

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012354.D
 Acq On : 12 Sep 2019 18:23
 Operator : SY/SP
 Sample : VX0912SBSD02
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD02

Quant Time: Sep 13 02:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	138338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116127	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	91135	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.48	113	70518	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	8.71	98	263631	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	11.14	95	112711	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	22020	19.469	ug/l	93
3) Chloromethane	1.31	50	20770	20.373	ug/l	92
4) Vinyl Chloride	1.39	62	21110	20.883	ug/l	98
5) Bromomethane	1.62	94	9558	20.605	ug/l	92
6) Chloroethane	1.70	64	13732	20.315	ug/l	96
7) Trichlorofluoromethane	1.91	101	36671	20.044	ug/l	97
8) Diethyl Ether	2.17	74	13473	21.582	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25796	20.921	ug/l	98
10) Methyl Iodide	2.50	142	16872	14.377	ug/l	98
11) Tert butyl alcohol	3.01	59	18652	83.664	ug/l #	74
12) 1,1-Dichloroethene	2.36	96	21962	20.980	ug/l	98
13) Acrolein	2.28	56	7523	73.582	ug/l	99
14) Allyl chloride	2.71	41	42050	19.703	ug/l	100
15) Acrylonitrile	3.12	53	41699	108.057	ug/l	99
16) Acetone	2.43	43	46206	99.796	ug/l	97
17) Carbon Disulfide	2.55	76	41452	18.857	ug/l	99
18) Methyl Acetate	2.76	43	20638	21.207	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	86364	20.892	ug/l	99
20) Methylene Chloride	2.84	84	34069	22.116	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25806	20.663	ug/l	95
22) Diisopropyl ether	3.84	45	101128	20.719	ug/l	90
23) Vinyl Acetate	3.80	43	310646	103.736	ug/l	99
24) 1,1-Dichloroethane	3.69	63	54440	20.823	ug/l	100
25) 2-Butanone	4.66	43	61876	104.541	ug/l	93
26) 2,2-Dichloropropane	4.57	77	48177	19.628	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	32989	20.460	ug/l	98
28) Bromochloromethane	5.00	49	22527	18.372	ug/l	98
29) Tetrahydrofuran	5.11	42	34951	109.446	ug/l	99
30) Chloroform	5.19	83	60177	20.412	ug/l	93
31) Cyclohexane	5.56	56	36208	19.938	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	50135	19.805	ug/l	98
36) 1,1-Dichloropropene	5.79	75	35846	20.132	ug/l	96
37) Ethyl Acetate	4.82	43	25547	23.211	ug/l	98
38) Carbon Tetrachloride	5.77	117	39726	19.017	ug/l	90

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 MSVOA_X
 ClientSampleID :
 VX0912SBSD02

Quant Time: Sep 13 02:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38525	19.716	ug/l	95
40) Benzene	6.13	78	112228	20.826	ug/l	99
41) Methacrylonitrile	5.03	41	14861	21.902	ug/l	96
42) 1,2-Dichloroethane	6.18	62	44949	21.104	ug/l	99
43) Isopropyl Acetate	6.43	43	47905	20.644	ug/l	99
44) Trichloroethene	7.20	130	30688	21.043	ug/l	93
45) 1,2-Dichloropropane	7.50	63	31923	21.401	ug/l	98
46) Dibromomethane	7.65	93	17885	21.939	ug/l	98
47) Bromodichloromethane	7.89	83	44416	19.965	ug/l	97
48) Methyl methacrylate	7.76	41	22994	20.702	ug/l	100
49) 1,4-Dioxane	7.74	88	5858	390.847	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	129156	105.459	ug/l	99
52) Toluene	8.78	92	74646	20.971	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	43685	19.673	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	49057	19.923	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27202	21.538	ug/l	97
56) Ethyl methacrylate	9.17	69	35204	20.586	ug/l	100
57) 1,3-Dichloropropane	9.37	76	46387	21.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	84244	96.118	ug/l	99
59) 2-Hexanone	9.49	43	91368	107.296	ug/l	100
60) Dibromochloromethane	9.57	129	29735	20.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	25473	21.667	ug/l	99
64) Tetrachloroethene	9.33	164	26279	21.828	ug/l	95
65) Chlorobenzene	10.14	112	87601	21.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	32438	20.688	ug/l	100
67) Ethyl Benzene	10.25	91	150883	20.396	ug/l	100
68) m/p-Xylenes	10.36	106	112640	41.363	ug/l	99
69) o-Xylene	10.70	106	54343	20.371	ug/l	99
70) Styrene	10.71	104	96239	20.341	ug/l	99
71) Bromoform	10.86	173	15848	19.491	ug/l #	98
73) Isopropylbenzene	11.01	105	148474	19.421	ug/l	99
74) N-amyl acetate	10.89	43	43872	19.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34847	21.224	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	35348	23.694	ug/l	90
77) Bromobenzene	11.25	156	36131	20.527	ug/l	97
78) n-propylbenzene	11.35	91	181491	19.659	ug/l	100
79) 2-Chlorotoluene	11.42	91	110838	19.378	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	135374	19.691	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8875	17.825	ug/l	96
82) 4-Chlorotoluene	11.51	91	136129	19.804	ug/l	100
83) tert-Butylbenzene	11.76	119	132708	19.879	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	139999	19.698	ug/l	98
85) sec-Butylbenzene	11.94	105	155923	19.575	ug/l	99
86) p-Isopropyltoluene	12.06	119	145888	19.822	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	72526	20.227	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	74701	20.604	ug/l	99
89) n-Butylbenzene	12.39	91	140710	19.506	ug/l	99
90) Hexachloroethane	12.59	117	24541	18.103	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	67728	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6390	19.067	ug/l	96

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

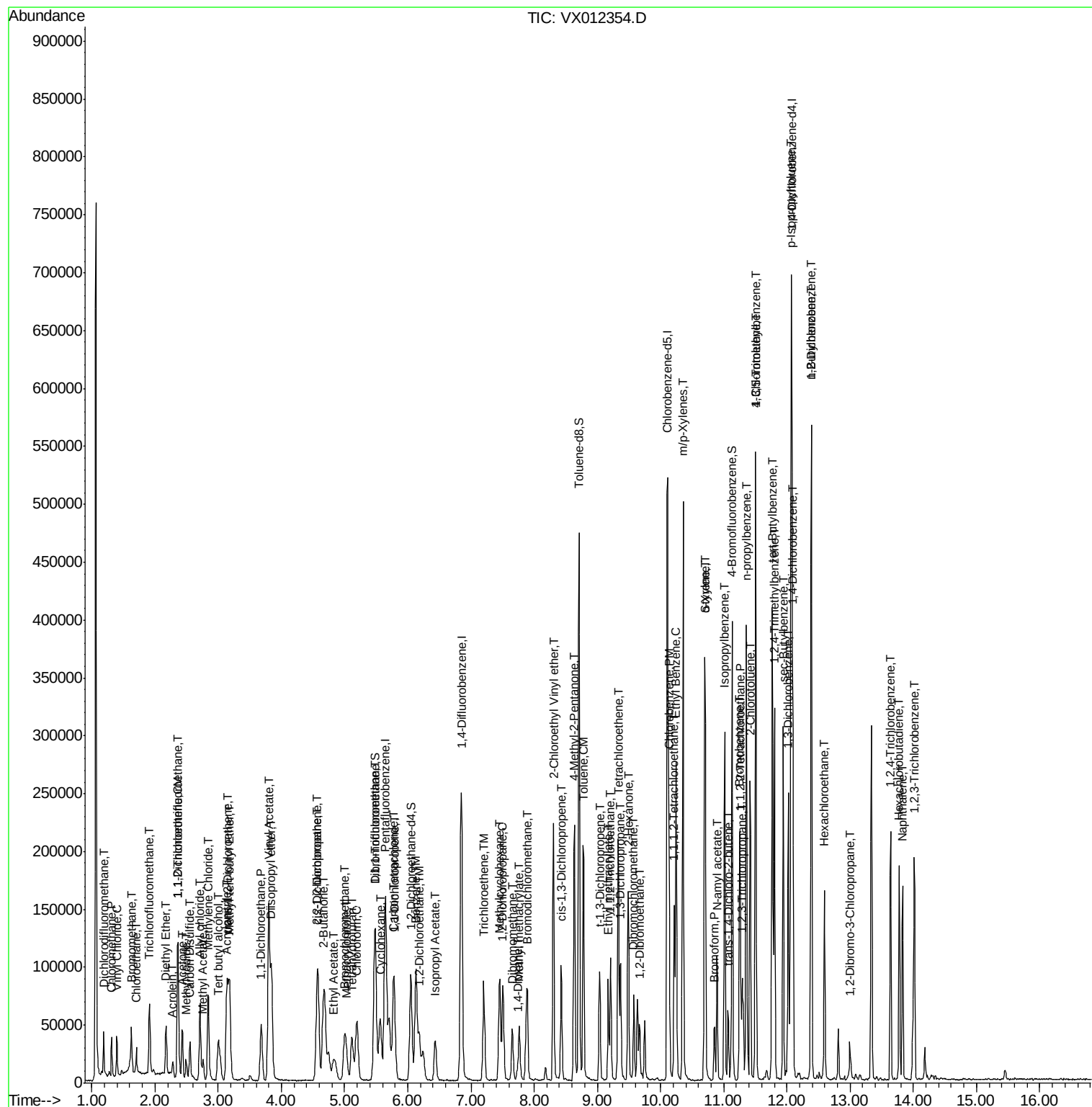
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44599	19.471	ug/l	98
94) Hexachlorobutadiene	13.78	225	24005	21.067	ug/l	97
95) Naphthalene	13.83	128	95950	19.520	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	40213	19.842	ug/l	99

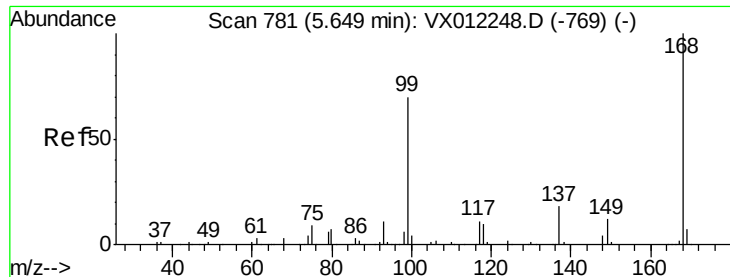
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

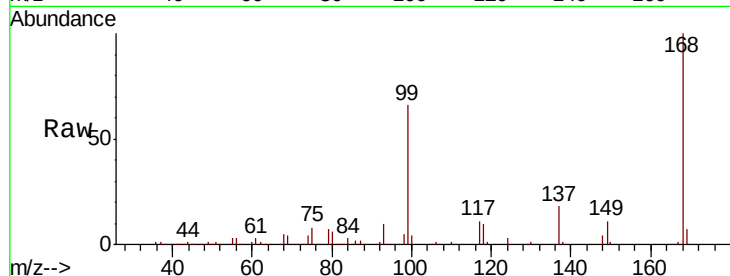
VX0912SBSD02

Tgt Ion:168 Resp: 138338

Ion Ratio Lower Upper

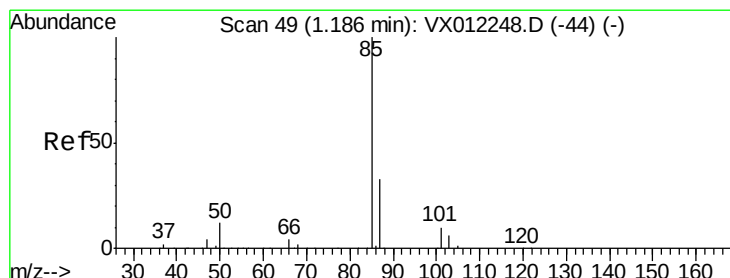
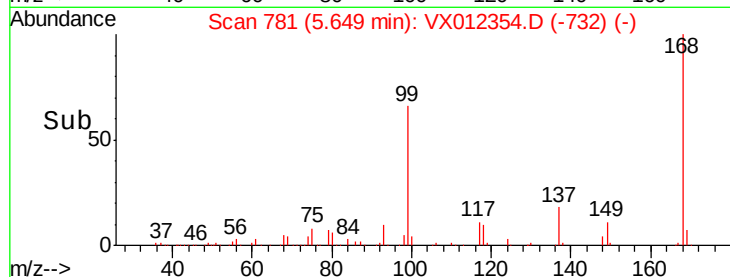
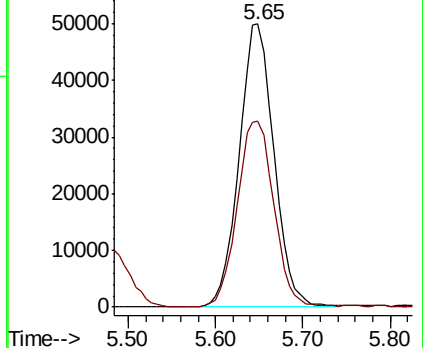
168 100

99 65.9 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.469 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012354.D

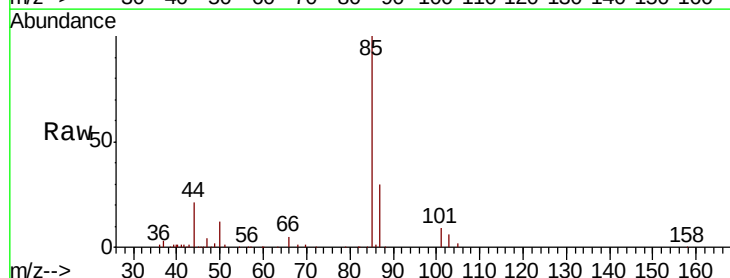
Acq: 12 Sep 2019 18:23

Tgt Ion: 85 Resp: 22020

Ion Ratio Lower Upper

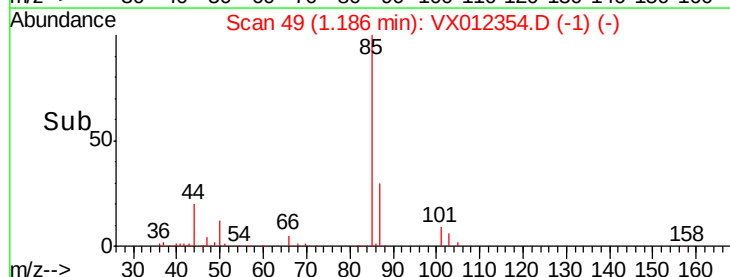
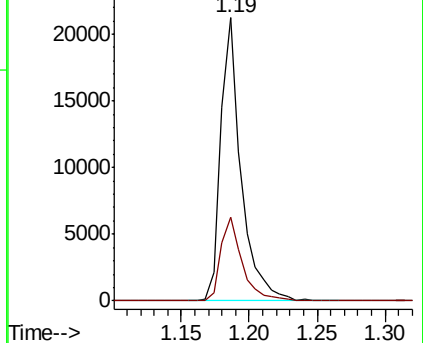
85 100

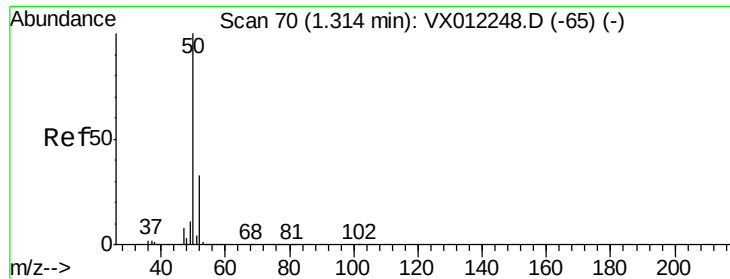
87 29.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.373 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

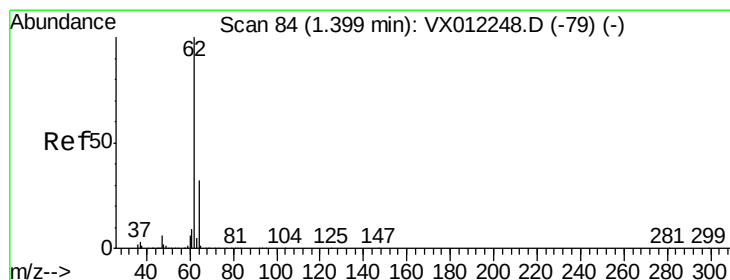
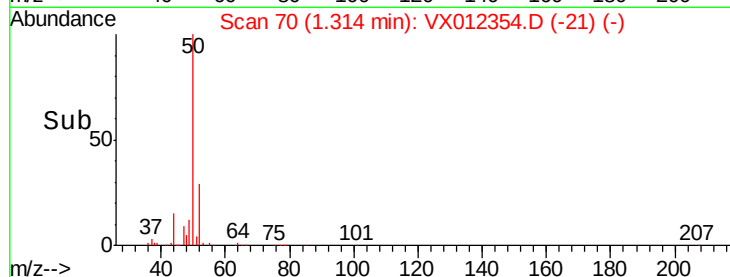
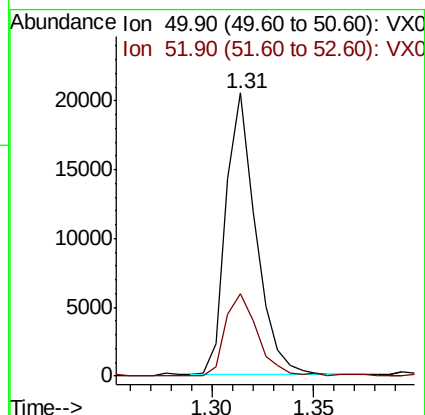
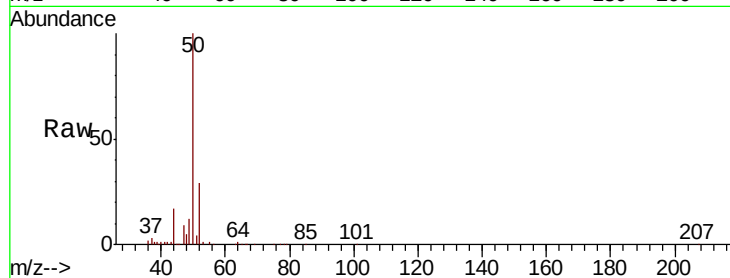
VX0912SBS02

