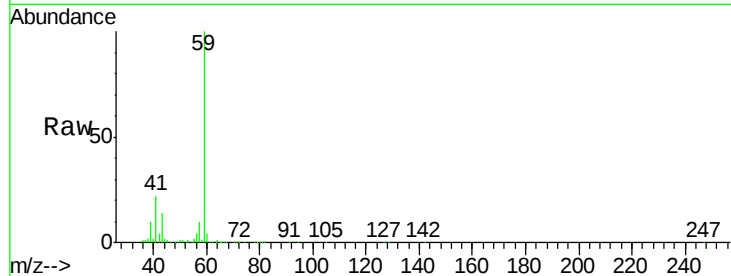
#11
Tert butyl alcohol
Concen: 237.98 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	59	Resp	191913
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

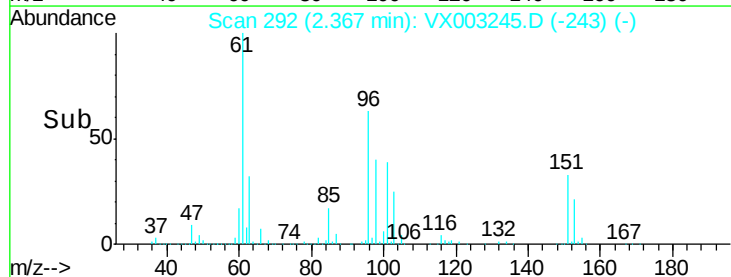
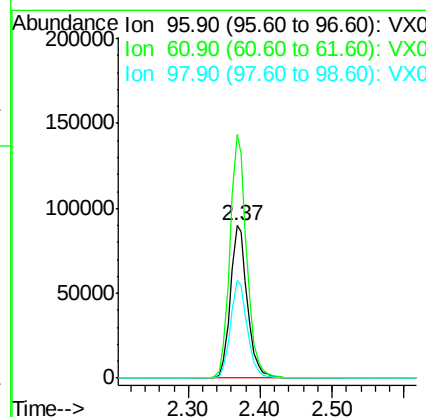
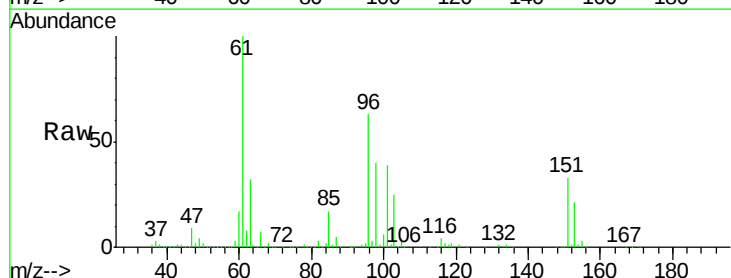
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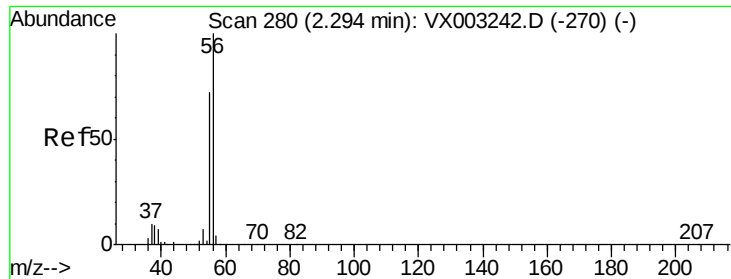
MMDadoda
7/10/2018 3:11:46 PM



#12
1,1-Dichloroethene
Concen: 46.53 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	96	Resp	147780
Ion Ratio	100	Lower	Upper
61	159.8	137.9	206.9
98	63.9	51.6	77.4





#13

Acrolein

Concen: 214.12 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 56 Resp: 139142

Ion Ratio Lower Upper

56 100

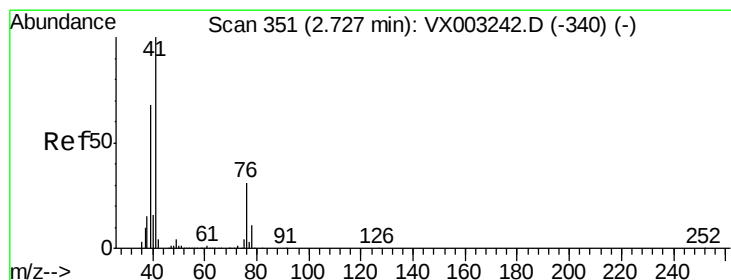
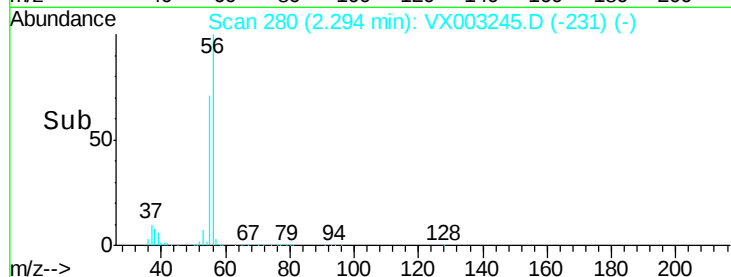
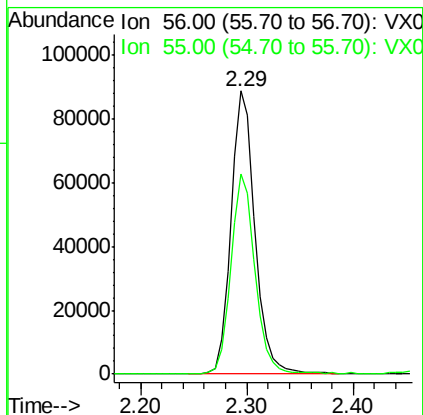
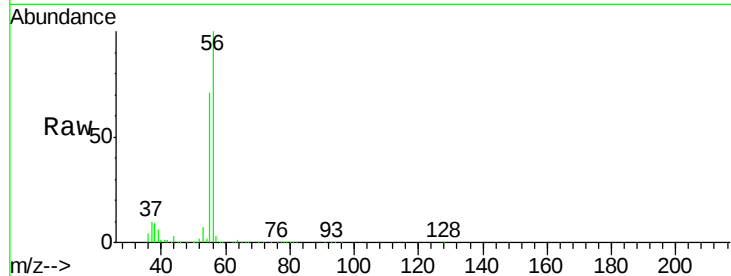
55 71.2 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 48.03 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

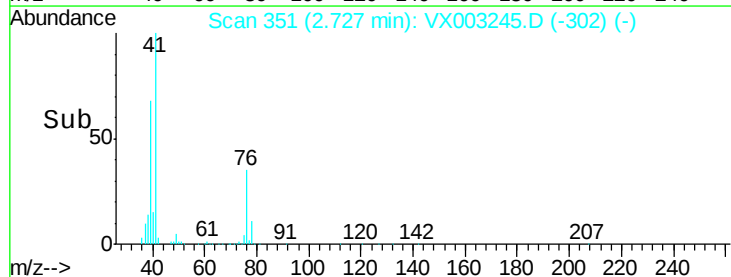
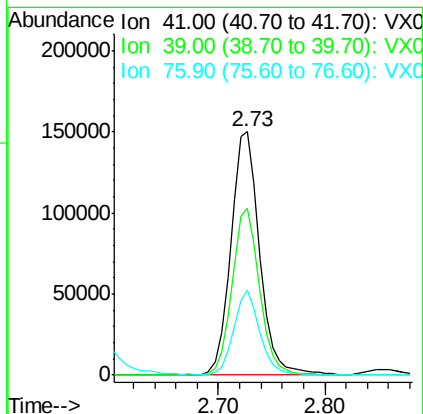
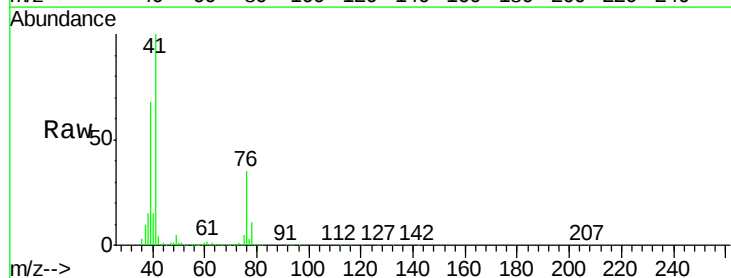
Tgt Ion: 41 Resp: 282567

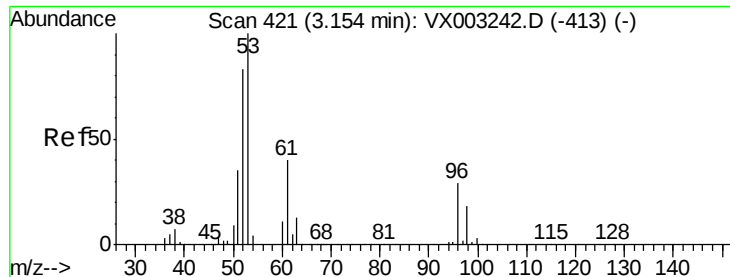
Ion Ratio Lower Upper

41 100

39 65.6 56.8 85.2

76 31.6 23.8 35.8





#15

Acrylonitrile

Concen: 231.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

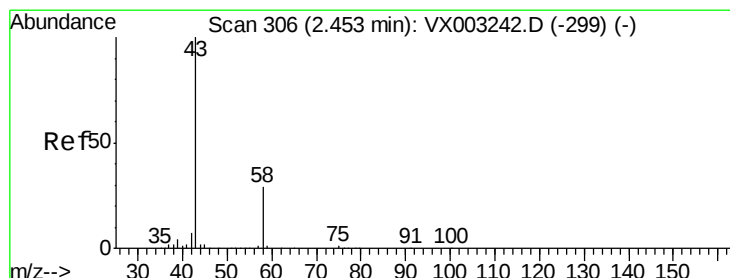
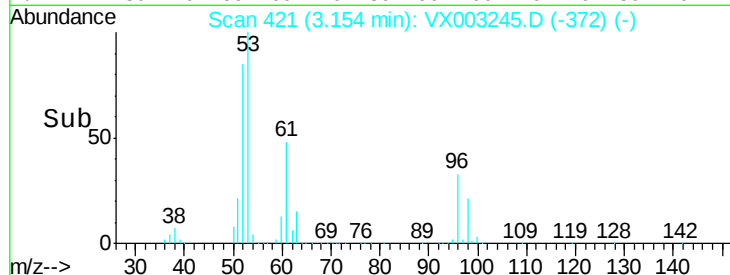
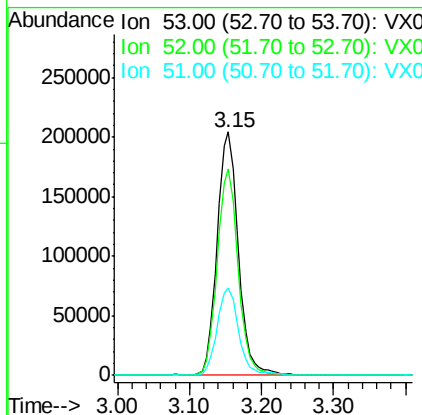
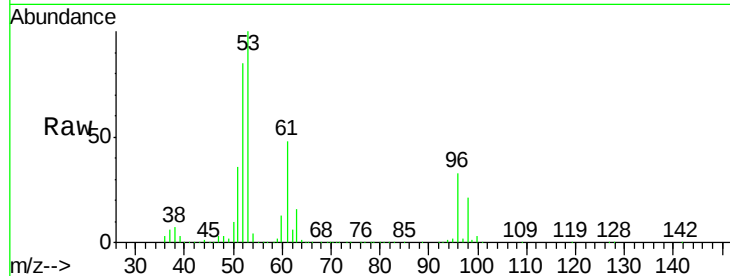
ClientSampleId :

ICVVX070918

Tot Ion:	53	Resp:	417172
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.7	100.1
51	36.6	29.9	44.9

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#16

Acetone

Concen: 239.19 ug/l

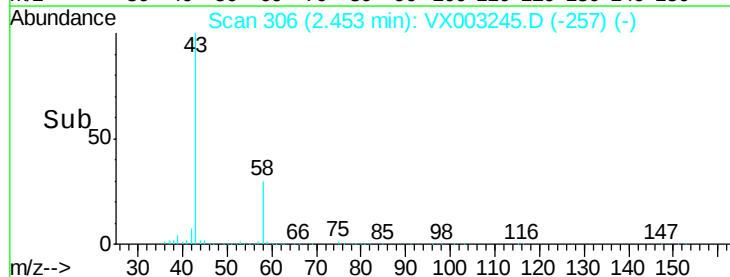
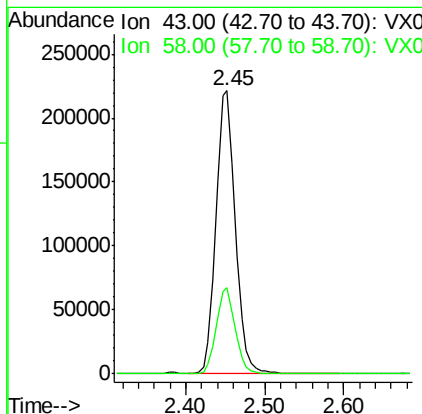
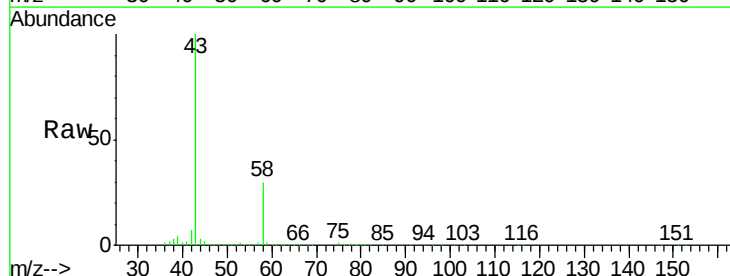
RT: 2.45 min Scan# 306

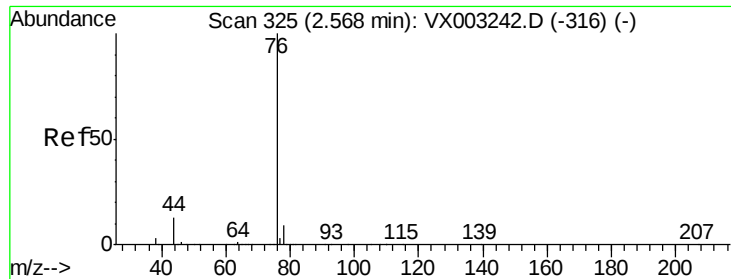
Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion:	43	Resp:	377728
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.1	33.1





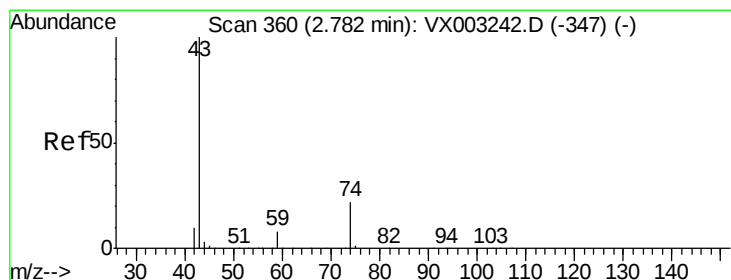
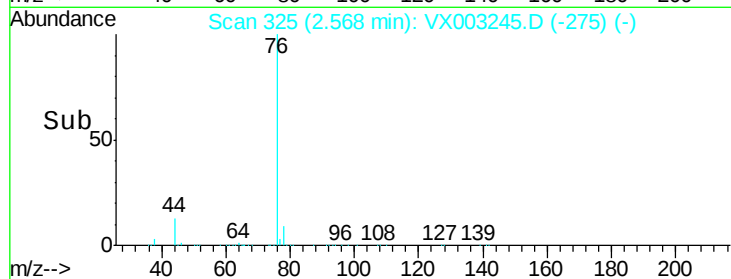
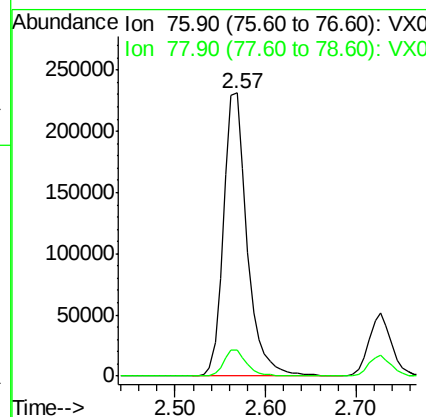
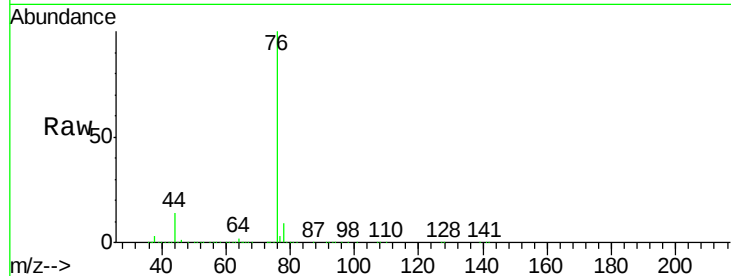
#17
Carbon Disulfide
Concen: 47.72 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

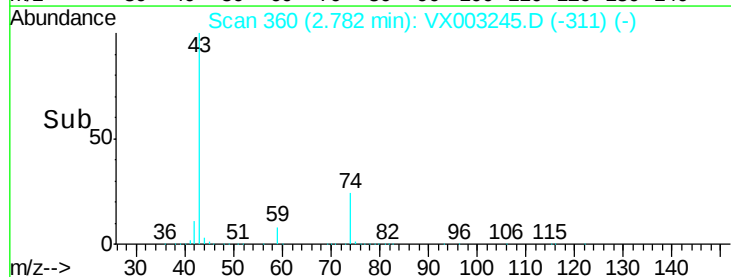
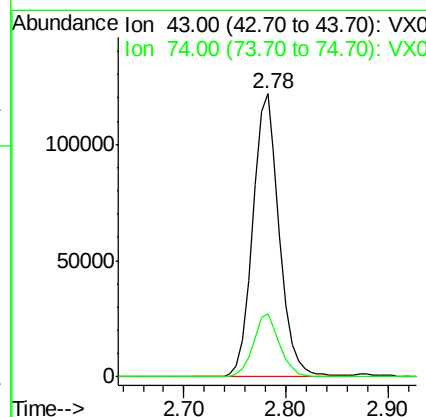
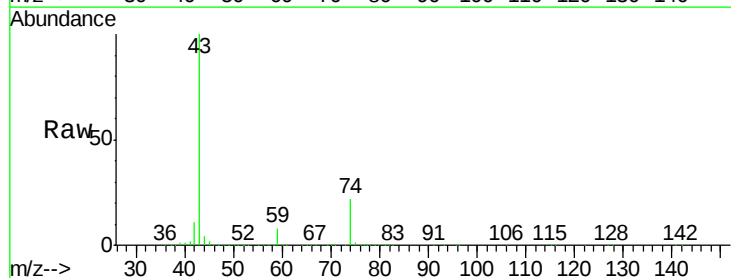
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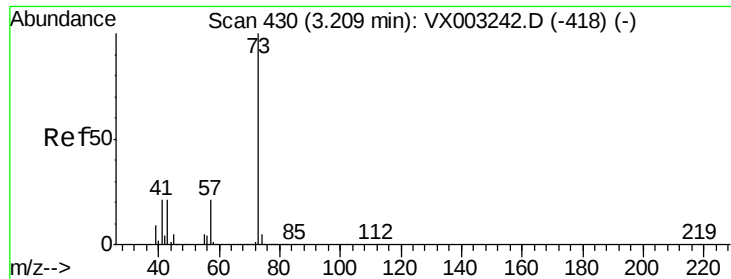
MMDadoda
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#18
Methyl Acetate
Concen: 49.11 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1





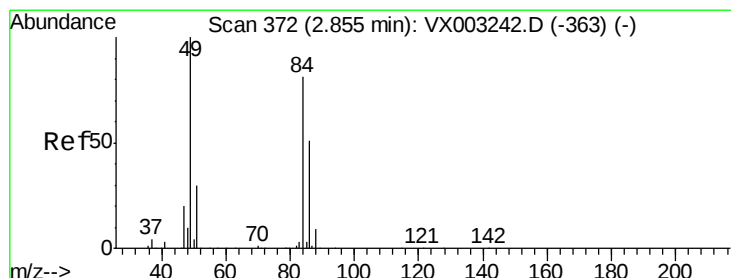
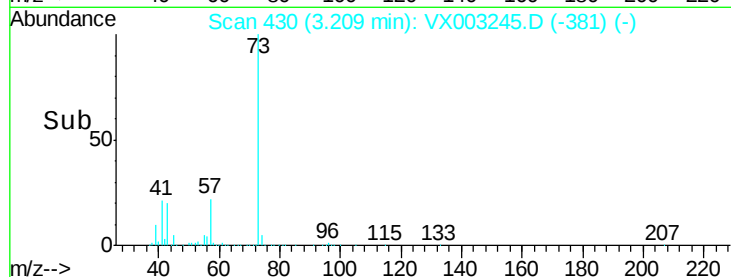
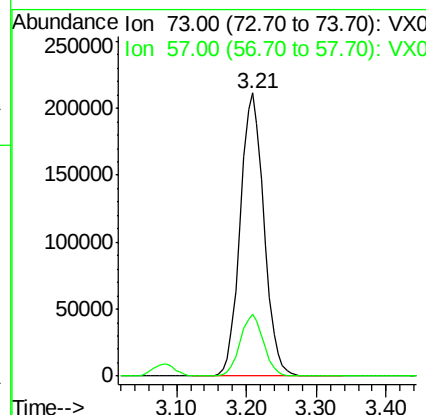
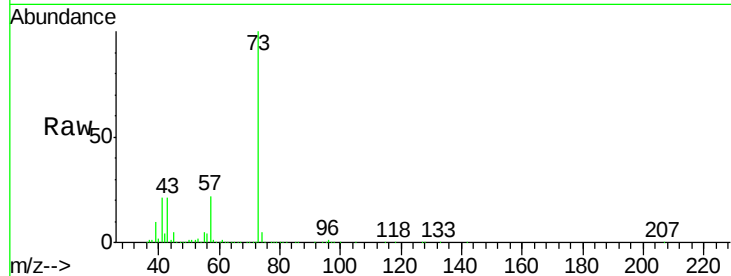
#19
Methvl tert-butvl Ether
Concen: 46.93 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

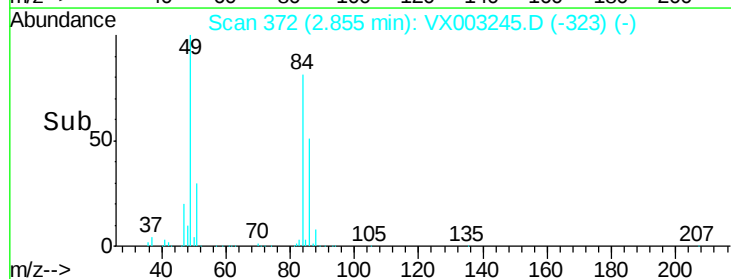
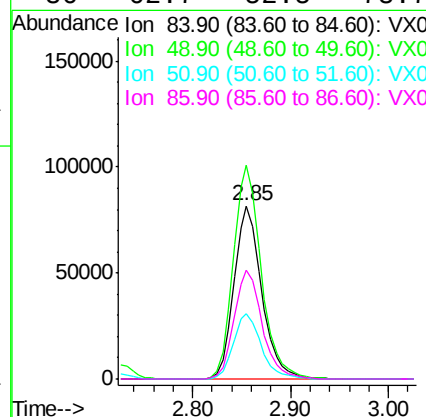
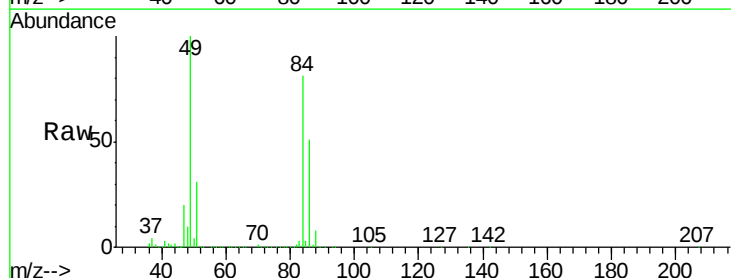
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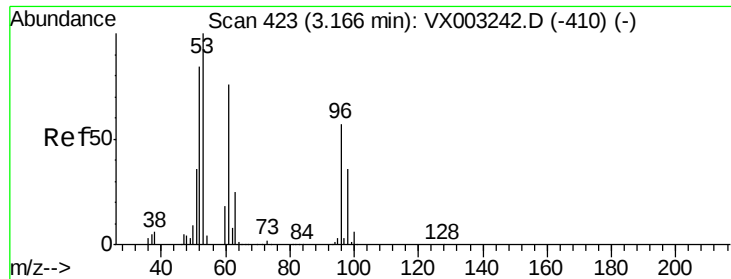
MMDadoda
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#20
Methylene Chloride
Concen: 49.54 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	107.8	161.6
51	37.5	32.8	49.2
86	62.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 46.79 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

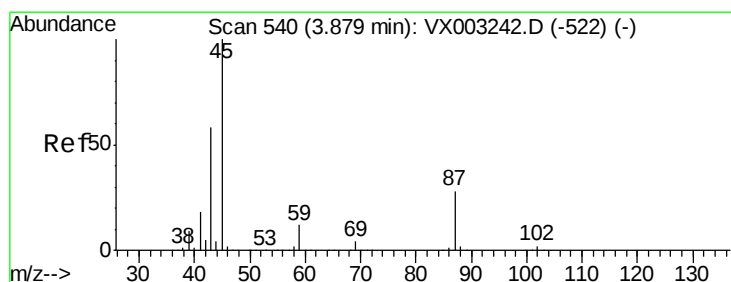
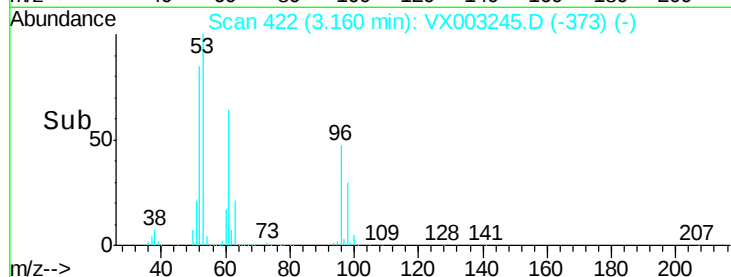
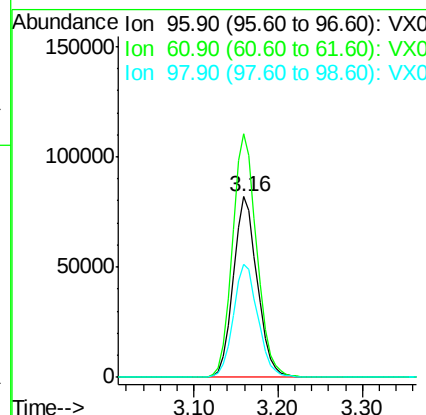
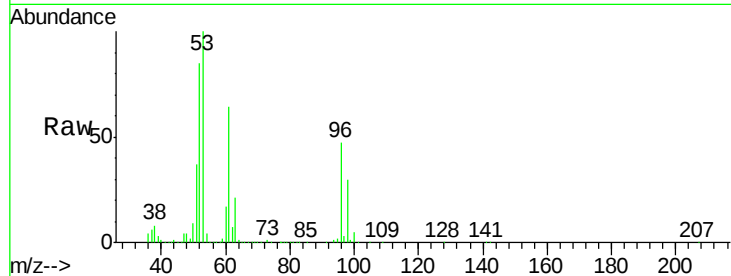
ClientSampleId :

ICVVX070918

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	117.0	175.4
98	62.9	52.4	78.6

