

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002366.D
 Acq On : 06 Jun 2018 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2018 11:36:30 AM

Quant Time: Jun 07 05:14:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160385	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
35) Dibromofluoromethane	5.51	113	120552	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	8.72	98	442893	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.14	95	175946	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	54668	29.38	ug/l	100
3) Chloromethane	1.32	50	124956	59.13	ug/l	99
4) Vinyl Chloride	1.41	62	116744	49.78	ug/l	99
5) Bromomethane	1.64	94	71073	53.81	ug/l	100
6) Chloroethane	1.72	64	108850	71.75	ug/l	98
7) Trichlorofluoromethane	1.92	101	146847	41.10	ug/l	100
8) Diethyl Ether	2.19	74	95291	76.30	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	66813	34.65	ug/l	99
10) Methyl Iodide	2.51	142	120864	44.56	ug/l	99
11) Tert butyl alcohol	3.09	59	184679	360.80	ug/l	99
12) 1,1-Dichloroethene	2.37	96	96023	50.39	ug/l	96
13) Acrolein	2.30	56	71895	284.21	ug/l	99
14) Allyl chloride	2.73	41	235106	56.85	ug/l	99
15) Acrylonitrile	3.15	53	404071	375.77	ug/l	99
16) Acetone	2.45	43	374686	347.85	ug/l	99
17) Carbon Disulfide	2.57	76	221427	44.09	ug/l	99
18) Methyl Acetate	2.78	43	197691	78.64	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	499501	76.54	ug/l	100
20) Methylene Chloride	2.86	84	144317	72.55	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	119143	56.70	ug/l	96
22) Diisopropyl ether	3.88	45	456579	66.58	ug/l	98
23) Vinyl Acetate	3.83	43	2000722	298.43	ug/l	100
24) 1,1-Dichloroethane	3.70	63	219020	53.59	ug/l	99
25) 2-Butanone	4.71	43	526389	299.92	ug/l	100
26) 2,2-Dichloropropane	4.59	77	136884	42.84	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	132988	58.19	ug/l	92
28) Bromochloromethane	5.02	49	118300	69.44	ug/l	99
29) Tetrahydrofuran	5.17	42	345440	305.27	ug/l	99
30) Chloroform	5.22	83	236341	59.92	ug/l	99
31) Cyclohexane	5.57	56	110078	34.06	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	175666	52.52	ug/l	99
36) 1,1-Dichloropropene	5.81	75	136006	40.68	ug/l	99
37) Ethyl Acetate	4.87	43	213467	53.09	ug/l	99
38) Carbon Tetrachloride	5.79	117	133411	38.14	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97618	23.77	ug/l	99
40) Benzene	6.15	78	501167	48.89	ug/l	99
41) Methacrylonitrile	5.07	41	119904	52.09	ug/l	98
42) 1,2-Dichloroethane	6.20	62	210742	51.74	ug/l	100
43) Isopropyl Acetate	6.47	43	355832	52.10	ug/l	100
44) Trichloroethene	7.21	130	130651	45.92	ug/l	97
45) 1,2-Dichloropropane	7.52	63	140272	50.69	ug/l	97
46) Dibromomethane	7.67	93	96552	51.47	ug/l	99
47) Bromodichloromethane	7.90	83	172062	50.71	ug/l	99
48) Methyl methacrylate	7.78	41	180615	52.65	ug/l	99
49) 1,4-Dioxane	7.76	88	68922	1074.56	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1157745	272.23	ug/l	100
52) Toluene	8.79	92	321125	49.25	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	203905	50.11	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190748	49.69	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	142788	53.25	ug/l	97
56) Ethyl methacrylate	9.18	69	231010	53.96	ug/l	99
57) 1,3-Dichloropropane	9.38	76	240944	53.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	527466	266.20	ug/l	99
59) 2-Hexanone	9.50	43	886431	269.85	ug/l	99
60) Dibromochloromethane	9.59	129	143671	53.27	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151282	54.11	ug/l	99
64) Tetrachloroethene	9.34	164	137273	41.59	ug/l	100
65) Chlorobenzene	10.14	112	381247	47.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	142311	49.36	ug/l	100
67) Ethyl Benzene	10.26	91	618718	46.43	ug/l	98
68) m/p-Xylenes	10.37	106	485434	93.71	ug/l	99
69) o-Xylene	10.70	106	252235	48.93	ug/l	97
70) Styrene	10.71	104	424992	50.43	ug/l	99
71) Bromoform	10.86	173	110047	43.13	ug/l	100
73) Isopropylbenzene	11.02	105	614951	44.58	ug/l	100
74) N-amyl acetate	6.47	43	355832	47.88	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	219870	50.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	215176m	49.46	ug/l	
77) Bromobenzene	11.26	156	187917	48.53	ug/l	99
78) n-propylbenzene	11.37	91	679738	44.34	ug/l	100
79) 2-Chlorotoluene	11.43	91	447569	46.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	539790	45.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	51956	41.86	ug/l	95
82) 4-Chlorotoluene	11.51	91	522789	46.79	ug/l	100
83) tert-Butylbenzene	11.77	119	512927	44.52	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	573711	47.11	ug/l	98
85) sec-Butylbenzene	11.95	105	577525	42.76	ug/l	100
86) p-Isopropyltoluene	12.07	119	536673	43.63	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	327537	47.31	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	335245	46.98	ug/l	99
89) n-Butylbenzene	12.39	91	428196	41.50	ug/l	99
90) Hexachloroethane	12.60	117	79444	40.46	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	352426	49.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49632	52.32	ug/l	98

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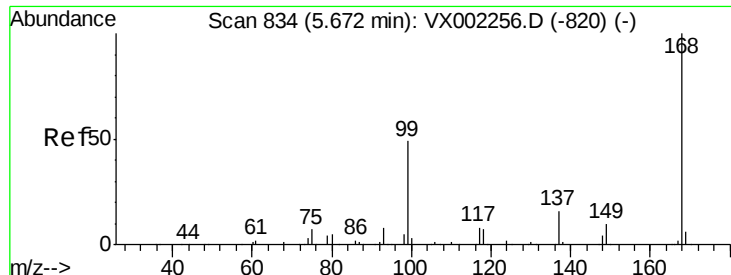
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	234092	46.60	ug/l	100
94) Hexachlorobutadiene	13.79	225	94596	38.11	ug/l	98
95) Naphthalene	13.84	128	755771	52.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	251268	49.05	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. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 179003

Ion Ratio Lower Upper

168 100

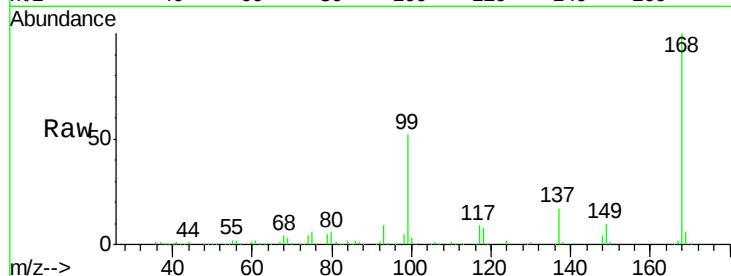
99 52.0 39.3 58.9

Manual Integrations

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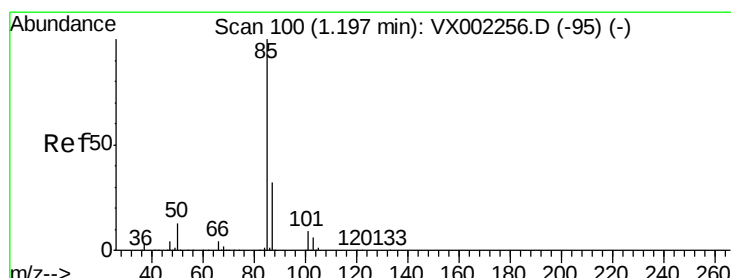
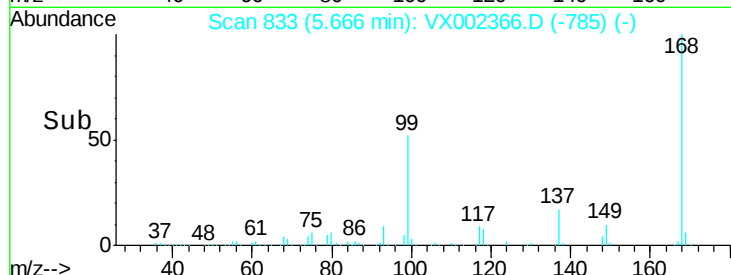
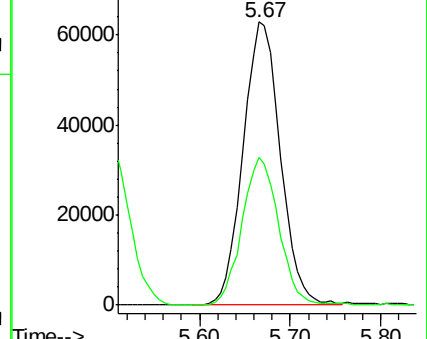
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 29.38 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002366.D

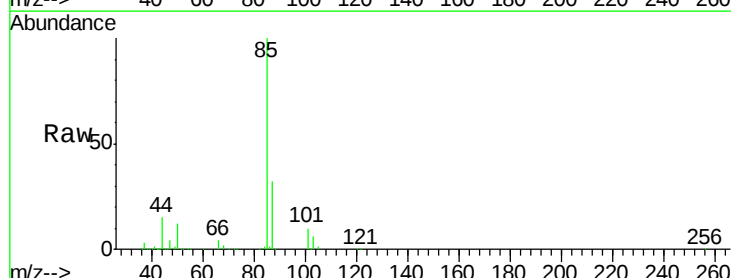
Acq: 06 Jun 2018 21:16

Tgt Ion: 85 Resp: 54668

Ion Ratio Lower Upper

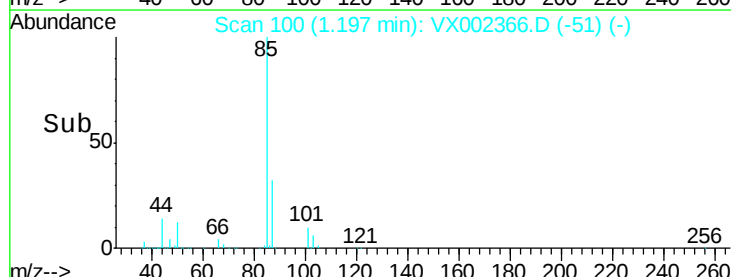
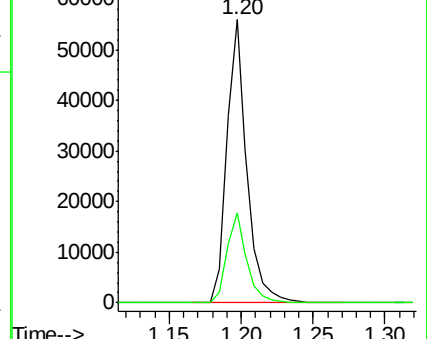
85 100

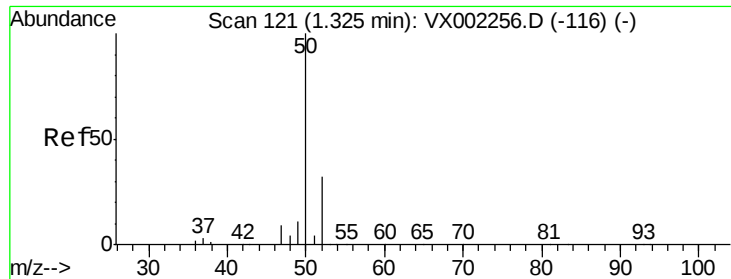
87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 59.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124956

Ion Ratio Lower Upper

50 100

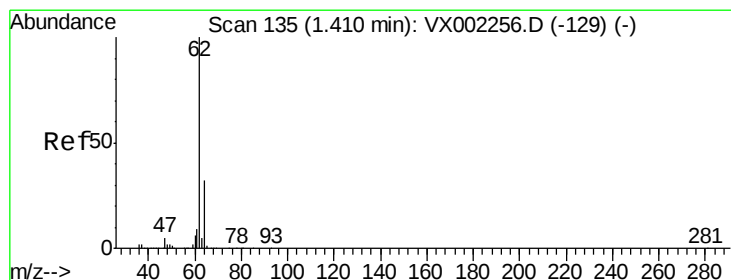
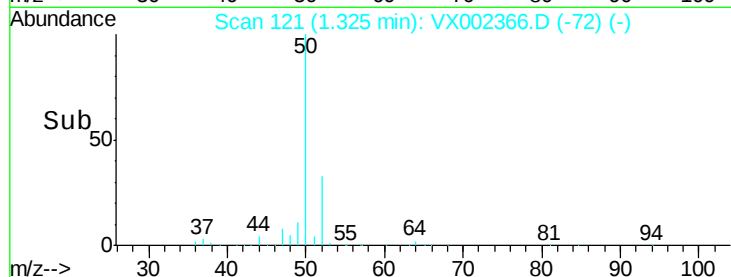
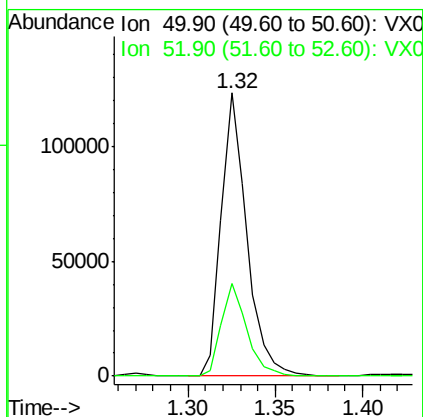
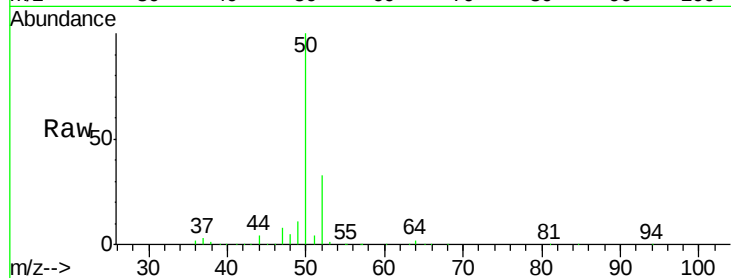
52 32.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.78 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002366.D

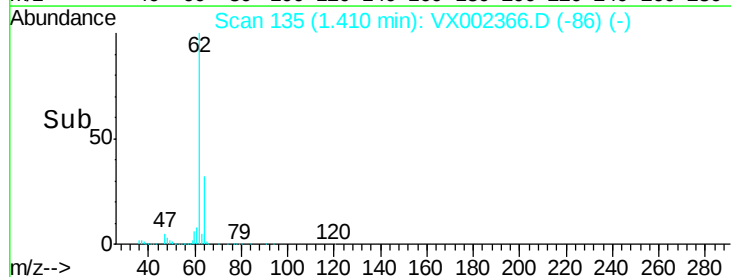
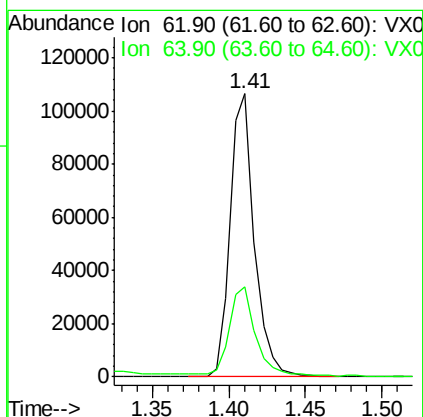
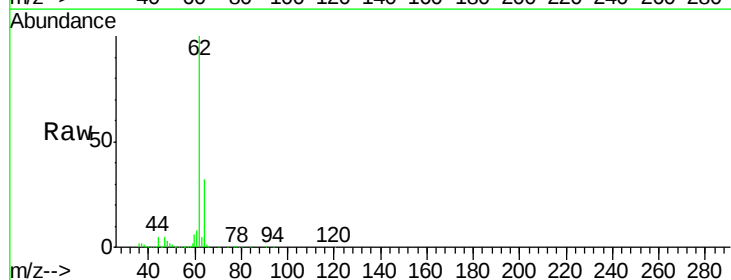
Acq: 06 Jun 2018 21:16

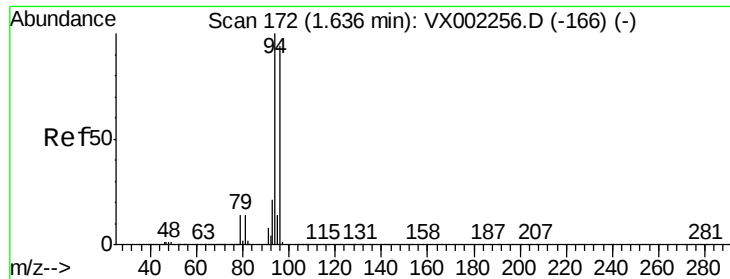
Tgt Ion: 62 Resp: 116744

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 53.81 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71073

Ion Ratio Lower Upper

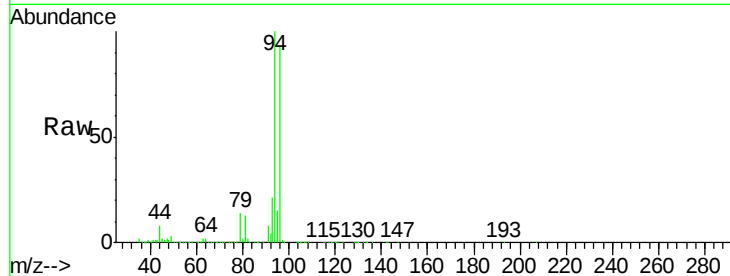
94 100

96 93.4 74.9 112.3

Manual Integrations
APPROVED

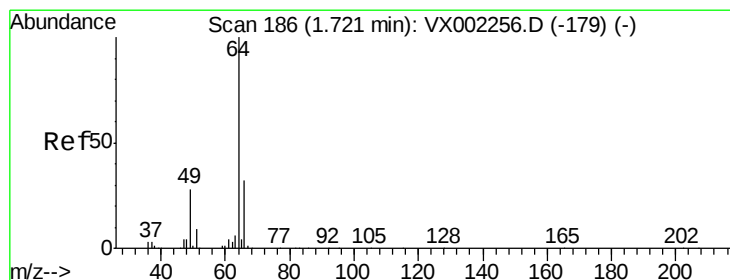
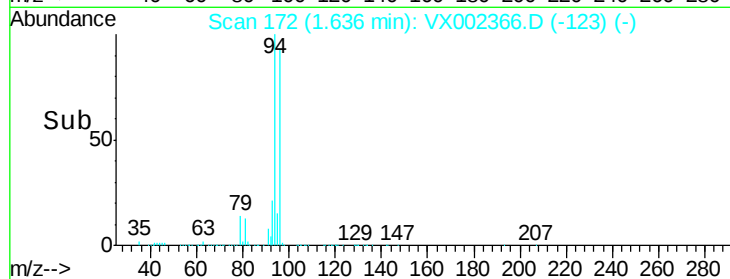
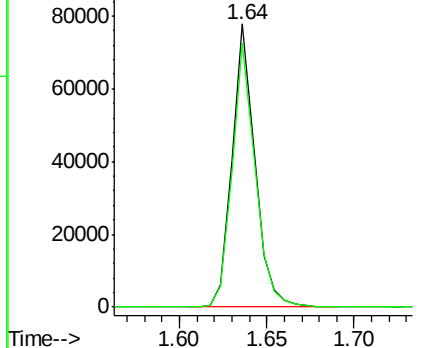
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 71.75 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002366.D

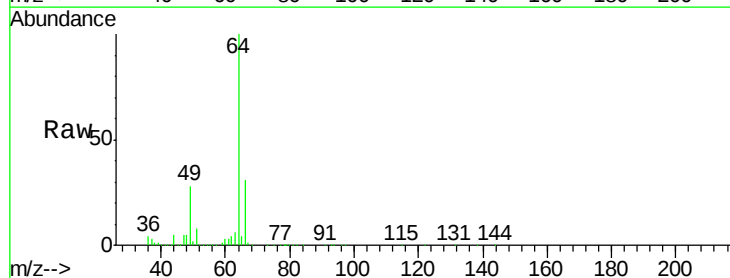
Acq: 06 Jun 2018 21:16

Tgt Ion: 64 Resp: 108850

Ion Ratio Lower Upper

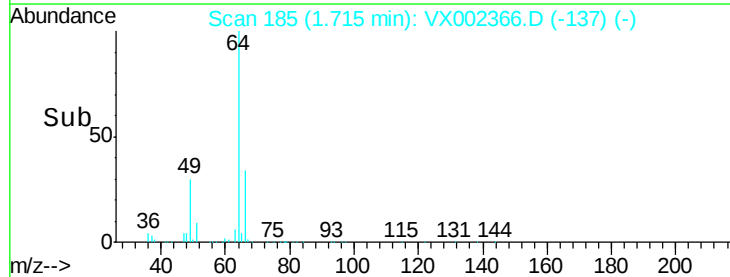
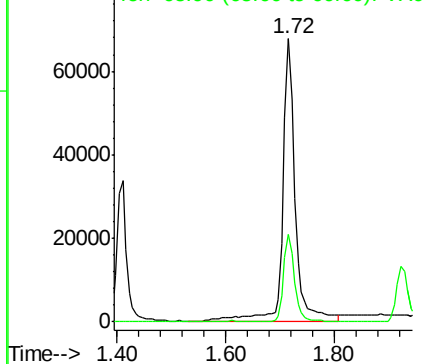
64 100

66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

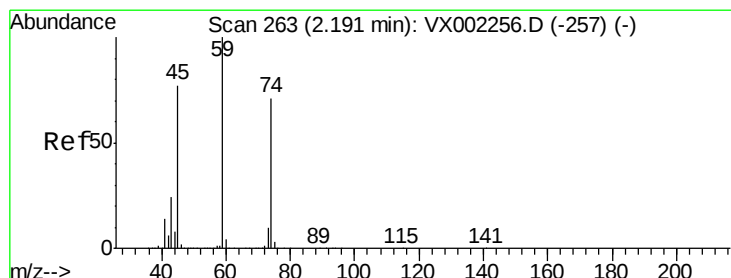
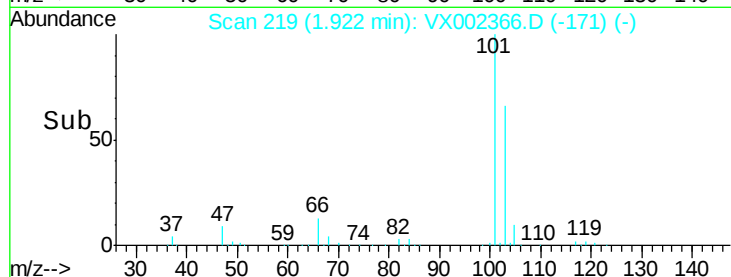
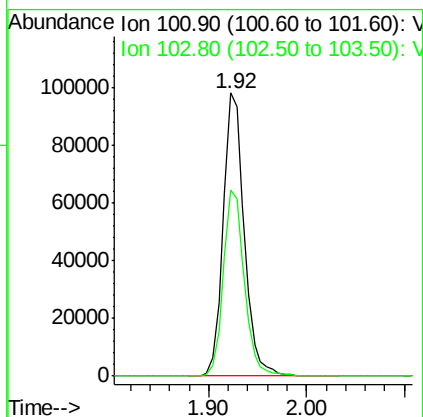
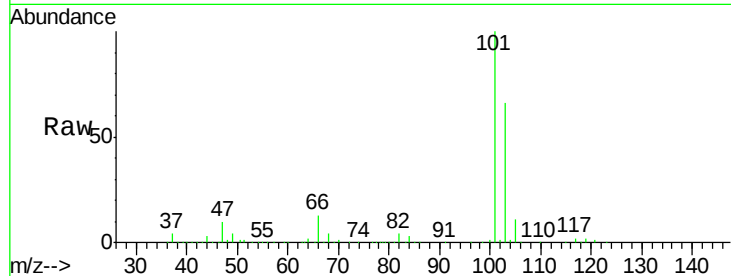
Trichlorofluoromethane
 Concen: 41.10 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

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Tot Ion:101 Resp: 146847
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.8 79.2

Manual Integrations
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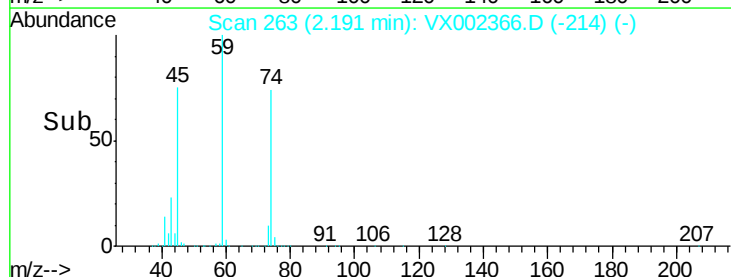
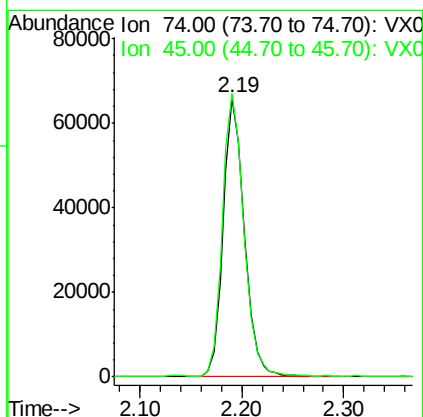
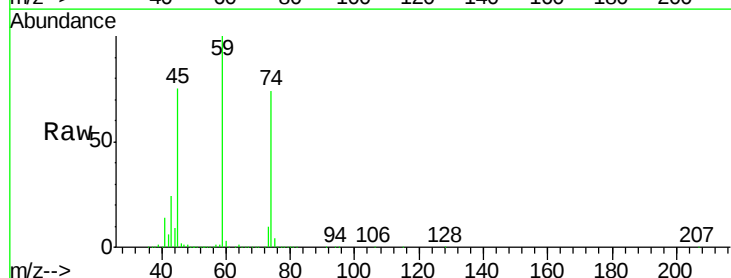
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 6/7/2018 11:36:30 AM

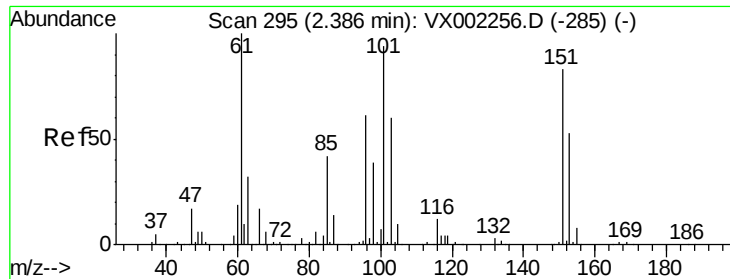


#8

Diethyl Ether
 Concen: 76.30 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion: 74 Resp: 95291
 Ion Ratio Lower Upper
 74 100
 45 102.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.65 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

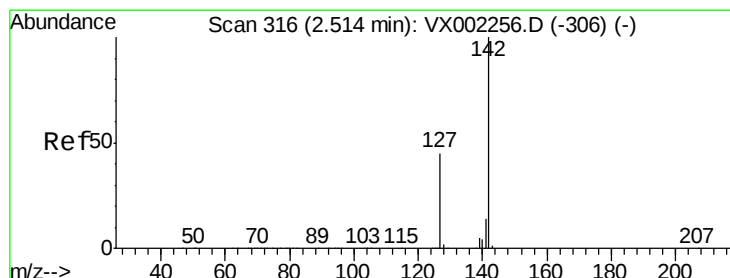
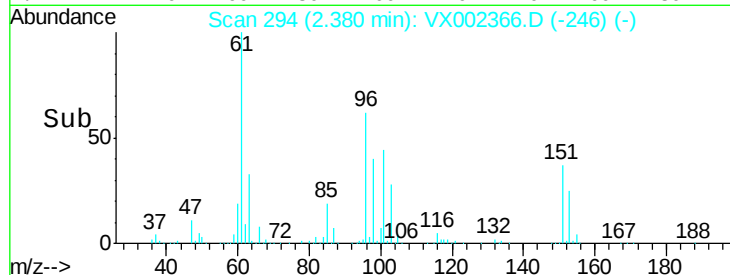
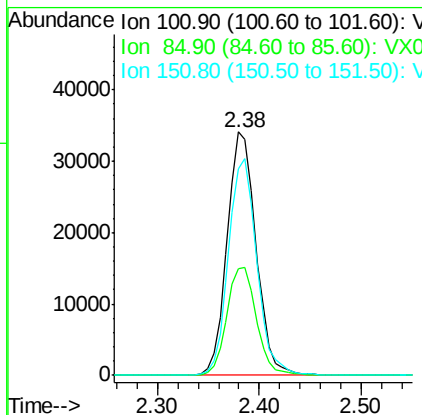
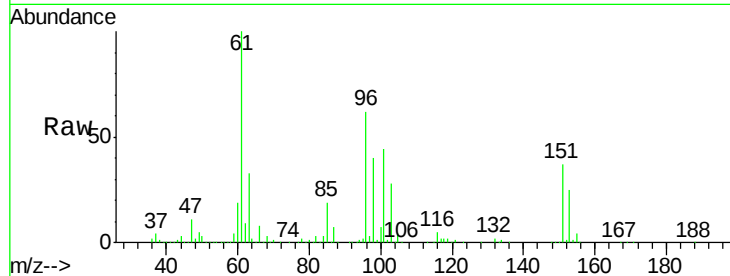
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	66813
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	87.4	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 44.56 ug/l

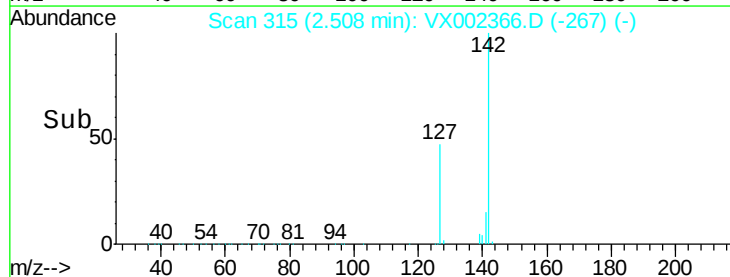
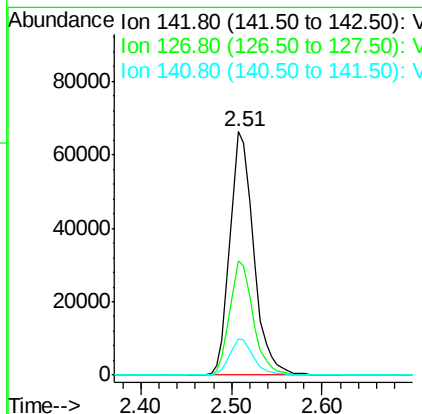
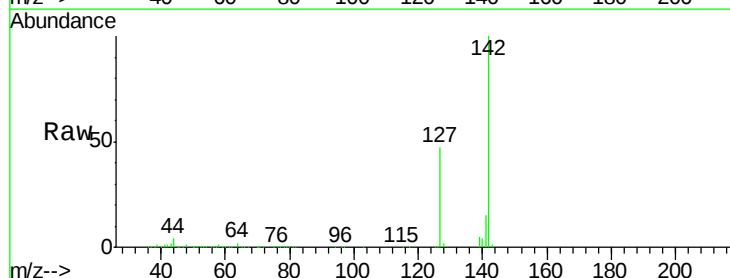
RT: 2.51 min Scan# 315