Tgt Ion: 50 Resp: 20770

Ion Ratio Lower Upper

50 100

52 29.0 26.7 40.1



#4

Vinyl Chloride

Concen: 20.883 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012354.D

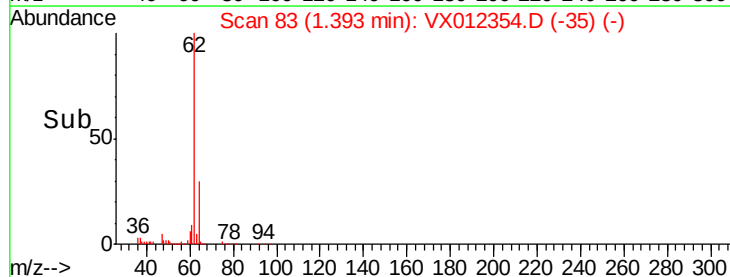
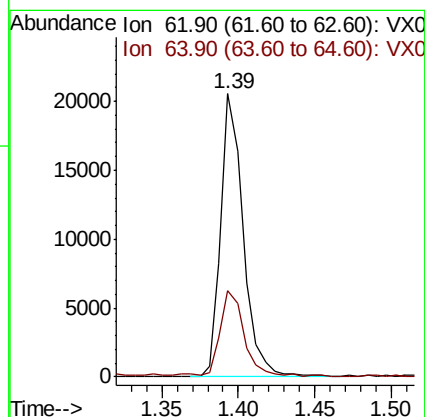
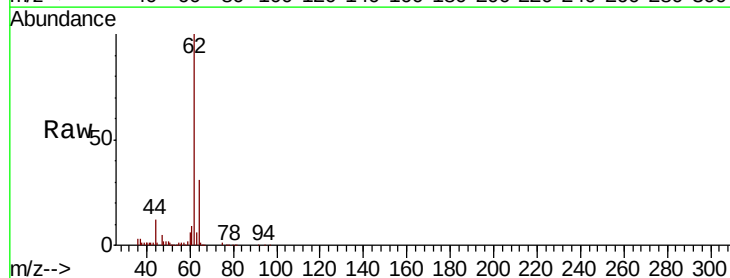
Acq: 12 Sep 2019 18:23

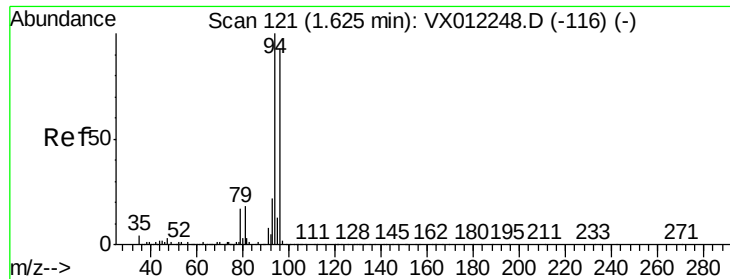
Tgt Ion: 62 Resp: 21110

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 20.605 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

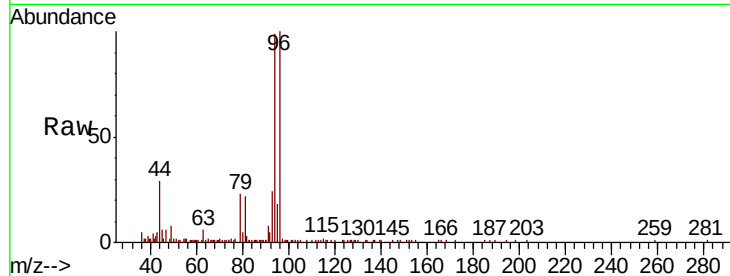
VX0912SBSD02

Tgt Ion: 94 Resp: 9558

Ion Ratio Lower Upper

94 100

96 100.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

10000

8000

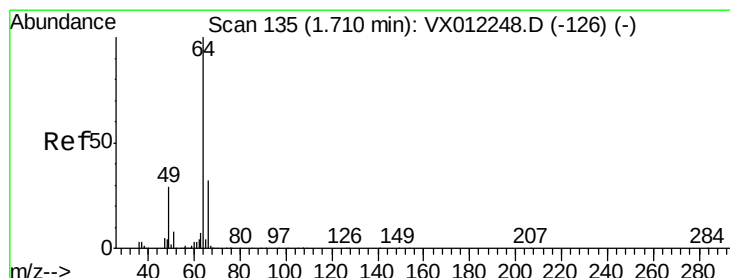
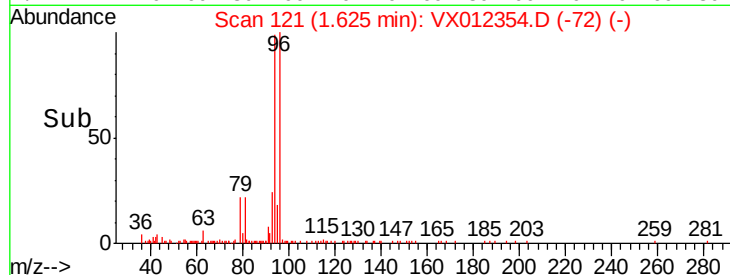
6000

4000

2000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.315 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012354.D

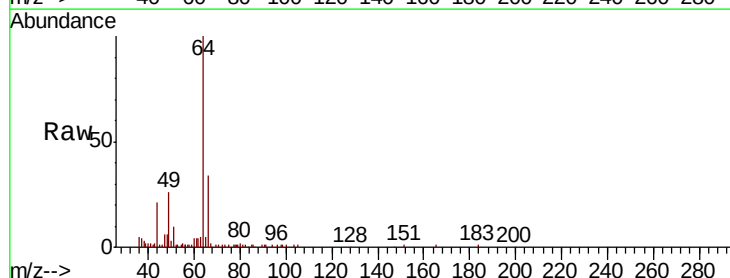
Acq: 12 Sep 2019 18:23

Tgt Ion: 64 Resp: 13732

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

12000

10000

8000

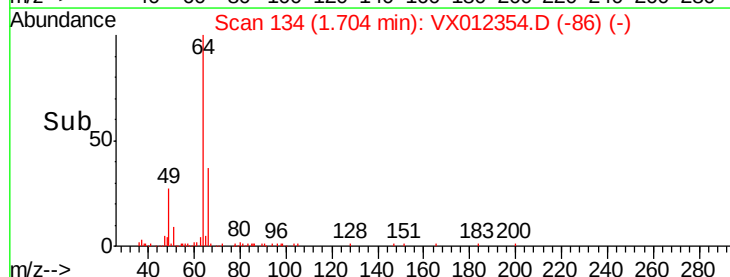
6000

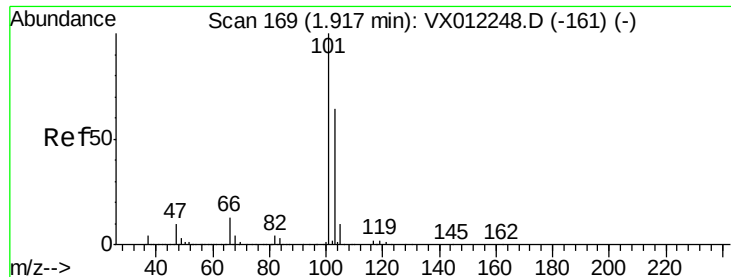
4000

2000

0

Time--> 1.65 1.70 1.75 1.80



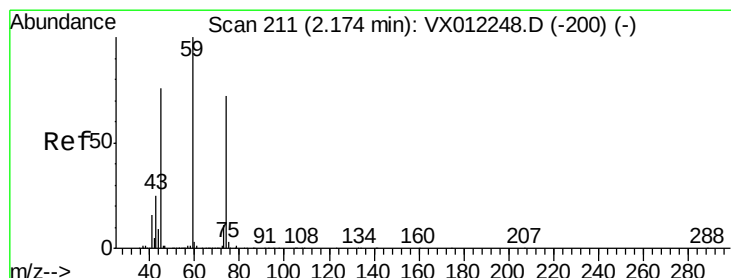
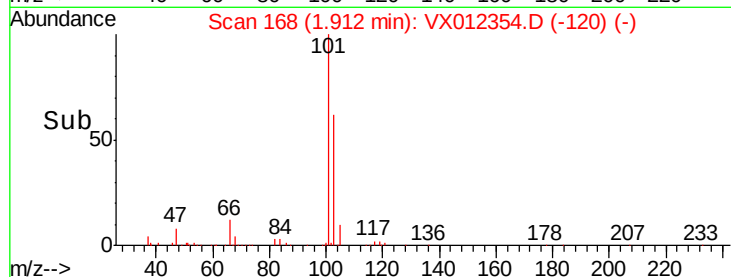
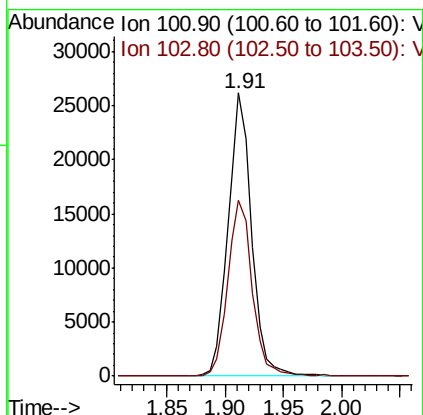
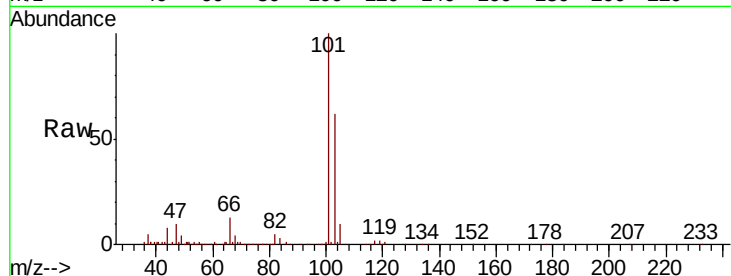


#7

Trichlorofluoromethane
 Concen: 20.044 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

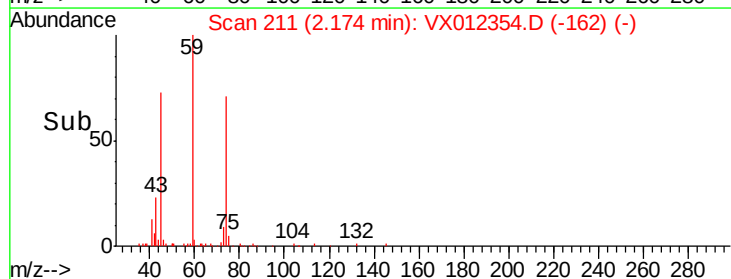
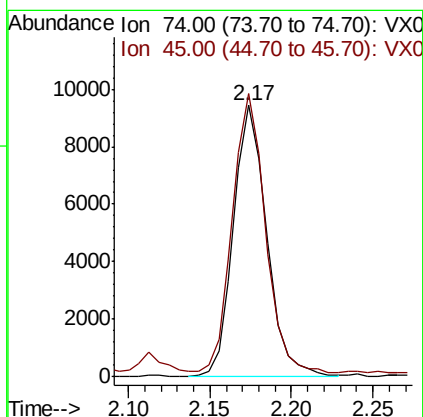
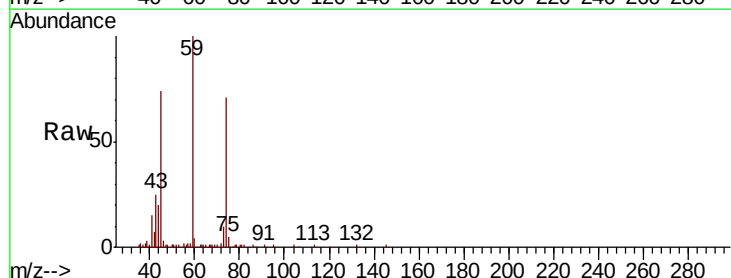
Tgt Ion: 101 Resp: 36671
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.4 77.2

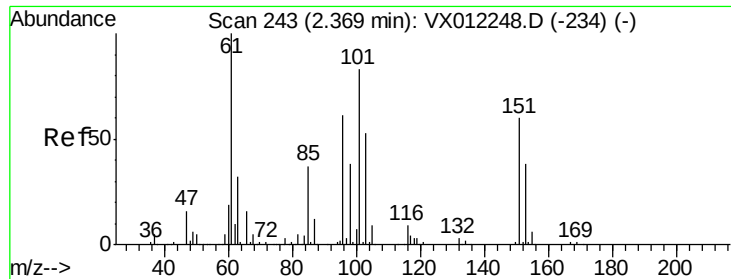


#8

Diethyl Ether
 Concen: 21.582 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 74 Resp: 13473
 Ion Ratio Lower Upper
 74 100
 45 101.4 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.921 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

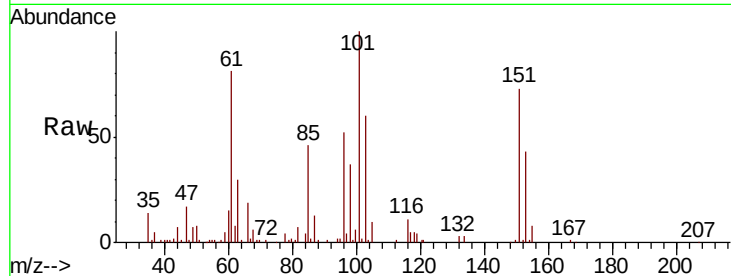
Tgt Ion:101 Resp: 25796

Ion Ratio Lower Upper

101 100

85 46.5 37.0 55.6

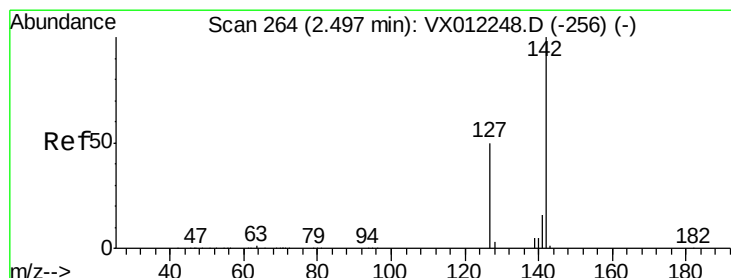
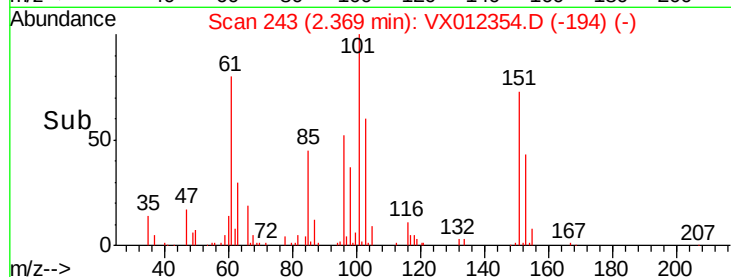
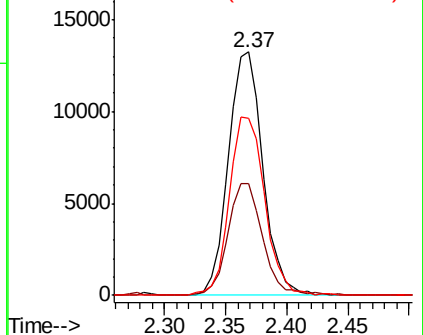
151 75.1 58.6 87.8



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: 14.377 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

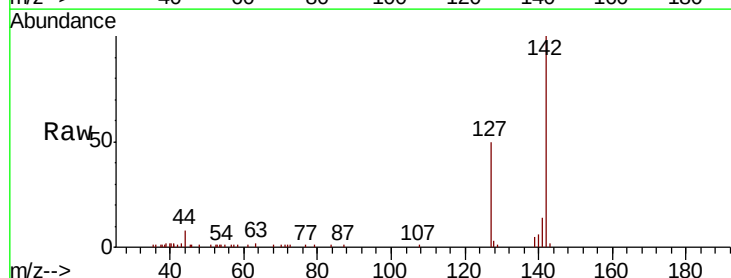
Tgt Ion:142 Resp: 16872

Ion Ratio Lower Upper

142 100

127 52.5 40.6 61.0

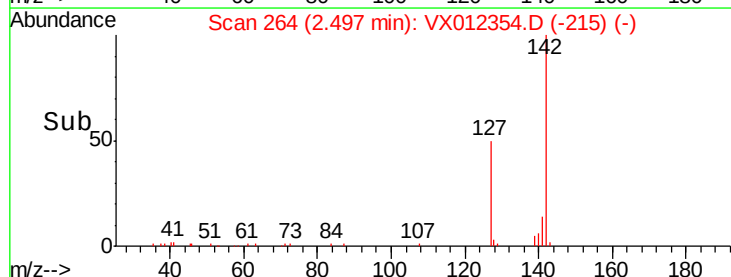
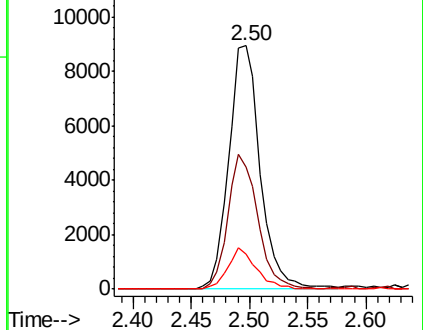
141 15.4 12.0 18.0

