

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\
 Data File : VX004537.D
 Acq On : 14 Sep 2018 14:00
 Operator : JC/MD
 Sample : VX0914MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Manual Integrations
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apatel
 9/18/2018 11:30:47 AM

Quant Time: Sep 15 05:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	278794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354587	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180458	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	5.50	113	156765	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.72	98	526644	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.14	95	191929	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52688	20.16	ug/l	100
3) Chloromethane	1.32	50	66545	18.51	ug/l	100
4) Vinyl Chloride	1.40	62	72100	19.54	ug/l	100
5) Bromomethane	1.64	94	29494	18.34	ug/l	96
6) Chloroethane	1.72	64	43940	18.41	ug/l	91
7) Trichlorofluoromethane	1.93	101	93813	19.17	ug/l	92
8) Diethyl Ether	2.19	74	44158	20.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59900	19.30	ug/l	100
10) Methyl Iodide	2.51	142	45747	15.54	ug/l	95
11) Tert butyl alcohol	3.07	59	81404	94.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57794	19.84	ug/l	87
13) Acrolein	2.29	56	43198	127.58	ug/l	99
14) Allyl chloride	2.73	41	112304	18.75	ug/l	98
15) Acrylonitrile	3.15	53	192410	93.15	ug/l	98
16) Acetone	2.45	43	157698	89.88	ug/l	98
17) Carbon Disulfide	2.57	76	155806	18.50	ug/l	98
18) Methyl Acetate	2.78	43	95292	19.36	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	201701	19.73	ug/l	99
20) Methylene Chloride	2.85	84	68578	19.05	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	62058	19.28	ug/l	98
22) Diisopropyl ether	3.87	45	213167	19.76	ug/l	95
23) Vinyl Acetate	3.82	43	860006	98.52	ug/l	99
24) 1,1-Dichloroethane	3.69	63	118300	19.43	ug/l	98
25) 2-Butanone	4.70	43	248727	89.07	ug/l	92
26) 2,2-Dichloropropane	4.58	77	86495	20.68	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72080	20.06	ug/l	99
28) Bromochloromethane	5.02	49	59117	21.22	ug/l	98
29) Tetrahydrofuran	5.15	42	162518	96.51	ug/l	98
30) Chloroform	5.21	83	114789	19.31	ug/l	99
31) Cyclohexane	5.57	56	103335	19.87	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	95960	20.04	ug/l	98
36) 1,1-Dichloropropene	5.80	75	85992	19.98	ug/l	98
37) Ethyl Acetate	4.86	43	92352	18.86	ug/l	99
38) Carbon Tetrachloride	5.78	117	81280	19.33	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86979	19.36	ug/l	97
40) Benzene	6.14	78	268087	20.99	ug/l	97
41) Methacrylonitrile	5.06	41	52590	19.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	84367	19.92	ug/l	100
43) Isopropyl Acetate	6.46	43	131143	20.17	ug/l	99
44) Trichloroethene	7.21	130	65656	19.79	ug/l	91
45) 1,2-Dichloropropane	7.52	63	60683	19.74	ug/l	100
46) Dibromomethane	7.66	93	37574	19.35	ug/l	98
47) Bromodichloromethane	7.90	83	69783	19.00	ug/l	97
48) Methyl methacrylate	7.78	41	62387	19.38	ug/l	99
49) 1,4-Dioxane	7.76	88	30557	401.16	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	414321	90.28	ug/l	98
52) Toluene	8.79	92	149407	19.85	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	89986	20.98	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	88102	20.15	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	68420	21.12	ug/l	99
56) Ethyl methacrylate	9.18	69	93627	20.43	ug/l	98
57) 1,3-Dichloropropane	9.37	76	111029	21.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	230354	103.04	ug/l	95
59) 2-Hexanone	9.50	43	352355	100.10	ug/l	97
60) Dibromochloromethane	9.59	129	61706	20.23	ug/l	96
61) 1,2-Dibromoethane	9.68	107	60669	19.60	ug/l	100
64) Tetrachloroethene	9.34	164	80575	19.42	ug/l #	89
65) Chlorobenzene	10.14	112	162617	19.70	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55445	19.48	ug/l	99
67) Ethyl Benzene	10.26	91	276431	20.60	ug/l	98
68) m/p-Xylenes	10.36	106	220310	42.62	ug/l	96
69) o-Xylene	10.70	106	101963	20.52	ug/l	100
70) Styrene	10.71	104	170151	20.67	ug/l	99
71) Bromoform	10.86	173	43153	18.47	ug/l #	99
73) Isopropylbenzene	11.02	105	276524	21.06	ug/l	100
74) N-amyl acetate	10.90	43	107891	19.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	82936	19.58	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	78231m	19.50	ug/l	
77) Bromobenzene	11.26	156	73343	20.21	ug/l	98
78) n-propylbenzene	11.36	91	317298	21.02	ug/l	100
79) 2-Chlorotoluene	11.42	91	187222	20.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234248	21.22	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	22560	17.93	ug/l	99
82) 4-Chlorotoluene	11.51	91	218857	20.48	ug/l	99
83) tert-Butylbenzene	11.77	119	219926	20.93	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	250237	22.21	ug/l	99
85) sec-Butylbenzene	11.94	105	279809	20.90	ug/l	99
86) p-Isopropyltoluene	12.07	119	250758	21.21	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	135889	20.07	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137805	19.70	ug/l	98
89) n-Butylbenzene	12.39	91	214715	19.93	ug/l	98
90) Hexachloroethane	12.60	117	35288	18.64	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	136594	19.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17533	19.39	ug/l	99

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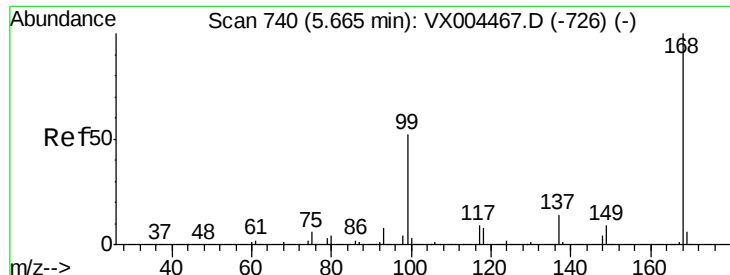
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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98217	20.24	ug/l	99
94) Hexachlorobutadiene	13.79	225	48761	19.24	ug/l	97
95) Naphthalene	13.83	128	284705	20.92	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	102127	20.49	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion:168 Resp: 278794

Ion Ratio Lower Upper

168 100

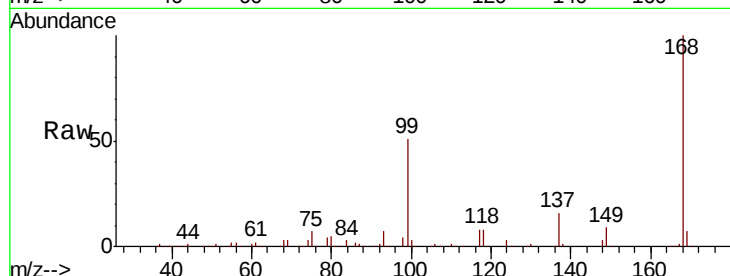
99 51.1 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

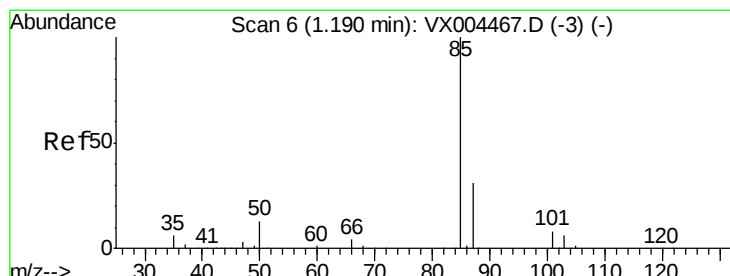
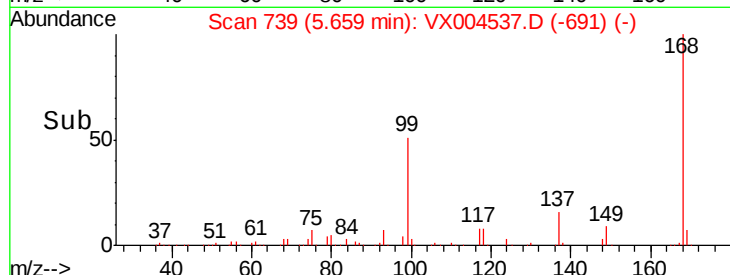
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.16 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004537.D

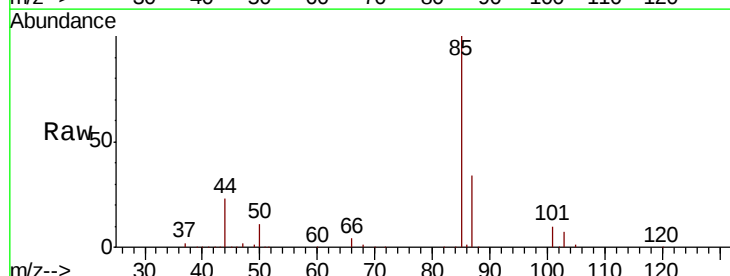
Acq: 14 Sep 2018 14:00

Tgt Ion: 85 Resp: 52688

Ion Ratio Lower Upper

85 100

87 34.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

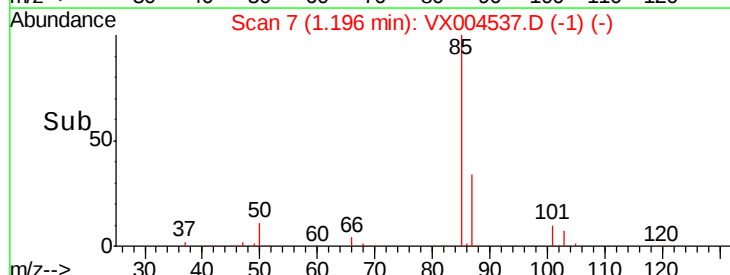
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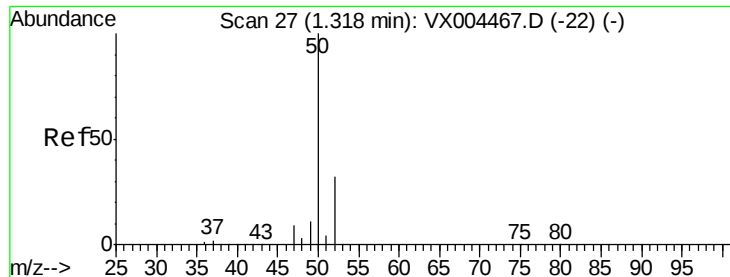
10000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.51 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 50 Resp: 66545

Ion Ratio Lower Upper

50 100

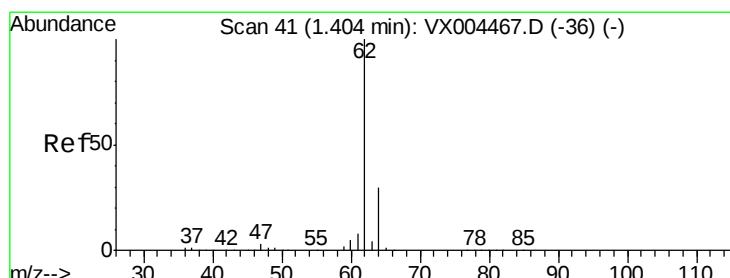
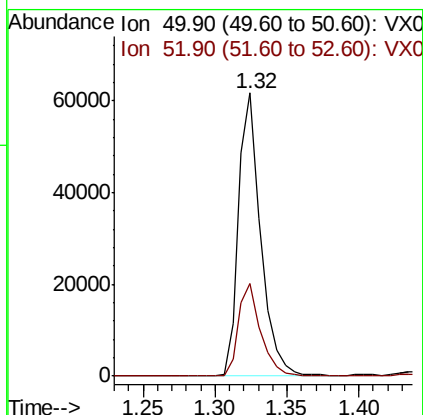
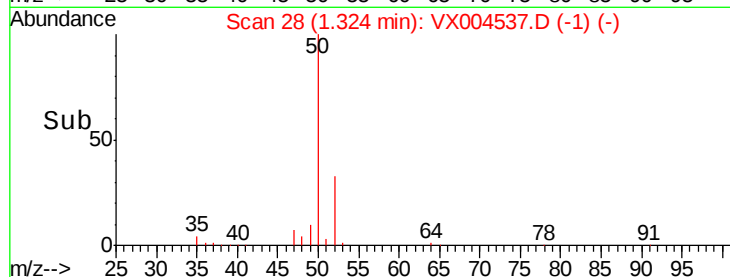
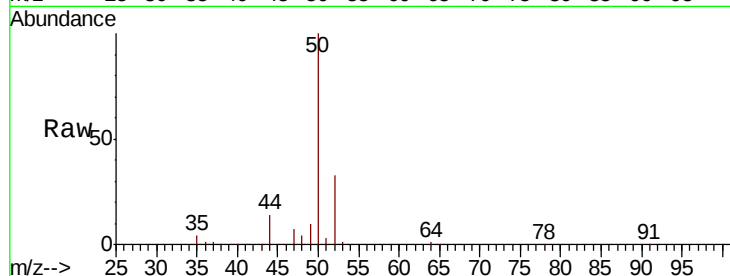
52 32.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 19.54 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004537.D

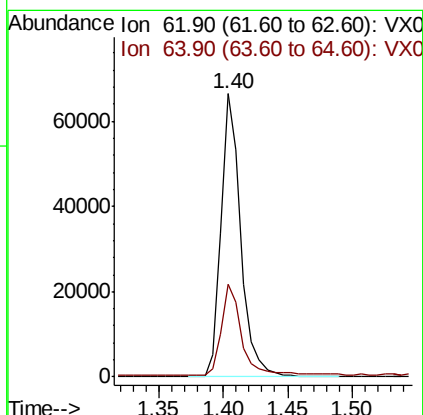
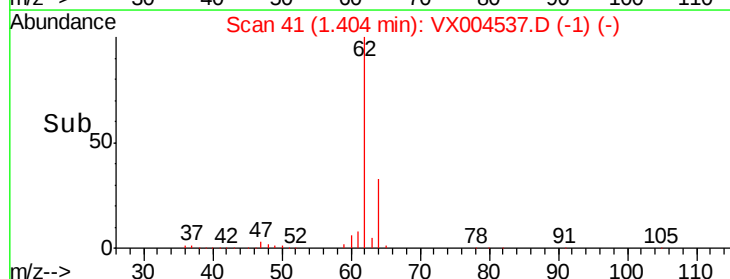
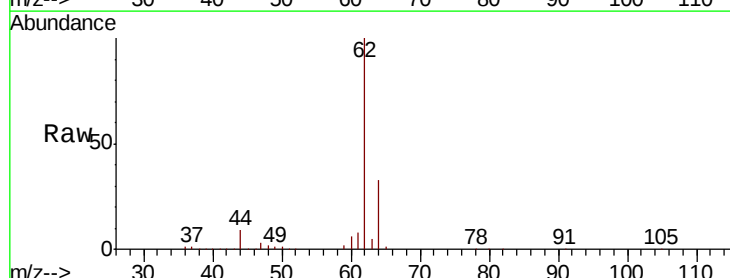
Acq: 14 Sep 2018 14:00

Tgt Ion: 62 Resp: 72100

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 18.34 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 94 Resp: 29494

Ion Ratio Lower Upper

94 100

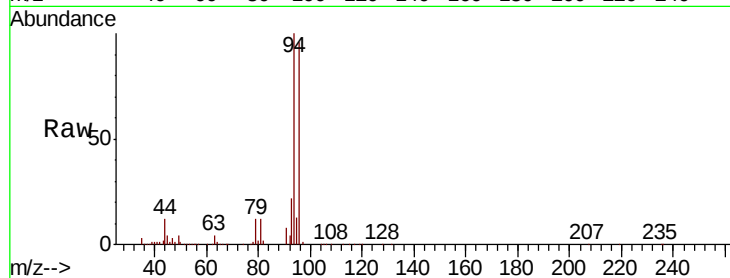
96 96.5 74.5 111.7

Manual Integrations

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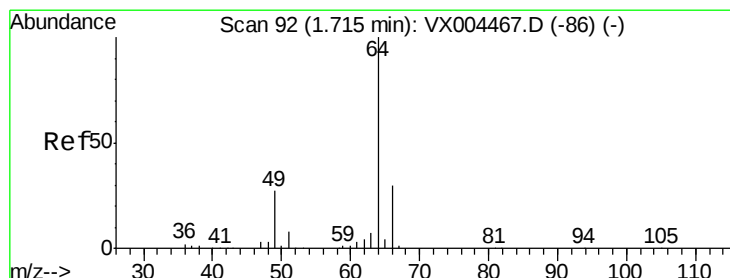
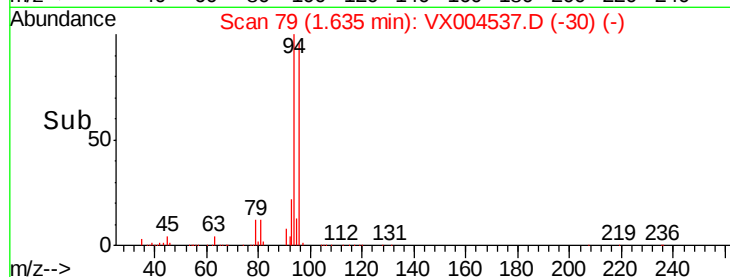
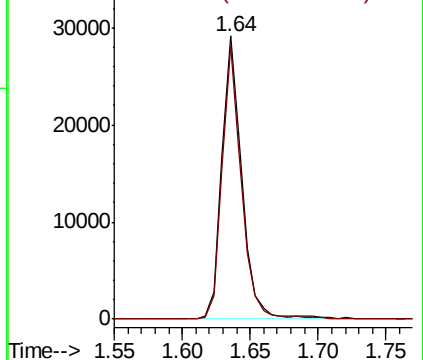
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.41 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004537.D

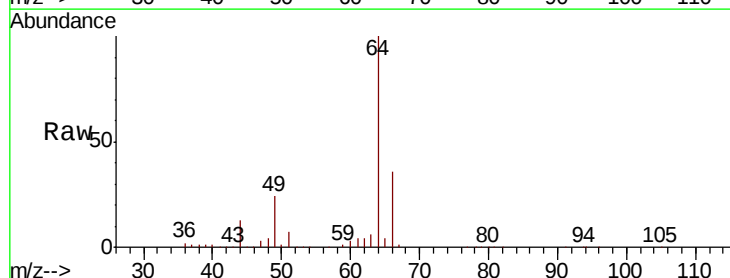
Acq: 14 Sep 2018 14:00

Tgt Ion: 64 Resp: 43940

Ion Ratio Lower Upper

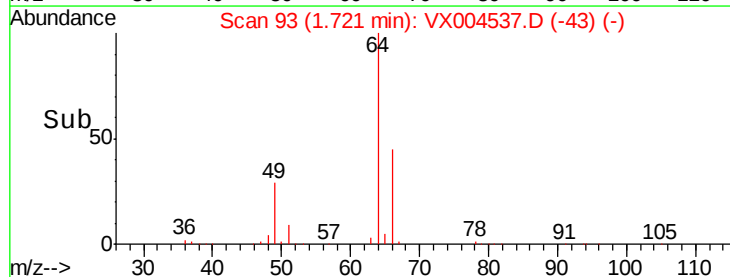
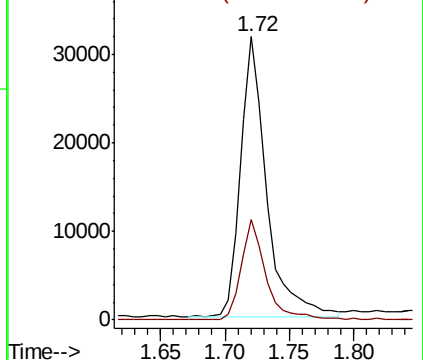
64 100

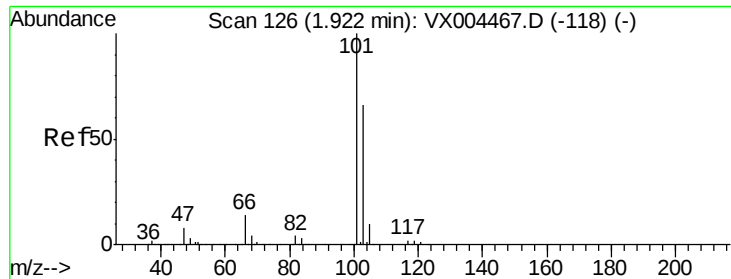
66 35.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

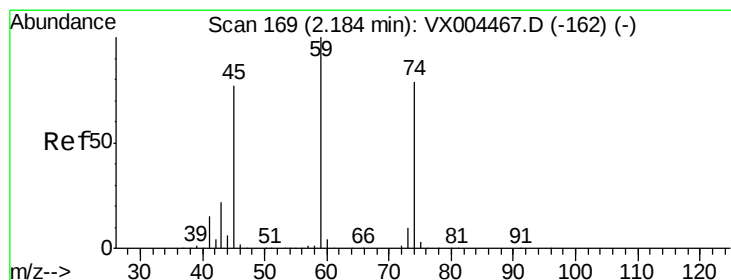
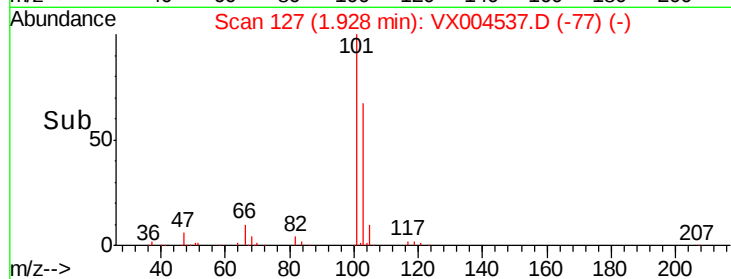
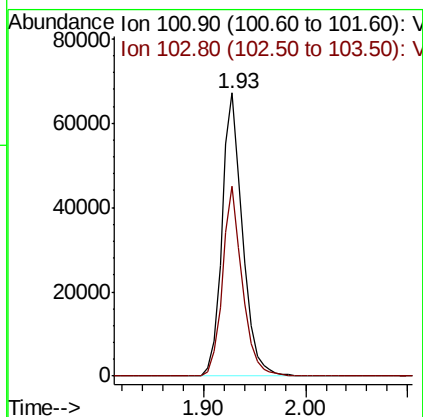
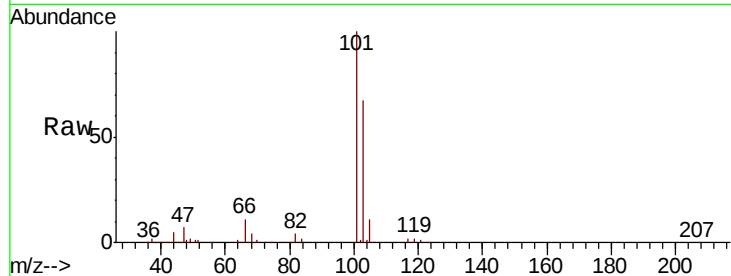
Trichlorofluoromethane
 Concen: 19.17 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
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 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	48.9	73.3

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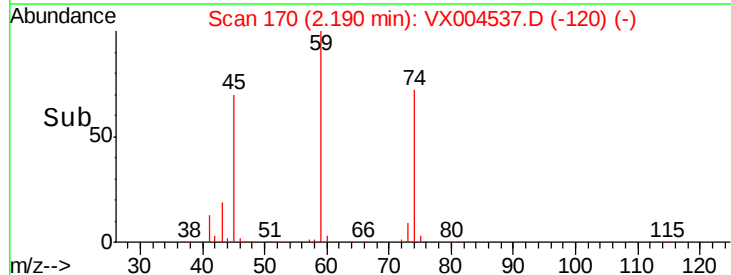
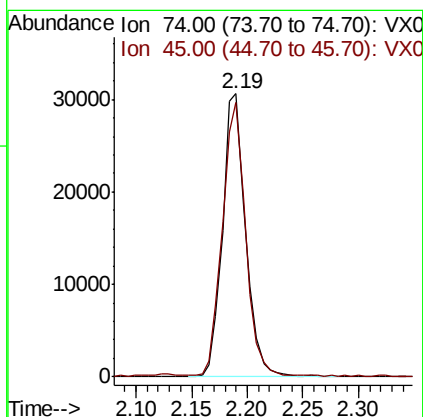
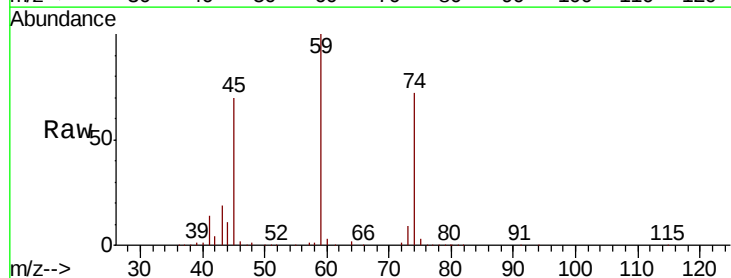
apatel
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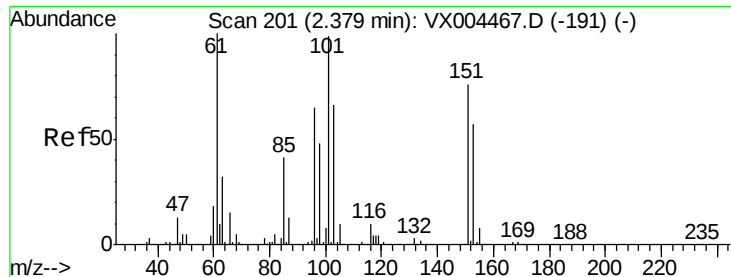


#8

Diethyl Ether
 Concen: 20.13 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.30 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

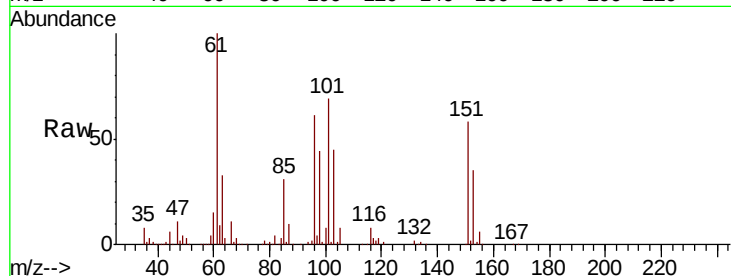
ClientSampleId :

VX0914MBS01

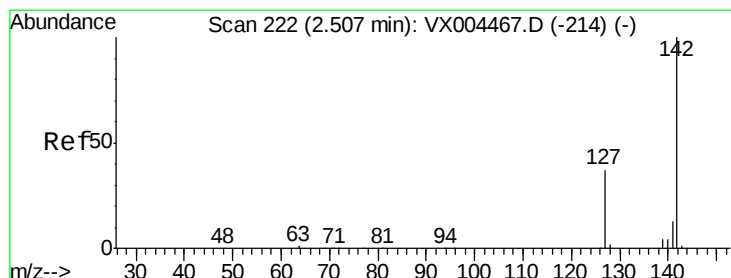
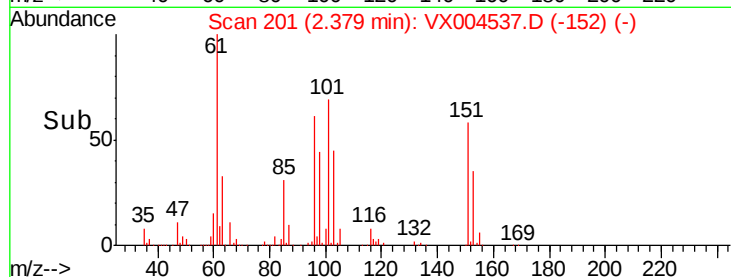
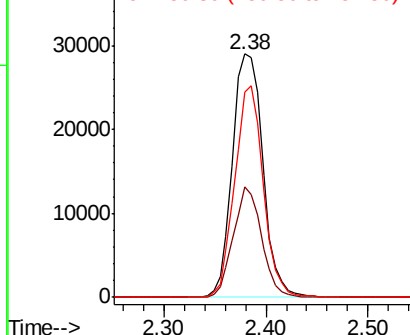
Tot Ion:	101	Resp:	59900
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.4
151	81.2	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.54 ug/l

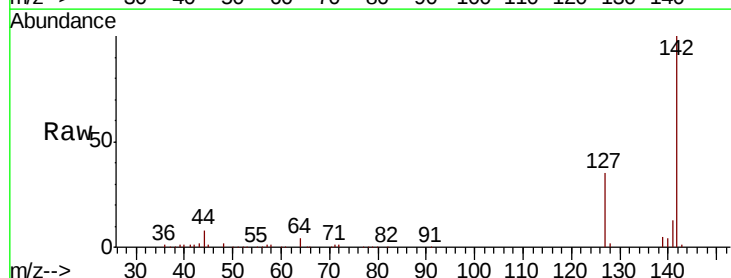
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

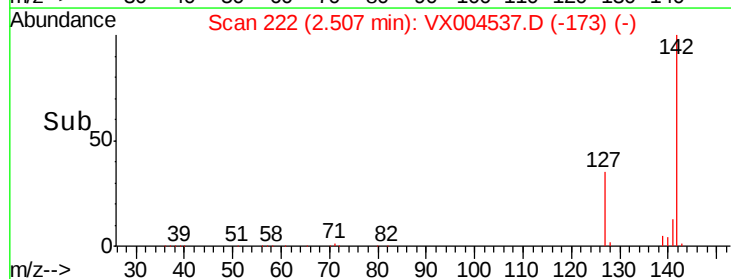
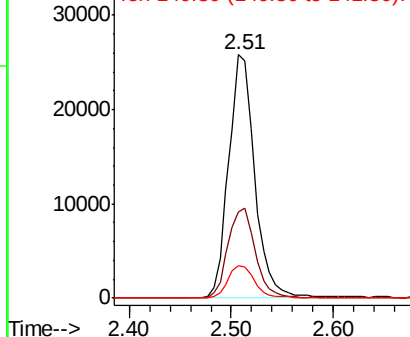
Lab File: VX004537.D

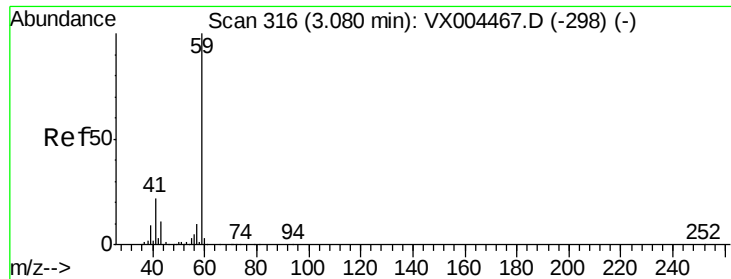
Acq: 14 Sep 2018 14:00

Tgt Ion:	142	Resp:	45747
Ion Ratio	Lower	Upper	
142	100		
127	38.4	33.8	50.6
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