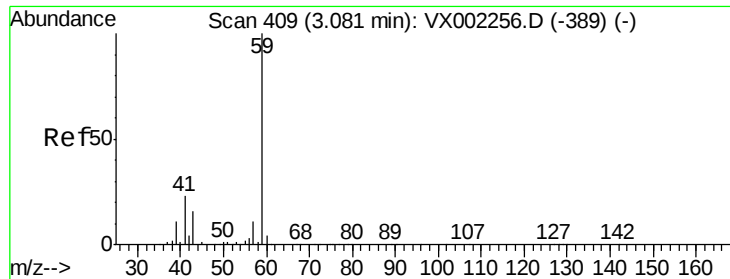
Delta R.T. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	142	Resp:	120864
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.6	55.0
141	14.9	11.3	16.9





#11

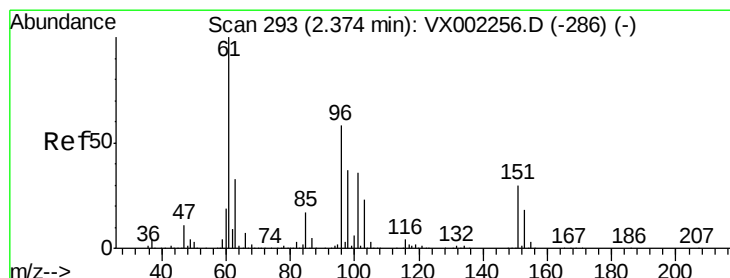
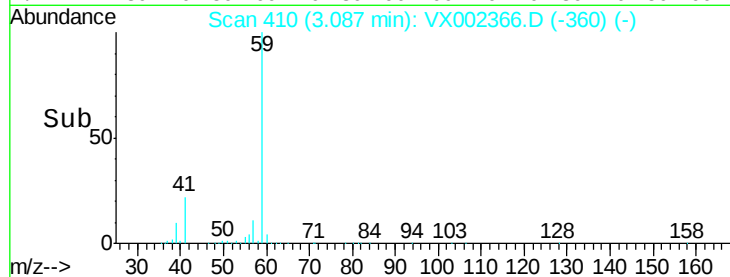
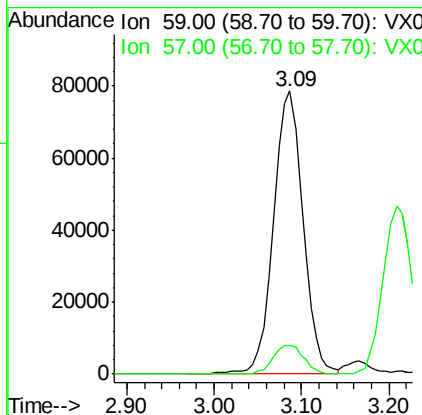
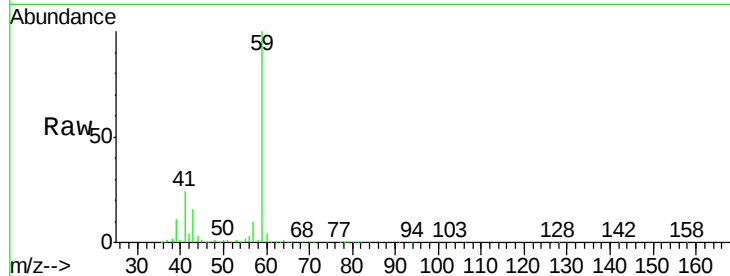
Tert butyl alcohol
Concen: 360.80 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	184679
Ion Ratio	59	100	Lower Upper
	57	10.5	8.2 12.2

Manual Integrations
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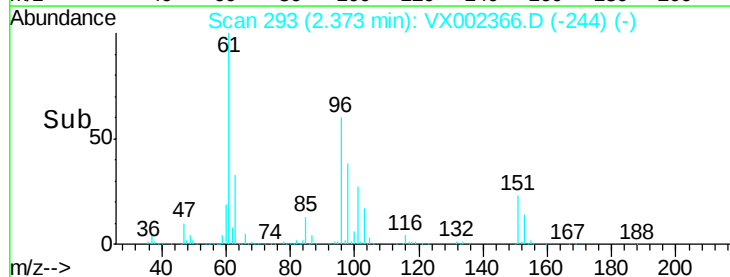
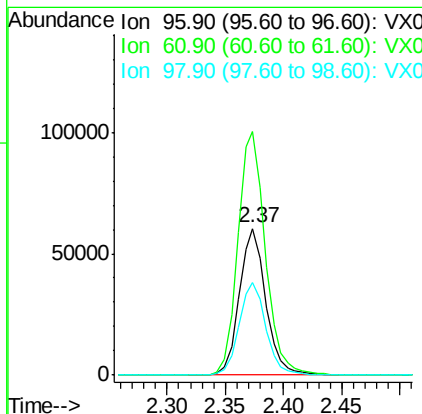
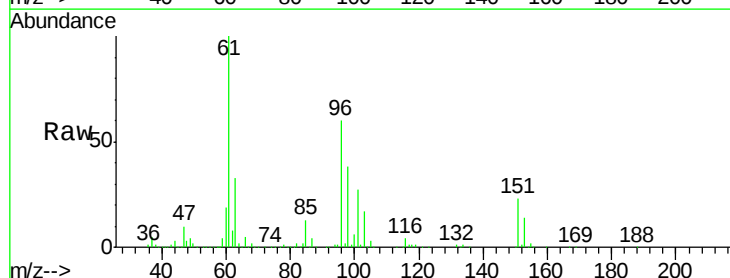
MMDadoda
6/7/2018 11:36:30 AM

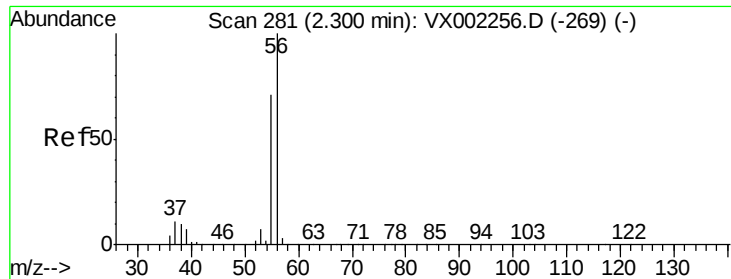


#12

1,1-Dichloroethene
Concen: 50.39 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	96	Resp	96023
Ion Ratio	96	100	Lower Upper
	61	165.8	137.9 206.9
	98	62.9	51.6 77.4





#13

Acrolein

Concen: 284.21 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71895

Ion Ratio Lower Upper

56 100

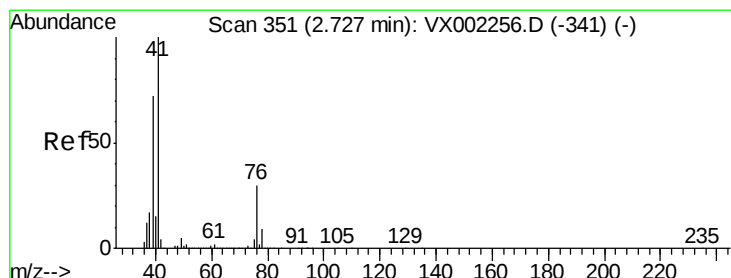
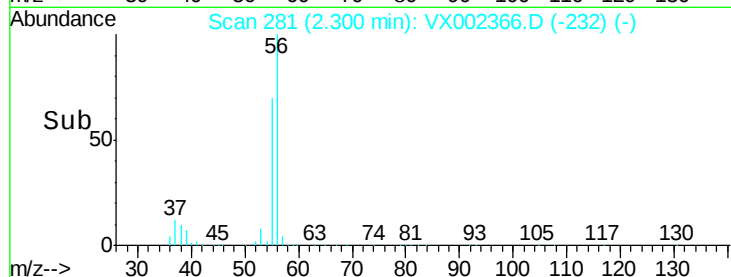
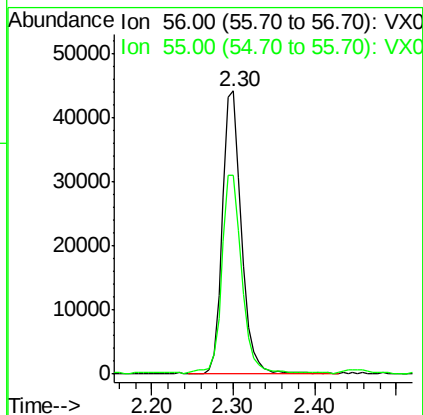
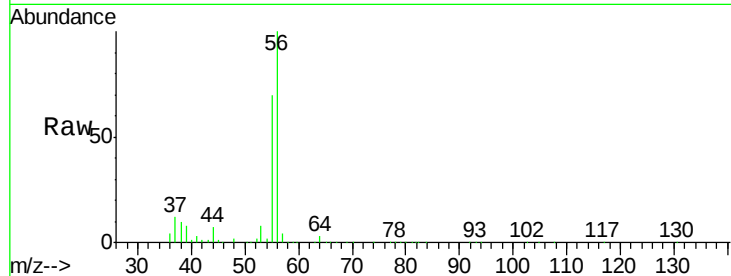
55 71.9 57.0 85.4

Manual Integrations

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6/7/2018 11:36:30 AM



#14

Allyl chloride

Concen: 56.85 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

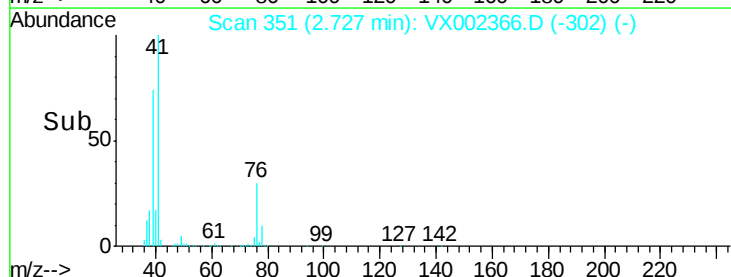
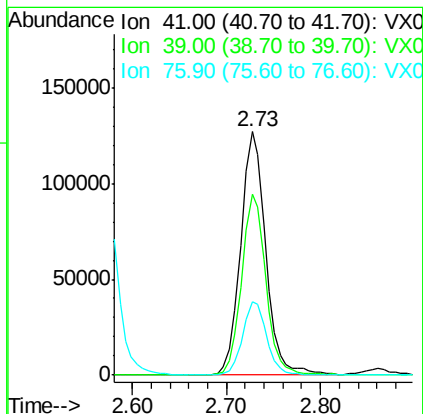
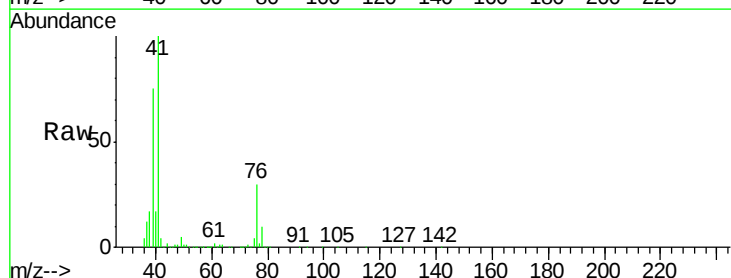
Tgt Ion: 41 Resp: 235106

Ion Ratio Lower Upper

41 100

39 71.9 56.8 85.2

76 28.9 23.8 35.8





#15

Acrylonitrile

Concen: 375.77 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

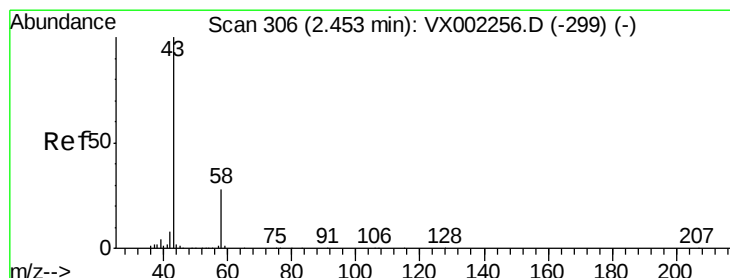
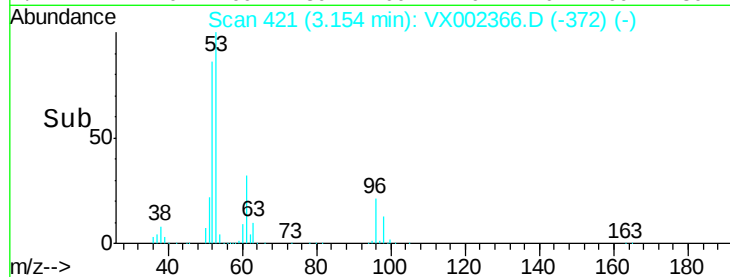
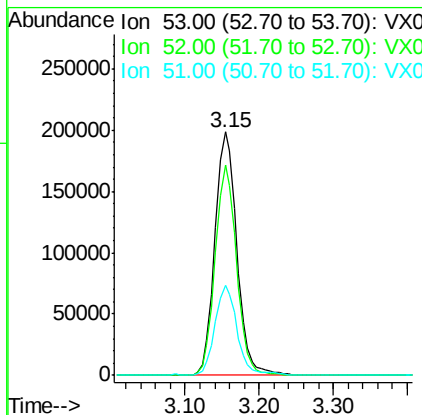
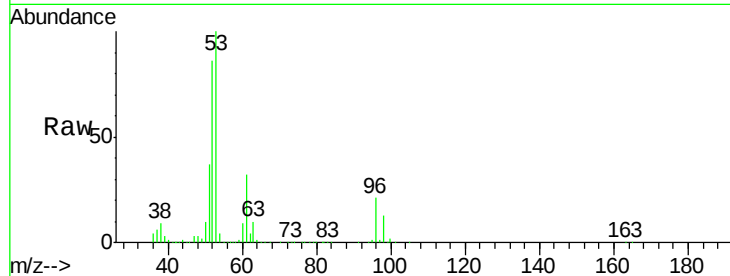
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	404071
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 347.85 ug/l

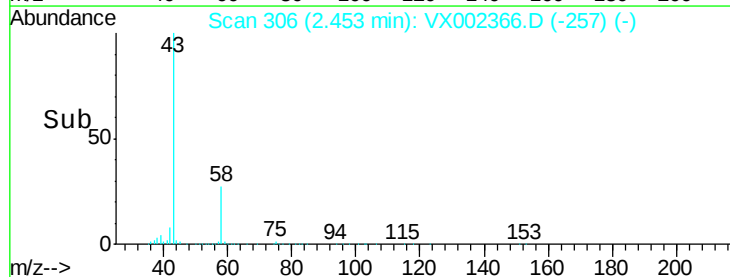
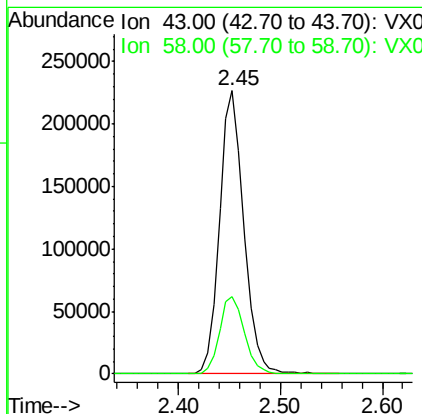
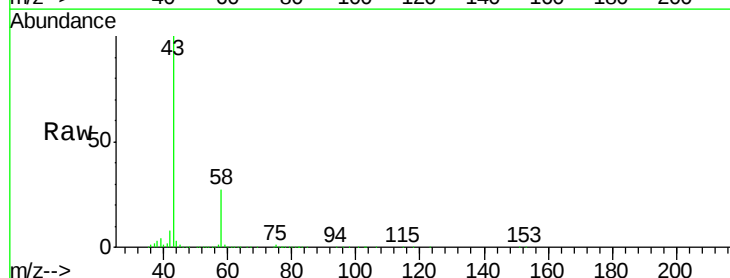
RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	43	Resp:	374686
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.1	33.1





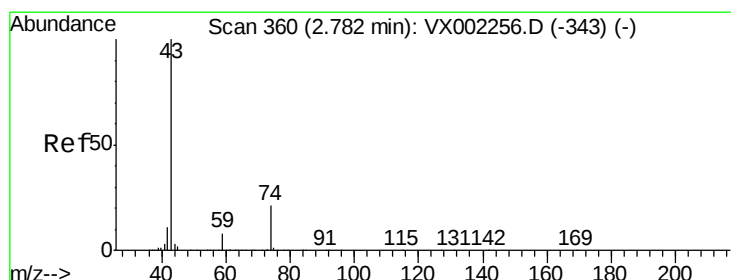
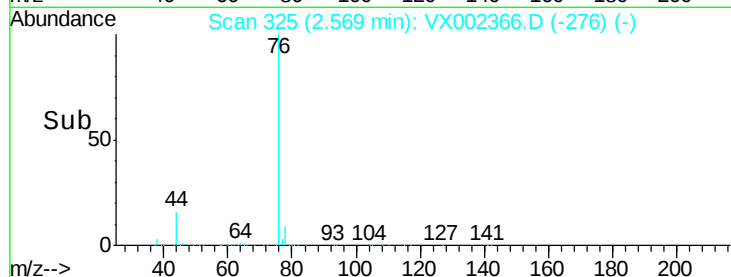
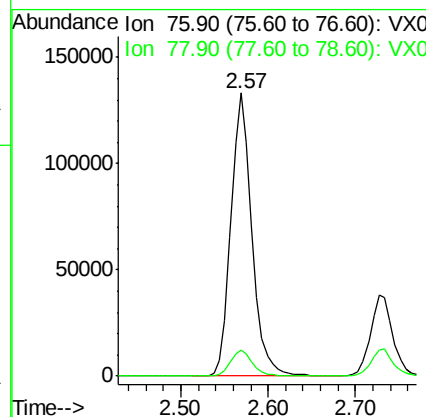
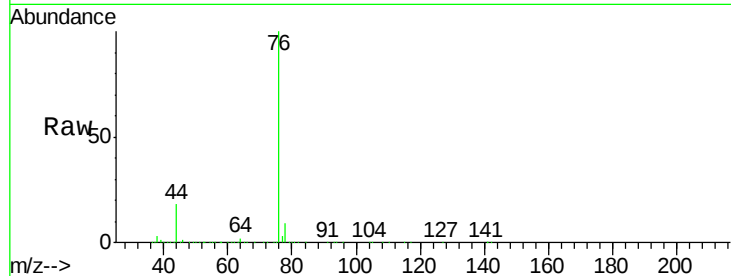
#17
Carbon Disulfide
Concen: 44.09 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	221427		
78	9.1	6.9	10.3	

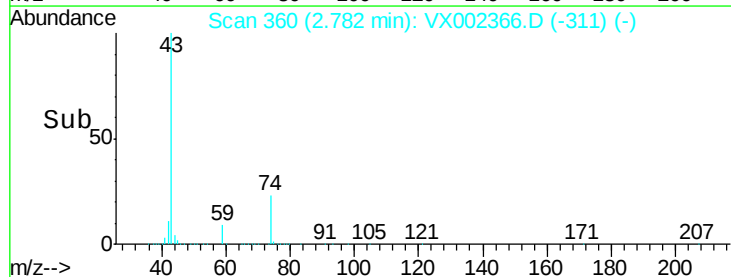
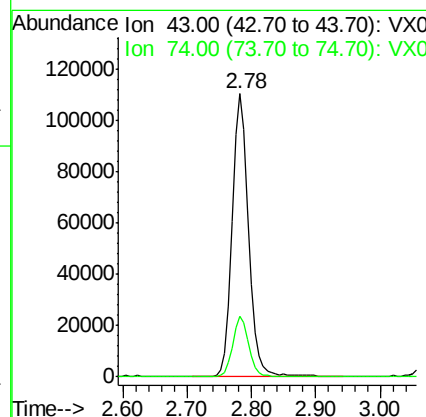
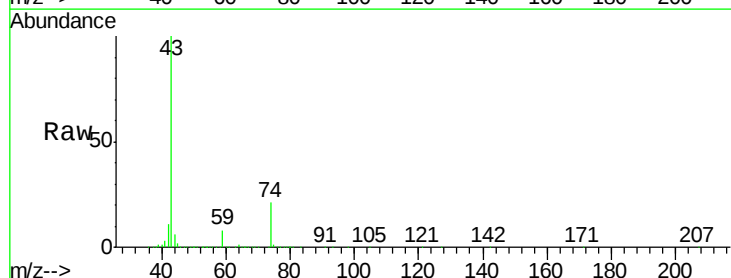
Manual Integrations
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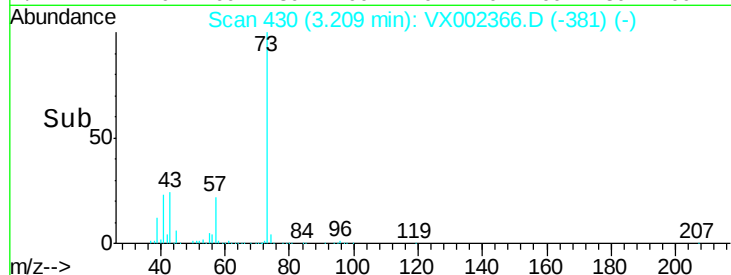
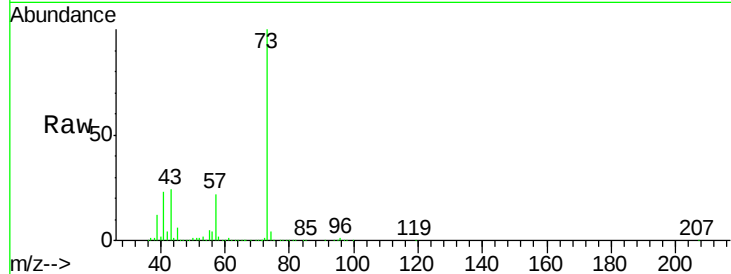
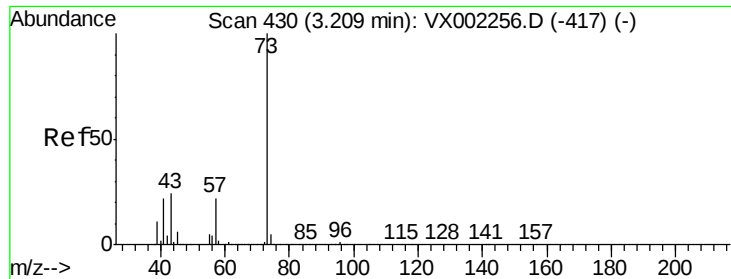
MMDadoda
6/7/2018 11:36:30 AM



#18
Methyl Acetate
Concen: 78.64 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	197691		
74	20.5	16.7	25.1	





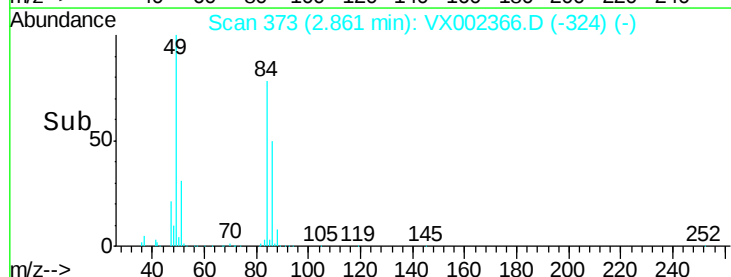
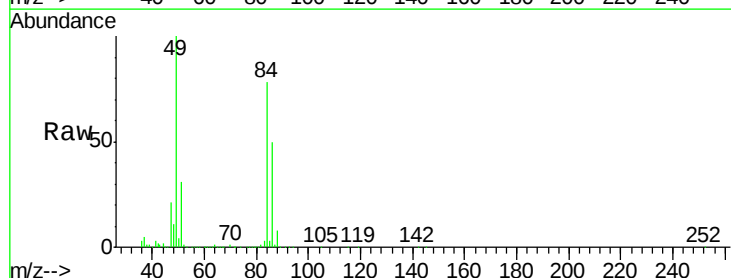
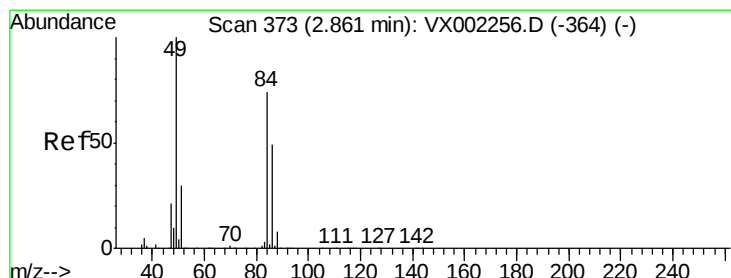
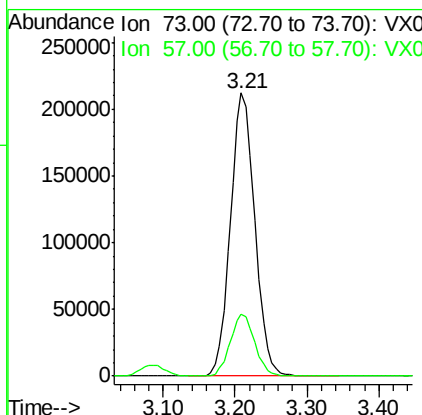
#19
Methvl tert-butvl Ether
Concen: 76.54 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

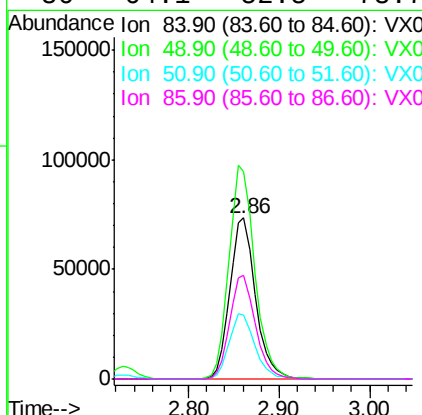
Manual Integrations
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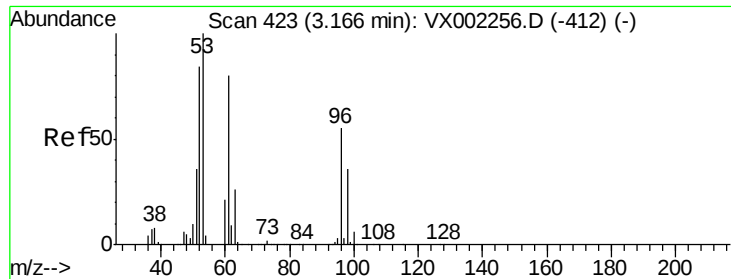
MMDadoda
6/7/2018 11:36:30 AM



#20
Methylene Chloride
Concen: 72.55 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	107.8	161.6
51	39.9	32.8	49.2
86	64.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 56.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

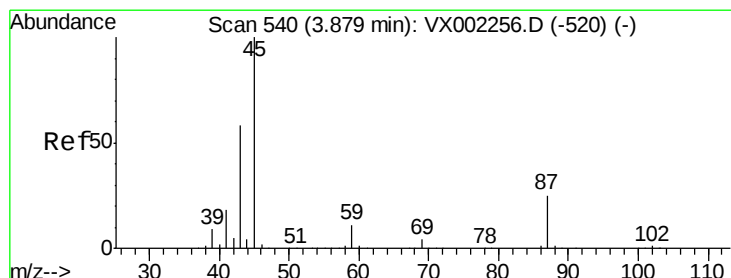
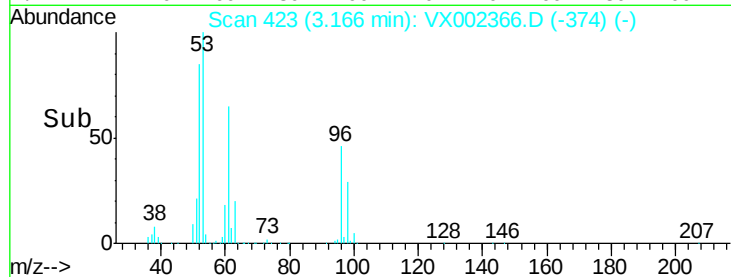
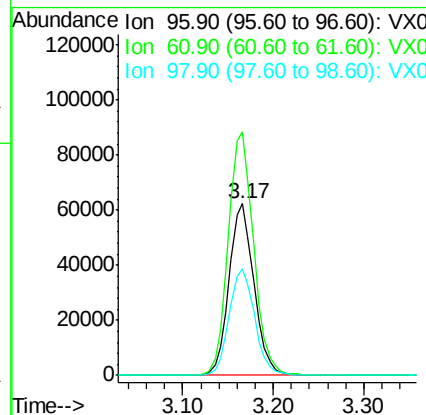
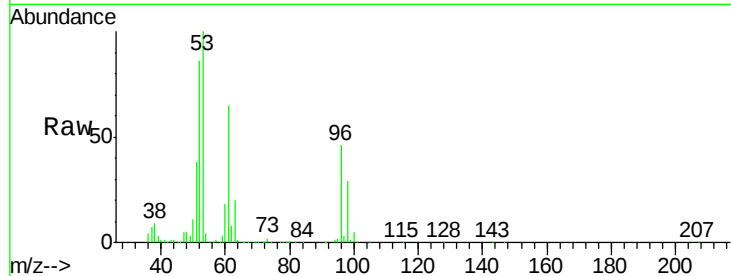
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	119143
Ion	Ratio	Lower	Upper
96	100		
61	141.9	117.0	175.4
98	62.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 66.58 ug/l