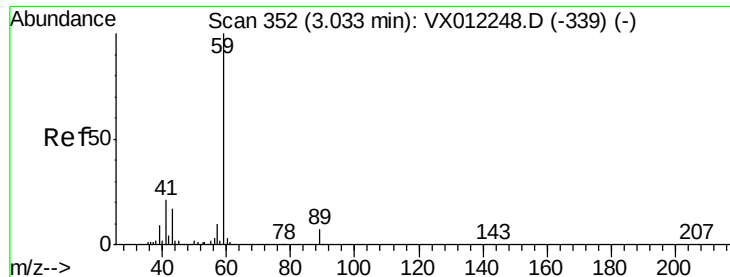


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

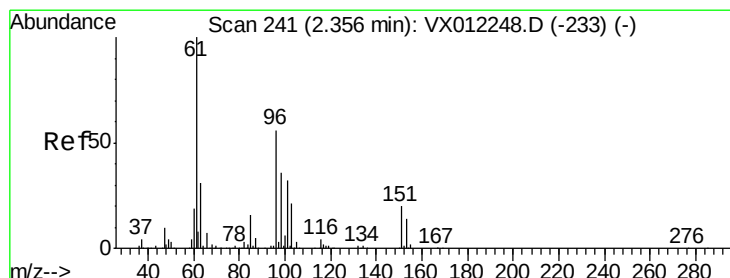
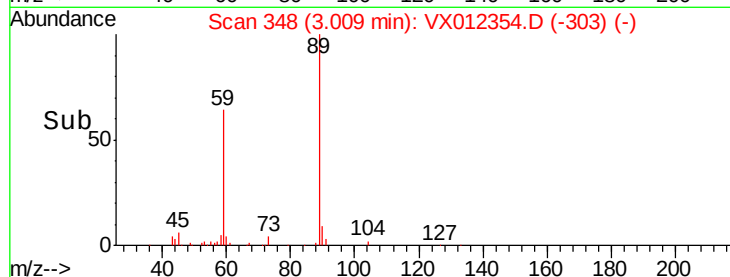
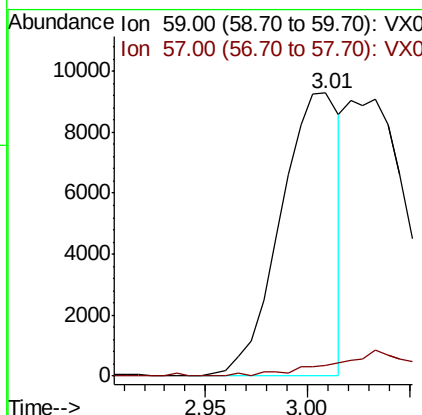
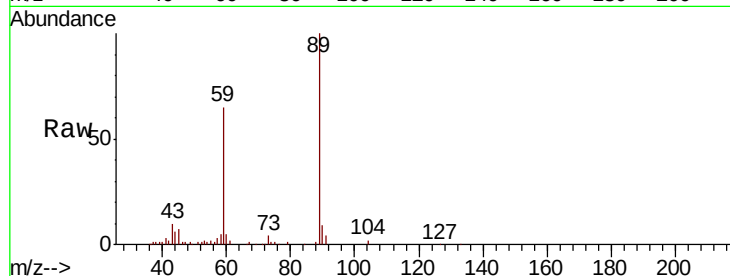




#11
Tert butyl alcohol
Concen: 83.664 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

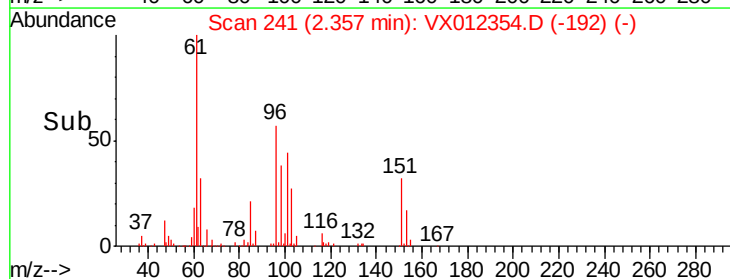
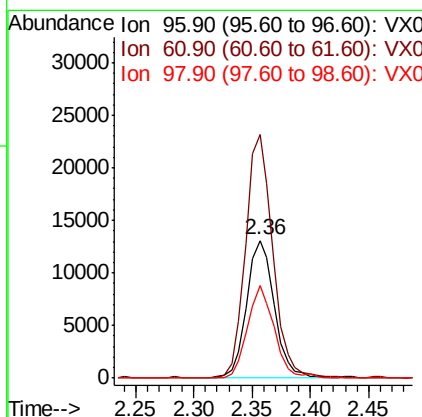
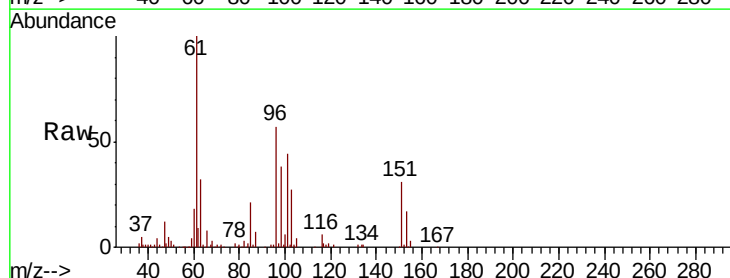
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

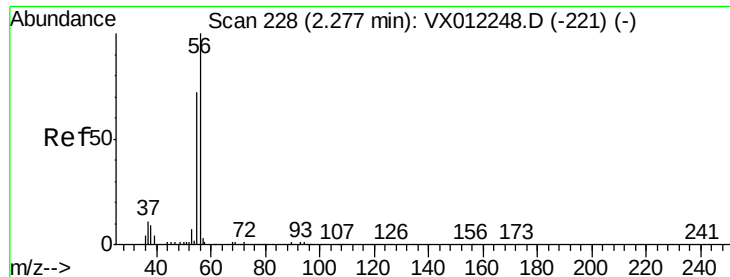
Tgt Ion: 59 Resp: 18652
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 20.980 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 96 Resp: 21962
Ion Ratio Lower Upper
96 100
61 176.8 142.2 213.2
98 67.7 51.3 76.9





#13

Acrolein

Concen: 73.582 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

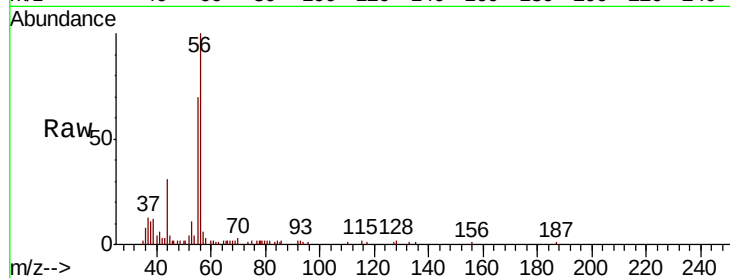
VX0912SBS02

Tgt Ion: 56 Resp: 7523

Ion Ratio Lower Upper

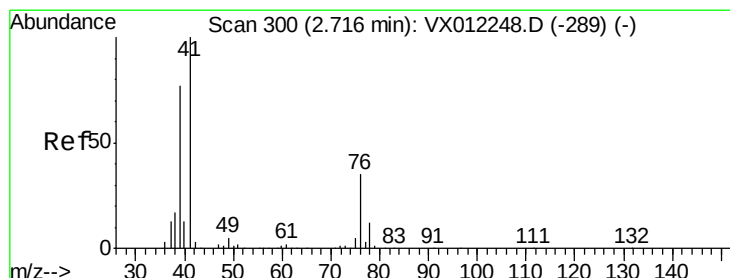
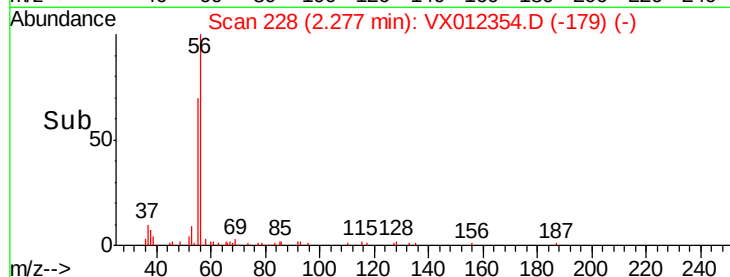
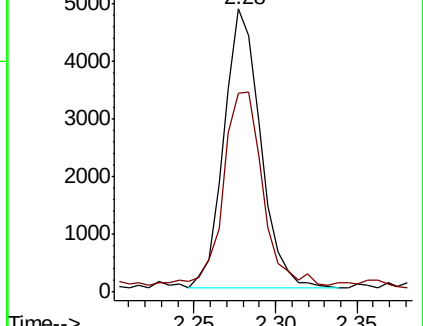
56 100

55 75.6 59.8 89.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.703 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

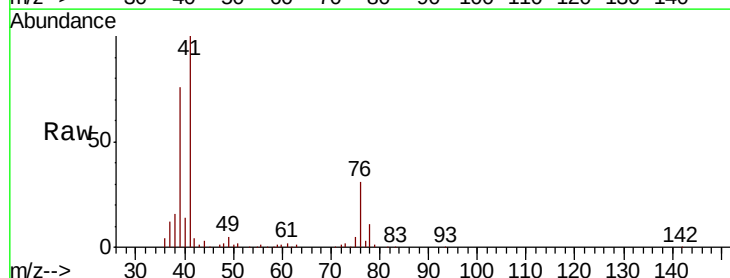
Tgt Ion: 41 Resp: 42050

Ion Ratio Lower Upper

41 100

39 72.8 58.6 87.8

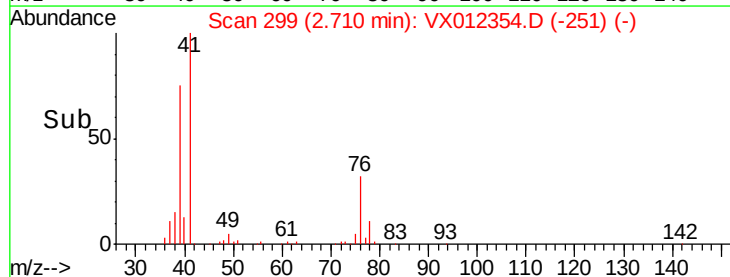
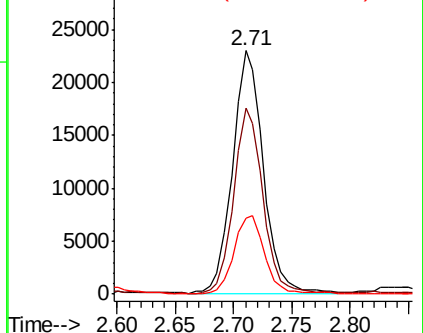
76 33.1 26.3 39.5

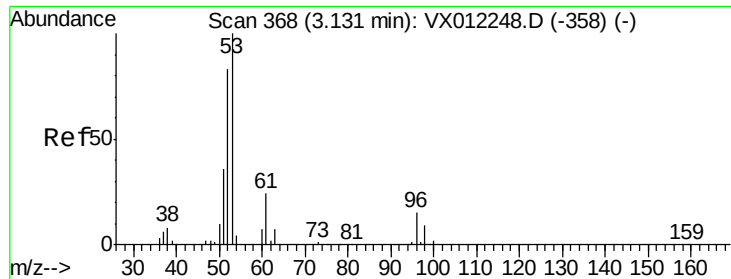


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 108.057 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBSD02

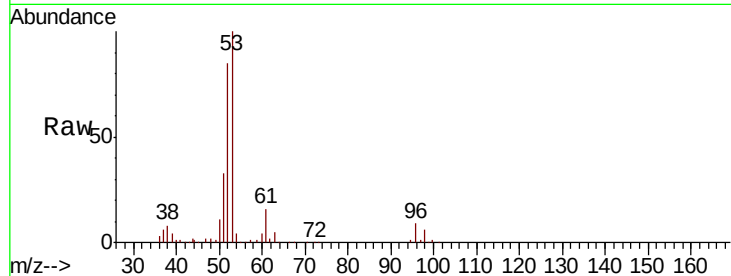
Tgt Ion: 53 Resp: 41699

Ion Ratio Lower Upper

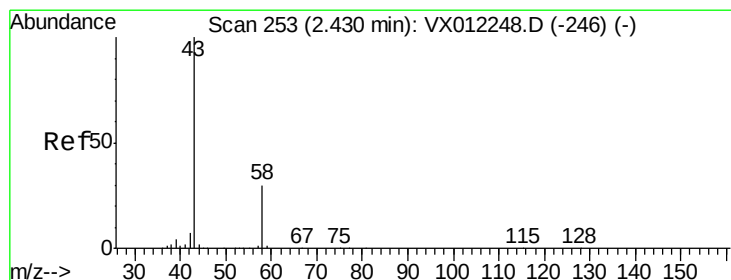
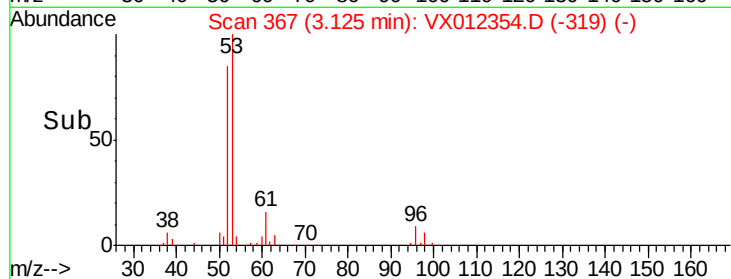
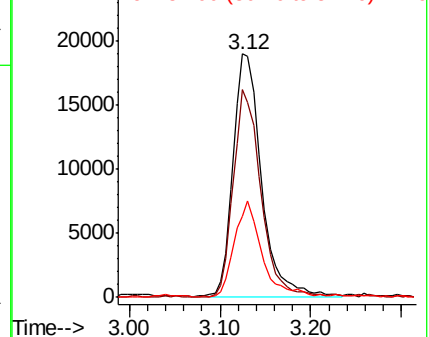
53 100

52 82.3 66.8 100.2

51 38.4 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 99.796 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012354.D

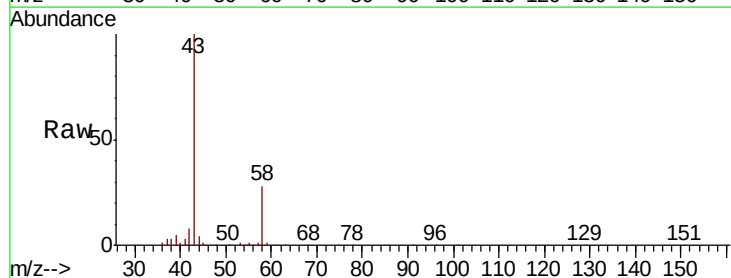
Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 46206

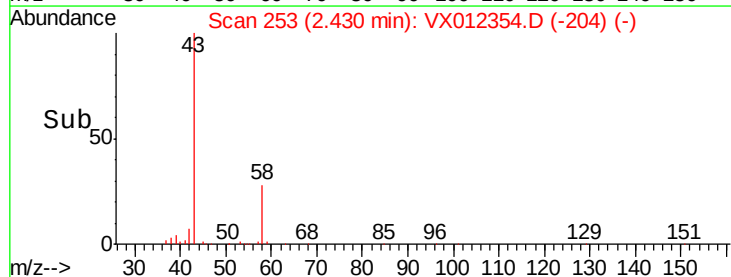
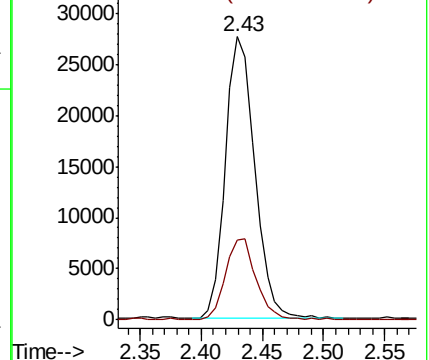
Ion Ratio Lower Upper

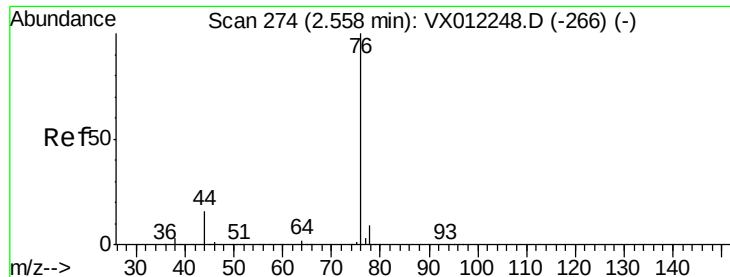
43 100

58 28.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.857 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