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#22

Diisopropyl ether

Concen: 42.99 ug/l

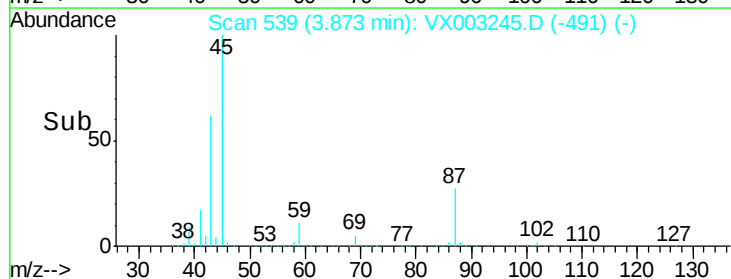
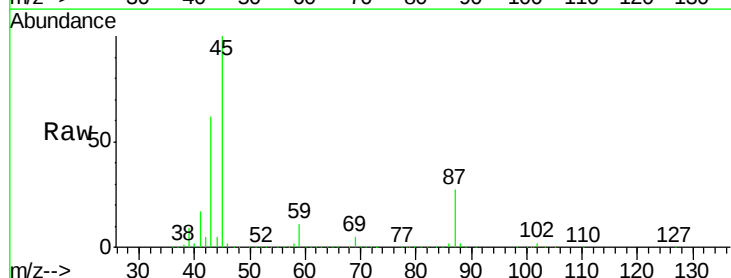
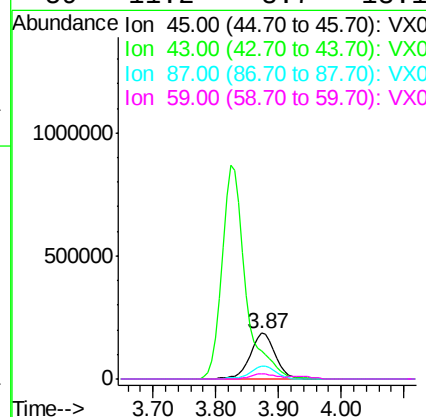
RT: 3.87 min Scan# 539

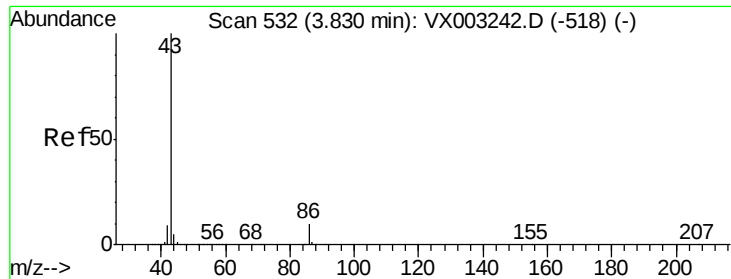
Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	46.8	70.2
87	26.8	20.2	30.4
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 222.23 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 43 Resp: 2258225

Ion Ratio Lower Upper

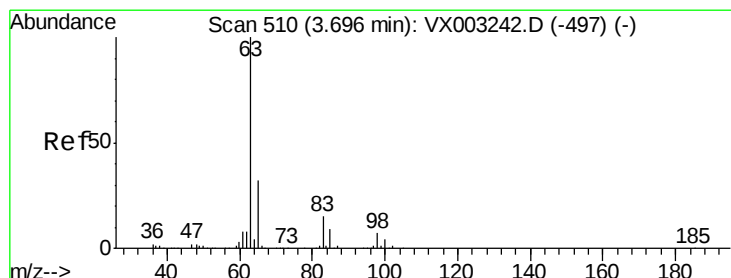
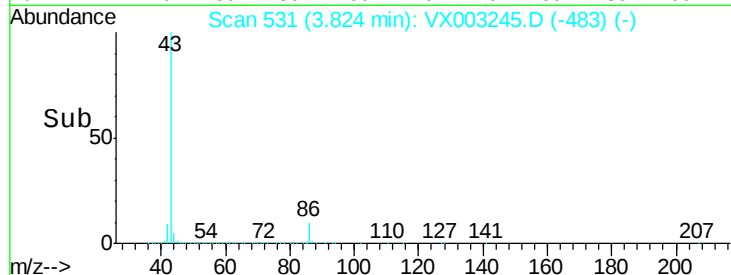
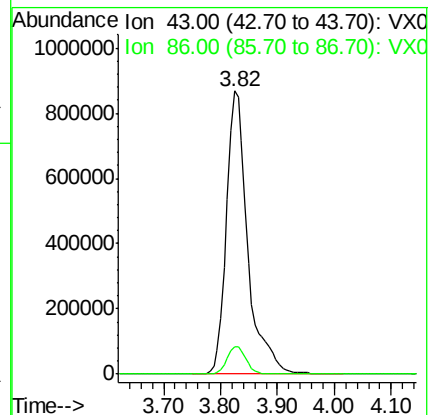
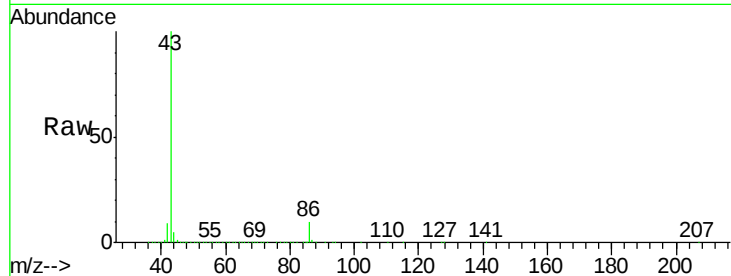
43 100

86 9.7 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 45.99 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

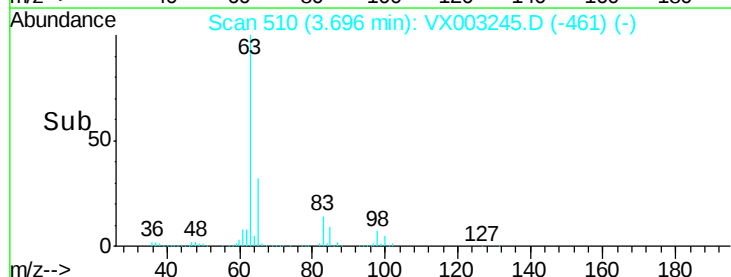
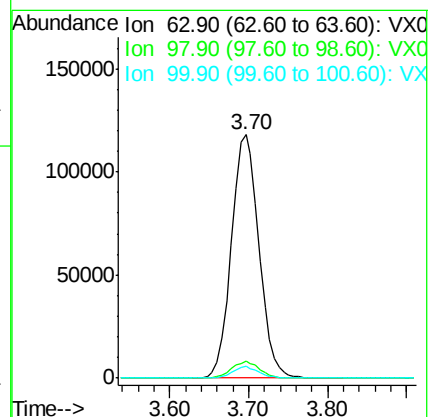
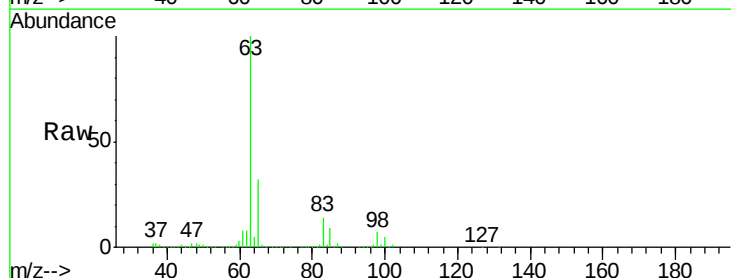
Tgt Ion: 63 Resp: 286485

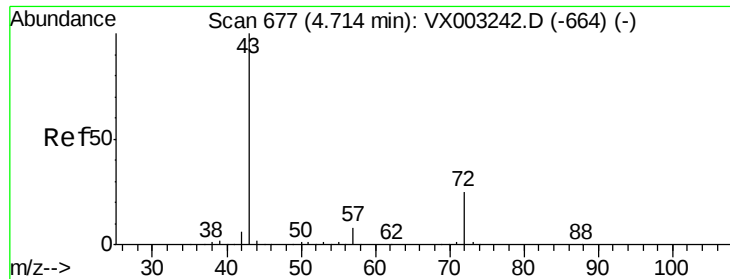
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 233.28 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 43 Resp: 651866

Ion Ratio Lower Upper

43 100

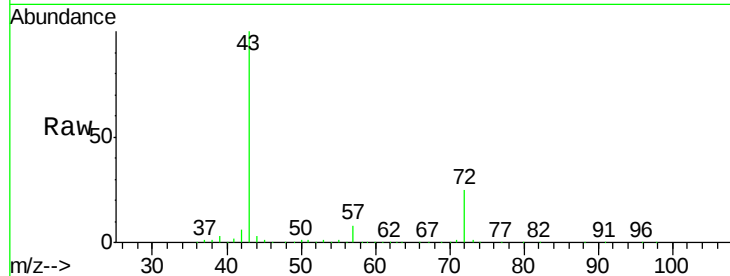
72 24.5 18.5 27.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

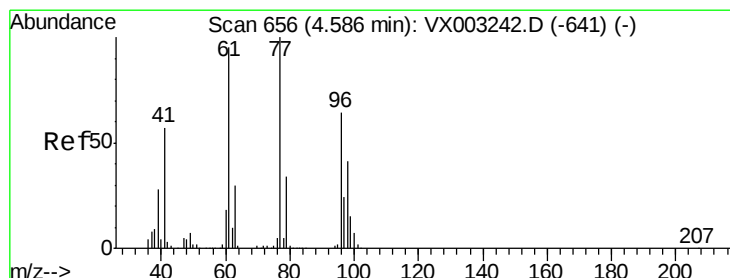
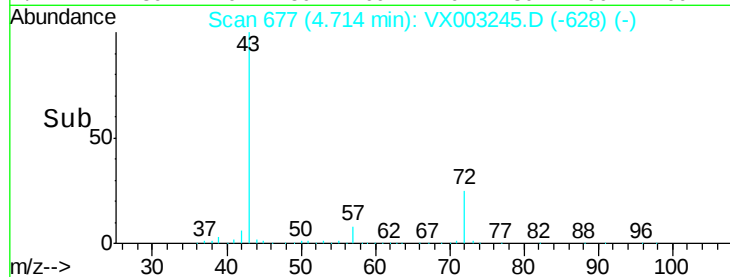
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.15 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003245.D

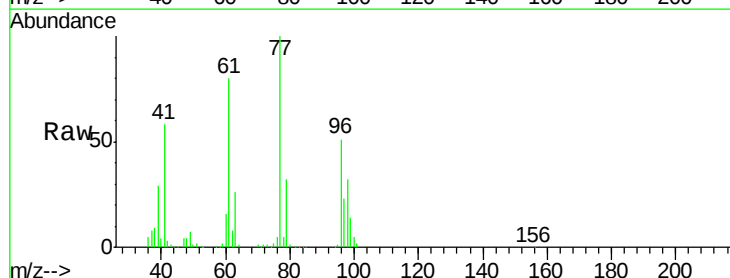
Acq: 09 Jul 2018 14:49

Tgt Ion: 77 Resp: 262354

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

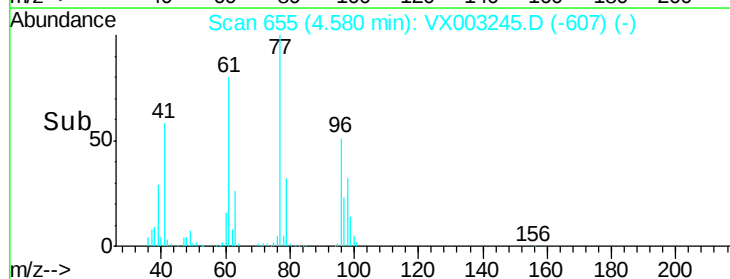
40000

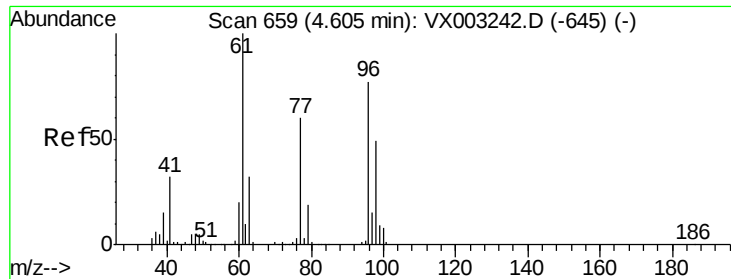
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

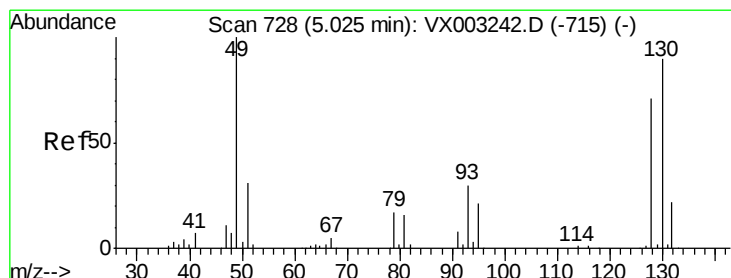
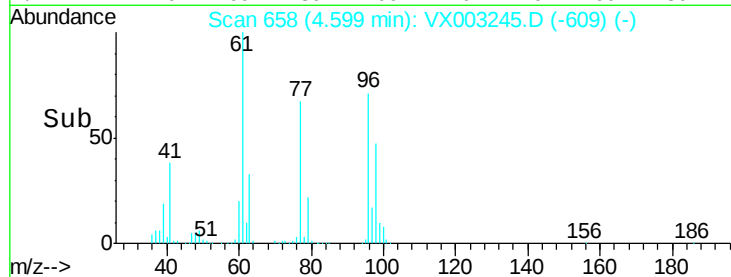
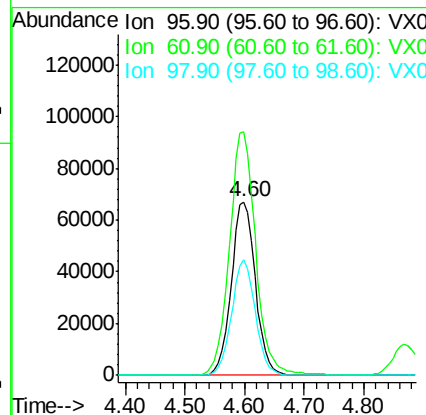
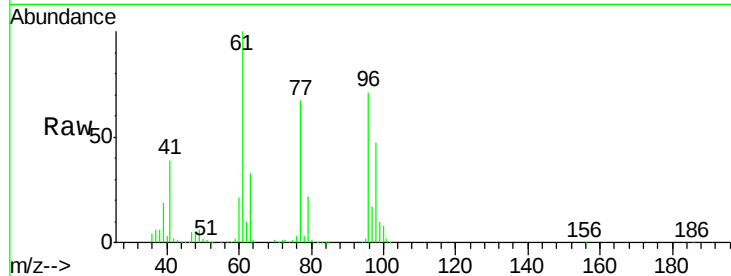
cis-1,2-Dichloroethene
Concen: 45.10 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187653		
61	153.6	0.0	330.2	
98	65.5	0.0	130.2	

Manual Integrations
APPROVED

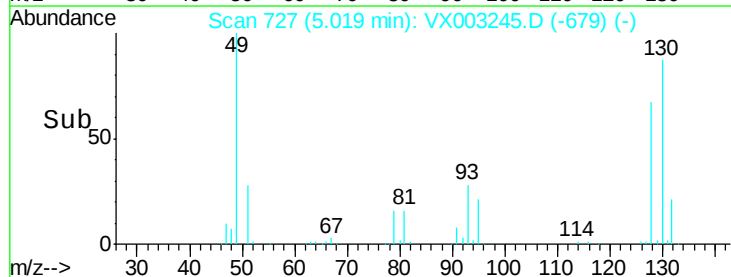
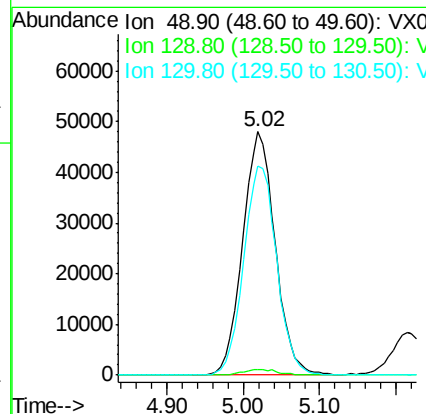
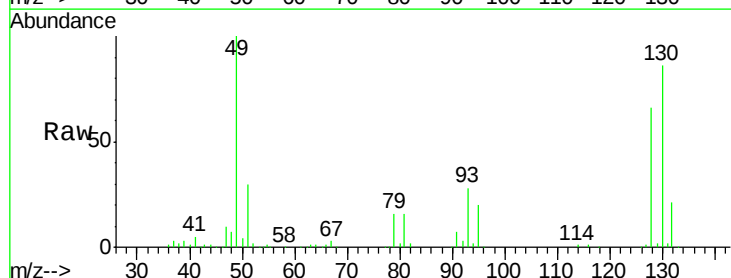
MMDadoda
7/10/2018 3:11:46 PM

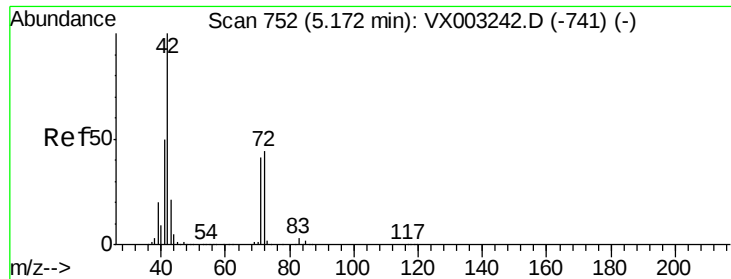


#28

Bromochloromethane
Concen: 45.10 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	141546		
129	2.4	0.0	4.2	
130	87.2	61.2	91.8	





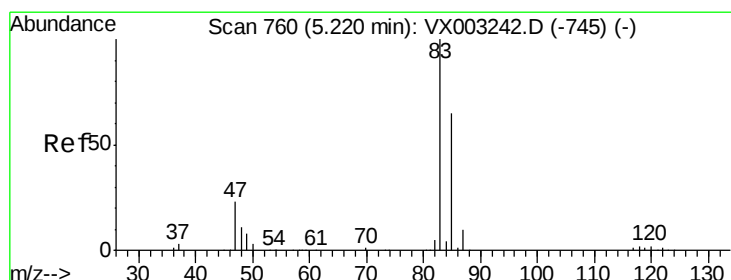
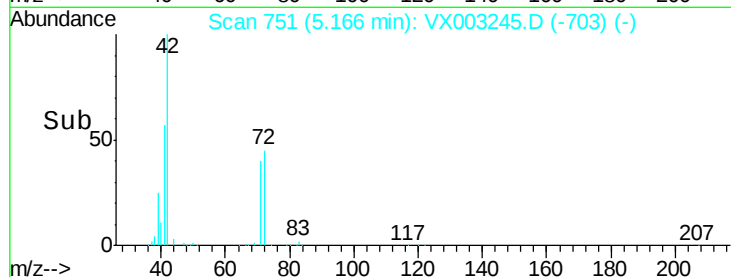
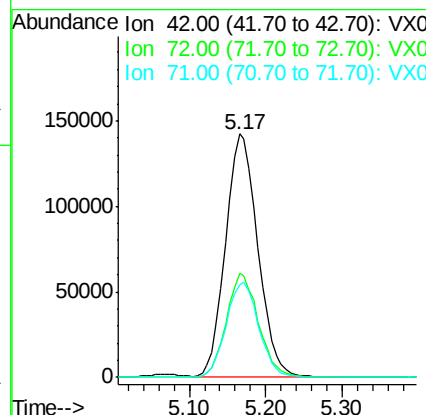
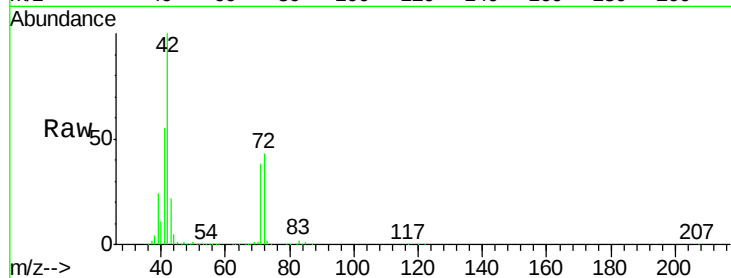
#29
Tetrahydrofuran
Concen: 228.71 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.0	48.0
71	39.5	30.1	45.1

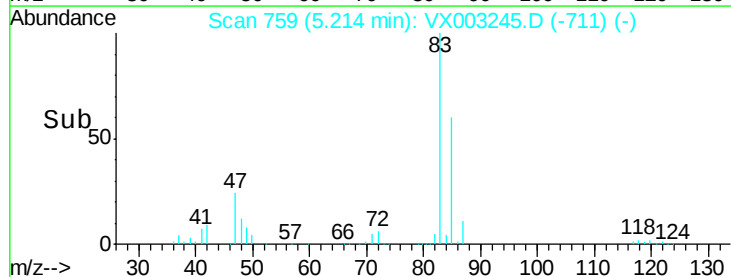
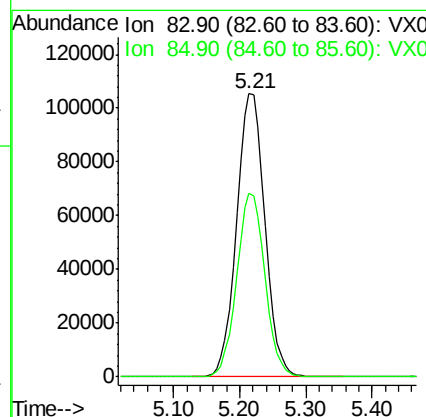
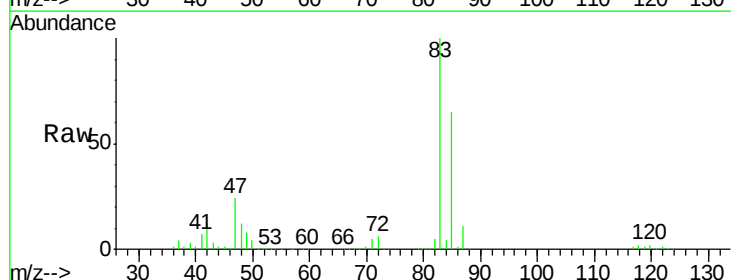
Manual Integrations
APPROVED

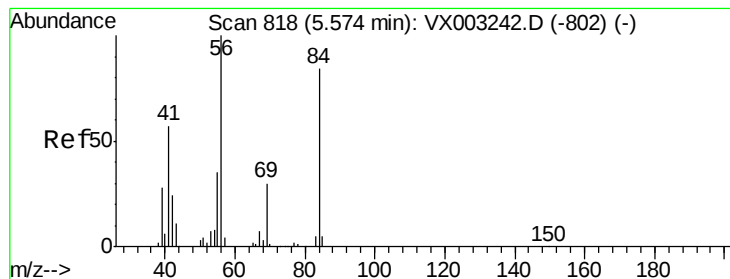
MMDadoda
7/10/2018 3:11:46 PM



#30
Chloroform
Concen: 45.57 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.4	75.6





#31

Cyclohexane

Concen: 47.41 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 56 Resp: 276549

Ion Ratio Lower Upper

56 100

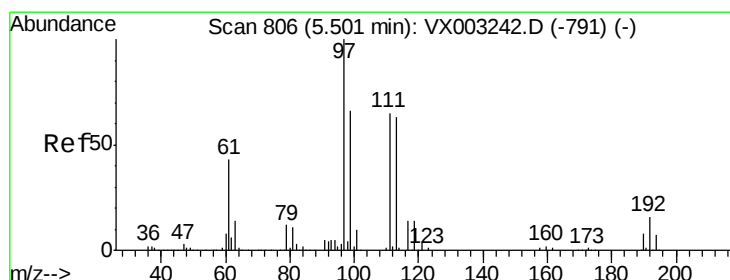
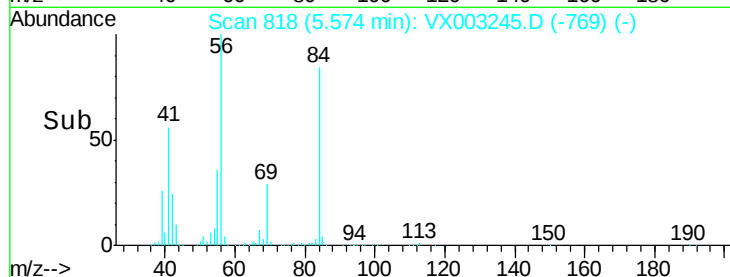
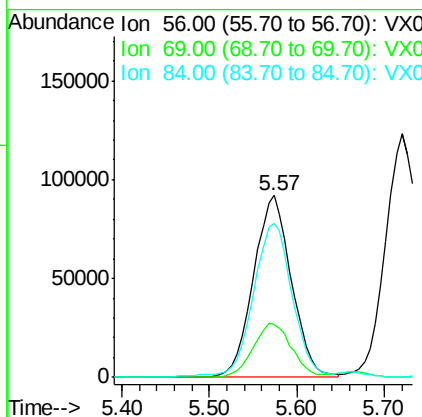
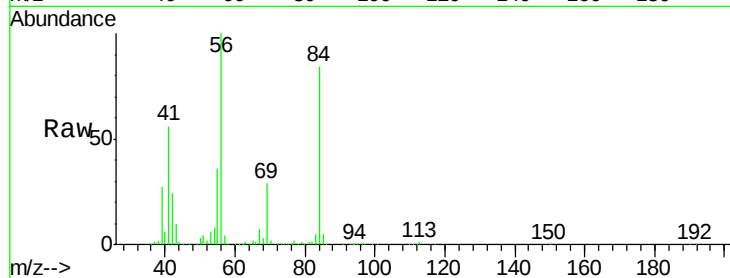
69 29.2 23.7 35.5

84 83.4 64.1 96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.67 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

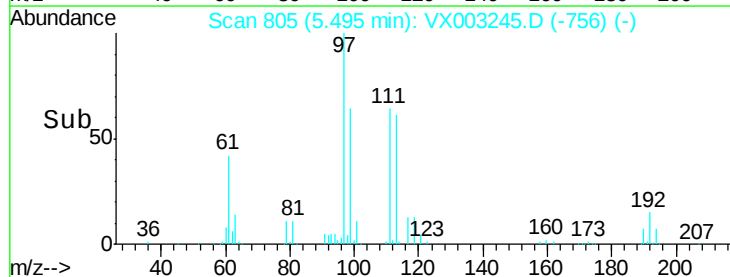
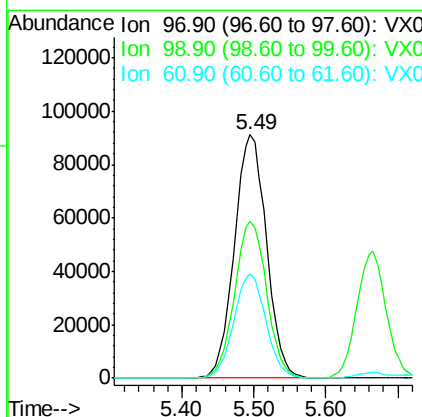
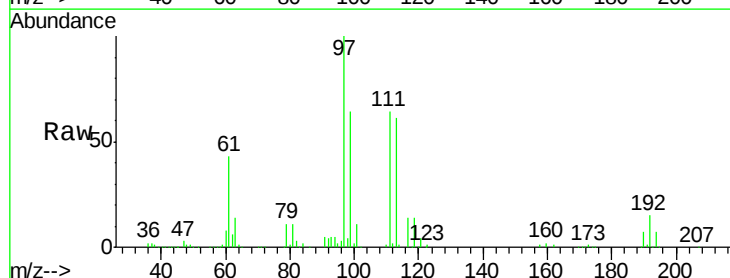
Tgt Ion: 97 Resp: 282111