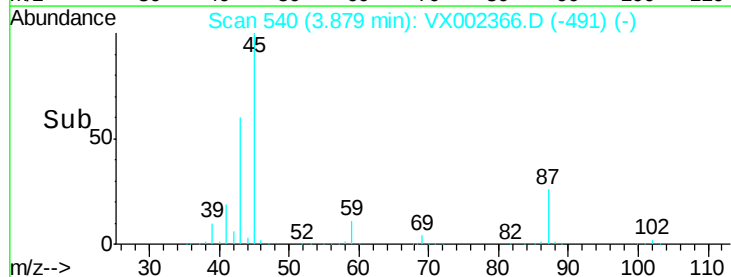
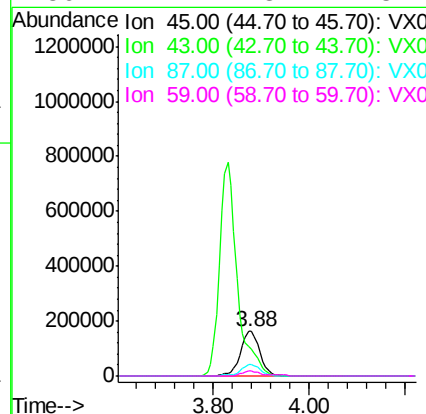
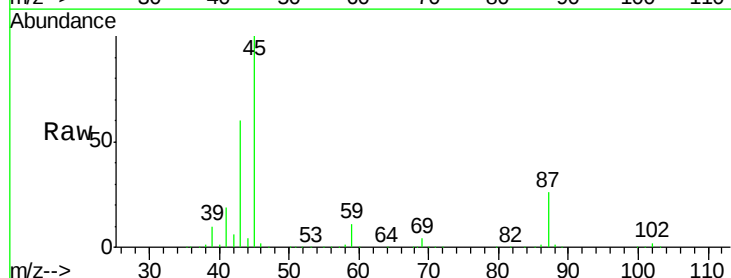
RT: 3.88 min Scan# 540

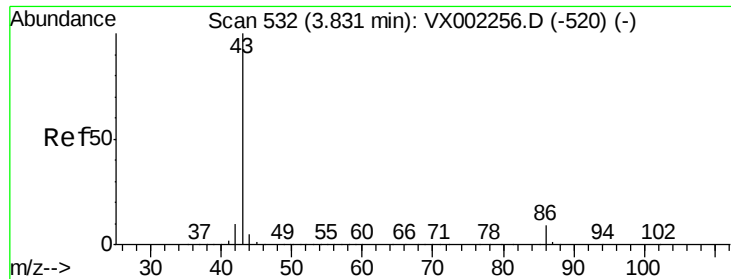
Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	45	Resp:	456579
Ion	Ratio	Lower	Upper
45	100		
43	60.1	46.8	70.2
87	26.0	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 298.43 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2000722

Ion Ratio Lower Upper

43 100

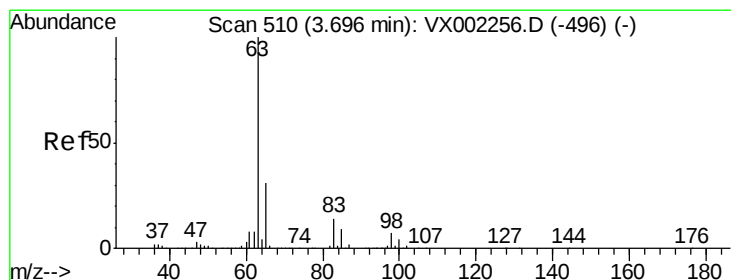
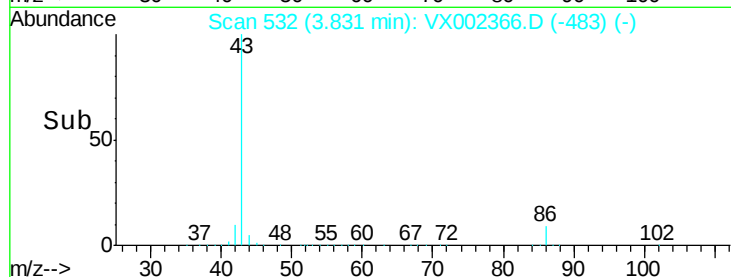
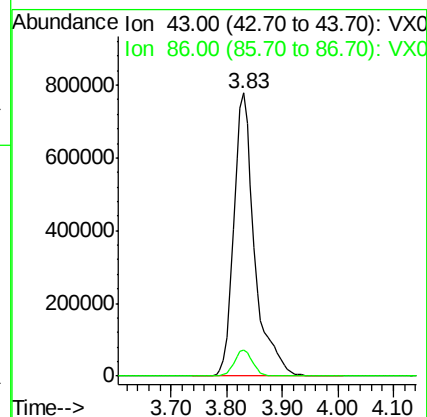
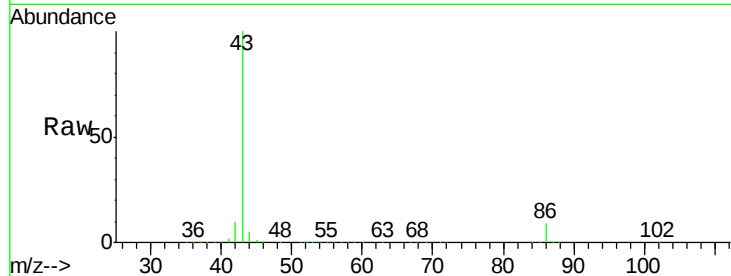
86 9.3 7.4 11.0

Manual Integrations

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6/7/2018 11:36:30 AM



#24

1,1-Dichloroethane

Concen: 53.59 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

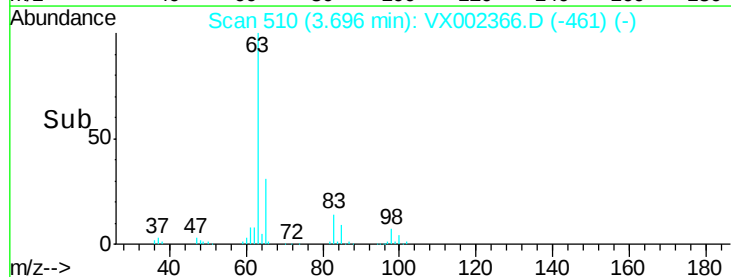
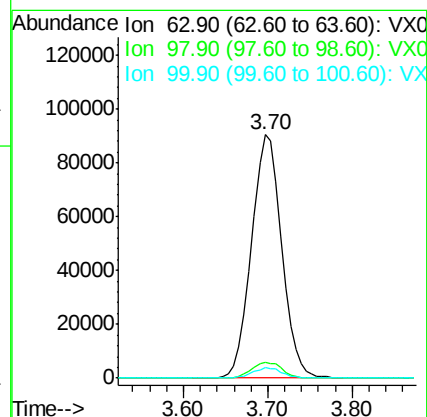
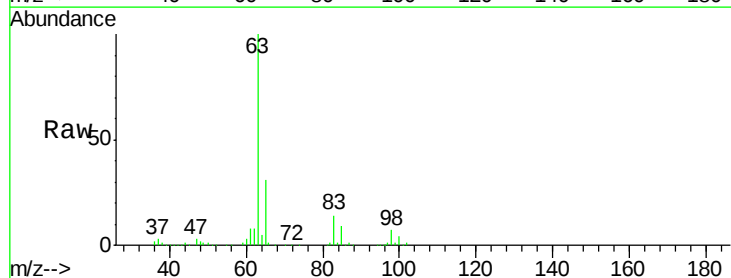
Tgt Ion: 63 Resp: 219020

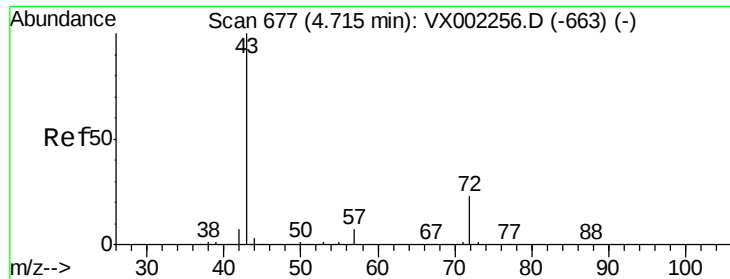
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 299.92 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 526389

Ion Ratio Lower Upper

43 100

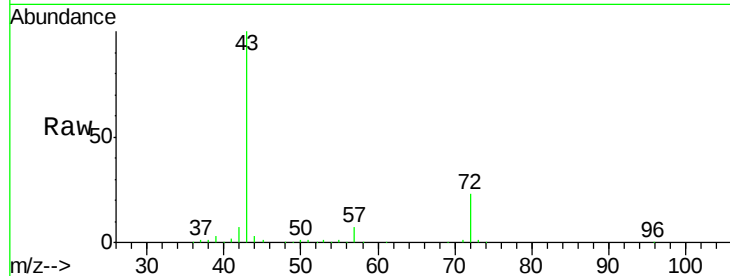
72 23.1 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

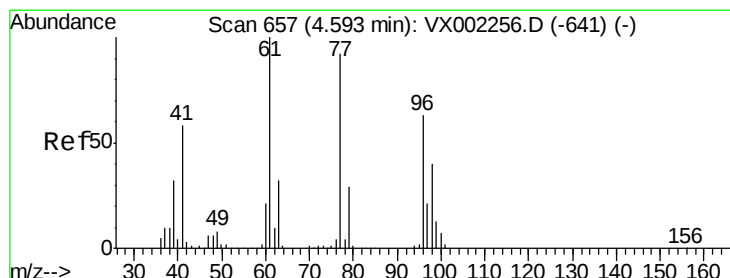
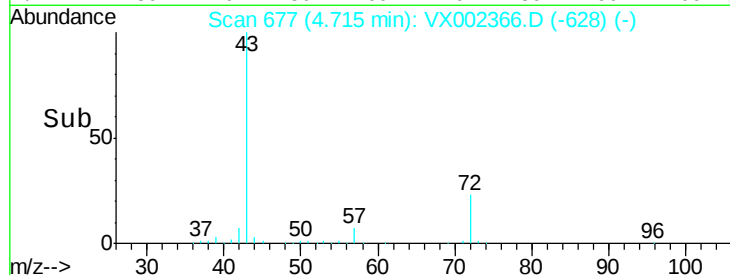
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.84 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002366.D

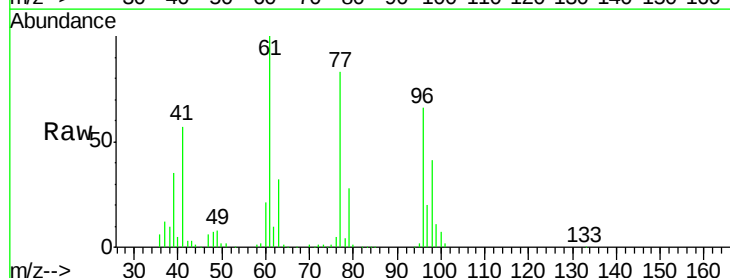
Acq: 06 Jun 2018 21:16

Tgt Ion: 77 Resp: 136884

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

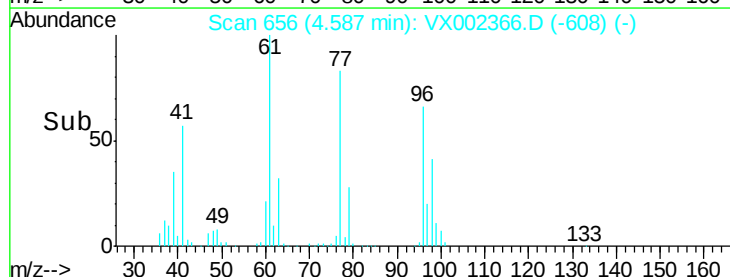
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 58.19 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 132988

Ion Ratio Lower Upper

96 100

61 151.9 0.0 330.2

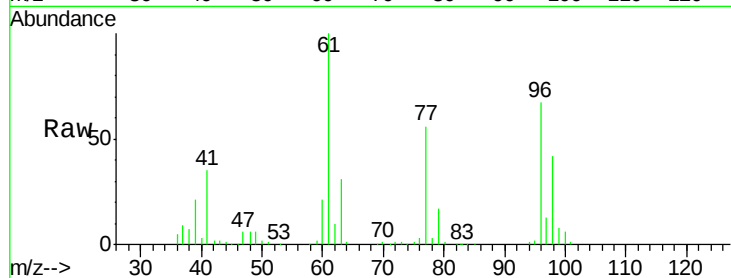
98 63.8 0.0 130.2

Manual Integrations

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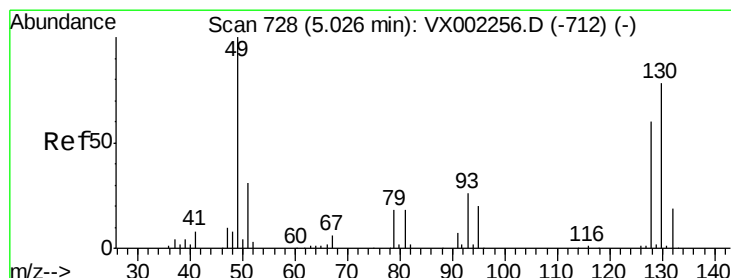
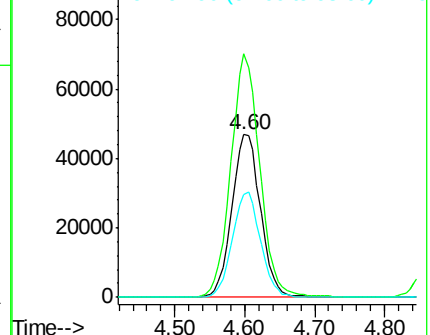
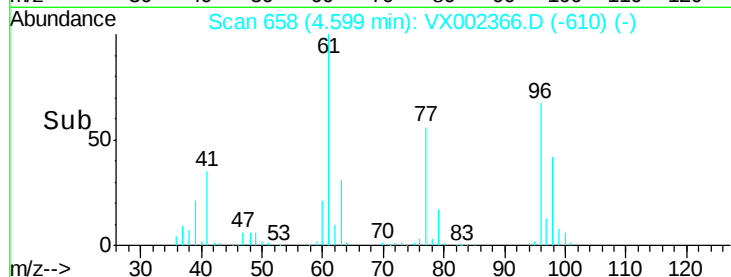
6/7/2018 11:36:30 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 69.44 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

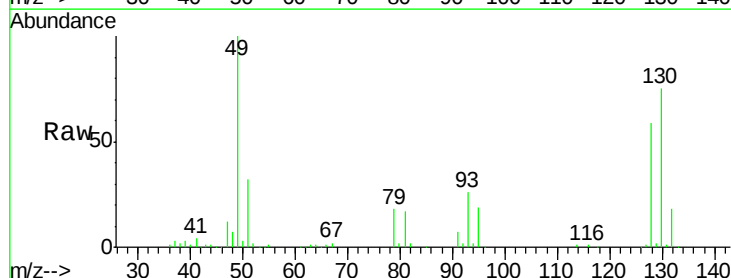
Tgt Ion: 49 Resp: 118300

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

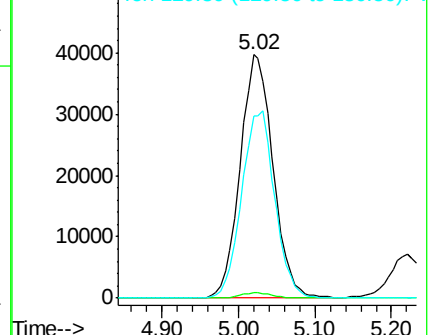
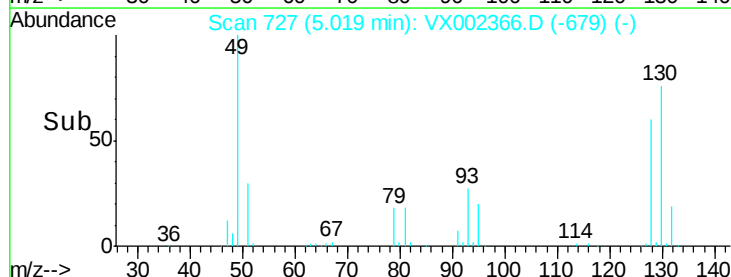
130 77.4 61.2 91.8

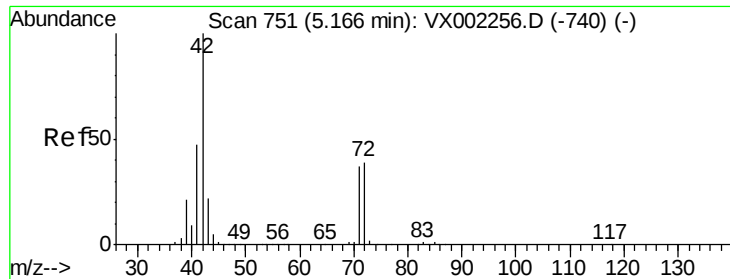


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





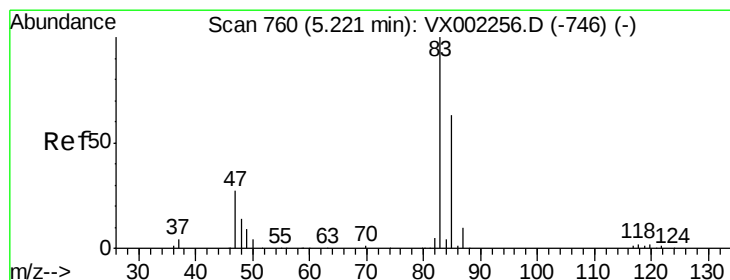
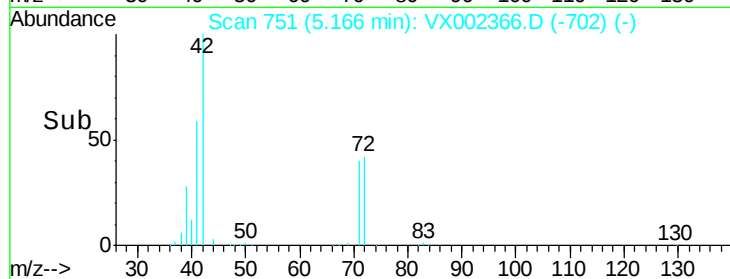
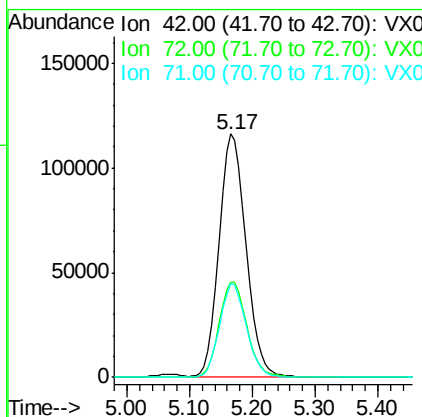
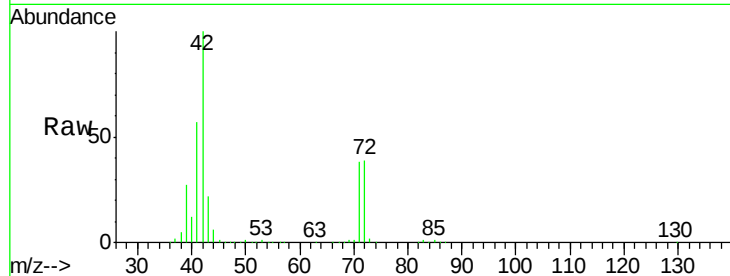
#29
Tetrahydrofuran
Concen: 305.27 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	38.2	30.1	45.1

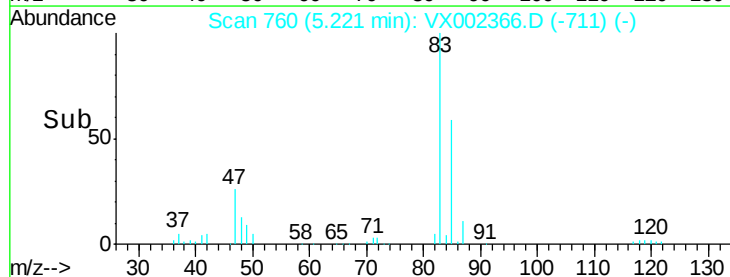
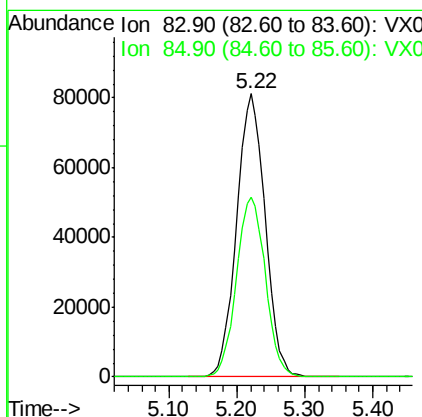
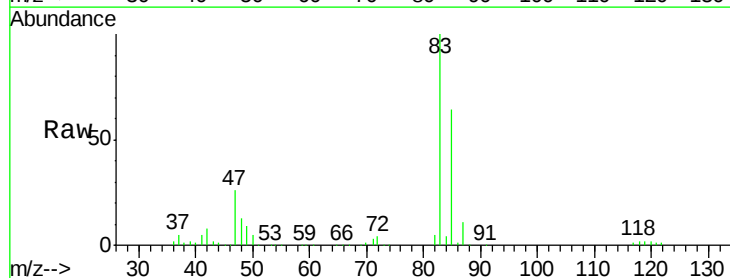
Manual Integrations
APPROVED

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#30
Chloroform
Concen: 59.92 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.4	75.6





#31

Cyclohexane

Concen: 34.06 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

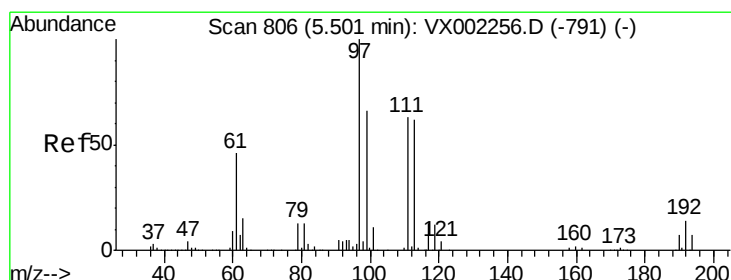
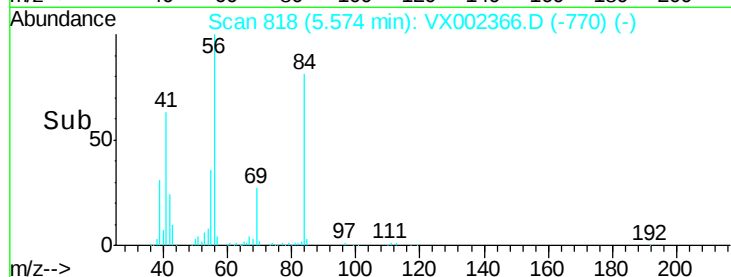
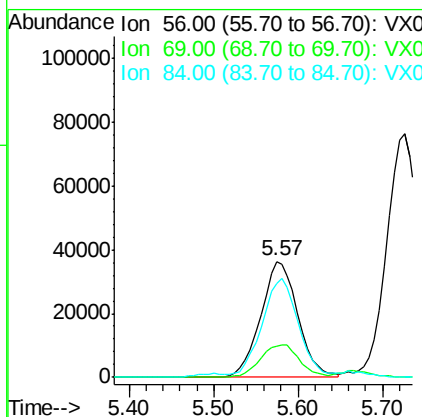
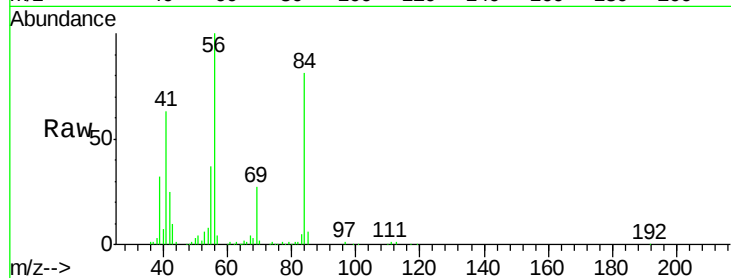
ClientSampled :

VSTDCCC050EC

Tot Ion:	56	Resp:	110078
Ion	Ratio	Lower	Upper
56	100		
69	27.3	23.7	35.5
84	80.1	64.1	96.1

Manual Integrations
APPROVED

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6/7/2018 11:36:30 AM



#32

1,1,1-Trichloroethane

Concen: 52.52 ug/l

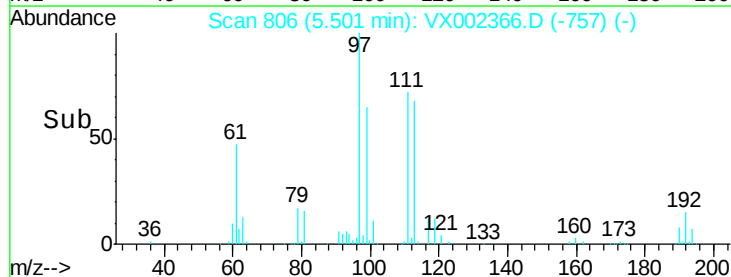
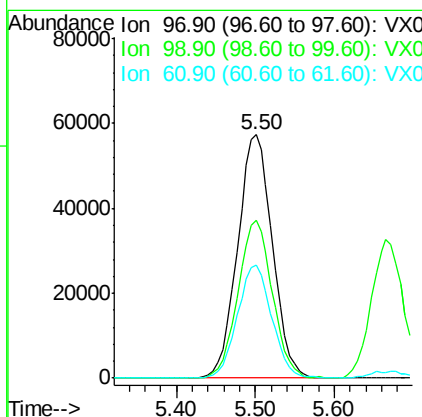
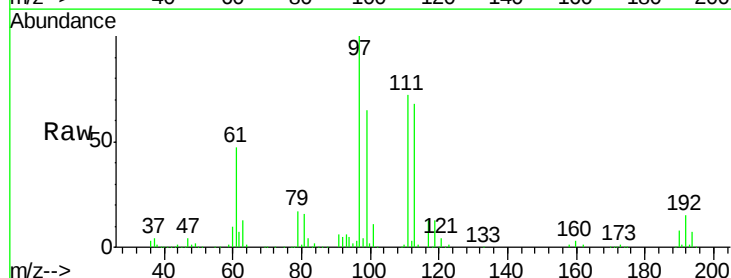
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	97	Resp:	175666
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	45.9	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 63.60 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 160385

Ion Ratio Lower Upper

65 100

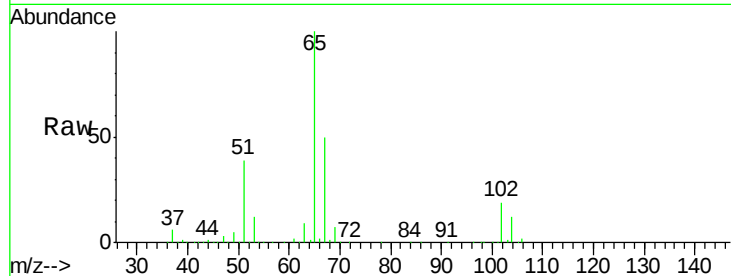
67 51.9 0.0 102.6

Manual Integrations

APPROVED

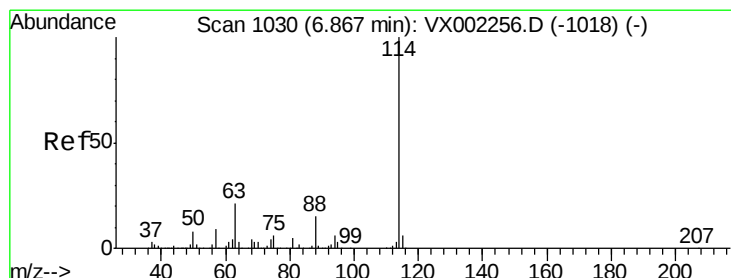
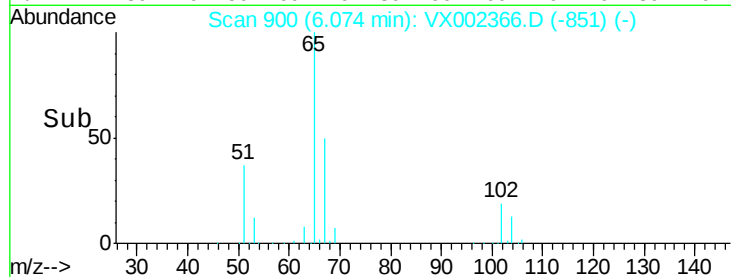
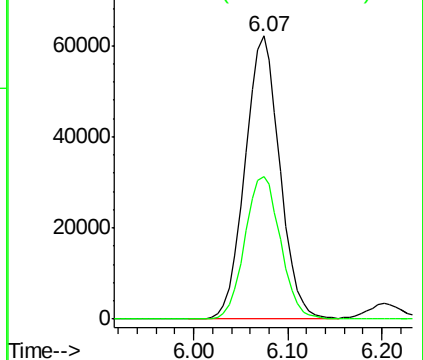
MMDadoda

6/7/2018 11:36:30 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

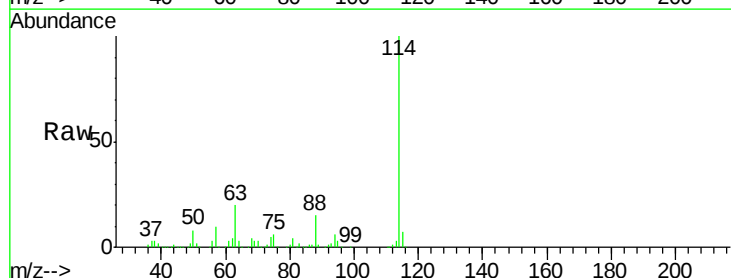
Tgt Ion: 114 Resp: 318020

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

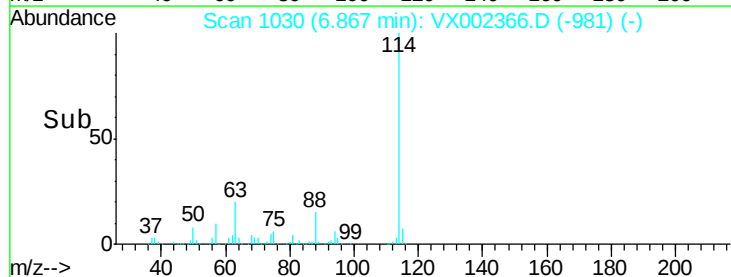
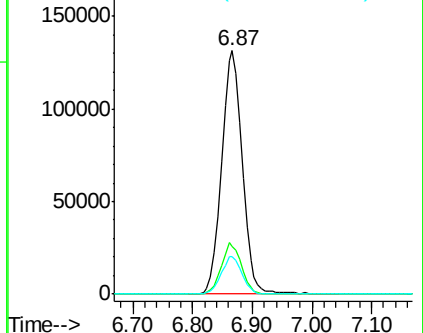
88 15.2 0.0 30.0