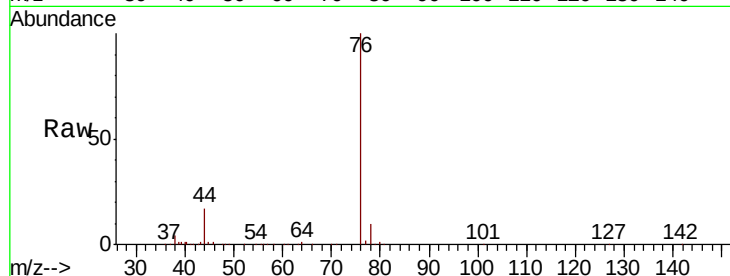
VX0912SBSD02

Tgt Ion: 76 Resp: 41452

Ion Ratio Lower Upper

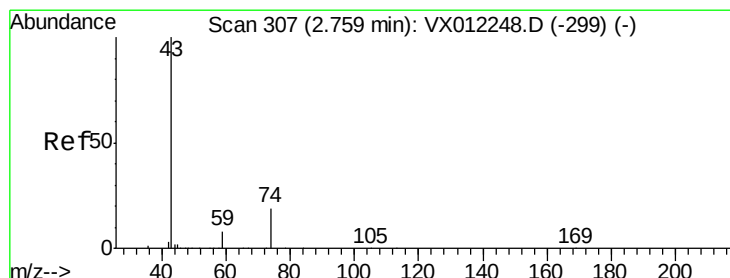
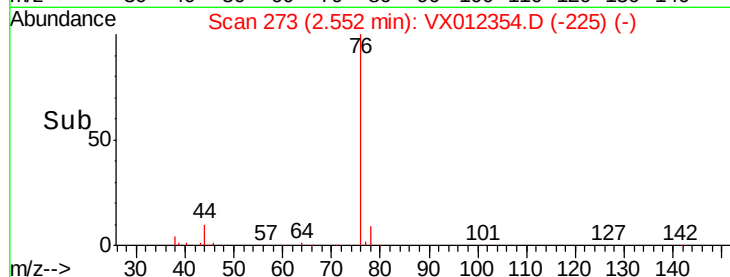
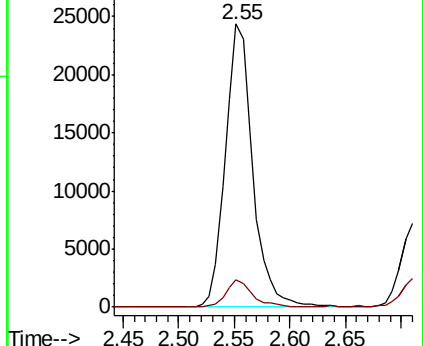
76 100

78 9.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.207 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012354.D

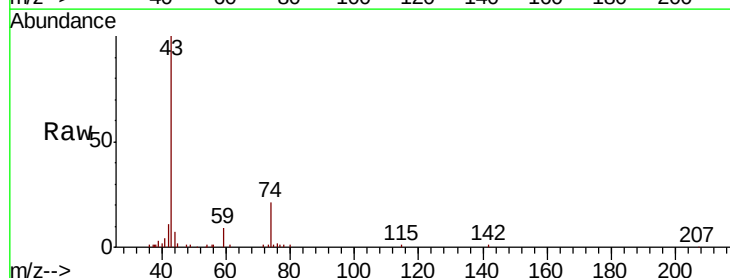
Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 20638

Ion Ratio Lower Upper

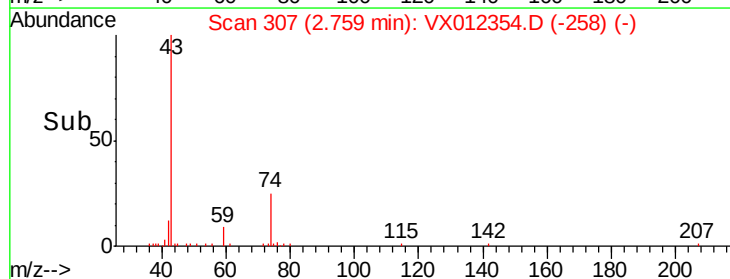
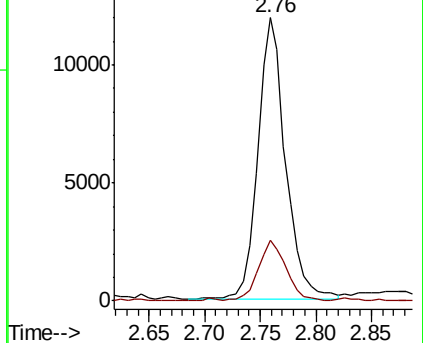
43 100

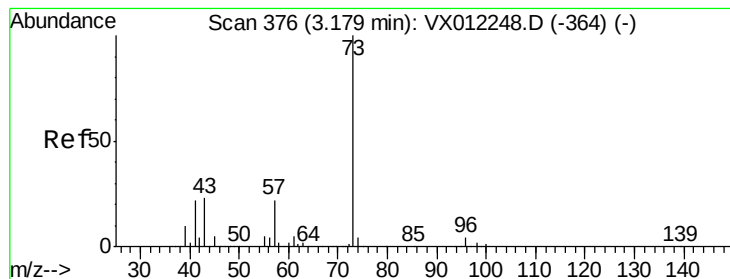
74 21.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



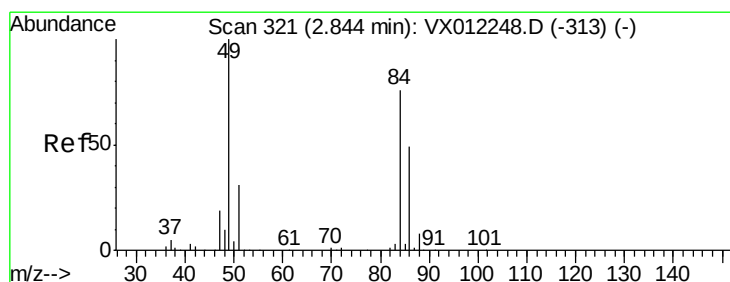
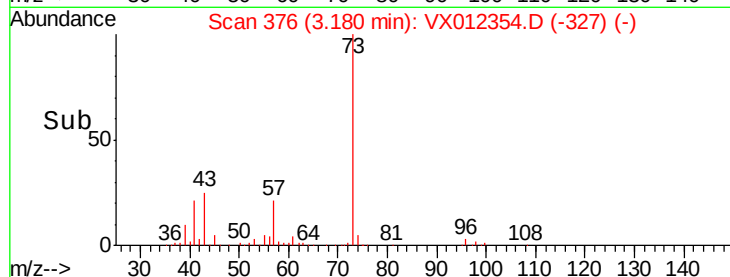
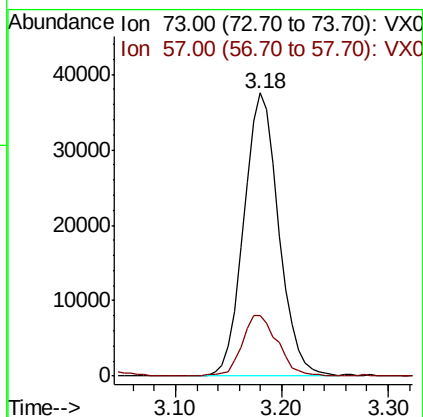
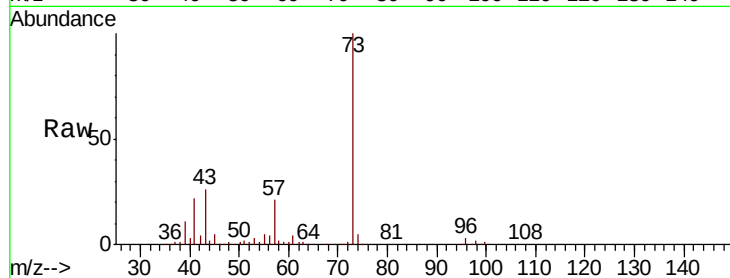


#19

Methyl tert-butyl Ether
 Concen: 20.892 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

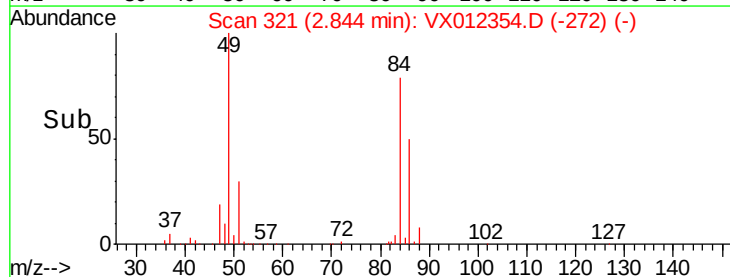
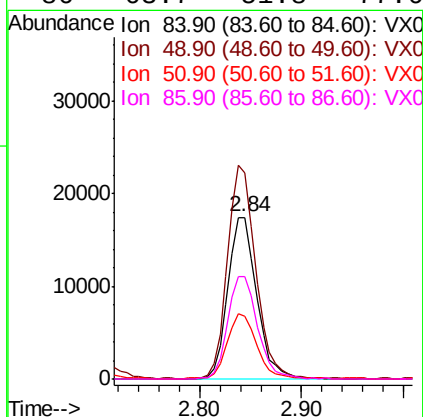
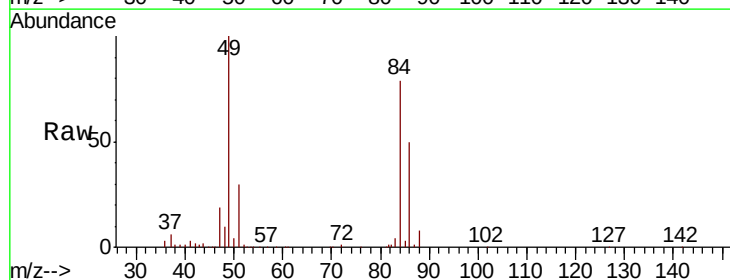
Tgt Ion: 73 Resp: 86364
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.7 26.5

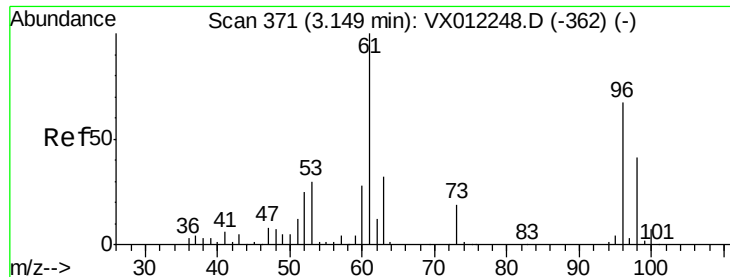


#20

Methylene Chloride
 Concen: 22.116 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 84 Resp: 34069
 Ion Ratio Lower Upper
 84 100
 49 126.8 105.0 157.6
 51 38.2 32.6 48.8
 86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.663 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

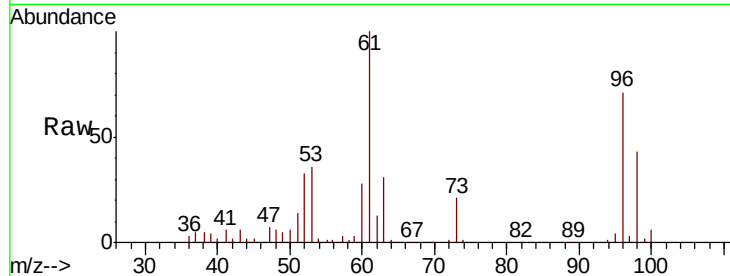
Tgt Ion: 96 Resp: 25806

Ion Ratio Lower Upper

96 100

61 141.8 119.4 179.2

98 61.6 48.4 72.6

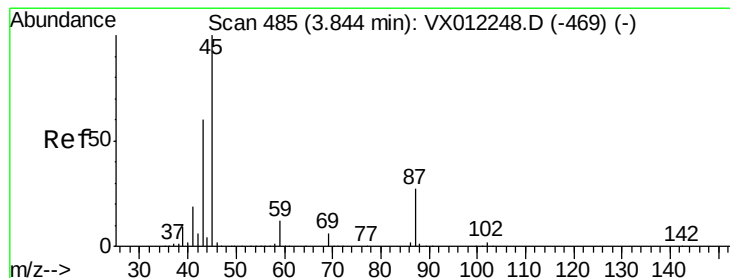
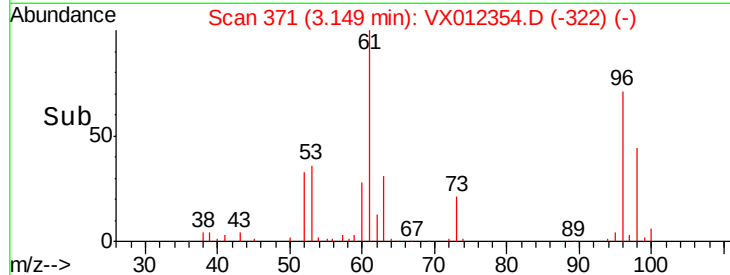
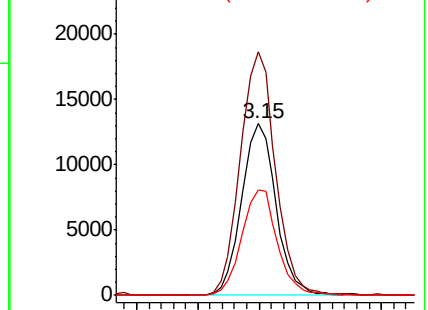


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.719 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion: 45 Resp: 101128

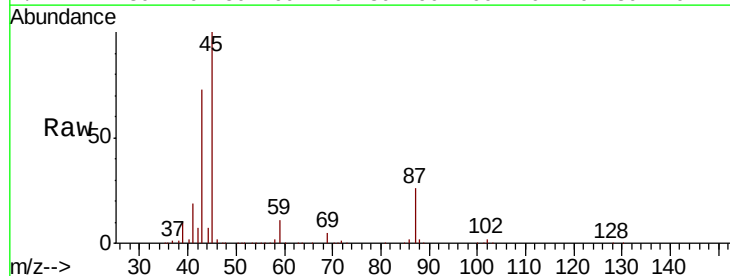
Ion Ratio Lower Upper

45 100

43 72.0 48.3 72.5

87 26.3 21.8 32.8

59 11.1 9.1 13.7



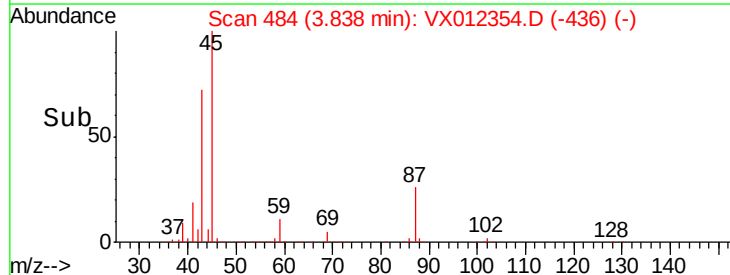
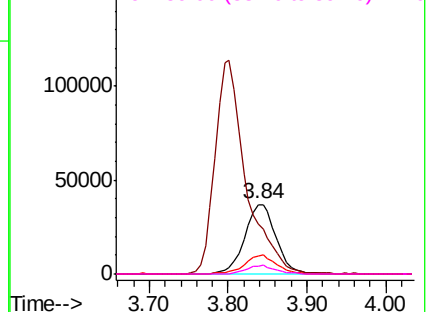
Abundance

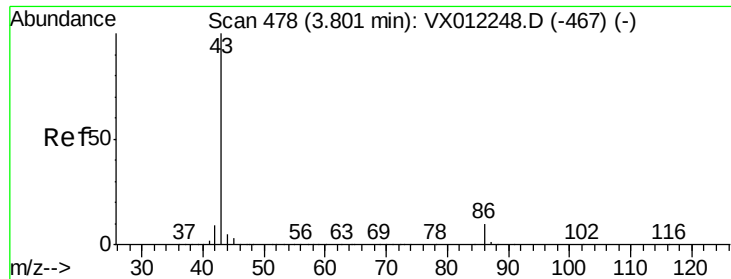
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 103.736 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

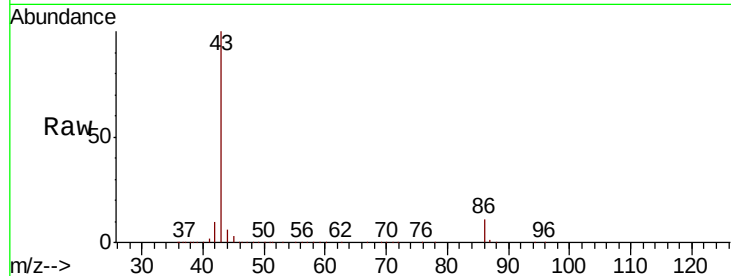
VX0912SBSD02

Tgt Ion: 43 Resp: 310646

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

120000

100000

80000

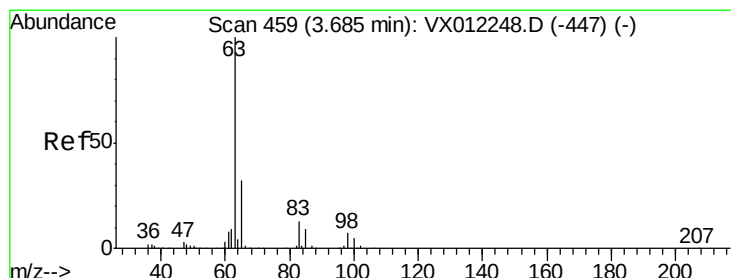
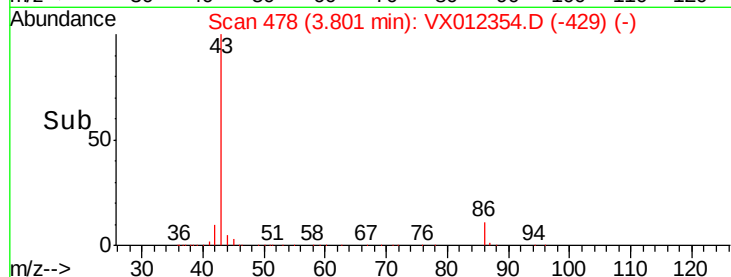
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.823 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