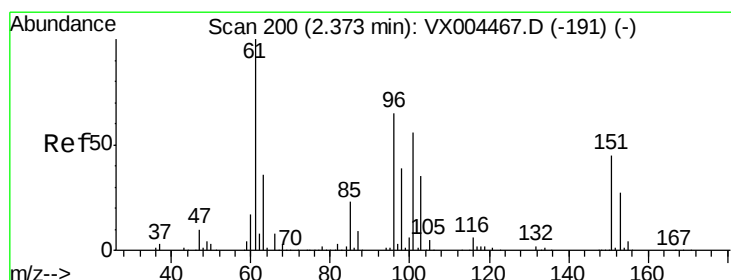
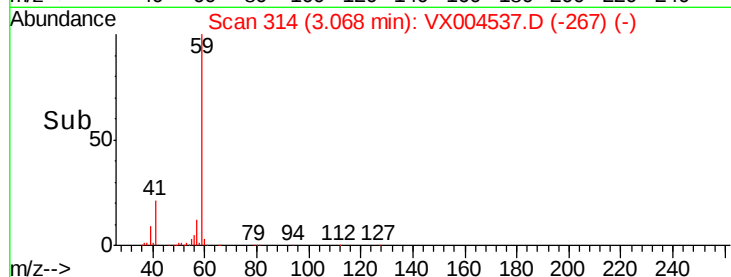
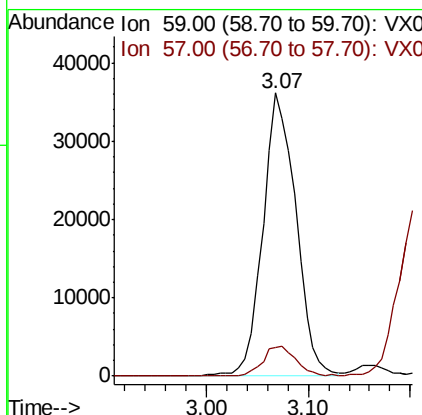
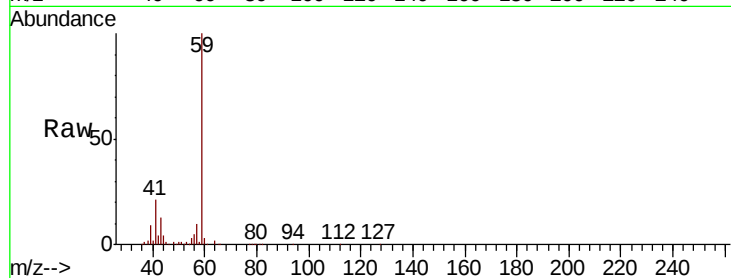
#11
Tert butyl alcohol
Concen: 94.90 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion: 59 Resp: 81404
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4

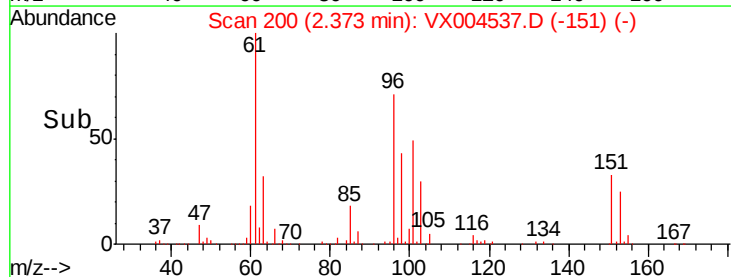
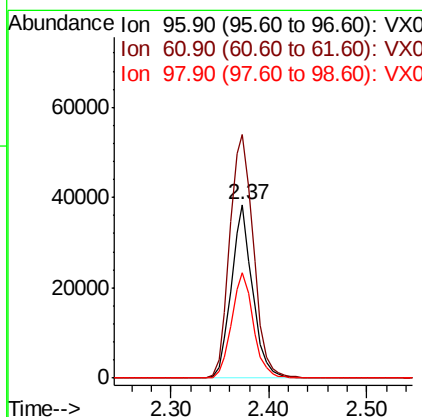
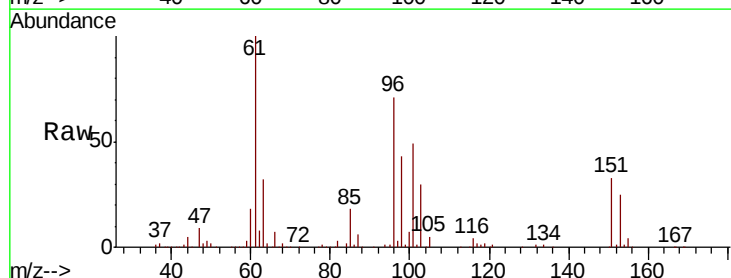
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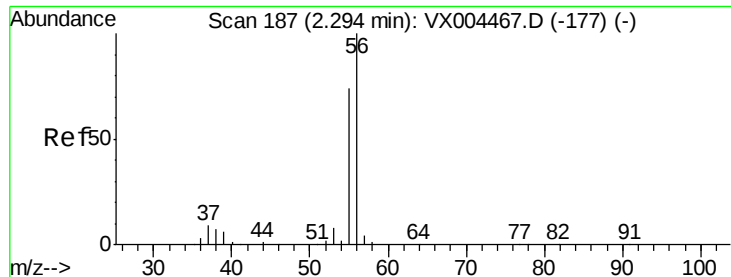
apatel
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#12
1,1-Dichloroethene
Concen: 19.84 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 96 Resp: 57794
Ion Ratio Lower Upper
96 100
61 140.5 128.8 193.2
98 60.7 52.2 78.2





#13

Acrolein

Concen: 127.58 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 56 Resp: 43198

Ion Ratio Lower Upper

56 100

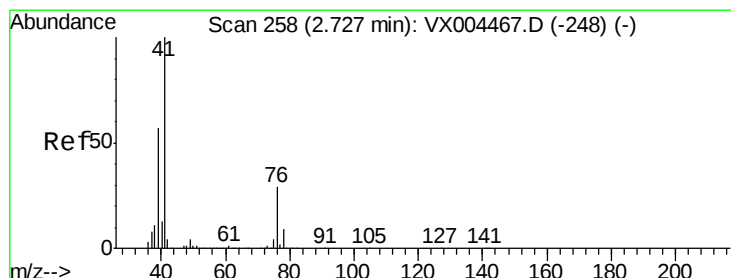
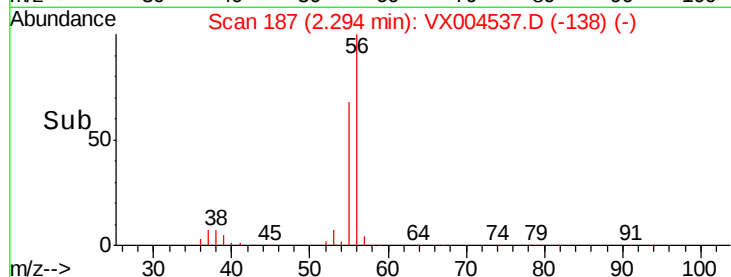
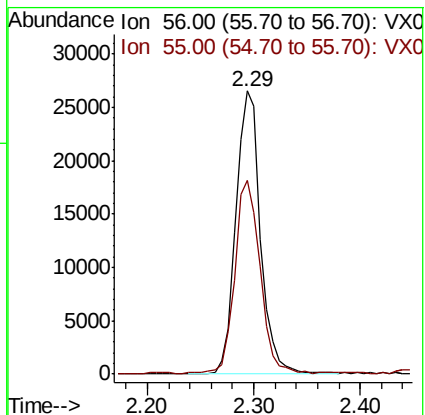
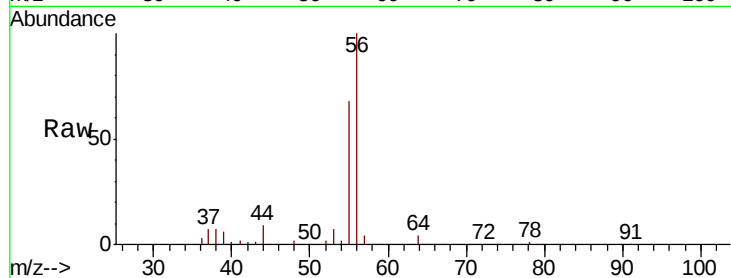
55 69.2 54.7 82.1

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#14

Allyl chloride

Concen: 18.75 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

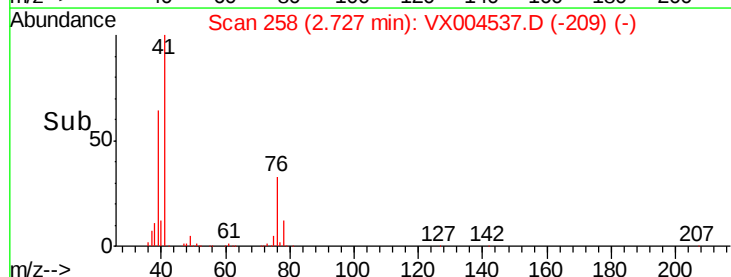
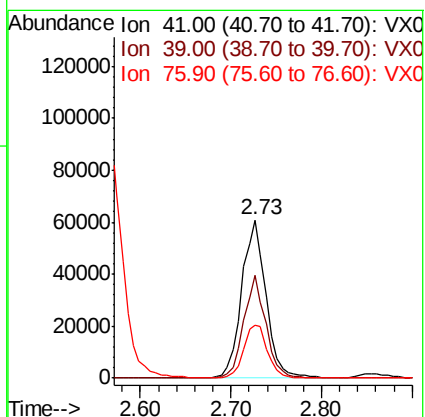
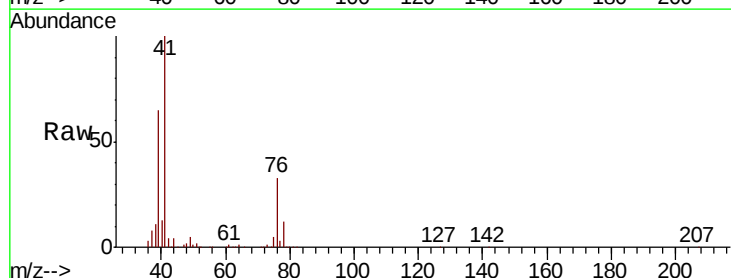
Tgt Ion: 41 Resp: 112304

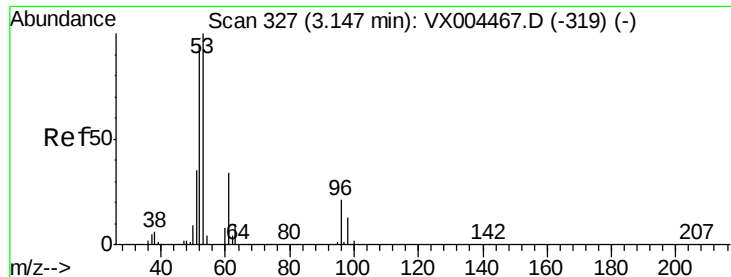
Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

76 33.2 26.7 40.1





#15

Acrylonitrile

Concen: 93.15 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

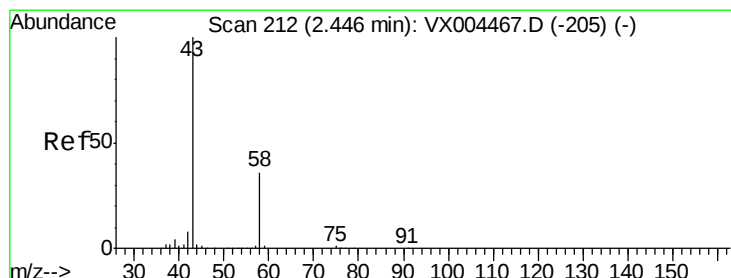
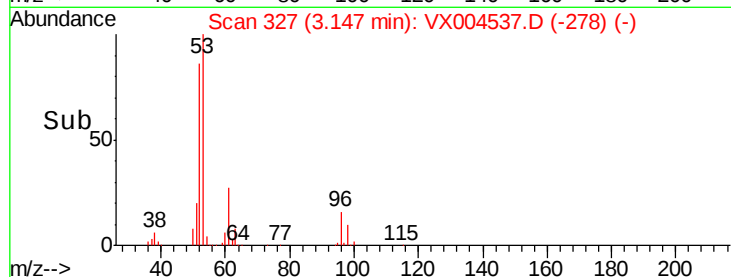
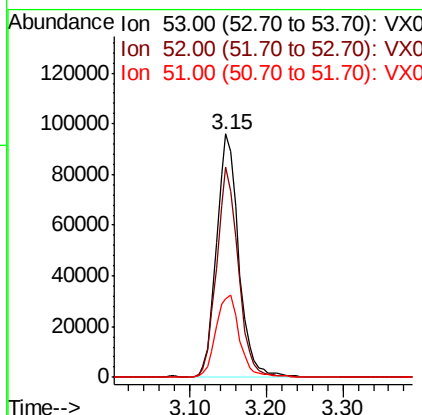
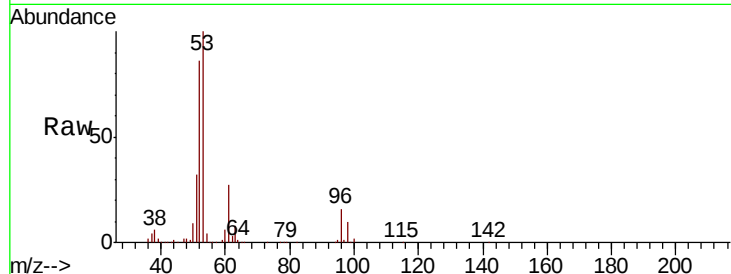
ClientSampleId :

VX0914MBS01

Tot Ion:	53	Resp:	192410
Ion Ratio	Lower	Upper	
53	100		
52	84.1	65.2	97.8
51	35.7	28.2	42.2

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#16

Acetone

Concen: 89.88 ug/l

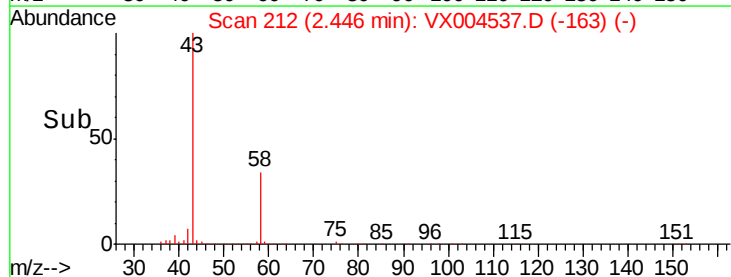
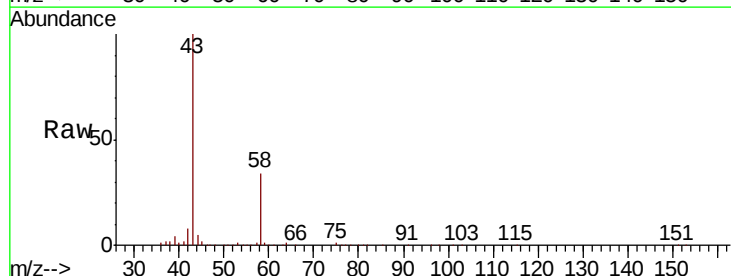
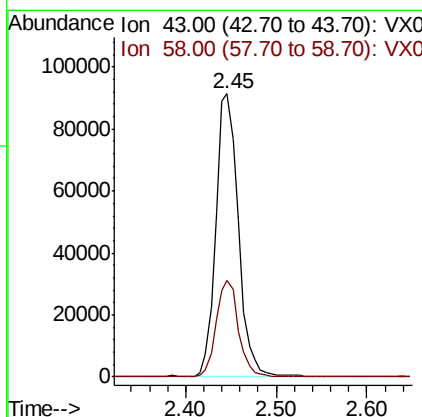
RT: 2.45 min Scan# 212

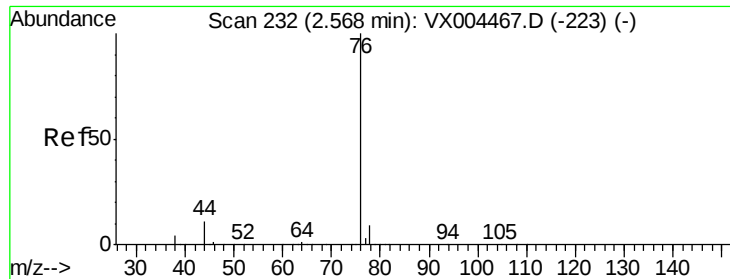
Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion:	43	Resp:	157698
Ion Ratio	Lower	Upper	
43	100		
58	34.0	26.2	39.4





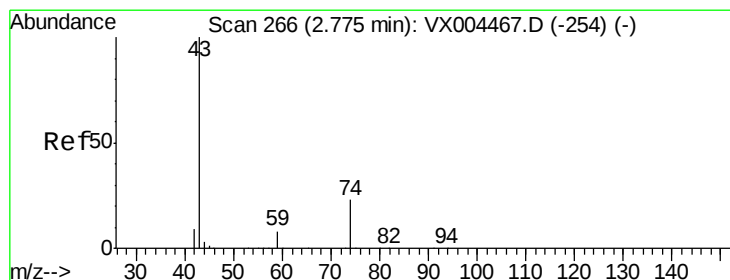
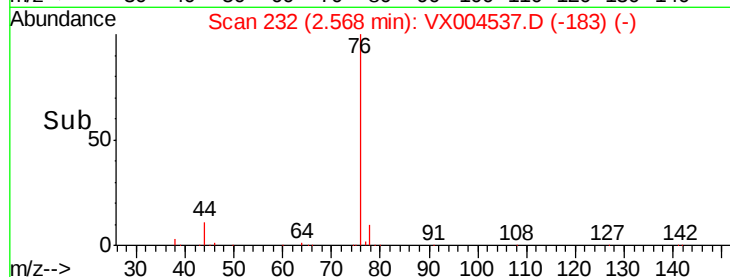
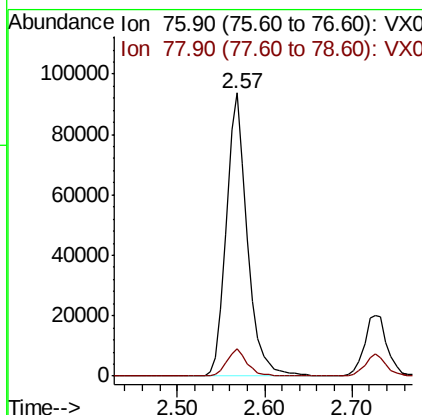
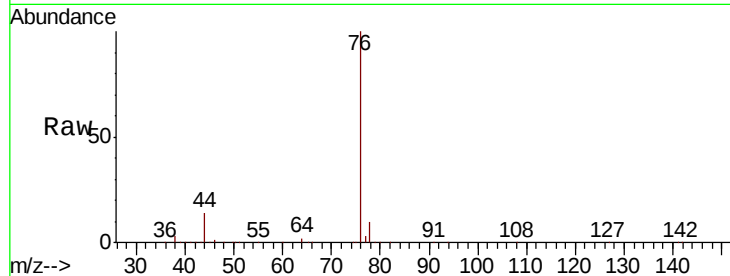
#17
Carbon Disulfide
Concen: 18.50 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

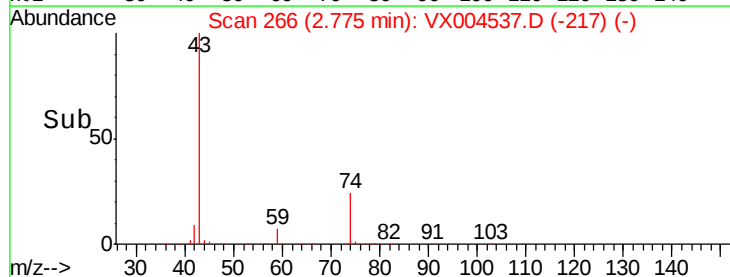
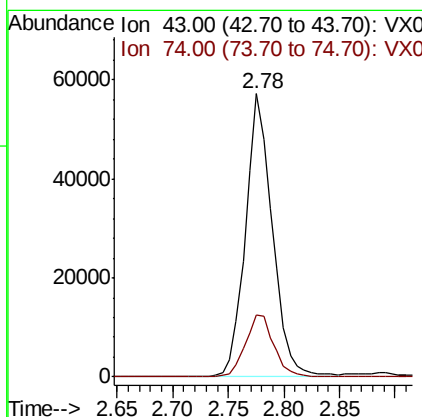
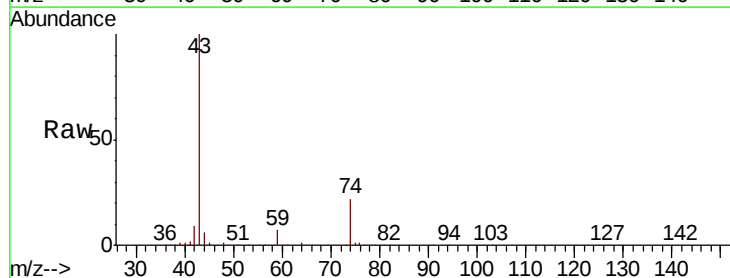
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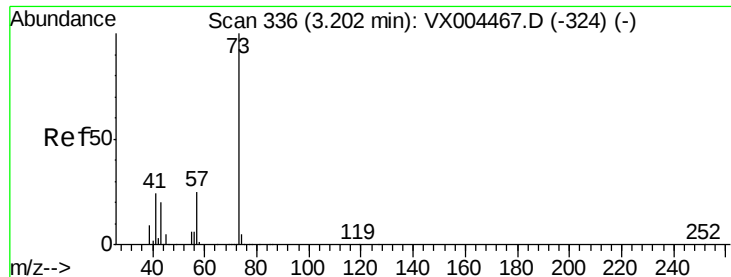
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#18
Methyl Acetate
Concen: 19.36 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





#19

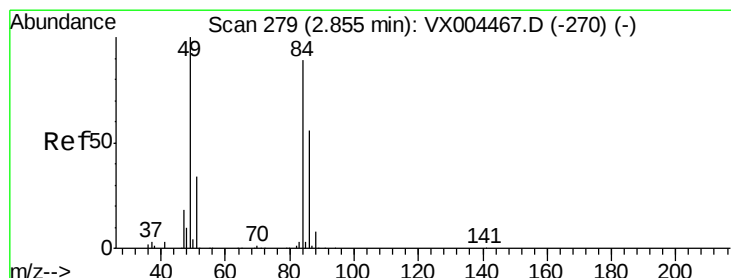
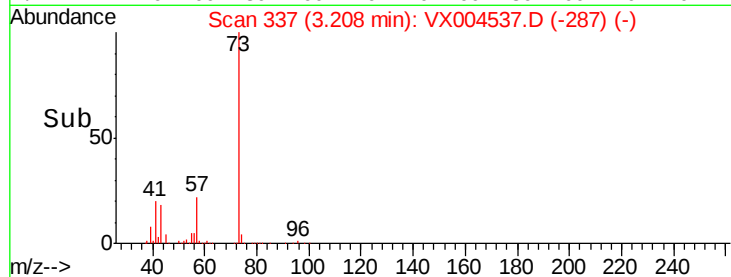
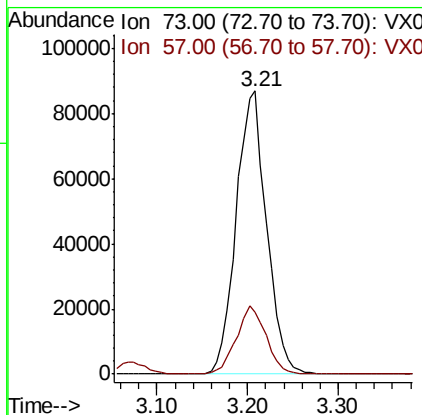
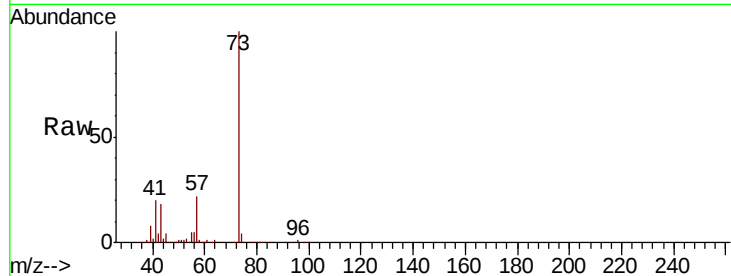
Methyl tert-butyl Ether
 Concen: 19.73 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7

Manual Integrations
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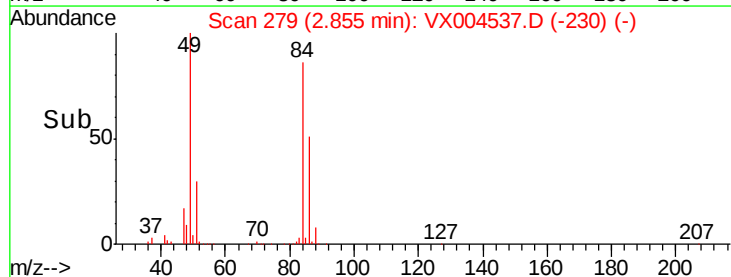
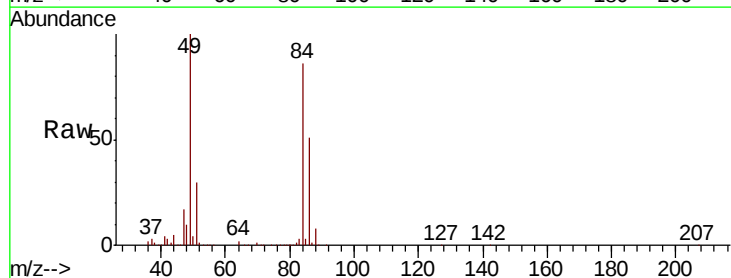
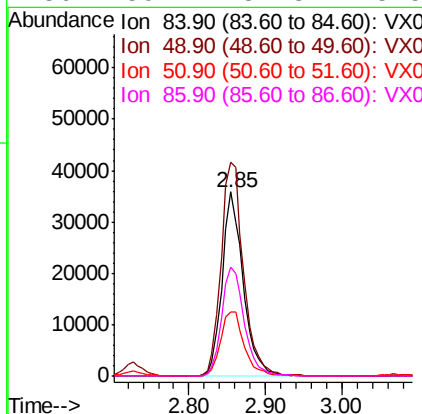
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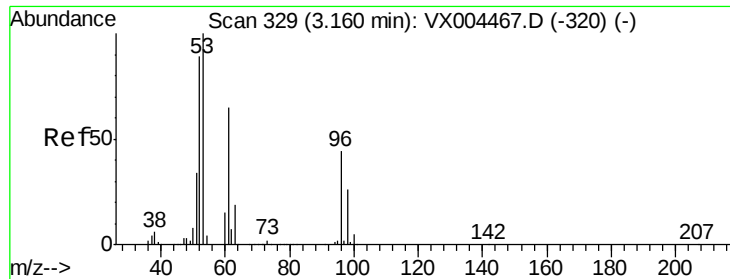


#20

Methylene Chloride
 Concen: 19.05 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	101.2	151.8
51	34.8	29.5	44.3
86	59.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 96 Resp: 62058

Ion Ratio Lower Upper

96 100

61 143.8 113.8 170.6

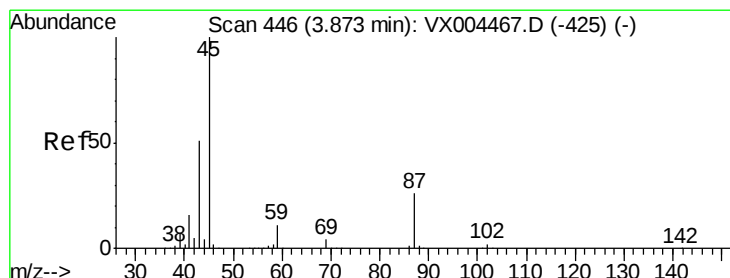
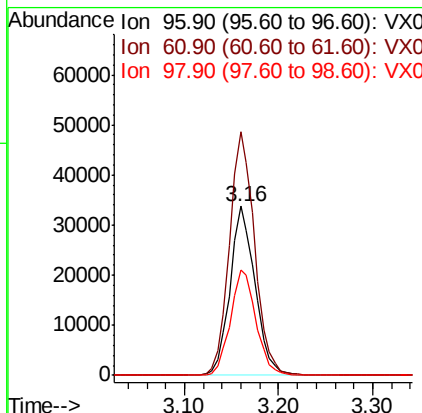
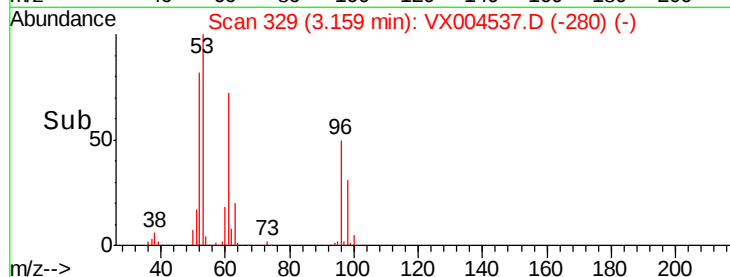
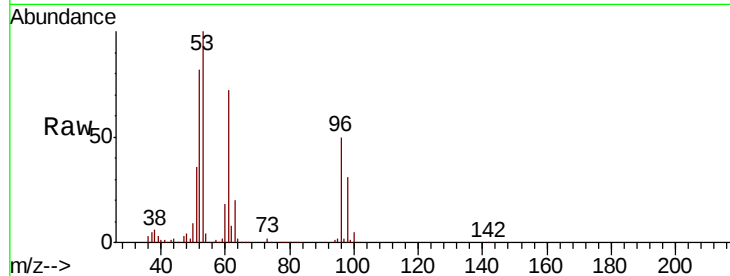
98 62.5 51.8 77.8

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#22

Diisopropyl ether

Concen: 19.76 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion: 45 Resp: 213167

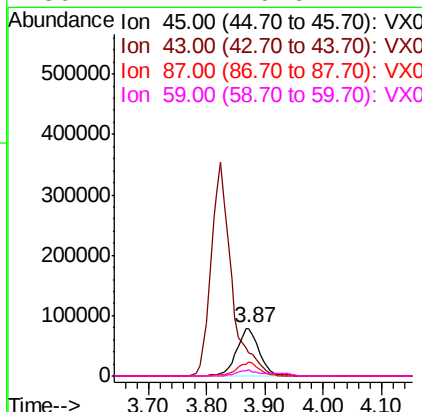
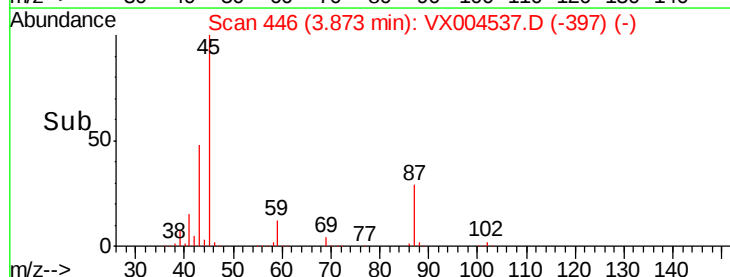
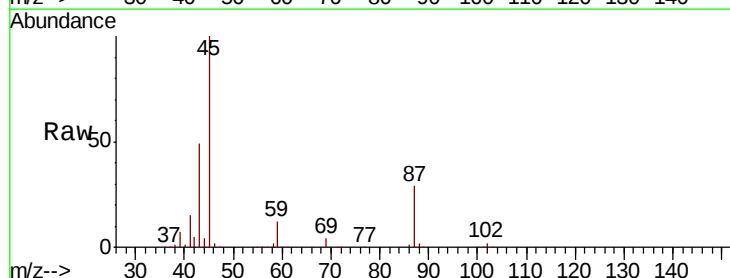
Ion Ratio Lower Upper

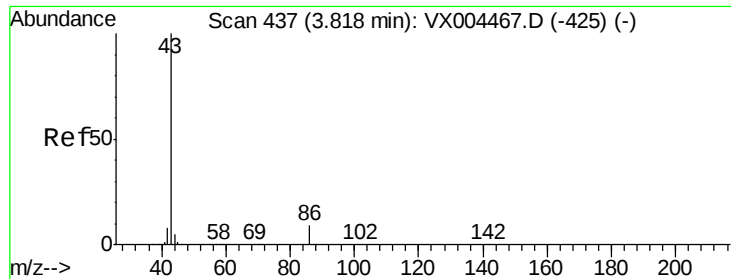
45 100

43 48.2 42.8 64.2

87 28.7 22.6 34.0

59 12.2 9.6 14.4





#23

Vinyl Acetate

Concen: 98.52 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 43 Resp: 860006