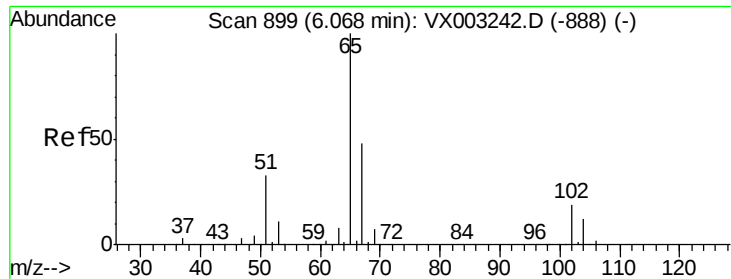
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.7 36.4 54.6





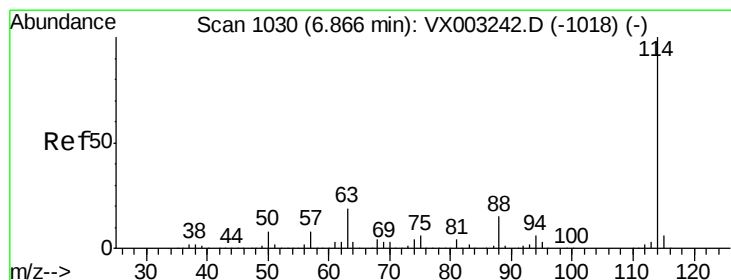
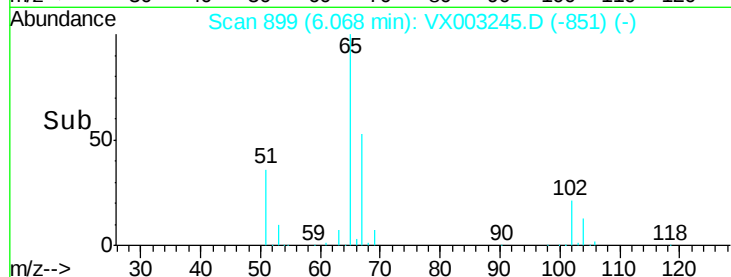
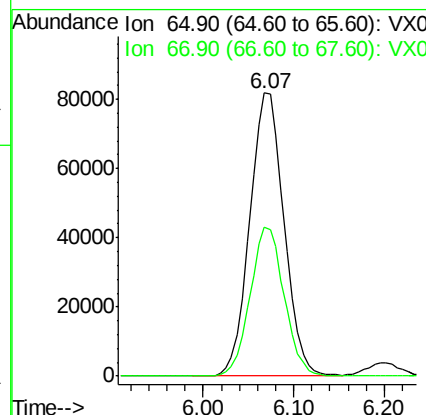
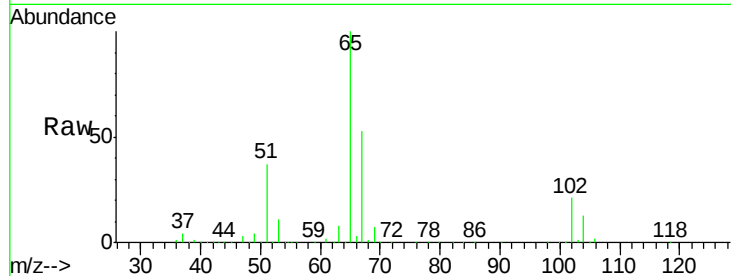
#33
 1,2-Dichloroethane-d4
 Concen: 47.98 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213406		
67	52.4	0.0	102.6	

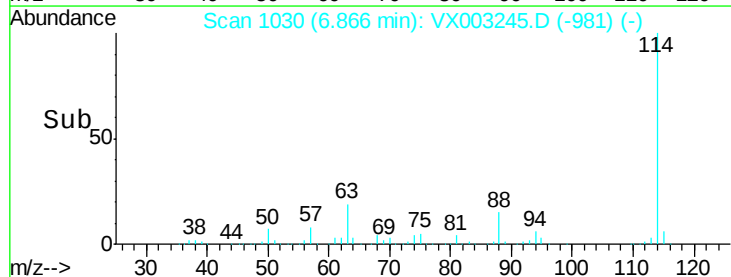
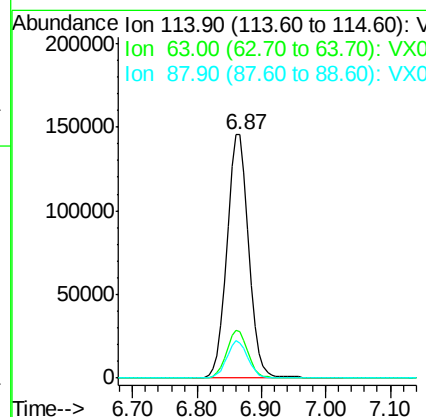
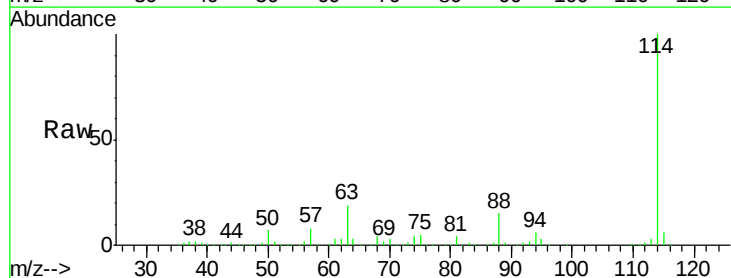
Manual Integrations
 APPROVED

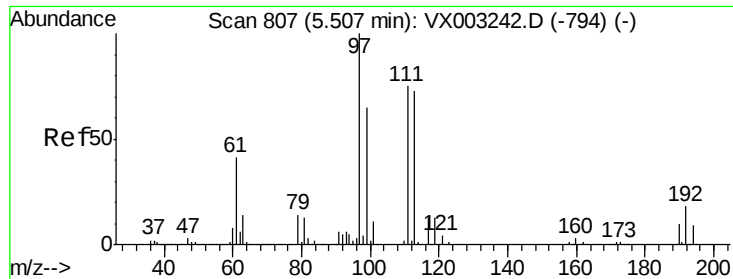
MMDadoda
 7/10/2018 3:11:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348429		
63	18.8	0.0	41.4	
88	14.6	0.0	30.0	





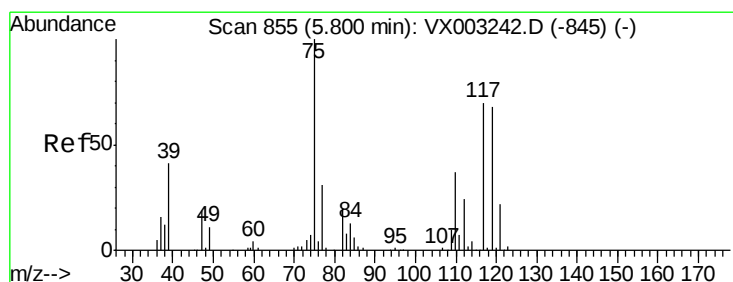
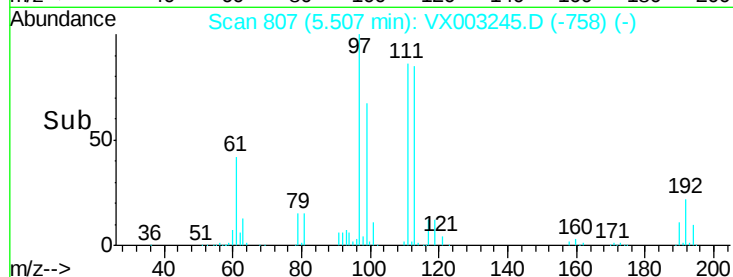
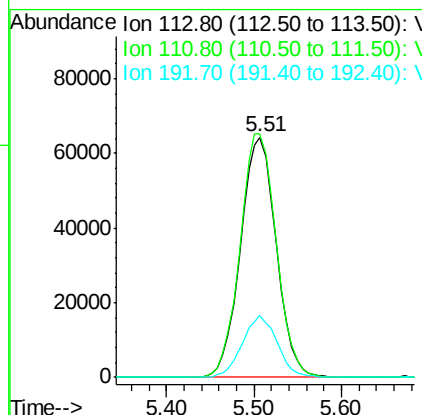
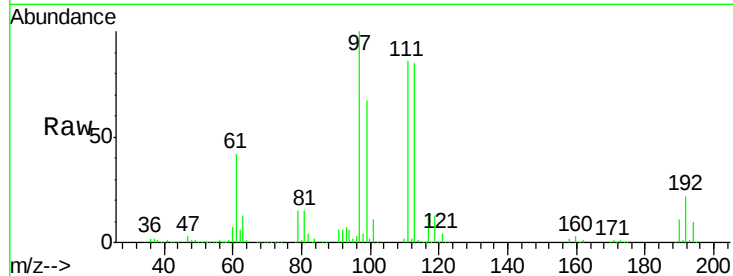
#35
Dibromofluoromethane
Concen: 48.63 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182025		
111	103.0	81.4	122.0	
192	25.1	19.1	28.7	

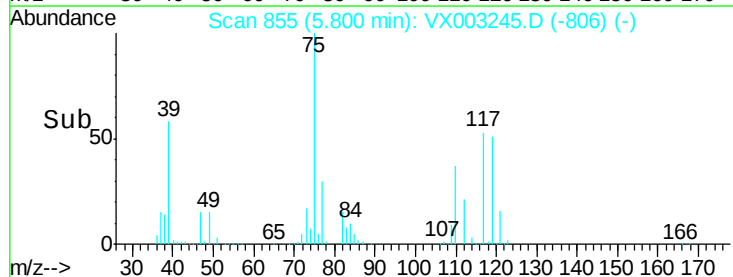
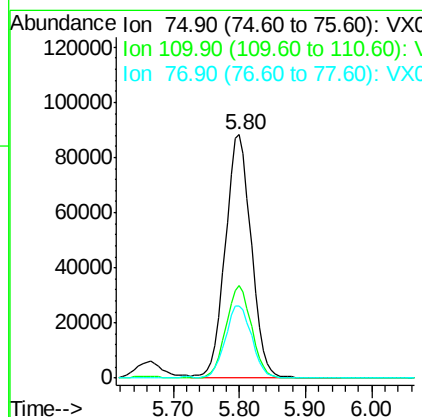
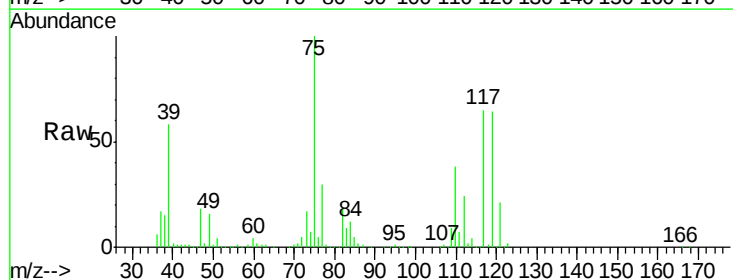
Manual Integrations
APPROVED

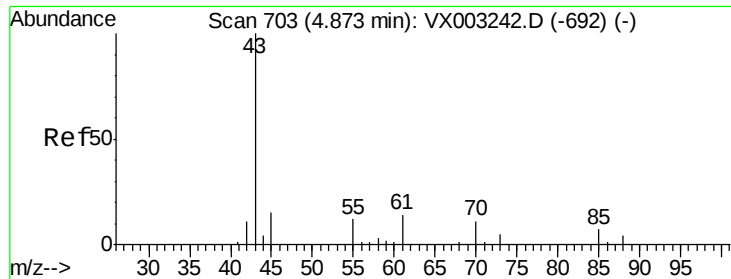
MMDadoda
7/10/2018 3:11:46 PM



#36
1,1-Dichloropropene
Concen: 48.58 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	239615		
110	37.5	18.1	54.4	
77	30.1	24.3	36.5	





#37

Ethyl Acetate

Concen: 45.96 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

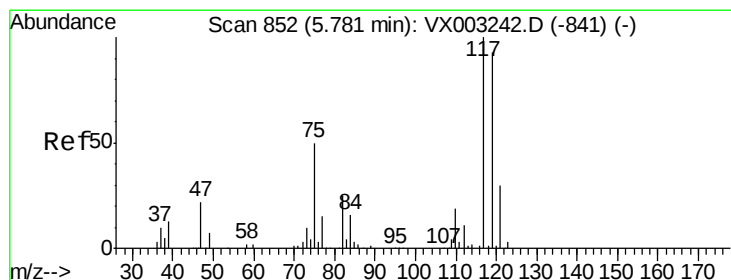
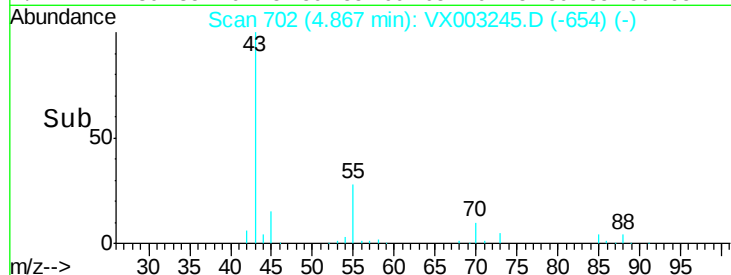
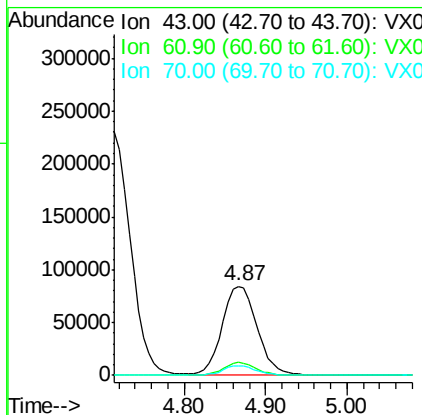
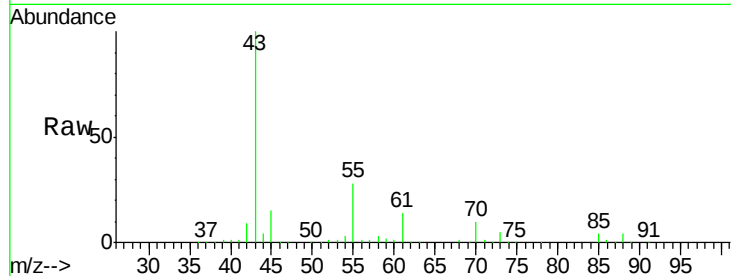
ClientSampleId :

ICVVX070918

Tot Ion:	43	Resp:	248543
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	10.5	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.06 ug/l

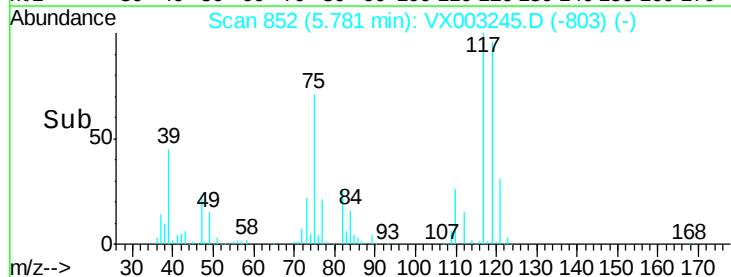
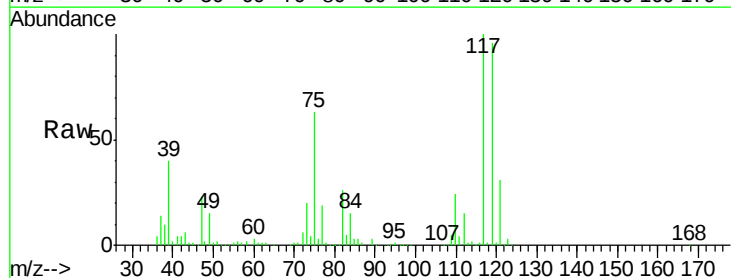
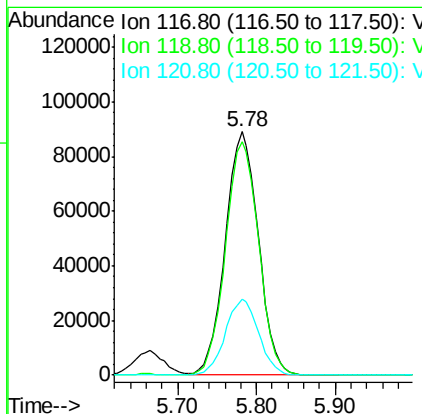
RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion:	117	Resp:	259313
Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
121	31.0	24.4	36.6





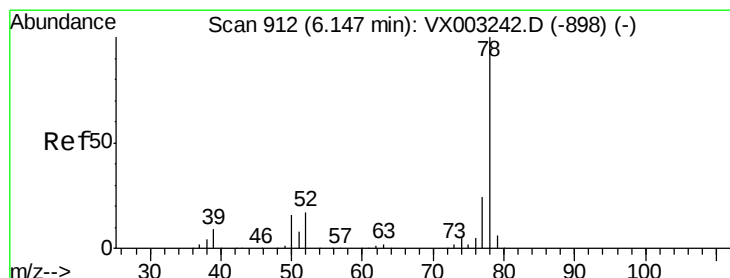
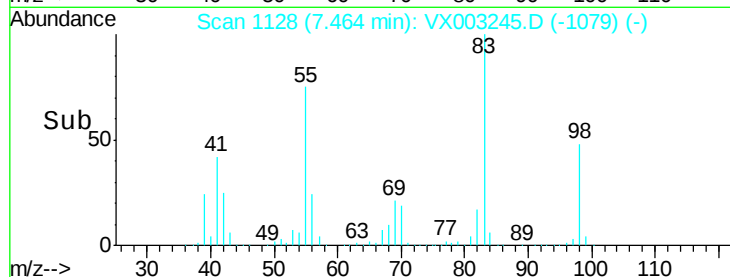
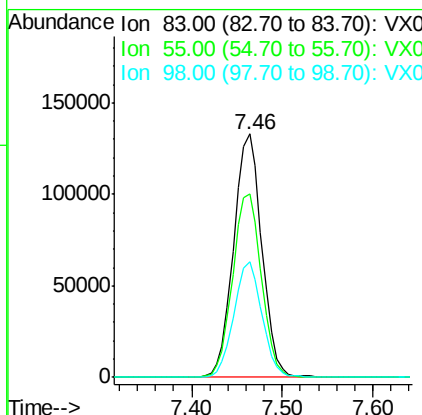
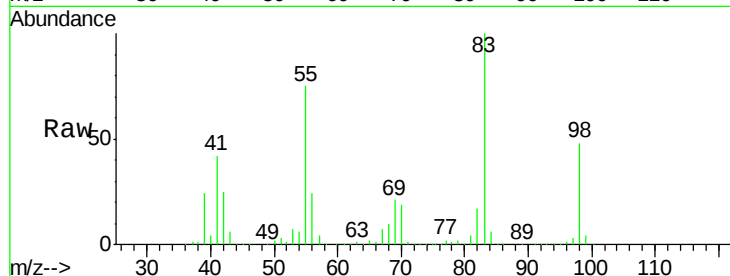
#39
Methvlcvclohexane
Concen: 49.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	83	Resp	287328
Ion Ratio	100	Lower	Upper
83	100		
55	75.4	65.4	98.0
98	47.7	37.4	56.0

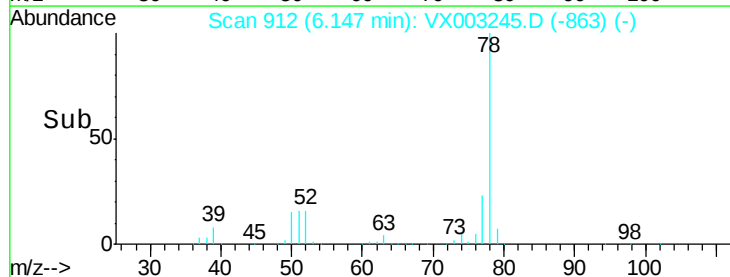
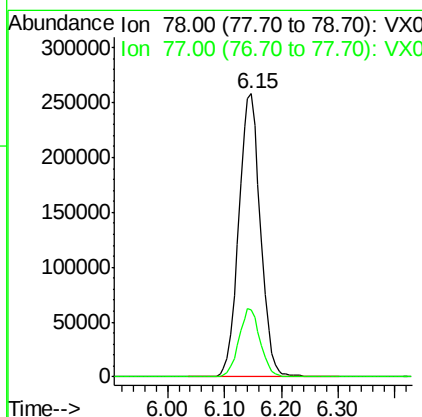
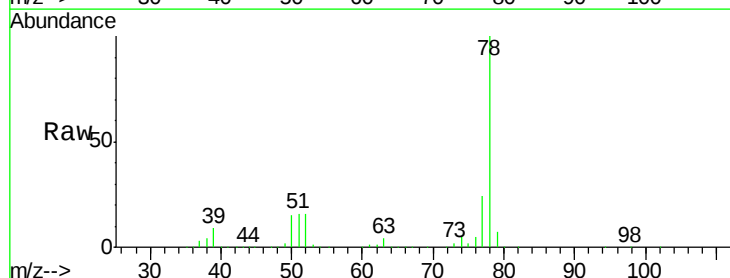
Manual Integrations
APPROVED

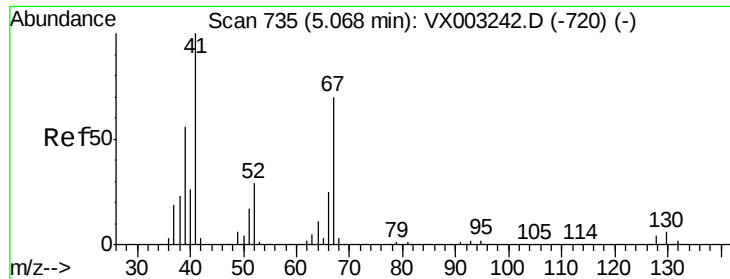
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#40
Benzene
Concen: 47.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	78	Resp	687408
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





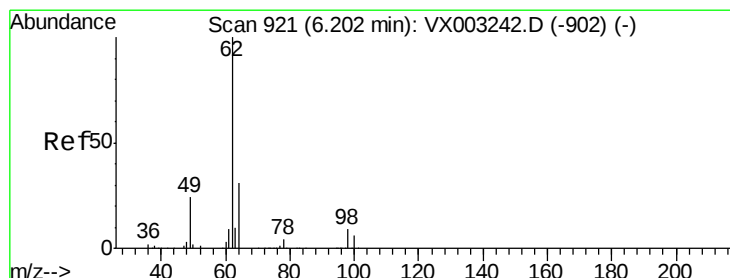
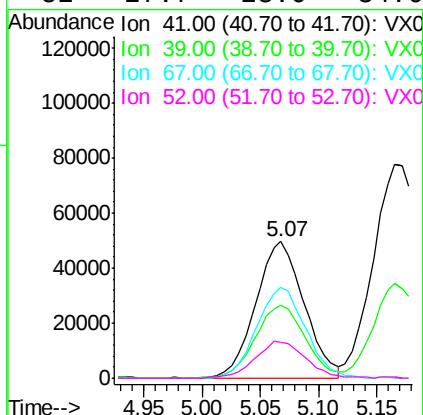
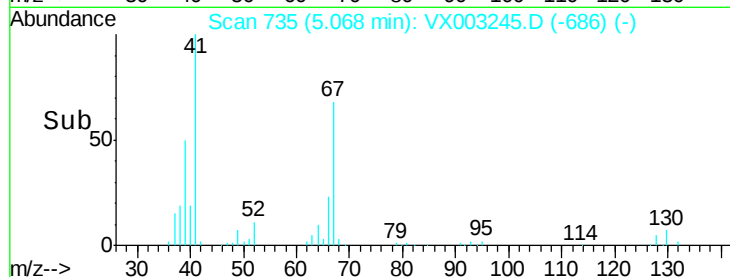
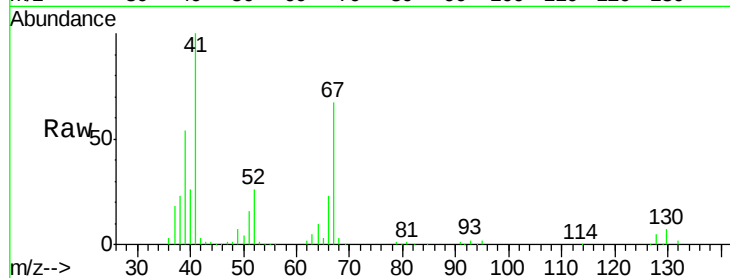
#41
Methacrylonitrile
Concen: 48.18 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	45.8	68.6	
67	67.7	51.3	76.9	
52	27.7	23.0	34.6	

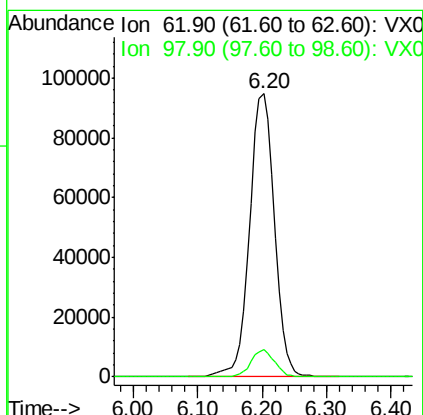
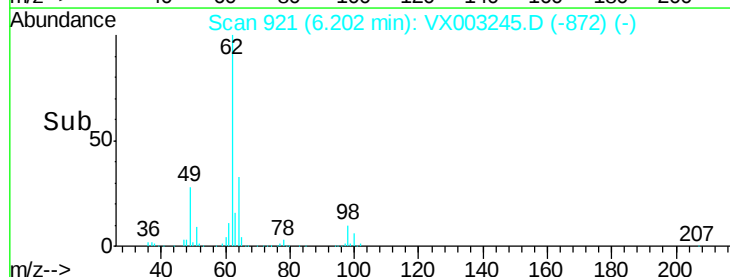
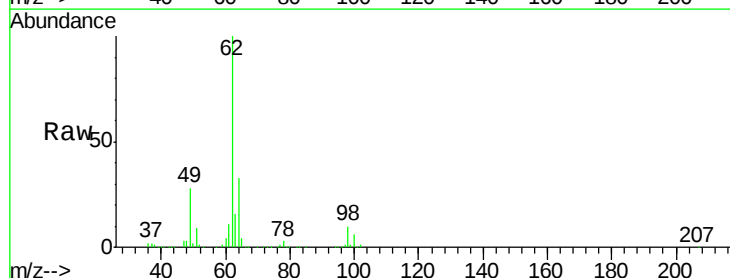
Manual Integrations
APPROVED

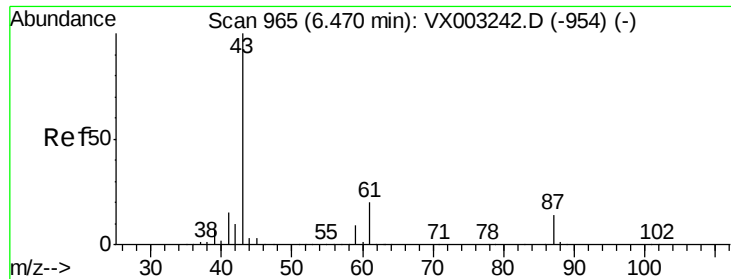
MMDadoda
7/10/2018 3:11:46 PM



#42
1,2-Dichloroethane
Concen: 45.56 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	16.6	