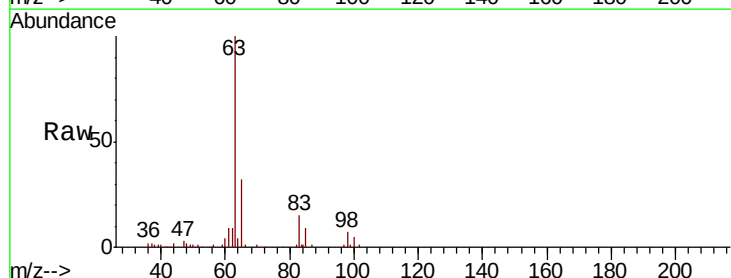
Tgt Ion: 63 Resp: 54440

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.7 2.4 7.2



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

3.69

30000

25000

20000

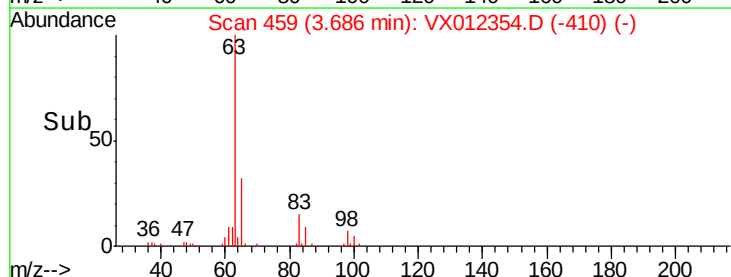
15000

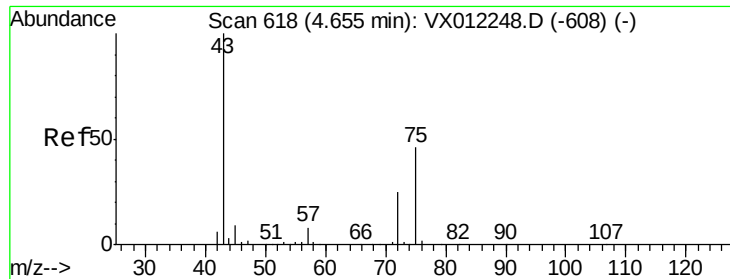
10000

5000

0

Time-->





#25

2-Butanone

Concen: 104.541 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

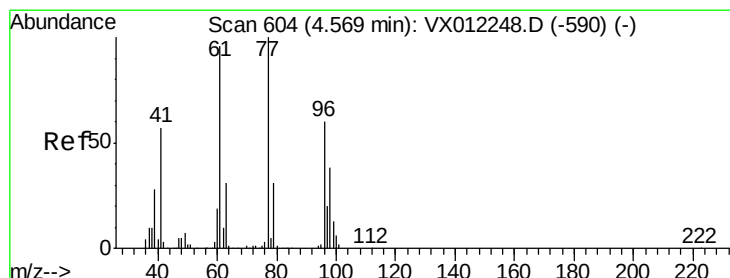
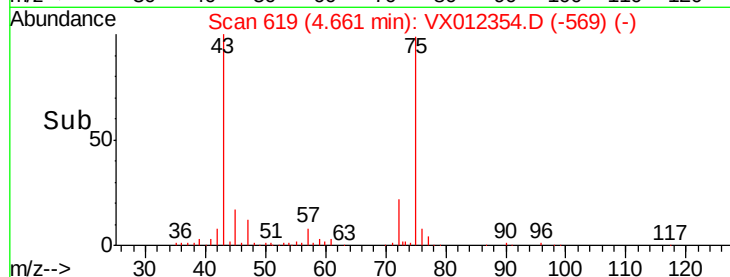
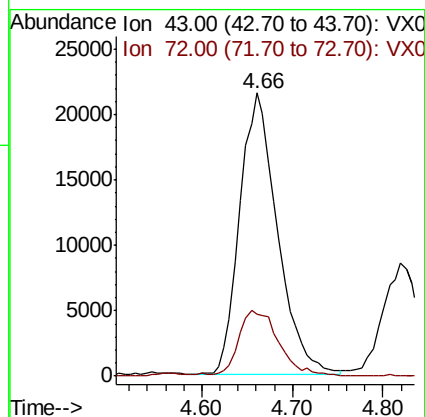
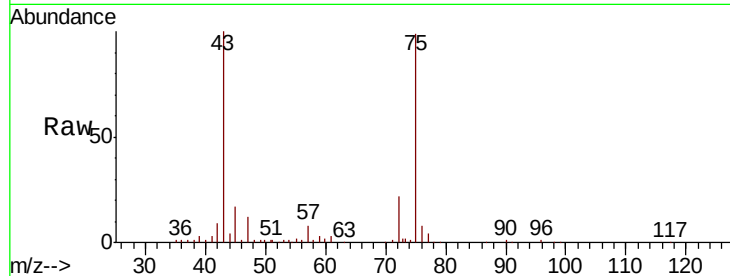
VX0912SBS02

Tgt Ion: 43 Resp: 61876

Ion Ratio Lower Upper

43 100

72 21.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.628 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012354.D

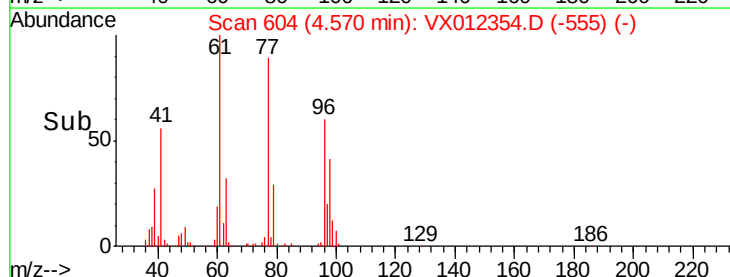
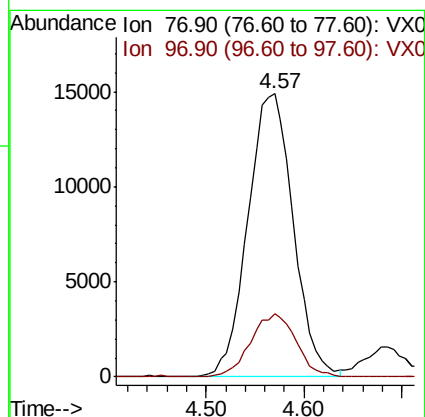
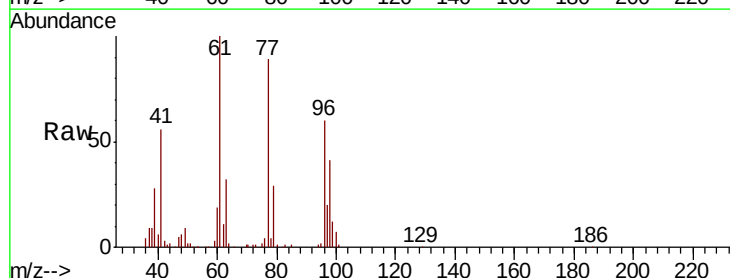
Acq: 12 Sep 2019 18:23

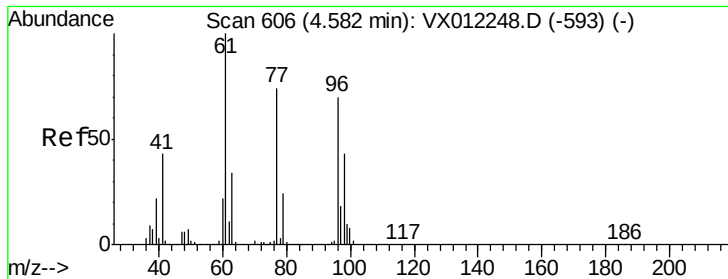
Tgt Ion: 77 Resp: 48177

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1



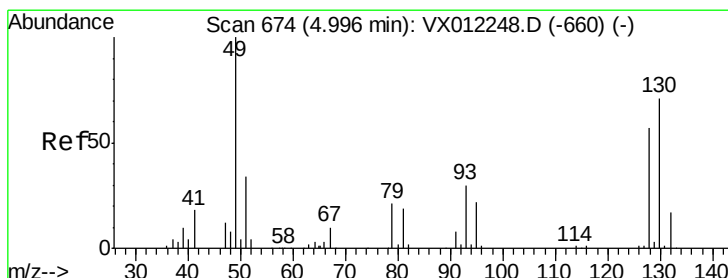
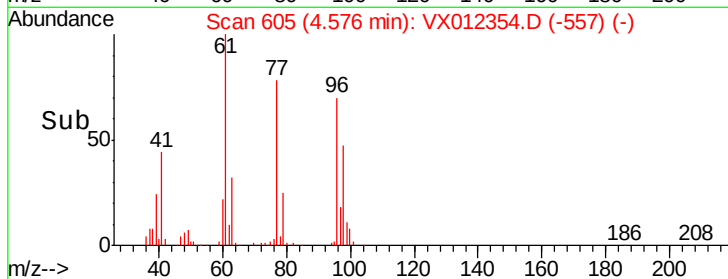
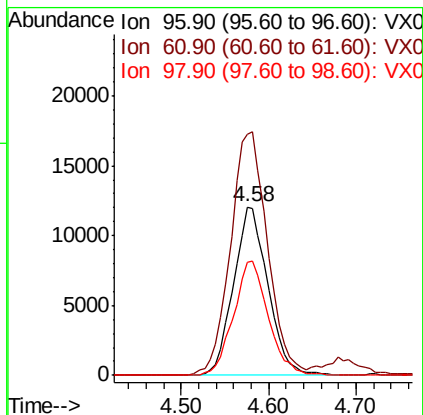
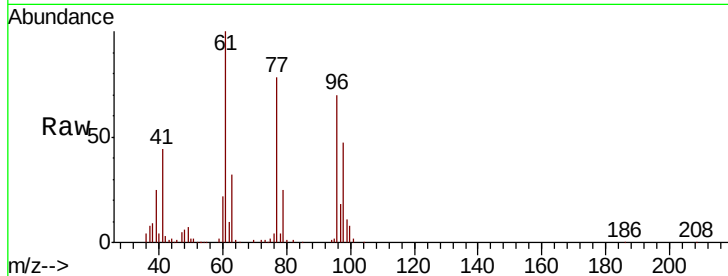


#27

cis-1,2-Dichloroethene
Concen: 20.460 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

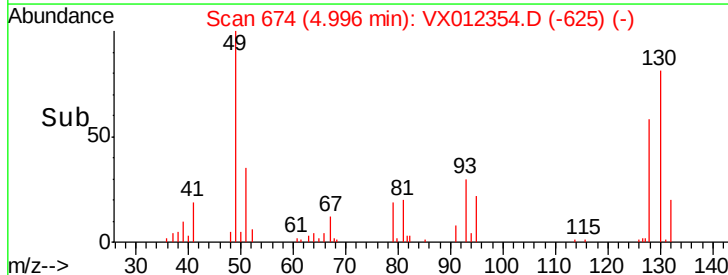
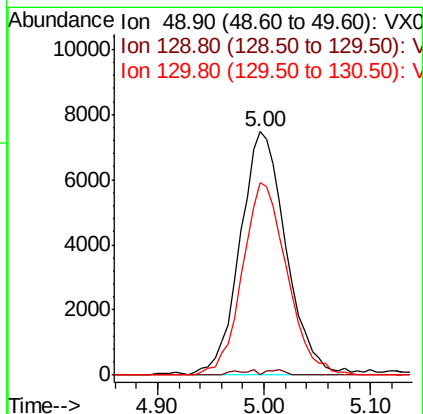
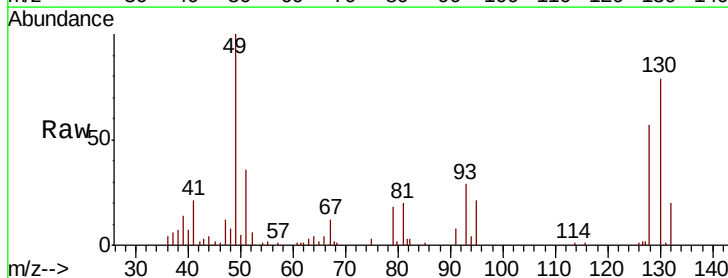
Tgt Ion: 96 Resp: 32989
Ion Ratio Lower Upper
96 100
61 155.2 0.0 310.4
98 68.4 0.0 128.8

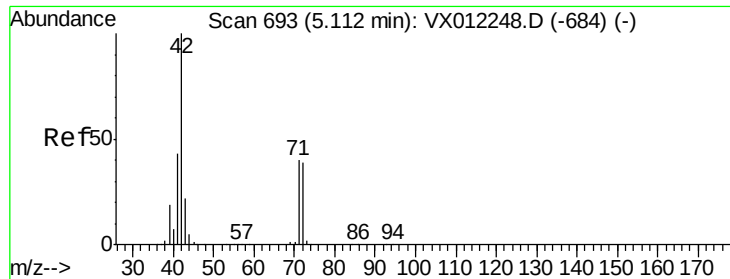


#28

Bromochloromethane
Concen: 18.372 ug/l
RT: 5.00 min Scan# 674
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 49 Resp: 22527
Ion Ratio Lower Upper
49 100
129 0.9 0.0 5.2
130 77.0 60.1 90.1





#29

Tetrahydrofuran

Concen: 109.446 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

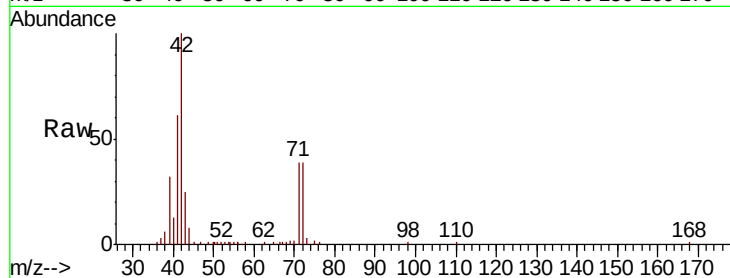
Tgt Ion: 42 Resp: 34951

Ion Ratio Lower Upper

42 100

72 45.6 35.2 52.8

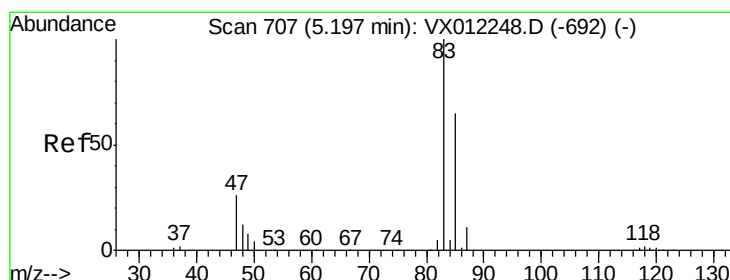
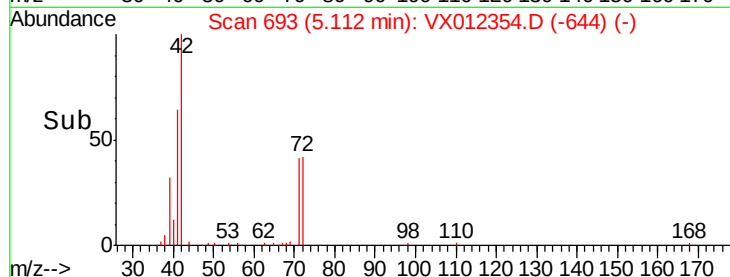
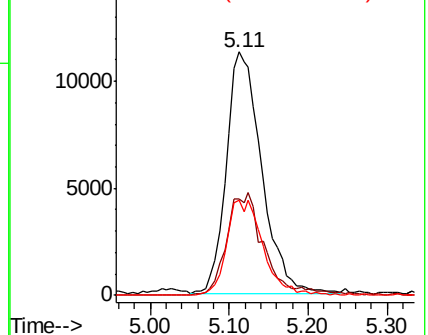
71 40.7 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.412 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012354.D