Ion Ratio Lower Upper

43 100

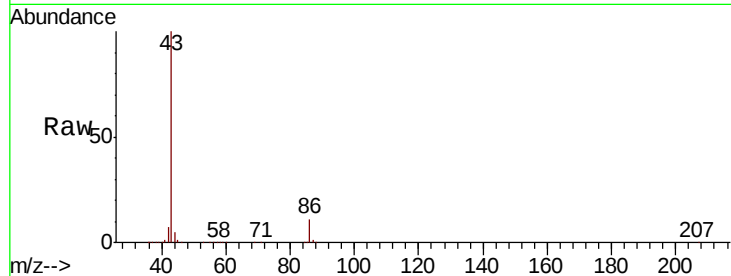
86 10.6 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

200000

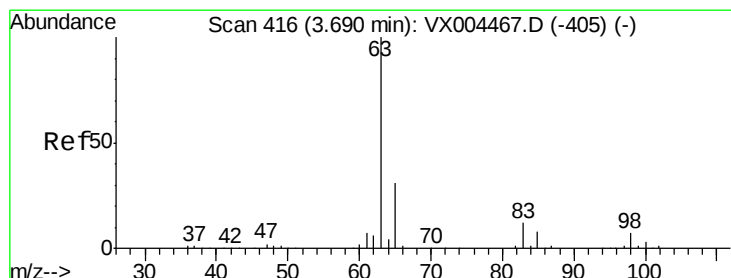
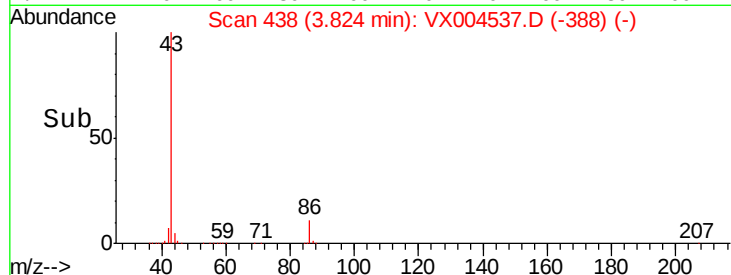
100000

0

Time-->

3.80

4.00



#24

1,1-Dichloroethane

Concen: 19.43 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

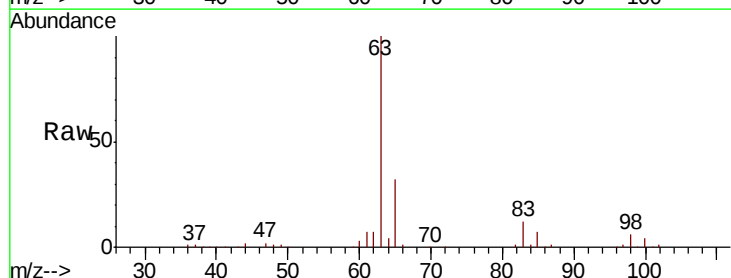
Tgt Ion: 63 Resp: 118300

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 3.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

50000

40000

30000

20000

10000

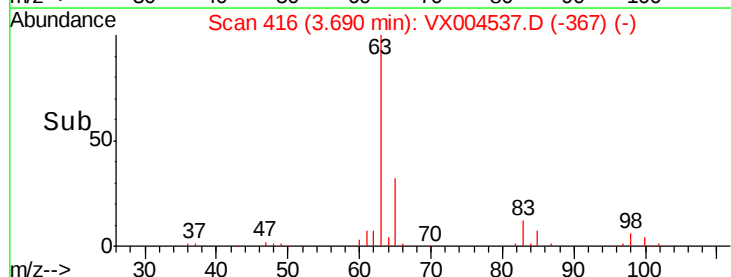
0

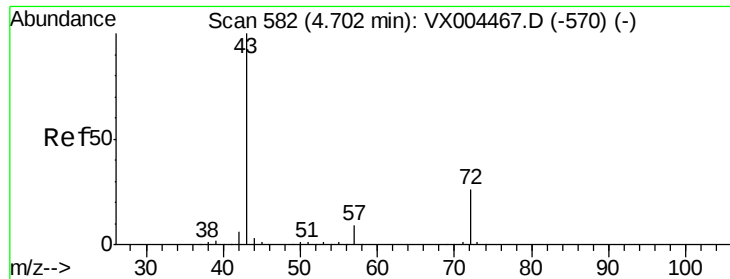
Time-->

3.60

3.70

3.80





#25

2-Butanone

Concen: 89.07 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 43 Resp: 248727

Ion Ratio Lower Upper

43 100

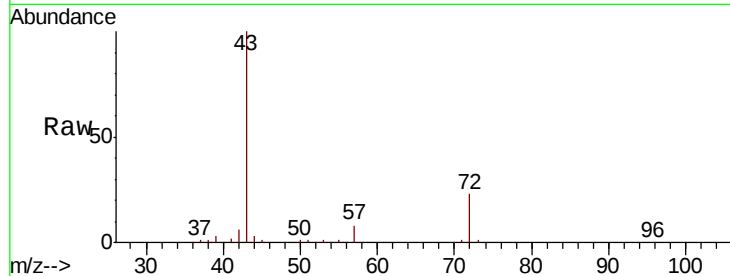
72 23.3 22.0 33.0

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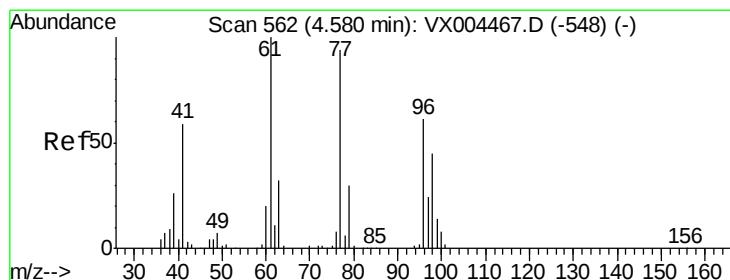
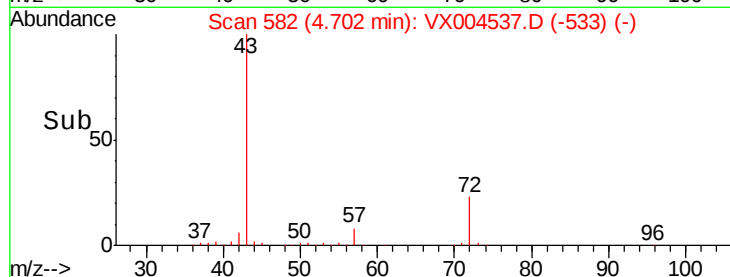
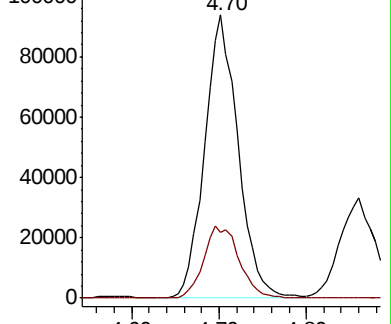
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.68 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004537.D

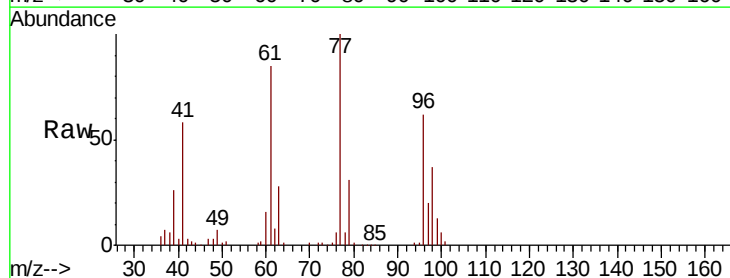
Acq: 14 Sep 2018 14:00

Tgt Ion: 77 Resp: 86495

Ion Ratio Lower Upper

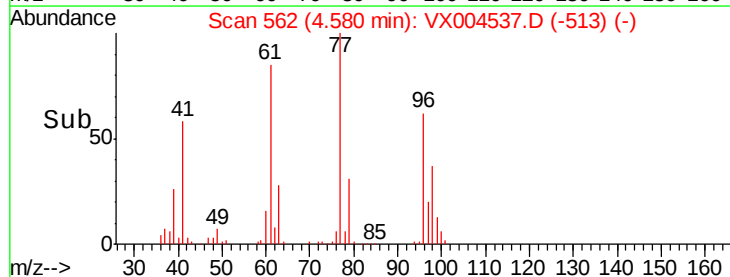
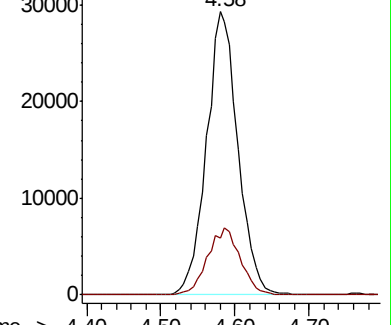
77 100

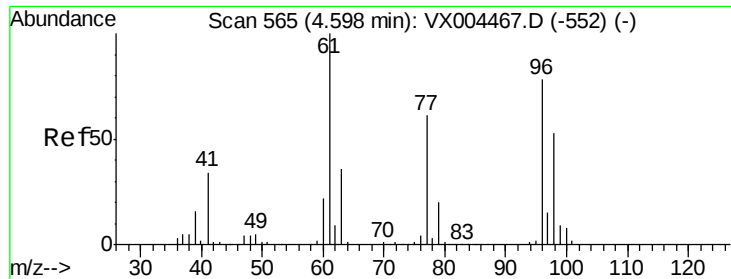
97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

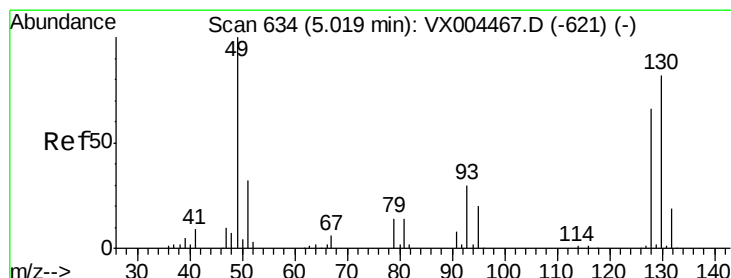
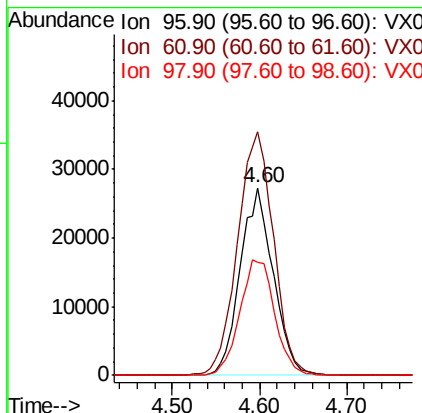
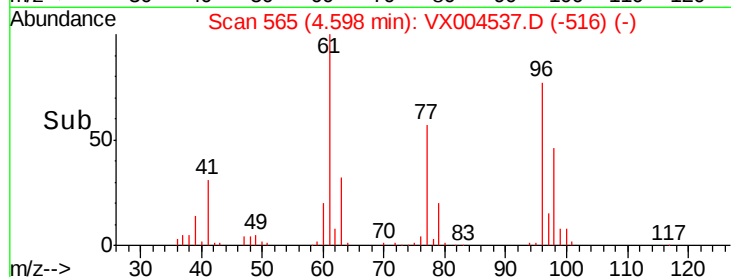
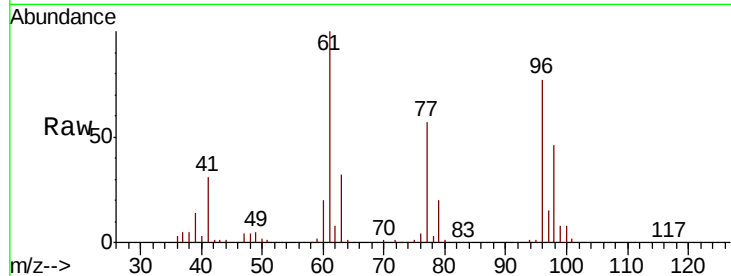
cis-1,2-Dichloroethene
Concen: 20.06 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	282.6
98	64.8	0.0	130.2

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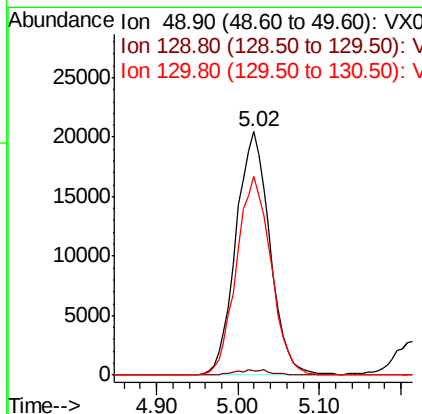
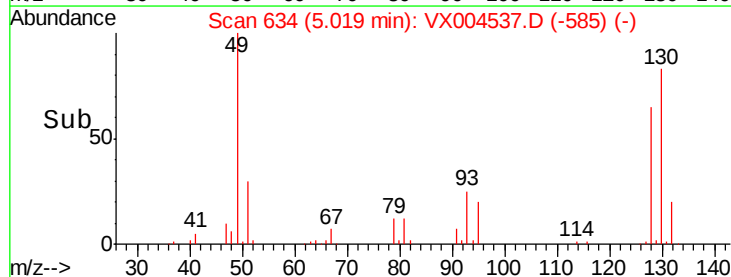
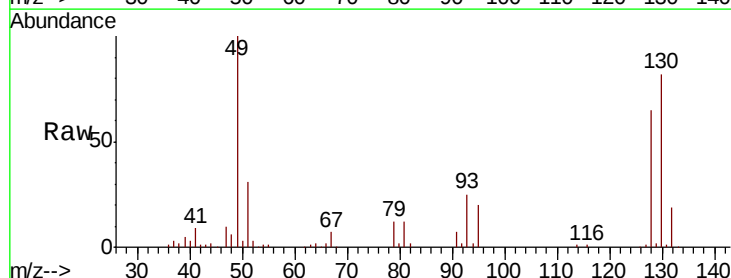
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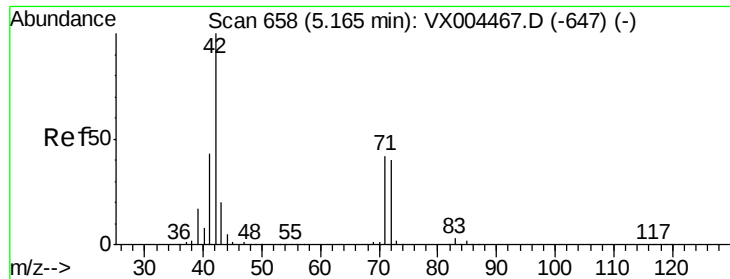


#28

Bromochloromethane
Concen: 21.22 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.9	67.5	101.3





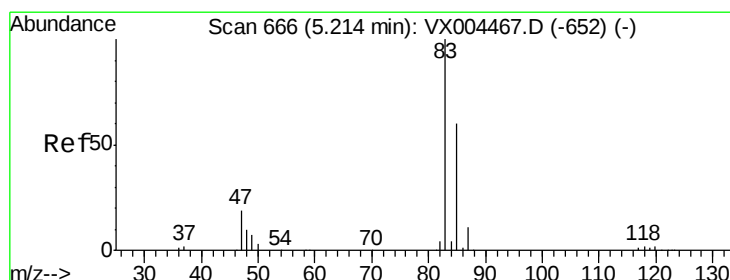
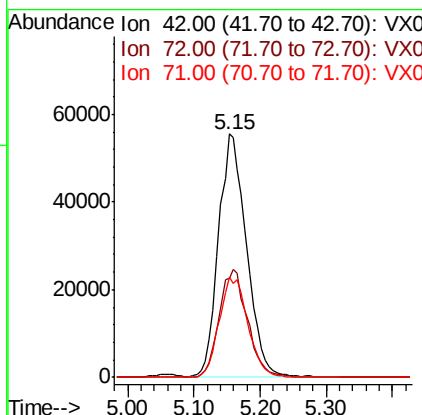
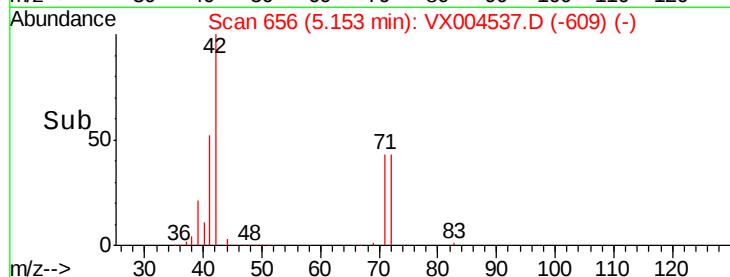
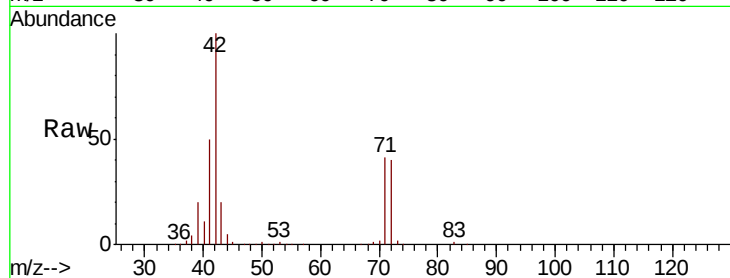
#29
Tetrahydrofuran
Concen: 96.51 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion:	42	Resp:	162518
Ion Ratio		Lower	Upper
42	100		
72	44.6	37.4	56.0
71	42.3	34.5	51.7

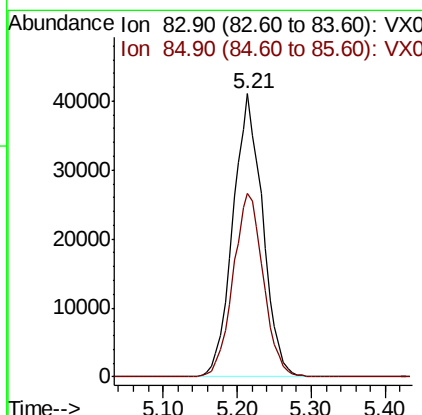
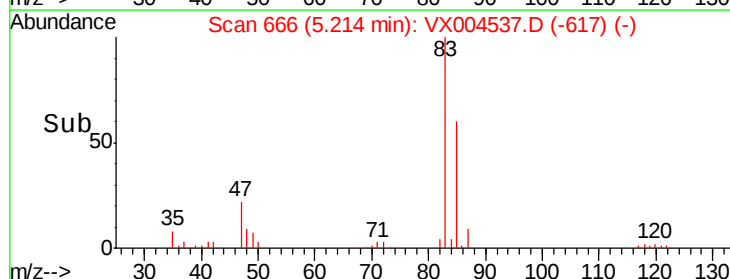
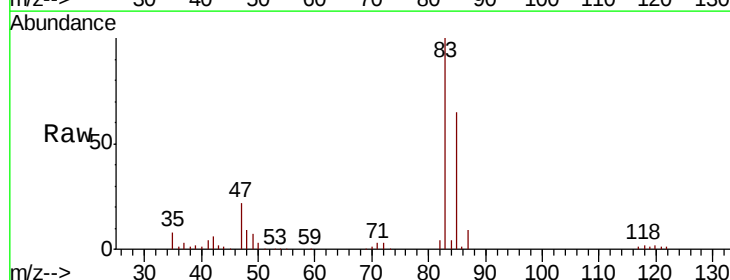
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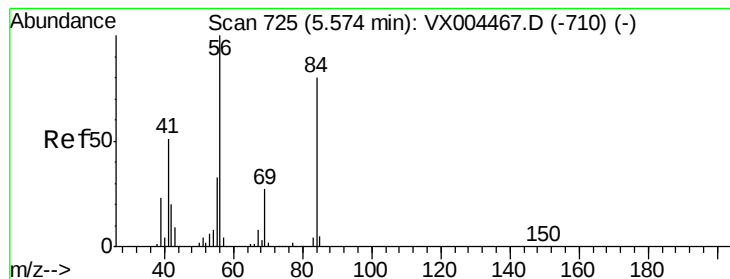
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#30
Chloroform
Concen: 19.31 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:	83	Resp:	114789
Ion Ratio		Lower	Upper
83	100		
85	65.0	52.6	79.0





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 56 Resp: 103335

Ion Ratio Lower Upper

56 100

69 28.8 25.4 38.2

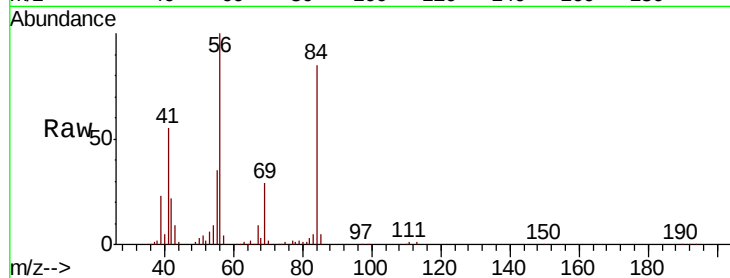
84 83.7 71.4 107.2

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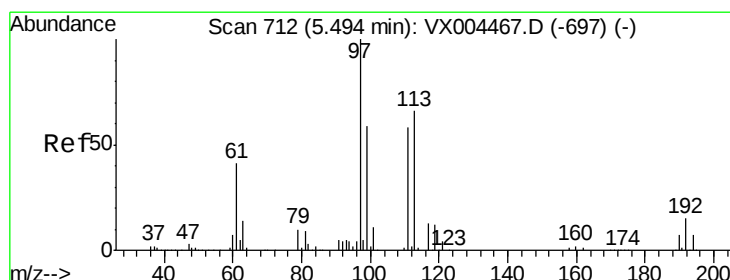
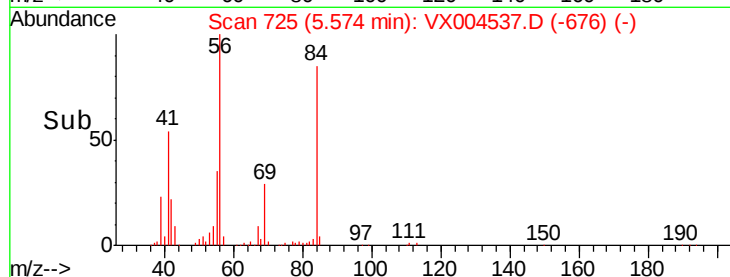
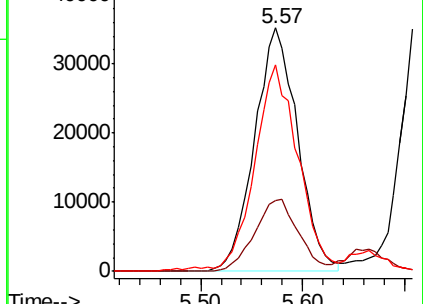
9/18/2018 11:30:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.04 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

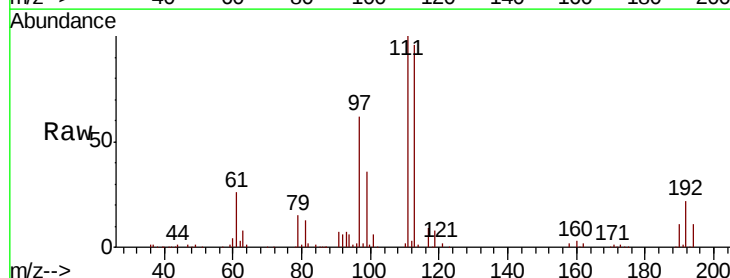
Tgt Ion: 97 Resp: 95960

Ion Ratio Lower Upper

97 100

99 62.8 52.0 78.0

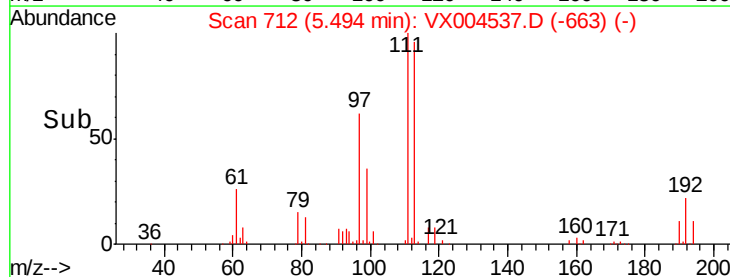
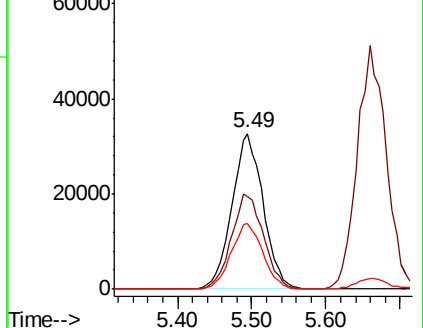
61 43.2 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





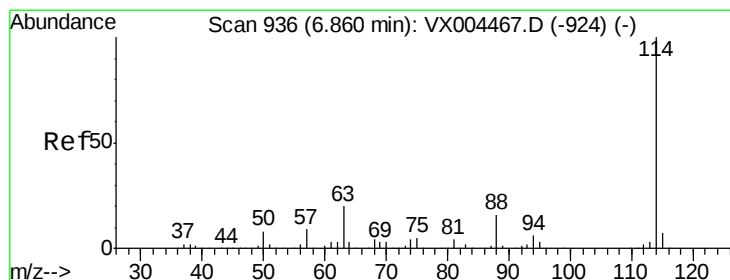
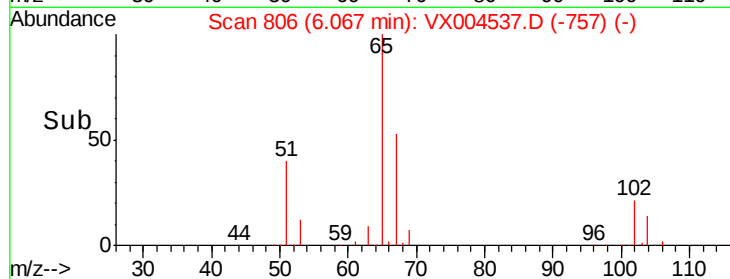
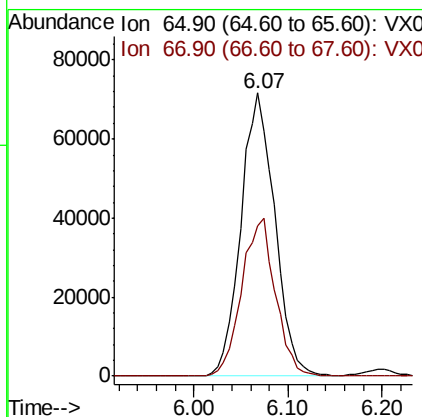
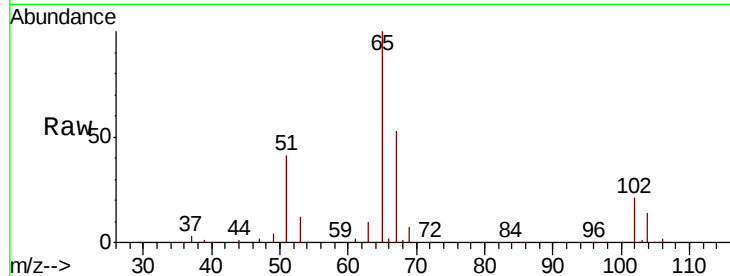
#33
 1,2-Dichloroethane-d4
 Concen: 50.20 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180458		
67	55.4	0.0	106.8	

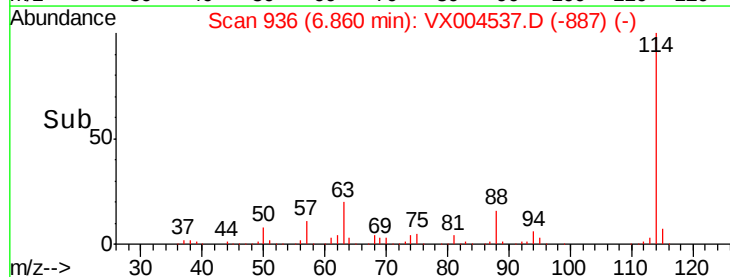
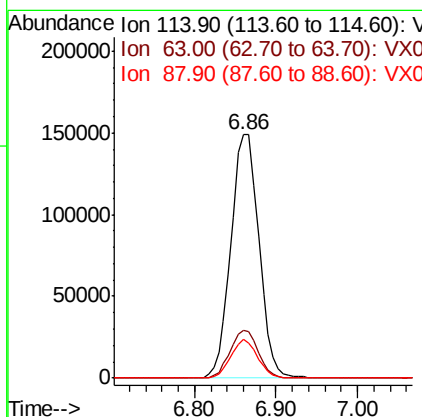
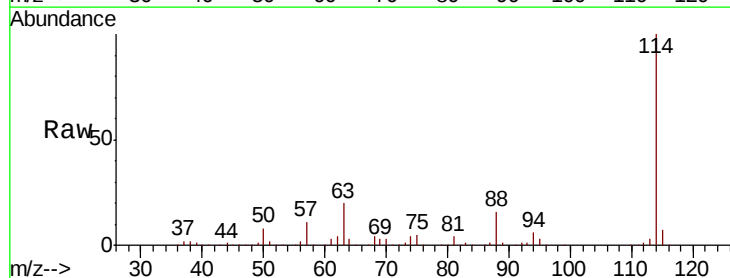
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354587		
63	19.8	0.0	39.0	
88	16.1	0.0	30.4	





#35

Dibromofluoromethane

Concen: 48.31 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

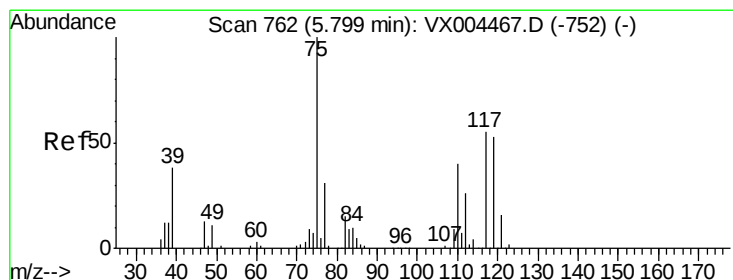
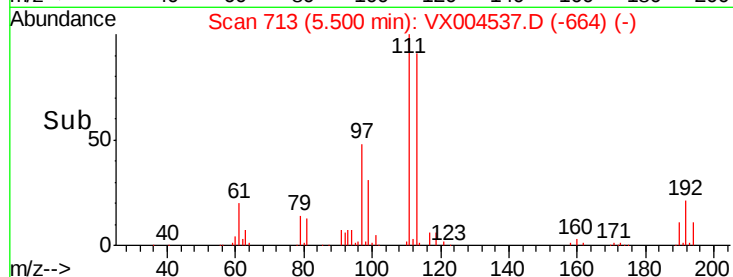
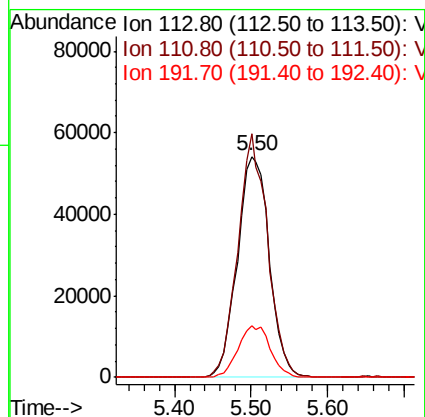
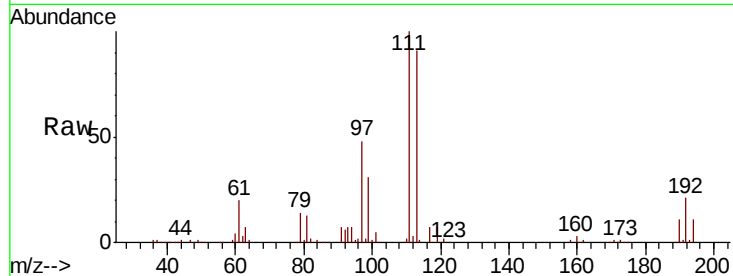
ClientSampleId :