#43

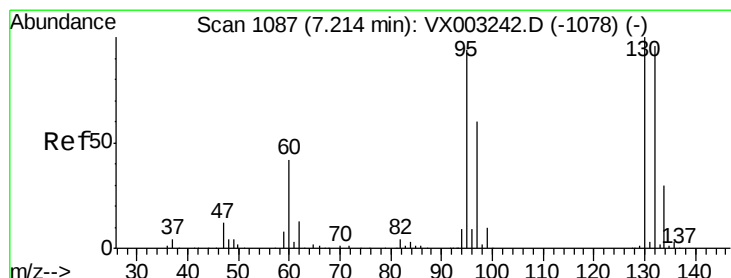
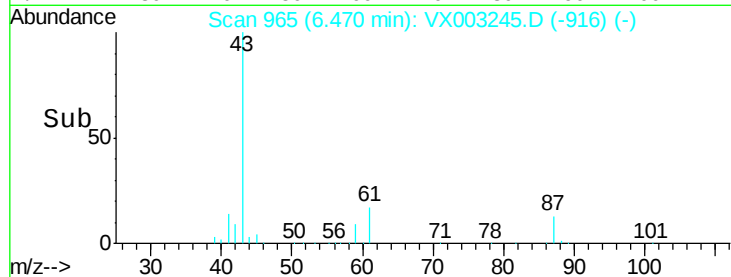
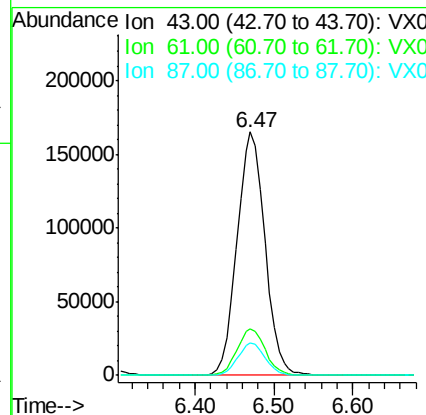
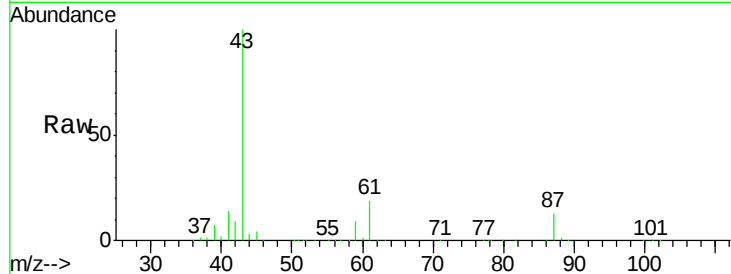
Isopropyl Acetate
 Concen: 47.74 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion	43	Resp	405332
Ion Ratio	100	Lower	Upper
43	100		
61	19.3	14.4	21.6
87	13.1	9.5	14.3

Manual Integrations
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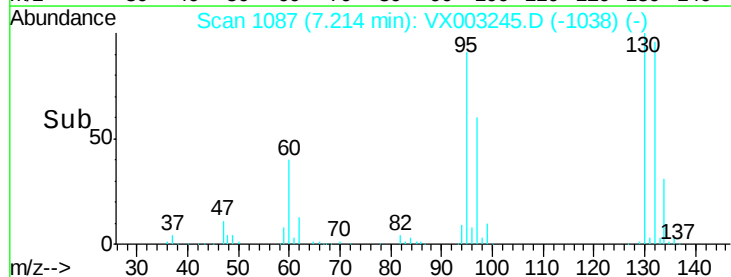
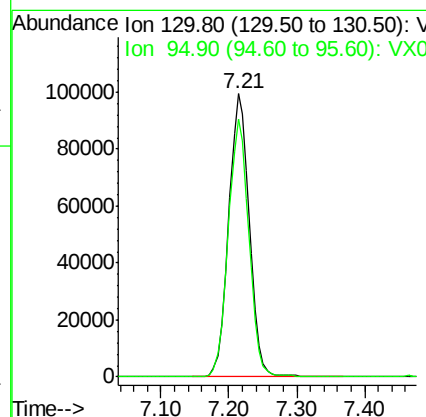
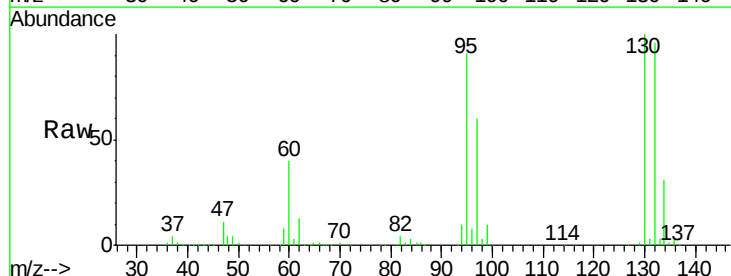
MMDadoda
 7/10/2018 3:11:46 PM

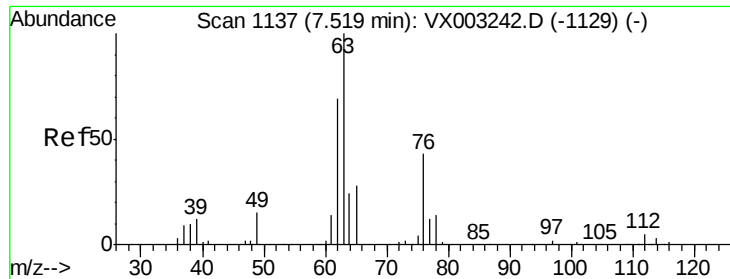


#44

Trichloroethene
 Concen: 48.36 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	130	Resp	209041
Ion Ratio	100	Lower	Upper
130	100		
95	90.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 45.71 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 63 Resp: 173712

Ion Ratio Lower Upper

63 100

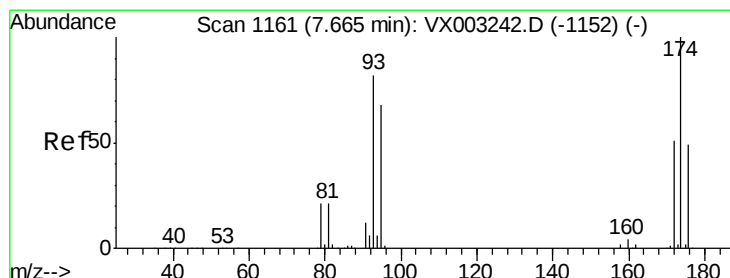
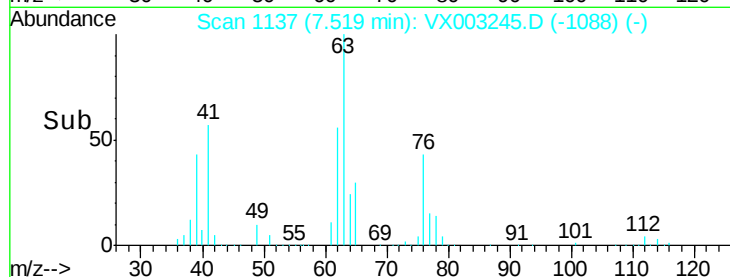
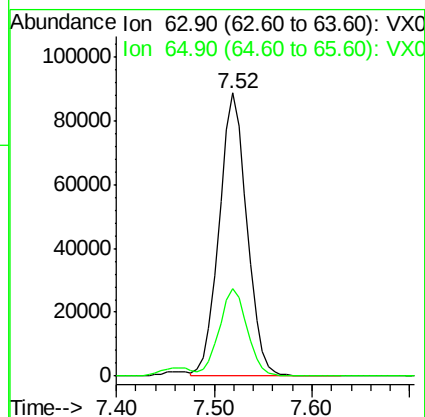
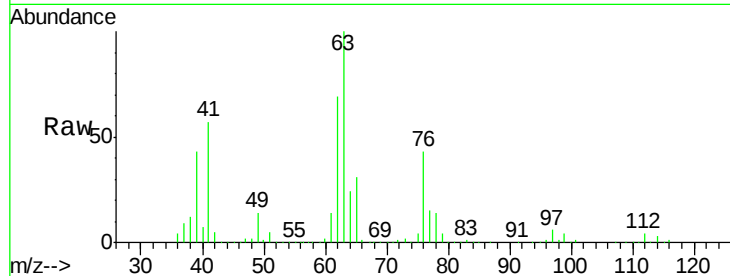
65 31.0 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 46.45 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

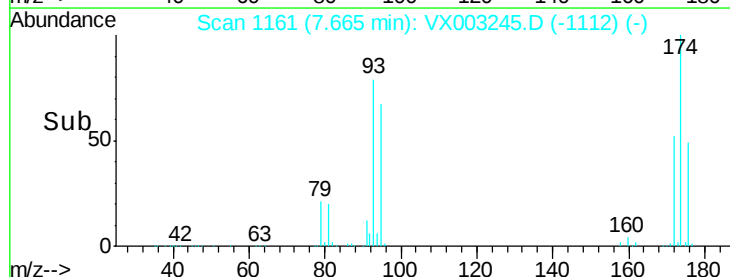
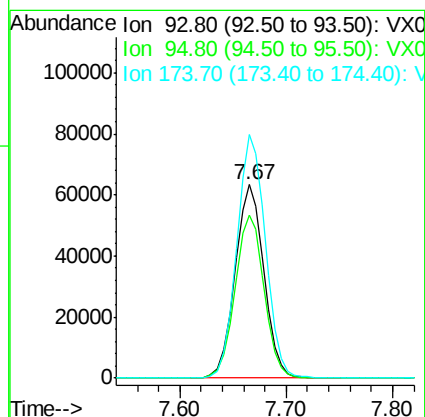
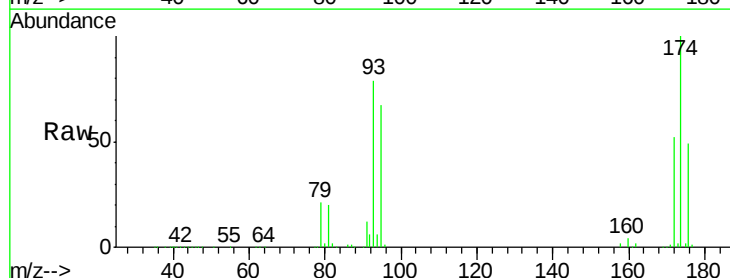
Tgt Ion: 93 Resp: 120319

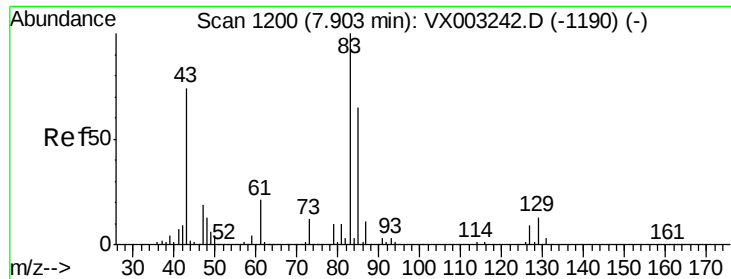
Ion Ratio Lower Upper

93 100

95 84.8 65.9 98.9

174 125.5 92.4 138.6





#47

Bromodichloromethane

Concen: 48.23 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

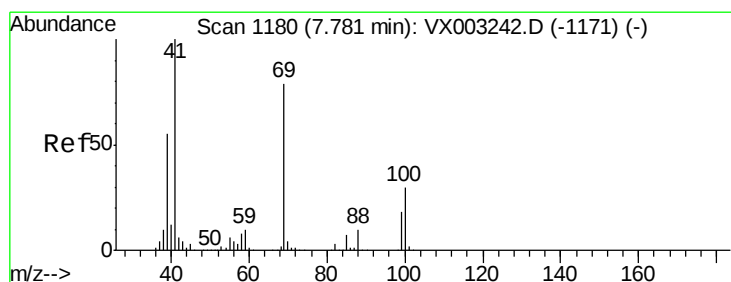
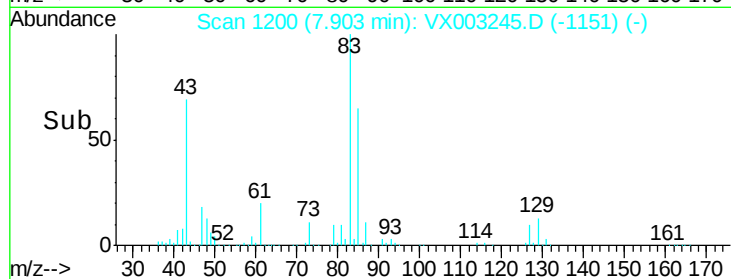
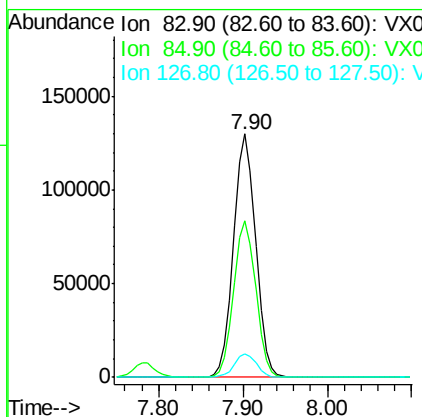
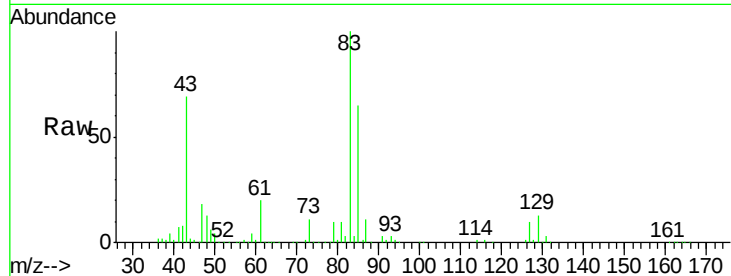
ClientSampleId :

ICVVX070918

Tot Ion:	83	Resp:	230493
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.3	75.5
127	9.8	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.77 ug/l

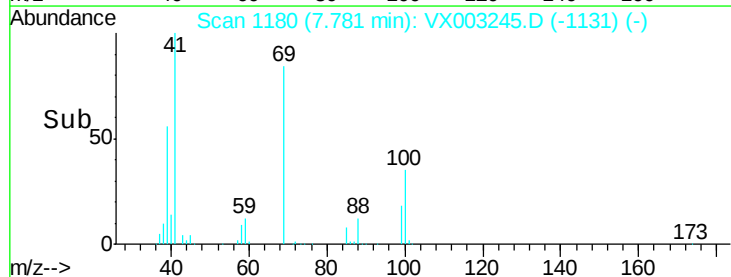
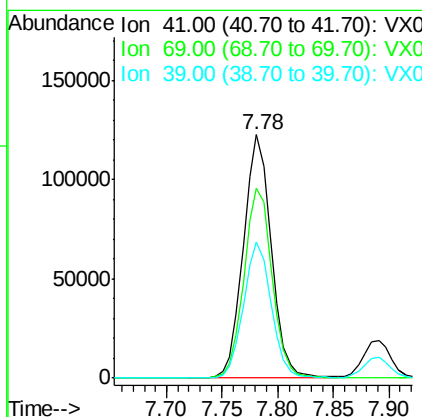
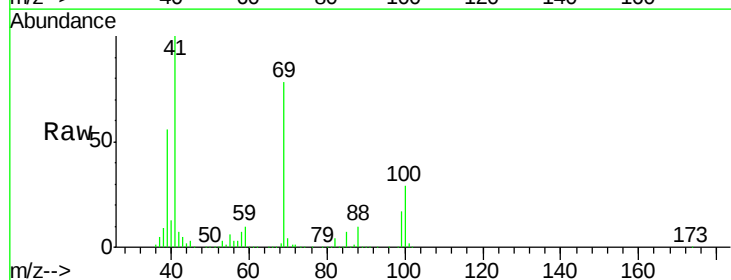
RT: 7.78 min Scan# 1180

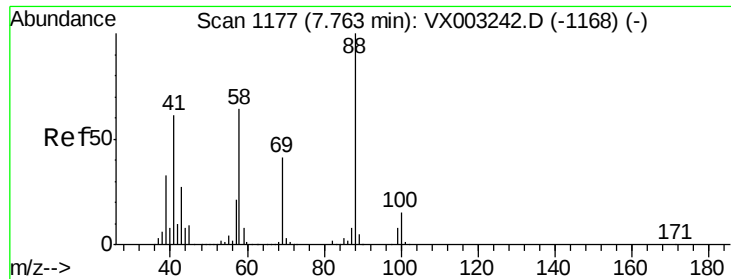
Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion:	41	Resp:	212397
Ion	Ratio	Lower	Upper
41	100		
69	79.8	59.1	88.7
39	55.6	48.9	73.3





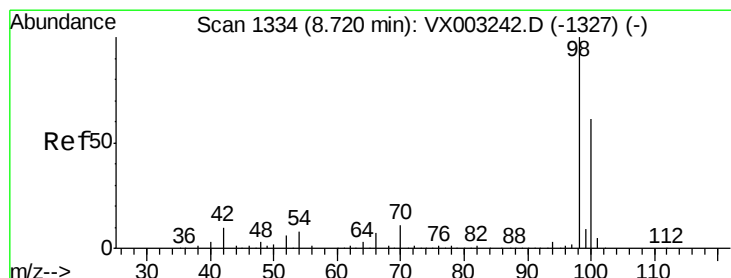
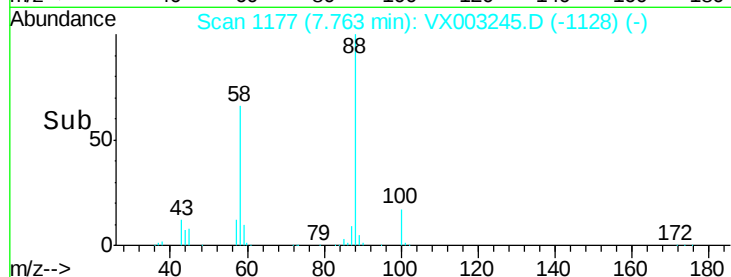
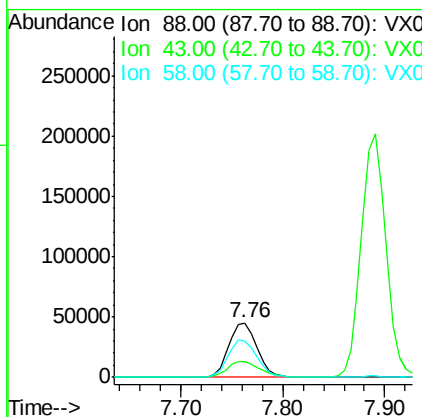
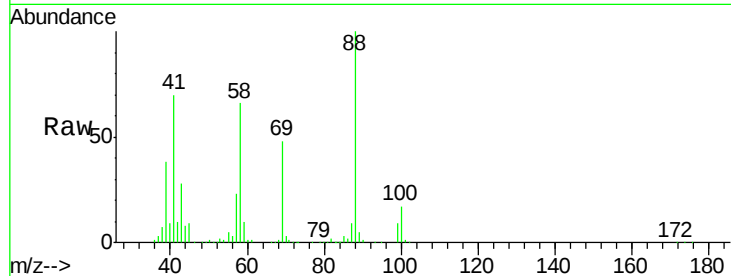
#49
1,4-Dioxane
Concen: 954.84 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	88	Resp	86944
Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.8	44.6
58	70.5	57.1	85.7

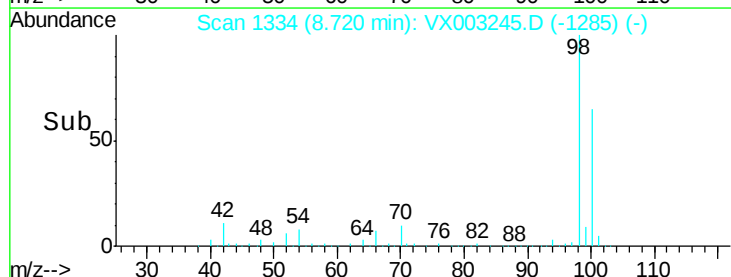
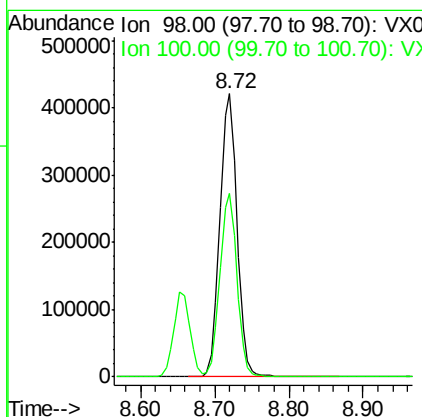
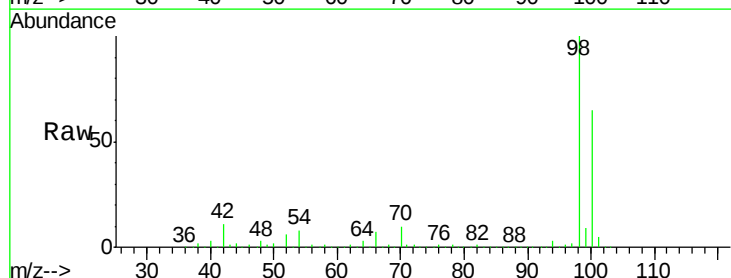
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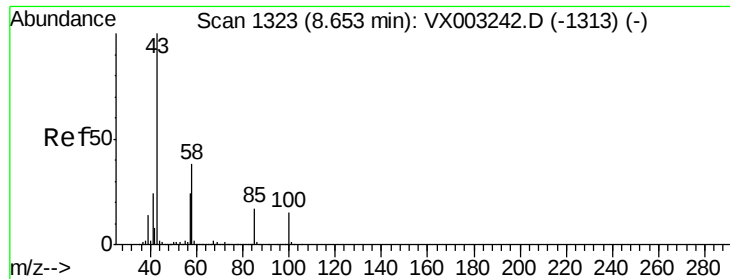
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#50
Toluene-d8
Concen: 50.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	98	Resp	670734
Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





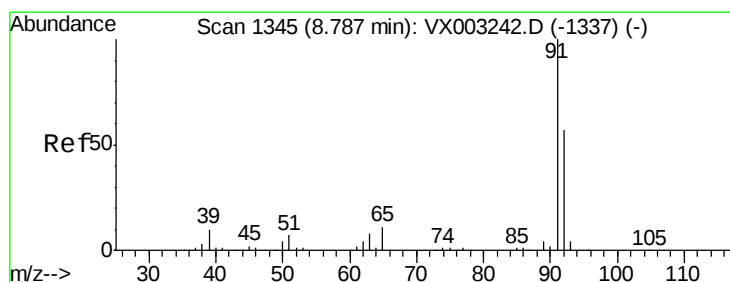
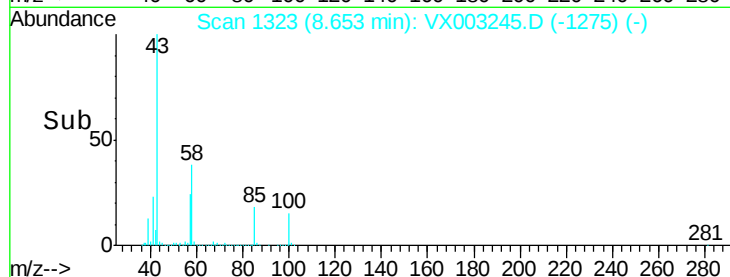
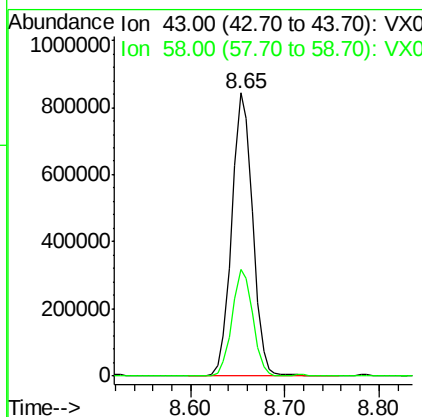
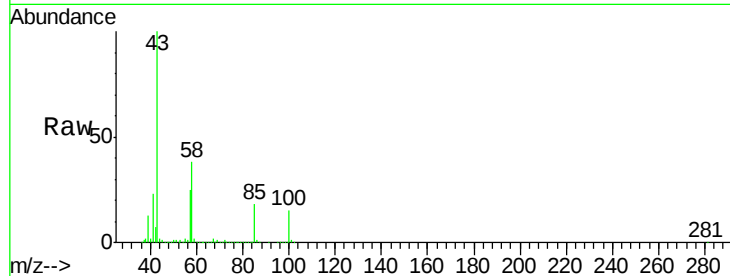
#51
4-Methyl-2-Pentanone
Concen: 245.82 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion: 43 Resp: 1299492
Ion Ratio Lower Upper
43 100
58 37.6 28.6 42.8

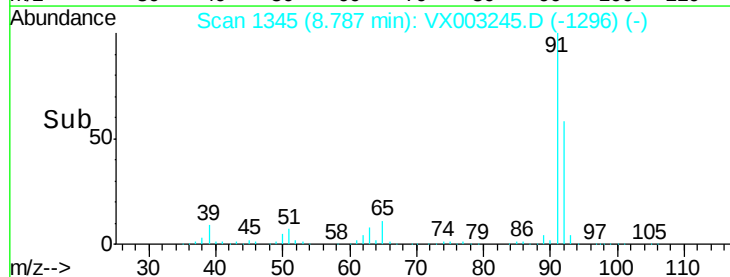
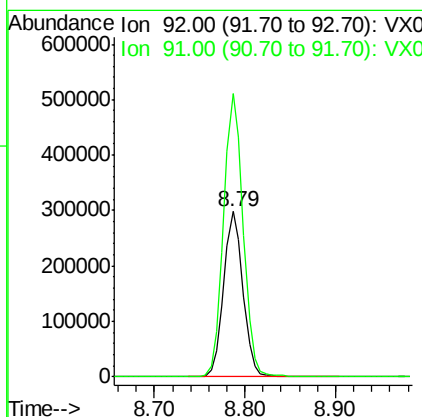
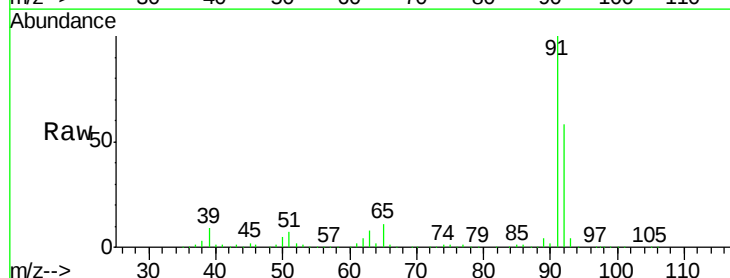
Manual Integrations
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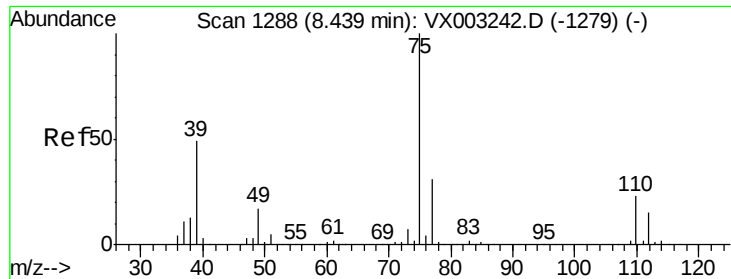
MMDadoda
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#52
Toluene
Concen: 48.15 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion: 92 Resp: 444879
Ion Ratio Lower Upper
92 100
91 173.5 140.4 210.6