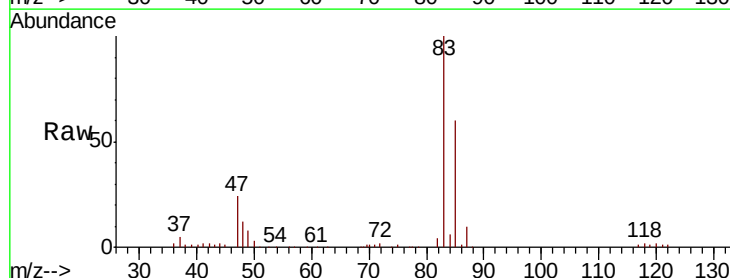
Acq: 12 Sep 2019 18:23

Tgt Ion: 83 Resp: 60177

Ion Ratio Lower Upper

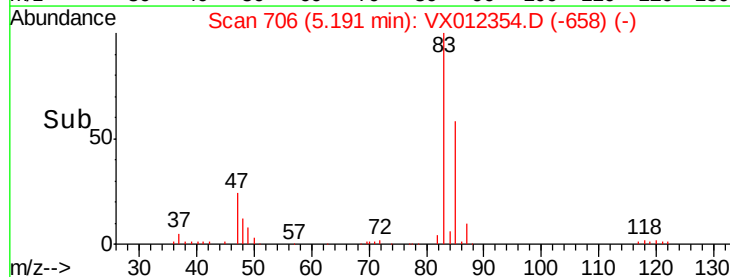
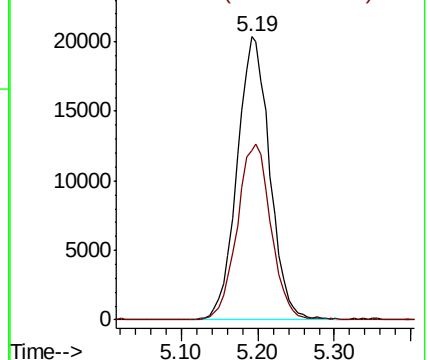
83 100

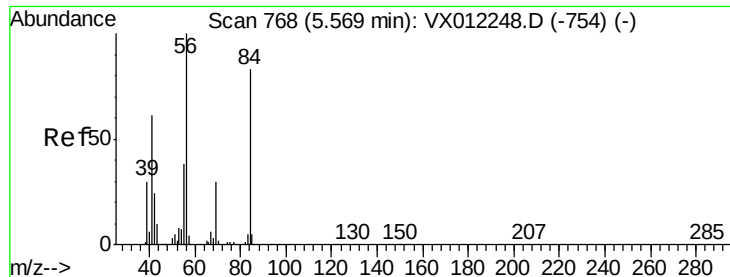
85 59.8 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

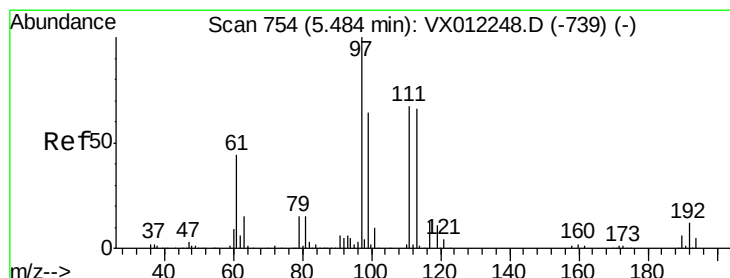
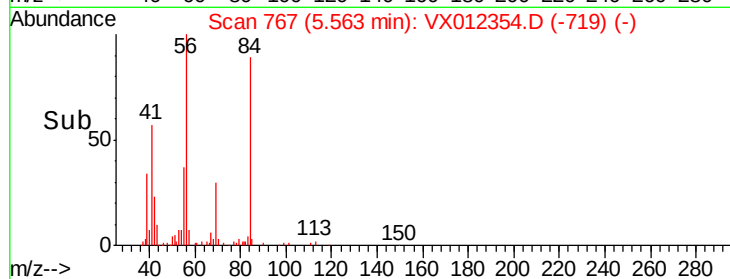
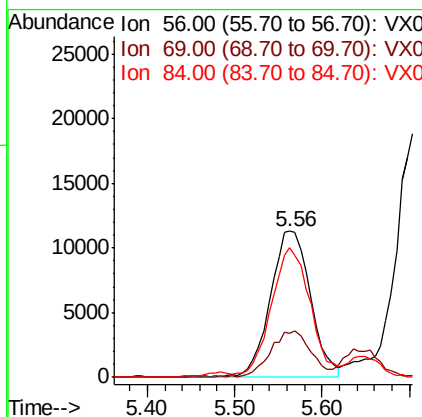
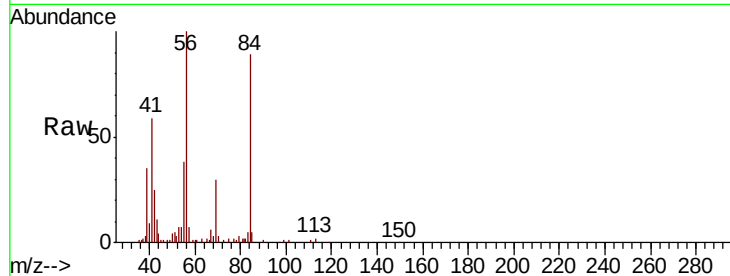




#31
Cyclohexane
Concen: 19.938 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

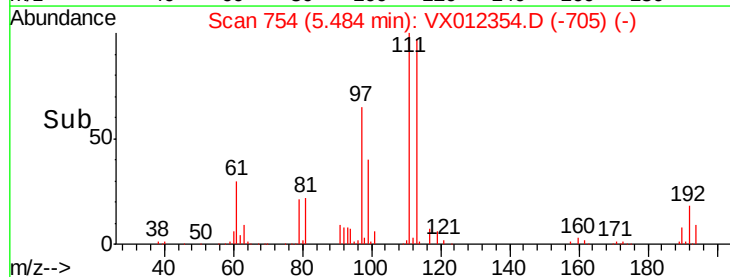
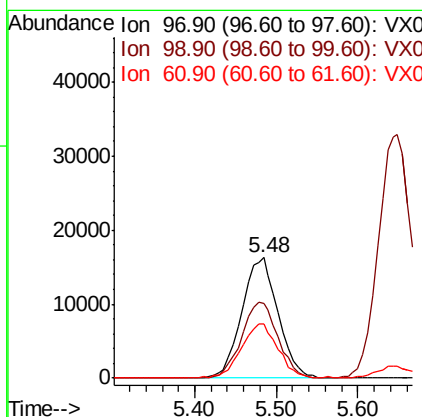
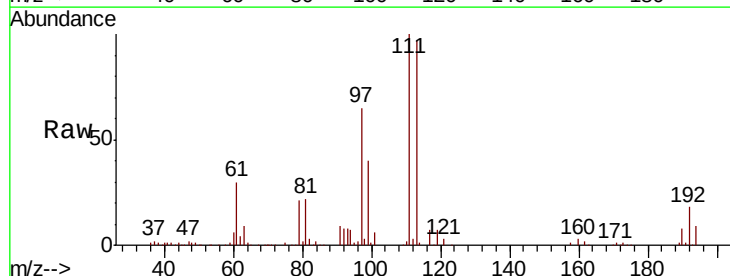
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

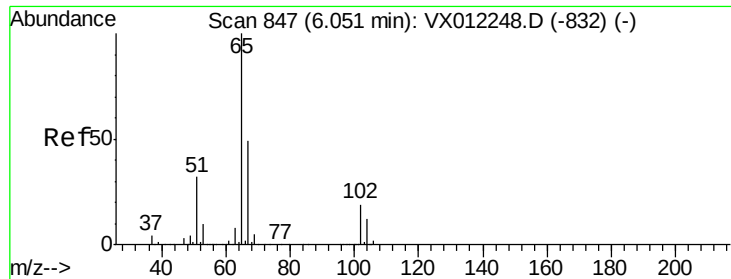
Tgt Ion: 56 Resp: 36208
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.6
84 87.7 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 19.805 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 97 Resp: 50135
Ion Ratio Lower Upper
97 100
99 63.4 51.3 76.9
61 46.0 35.4 53.0

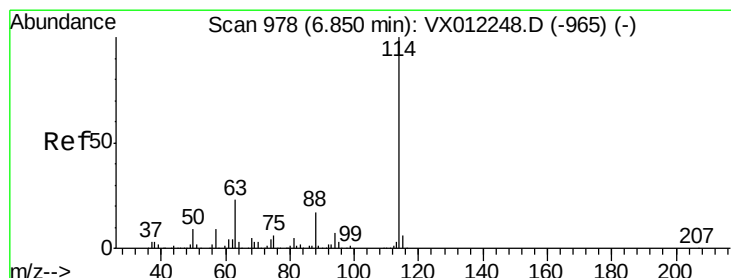
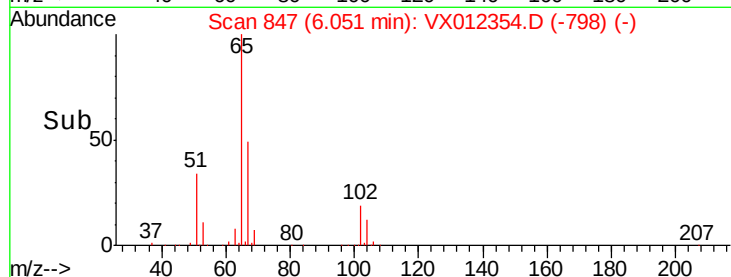
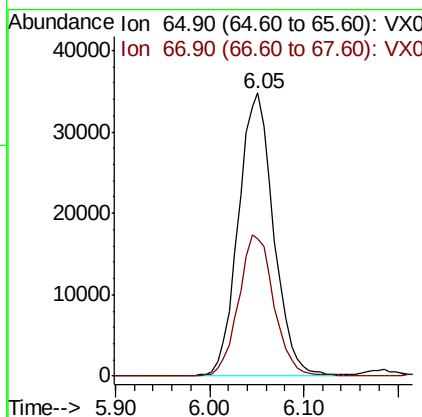
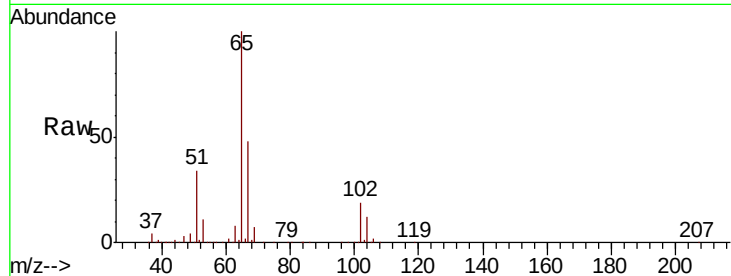




#33
 1,2-Dichloroethane-d4
 Concen: 46.597 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

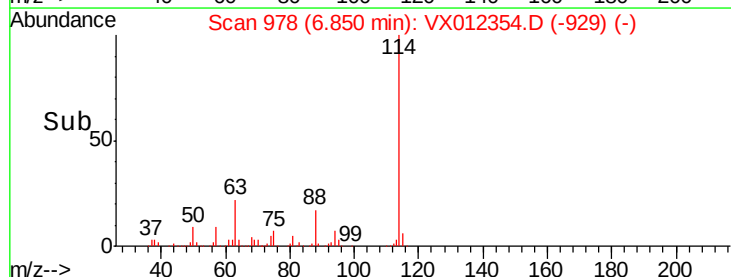
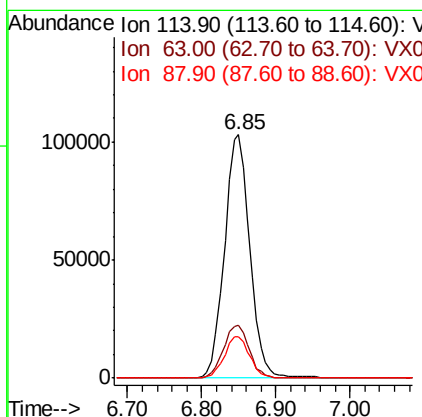
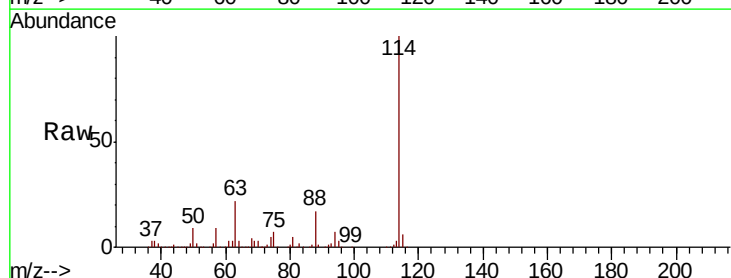
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD02

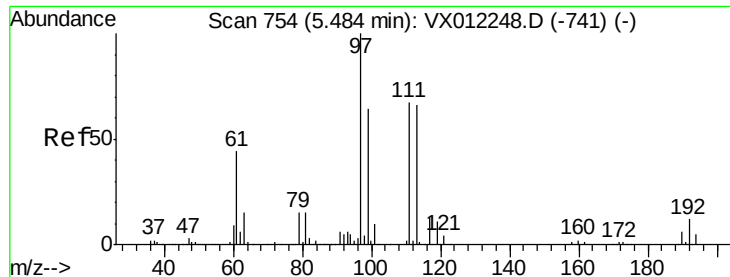
Tgt Ion: 65 Resp: 91135
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 114 Resp: 244185
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 45.050 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

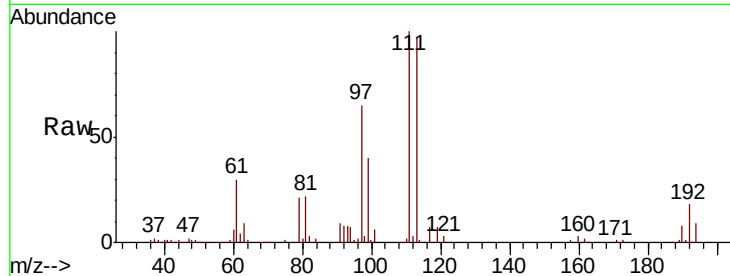
Tgt Ion:113 Resp: 70518

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

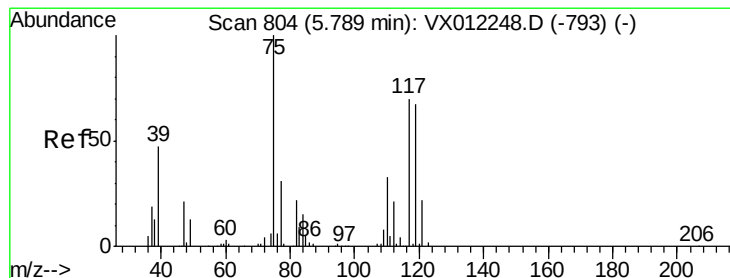
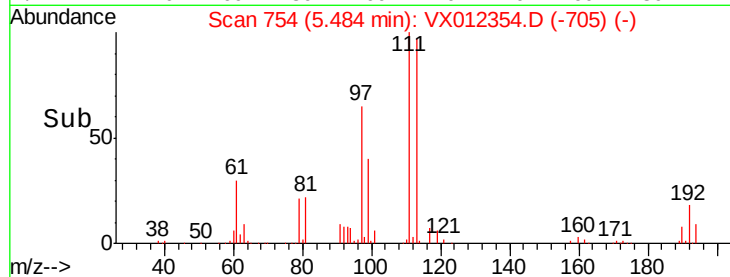
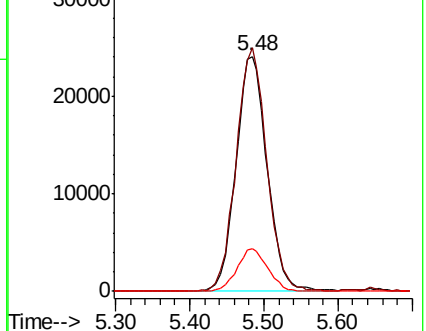
192 17.8 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.132 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

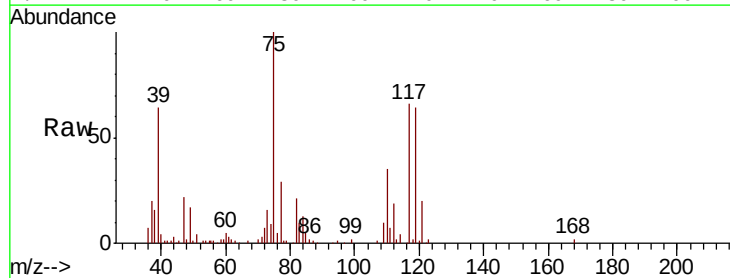
Tgt Ion: 75 Resp: 35846

Ion Ratio Lower Upper

75 100

110 36.3 16.8 50.4

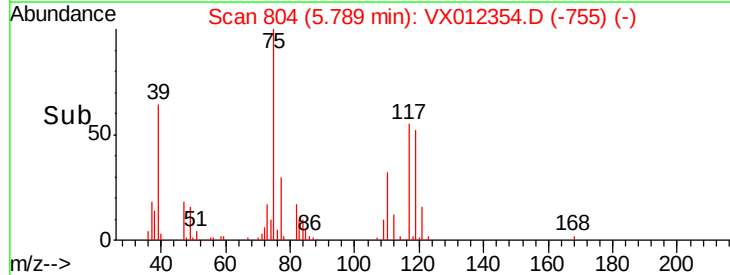
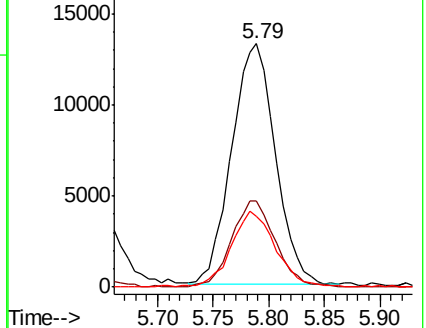
77 32.1 24.5 36.7