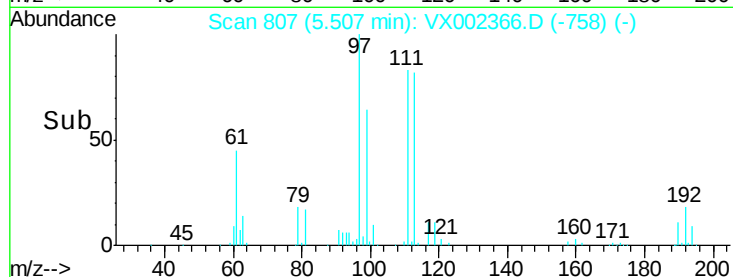
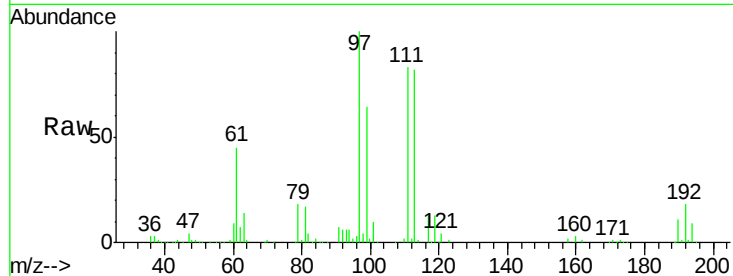
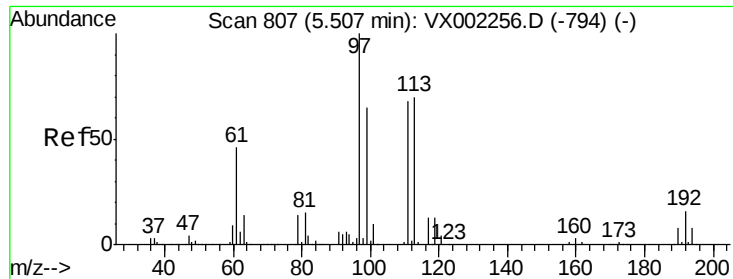


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





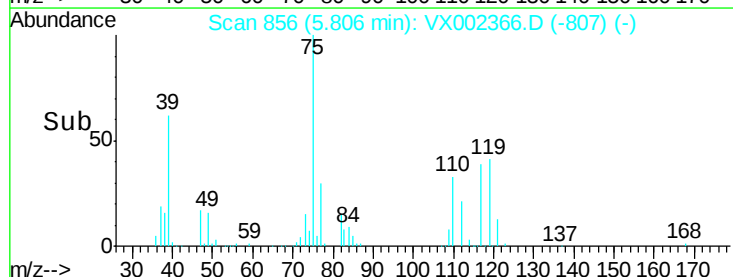
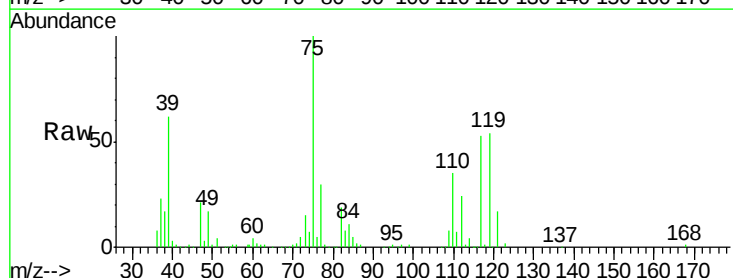
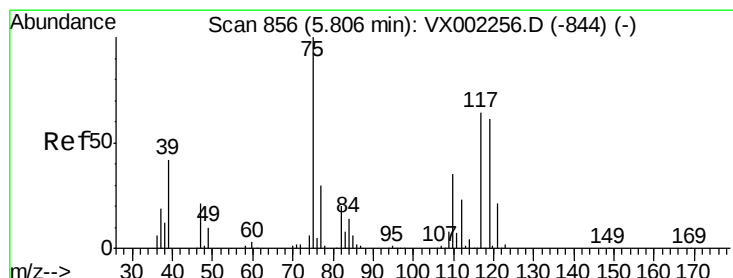
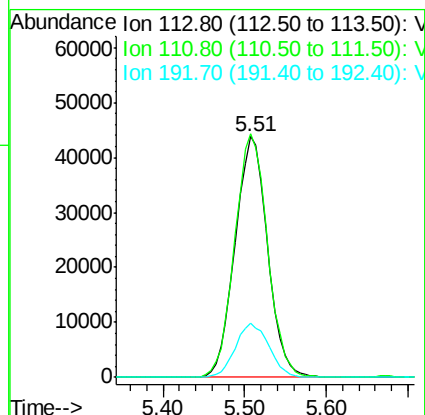
#35
Dibromofluoromethane
Concen: 48.20 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120552		
111	102.3	81.4	122.0	
192	23.2	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

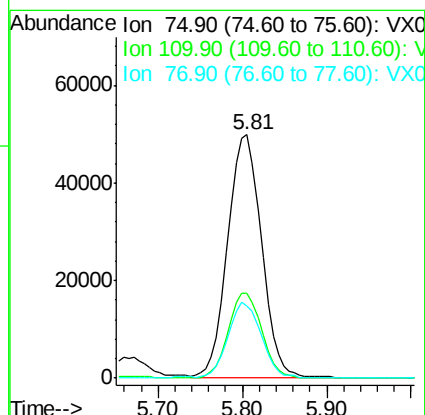
Manual Integrations
APPROVED

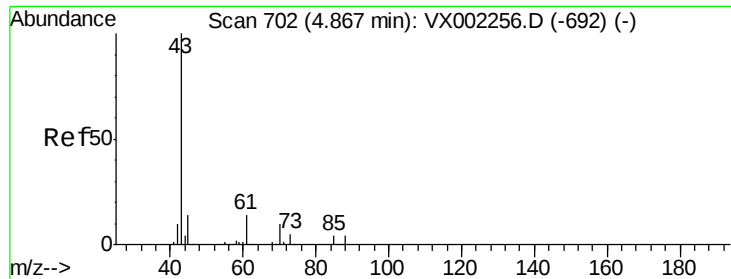
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6/7/2018 11:36:30 AM



#36
1,1-Dichloropropene
Concen: 40.68 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136006		
110	35.0	18.1	54.4	
77	30.7	24.3	36.5	





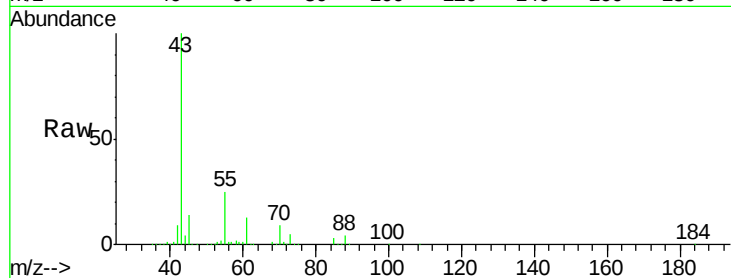
#37
Ethyl Acetate
Concen: 53.09 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

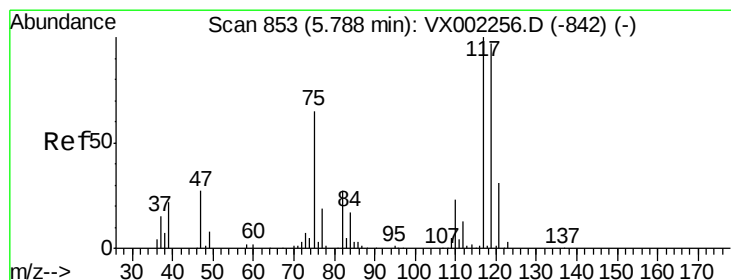
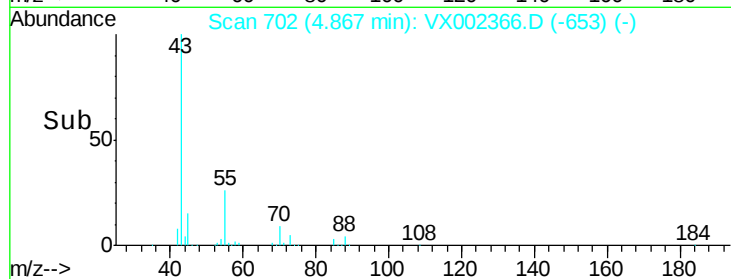
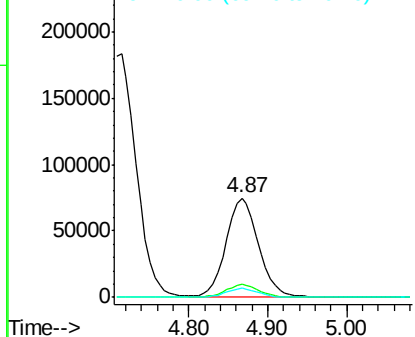
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.3	7.6	11.4

Manual Integrations
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6/7/2018 11:36:30 AM

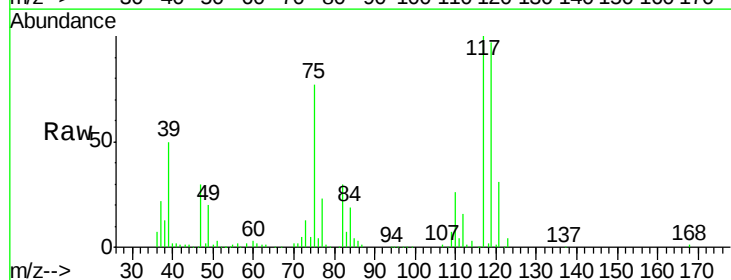


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

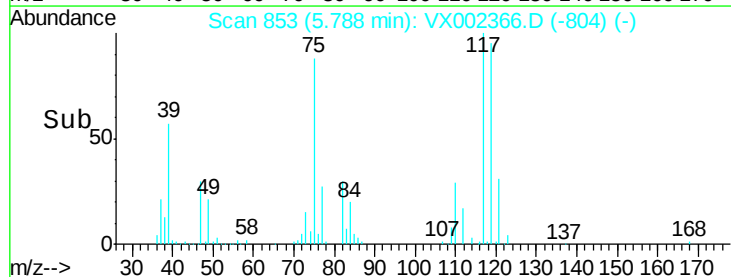
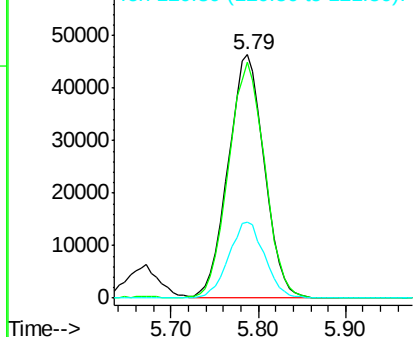


#38
Carbon Tetrachloride
Concen: 38.14 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.4	116.0
121	30.9	24.4	36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





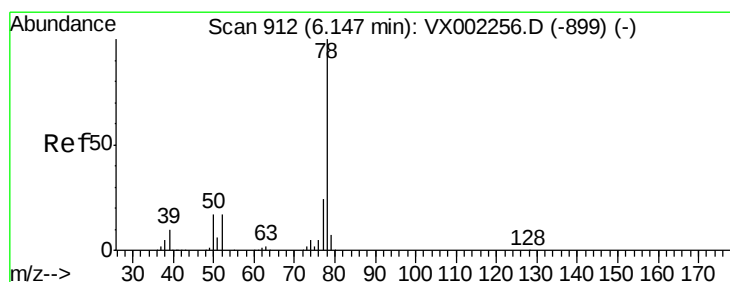
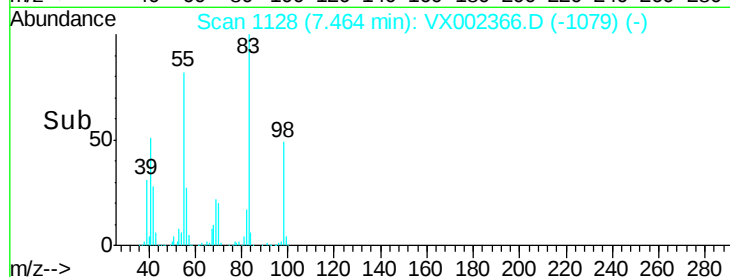
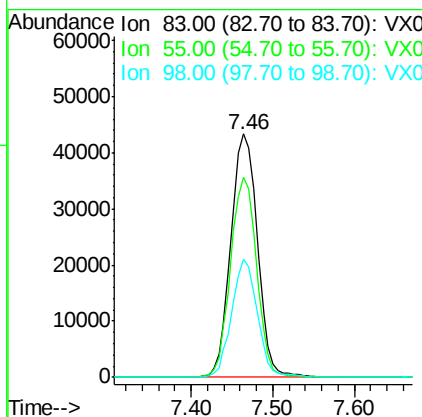
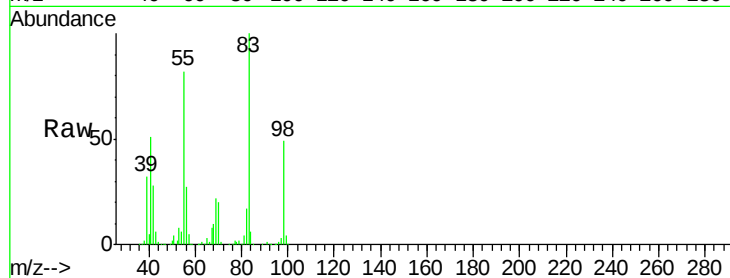
#39
Methylvlcvclohexane
Concen: 23.77 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	65.4	98.0
98	48.6	37.4	56.0

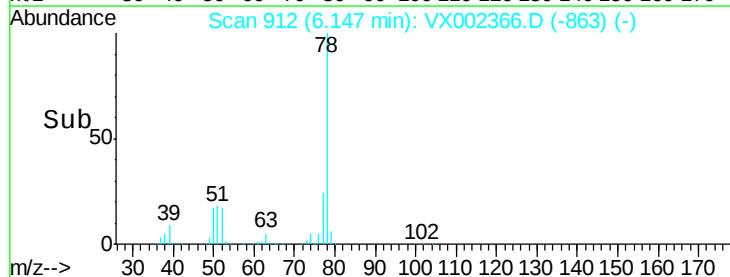
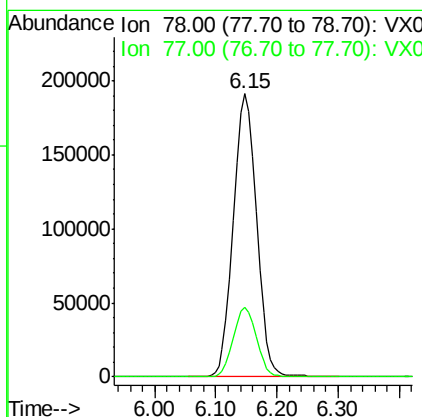
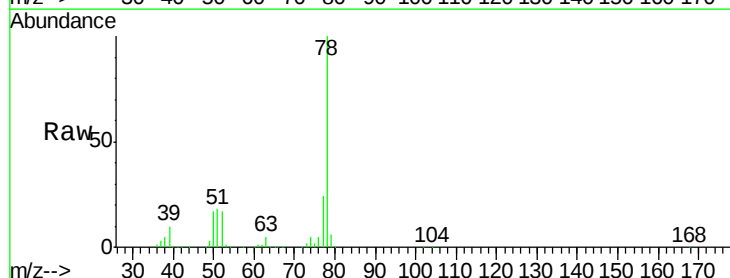
Manual Integrations
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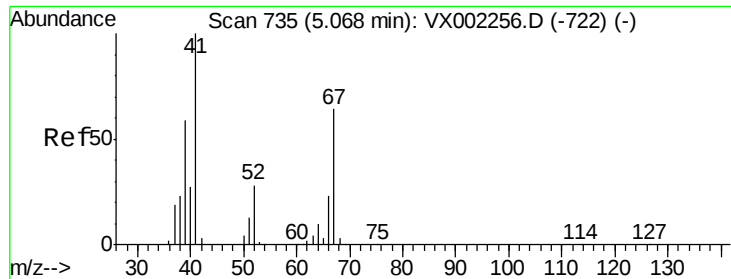
MMDadoda
6/7/2018 11:36:30 AM



#40
Benzene
Concen: 48.89 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





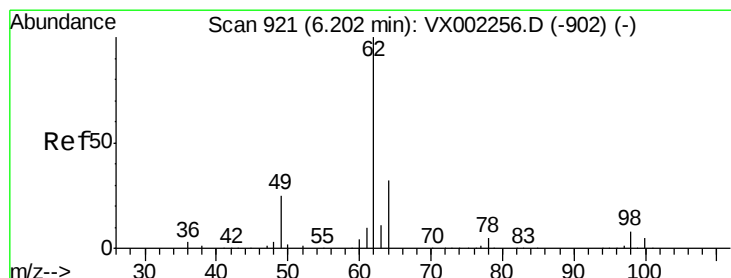
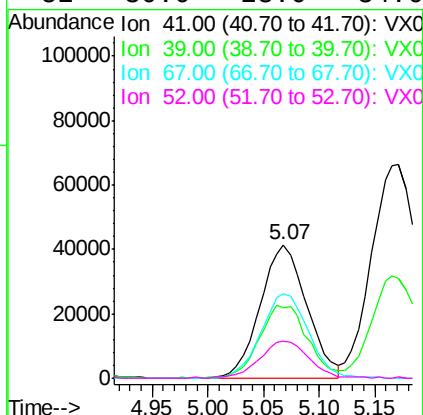
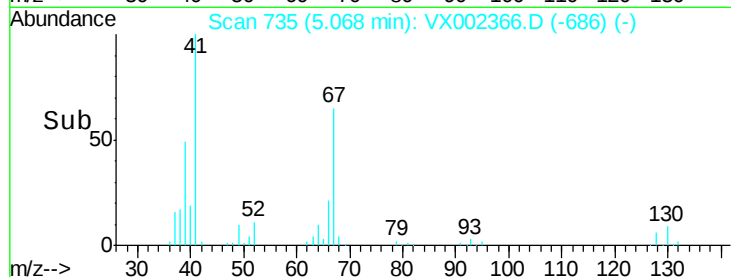
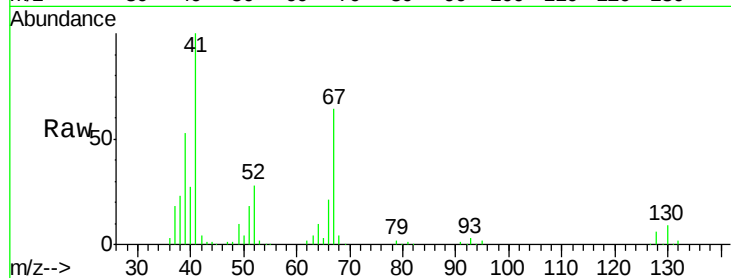
#41
Methacrylonitrile
Concen: 52.09 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.8	68.6	
67	65.6	51.3	76.9	
52	30.0	23.0	34.6	

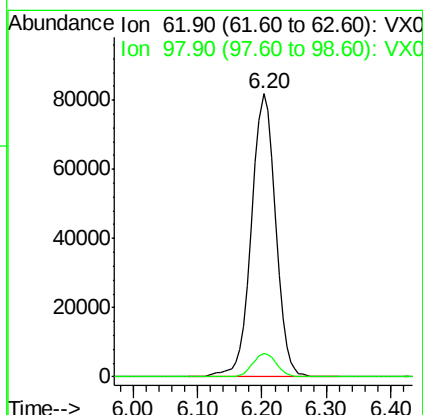
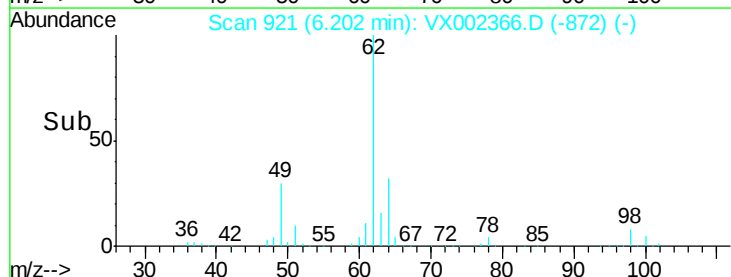
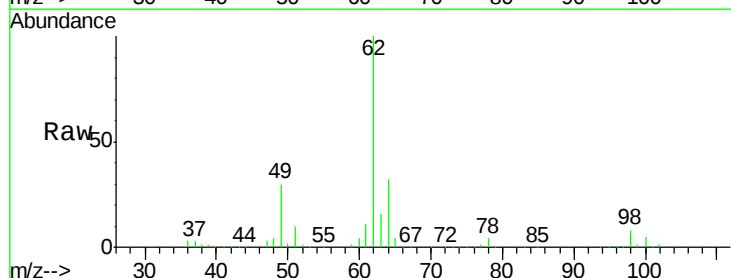
Manual Integrations
APPROVED

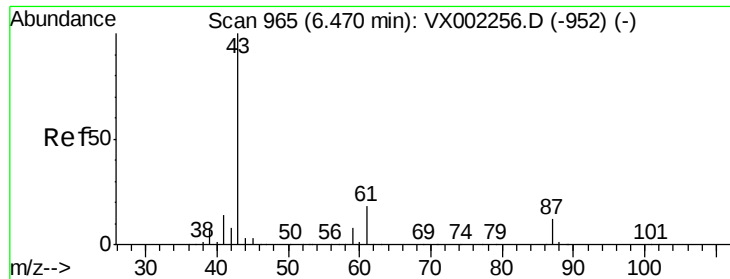
MMDadoda
6/7/2018 11:36:30 AM



#42
1,2-Dichloroethane
Concen: 51.74 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

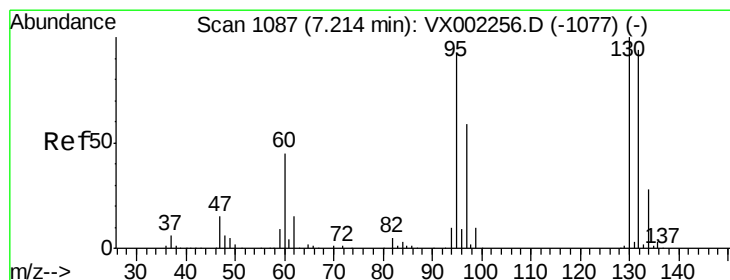
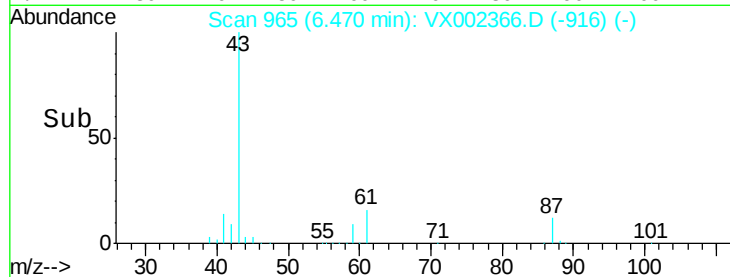
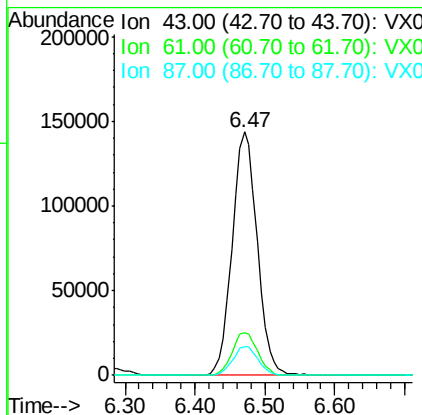
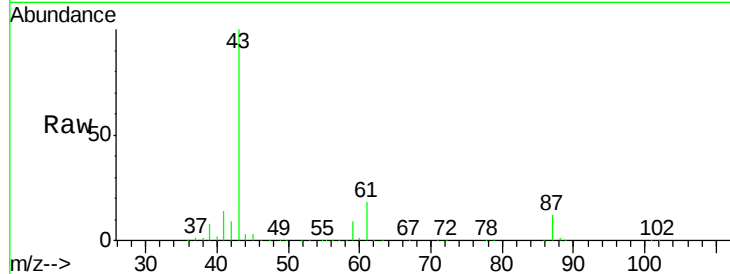
Isopropyl Acetate
 Concen: 52.10 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	12.1	9.5	14.3

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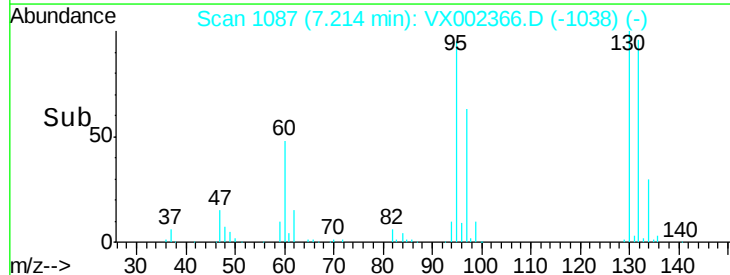
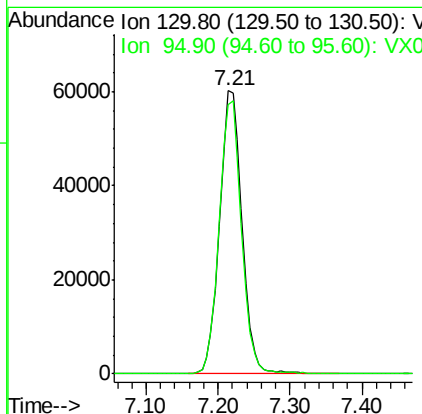
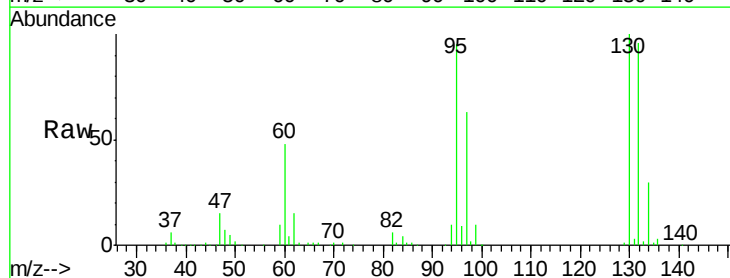
MMDadoda
 6/7/2018 11:36:30 AM

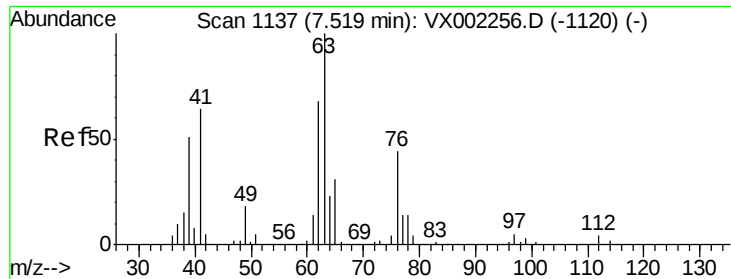


#44

Trichloroethene
 Concen: 45.92 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.69 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 140272

Ion Ratio Lower Upper

63 100

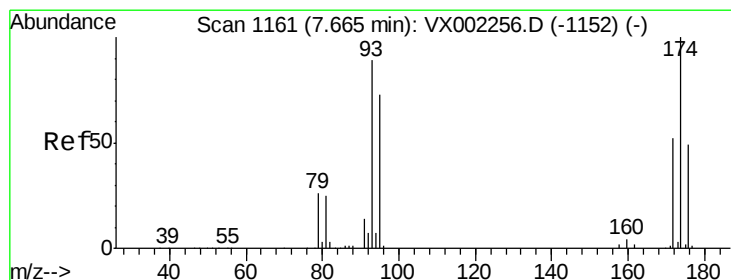
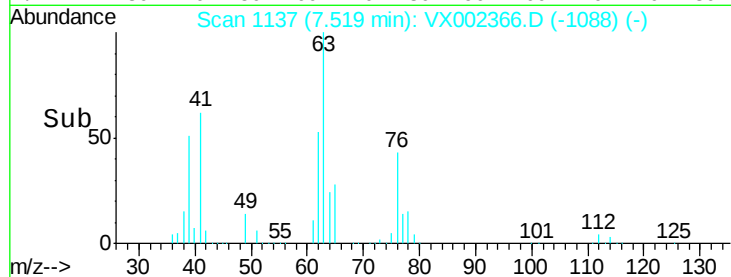
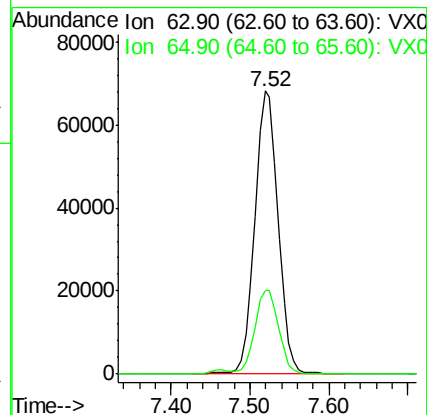
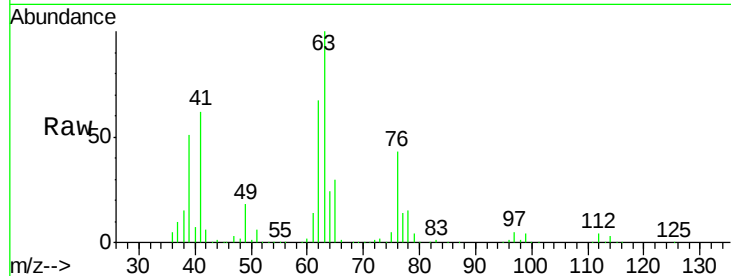
65 29.5 24.7 37.1

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#46

Dibromomethane

Concen: 51.47 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

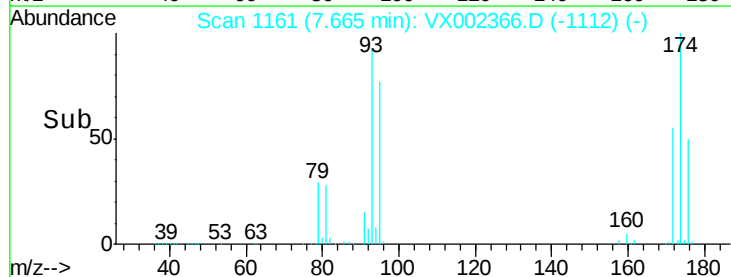
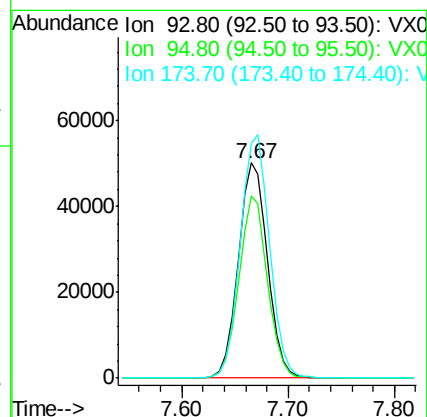
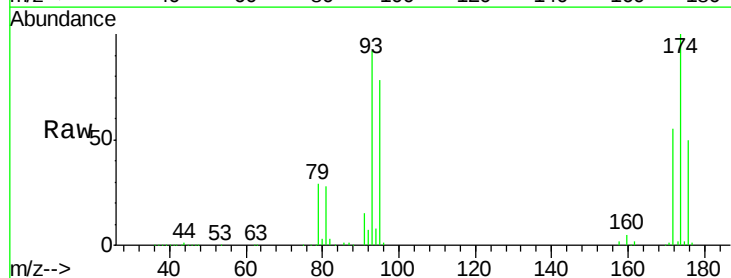
Tgt Ion: 93 Resp: 96552