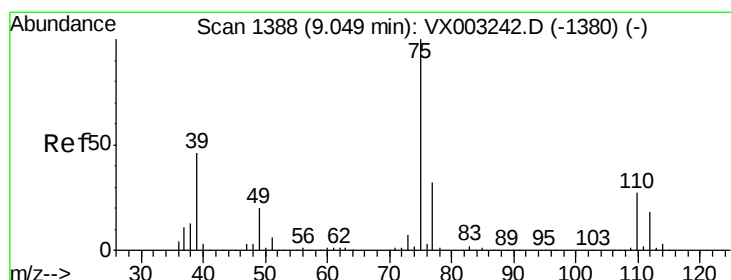
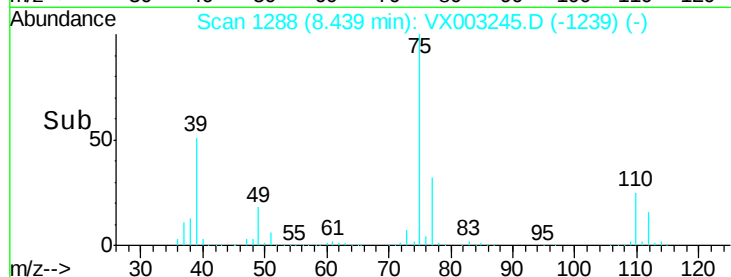
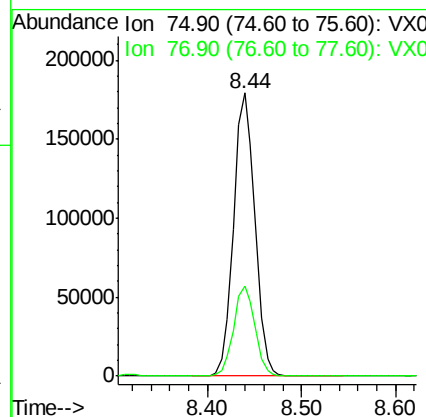
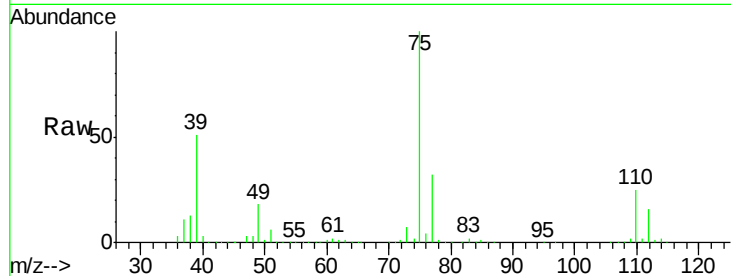
#53
t-1,3-Dichloropropene
Concen: 50.00 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

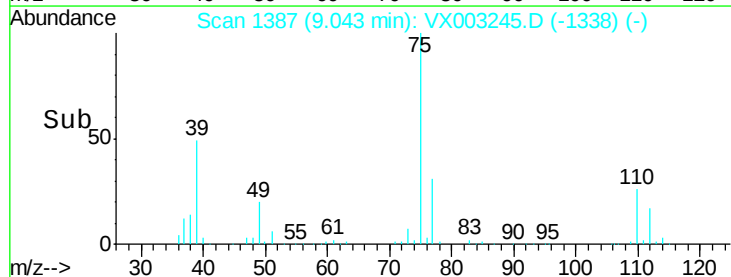
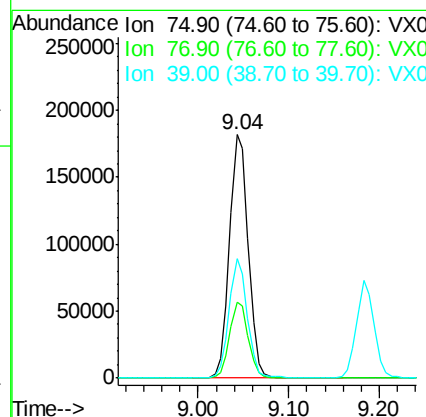
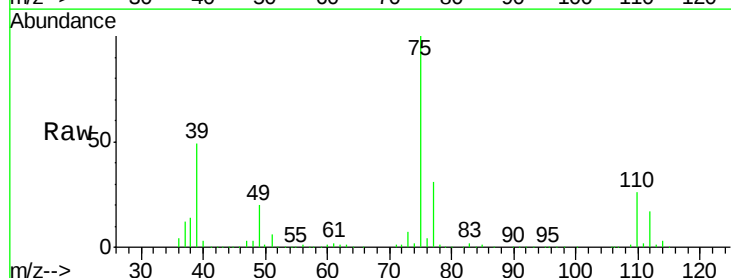
Manual Integrations
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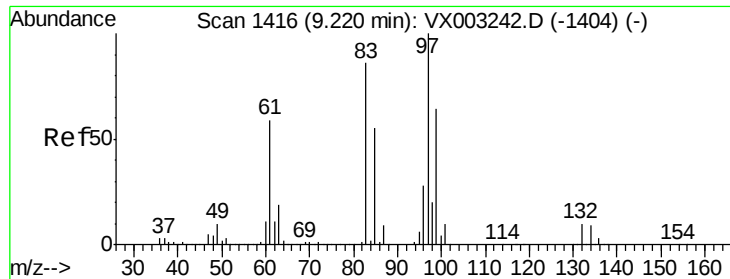
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#54
cis-1,3-Dichloropropene
Concen: 50.88 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	49.2	42.4	63.6





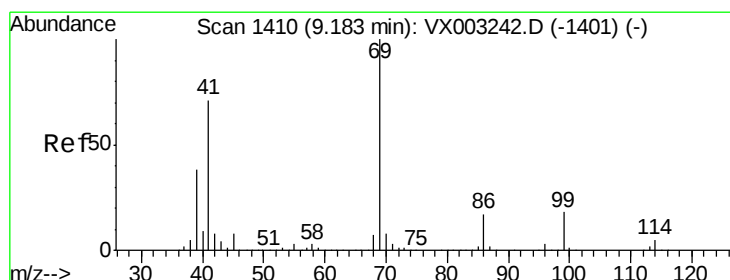
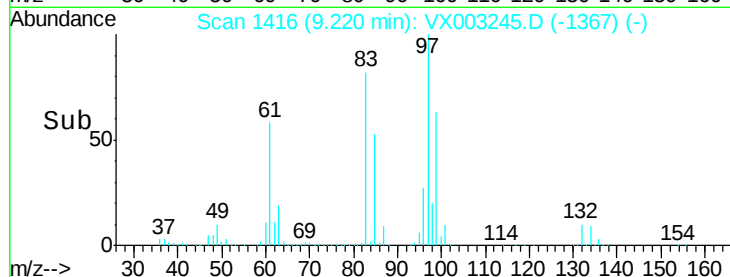
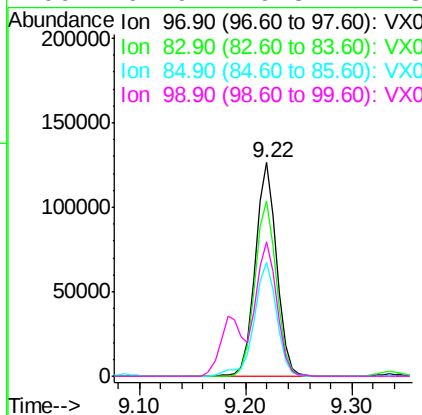
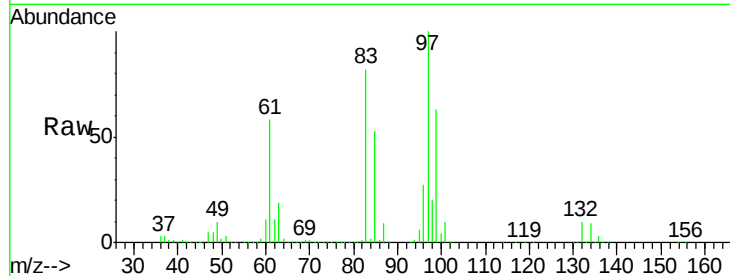
#55
 1,1,2-Trichloroethane
 Concen: 46.44 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion:	97	Resp:	178012
Ion	Ratio	Lower	Upper
97	100		
83	82.0	70.2	105.2
85	53.2	44.9	67.3
99	62.9	49.8	74.8

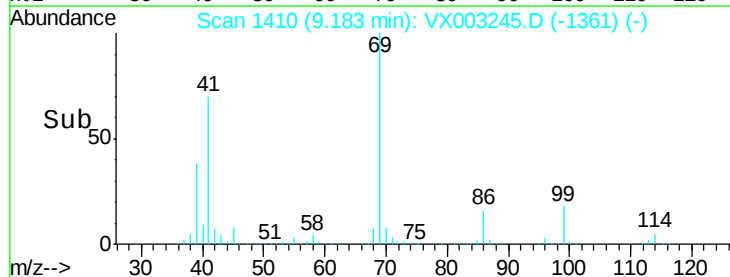
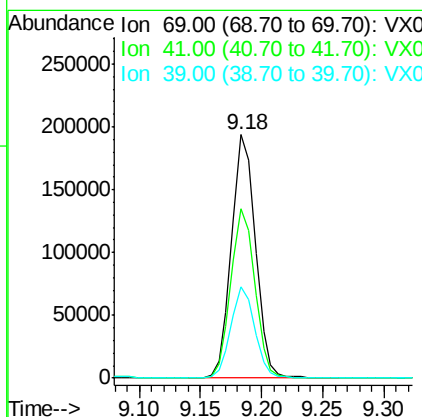
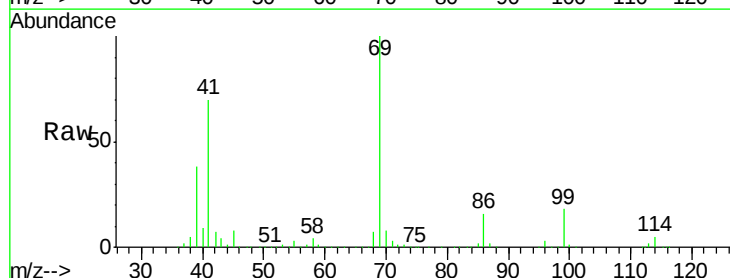
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#56
 Ethyl methacrylate
 Concen: 50.17 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion:	69	Resp:	263390
Ion	Ratio	Lower	Upper
69	100		
41	69.8	60.3	90.5
39	37.5	35.8	53.8





#57

1,3-Dichloropropane

Concen: 46.98 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 76 Resp: 290059

Ion Ratio Lower Upper

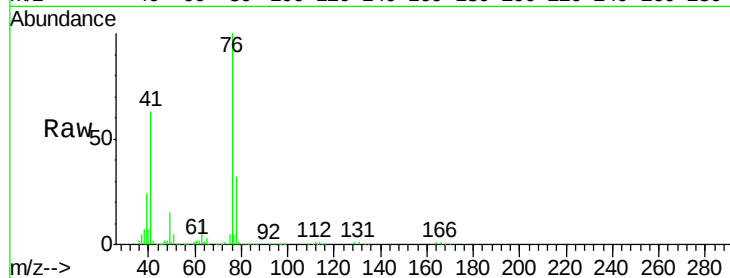
76 100

78 32.3 25.8 38.6

Manual Integrations
APPROVED

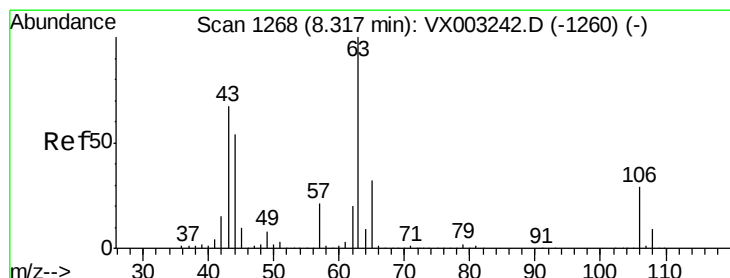
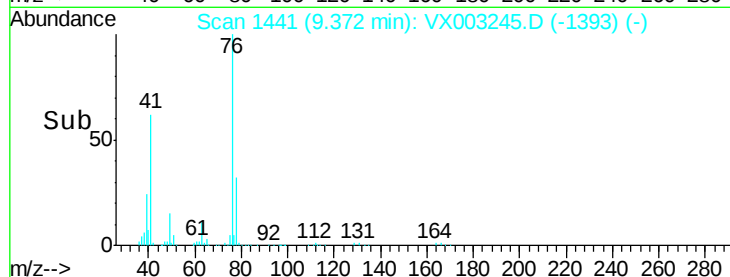
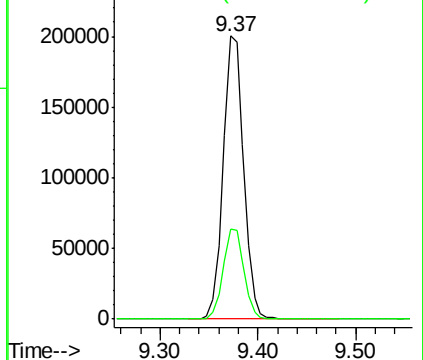
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 272.23 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003245.D

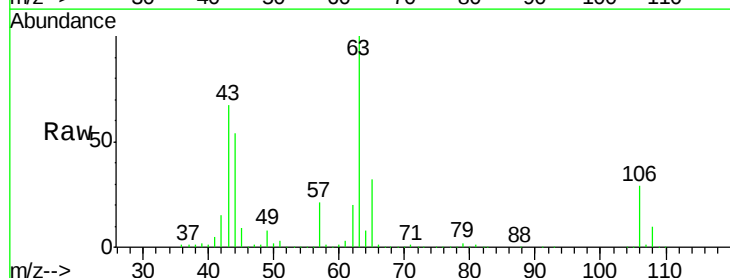
Acq: 09 Jul 2018 14:49

Tgt Ion: 63 Resp: 689456

Ion Ratio Lower Upper

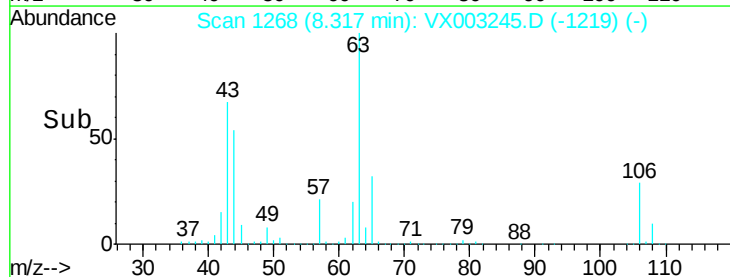
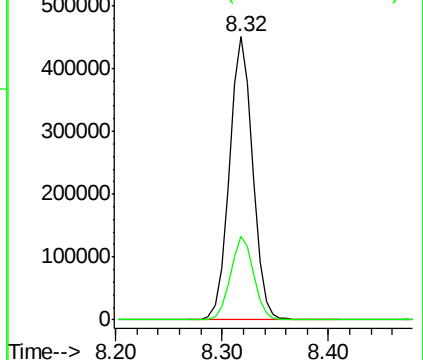
63 100

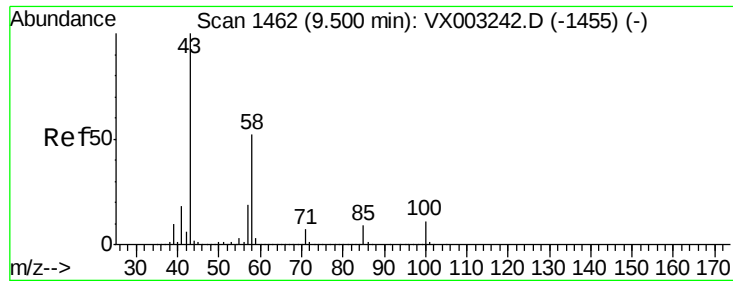
106 29.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





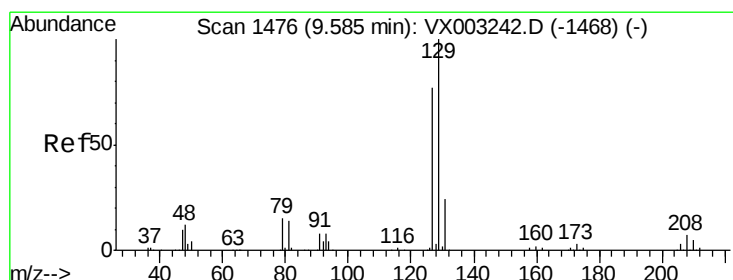
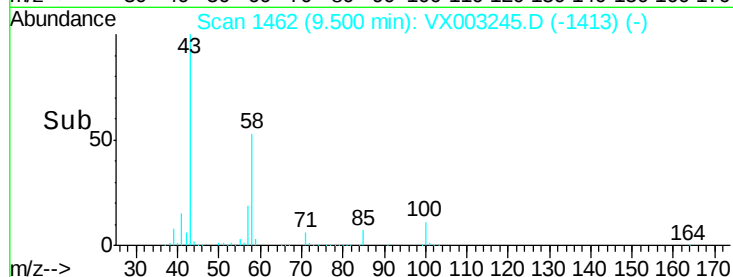
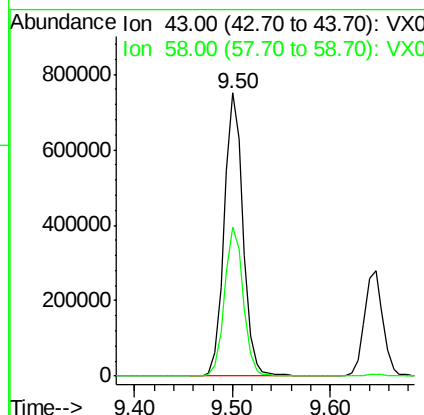
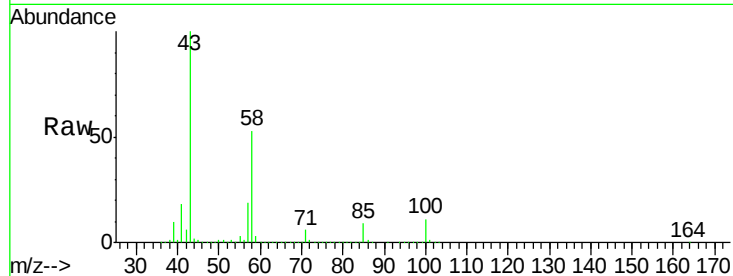
#59
2-Hexanone
Concen: 249.19 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion: 43 Resp: 1000524
Ion Ratio Lower Upper
43 100
58 52.5 24.6 73.6

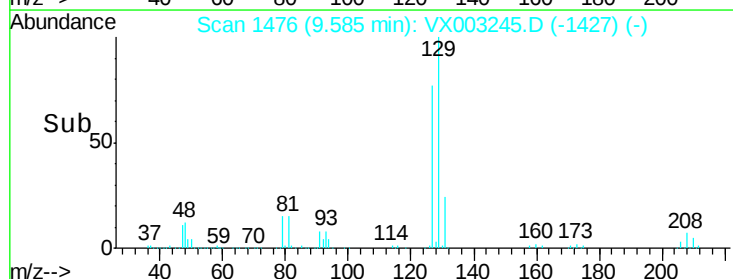
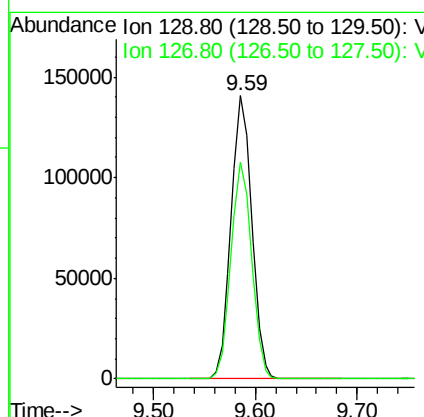
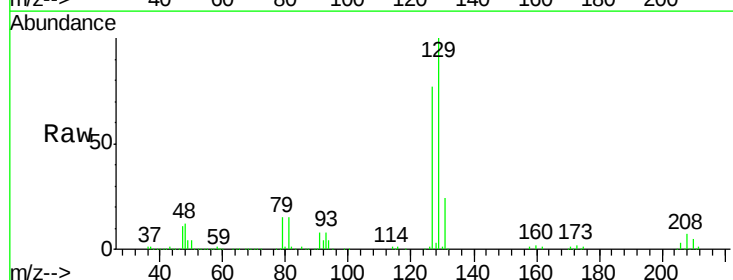
Manual Integrations
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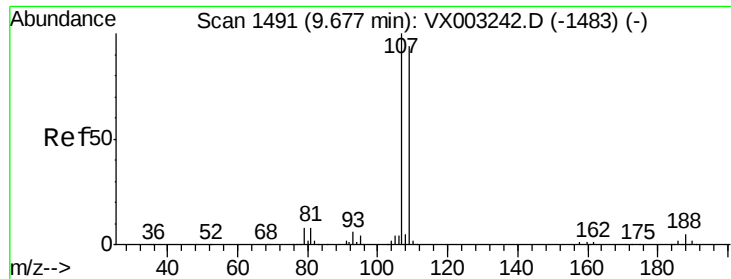
MMDadoda
7/10/2018 3:11:46 PM



#60
Dibromochloromethane
Concen: 49.50 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion: 129 Resp: 198098
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.48 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion:107 Resp: 190744

Ion Ratio Lower Upper

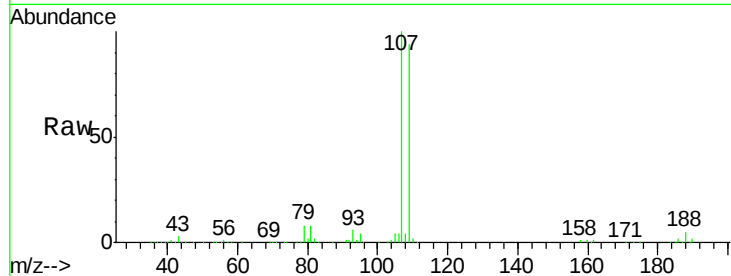
107 100

109 94.9 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

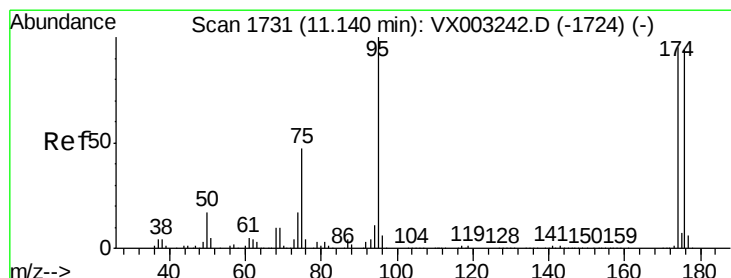
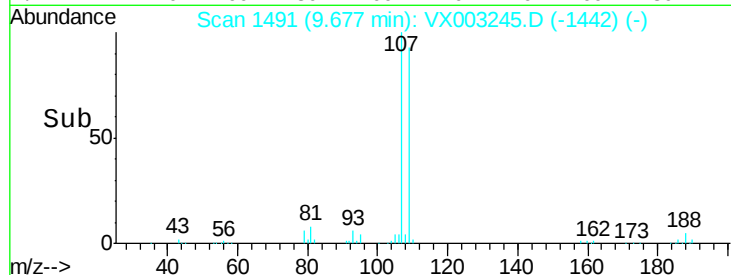
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

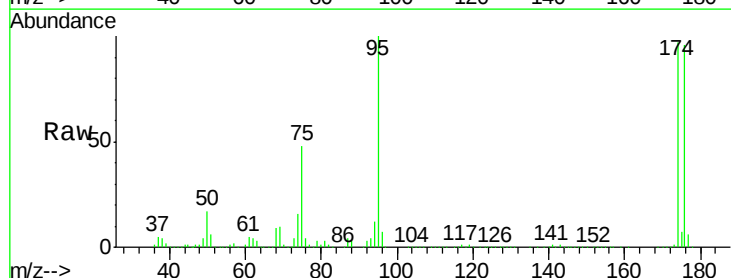
Tgt Ion: 95 Resp: 253832

Ion Ratio Lower Upper

95 100

174 99.0 0.0 187.4

176 96.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

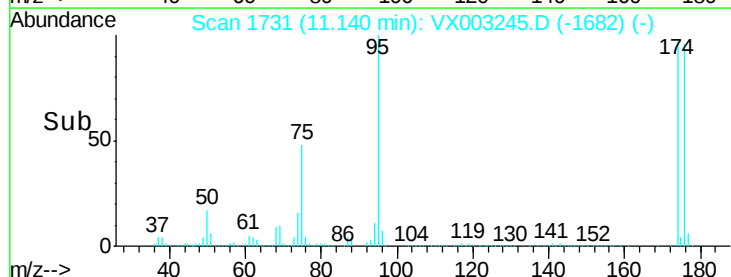
150000

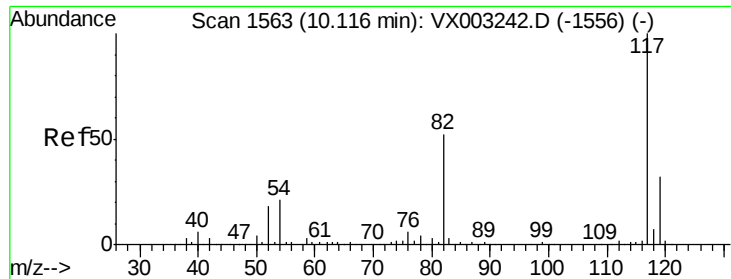
100000

50000

0

Time-->





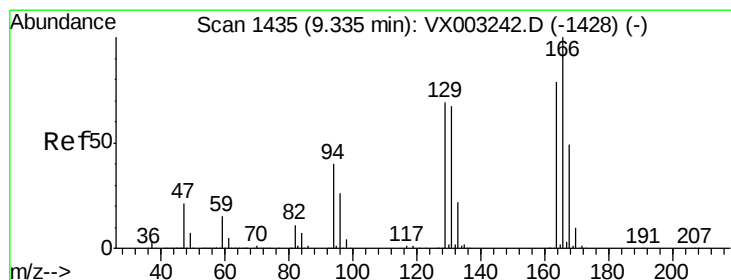
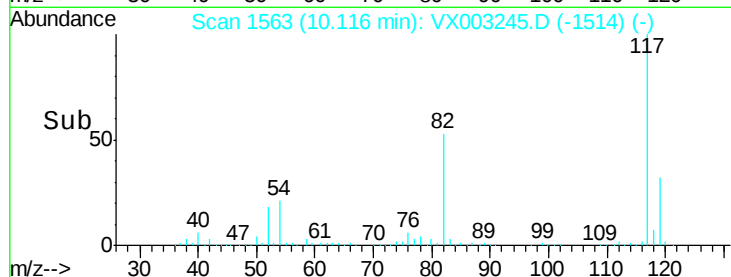
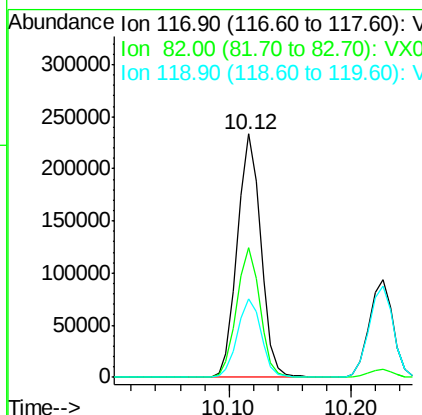
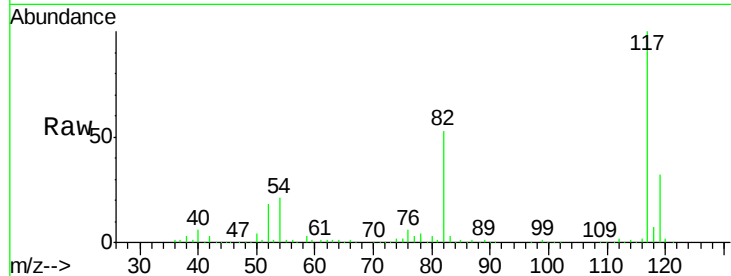
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.0	67.4
119	32.5	25.8	38.6