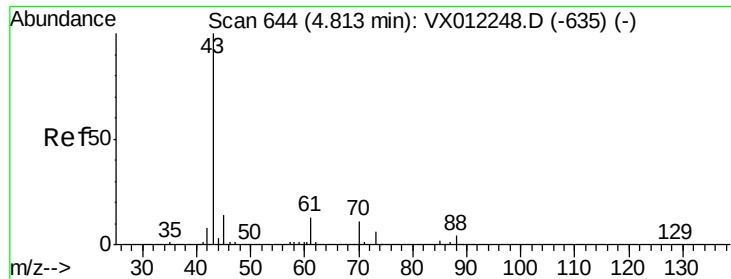


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

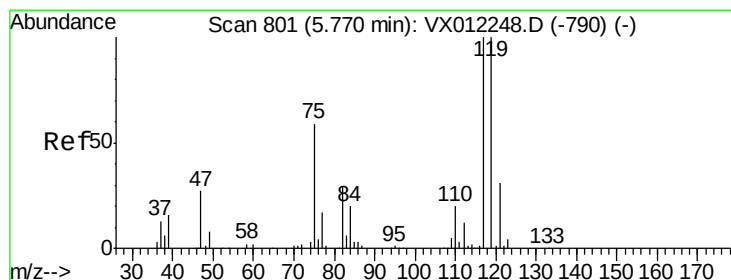
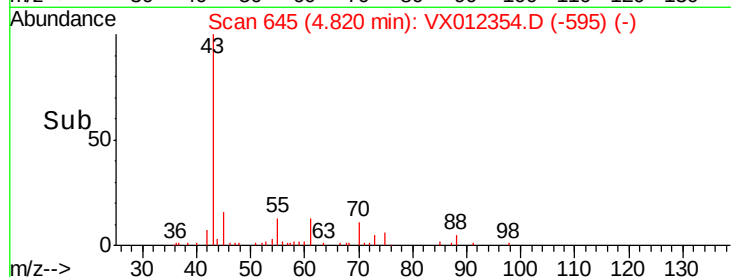
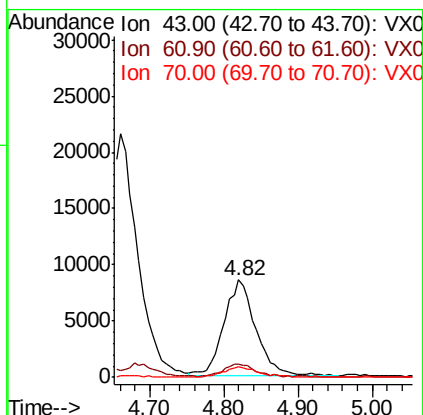
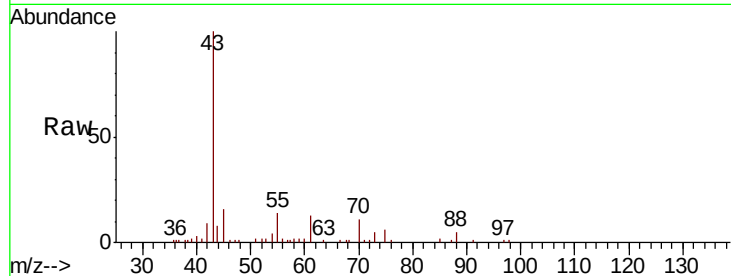




#37
Ethyl Acetate
Concen: 23.211 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

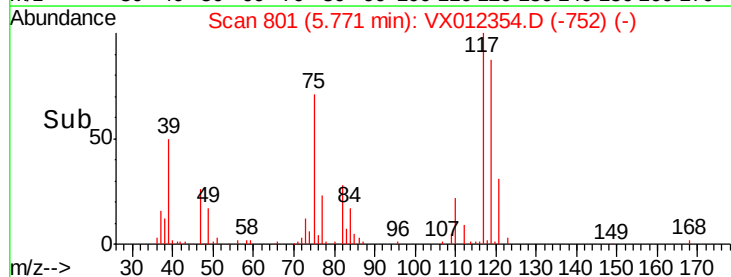
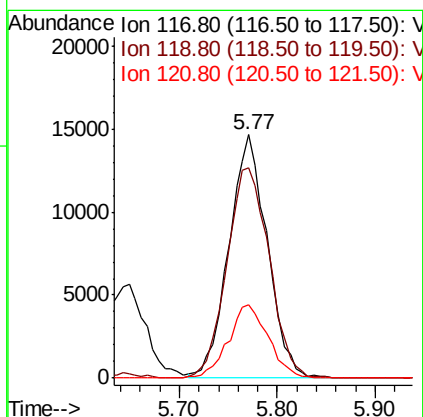
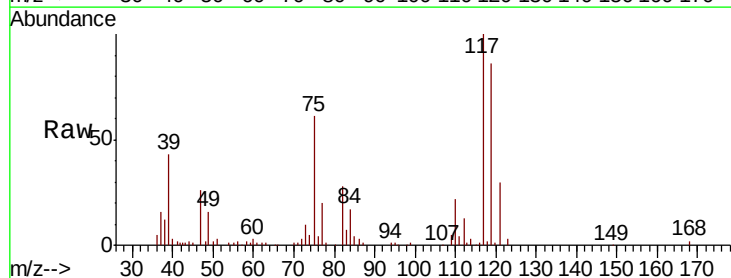
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

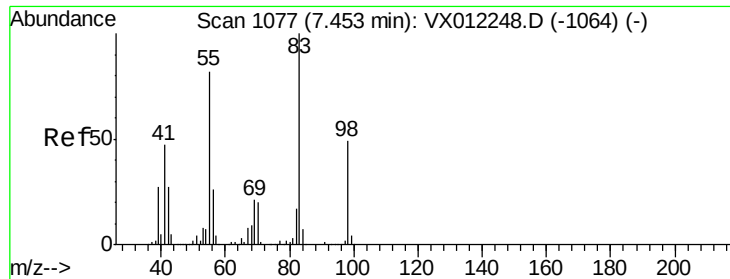
Tgt Ion: 43 Resp: 25547
Ion Ratio Lower Upper
43 100
61 12.5 10.3 15.5
70 12.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.017 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 117 Resp: 39726
Ion Ratio Lower Upper
117 100
119 86.4 79.6 119.4
121 30.2 24.7 37.1

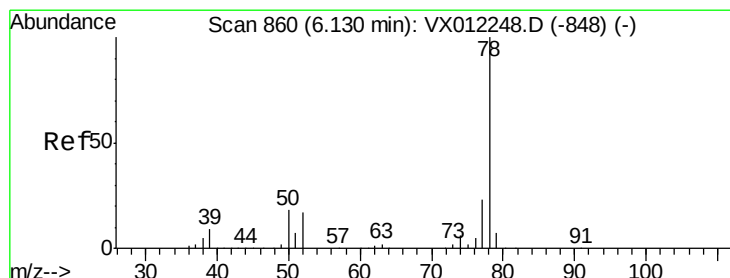
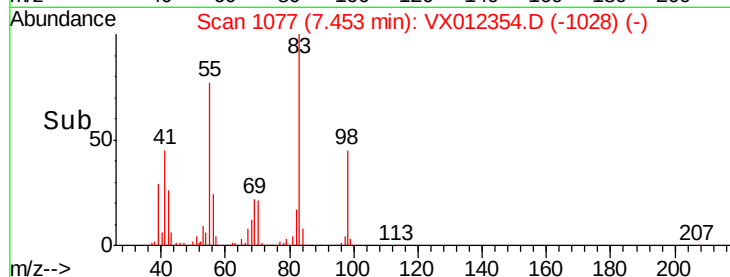
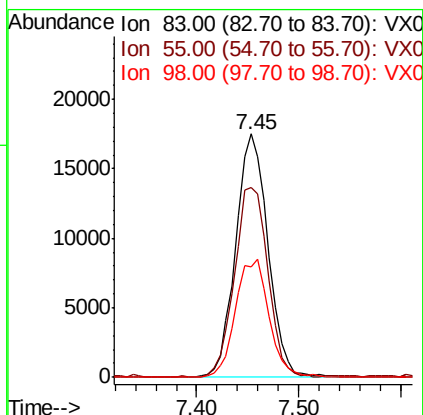
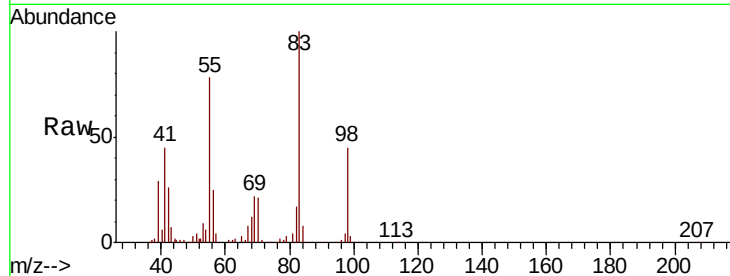




#39
Methylcyclohexane
Concen: 19.716 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

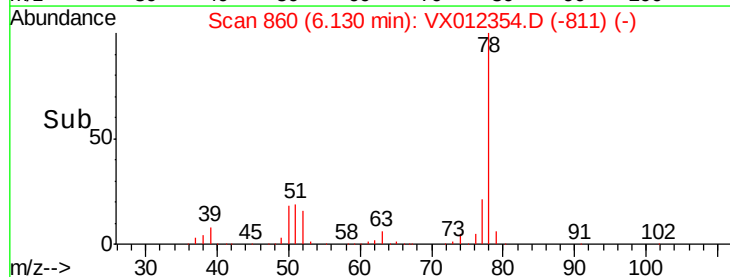
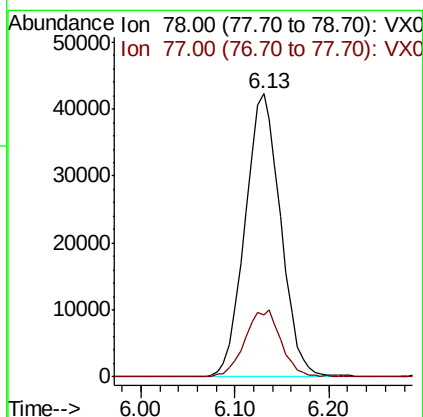
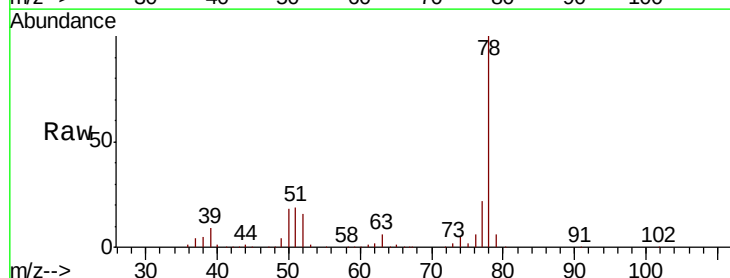
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

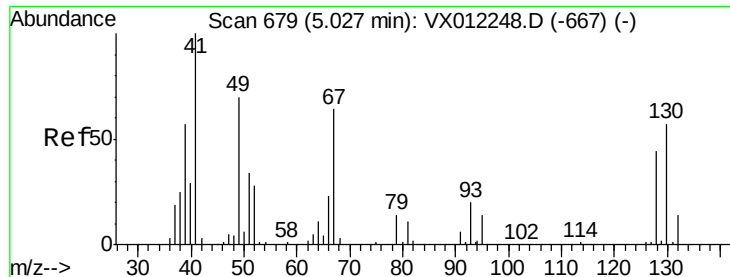
Tgt Ion: 83 Resp: 38525
Ion Ratio Lower Upper
83 100
55 77.4 65.4 98.2
98 45.4 39.6 59.4



#40
Benzene
Concen: 20.826 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 78 Resp: 112228
Ion Ratio Lower Upper
78 100
77 21.9 18.0 27.0

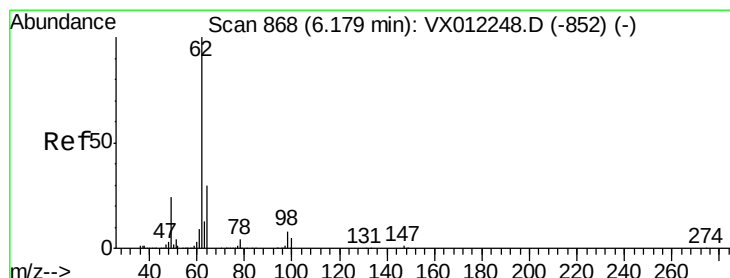
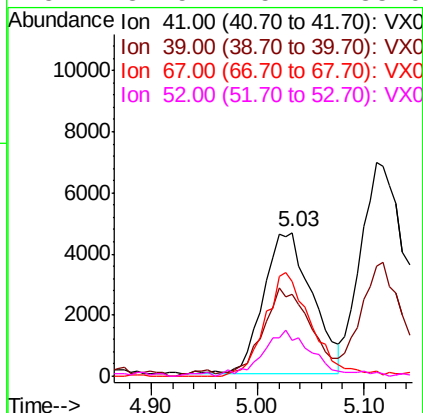
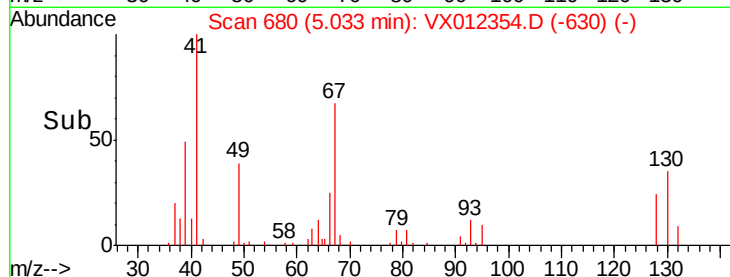
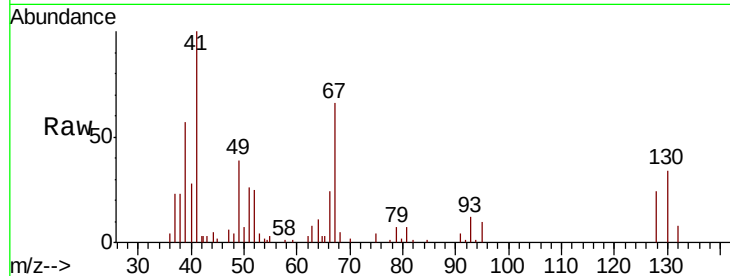




#41
Methacrylonitrile
Concen: 21.902 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

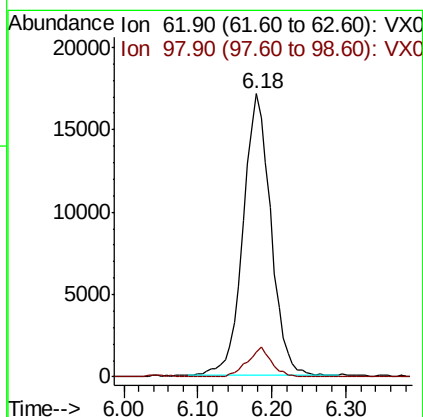
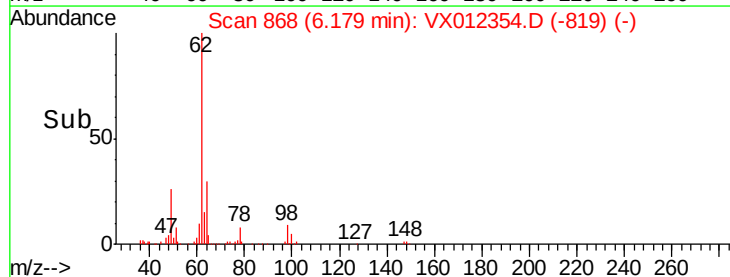
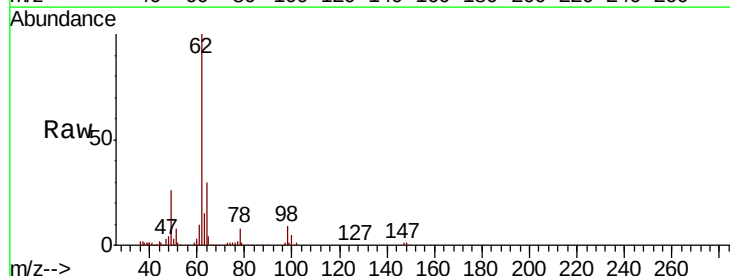
Instrument :
MSVOA_X
ClientSampled :
VX0912SBSD02

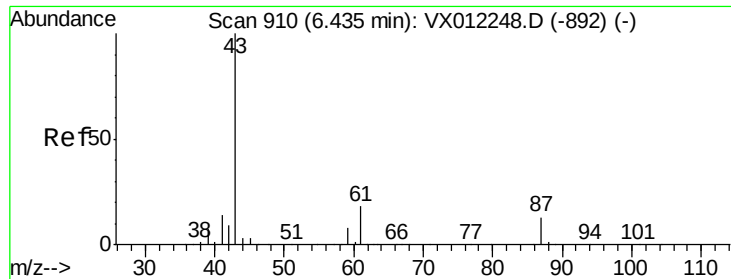
Tgt Ion:	41	Resp:	14861
Ion	Ratio	Lower	Upper
41	100		
39	54.1	49.0	73.4
67	68.7	55.0	82.4
52	31.5	25.4	38.0



#42
1,2-Dichloroethane
Concen: 21.104 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:	62	Resp:	44949
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 20.644 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