VX0914MBS01

Tot Ion:	113	Resp:	156765
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.4	123.6
192	23.6	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 19.98 ug/l

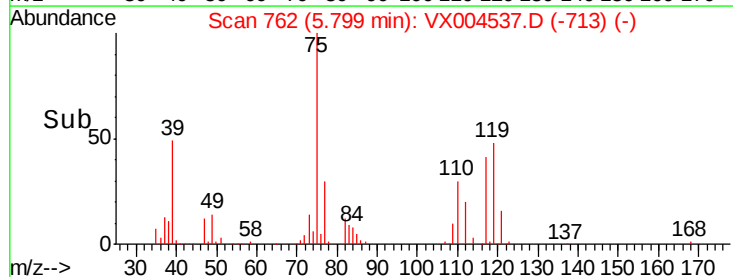
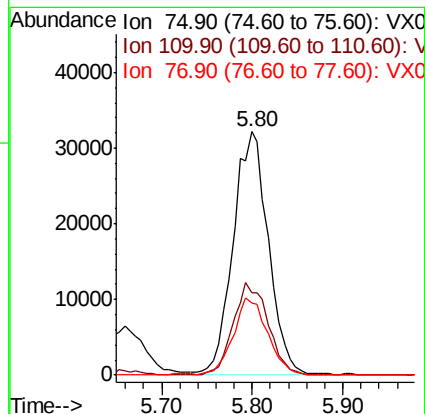
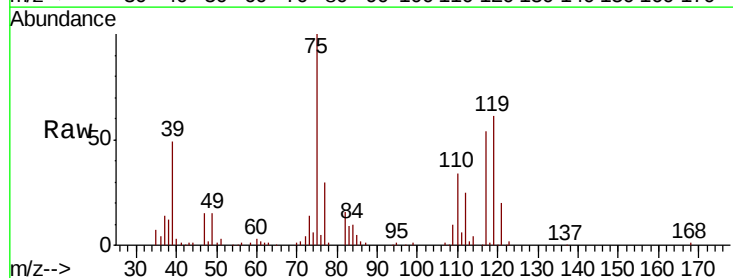
RT: 5.80 min Scan# 762

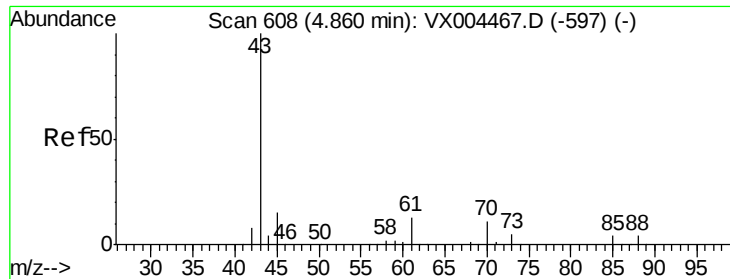
Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion:	75	Resp:	85992
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.0	54.0
77	31.2	24.6	36.8





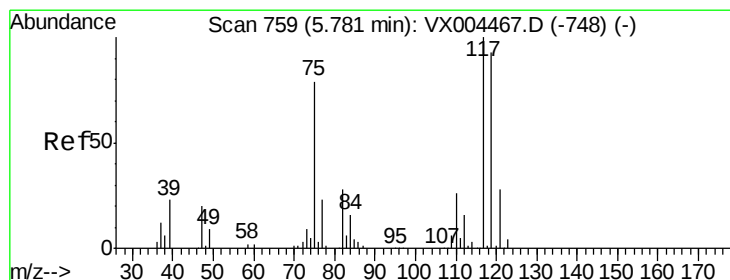
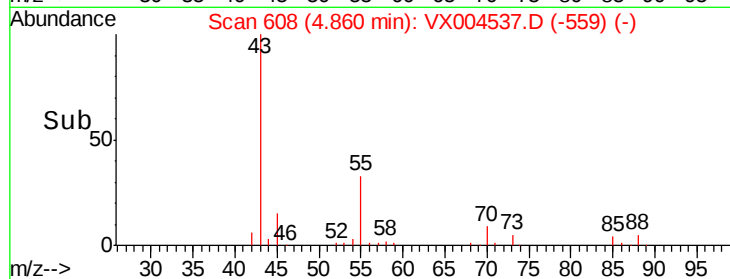
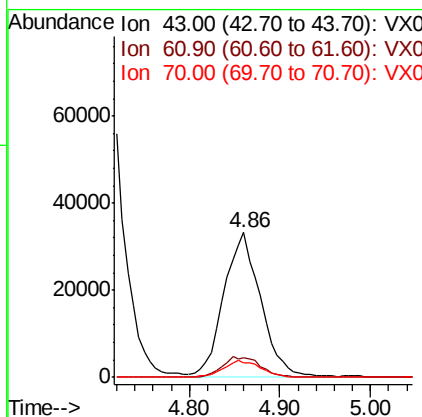
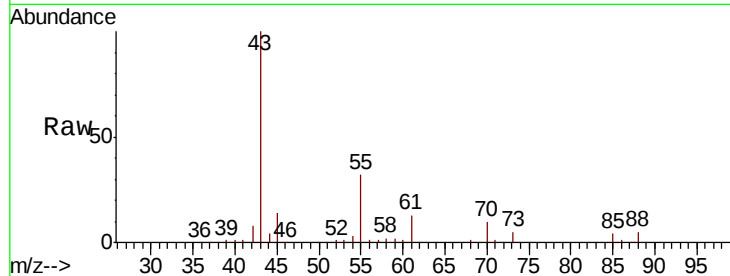
#37
Ethyl Acetate
Concen: 18.86 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.7	9.0	13.6

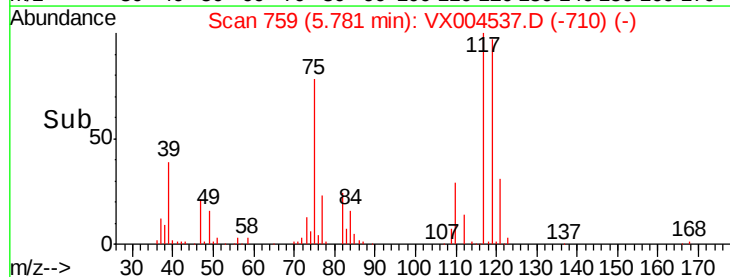
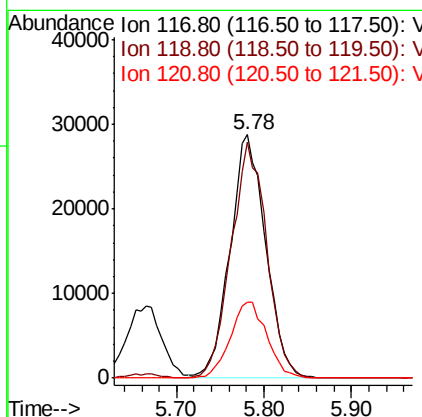
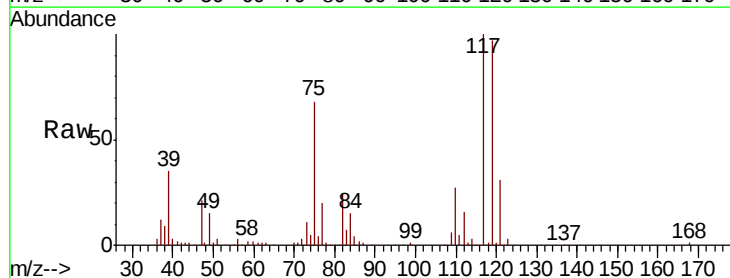
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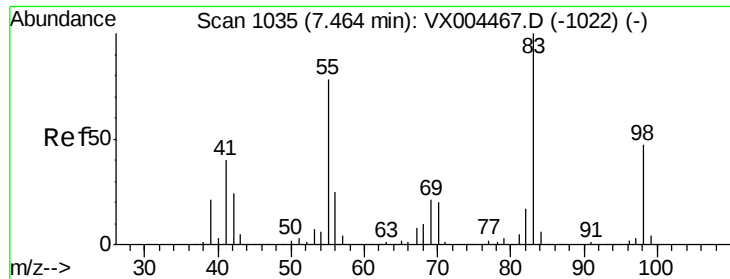
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#38
Carbon Tetrachloride
Concen: 19.33 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.8	118.2
121	31.0	24.9	37.3





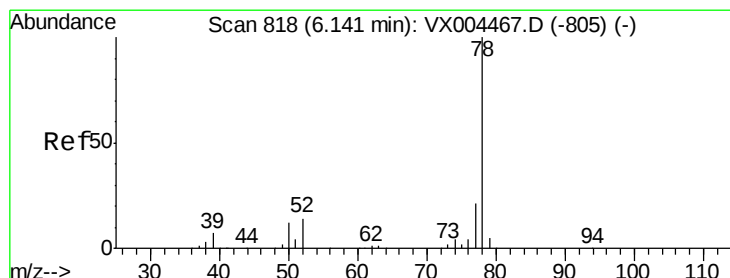
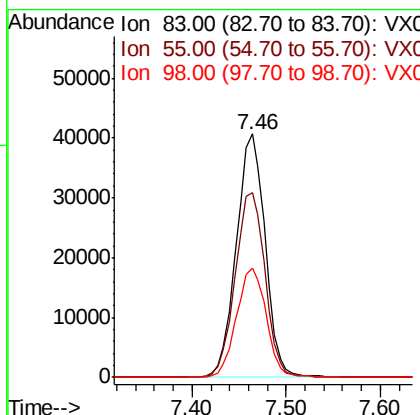
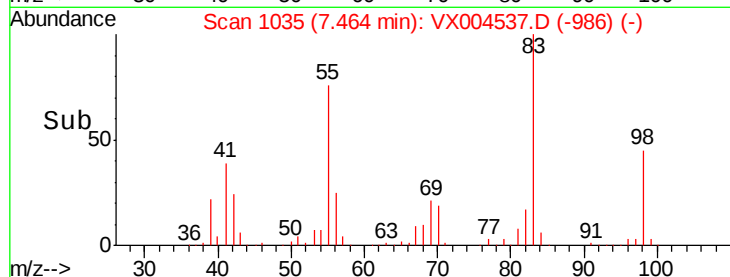
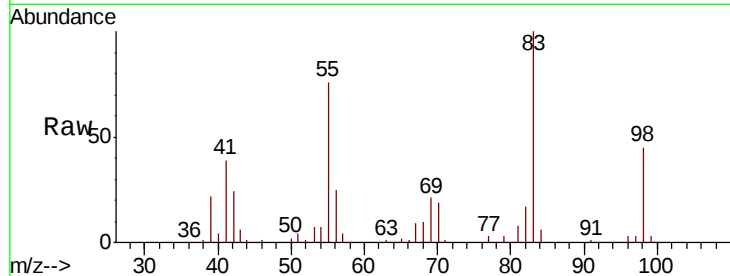
#39
Methylvlcyclohexane
Concen: 19.36 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.0	91.4
98	44.8	39.6	59.4

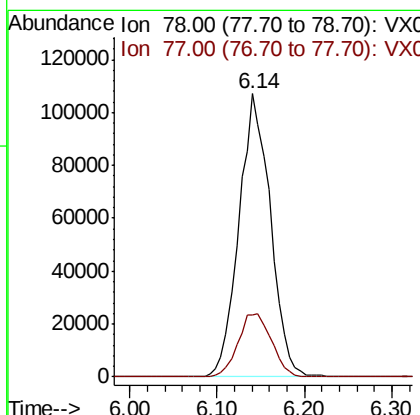
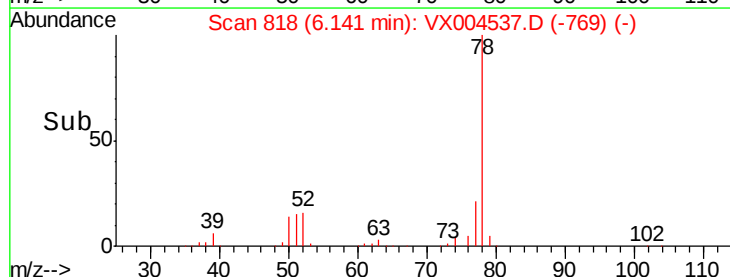
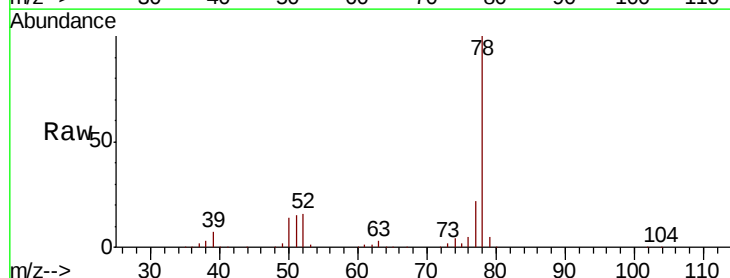
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#40
Benzene
Concen: 20.99 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





#41

Methacrylonitrile

Concen: 19.49 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

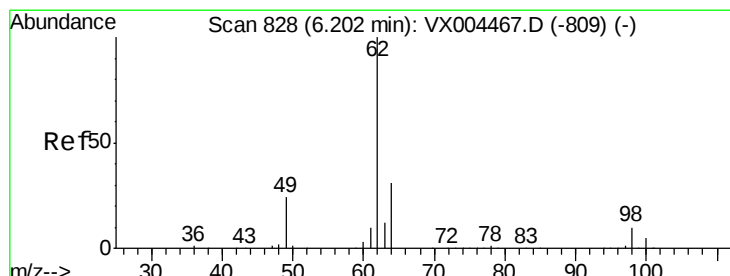
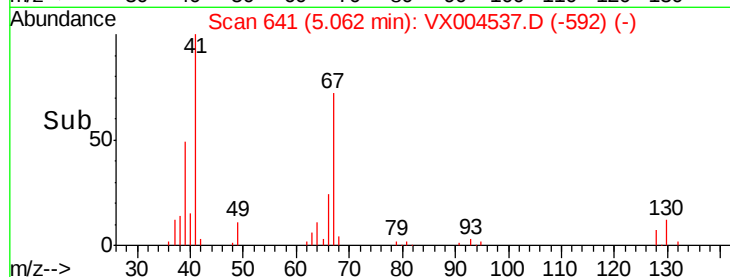
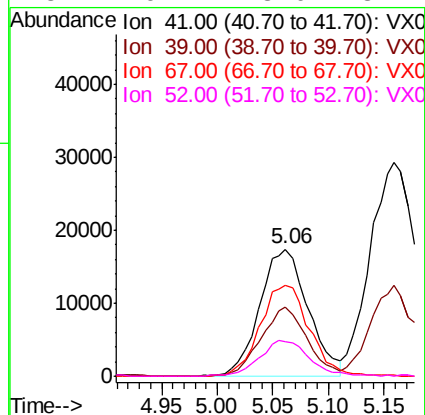
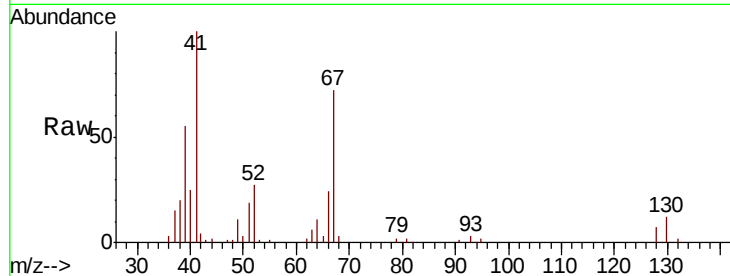
ClientSampleId :

VX0914MBS01

Tot Ion:	41	Resp:	52590
Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	73.5	59.2	88.8
52	29.2	23.0	34.4

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#42

1,2-Dichloroethane

Concen: 19.92 ug/l

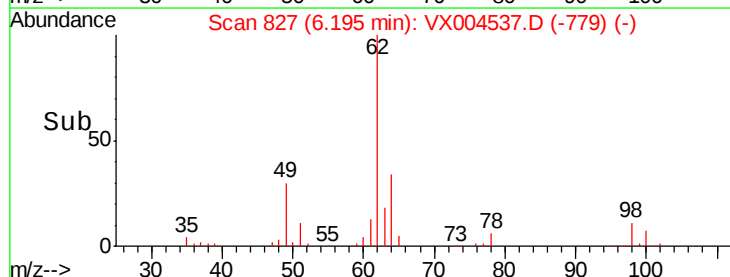
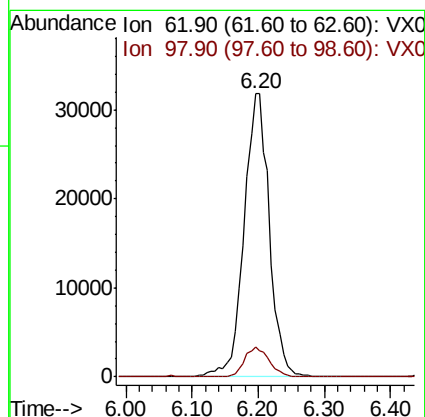
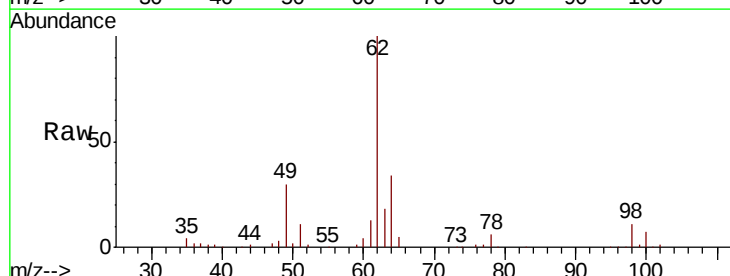
RT: 6.20 min Scan# 827

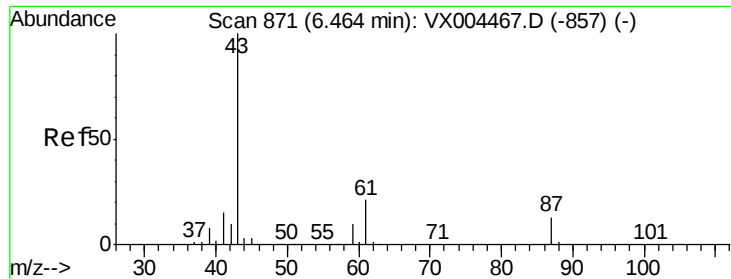
Delta R.T. -0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion:	62	Resp:	84367
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

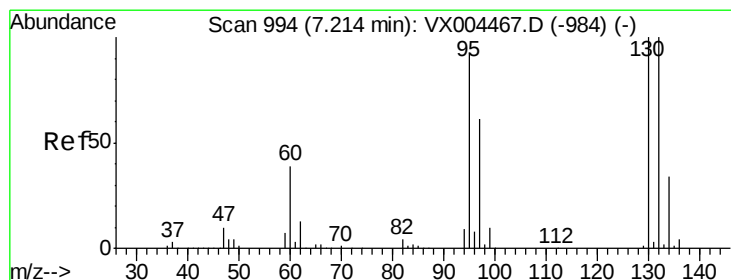
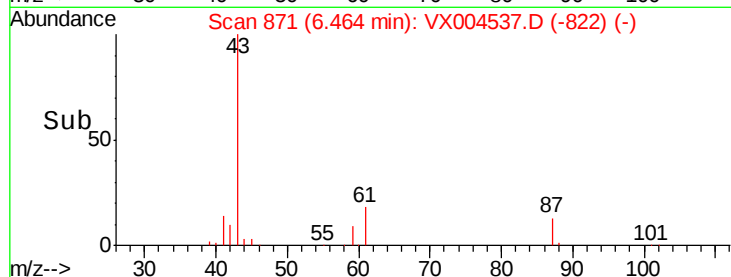
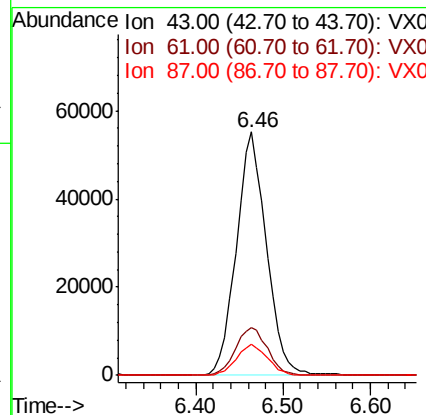
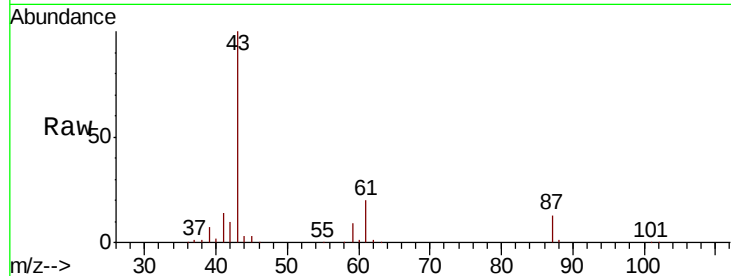
Isopropyl Acetate
 Concen: 20.17 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	13.2	11.4	17.2

Manual Integrations
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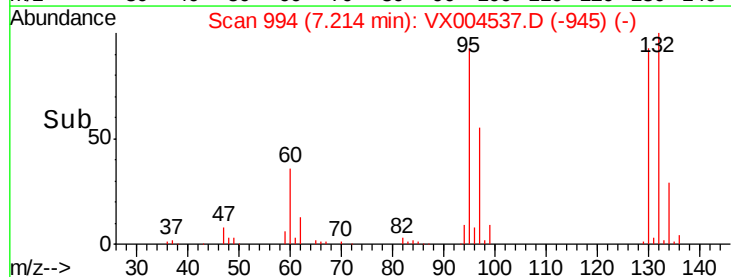
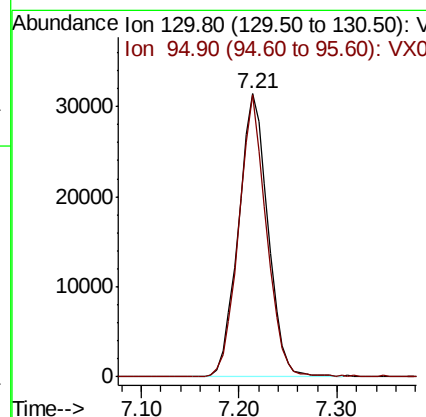
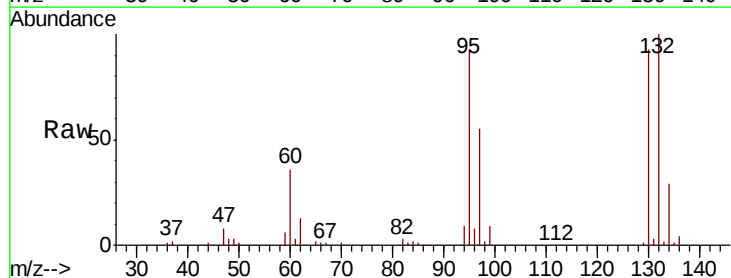
apatel
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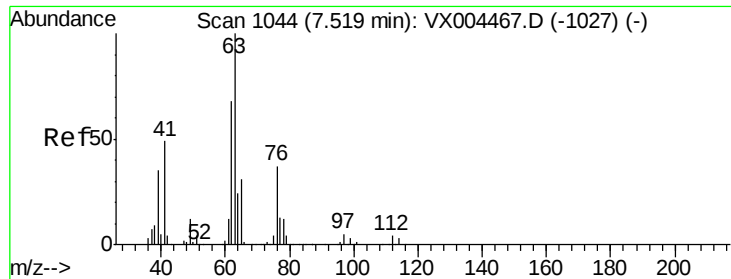


#44

Trichloroethene
 Concen: 19.79 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.74 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 63 Resp: 60683

Ion Ratio Lower Upper

63 100

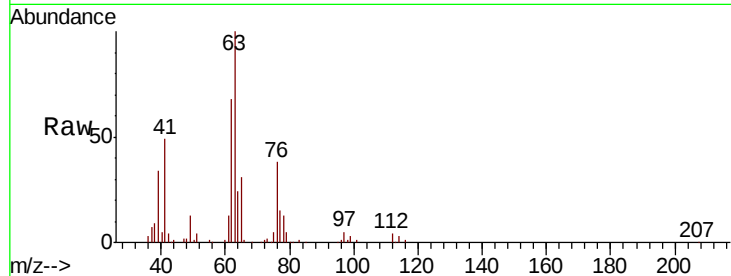
65 30.6 24.3 36.5

Manual Integrations

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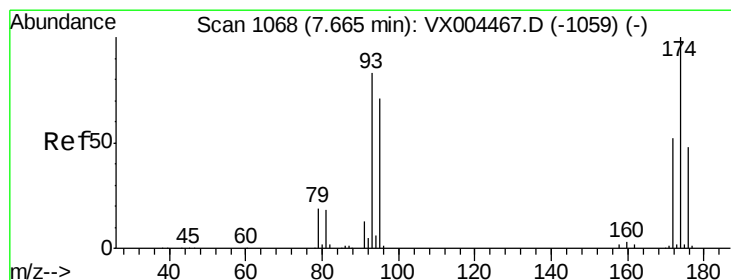
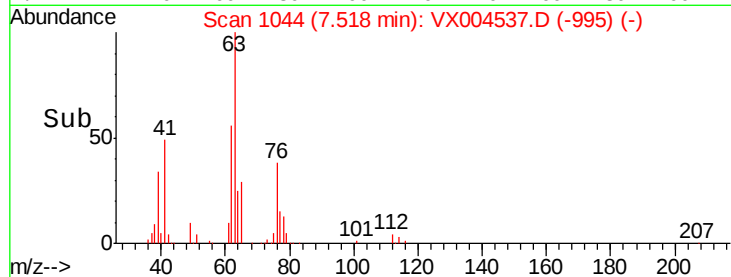
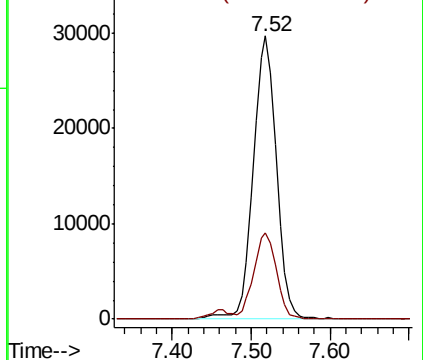
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.35 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

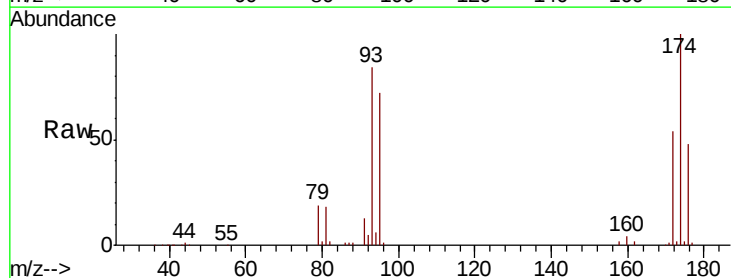
Tgt Ion: 93 Resp: 37574

Ion Ratio Lower Upper

93 100

95 85.3 65.5 98.3

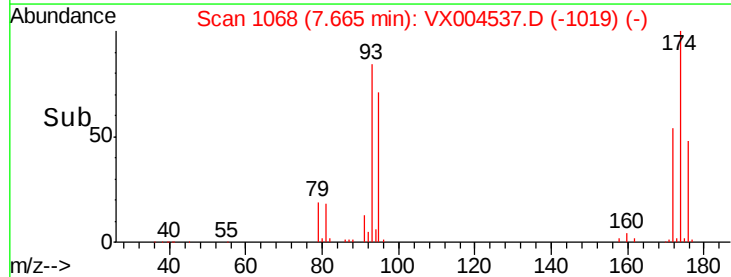
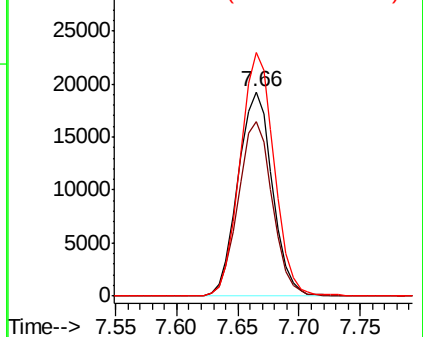
174 118.0 94.2 141.4

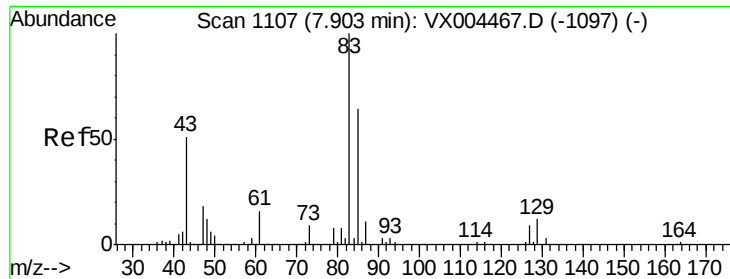


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

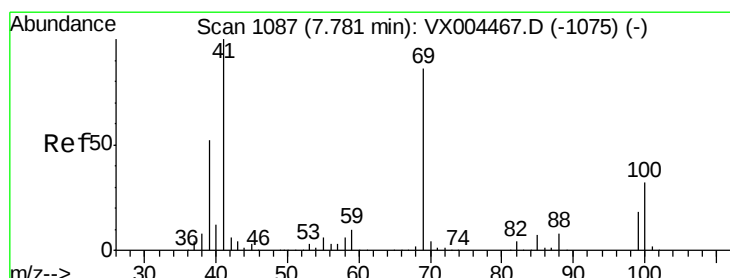
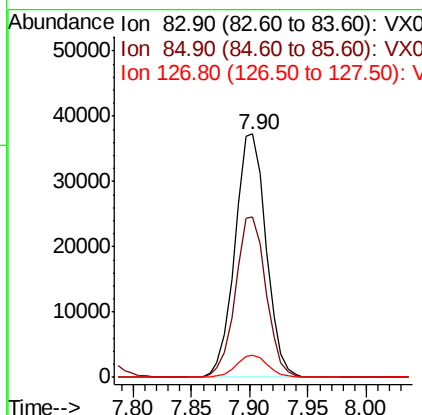
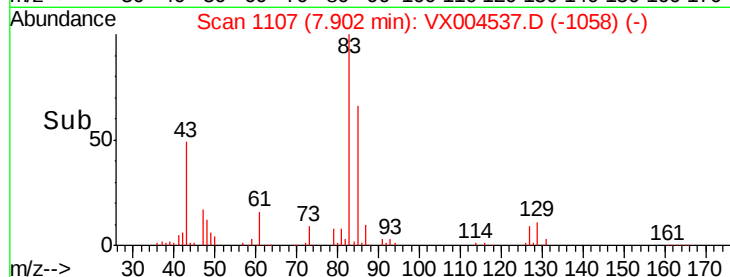
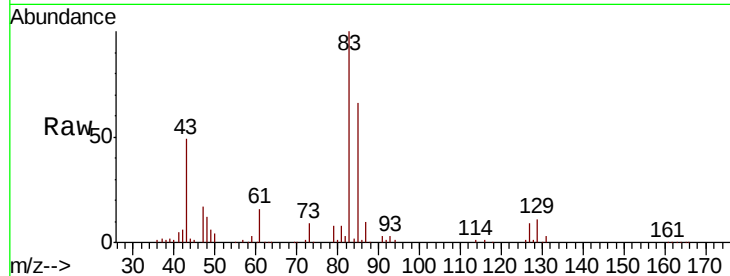
ClientSampleId :