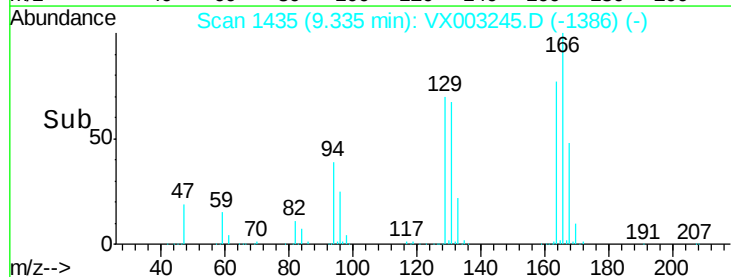
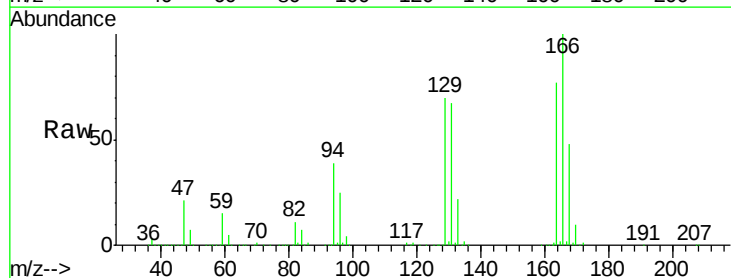
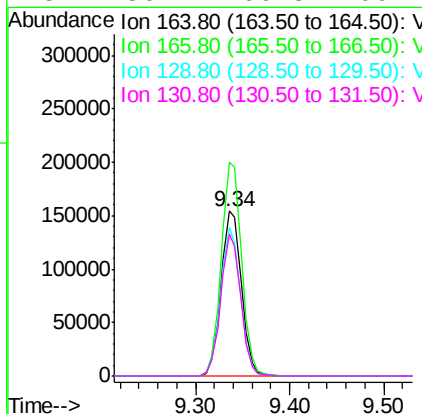
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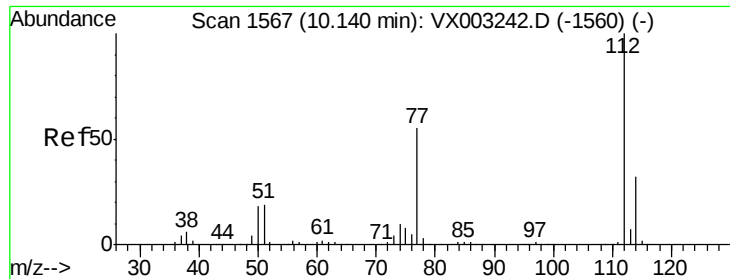
MMDadoda
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#64
Tetrachloroethene
Concen: 49.44 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.9	154.3
129	90.3	68.6	102.8
131	86.2	66.8	100.2





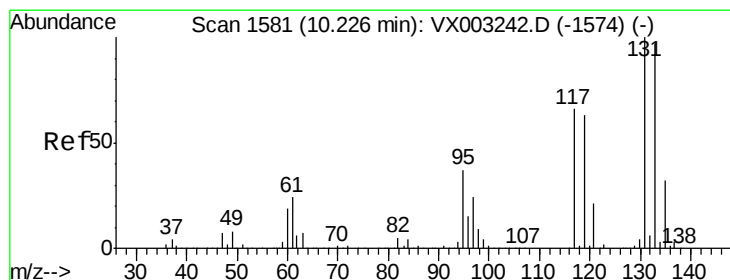
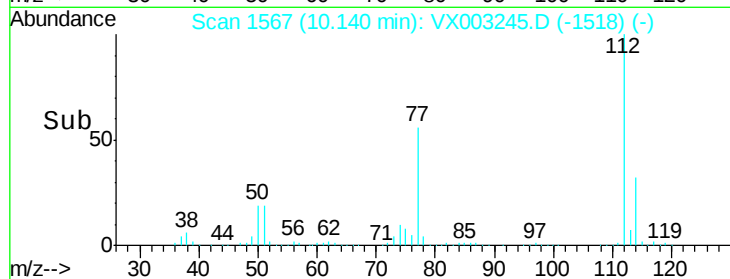
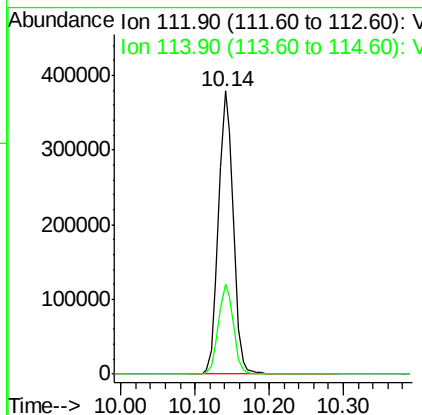
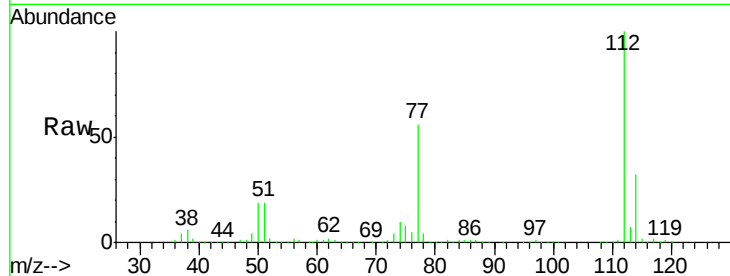
#65
Chlorobenzene
Concen: 48.82 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion:112 Resp: 515083
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

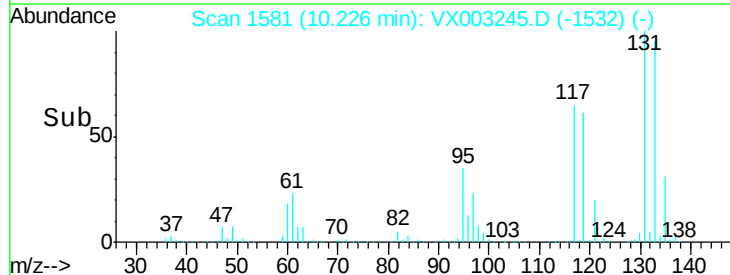
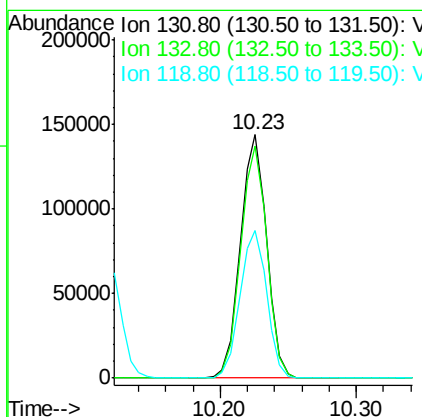
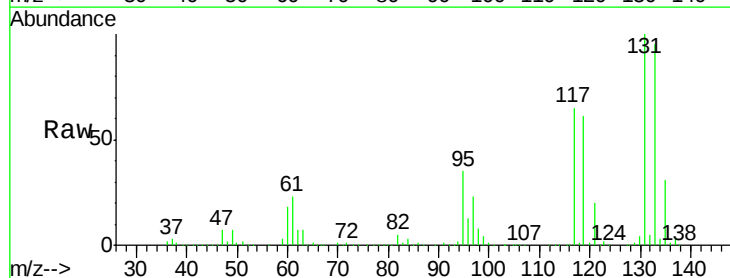
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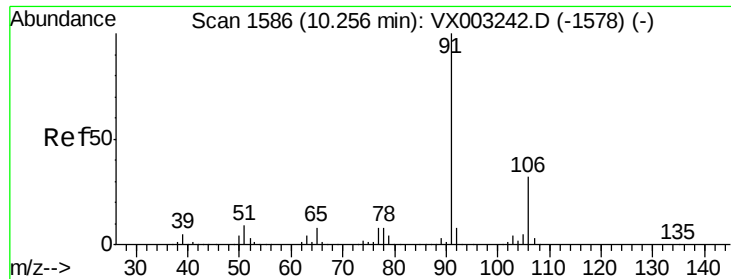
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.75 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion:131 Resp: 193187
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 62.0 31.8 95.3





#67

Ethyl Benzene

Concen: 50.73 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 91 Resp: 865724

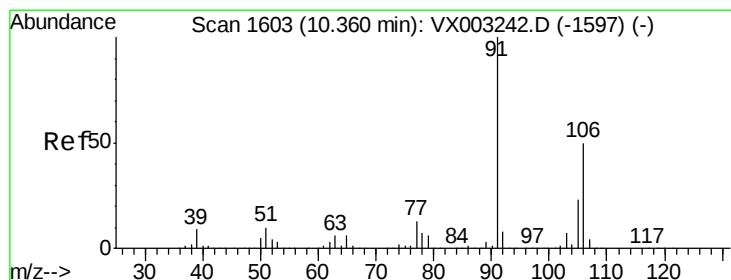
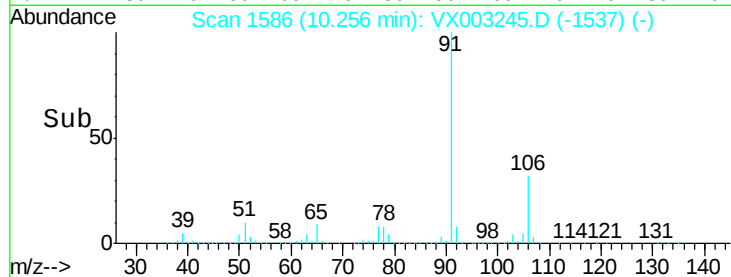
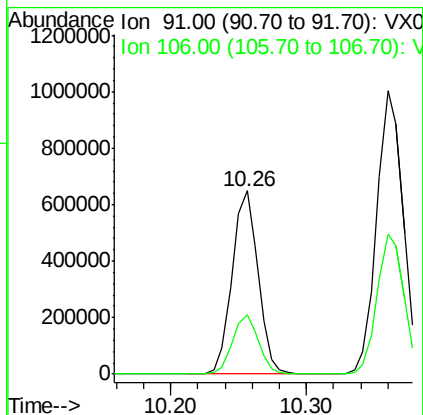
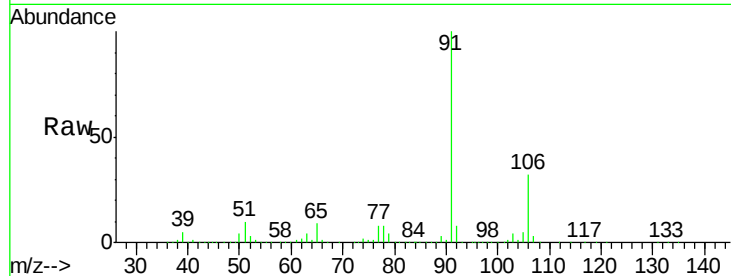
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.18 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003245.D

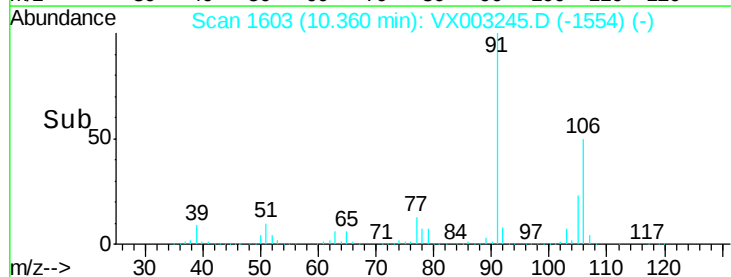
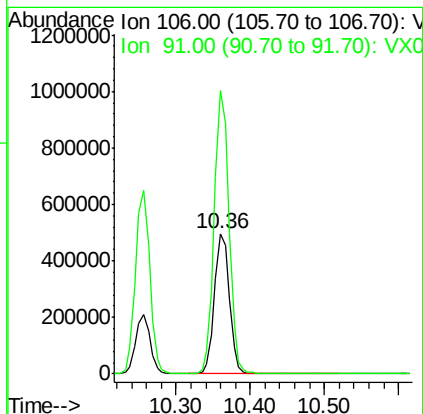
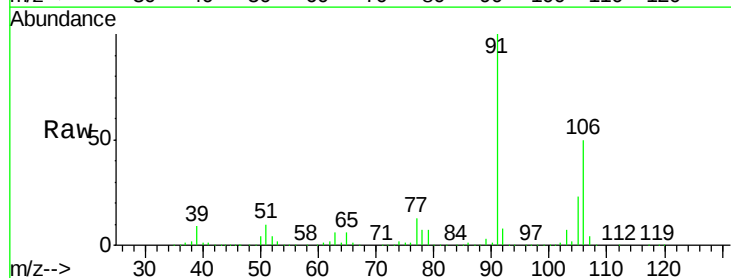
Acq: 09 Jul 2018 14:49

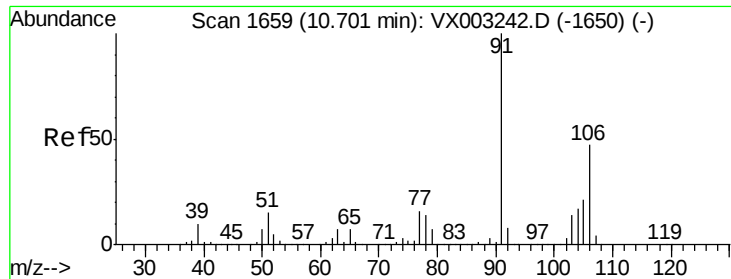
Tgt Ion: 106 Resp: 684941

Ion Ratio Lower Upper

106 100

91 199.2 163.4 245.2





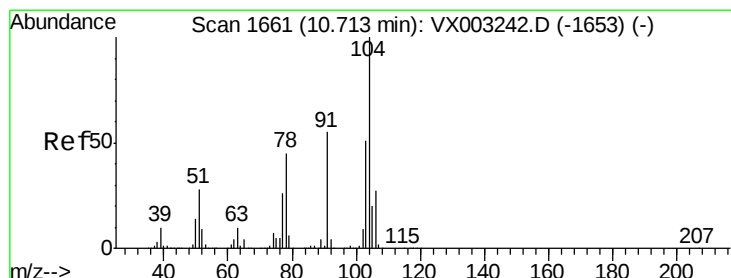
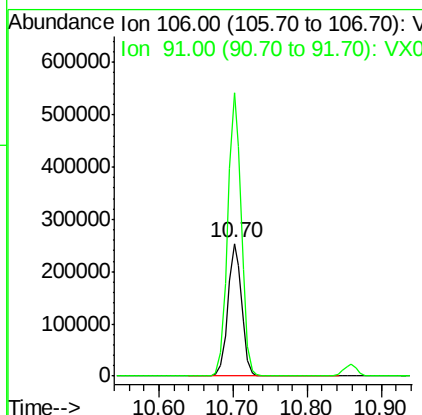
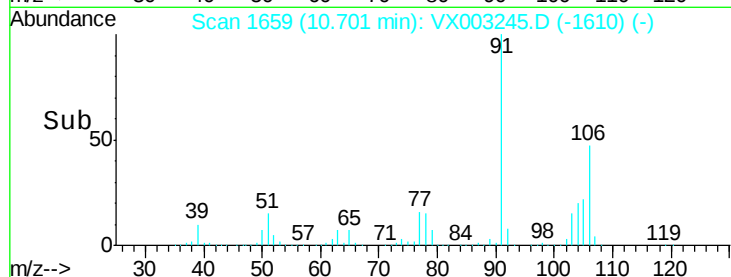
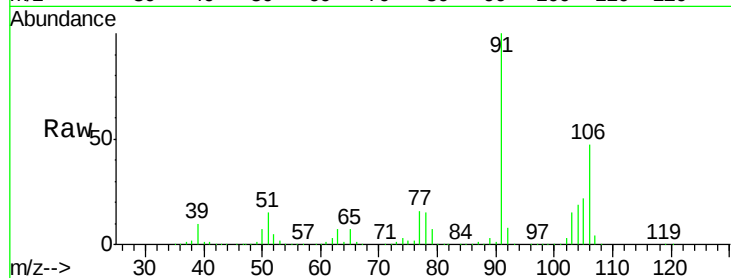
#69
o-Xylene
Concen: 50.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampled :
ICVVX070918

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	108.2	324.6	

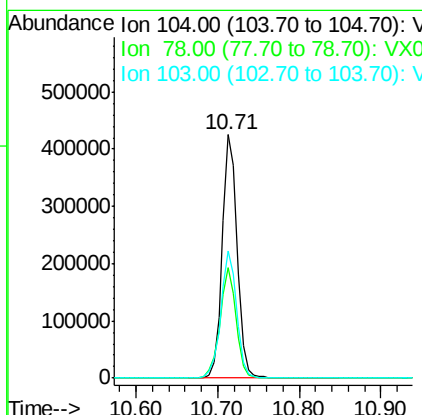
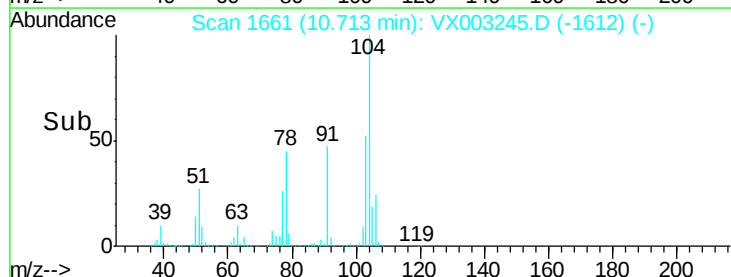
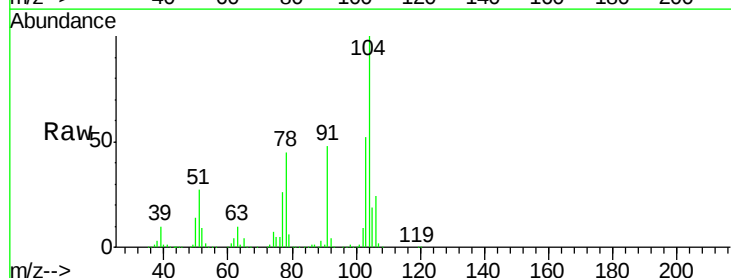
Manual Integrations
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#70
Styrene
Concen: 52.06 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.1	41.0	61.6	
103	55.6	44.2	66.4	





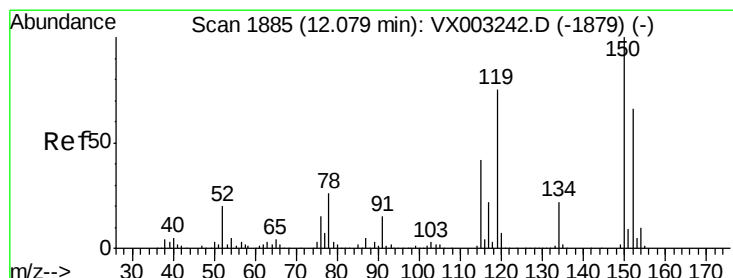
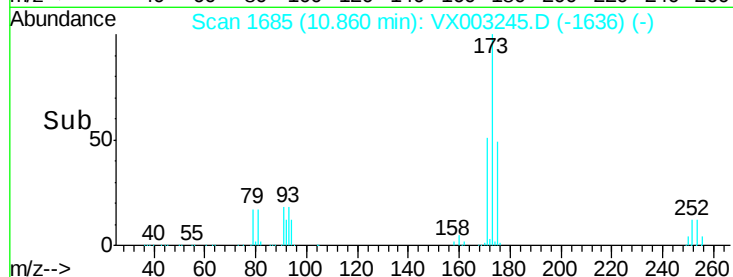
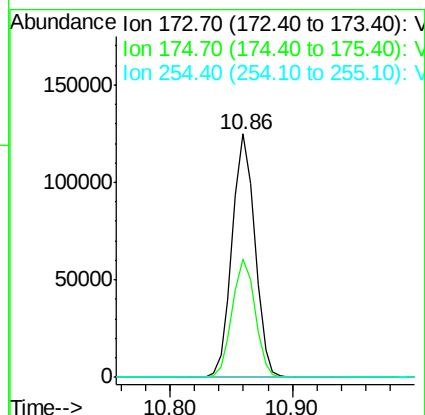
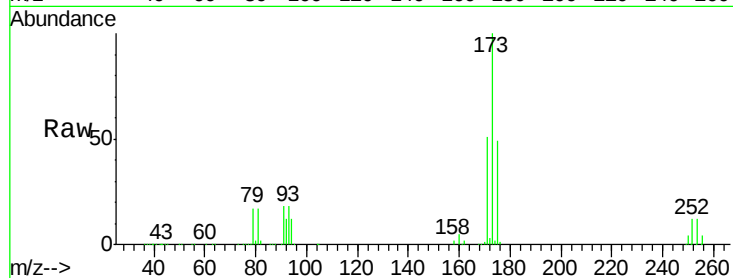
#71
Bromoform
Concen: 51.07 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.1	0.2	0.2#

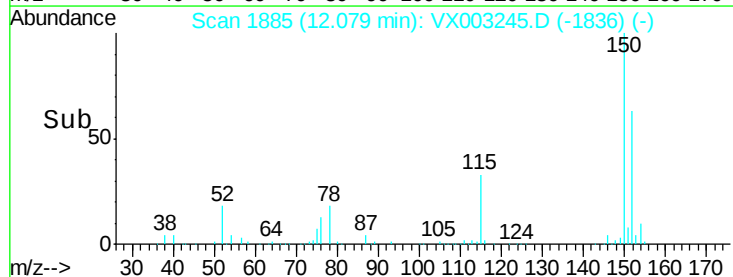
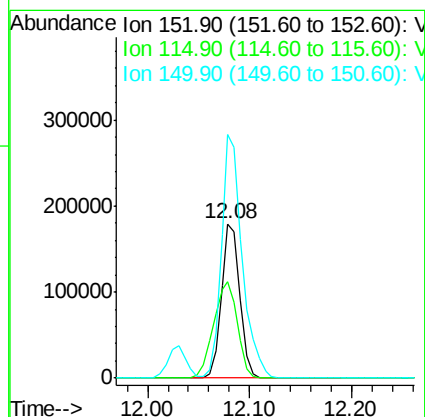
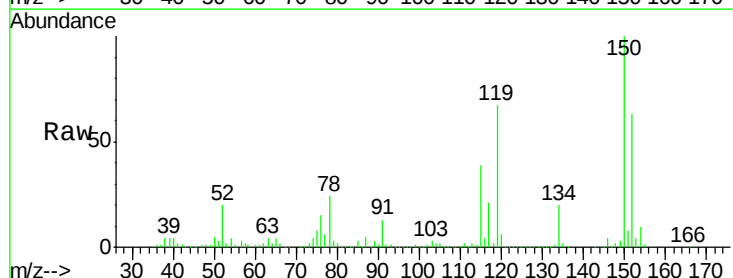
Manual Integrations
APPROVED

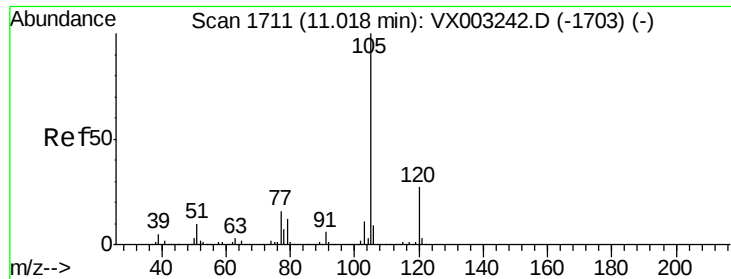
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.8	40.1	120.2
150	177.6	0.0	347.2





#73

Isopropylbenzene

Concen: 50.08 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion:105 Resp: 895245

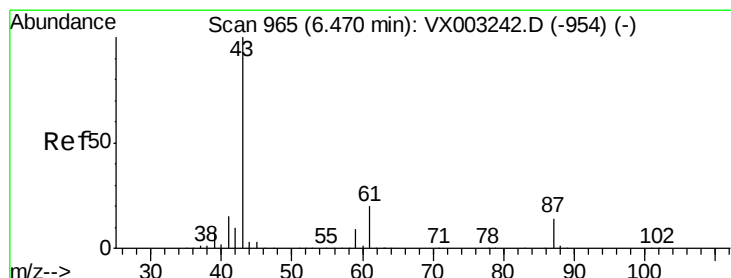
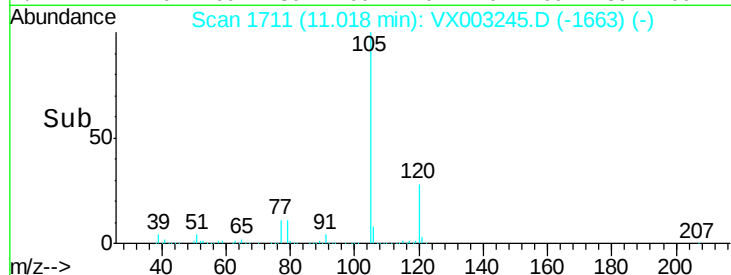
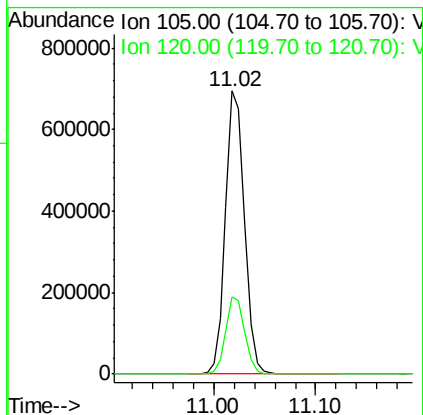
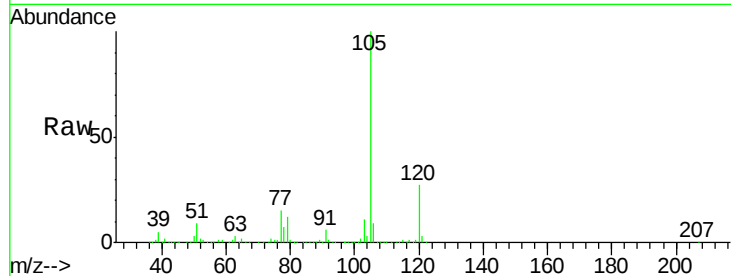
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 47.53 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion: 43 Resp: 405332

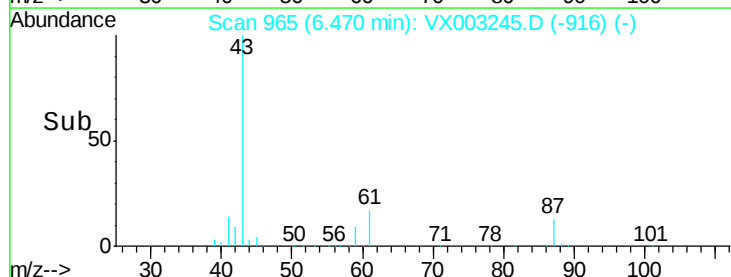
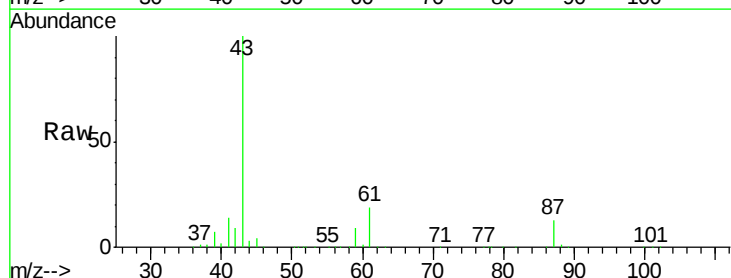
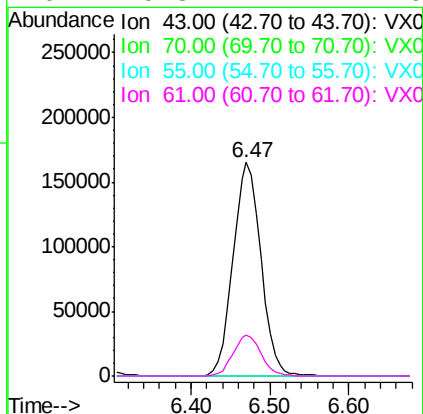
Ion Ratio Lower Upper

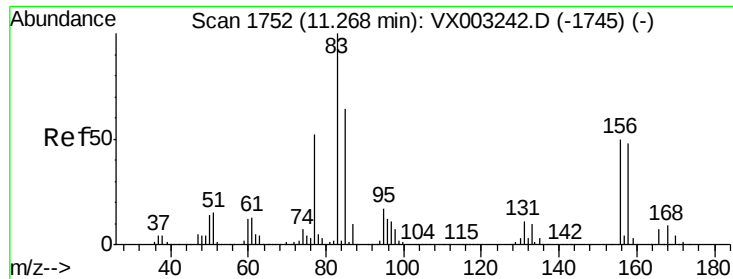
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.3 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.06 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