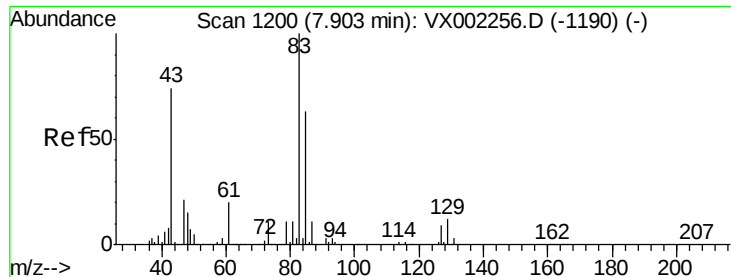
Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

174 113.9 92.4 138.6





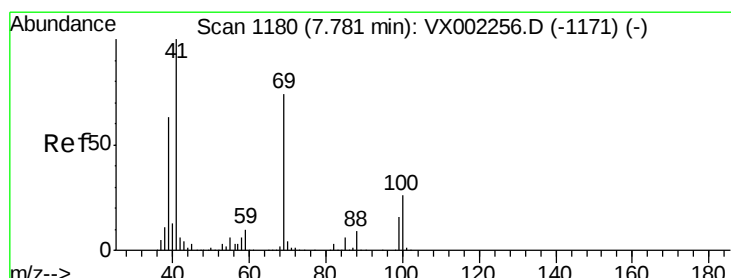
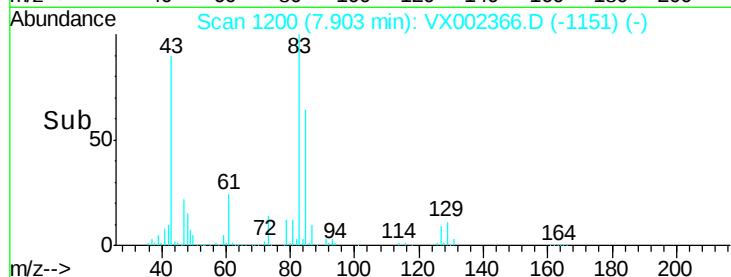
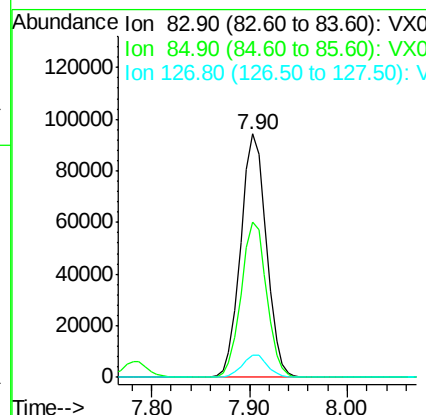
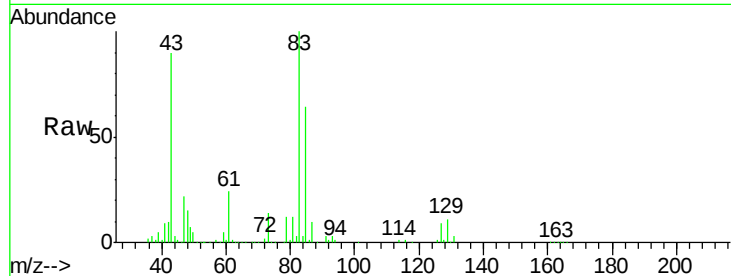
#47
Bromodichloromethane
Concen: 50.71 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.3	75.5
127	9.1	7.0	10.4

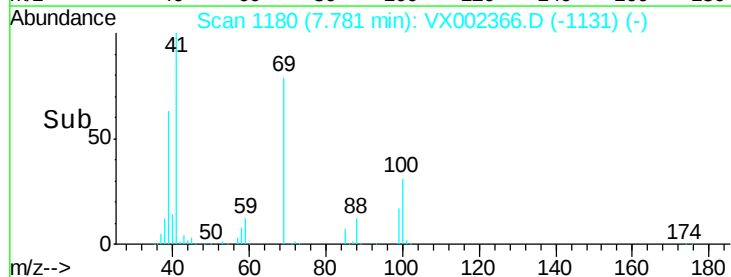
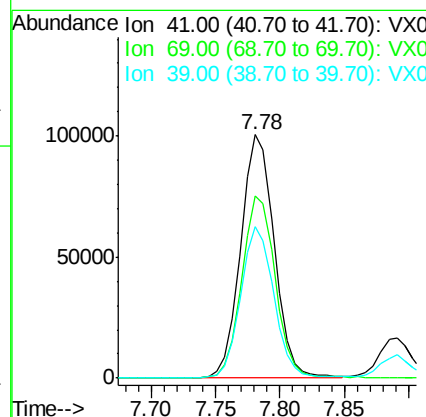
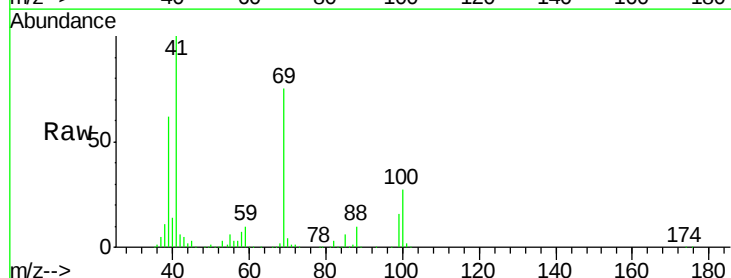
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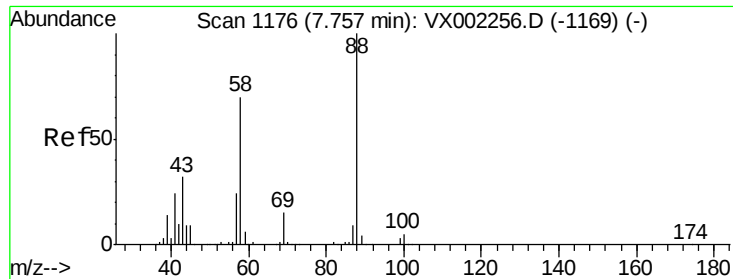
MMDadoda
6/7/2018 11:36:30 AM



#48
Methyl methacrylate
Concen: 52.65 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.9	59.1	88.7
39	61.7	48.9	73.3





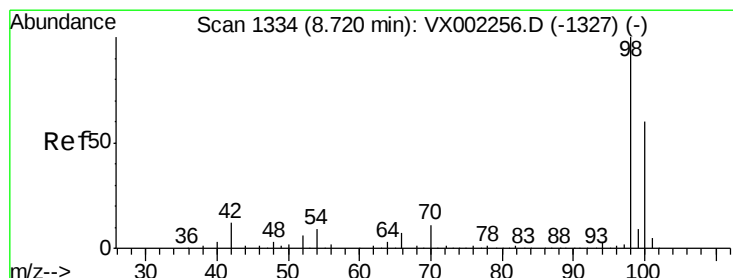
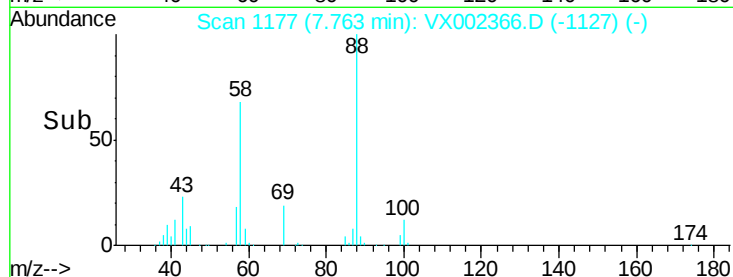
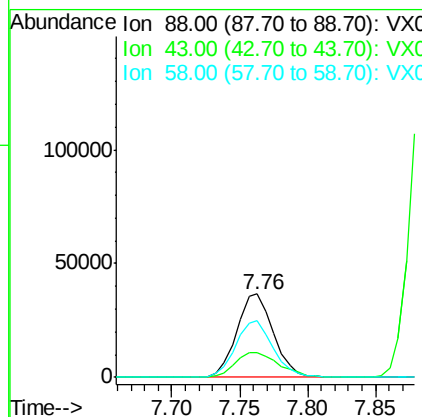
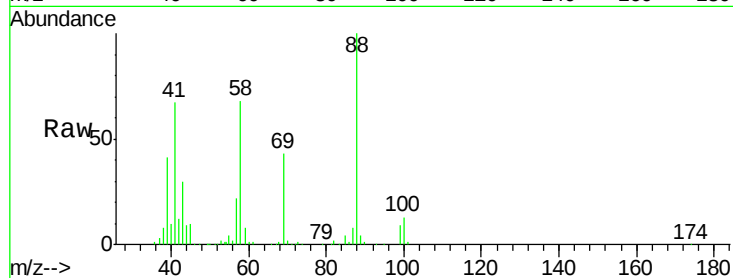
#49
1,4-Dioxane
Concen: 1074.56 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.8	44.6
58	69.7	57.1	85.7

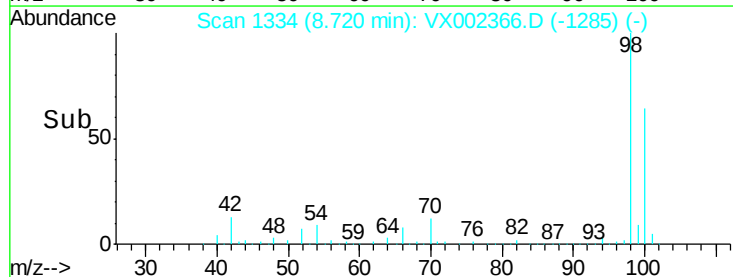
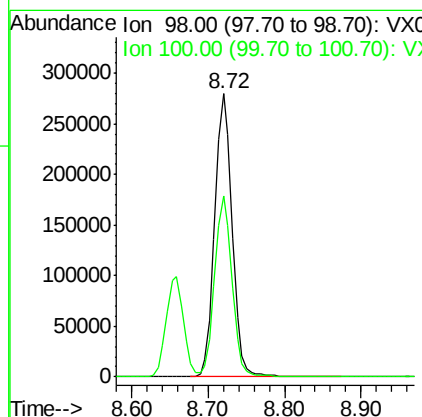
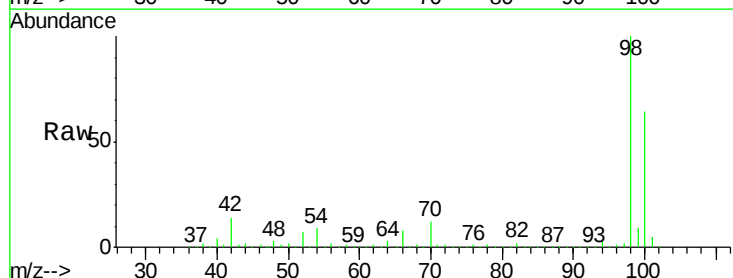
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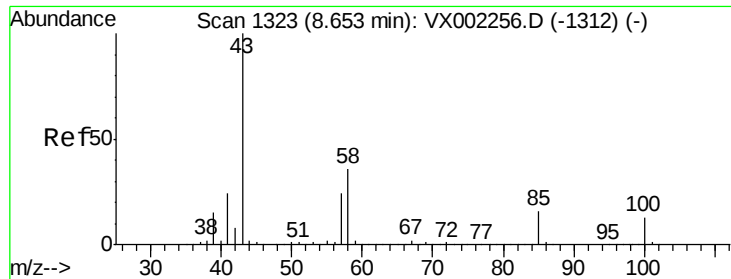
MMDadoda
6/7/2018 11:36:30 AM



#50
Toluene-d8
Concen: 46.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 272.23 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1157745

Ion Ratio Lower Upper

43 100

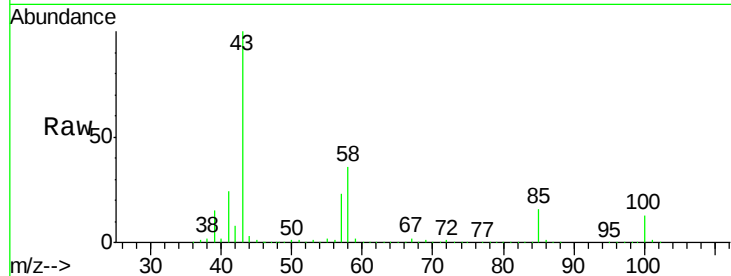
58 35.7 28.6 42.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

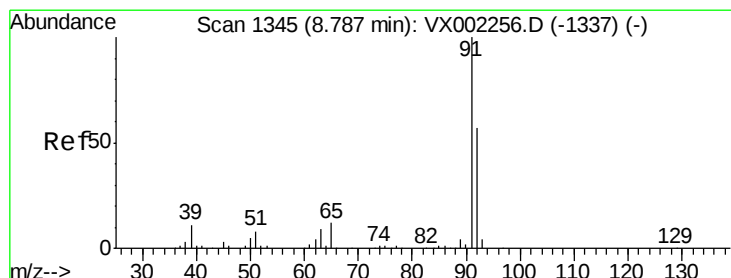
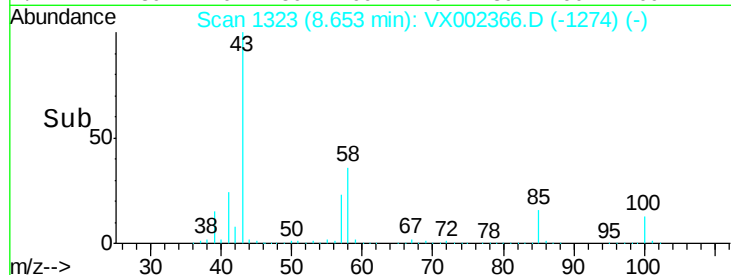
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.25 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002366.D

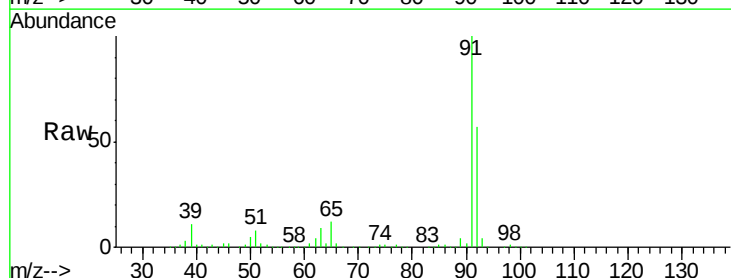
Acq: 06 Jun 2018 21:16

Tgt Ion: 92 Resp: 321125

Ion Ratio Lower Upper

92 100

91 176.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

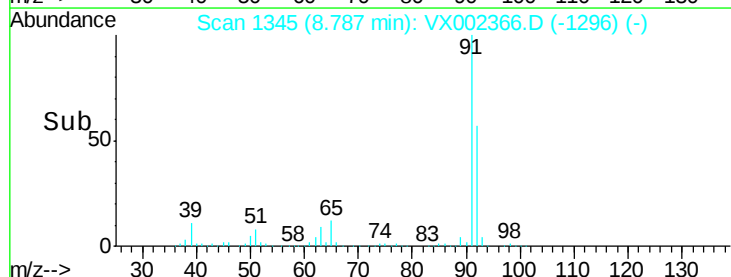
300000

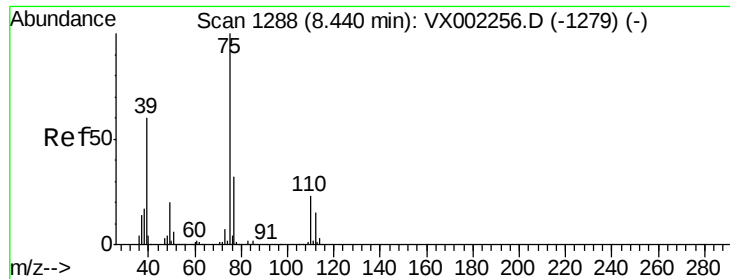
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.11 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 203905

Ion Ratio Lower Upper

75 100

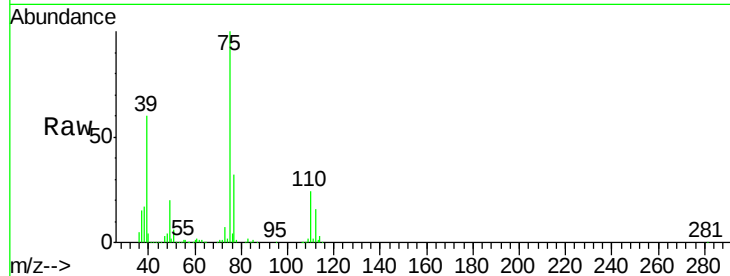
77 32.4 25.4 38.2

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

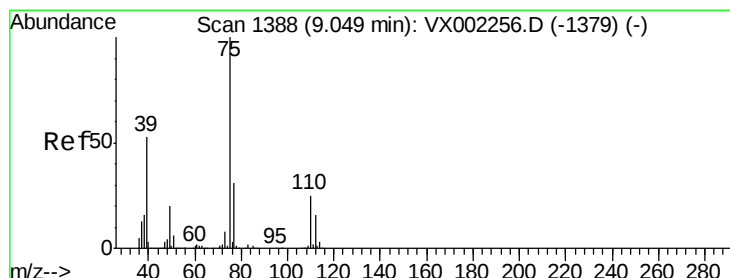
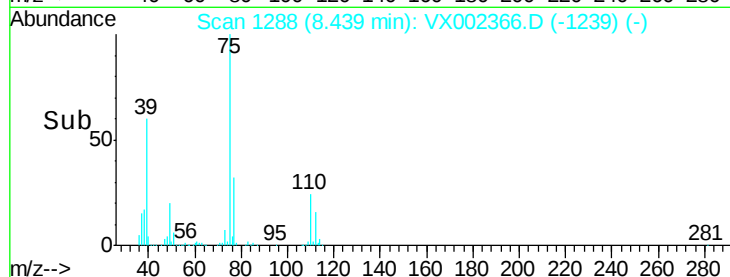
100000

50000

0

8.35 8.40 8.45 8.50 8.55

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.69 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

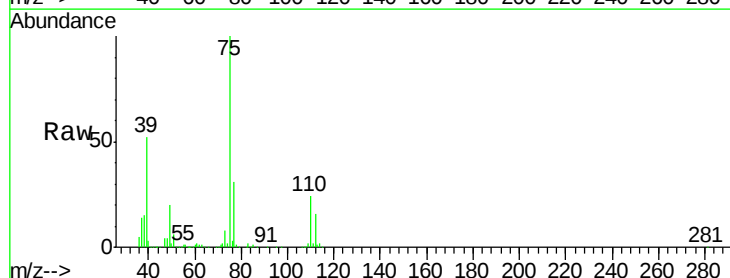
Tgt Ion: 75 Resp: 190748

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 51.5 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

150000

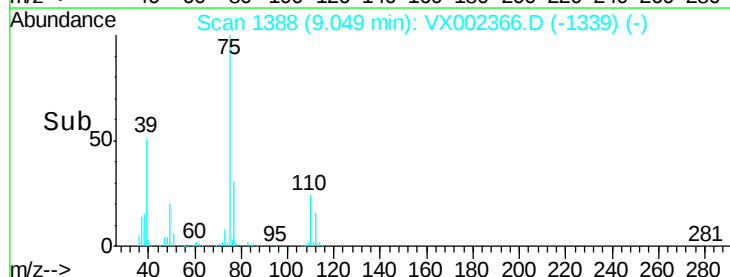
100000

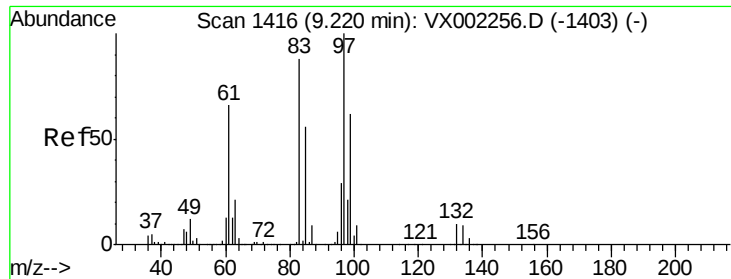
50000

0

9.00 9.10 9.20

Time-->





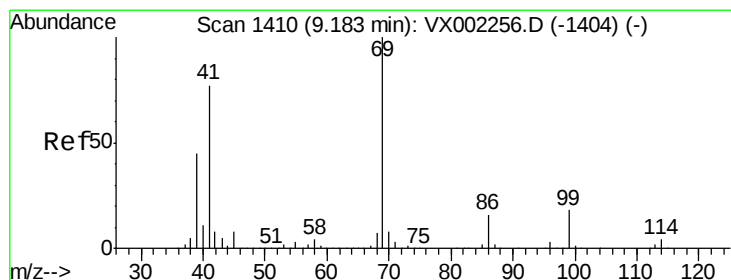
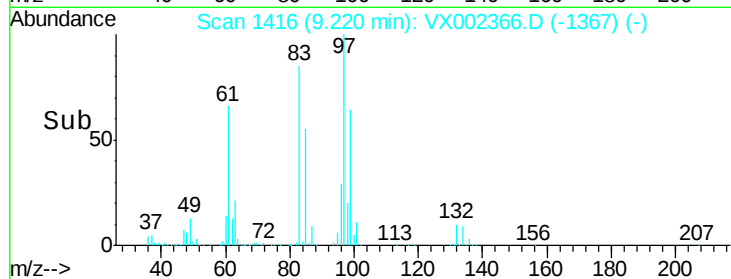
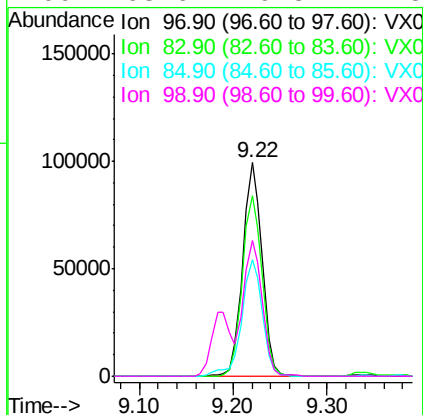
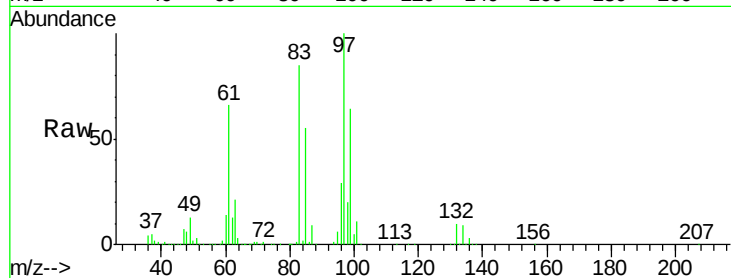
#55
 1,1,2-Trichloroethane
 Concen: 53.25 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	142788
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	54.7	44.9	67.3
99	63.6	49.8	74.8

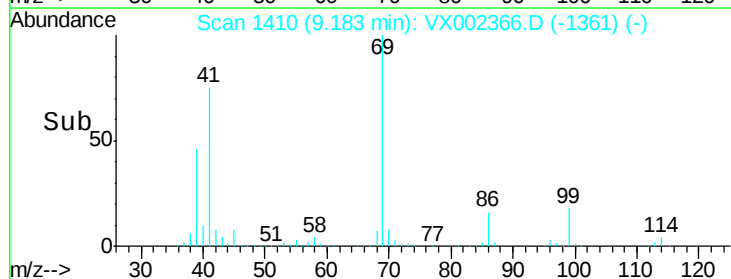
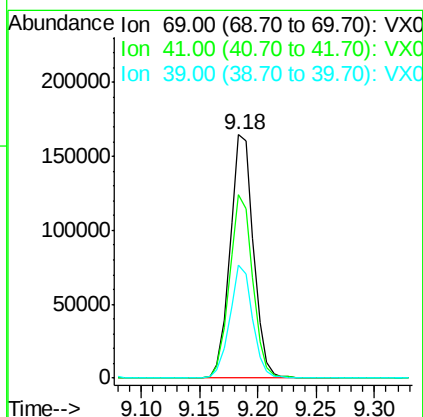
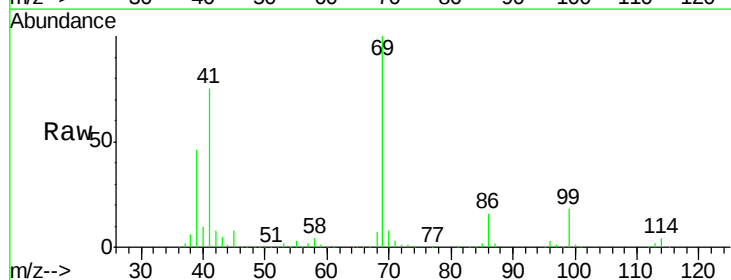
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#56
 Ethyl methacrylate
 Concen: 53.96 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion:	69	Resp:	231010
Ion	Ratio	Lower	Upper
69	100		
41	74.2	60.3	90.5
39	45.0	35.8	53.8





#57

1,3-Dichloropropane

Concen: 53.56 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 240944

Ion Ratio Lower Upper

76 100

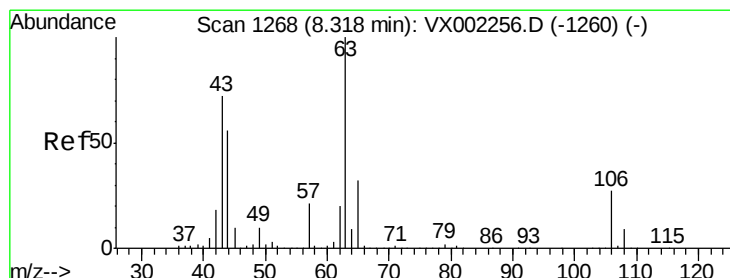
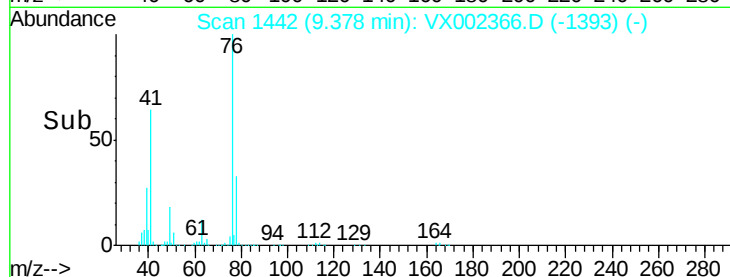
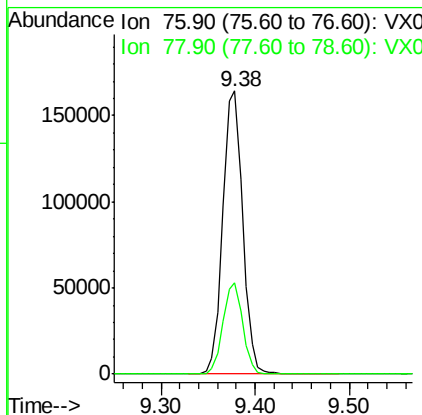
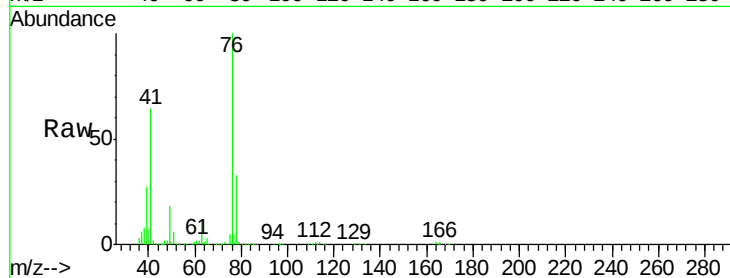
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 266.20 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002366.D

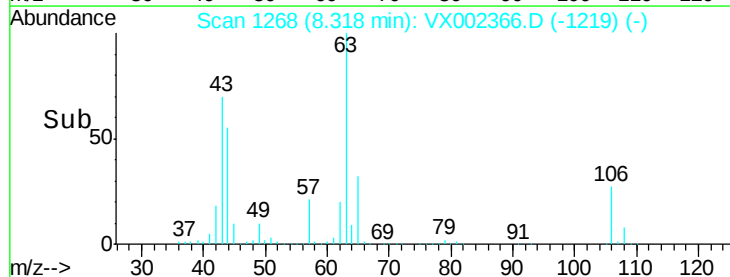
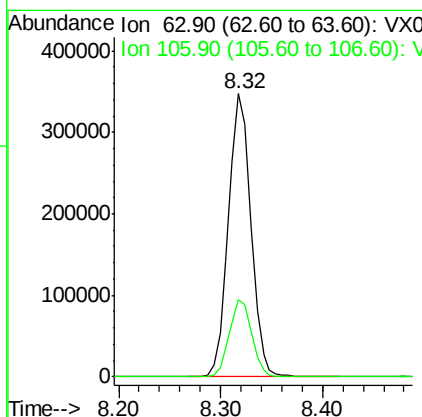
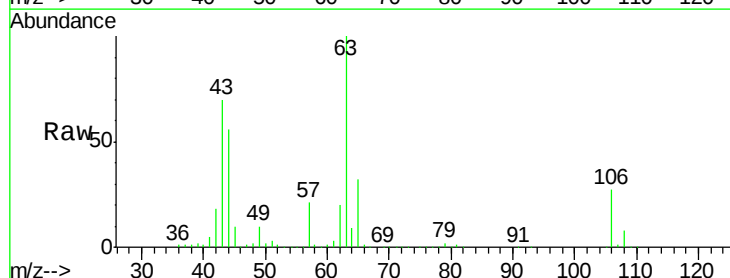
Acq: 06 Jun 2018 21:16