VX0914MBS01

Tot Ion:	83	Resp:	69783
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.38 ug/l

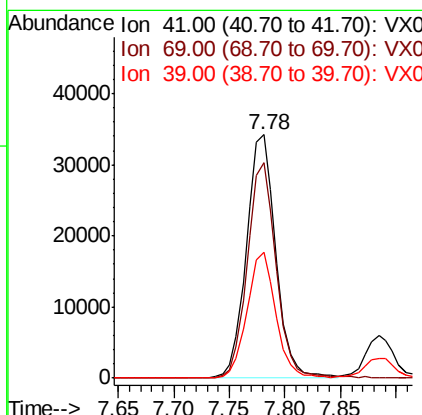
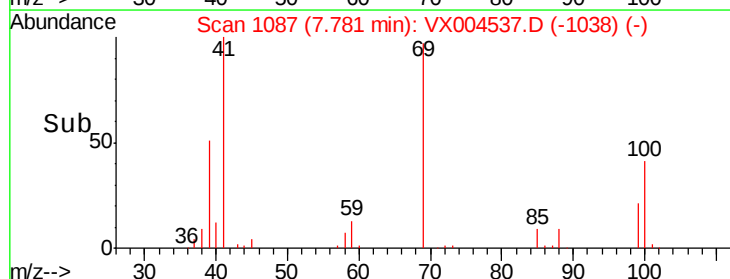
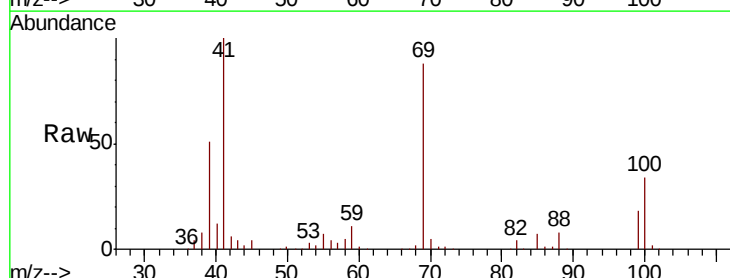
RT: 7.78 min Scan# 1087

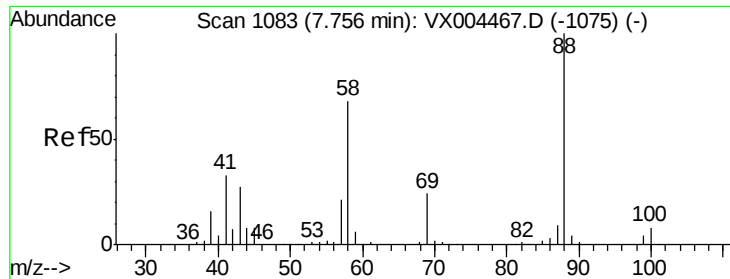
Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Tgt Ion:	41	Resp:	62387
Ion Ratio	Lower	Upper	
41	100		
69	87.9	70.2	105.4
39	51.2	42.7	64.1





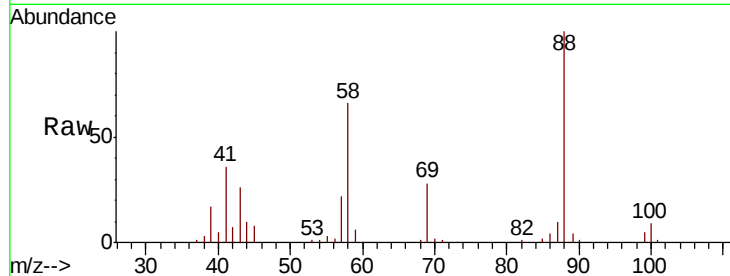
#49
1,4-Dioxane
Concen: 401.16 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.7	37.1
58	71.9	55.3	82.9

Manual Integrations
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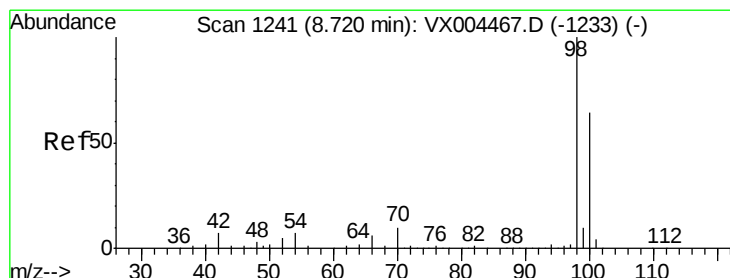
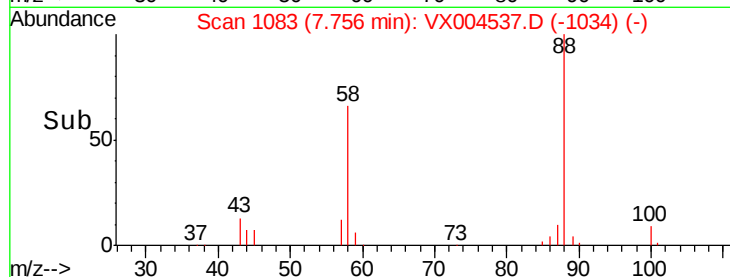
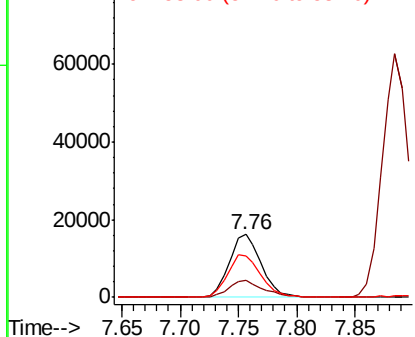


Abundance

Ion 88.00 (87.70 to 88.70): VX0

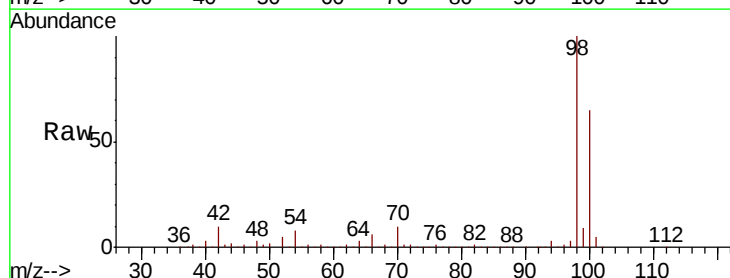
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.40 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

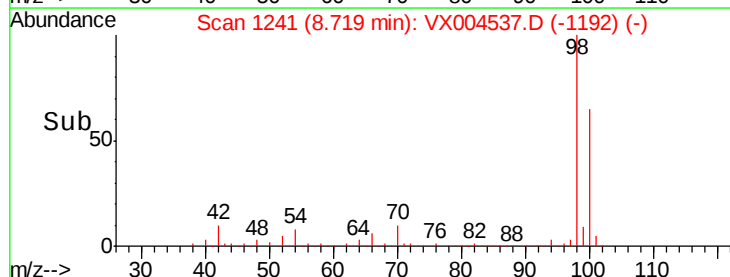
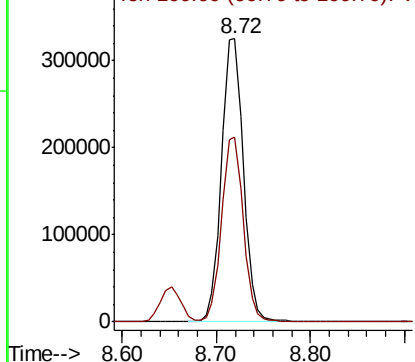
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3

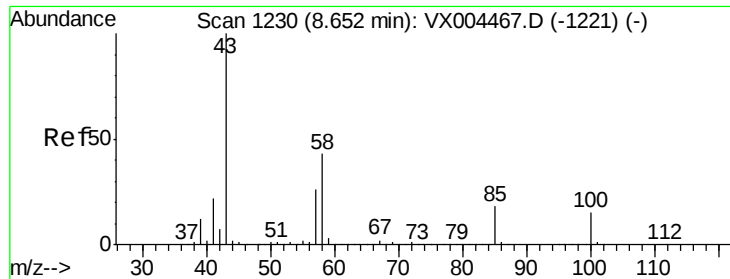


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





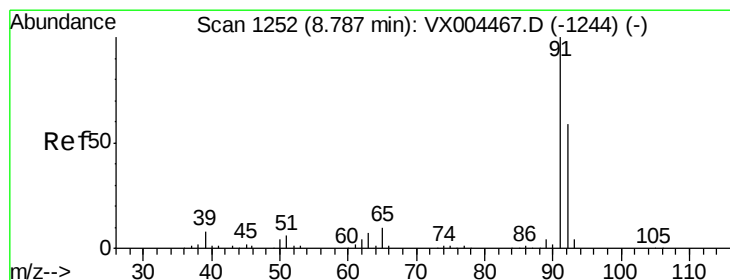
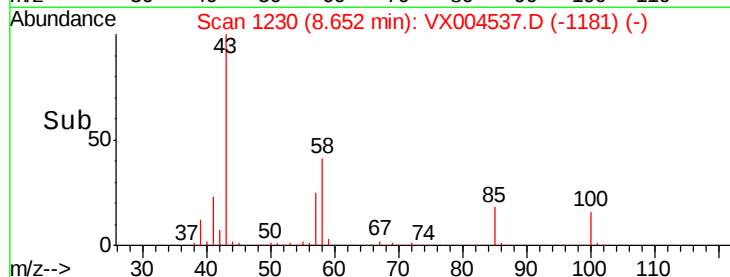
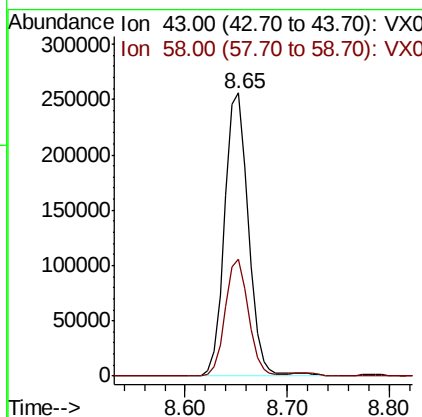
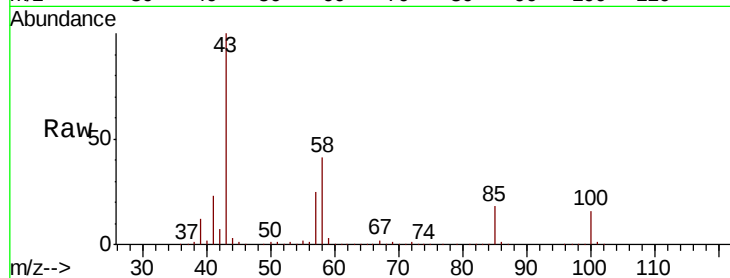
#51
4-Methyl-2-Pentanone
Concen: 90.28 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampled :
VX0914MBS01

Tot Ion: 43 Resp: 414321
Ion Ratio Lower Upper
43 100
58 40.0 33.1 49.7

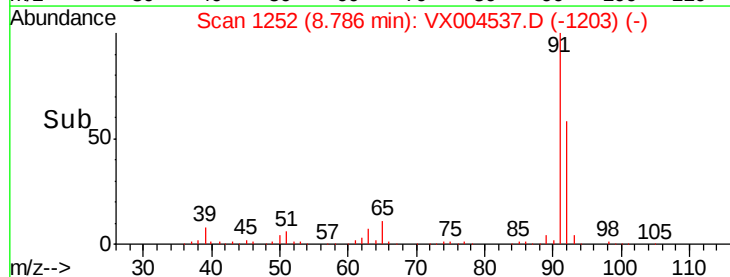
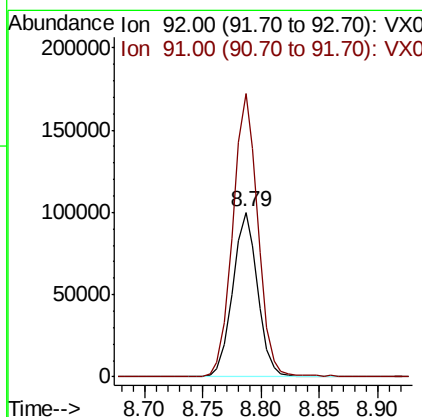
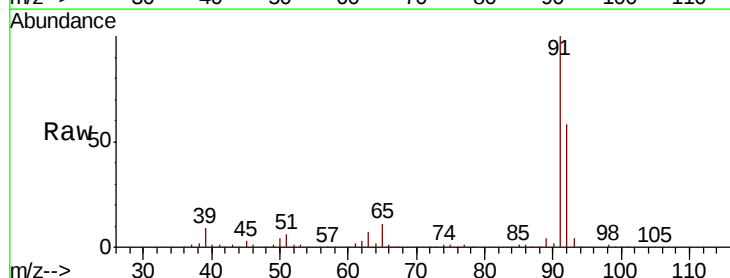
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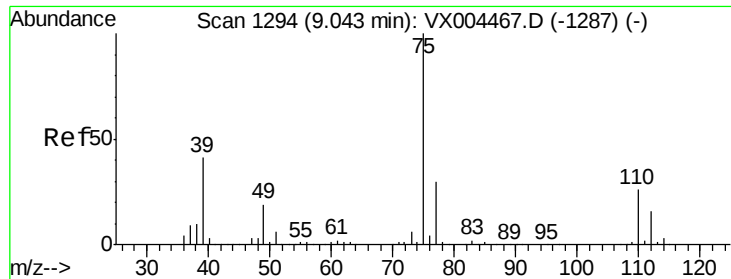
apatel
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#52
Toluene
Concen: 19.85 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 92 Resp: 149407
Ion Ratio Lower Upper
92 100
91 174.3 136.4 204.6





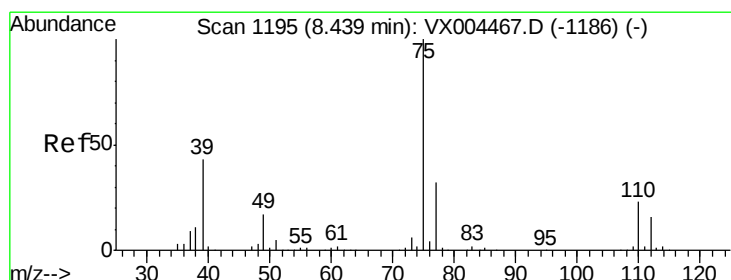
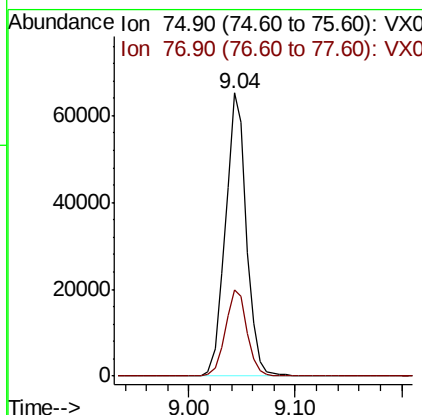
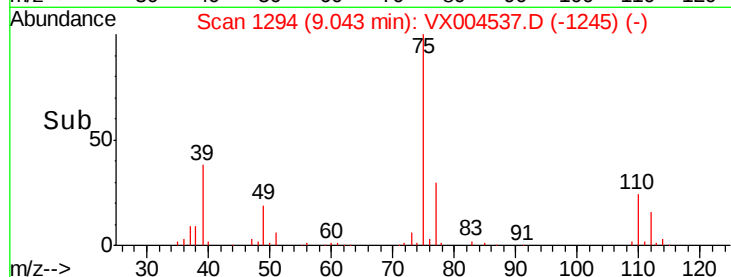
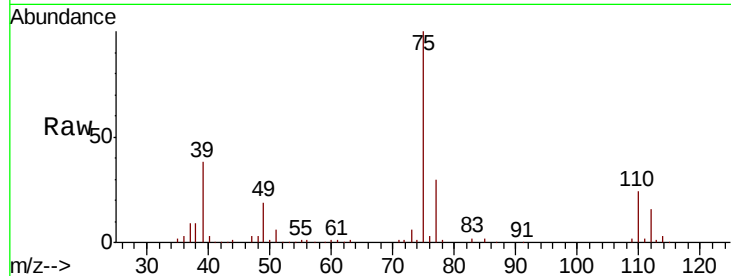
#53
 t-1,3-Dichloropropene
 Concen: 20.98 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion: 75 Resp: 89986
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0

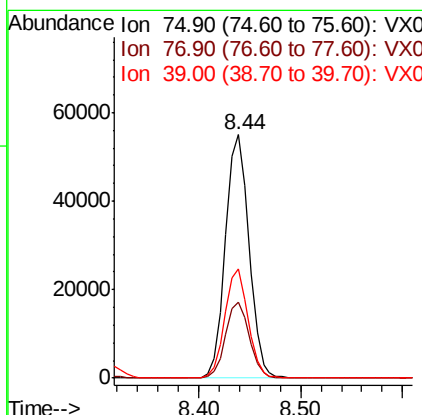
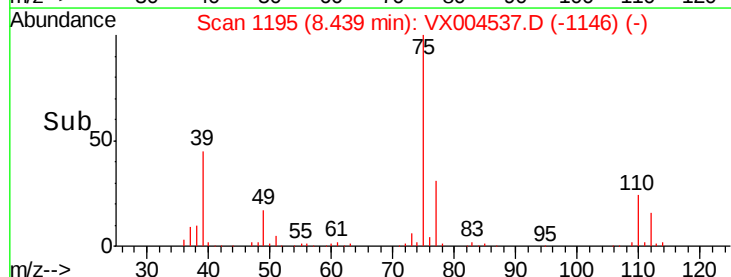
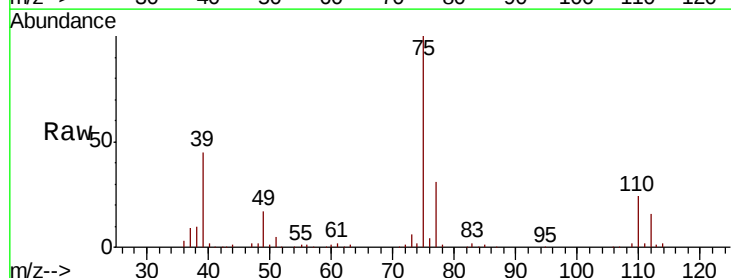
Manual Integrations
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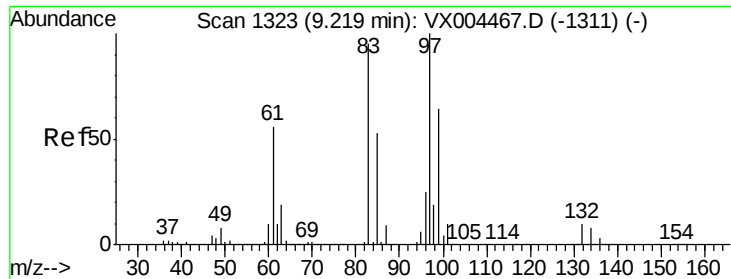
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#54
 cis-1,3-Dichloropropene
 Concen: 20.15 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion: 75 Resp: 88102
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2
 39 44.8 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 21.12 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

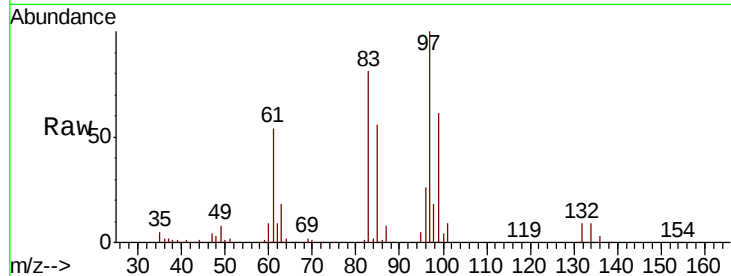
ClientSampleId :

VX0914MBS01

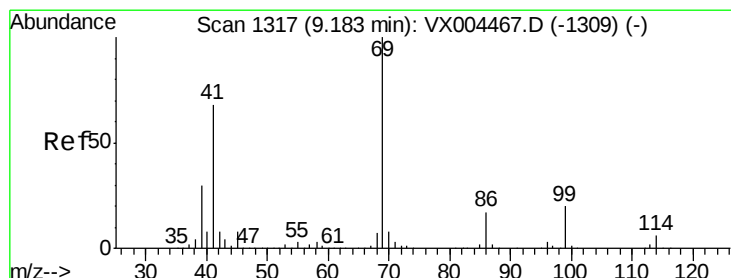
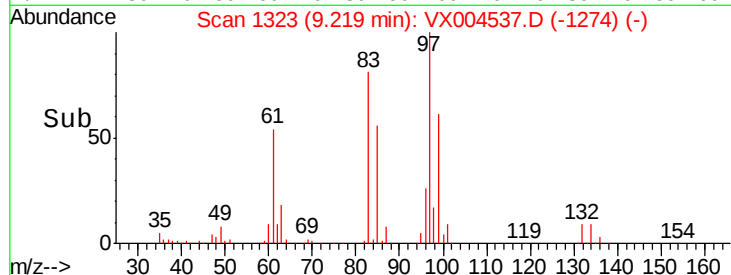
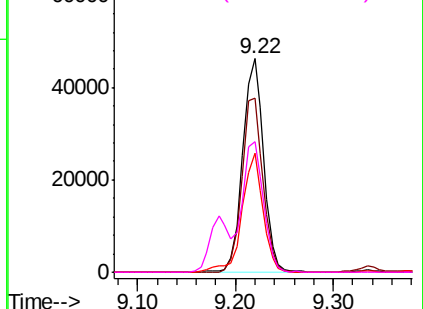
Tot Ion:	97	Resp:	68420
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.4	99.6
85	55.6	43.3	64.9
99	61.3	49.0	73.4

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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.43 ug/l

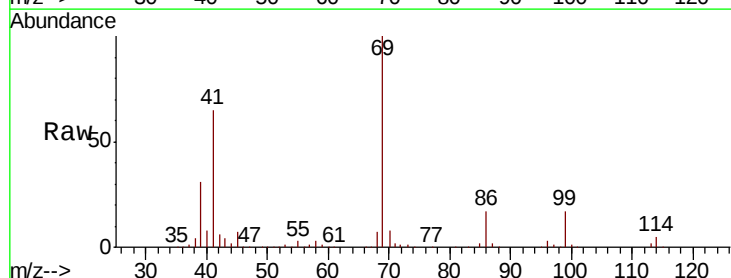
RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

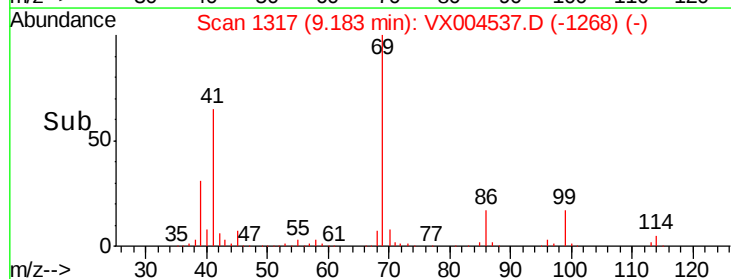
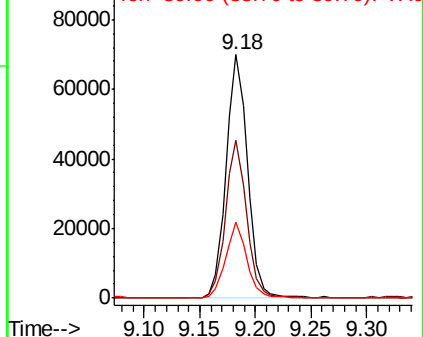
Lab File: VX004537.D

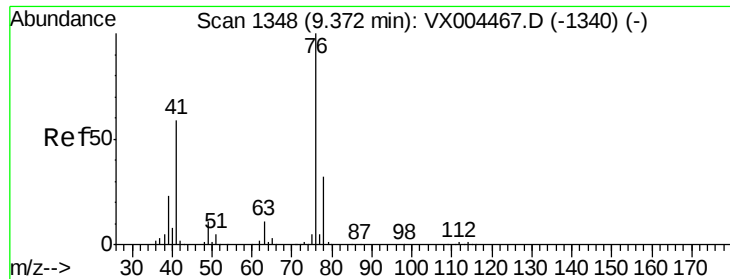
Acq: 14 Sep 2018 14:00

Tgt Ion:	69	Resp:	93627
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.0	76.4
39	30.2	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





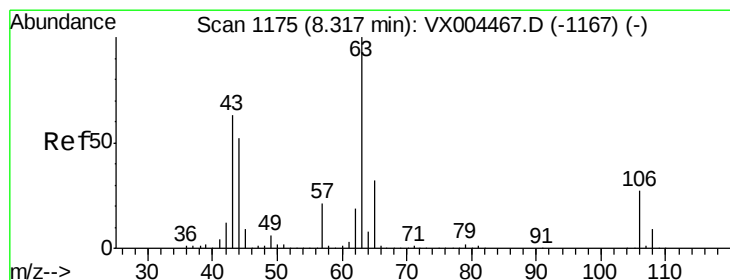
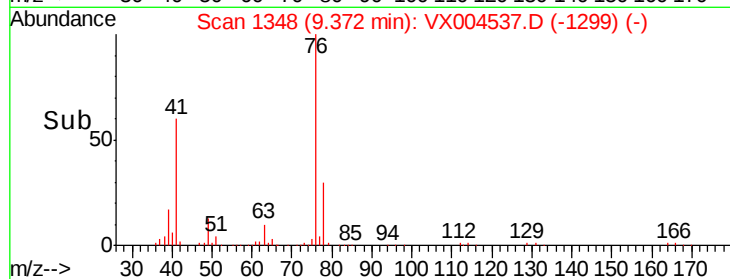
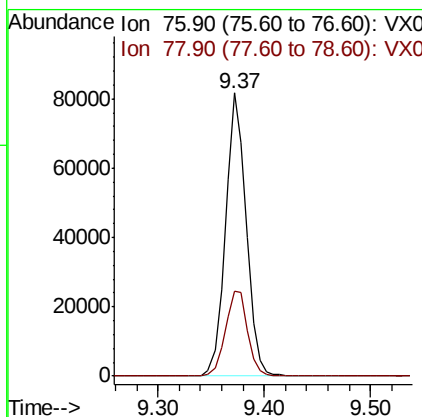
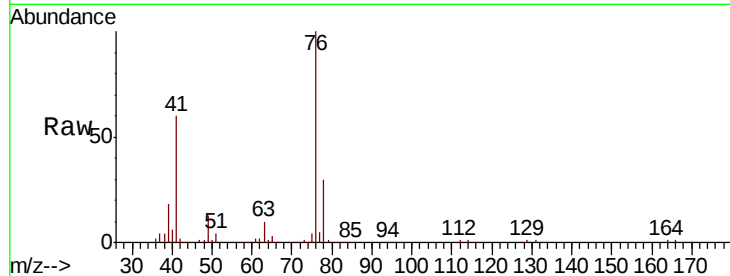
#57
 1,3-Dichloropropane
 Concen: 21.09 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

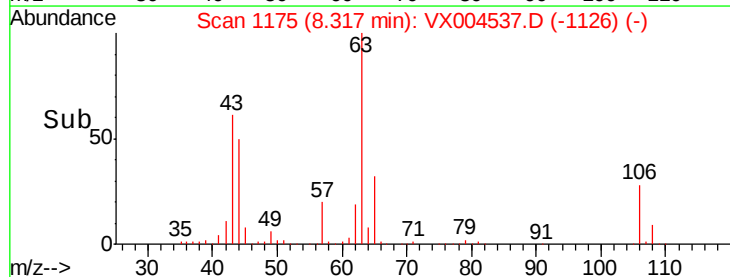
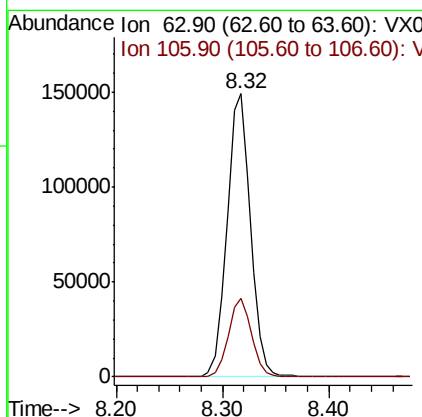
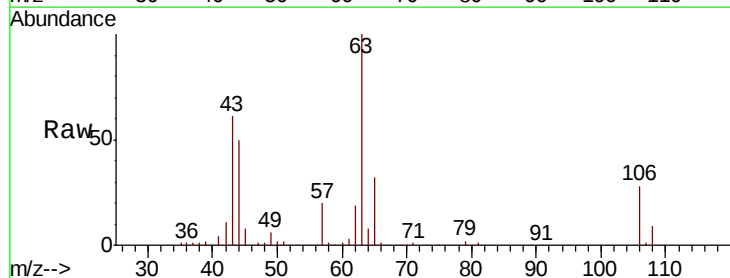
Manual Integrations
 APPROVED

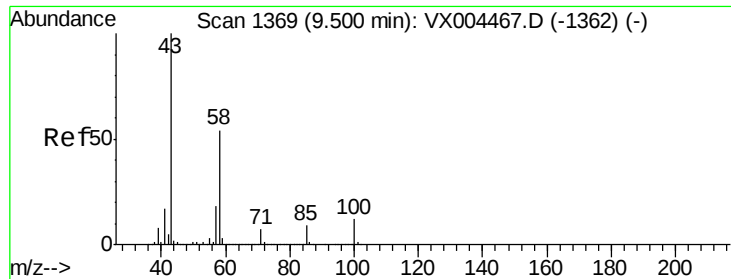
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.04 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.9	35.9





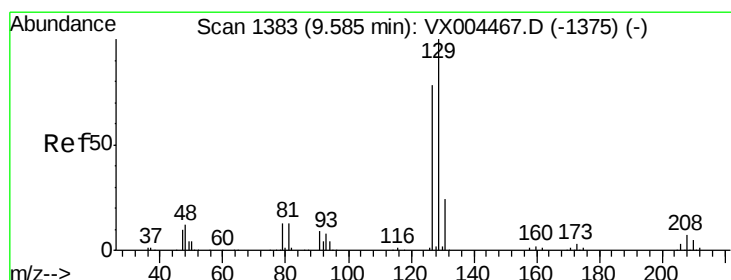
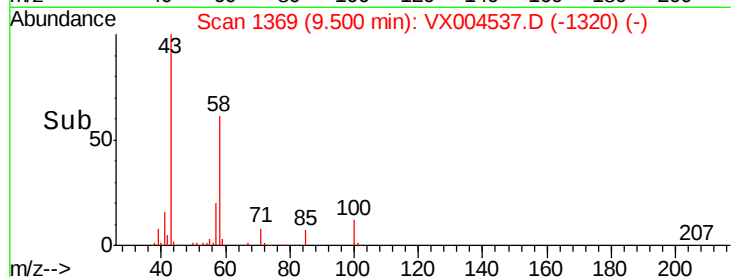
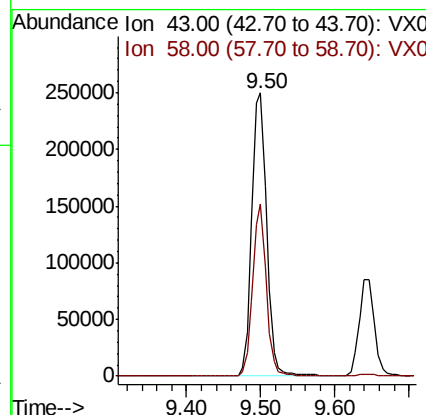
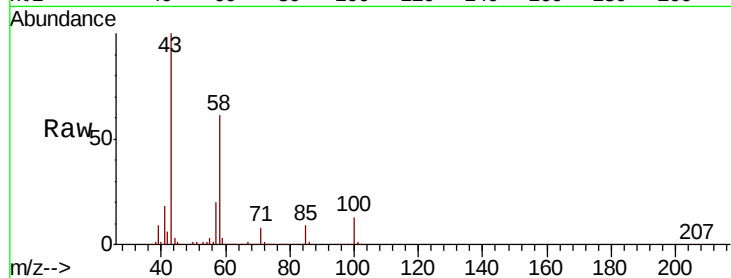
#59
2-Hexanone
Concen: 100.10 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion: 43 Resp: 352355
Ion Ratio Lower Upper
43 100
58 55.7 29.0 87.0