ICVVX070918

Tot Ion: 83 Resp: 260906

Ion Ratio Lower Upper

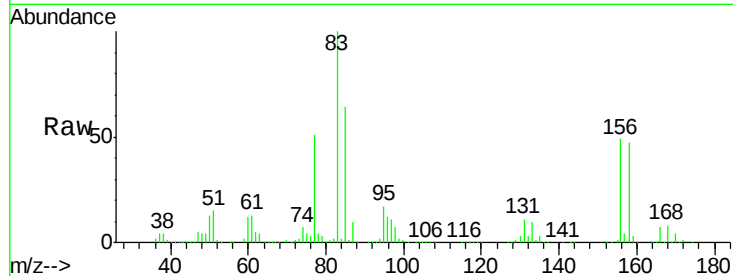
83 100

131 11.4 5.6 16.8

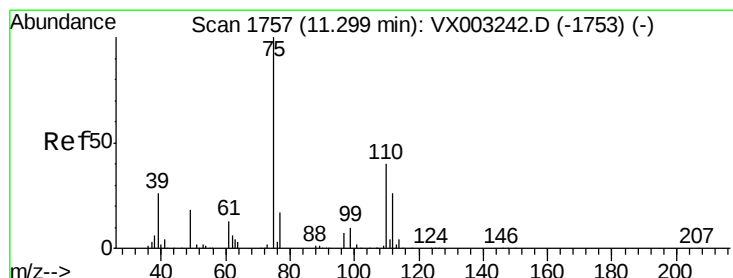
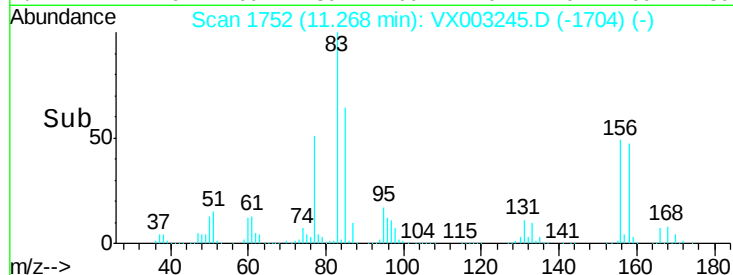
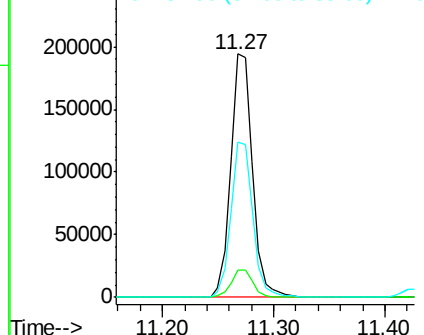
85 64.4 32.4 97.2

Manual Integrations
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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: 48.56 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003245.D

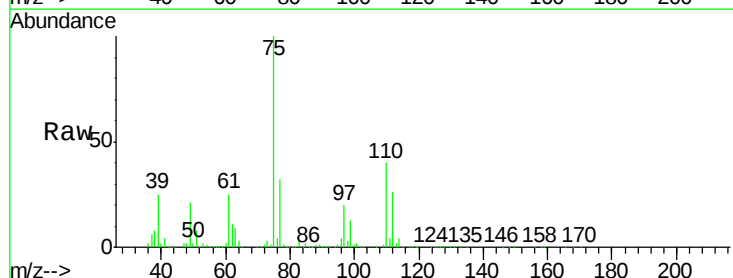
Acq: 09 Jul 2018 14:49

Tgt Ion: 75 Resp: 237620

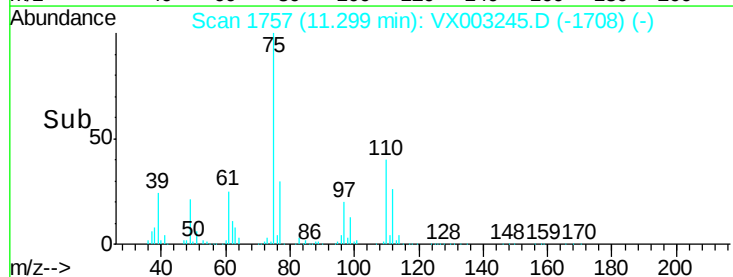
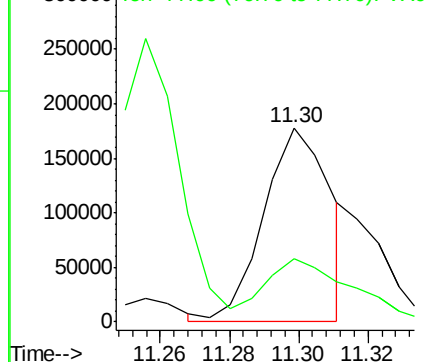
Ion Ratio Lower Upper

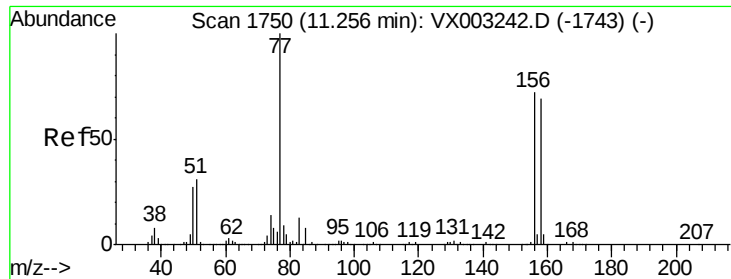
75 100

77 42.4 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: 49.06 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

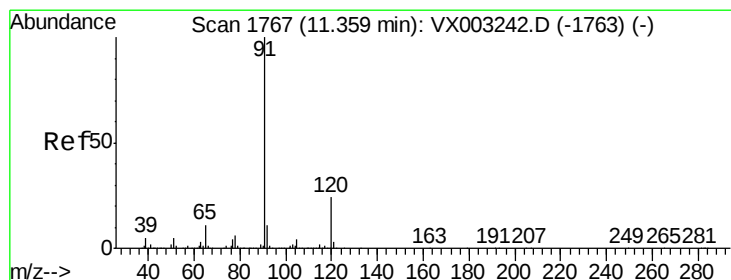
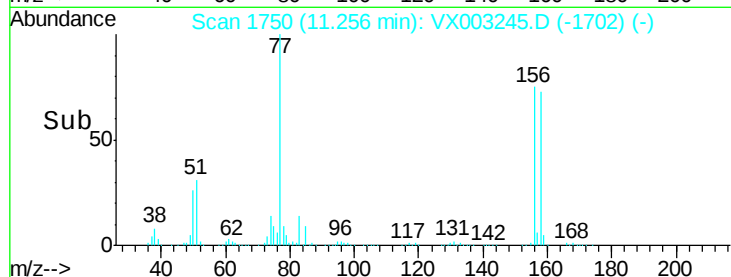
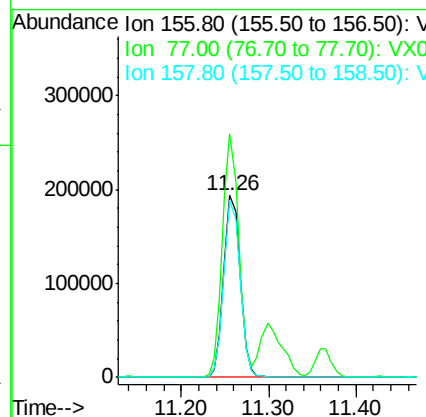
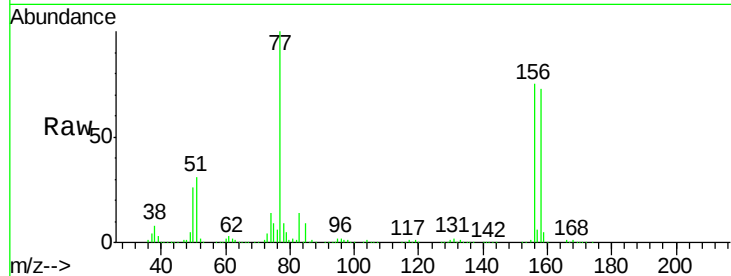
ClientSampleId :

ICVVX070918

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.6	71.4	214.2
158	96.3	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.02 ug/l

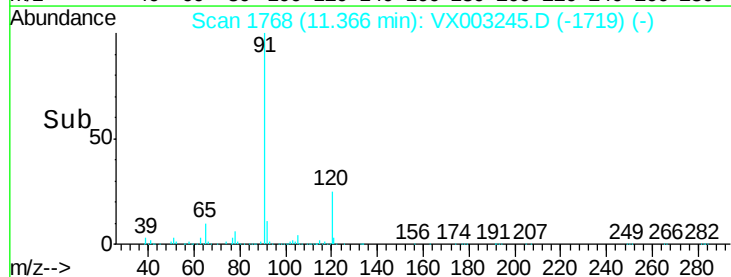
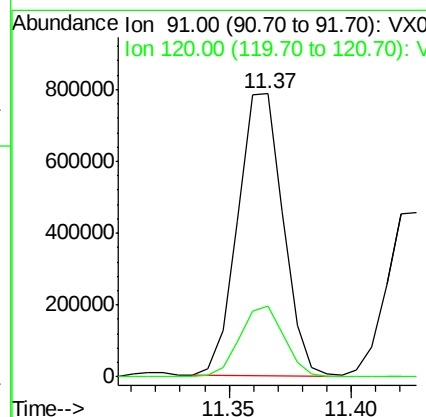
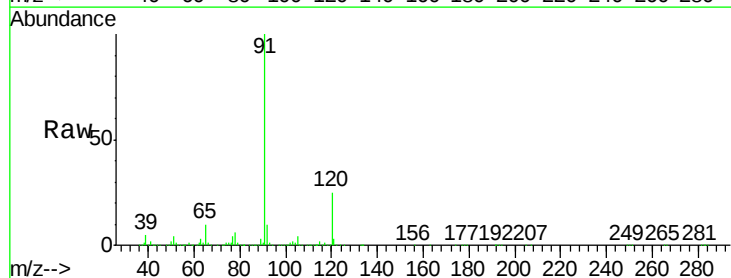
RT: 11.37 min Scan# 1768

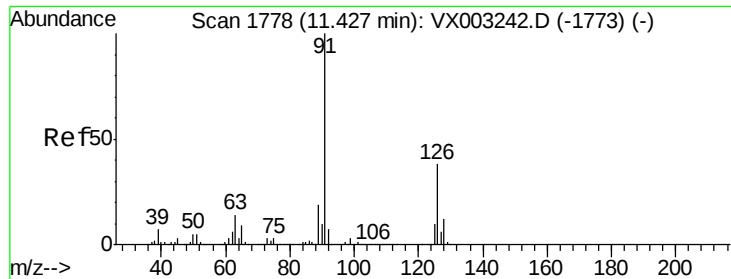
Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.12 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

ICVVX070918

Tot Ion: 91 Resp: 594780

Ion Ratio Lower Upper

91 100

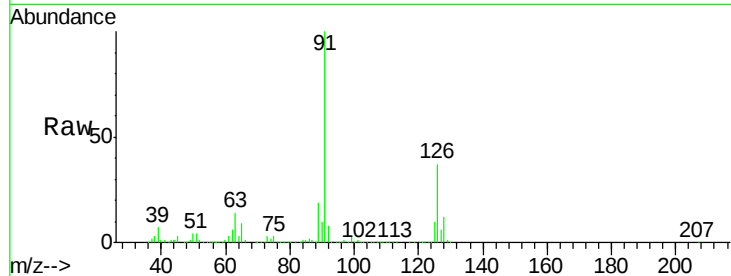
126 36.6 17.7 53.1

Manual Integrations

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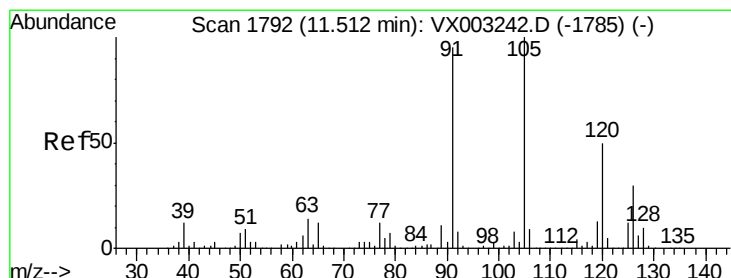
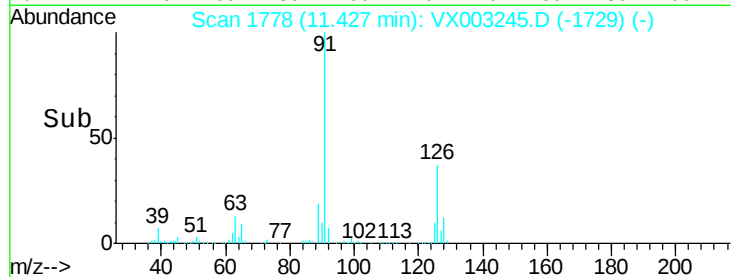
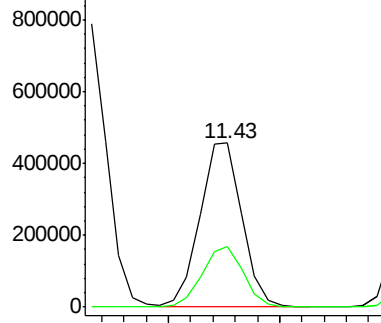
MMDadoda

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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: 50.68 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003245.D

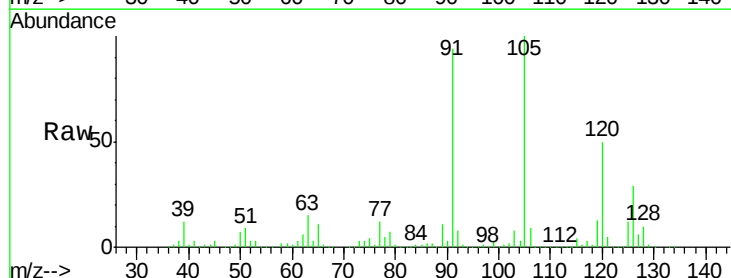
Acq: 09 Jul 2018 14:49

Tgt Ion: 105 Resp: 754300

Ion Ratio Lower Upper

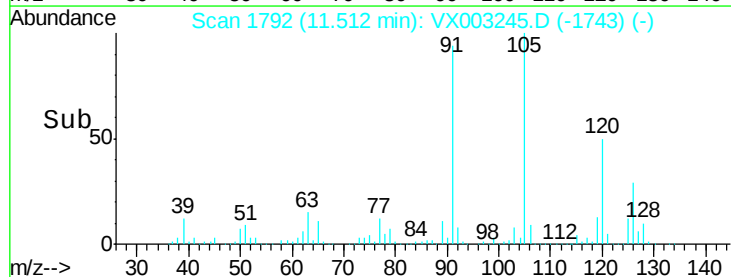
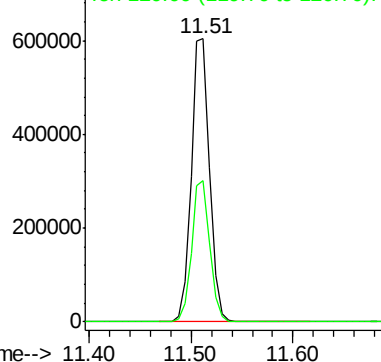
105 100

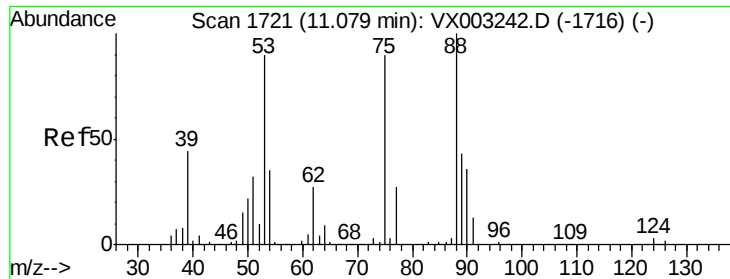
120 49.6 24.4 73.4



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: 53.30 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion: 75 Resp: 79803

Ion Ratio Lower Upper

75 100

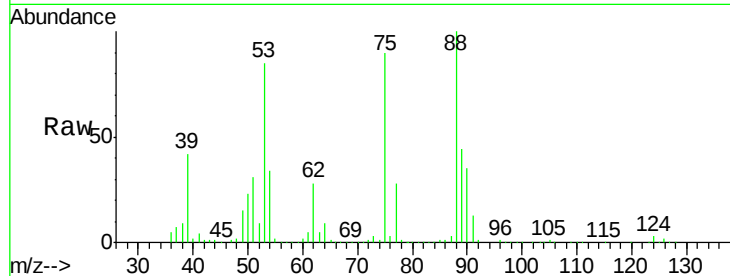
53 100.7 86.8 130.2

89 51.8 38.2 57.2

Manual Integrations
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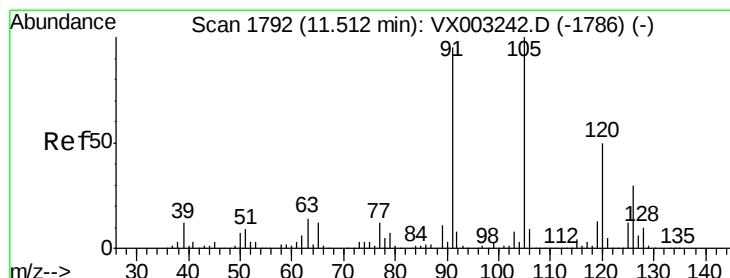
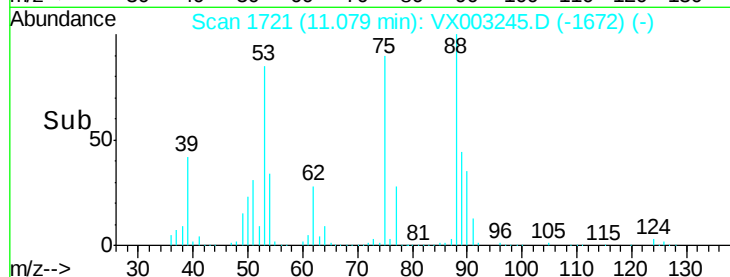
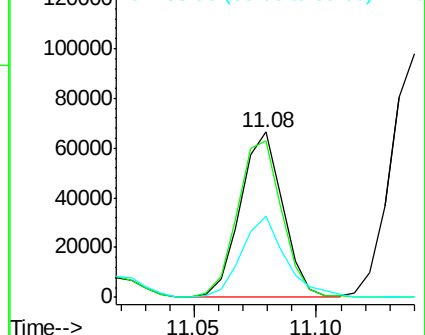
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003245.D

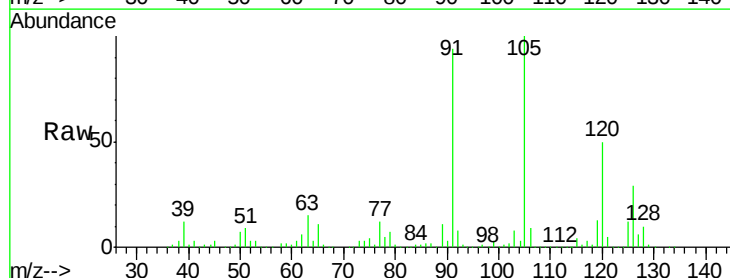
Acq: 09 Jul 2018 14:49

Tgt Ion: 91 Resp: 705171

Ion Ratio Lower Upper

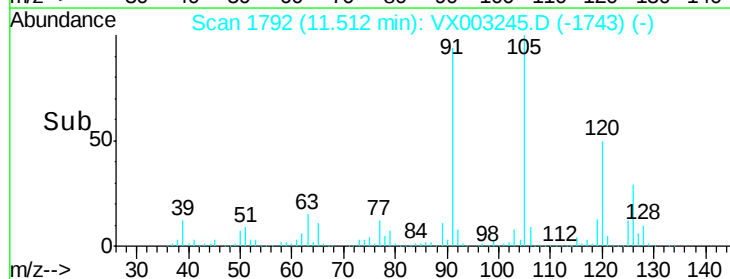
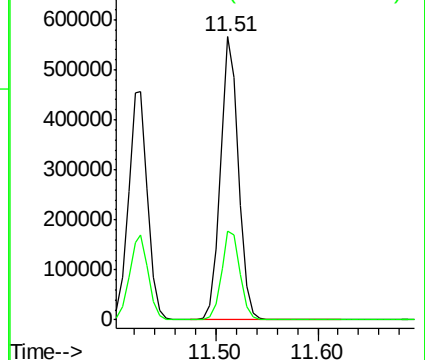
91 100

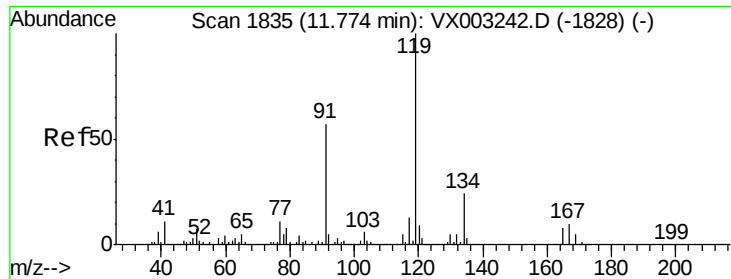
126 32.0 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





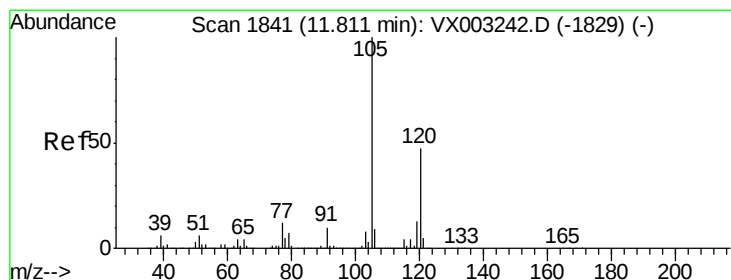
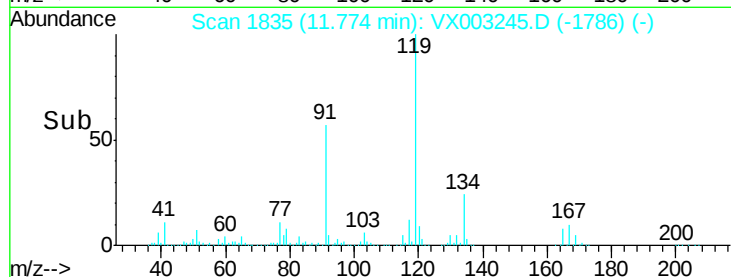
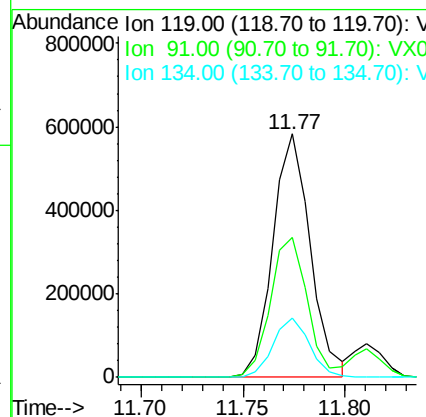
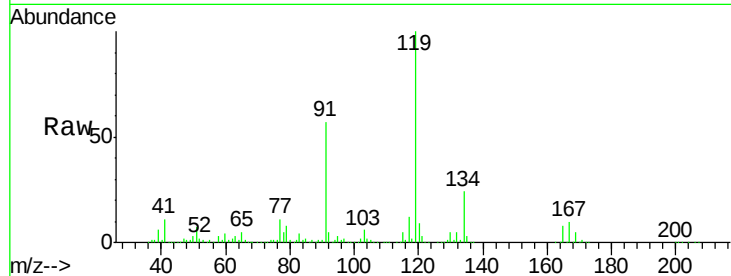
#83
 tert-Butylbenzene
 Concen: 50.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion	Ratio	Resp	Lower	Upper
119	100	746480		
91	56.0		30.3	90.9
134	23.7		11.7	35.1

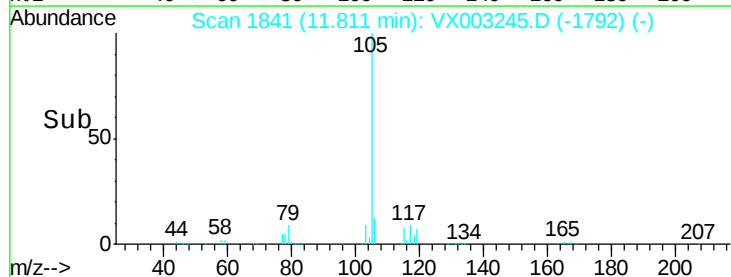
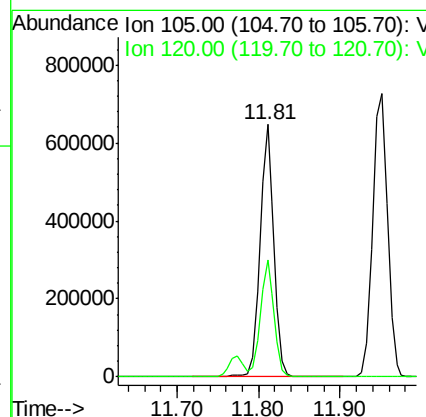
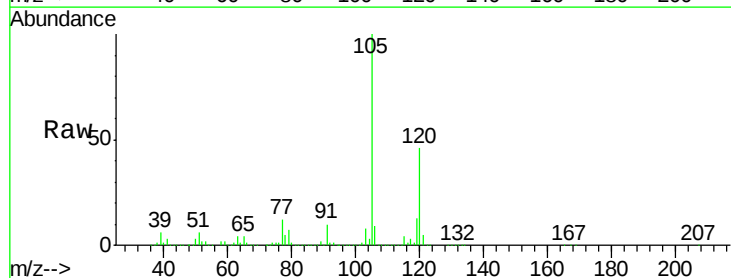
Manual Integrations
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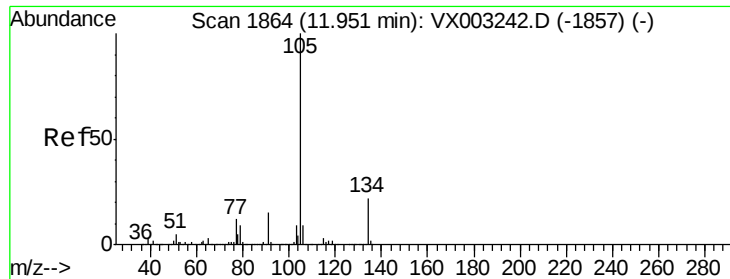
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	775839		
120	46.0		22.3	66.8





#85

sec-Butylbenzene

Concen: 51.10 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX070918

Tot Ion:105 Resp: 898008

Ion Ratio Lower Upper

105 100

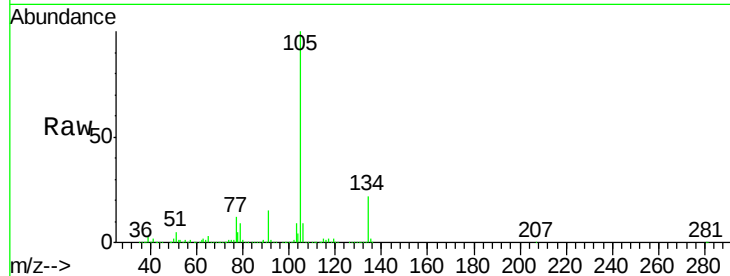
134 21.5 10.4 31.1

Manual Integrations

APPROVED

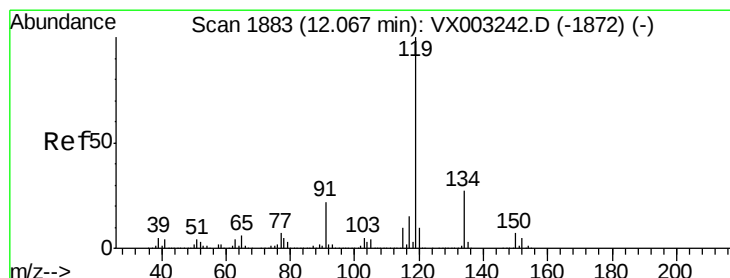
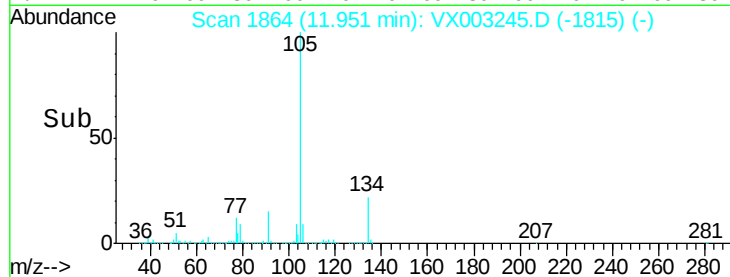
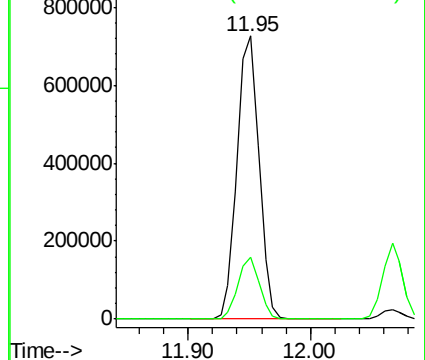
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.68 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