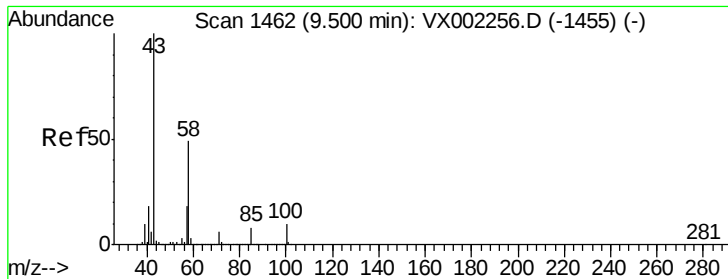
Tgt Ion: 63 Resp: 527466

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.8





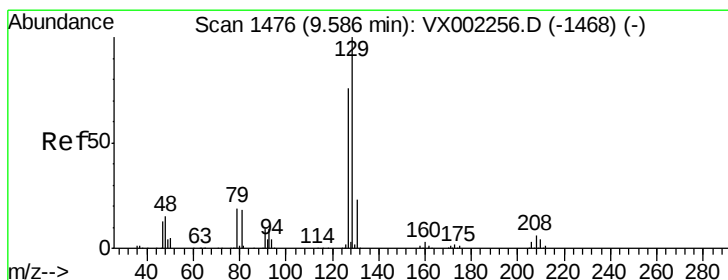
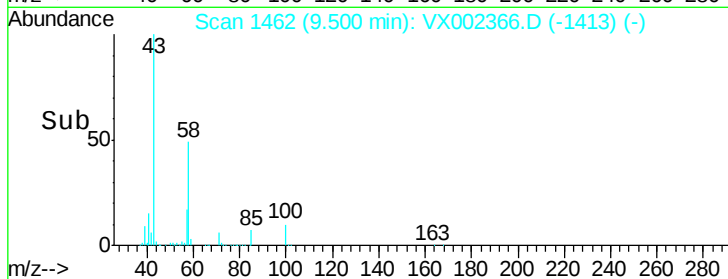
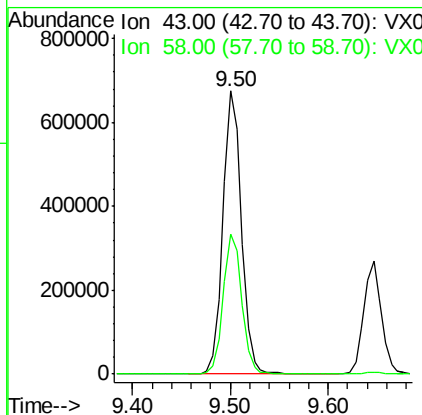
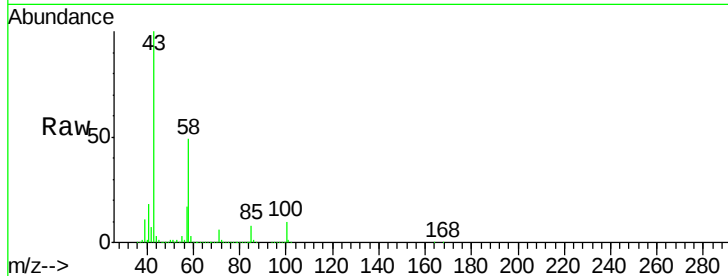
#59
2-Hexanone
Concen: 269.85 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	24.6	73.6

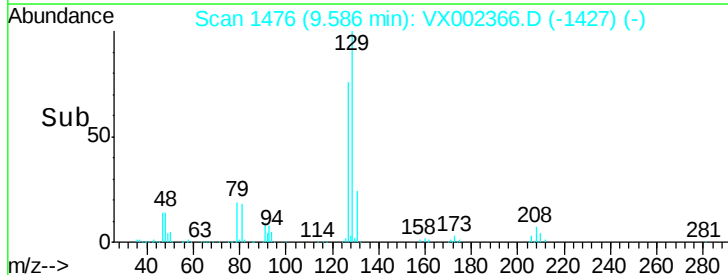
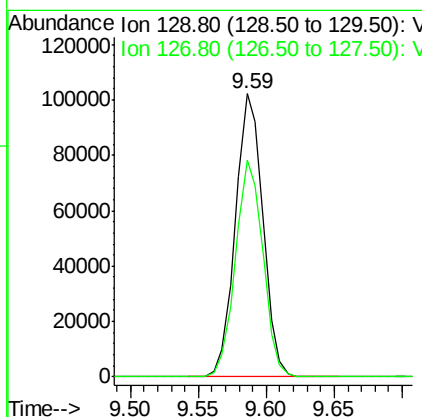
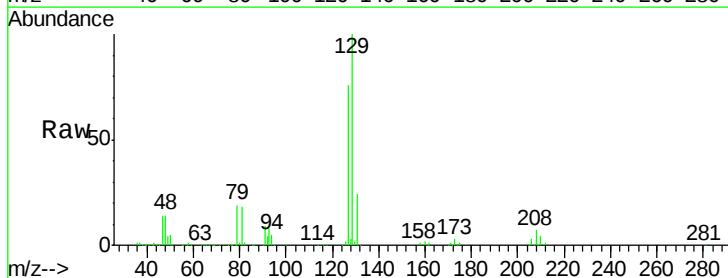
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#60
Dibromochloromethane
Concen: 53.27 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.3





#61

1,2-Dibromoethane

Concen: 54.11 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 151282

Ion Ratio Lower Upper

107 100

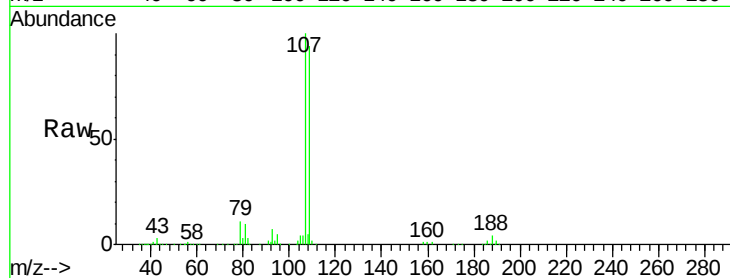
109 94.9 75.3 112.9

Manual Integrations

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6/7/2018 11:36:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

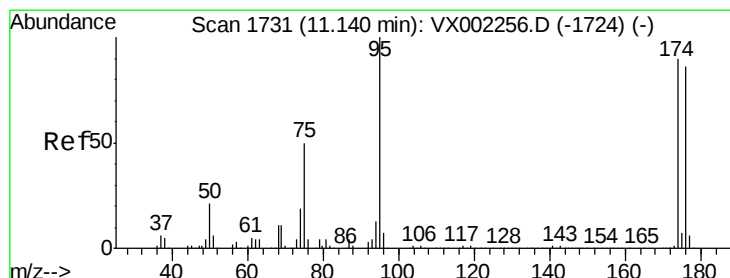
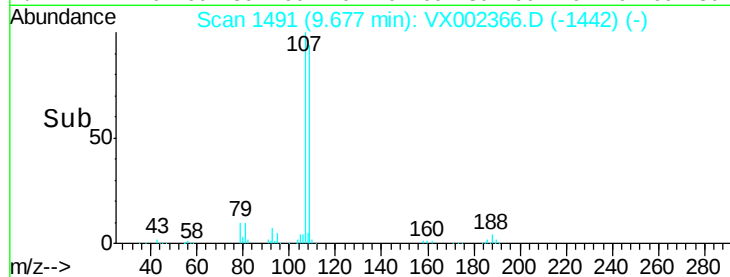
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

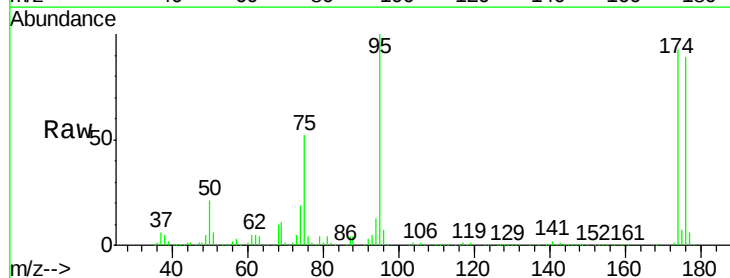
Tgt Ion: 95 Resp: 175946

Ion Ratio Lower Upper

95 100

174 95.3 0.0 187.4

176 91.9 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

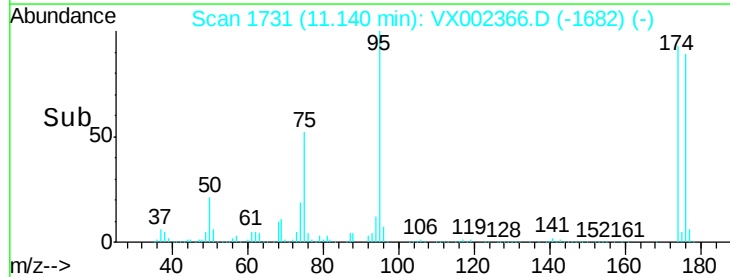
150000

100000

50000

0

Time-->





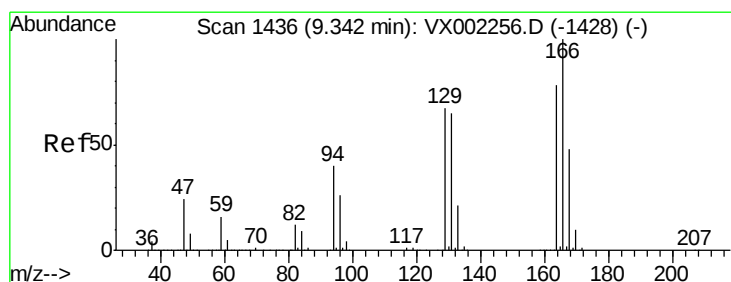
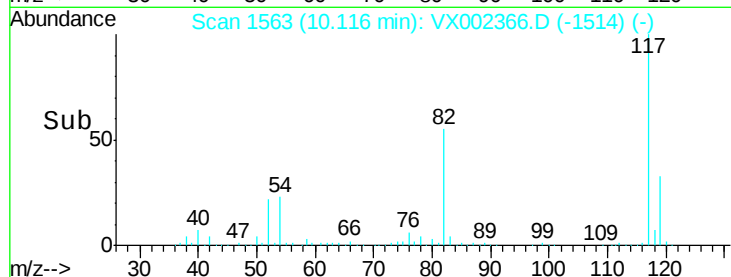
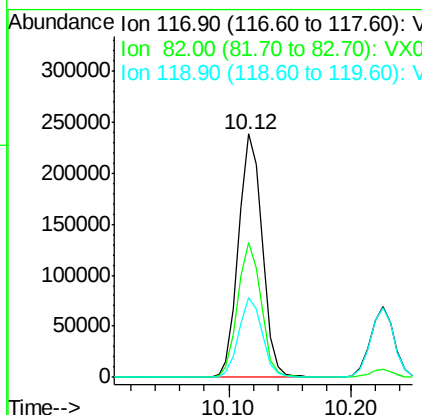
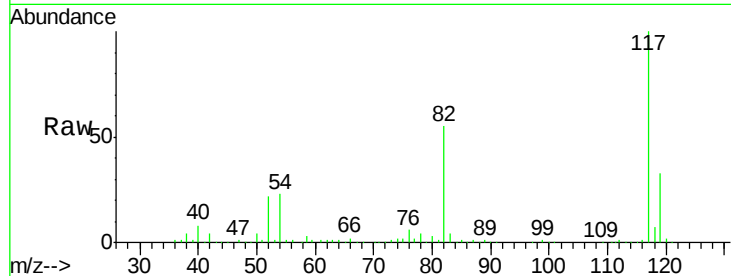
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.4
119	32.8	25.8	38.6

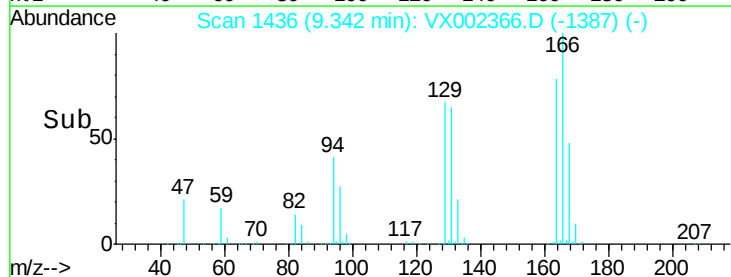
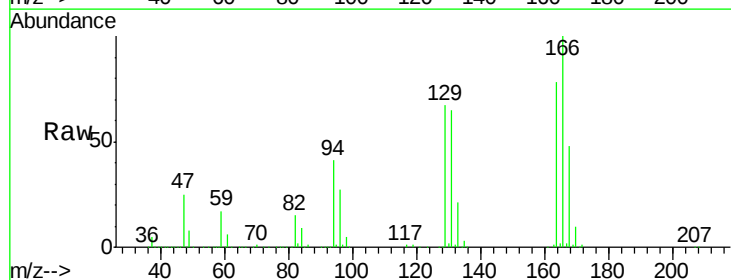
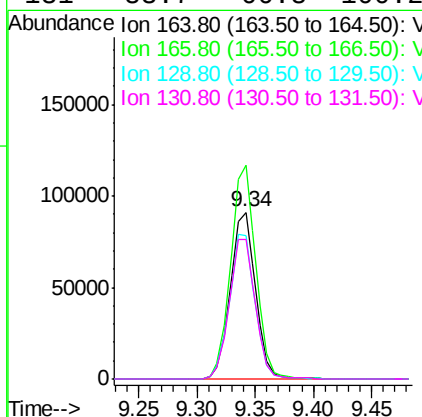
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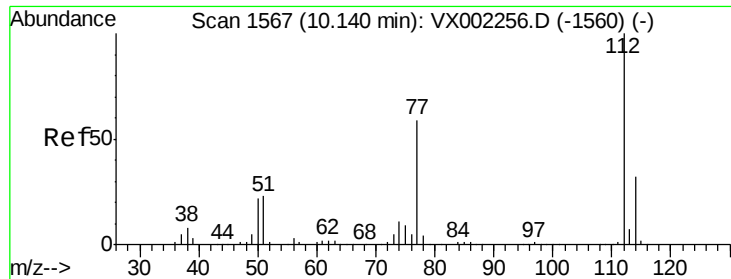
MMDadoda
6/7/2018 11:36:30 AM



#64
Tetrachloroethene
Concen: 41.59 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.9	154.3
129	85.9	68.6	102.8
131	83.7	66.8	100.2





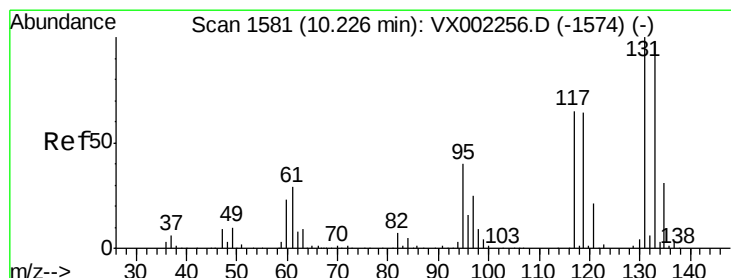
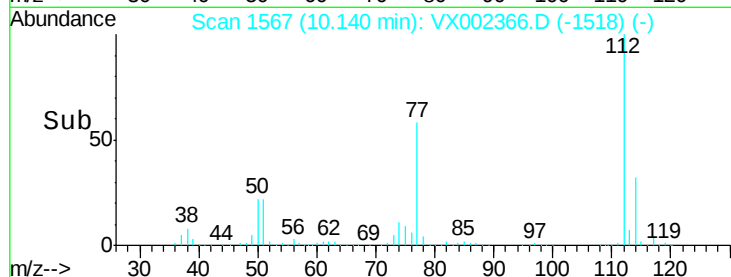
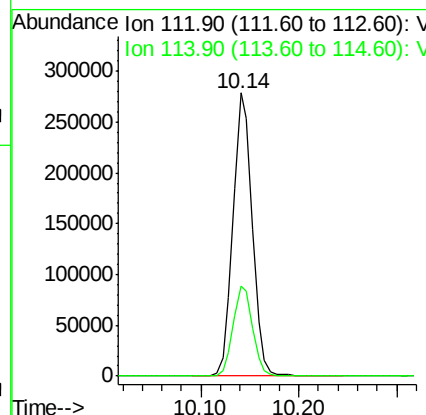
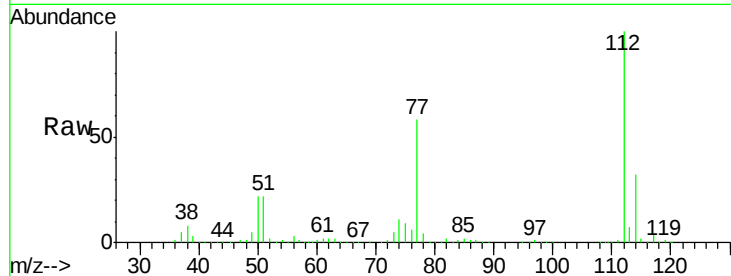
#65
Chlorobenzene
Concen: 47.88 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 381247
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

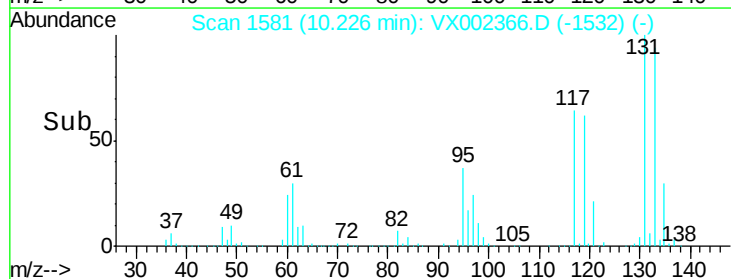
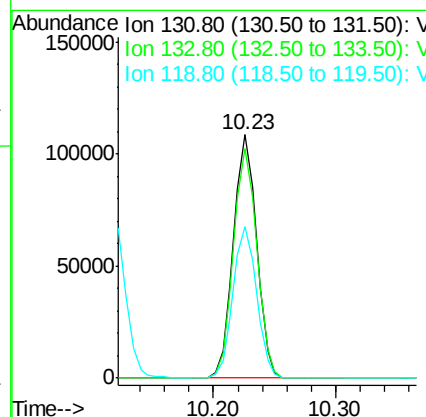
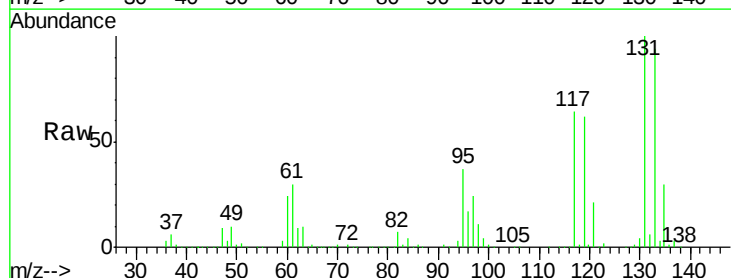
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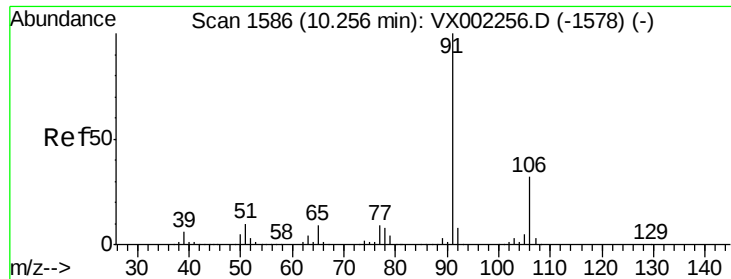
MMDadoda
6/7/2018 11:36:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.36 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion:131 Resp: 142311
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 63.4 31.8 95.3





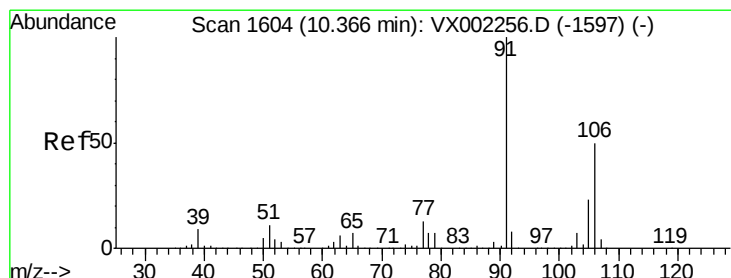
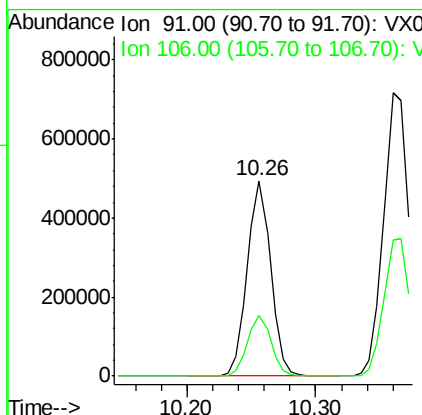
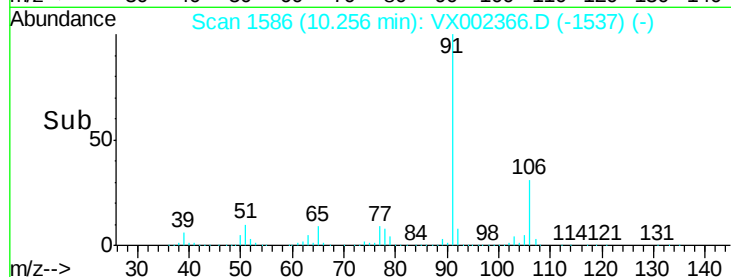
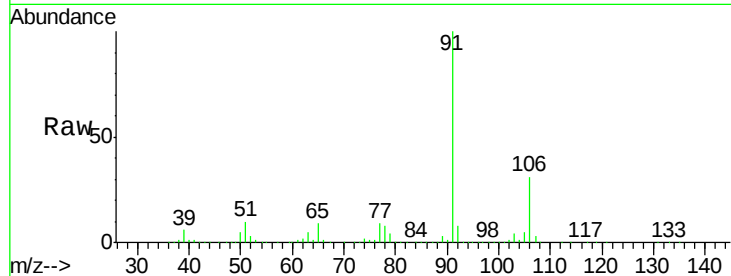
#67
Ethyl Benzene
Concen: 46.43 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 618718
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

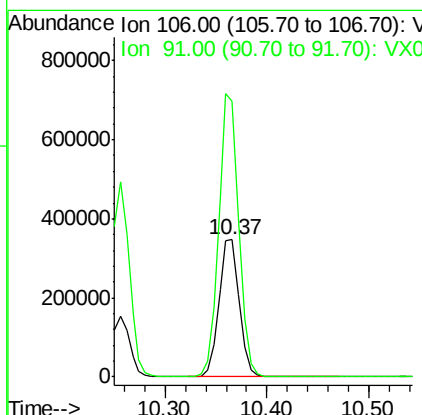
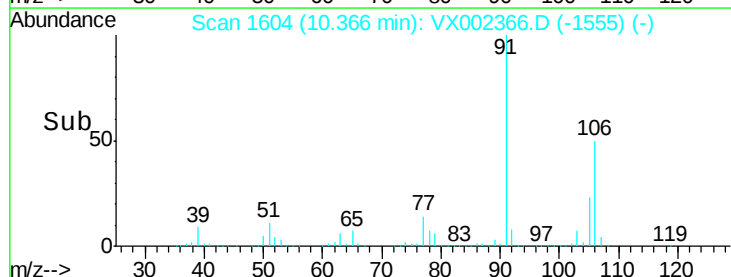
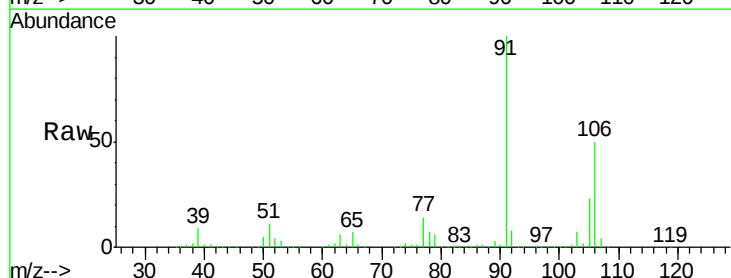
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#68
m/p-Xylenes
Concen: 93.71 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion: 106 Resp: 485434
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2





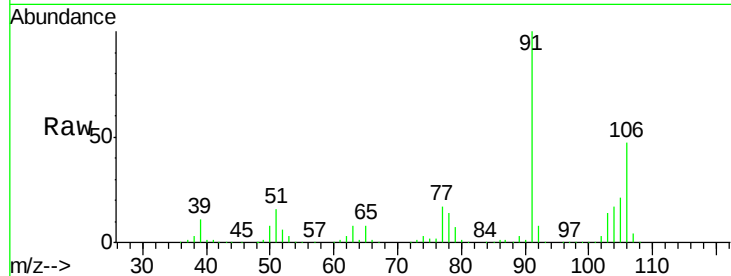
#69
o-Xylene
Concen: 48.93 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

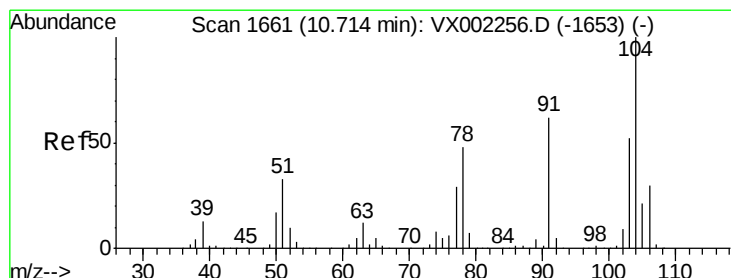
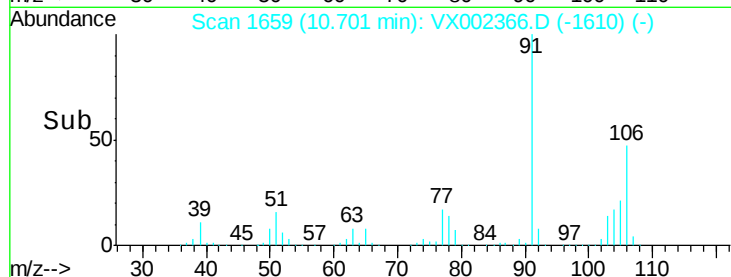
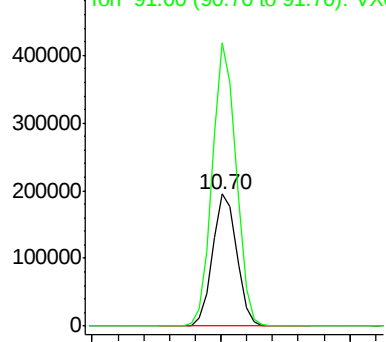
Tot Ion:106 Resp: 252235
Ion Ratio Lower Upper
106 100
91 211.7 108.2 324.6

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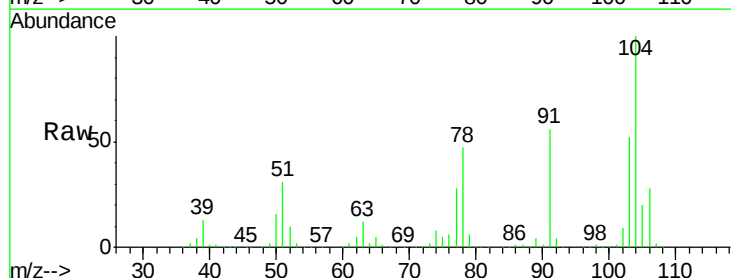


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

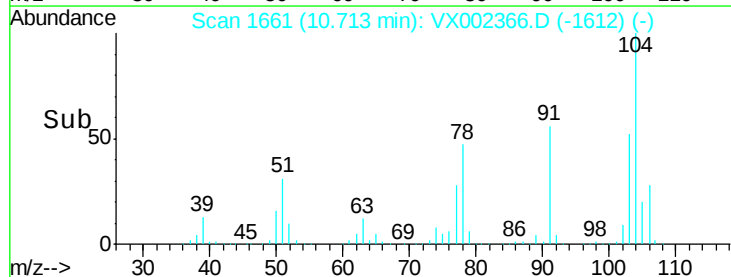
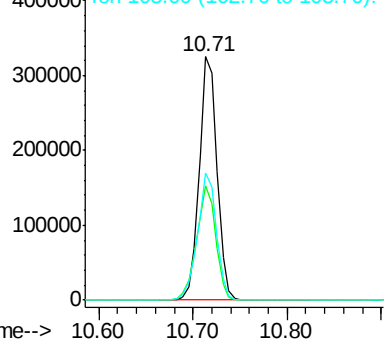


#70
Styrene
Concen: 50.43 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion:104 Resp: 424992
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.6
103 55.7 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





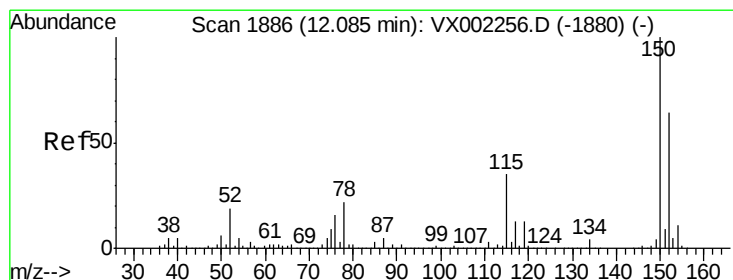
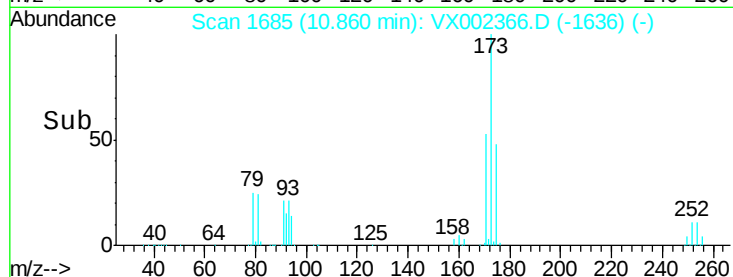
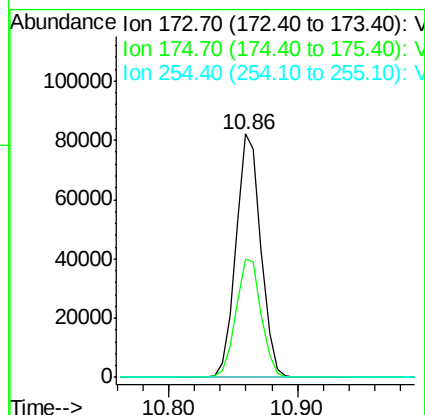
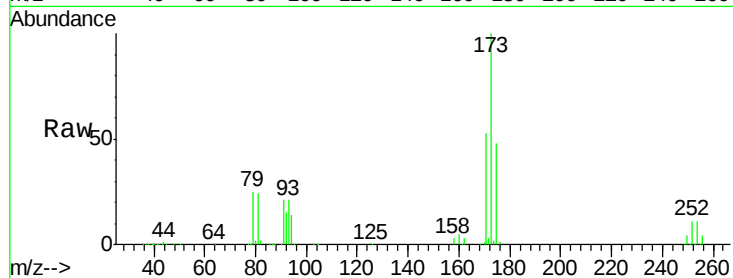
#71
Bromoform
Concen: 43.13 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.2	0.2	0.2