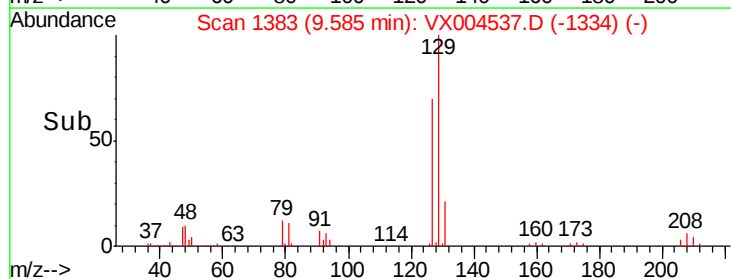
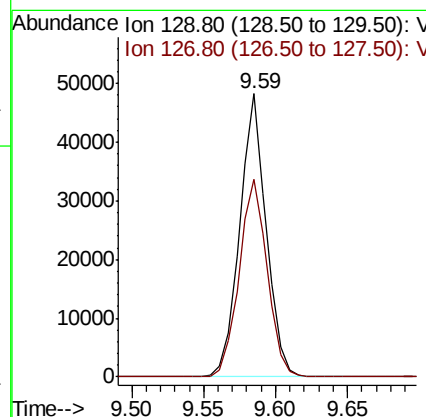
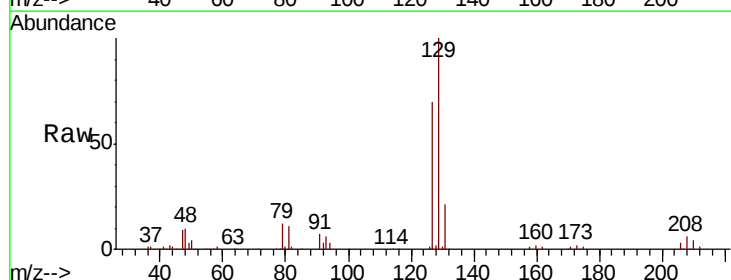
Manual Integrations
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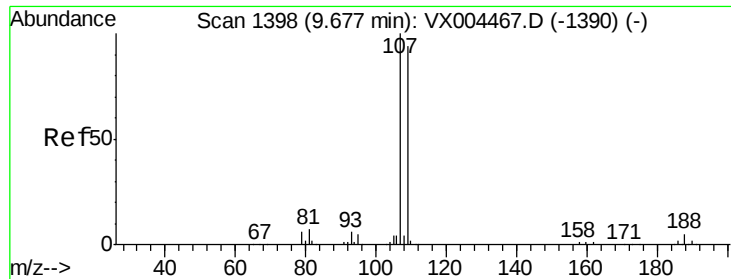
apatel
9/18/2018 11:30:47 AM



#60
Dibromochloromethane
Concen: 20.23 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 129 Resp: 61706
Ion Ratio Lower Upper
129 100
127 73.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.60 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 107 Resp: 60669

Ion Ratio Lower Upper

107 100

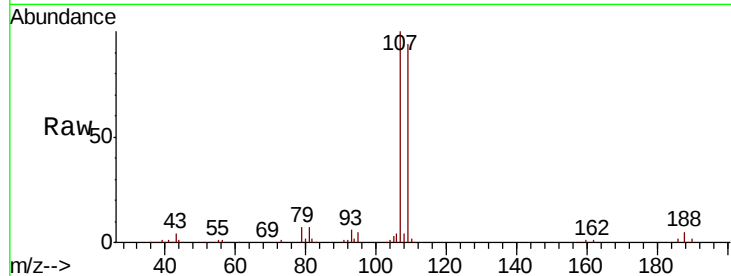
109 94.9 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

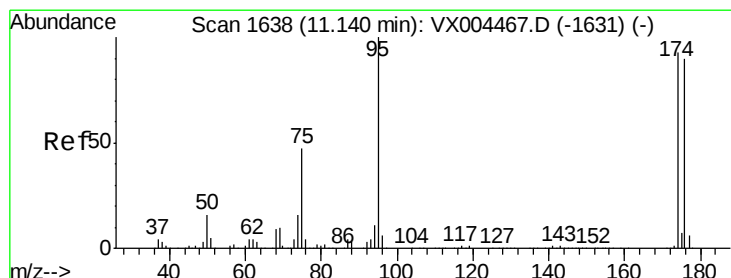
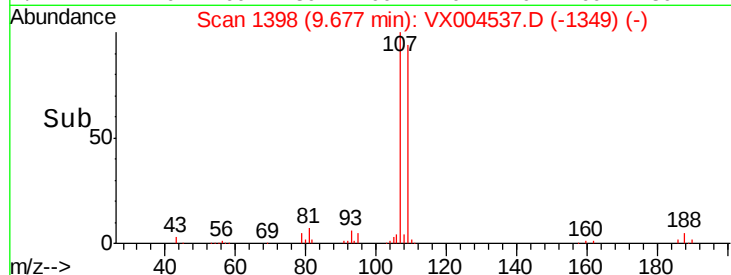
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.41 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

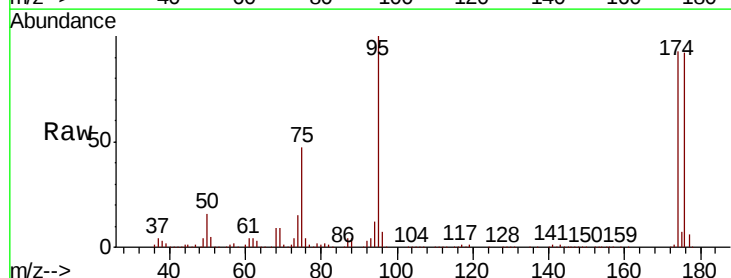
Tgt Ion: 95 Resp: 191929

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

176 90.3 0.0 178.6



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

200000

150000

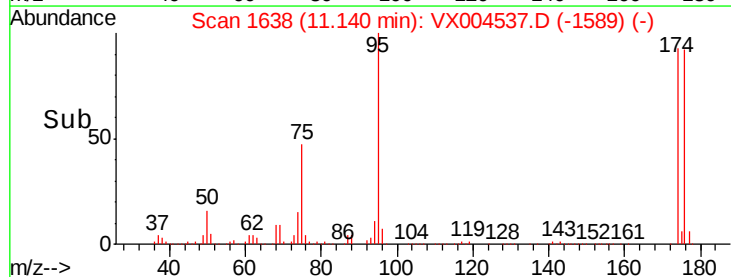
100000

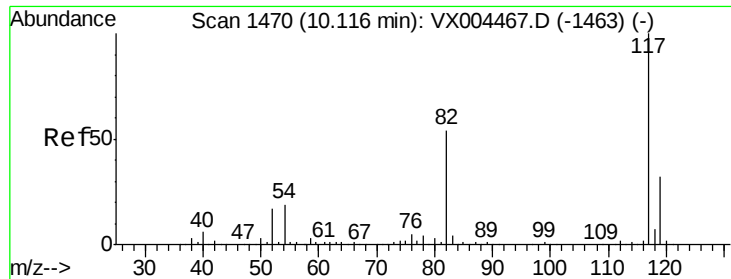
50000

0

11.10 11.14 11.18 11.22

Time-->





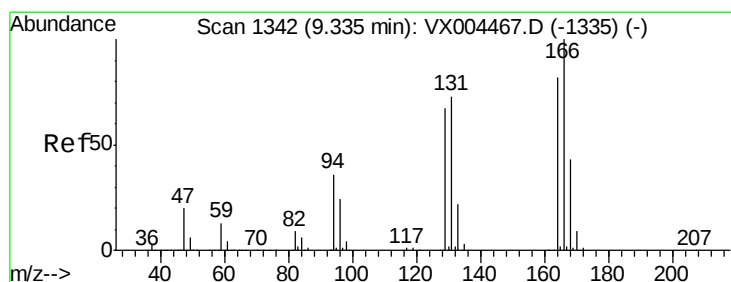
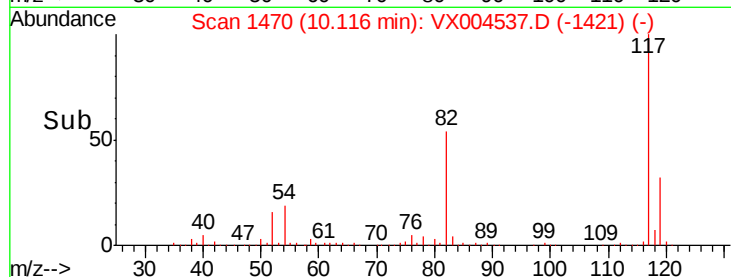
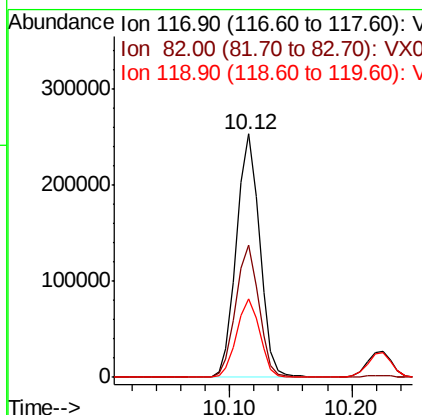
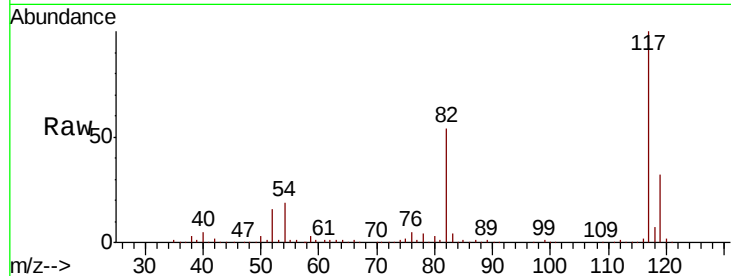
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.6
119	32.1	29.3	43.9

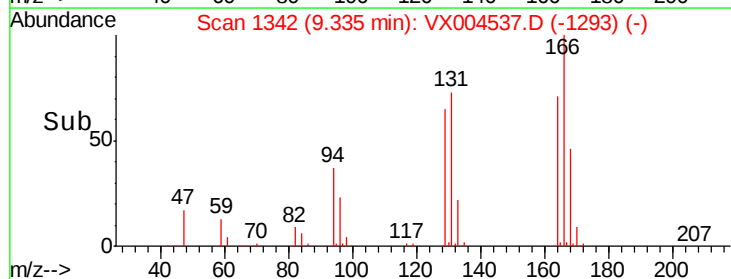
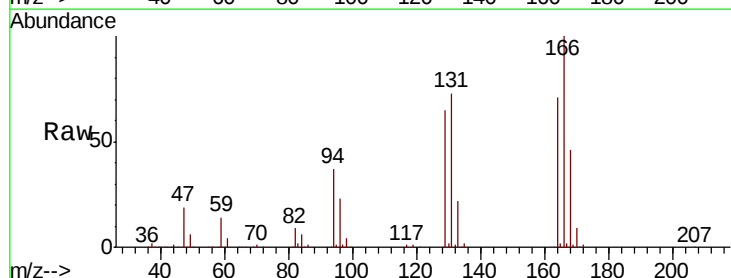
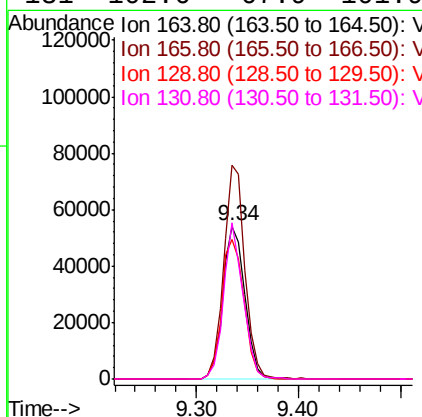
Manual Integrations
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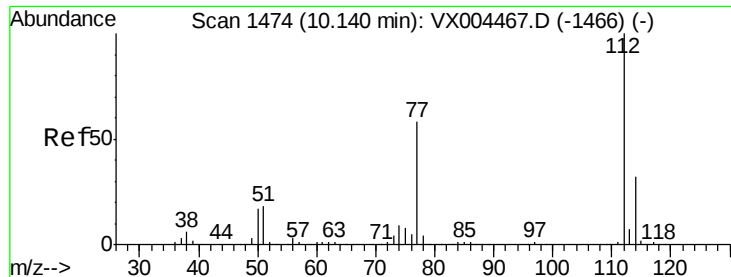
apatel
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#64
Tetrachloroethene
Concen: 19.42 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.1	102.8	154.2
129	91.7	69.4	104.0
131	102.6	67.9	101.9#





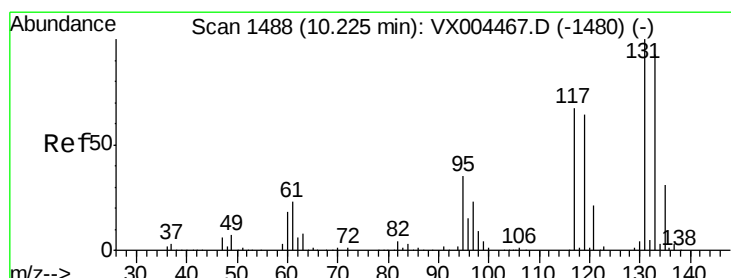
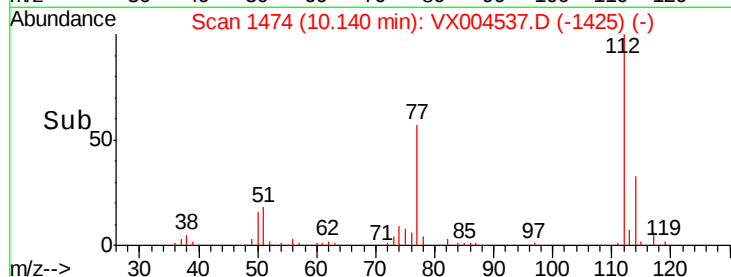
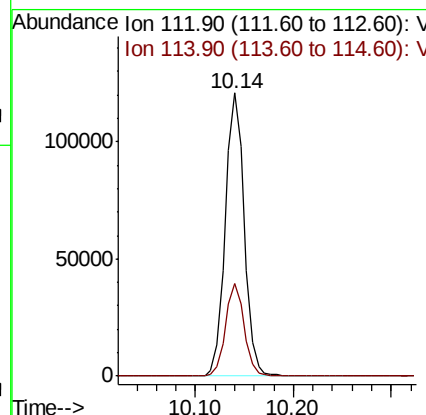
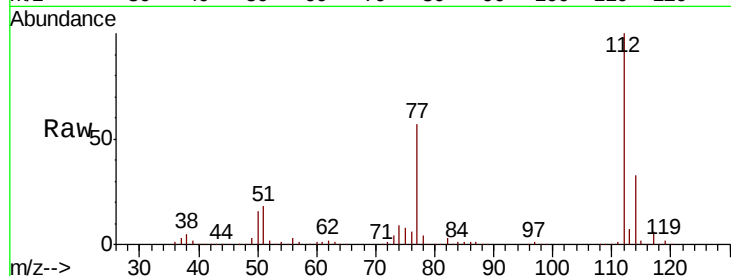
#65
Chlorobenzene
Concen: 19.70 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion:112 Resp: 162617
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

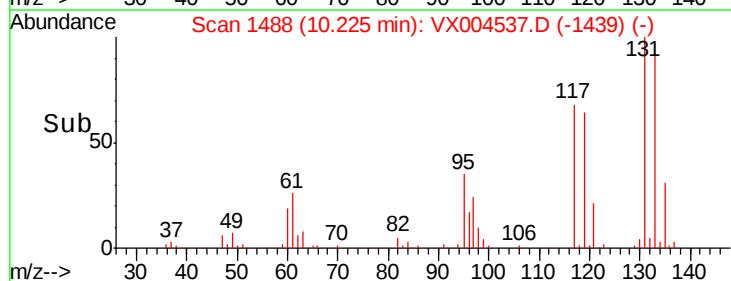
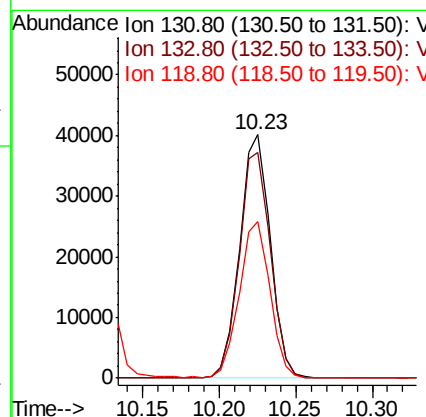
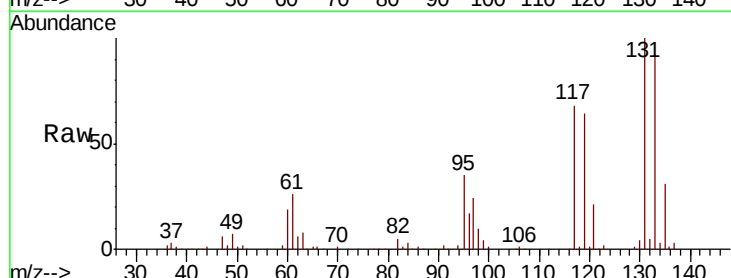
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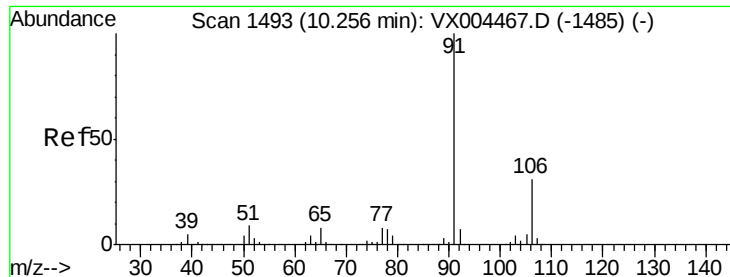
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.48 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion:131 Resp: 55445
Ion Ratio Lower Upper
131 100
133 94.7 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 20.60 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 91 Resp: 276431

Ion Ratio Lower Upper

91 100

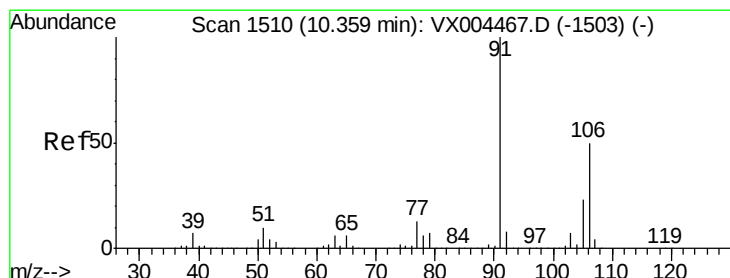
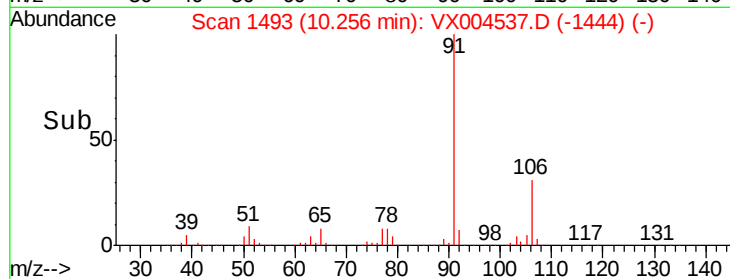
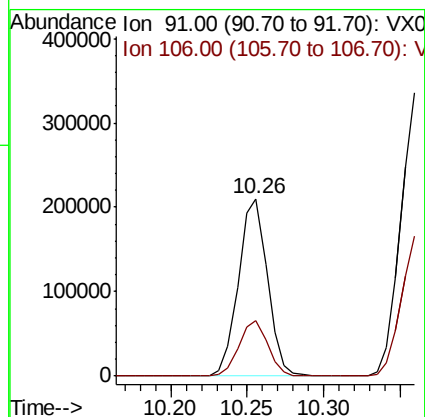
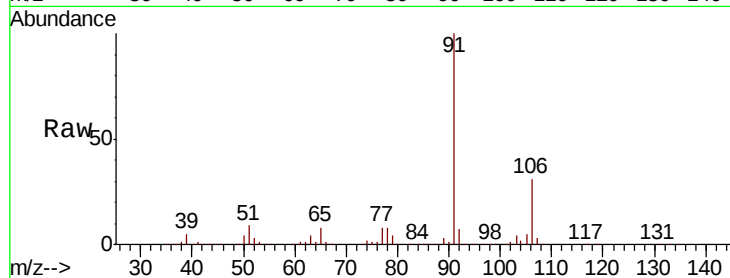
106 31.3 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.62 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004537.D

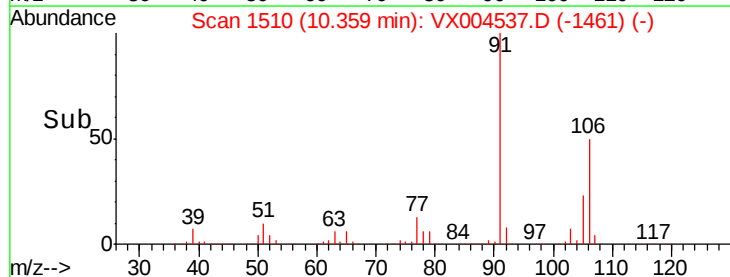
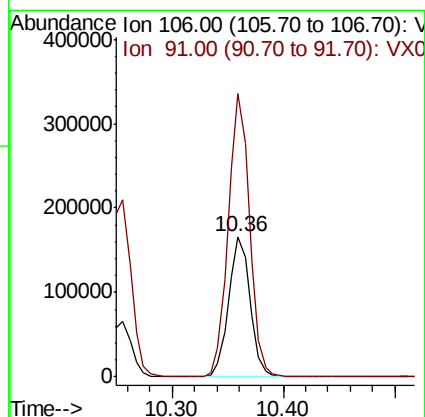
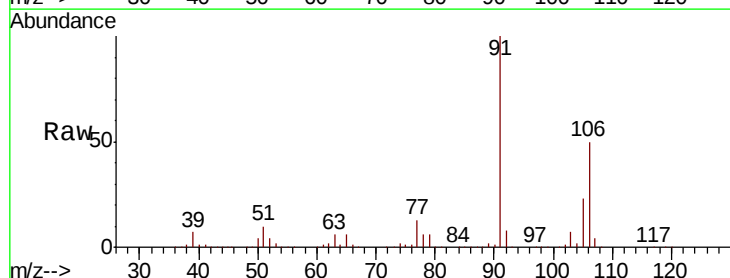
Acq: 14 Sep 2018 14:00

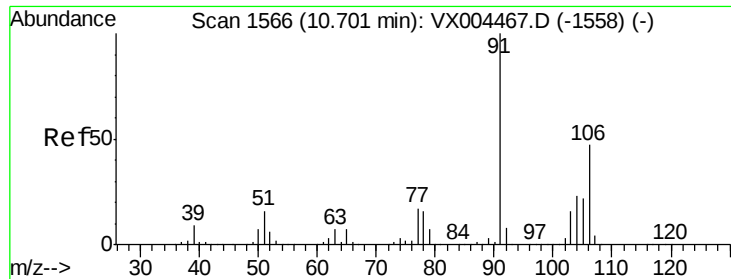
Tgt Ion: 106 Resp: 220310

Ion Ratio Lower Upper

106 100

91 202.0 157.1 235.7





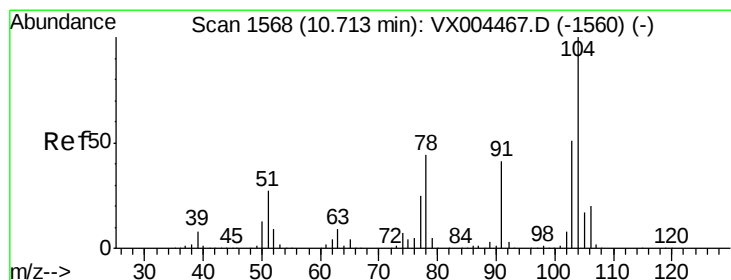
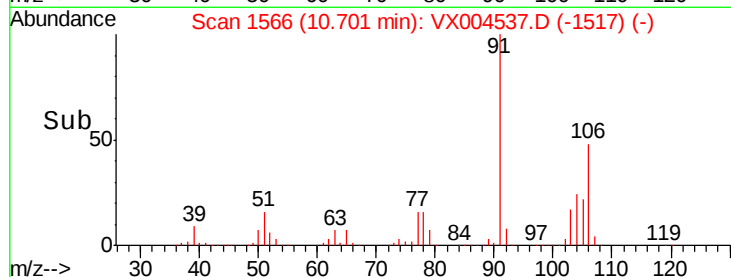
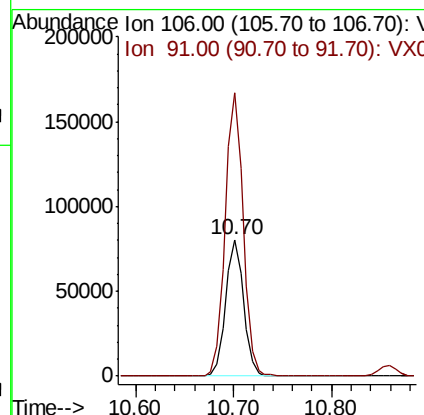
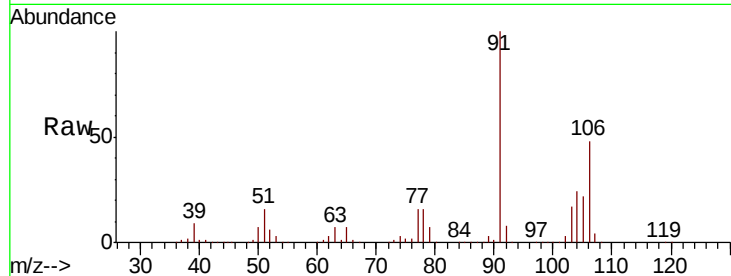
#69
o-Xylene
Concen: 20.52 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	105.1	315.1

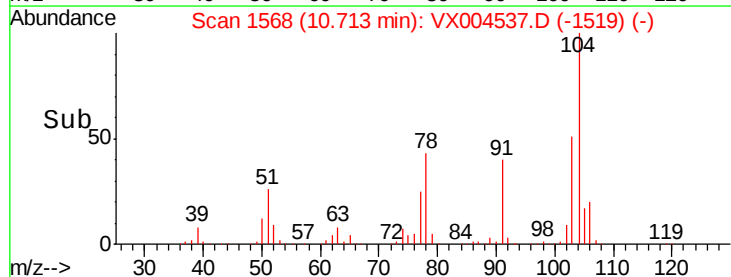
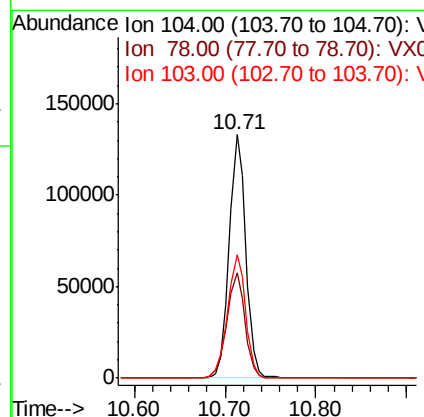
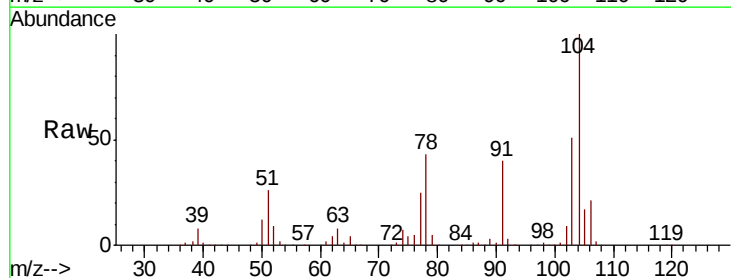
Manual Integrations
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#70
Styrene
Concen: 20.67 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.4	56.0
103	55.1	43.8	65.6





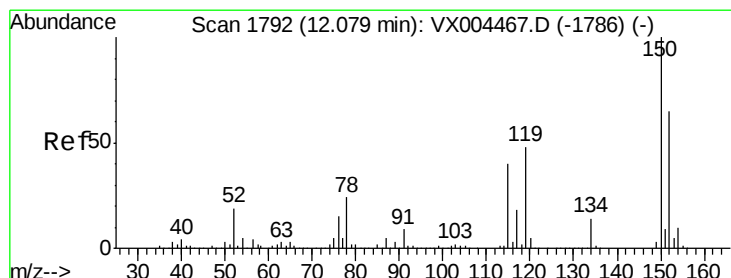
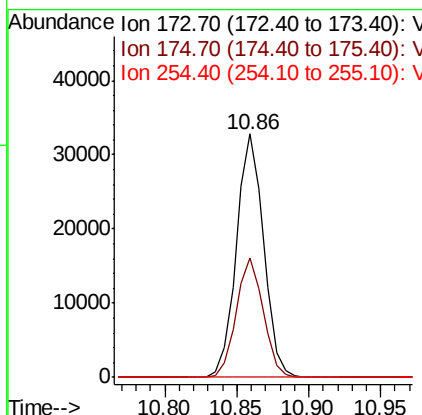
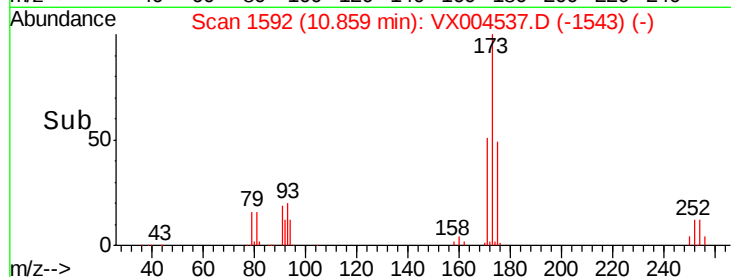
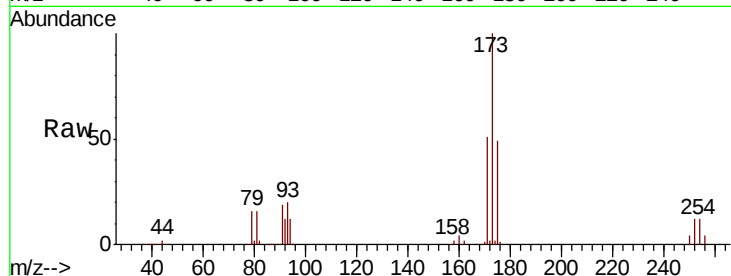
#71
Bromoform
Concen: 18.47 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.2	0.2