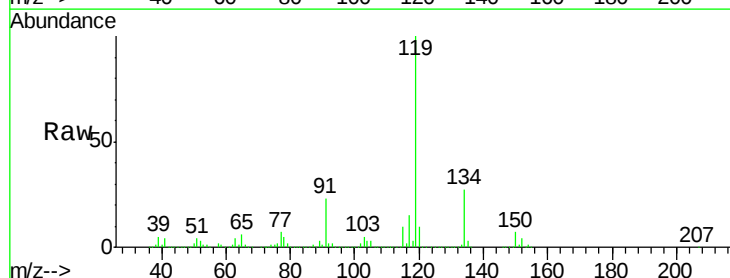
Tgt Ion:119 Resp: 827530

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

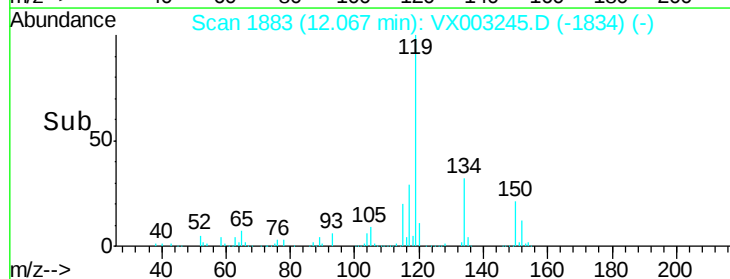
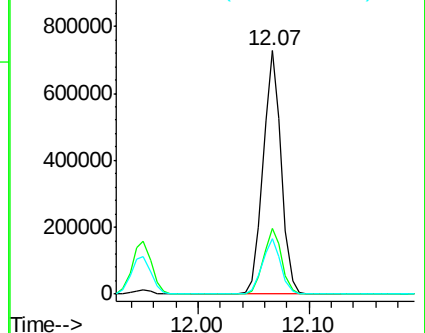
91 22.7 11.9 35.7

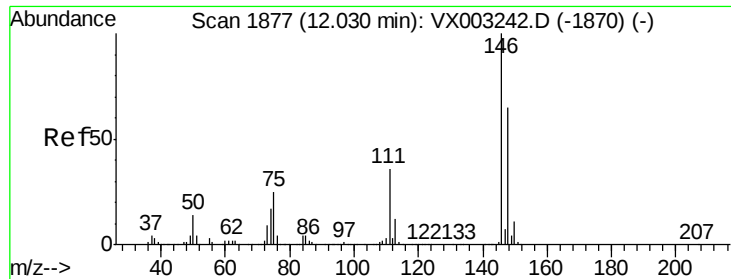


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





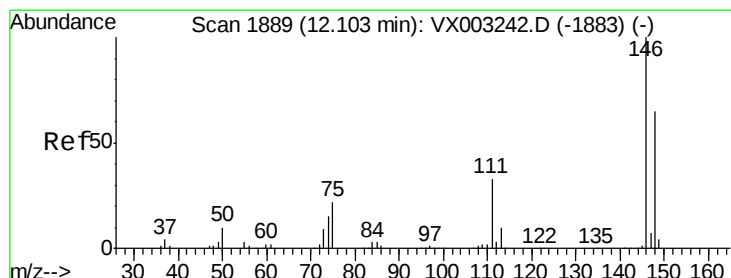
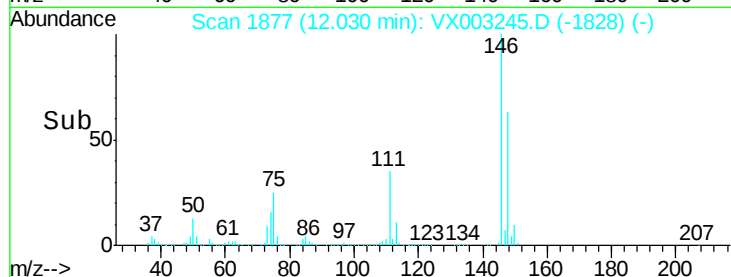
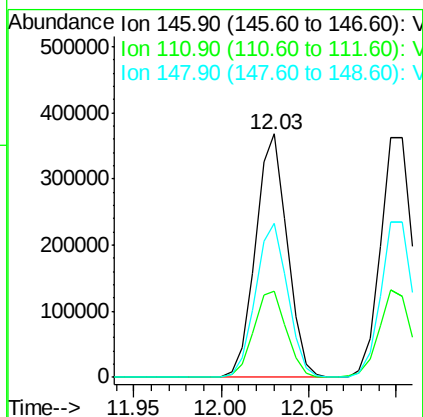
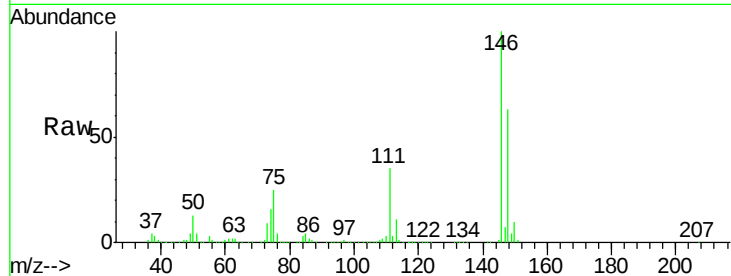
#87
 1,3-Dichlorobenzene
 Concen: 48.78 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.7
148	64.3	32.1	96.3

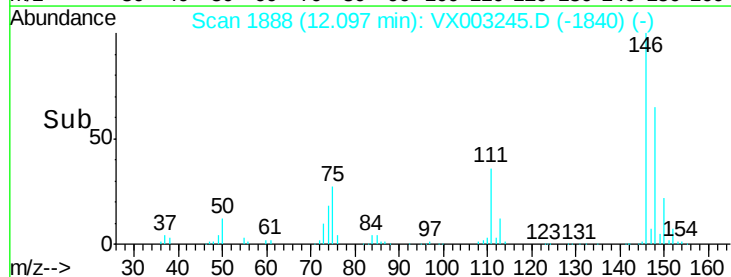
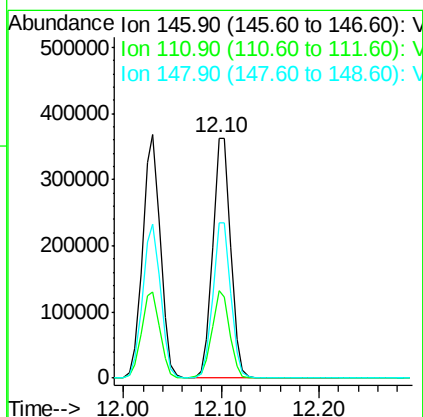
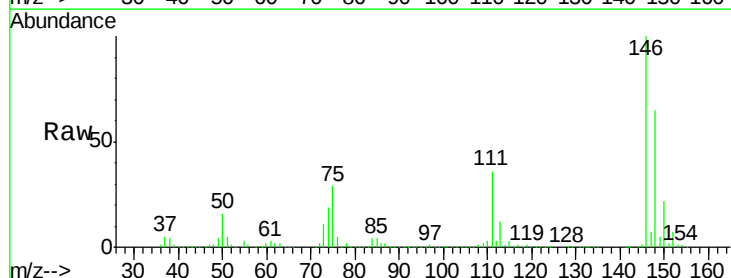
Manual Integrations
 APPROVED

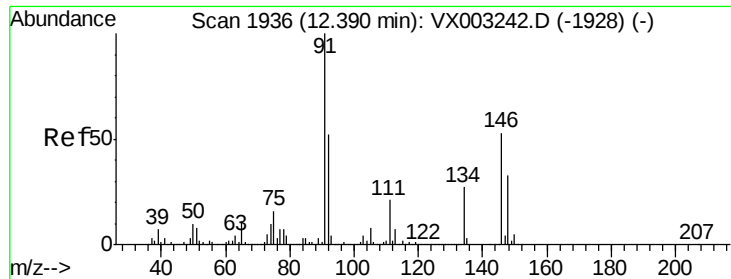
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#88
 1,4-Dichlorobenzene
 Concen: 48.50 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.7	56.1
148	64.2	32.4	97.0





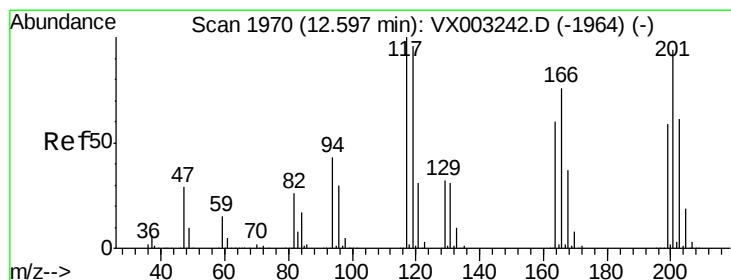
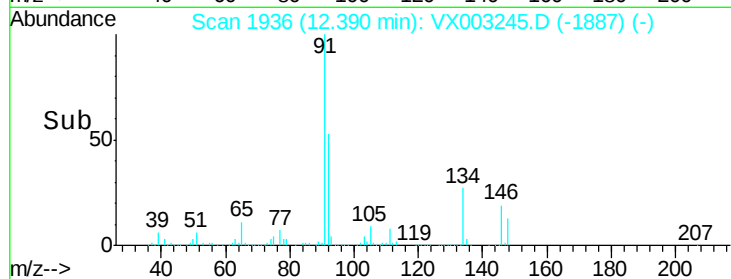
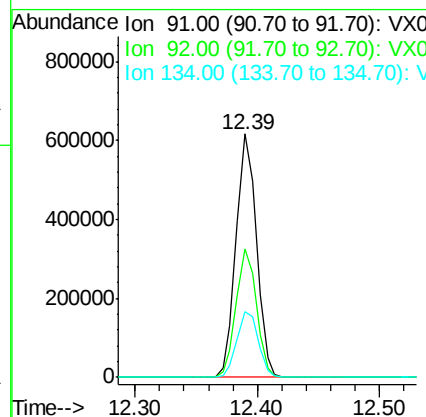
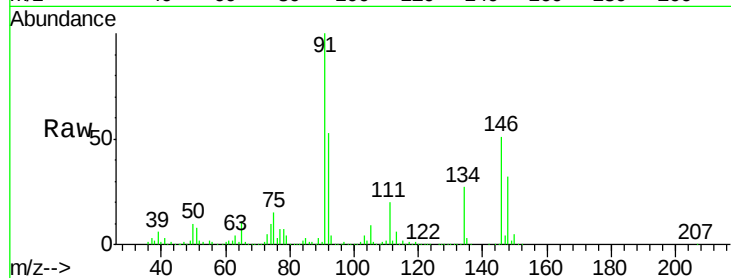
#89
n-Butylbenzene
Concen: 52.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	28.2	13.5	40.5

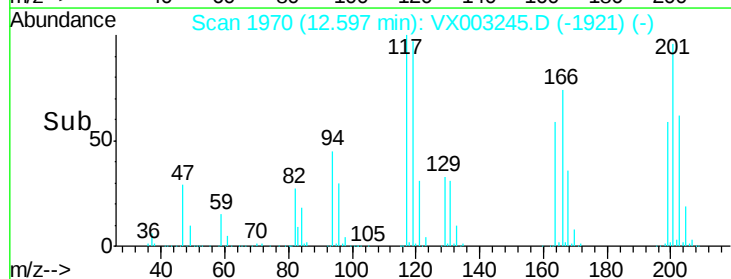
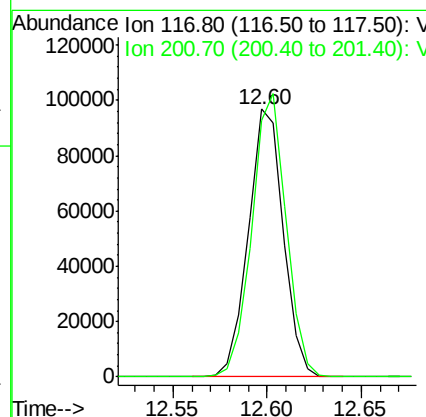
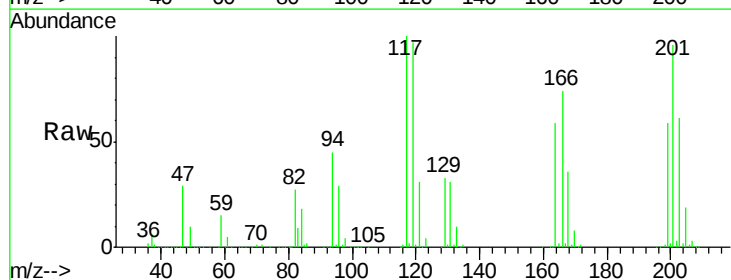
Manual Integrations
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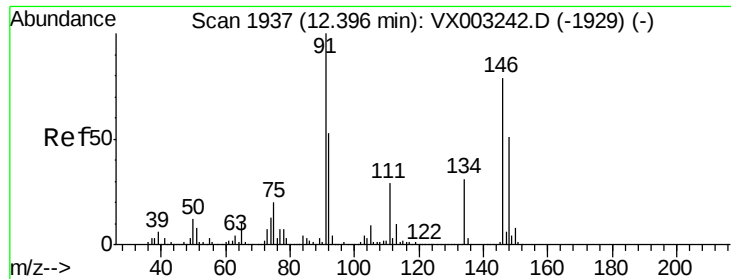
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#90
Hexachloroethane
Concen: 50.95 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.2	49.0	147.0





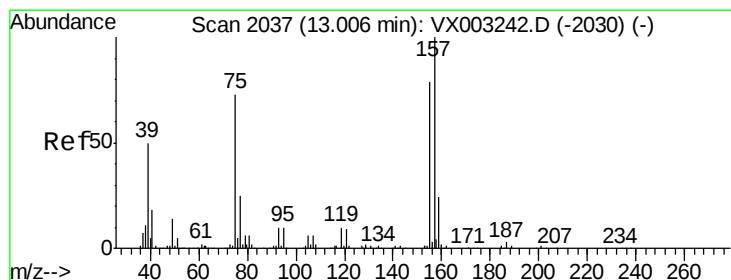
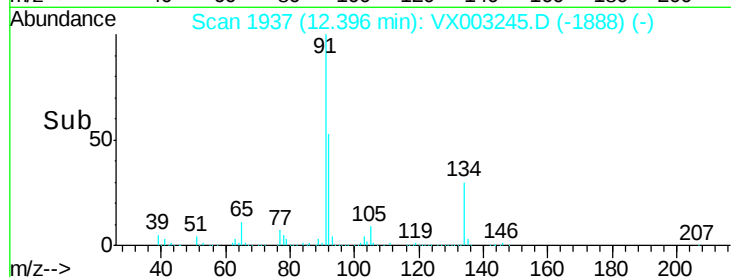
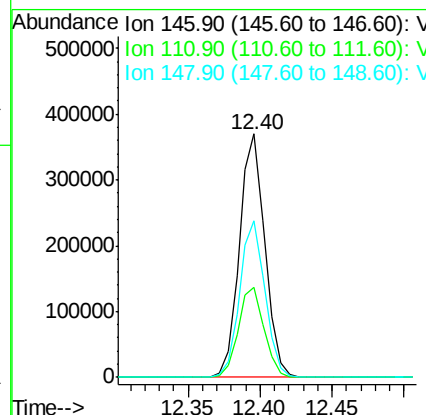
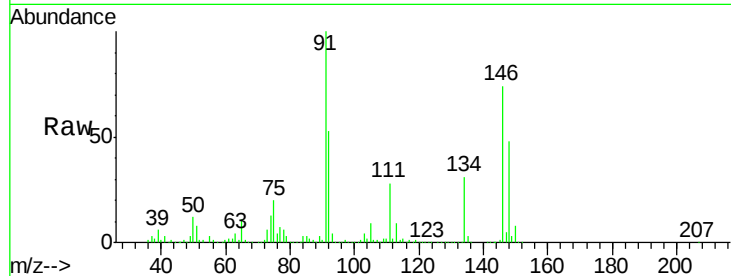
#91
 1,2-Dichlorobenzene
 Concen: 47.89 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070918

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.0	31.7	95.1

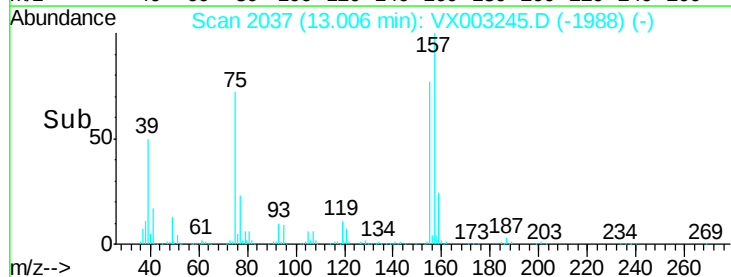
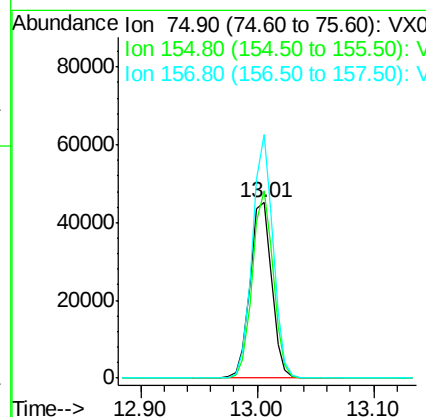
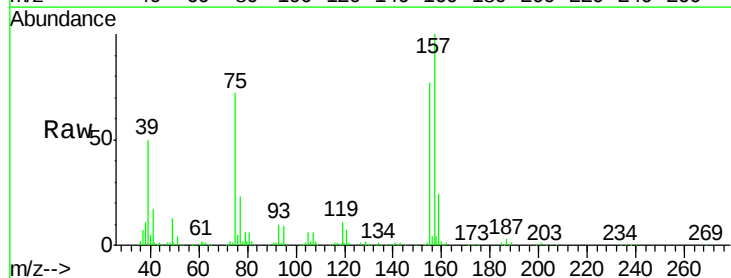
Manual Integrations
 APPROVED

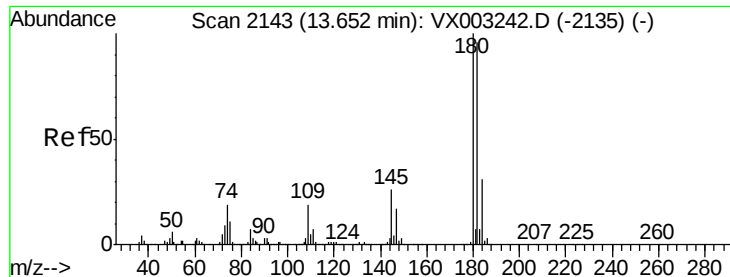
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 7/10/2018 3:11:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.78 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003245.D
 Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	45.8	137.4
157	131.0	60.1	180.3





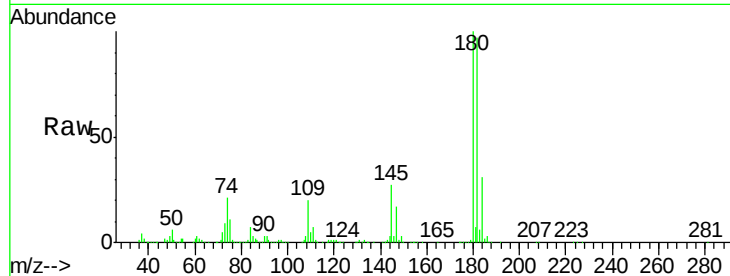
#93
1,2,4-Trichlorobenzene
Concen: 50.81 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070918

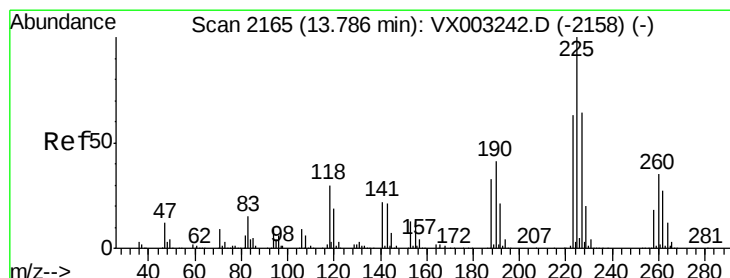
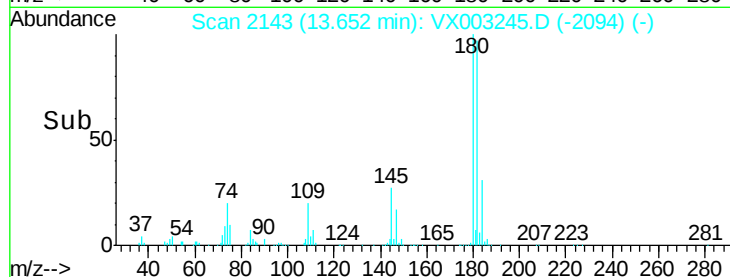
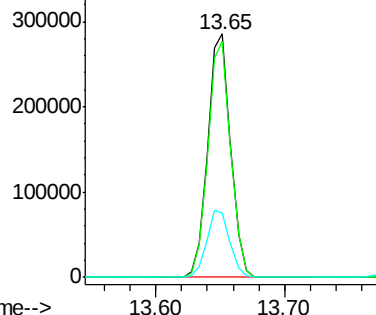
Tot Ion	Ratio	Resp	Lower	Upper
180	100	351554		
182	96.5	47.7	143.1	
145	27.8	14.1	42.4	

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:46 PM

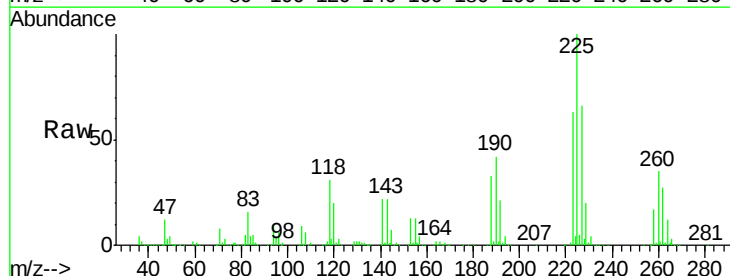


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

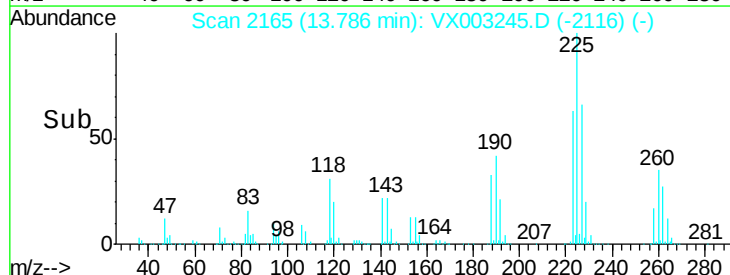
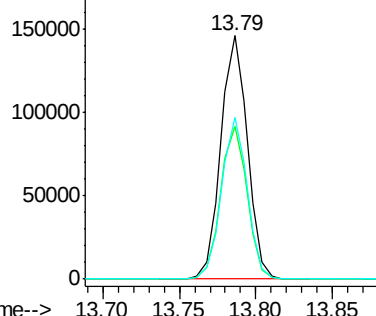


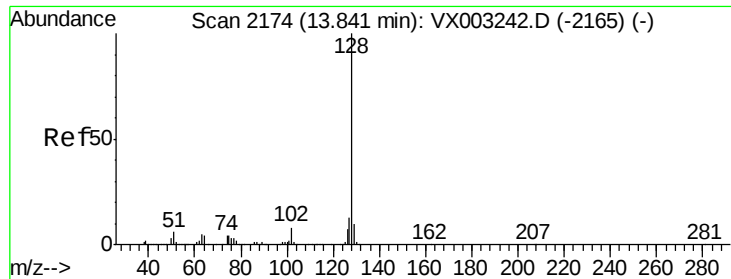
#94
Hexachlorobutadiene
Concen: 50.94 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX003245.D
Acq: 09 Jul 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175471		
223	62.9	31.6	95.0	
227	64.3	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: 51.59 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Instrument :

MSVOA_X

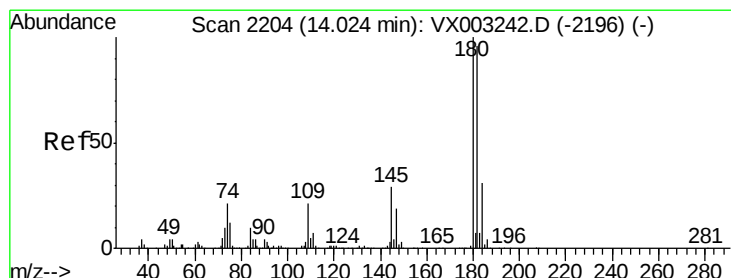
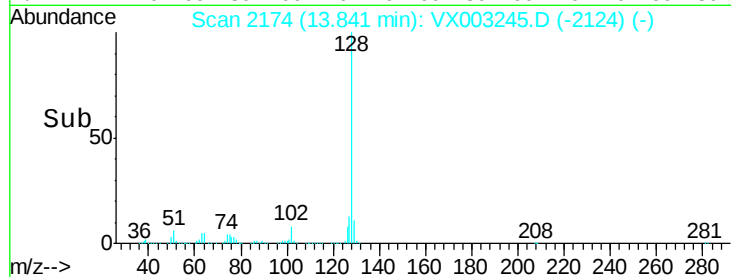
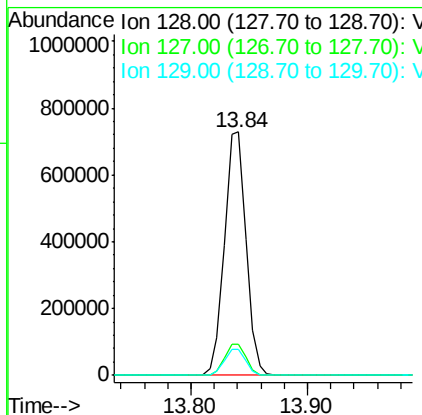
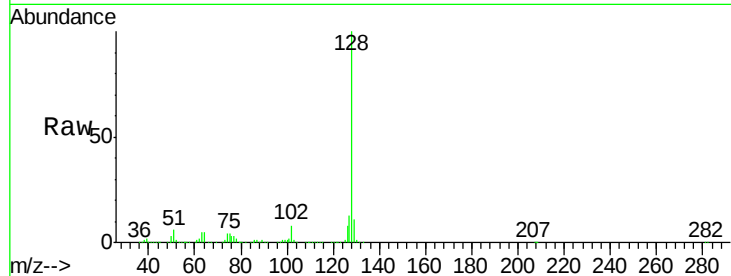
ClientSampleId :

ICVVX070918

Tot Ion:	128	Resp:	933835
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.94 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003245.D

Acq: 09 Jul 2018 14:49

Tgt Ion:	180	Resp:	351498
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.0
145	29.0	14.8	44.3