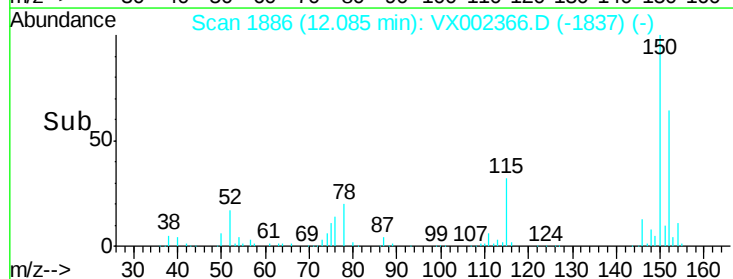
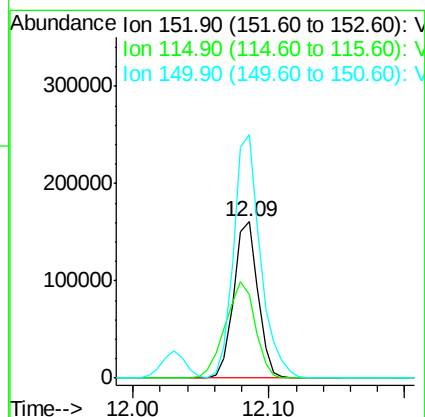
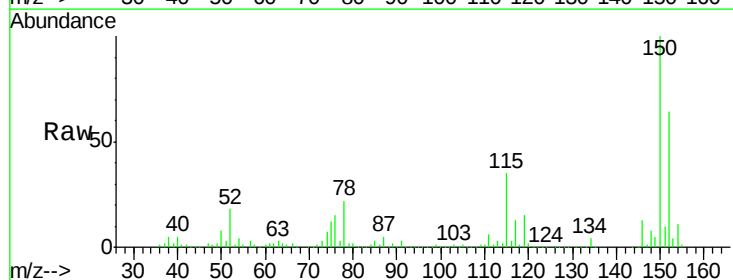
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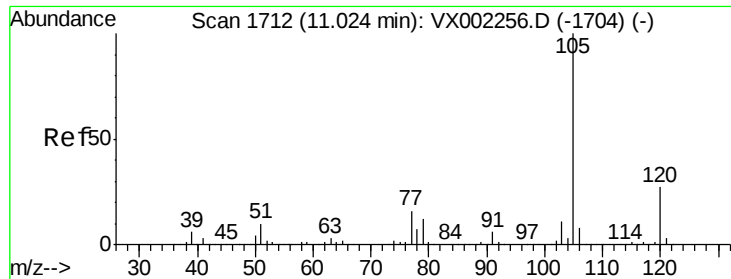
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.4	40.1	120.2
150	172.7	0.0	347.2





#73

Isopropylbenzene

Concen: 44.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 614951

Ion Ratio Lower Upper

105 100

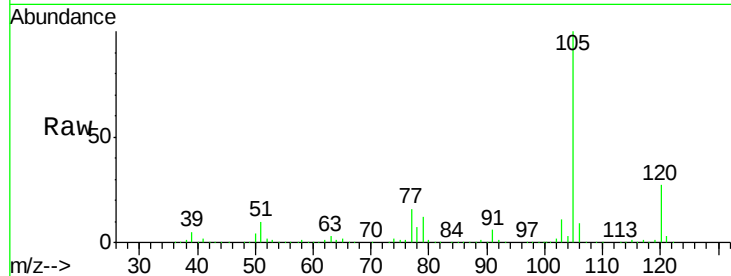
120 26.8 13.5 40.4

Manual Integrations

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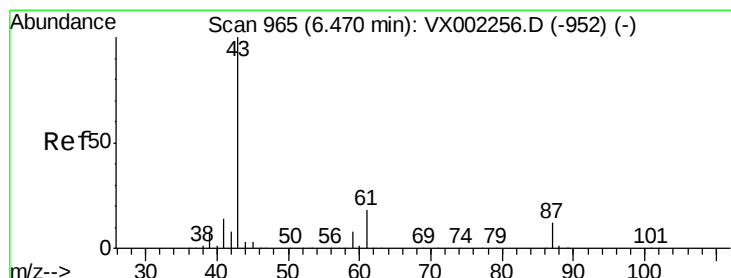
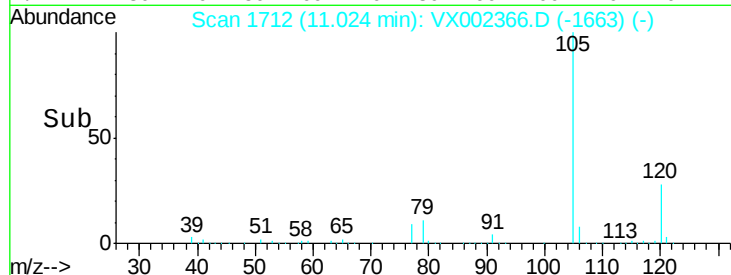
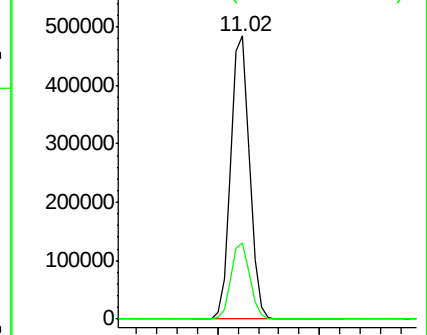
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.88 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion: 43 Resp: 355832

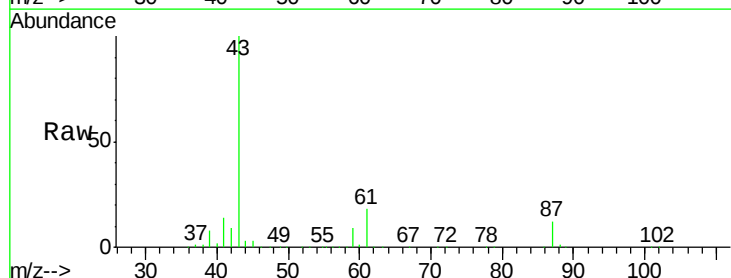
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.0 14.4 21.6

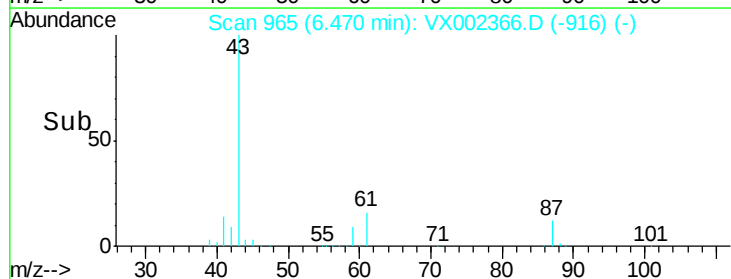
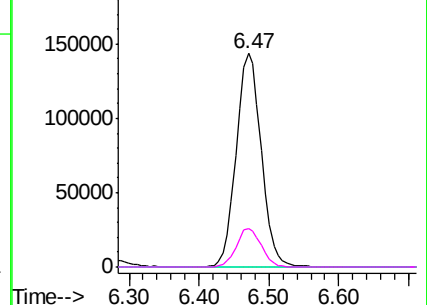


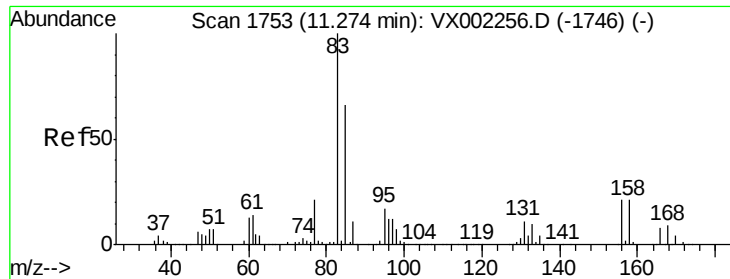
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





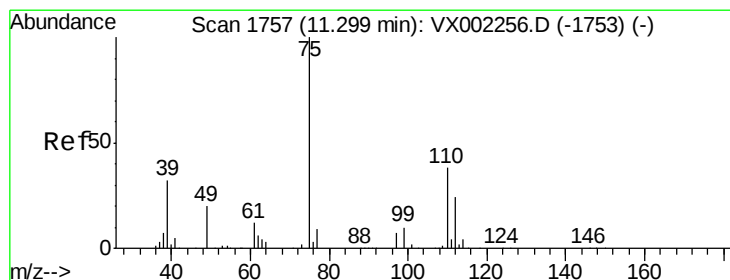
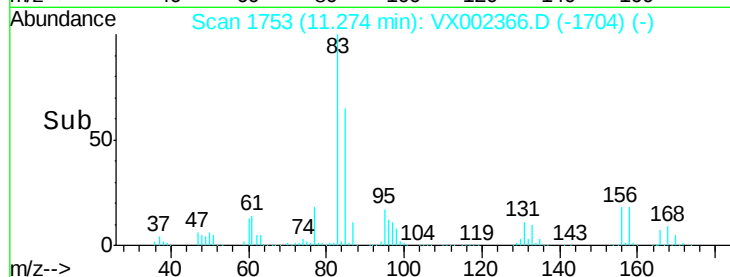
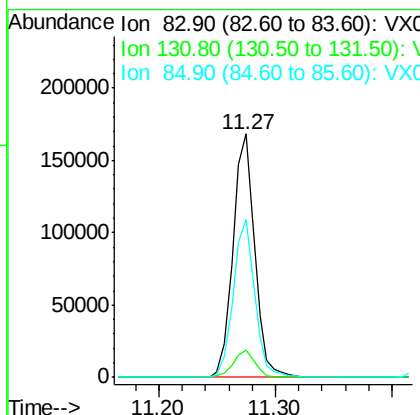
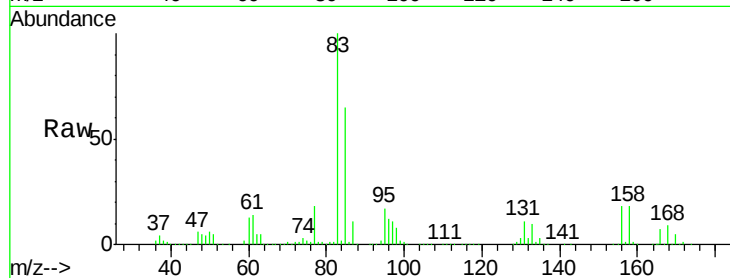
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.68 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219870		
131	10.9	5.6	16.8	
85	64.0	32.4	97.2	

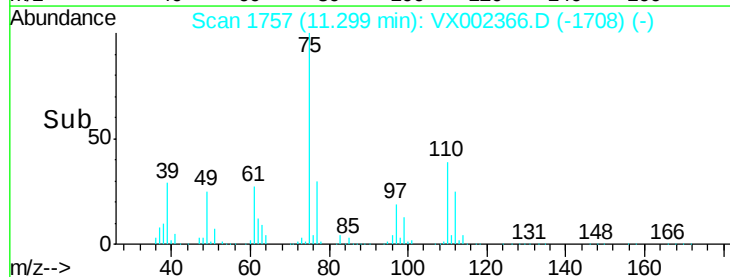
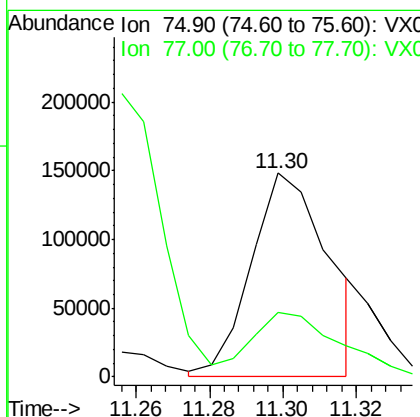
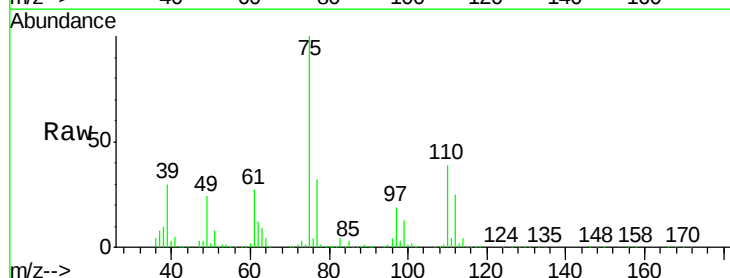
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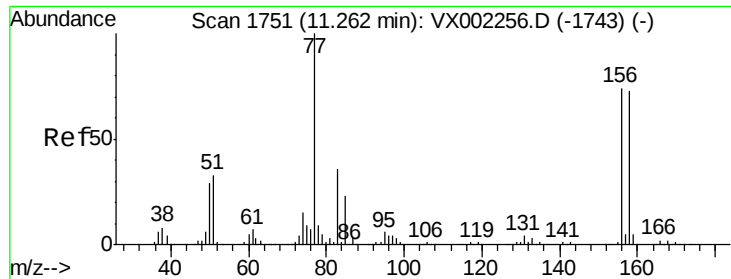
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#76
 1,2,3-Trichloropropane
 Concen: 49.46 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215176		
77	36.9	22.8	68.3	





#77

Bromobenzene

Concen: 48.53 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

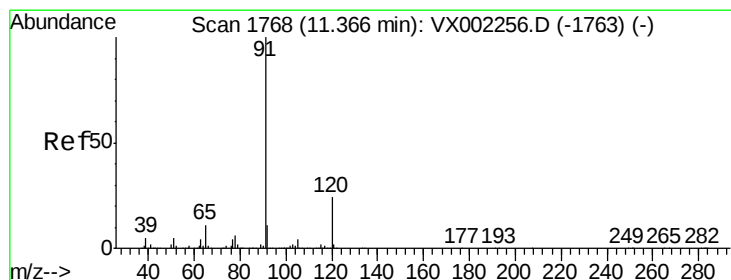
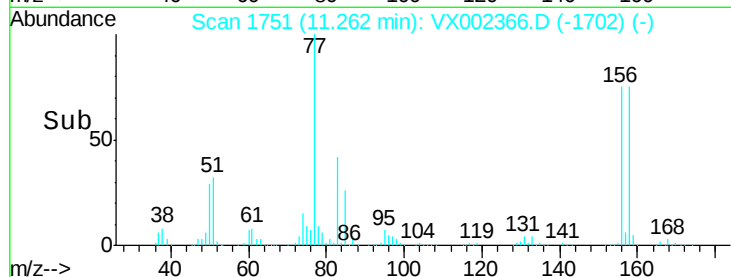
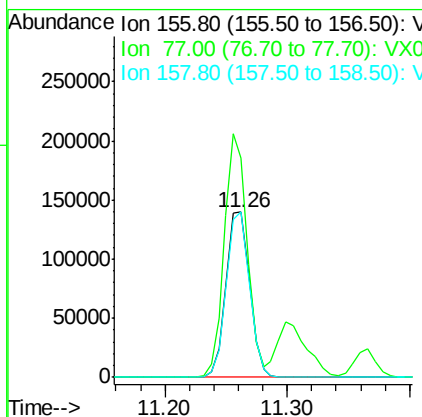
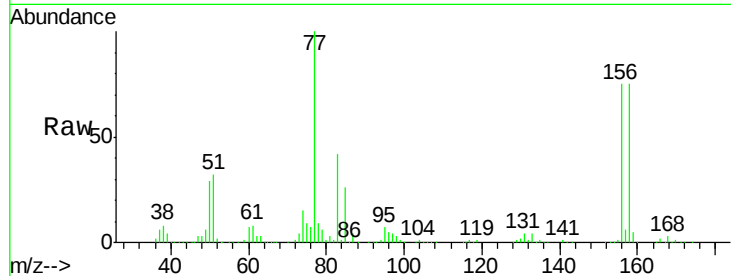
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	187917
Ion Ratio	Lower	Upper	
156	100		
77	141.2	71.4	214.2
158	97.8	48.9	146.6

Manual Integrations
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6/7/2018 11:36:30 AM



#78

n-propylbenzene

Concen: 44.34 ug/l

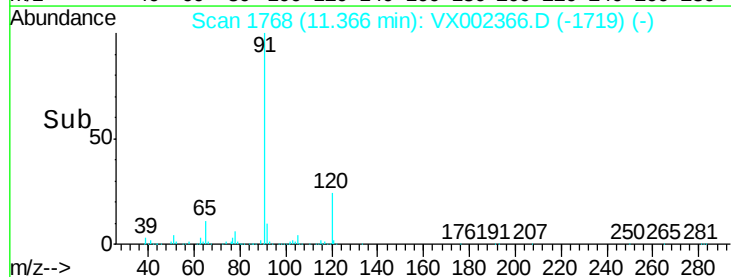
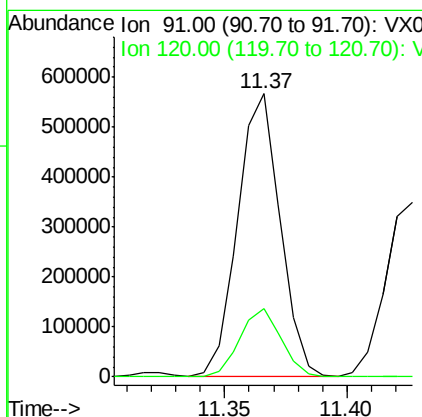
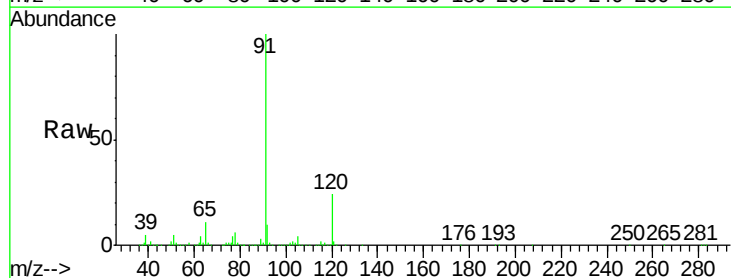
RT: 11.37 min Scan# 1768

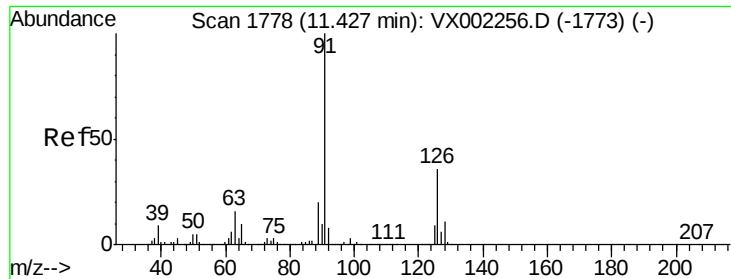
Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	91	Resp:	679738
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4





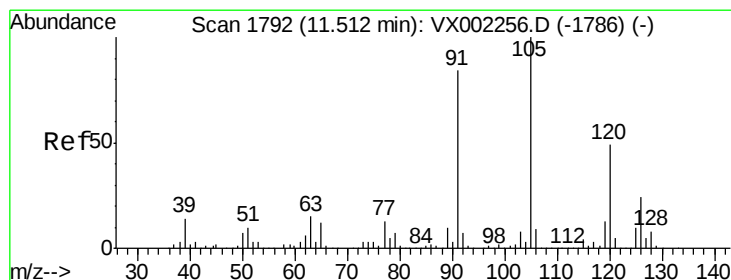
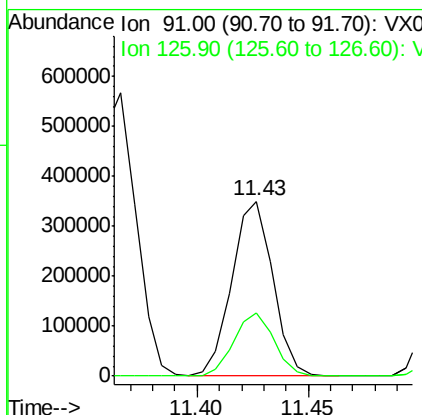
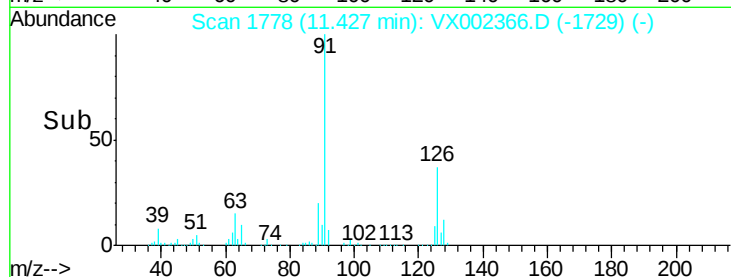
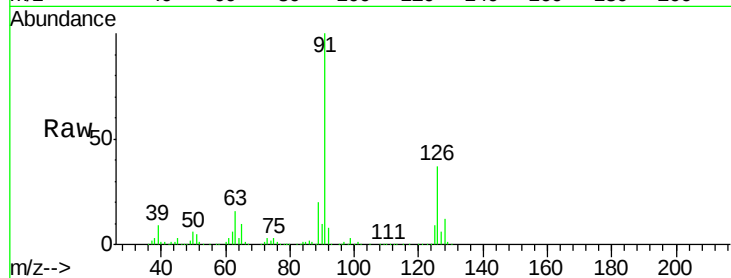
#79
2-Chlorotoluene
Concen: 46.24 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 447569
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

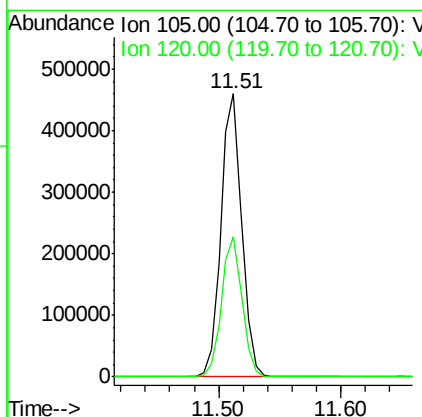
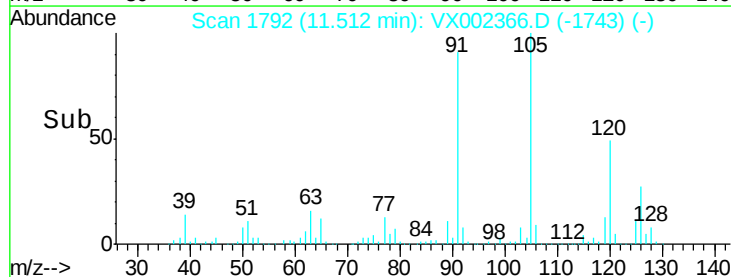
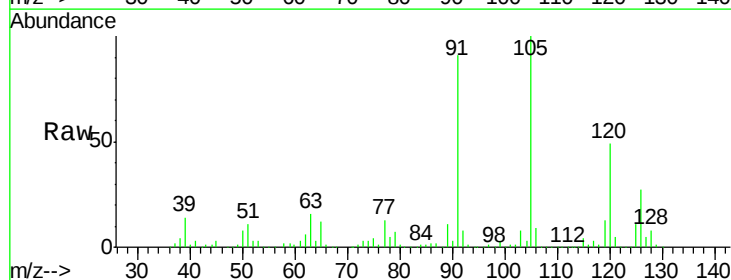
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 45.63 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion: 105 Resp: 539790
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 41.86 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 51956

Ion Ratio Lower Upper

75 100

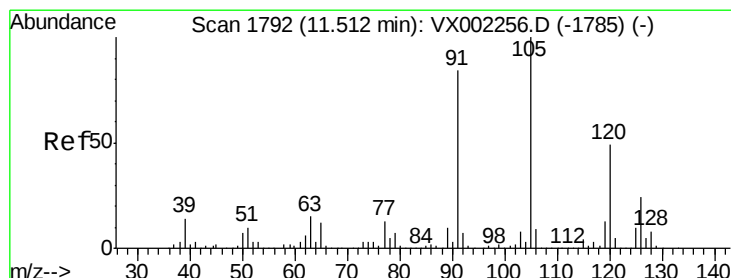
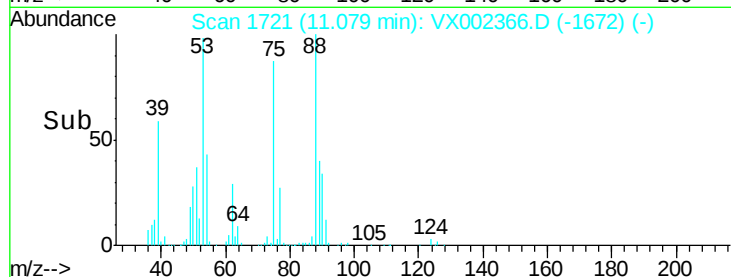
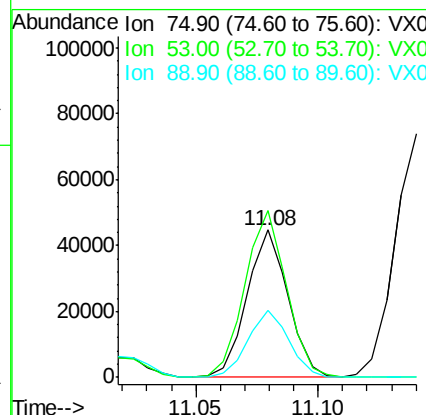
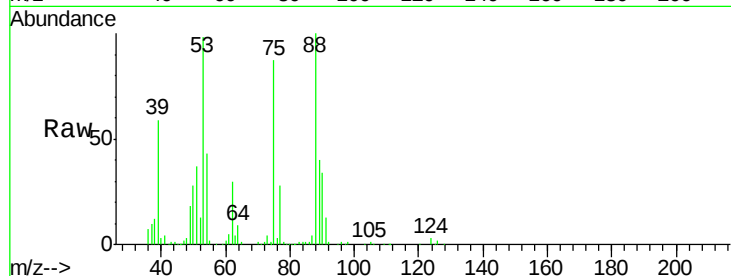
53 114.9 86.8 130.2

89 46.0 38.2 57.2

Manual Integrations
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6/7/2018 11:36:30 AM



#82

4-Chlorotoluene

Concen: 46.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002366.D

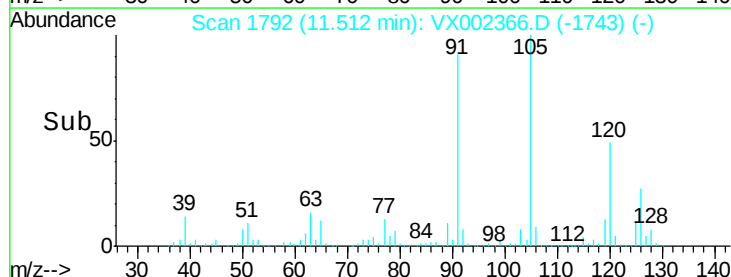
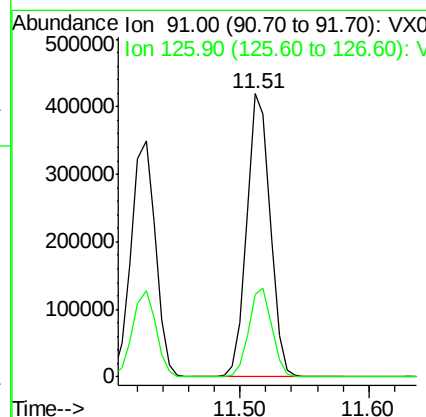
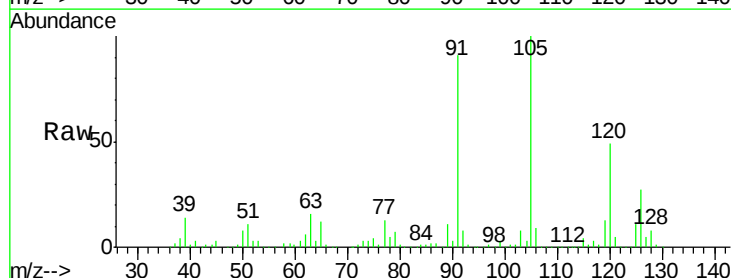
Acq: 06 Jun 2018 21:16

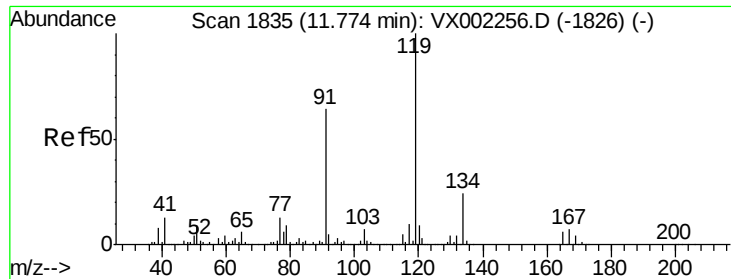
Tgt Ion: 91 Resp: 522789

Ion Ratio Lower Upper

91 100

126 31.0 15.4 46.4





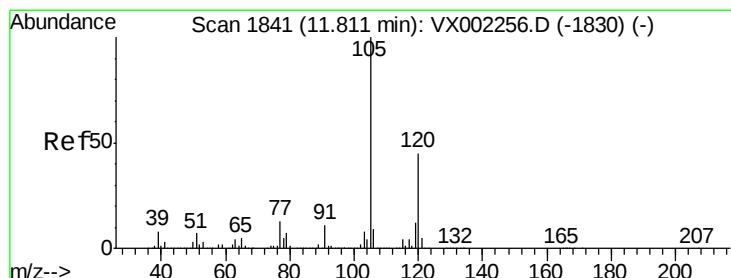
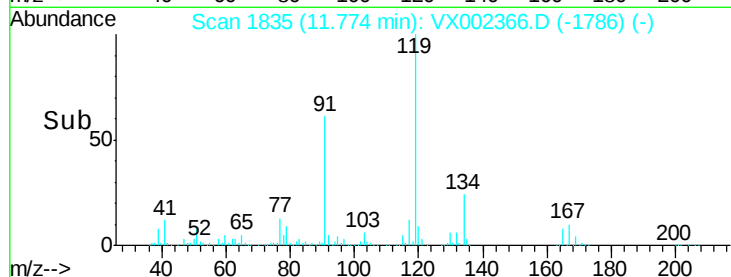
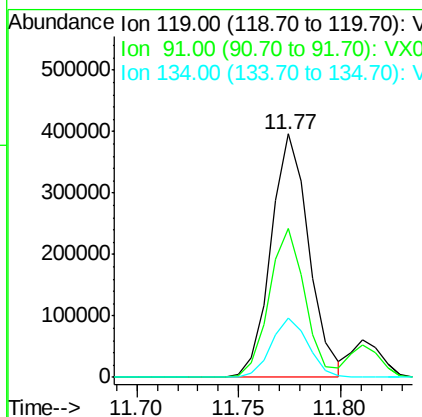
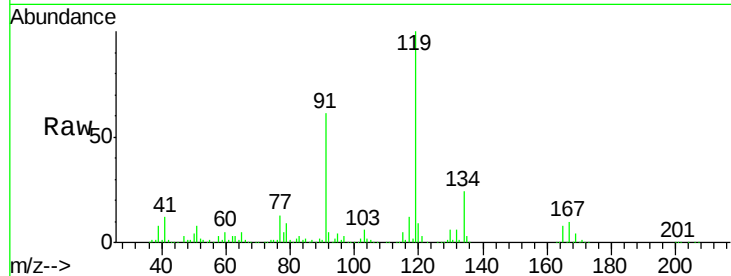
#83
 tert-Butylbenzene
 Concen: 44.52 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	30.3	90.9
134	23.7	11.7	35.1