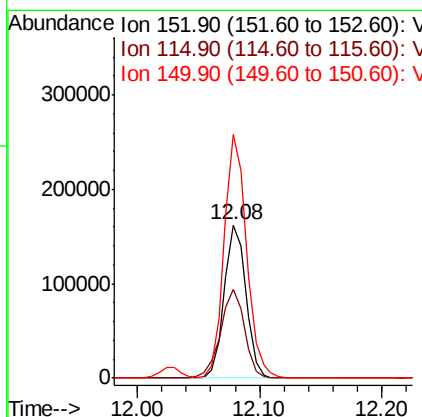
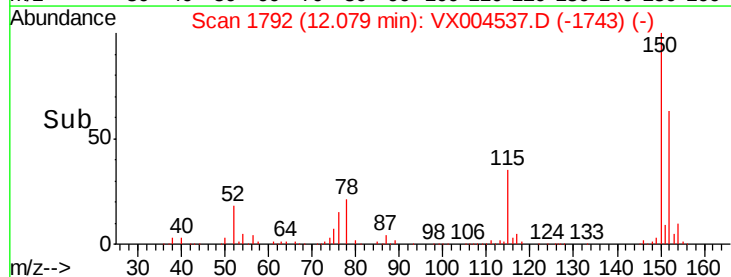
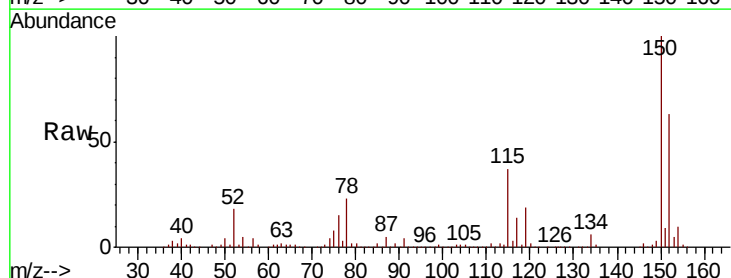
Manual Integrations
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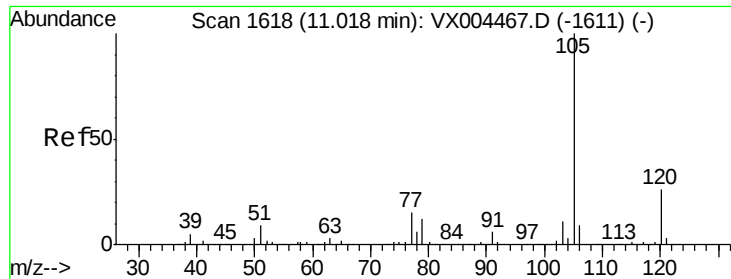
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	39.0	117.0
150	164.2	0.0	351.0





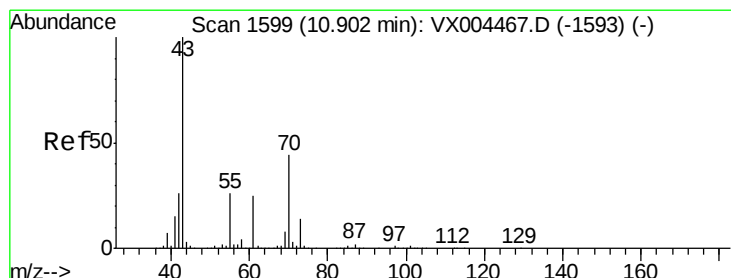
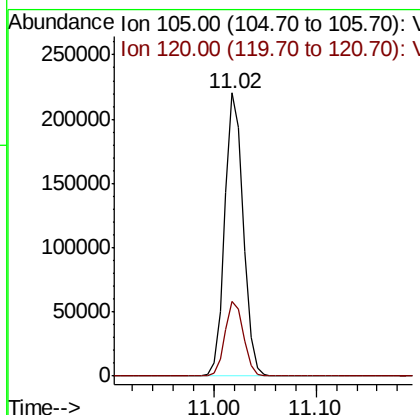
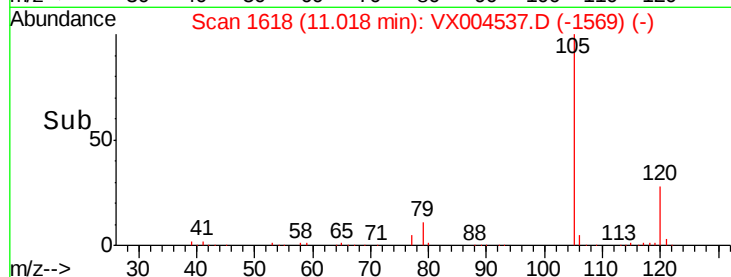
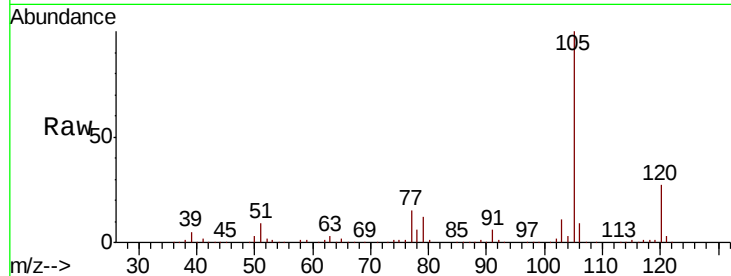
#73
Isopropylbenzene
Concen: 21.06 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion: 105 Resp: 276524
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

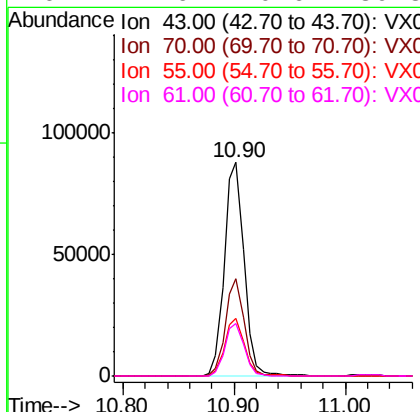
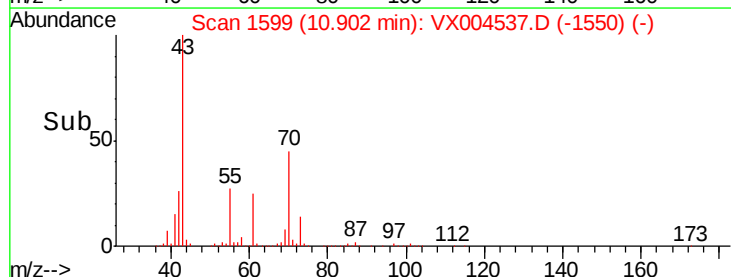
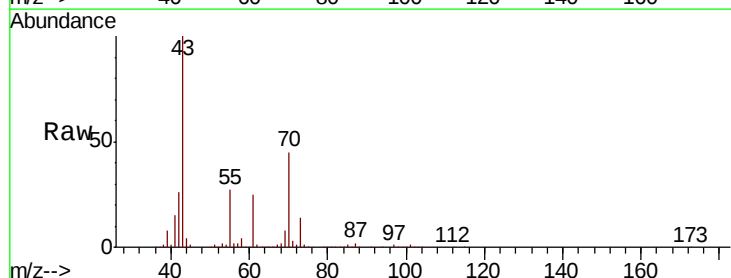
Manual Integrations
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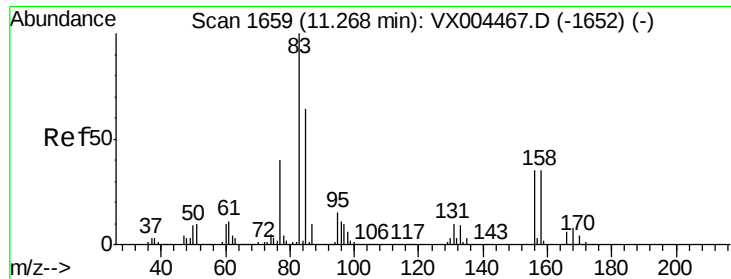
apatel
9/18/2018 11:30:47 AM



#74
N-ethyl acetate
Concen: 19.52 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 43 Resp: 107891
Ion Ratio Lower Upper
43 100
70 43.8 37.4 56.0
55 27.3 21.8 32.8
61 24.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 83 Resp: 82936

Ion Ratio Lower Upper

83 100

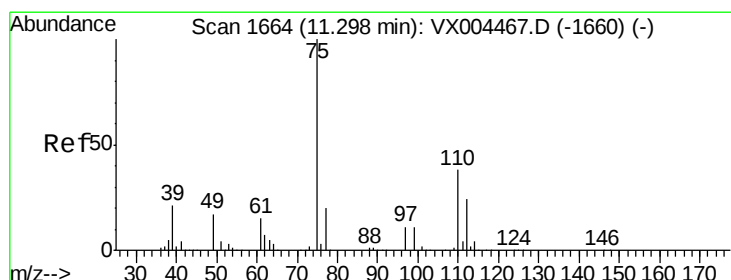
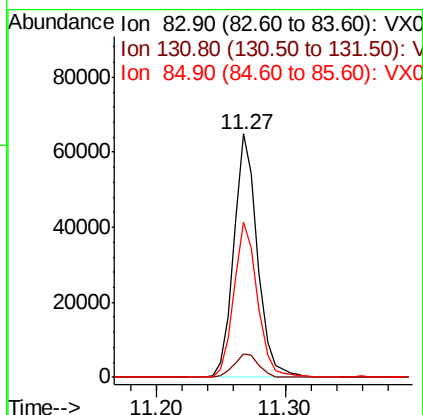
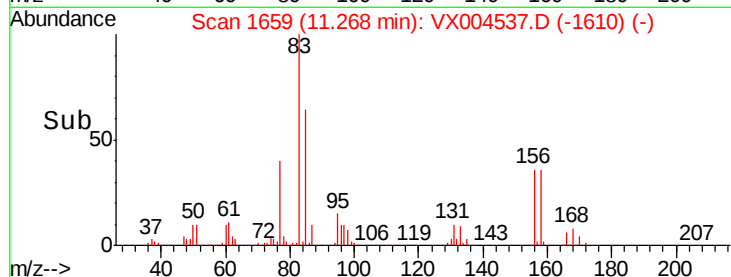
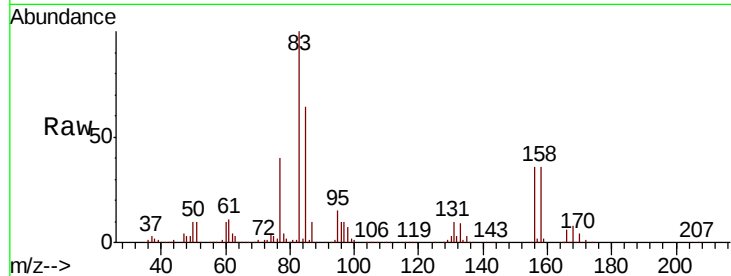
131 10.2 5.2 15.6

85 64.0 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.50 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004537.D

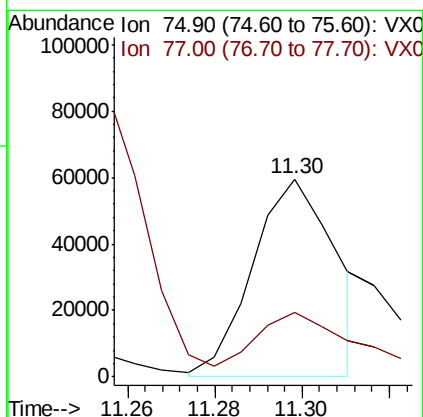
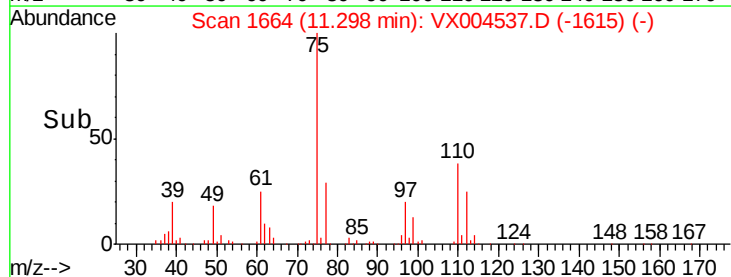
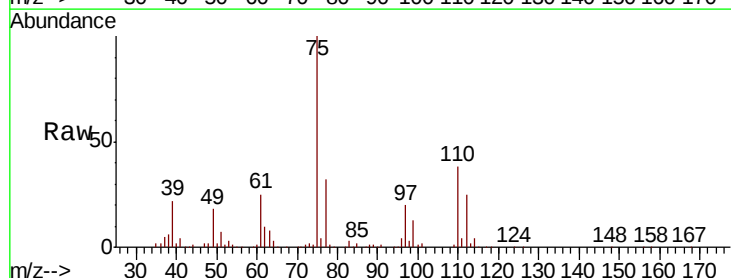
Acq: 14 Sep 2018 14:00

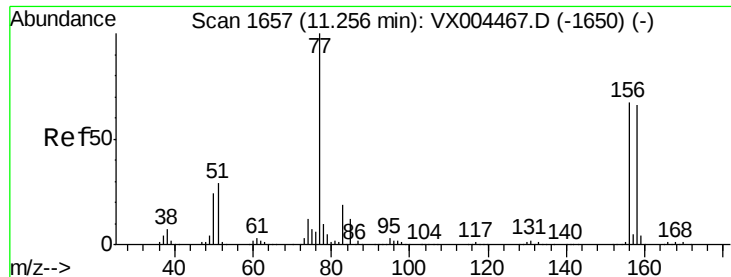
Tgt Ion: 75 Resp: 78231

Ion Ratio Lower Upper

75 100

77 40.3 20.2 60.6





#77

Bromobenzene

Concen: 20.21 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion:156 Resp: 73343

Ion Ratio Lower Upper

156 100

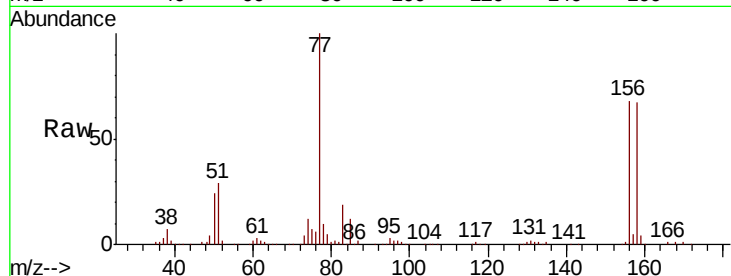
77 146.6 71.5 214.3

158 98.3 48.9 146.8

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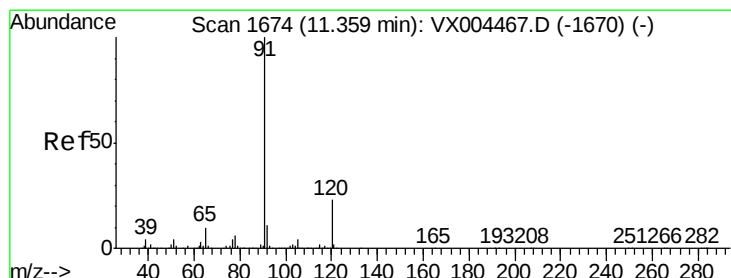
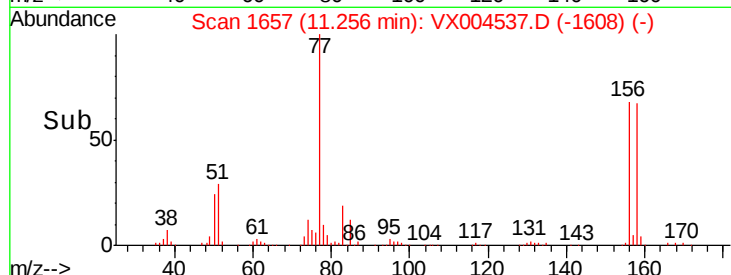
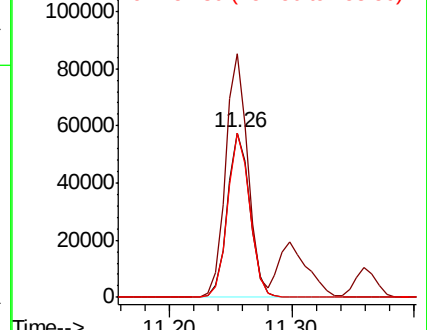
9/18/2018 11:30:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.02 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004537.D

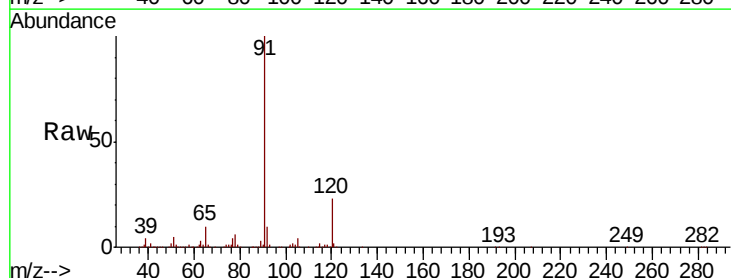
Acq: 14 Sep 2018 14:00

Tgt Ion: 91 Resp: 317298

Ion Ratio Lower Upper

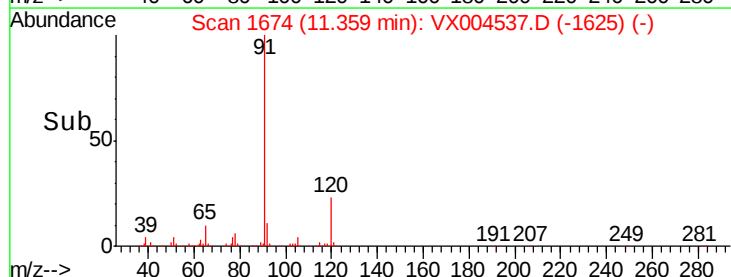
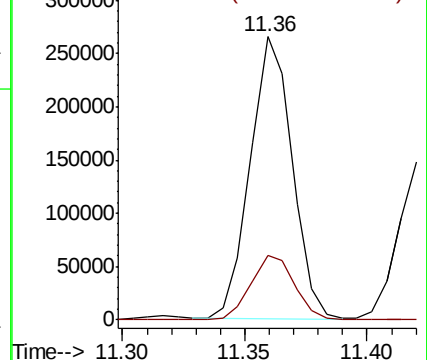
91 100

120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion: 91 Resp: 187222

Ion Ratio Lower Upper

91 100

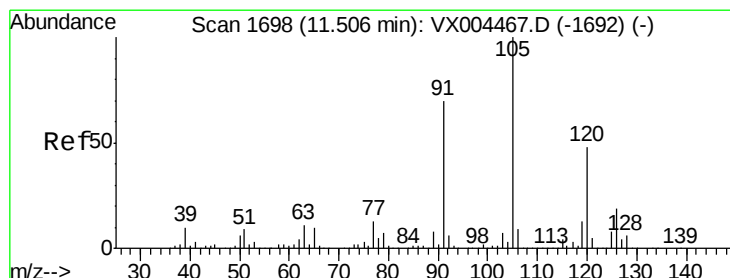
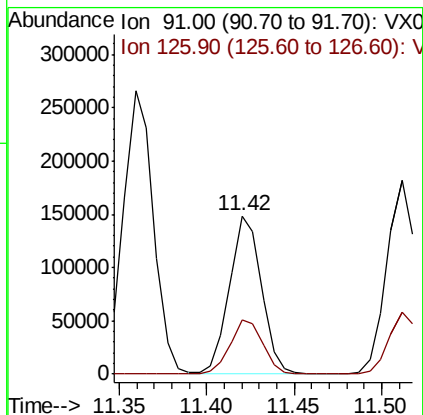
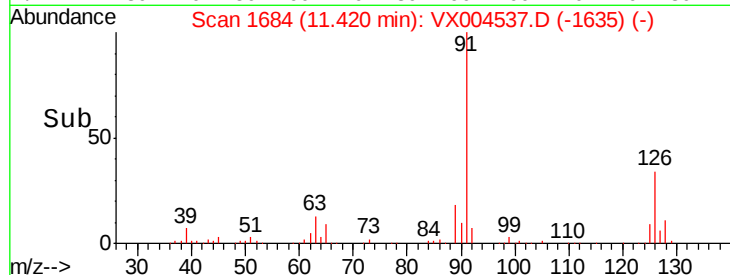
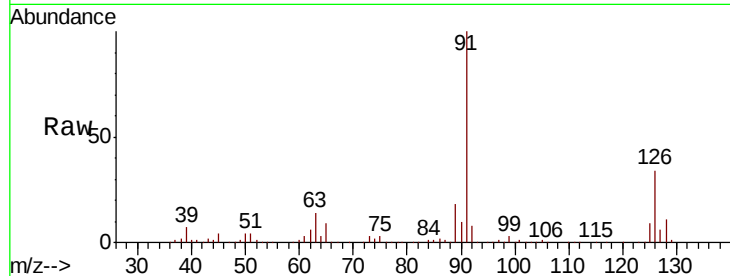
126 35.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.22 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004537.D

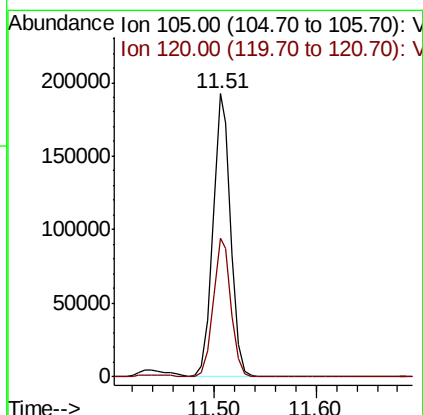
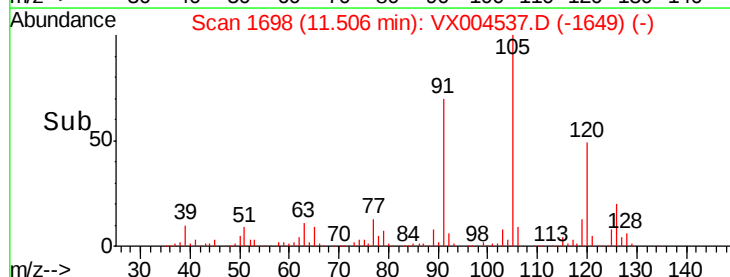
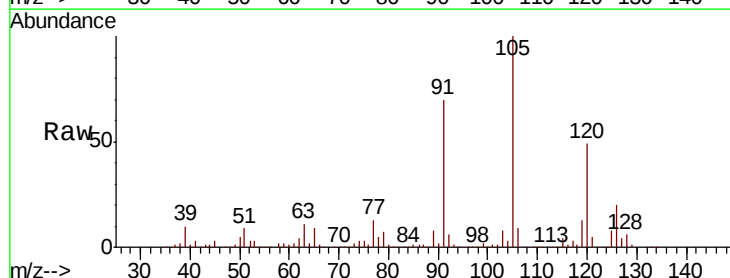
Acq: 14 Sep 2018 14:00

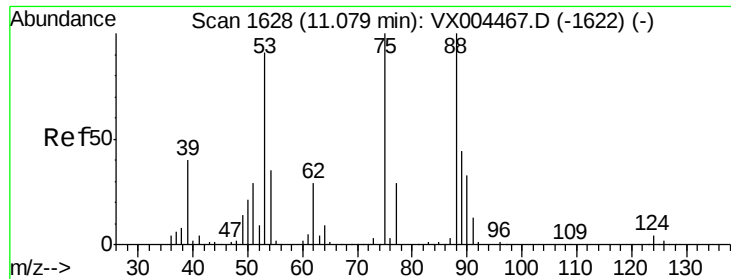
Tgt Ion:105 Resp: 234248

Ion Ratio Lower Upper

105 100

120 49.3 25.6 76.8





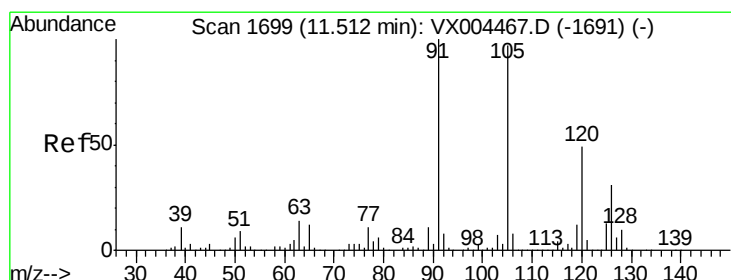
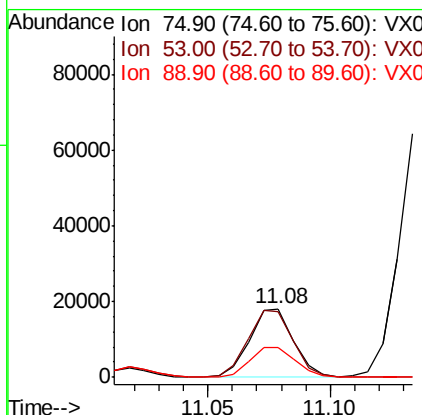
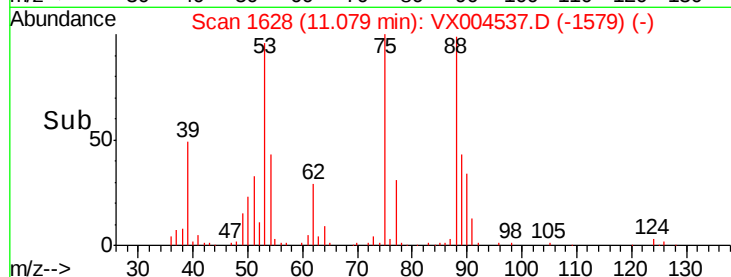
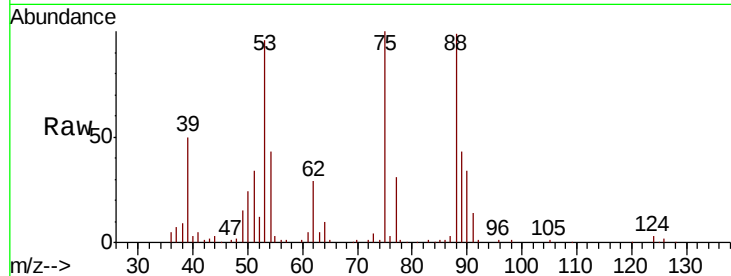
#81
trans-1,4-Dichloro-2-butene
Concen: 17.93 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion: 75 Resp: 22560
Ion Ratio Lower Upper
75 100
53 101.6 80.1 120.1
89 45.8 37.2 55.8

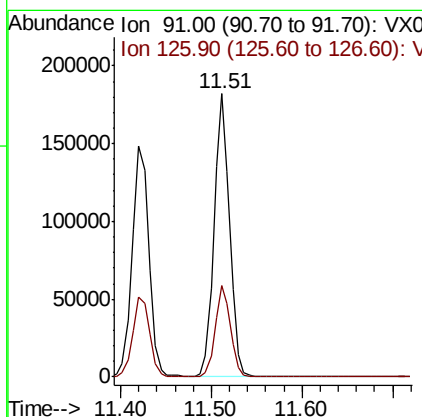
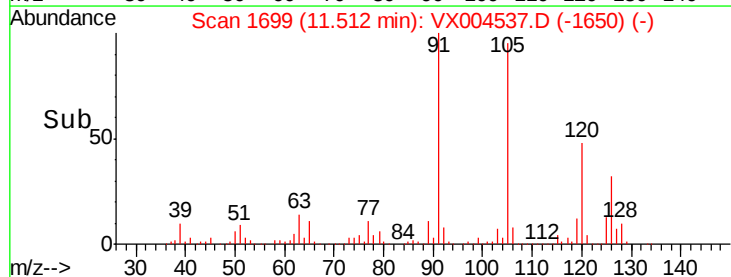
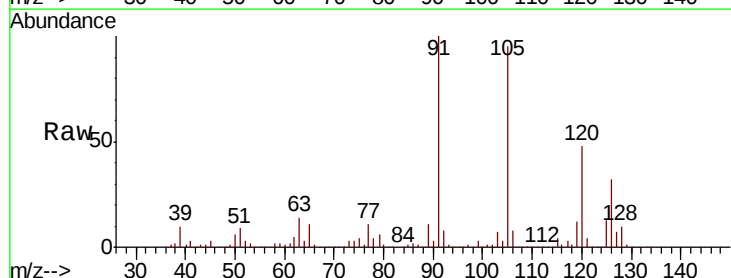
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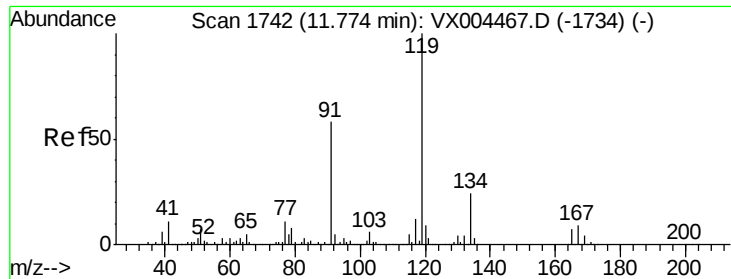
apatel
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#82
4-Chlorotoluene
Concen: 20.48 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion: 91 Resp: 218857
Ion Ratio Lower Upper
91 100
126 31.7 15.5 46.5





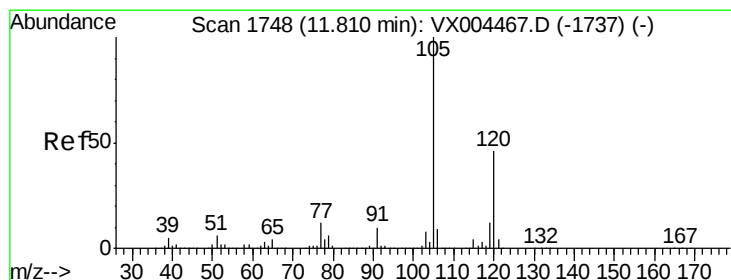
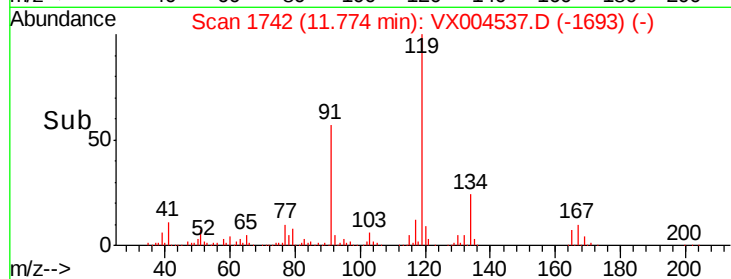
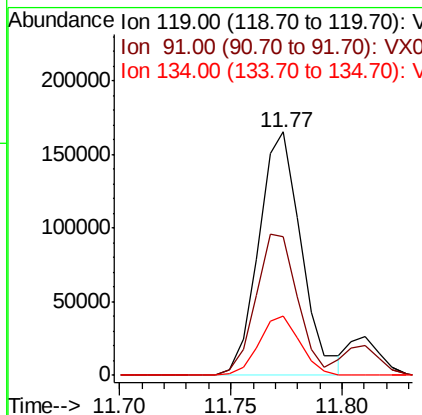
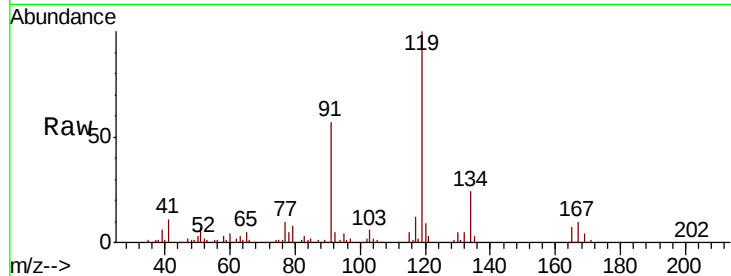
#83
 tert-Butylbenzene
 Concen: 20.93 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219926		
91	56.9		27.0	81.0
134	23.4		11.7	35.1

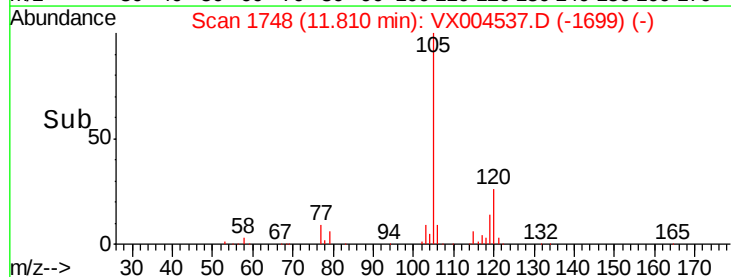
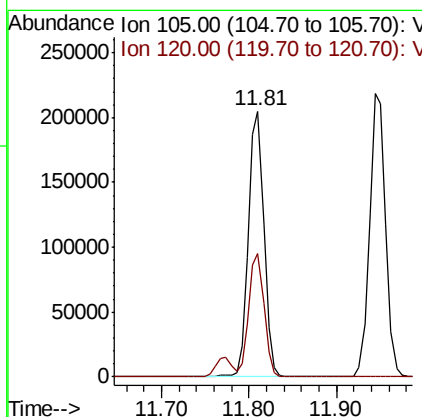
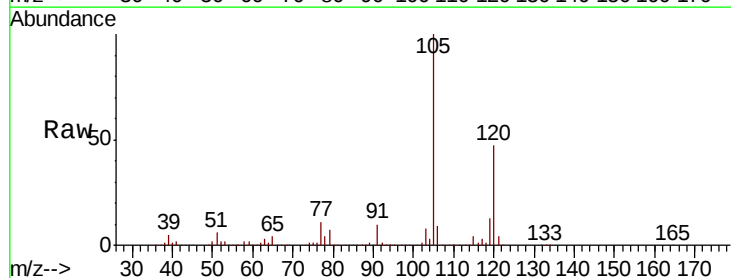
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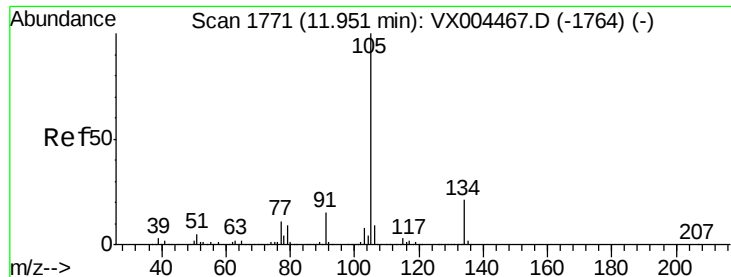
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.21 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250237		
120	46.0		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.90 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0914MBS01

Tot Ion:105 Resp: 279809

Ion Ratio Lower Upper

105 100

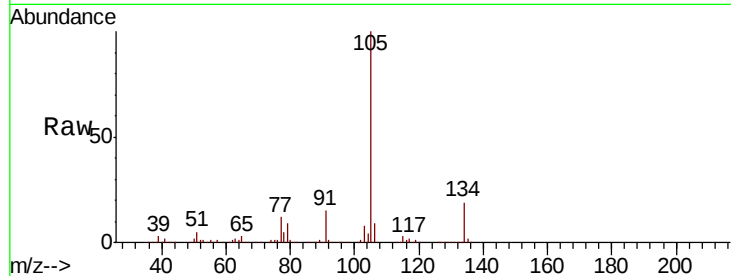
134 20.4 10.5 31.5

Manual Integrations

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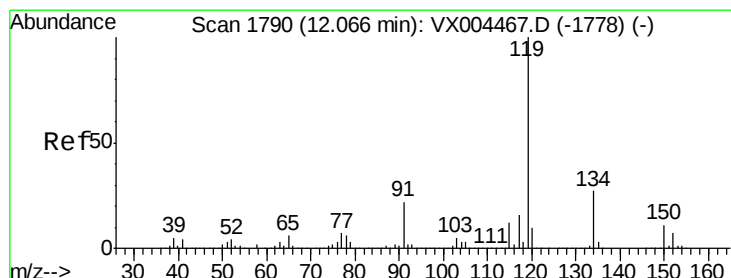
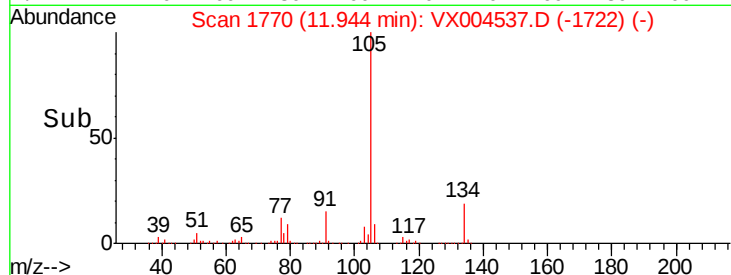
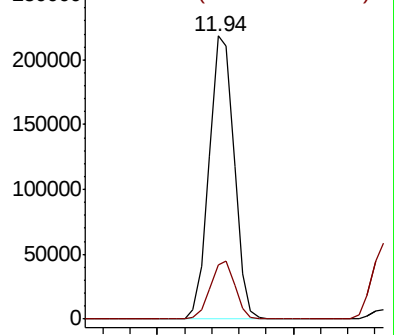
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004537.D

Acq: 14 Sep 2018 14:00

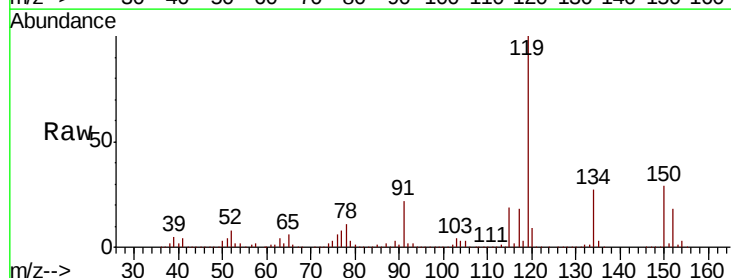
Tgt Ion:119 Resp: 250758

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

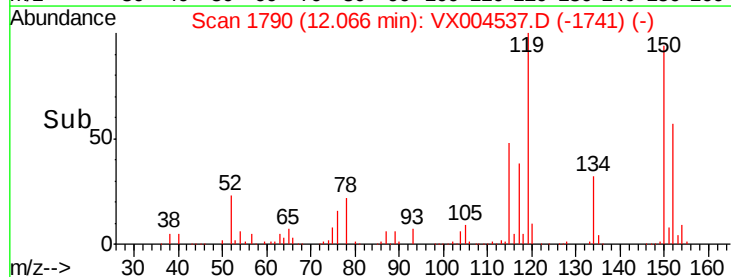
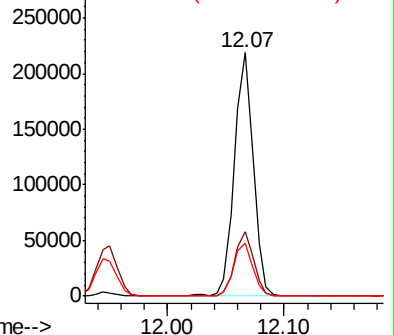
91 22.3 10.9 32.7

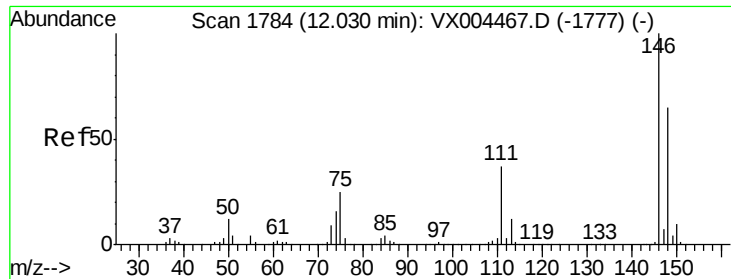


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





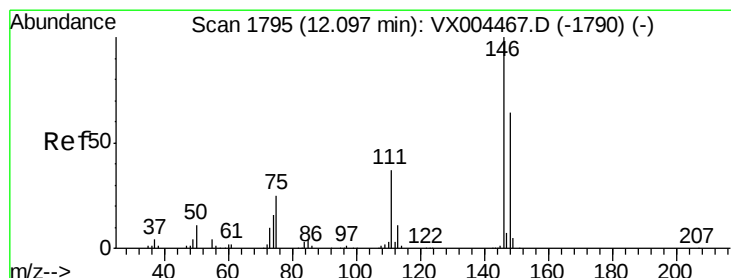
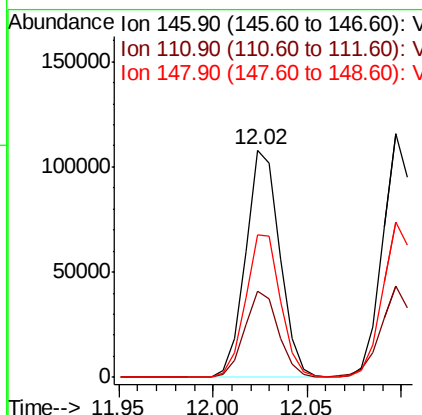
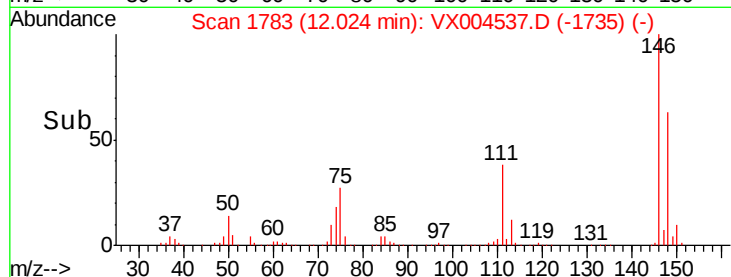
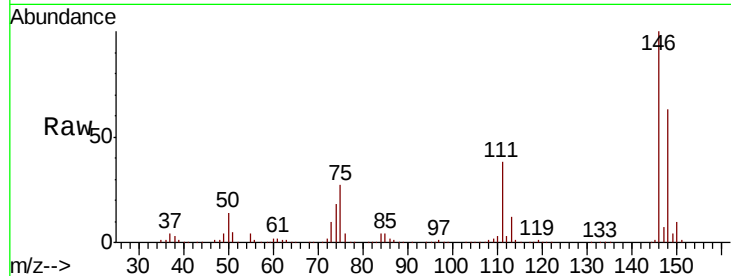
#87
 1,3-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.1	32.1	96.5

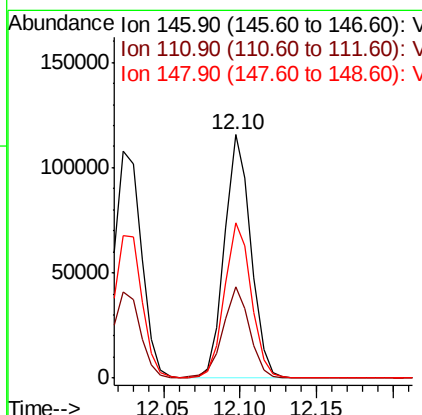
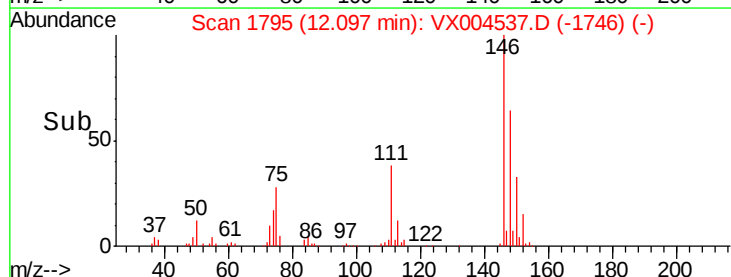
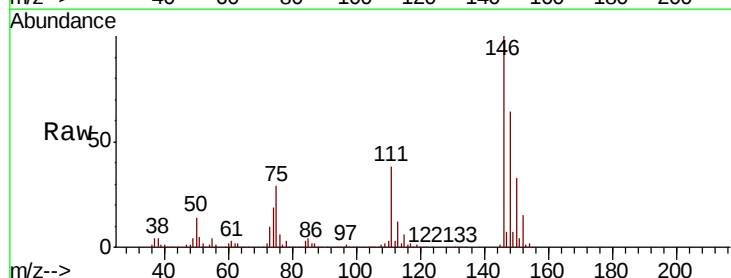
Manual Integrations
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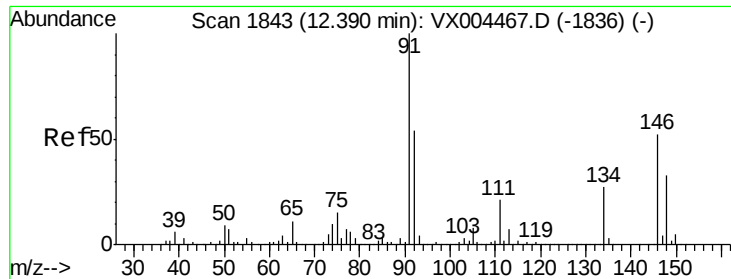
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	64.5	32.0	96.0





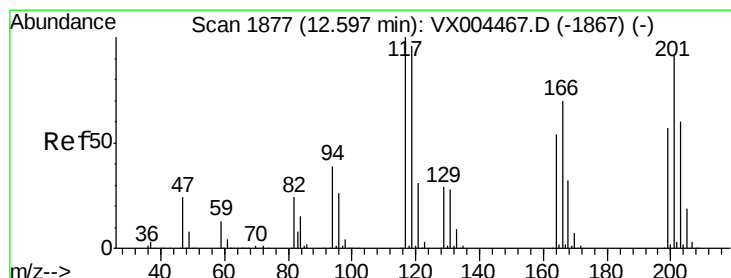
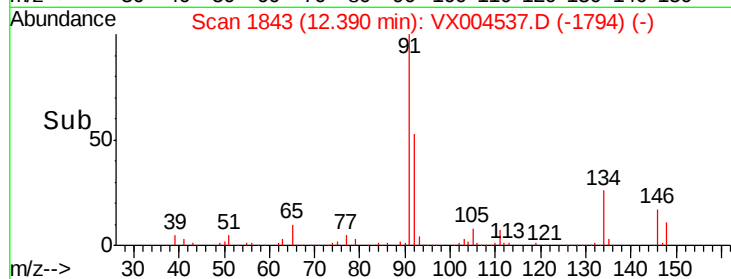
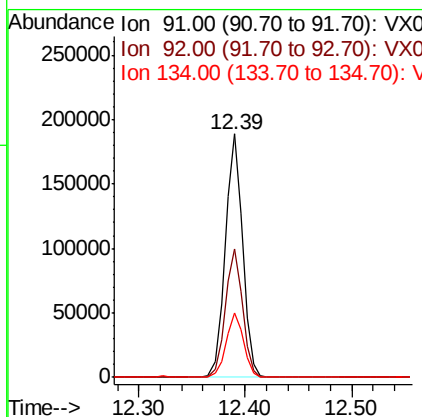
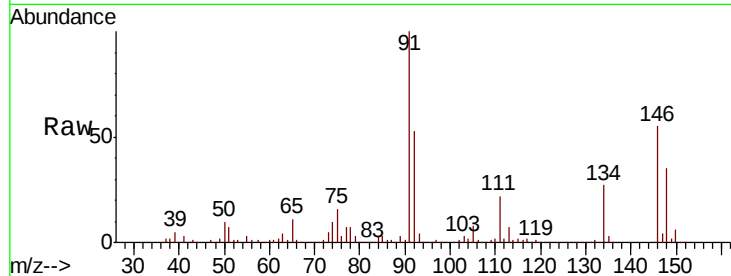
#89
n-Butylbenzene
Concen: 19.93 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.3	81.9
134	26.9	13.6	40.7

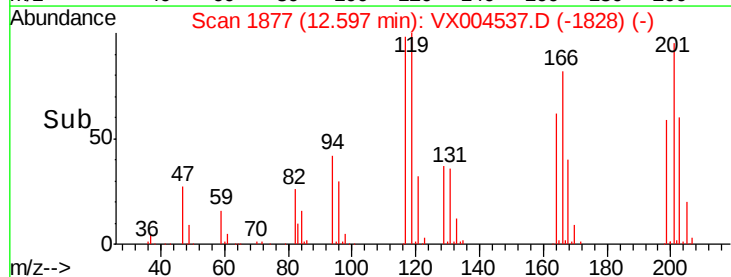
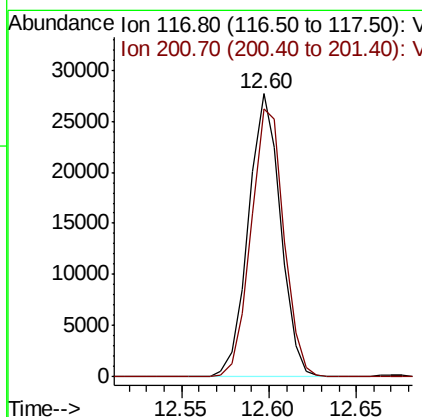
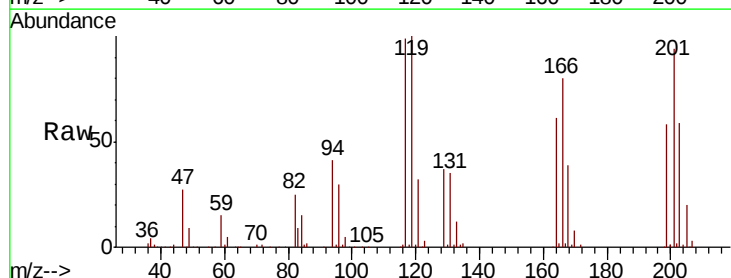
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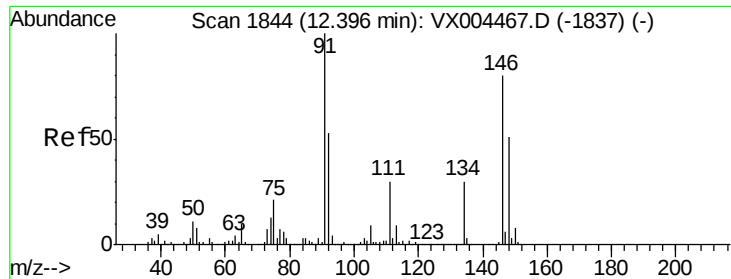
apatel
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#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.1	46.9	140.6





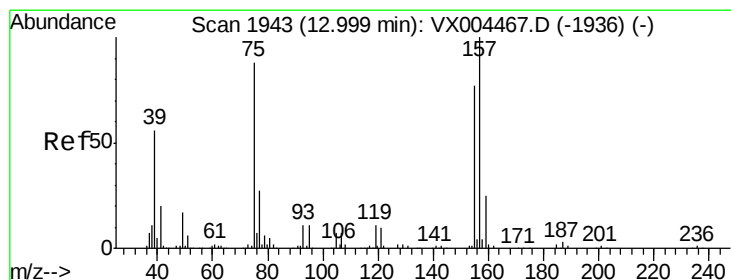
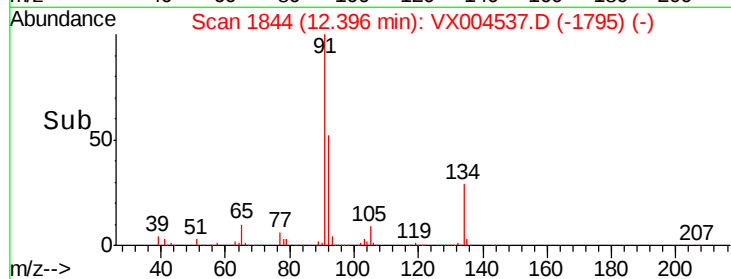
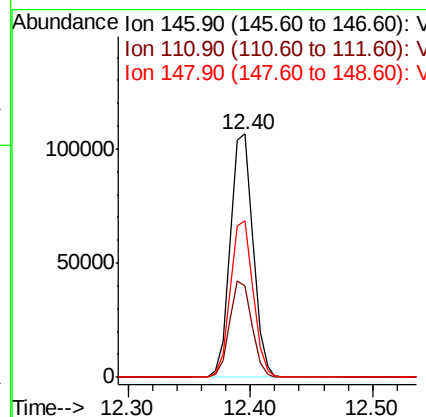
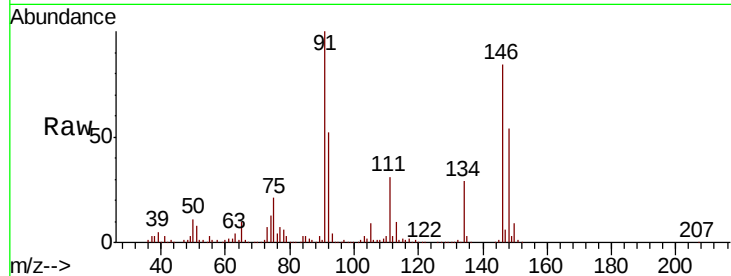
#91
 1,2-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	64.1	32.8	98.3

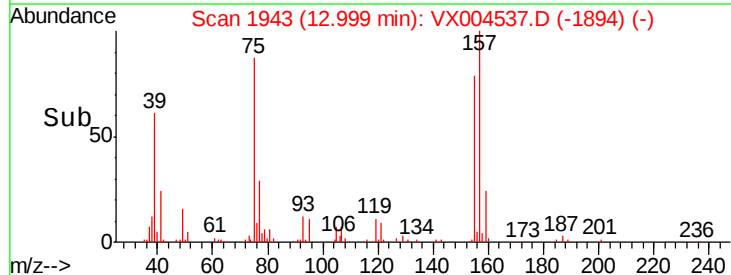
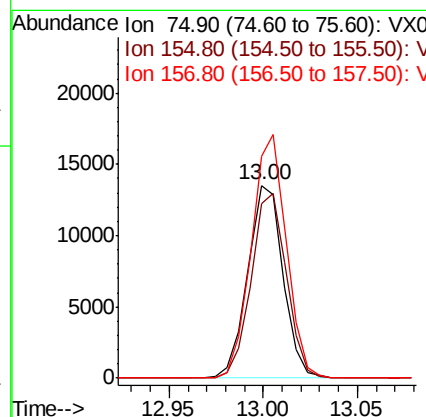
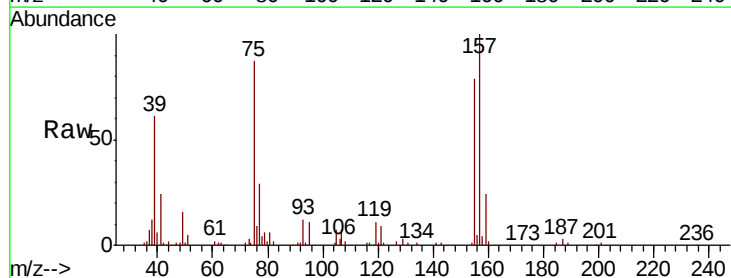
Manual Integrations
 APPROVED

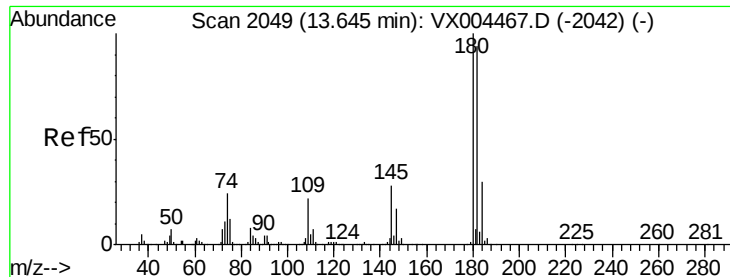
apatel
 9/18/2018 11:30:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.39 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.0	144.2
157	124.9	61.4	184.1





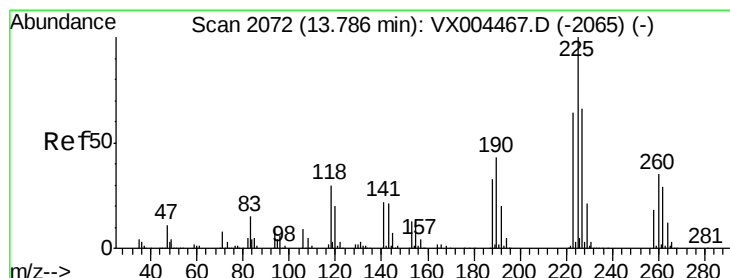
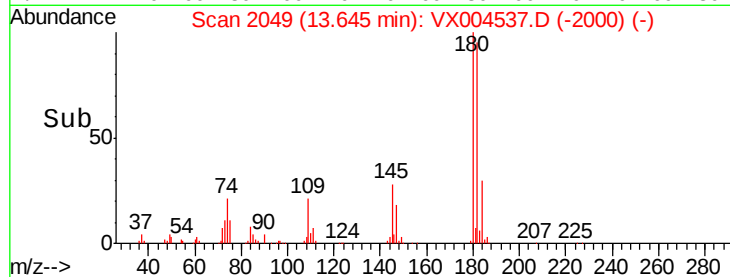
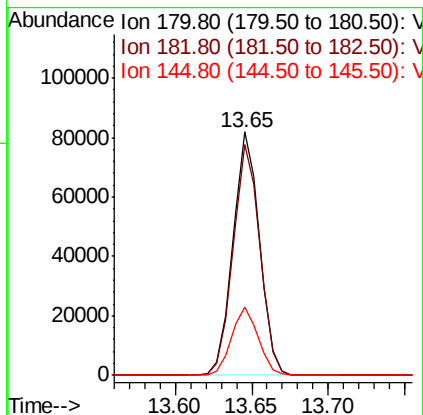
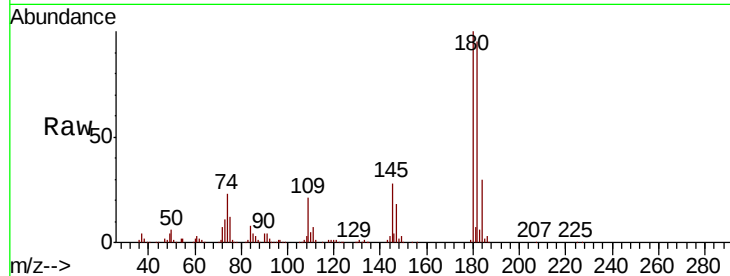
#93
 1,2,4-Trichlorobenzene
 Concen: 20.24 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914MBS01

Tot Ion:	180	Resp:	98217
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.4	145.0
145	28.1	14.3	42.9

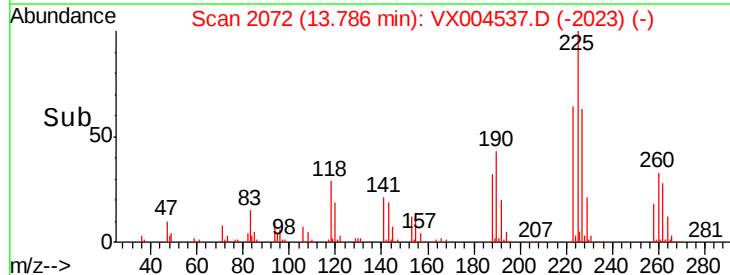
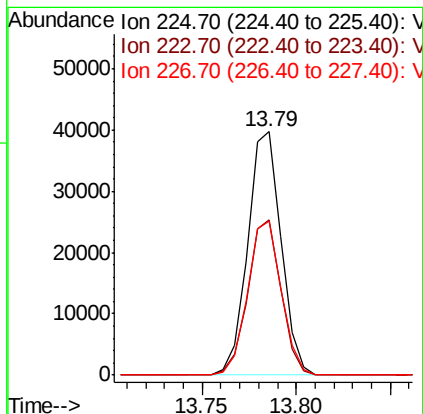
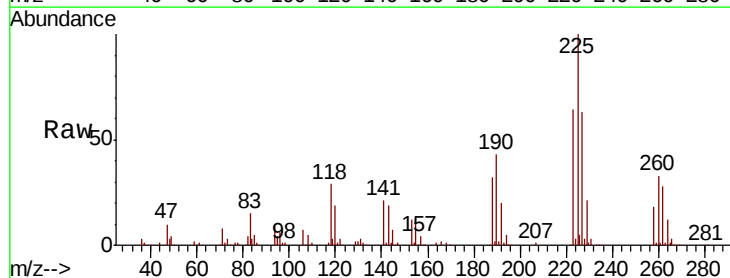
Manual Integrations
 APPROVED

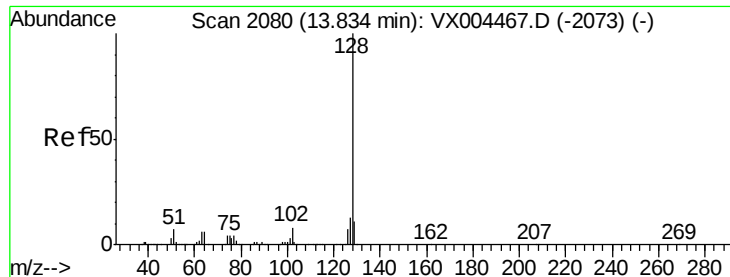
apatel
 9/18/2018 11:30:47 AM



#94
 Hexachlorobutadiene
 Concen: 19.24 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004537.D
 Acq: 14 Sep 2018 14:00

Tgt Ion:	225	Resp:	48761
Ion Ratio	Lower	Upper	
225	100		
223	63.3	30.1	90.5
227	63.8	30.8	92.4





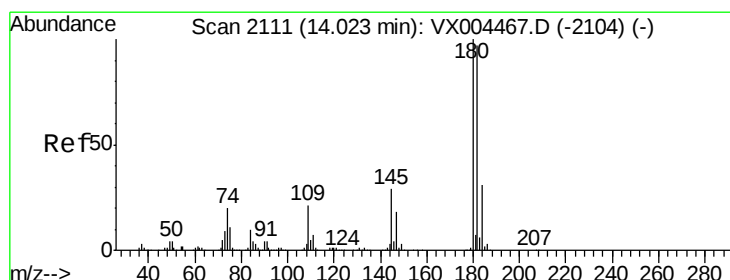
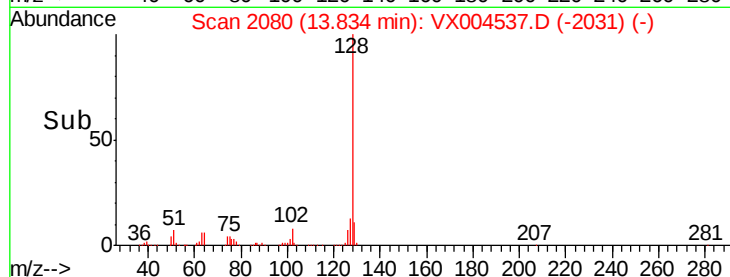
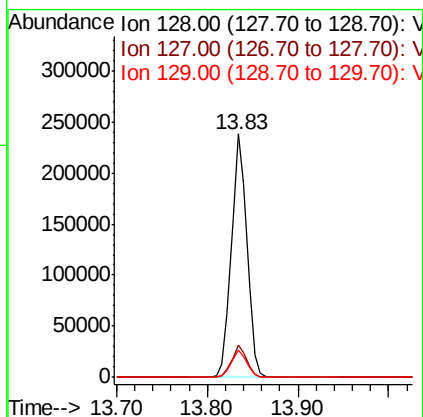
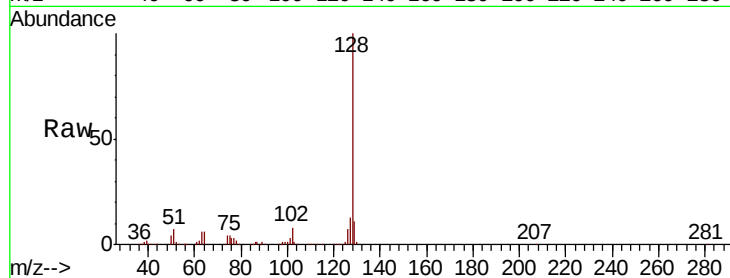
#95
Naphthalene
Concen: 20.92 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	284705		
127	12.8		10.2	15.2
129	11.1		8.6	12.8

Manual Integrations
APPROVED

apatel
9/18/2018 11:30:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.49 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004537.D
Acq: 14 Sep 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102127		
182	94.8		48.5	145.6
145	29.1		14.9	44.9