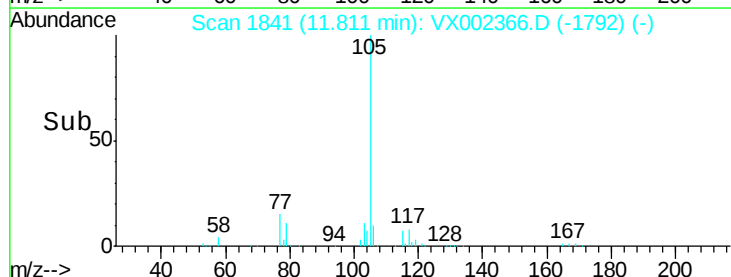
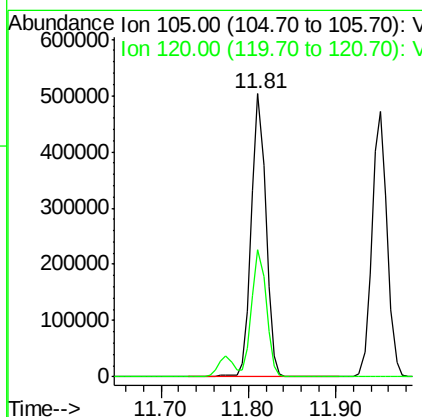
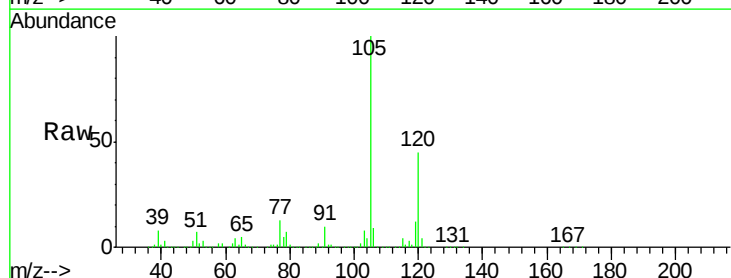
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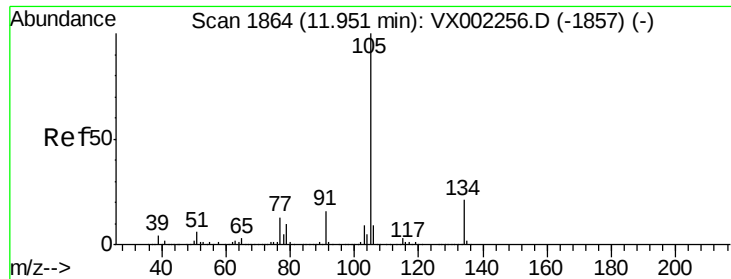
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.11 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 42.76 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 577525

Ion Ratio Lower Upper

105 100

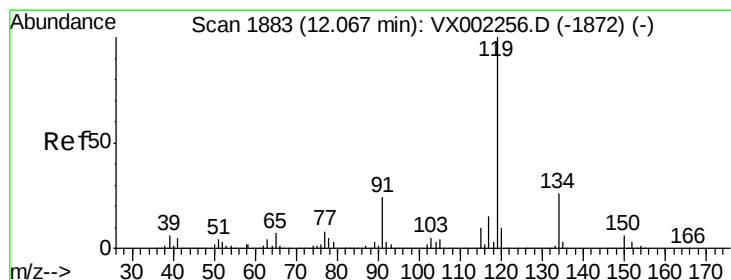
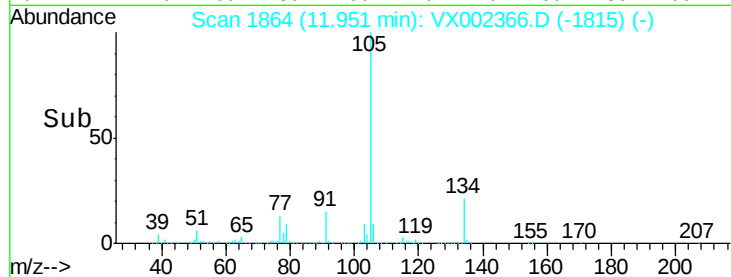
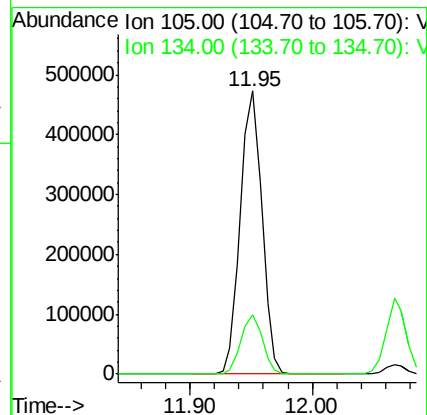
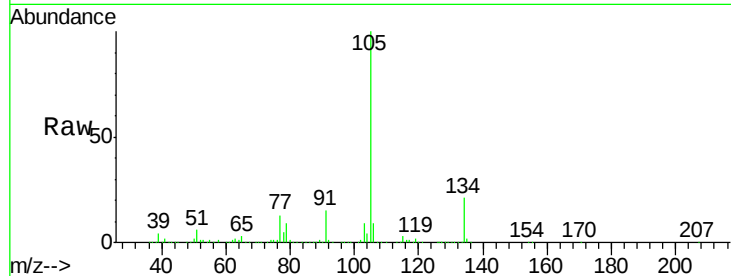
134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 43.63 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

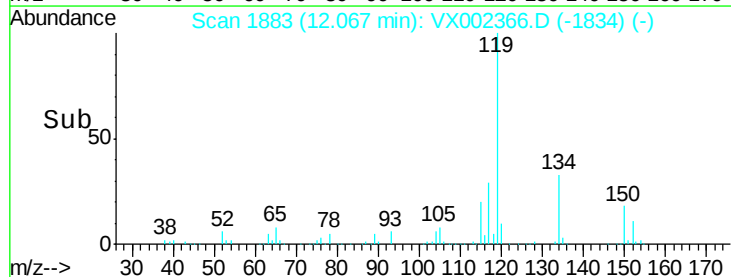
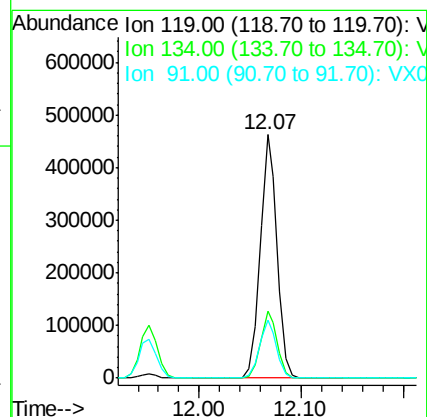
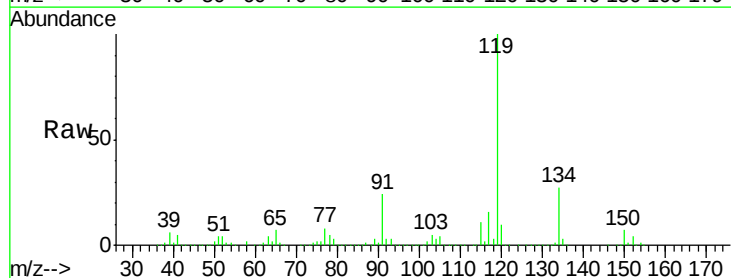
Tgt Ion:119 Resp: 536673

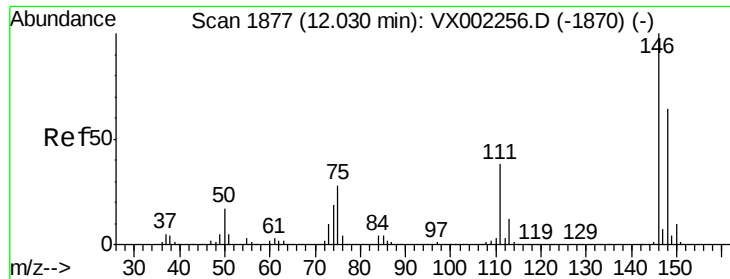
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.7 11.9 35.7





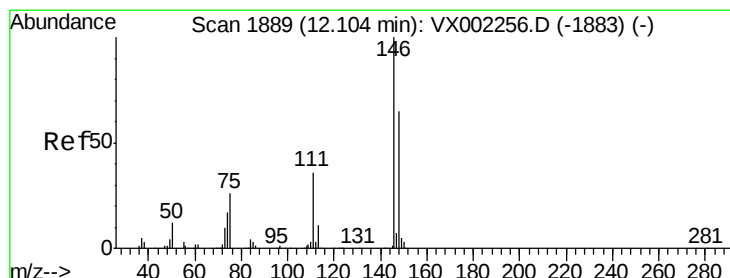
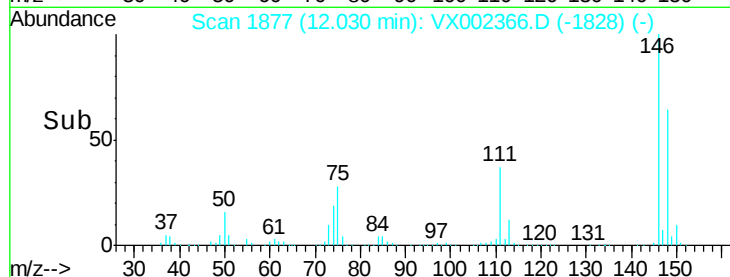
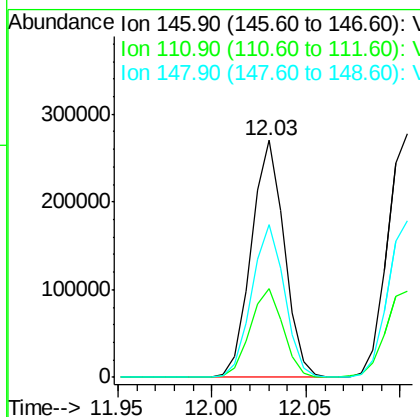
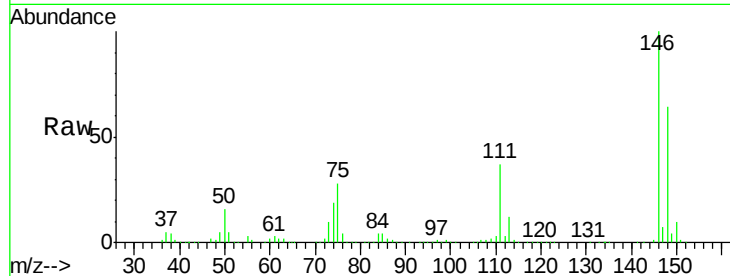
#87
 1,3-Dichlorobenzene
 Concen: 47.31 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.4	32.1	96.3

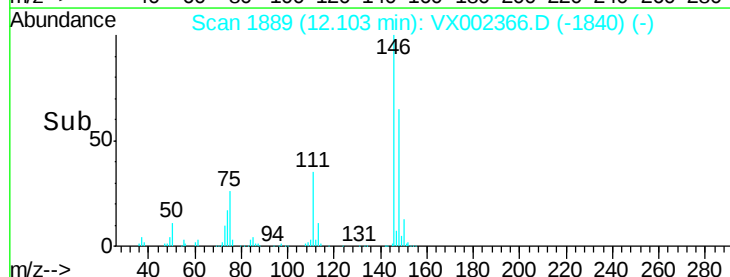
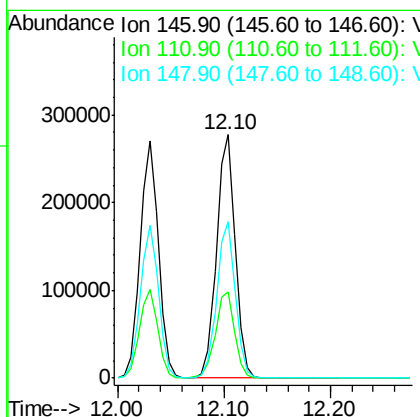
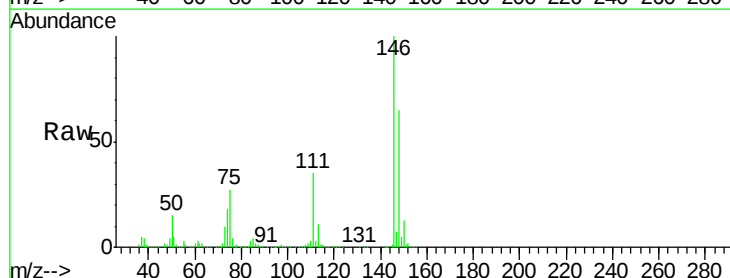
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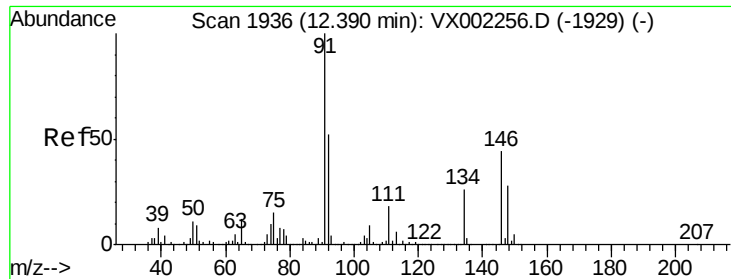
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#88
 1,4-Dichlorobenzene
 Concen: 46.98 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.3	32.4	97.0





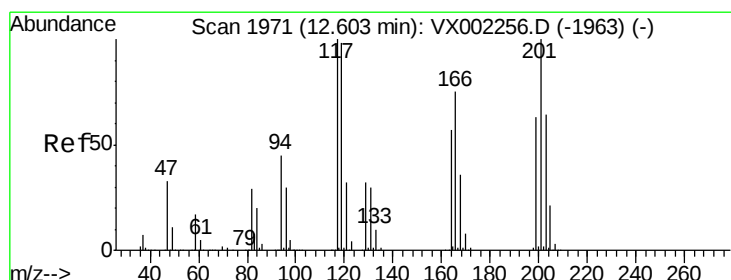
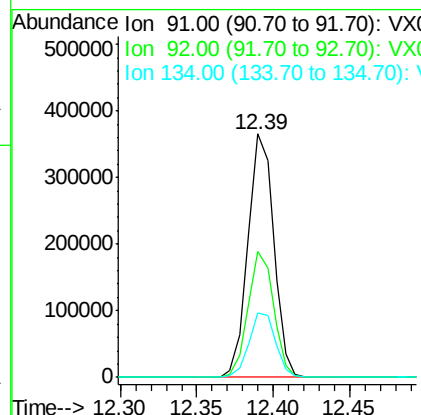
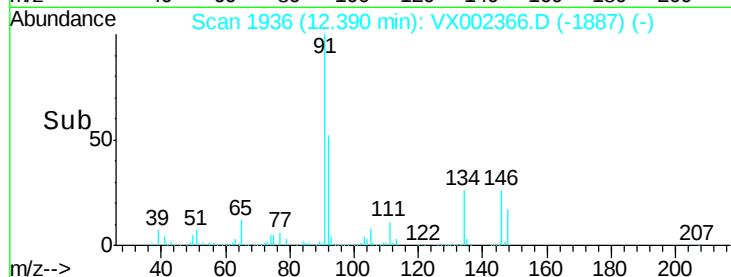
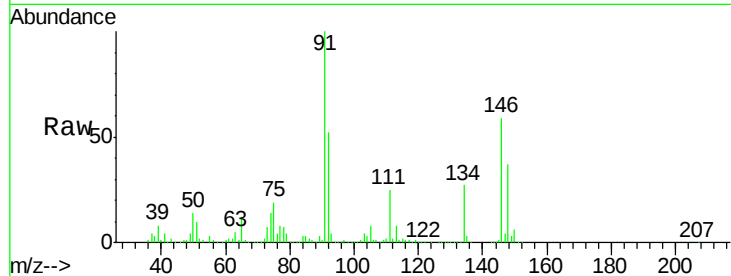
#89
n-Butylbenzene
Concen: 41.50 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	27.1	13.5	40.5

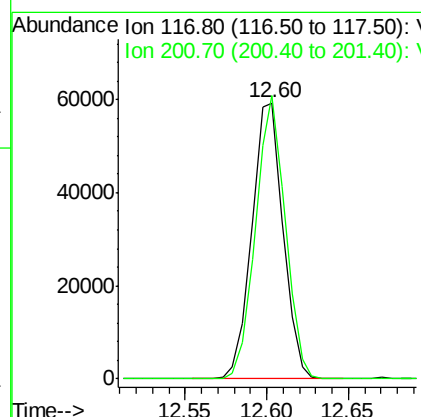
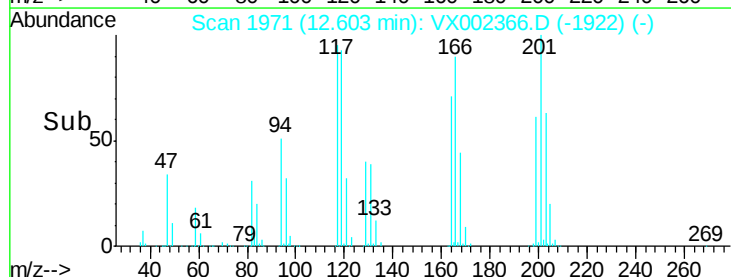
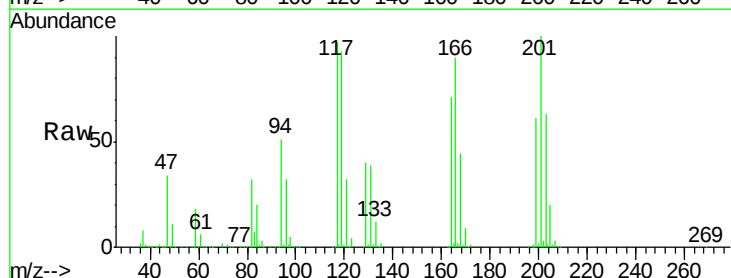
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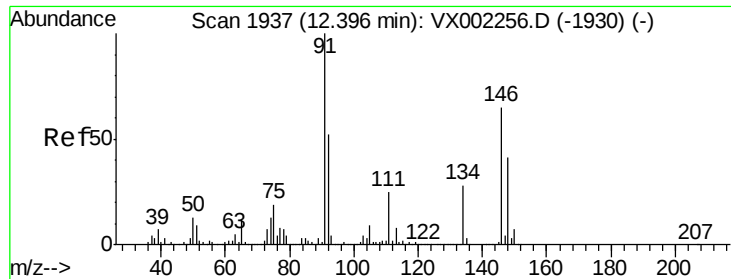
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#90
Hexachloroethane
Concen: 40.46 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002366.D
Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	49.0	147.0





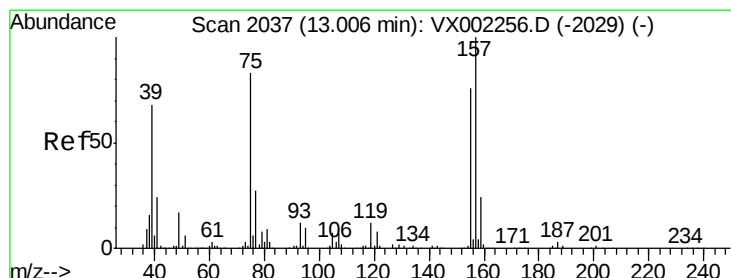
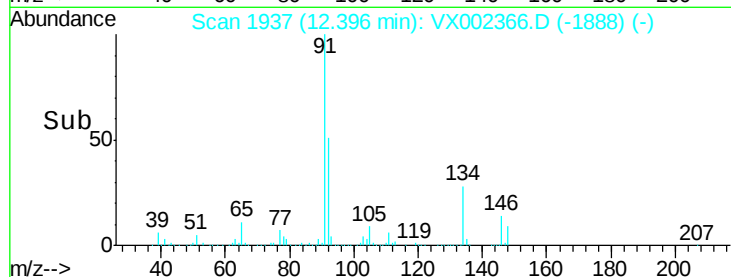
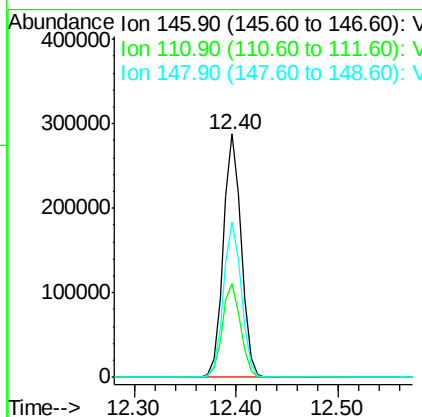
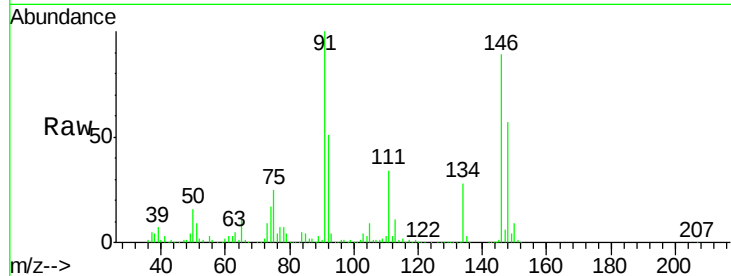
#91
 1,2-Dichlorobenzene
 Concen: 49.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	63.9	31.7	95.1

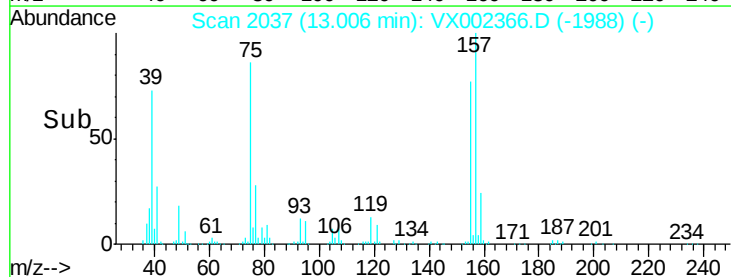
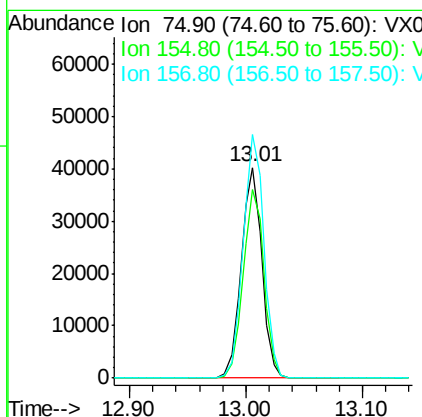
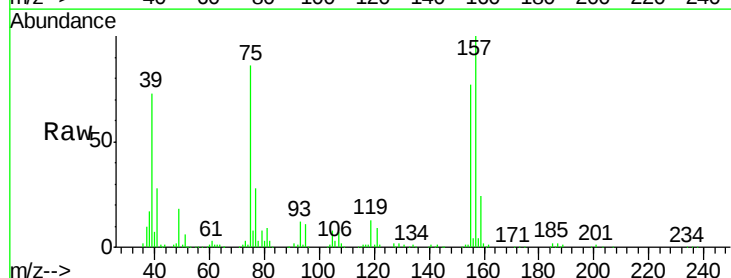
Manual Integrations
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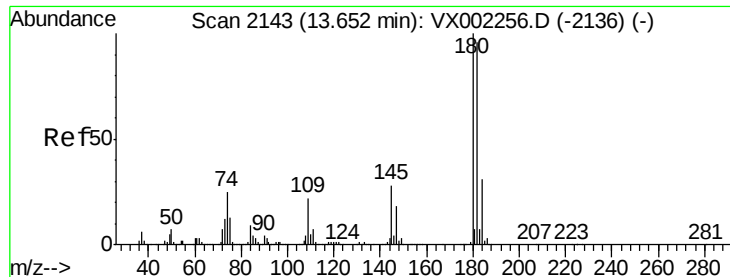
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.32 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	45.8	137.4
157	116.6	60.1	180.3





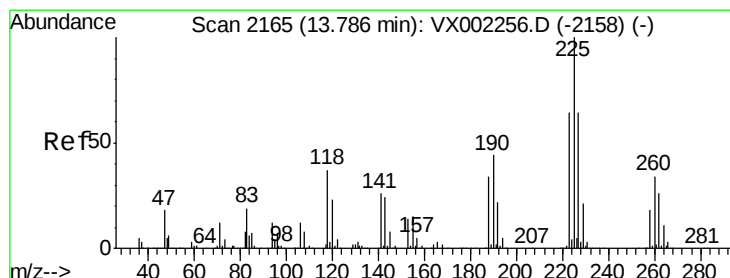
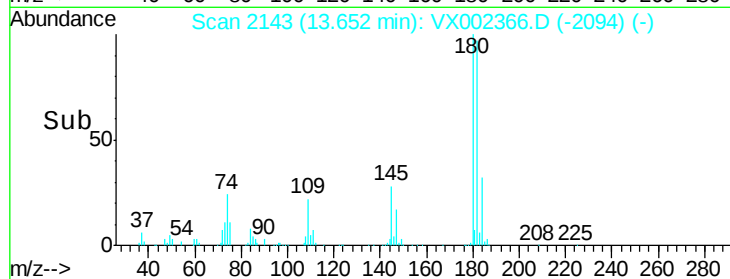
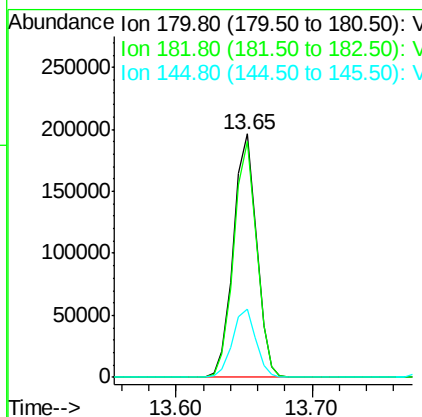
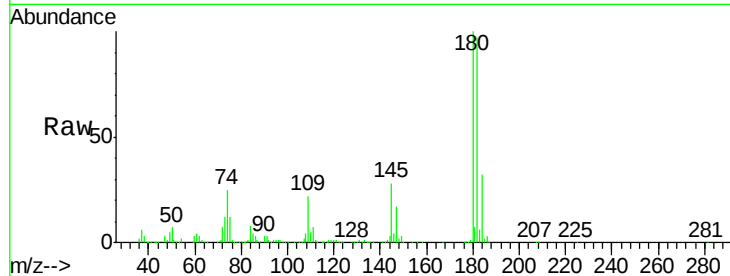
#93
 1,2,4-Trichlorobenzene
 Concen: 46.60 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234092		
182	95.9	47.7	143.1	
145	28.2	14.1	42.4	

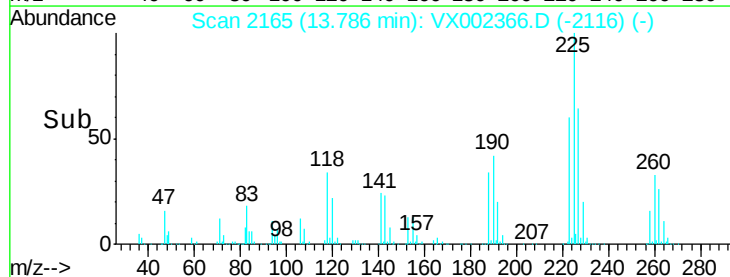
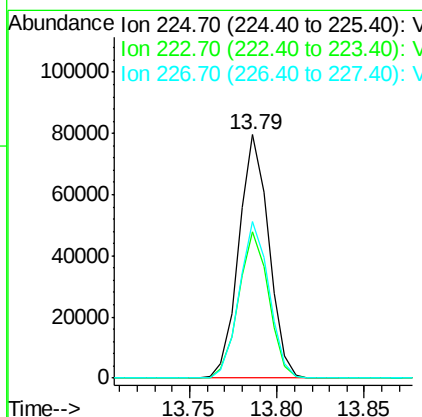
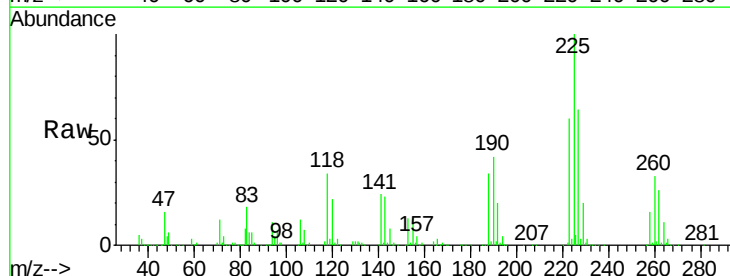
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#94
 Hexachlorobutadiene
 Concen: 38.11 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002366.D
 Acq: 06 Jun 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94596		
223	60.3	31.6	95.0	
227	64.2	32.4	97.2	





#95

Naphthalene

Concen: 52.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Instrument :

MSVOA_X

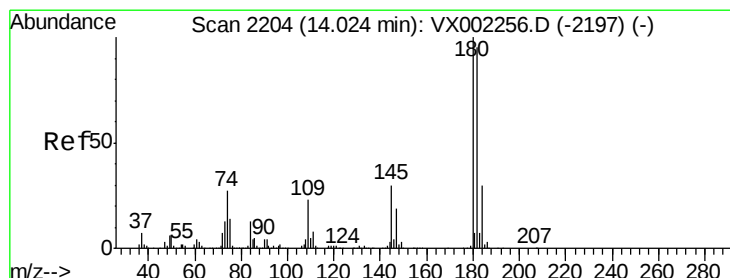
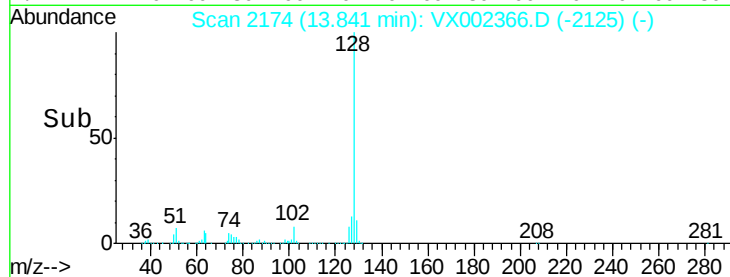
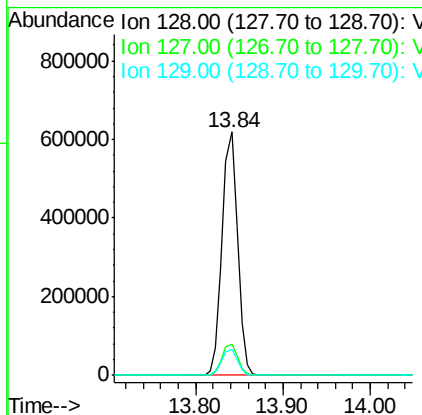
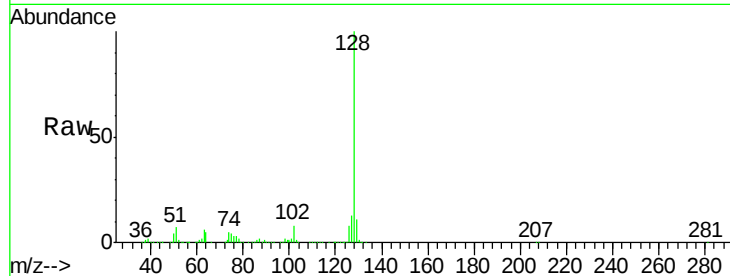
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	755771
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/7/2018 11:36:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.05 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002366.D

Acq: 06 Jun 2018 21:16

Tgt Ion:	180	Resp:	251268
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.0
145	29.5	14.8	44.3