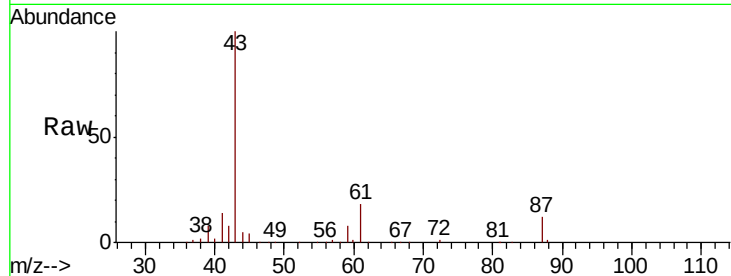
Tgt Ion: 43 Resp: 47905

Ion Ratio Lower Upper

43 100

61 19.6 15.4 23.2

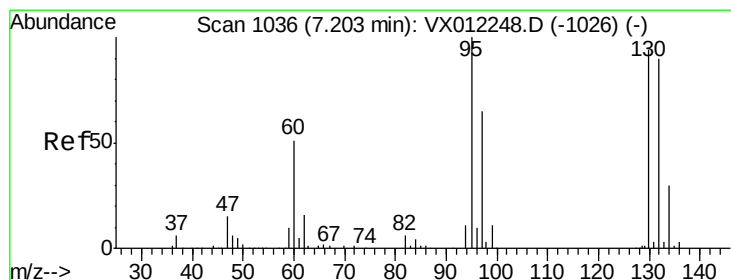
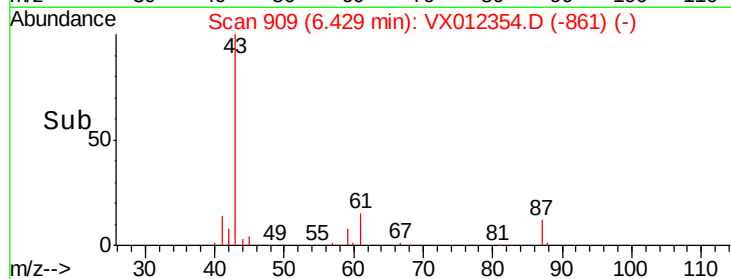
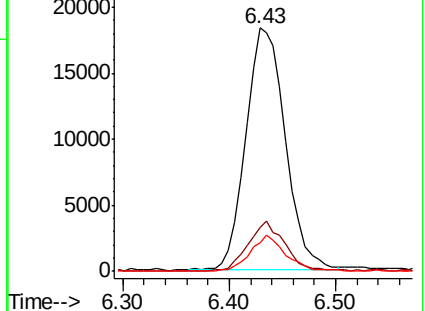
87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 21.043 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012354.D

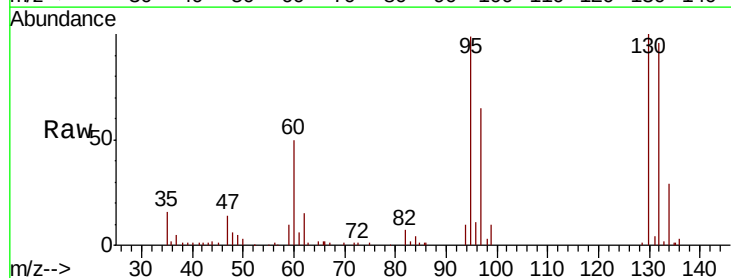
Acq: 12 Sep 2019 18:23

Tgt Ion: 130 Resp: 30688

Ion Ratio Lower Upper

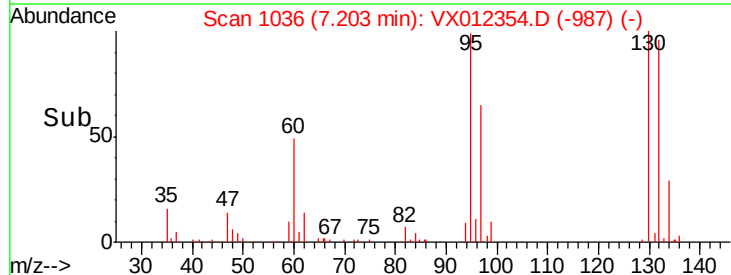
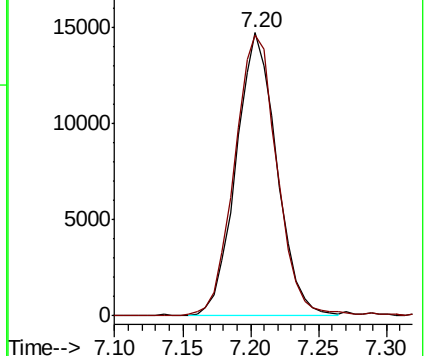
130 100

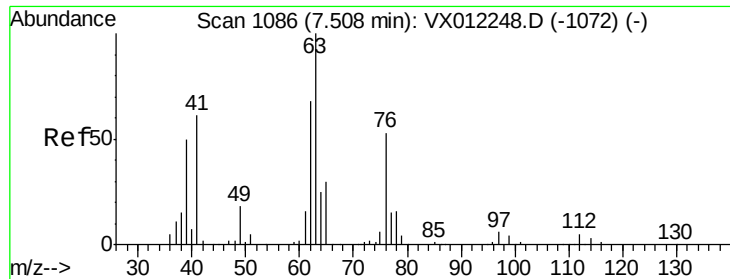
95 98.8 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.401 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

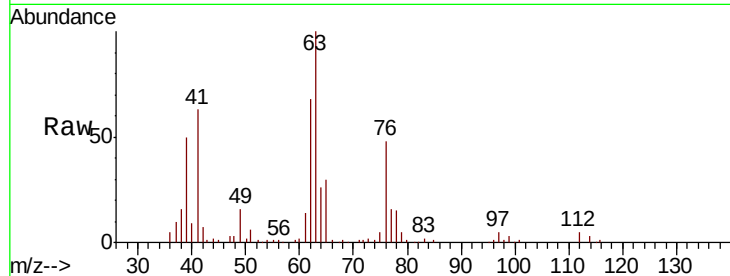
VX0912SBS02

Tgt Ion: 63 Resp: 31923

Ion Ratio Lower Upper

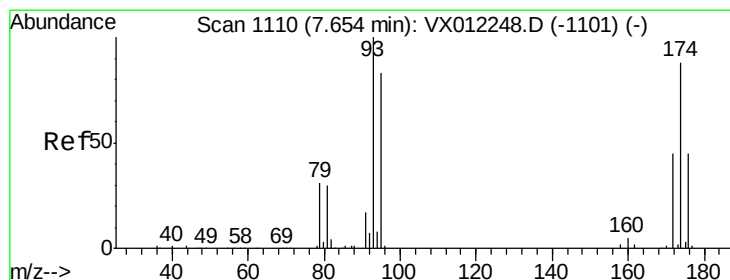
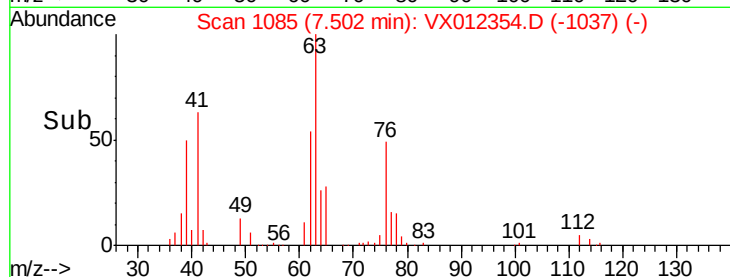
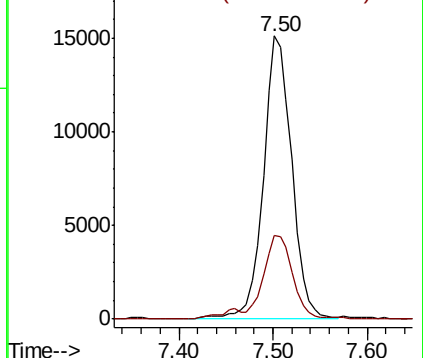
63 100

65 29.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.939 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

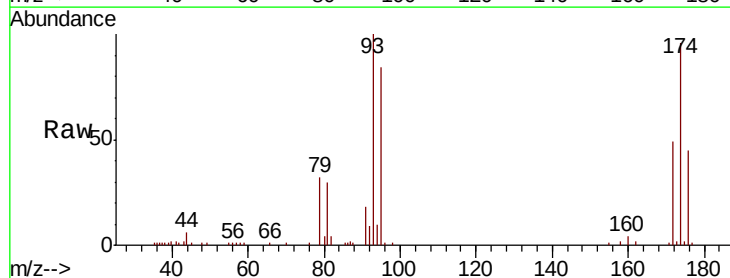
Tgt Ion: 93 Resp: 17885

Ion Ratio Lower Upper

93 100

95 82.9 65.7 98.5

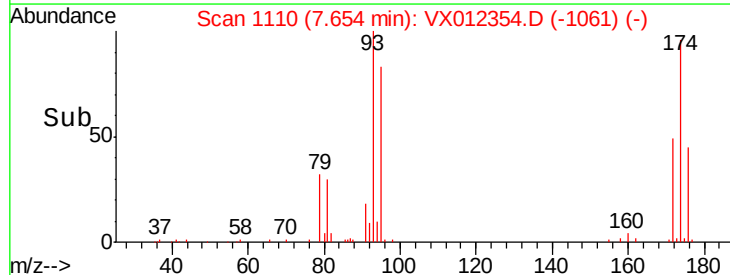
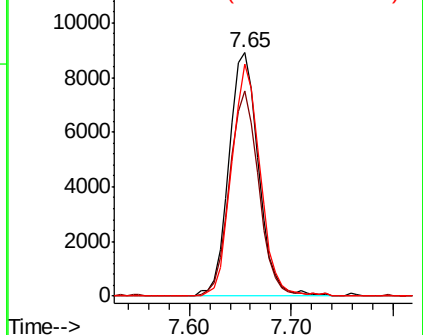
174 91.1 71.0 106.4

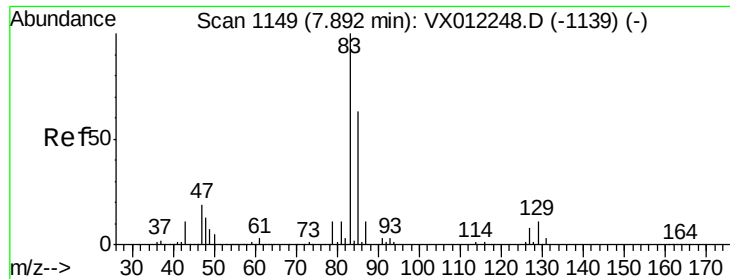


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.965 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

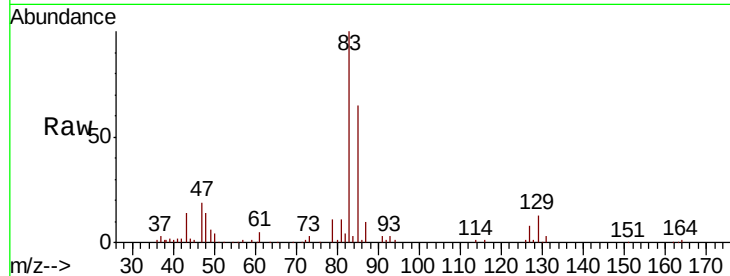
Tgt Ion: 83 Resp: 44416

Ion Ratio Lower Upper

83 100

85 65.5 50.2 75.4

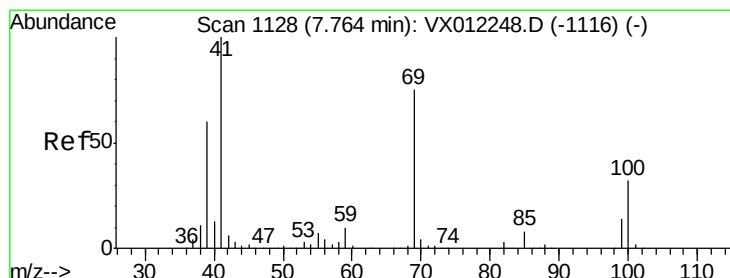
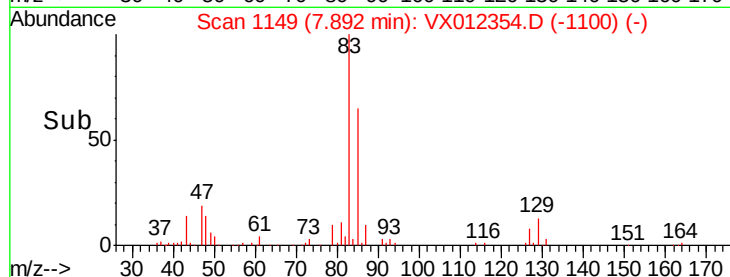
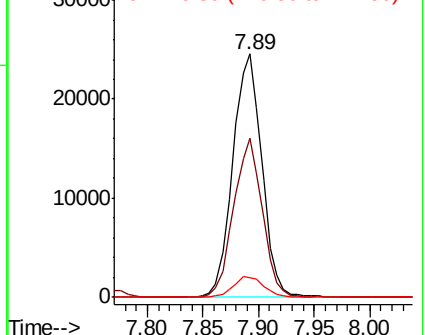
127 8.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.702 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

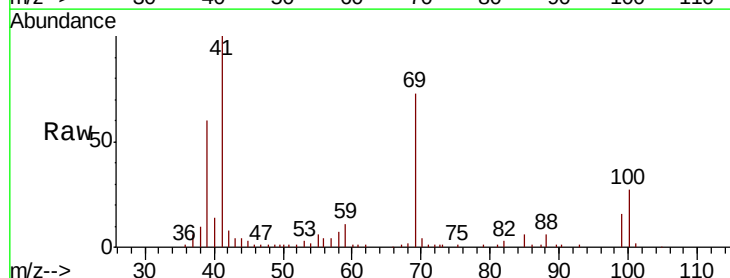
Tgt Ion: 41 Resp: 22994

Ion Ratio Lower Upper

41 100

69 77.5 61.8 92.6

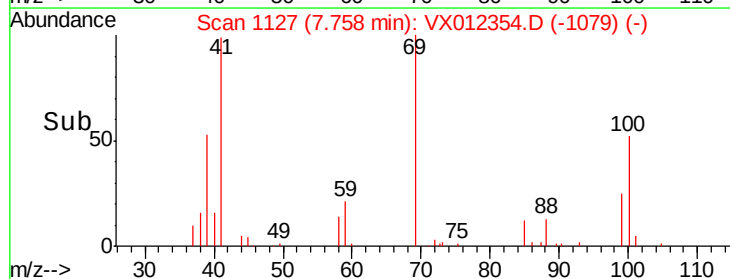
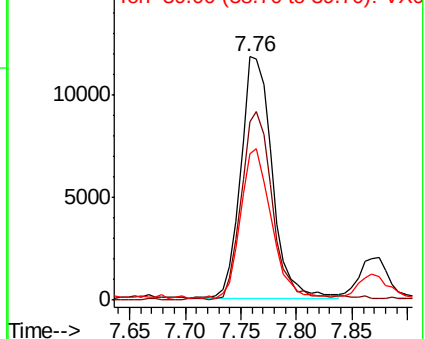
39 61.3 48.6 73.0

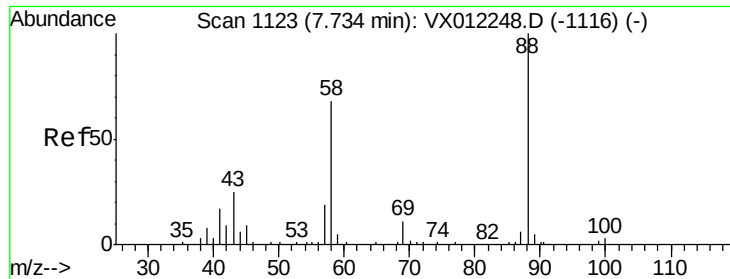


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

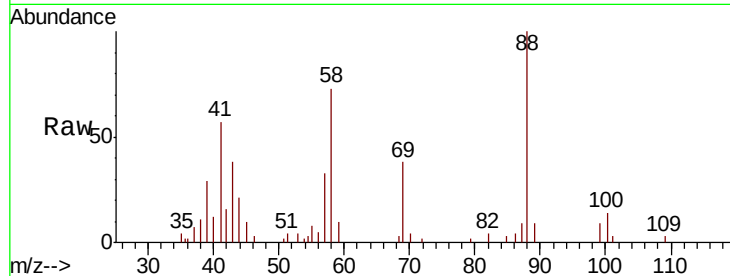




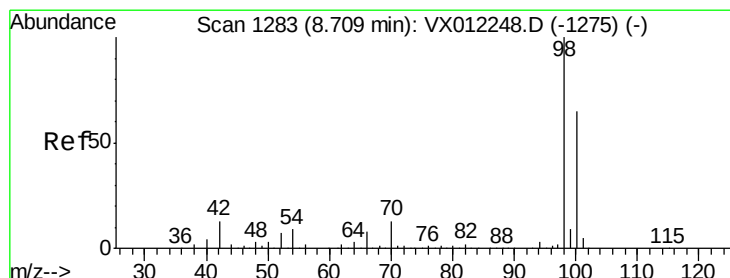
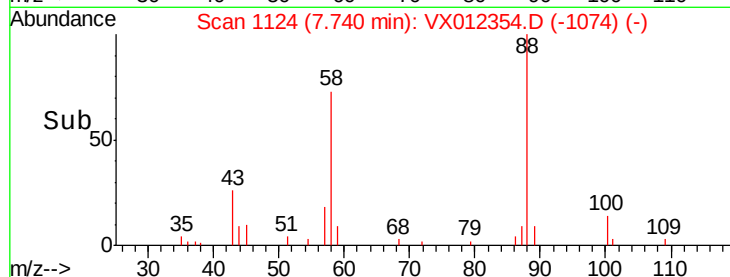
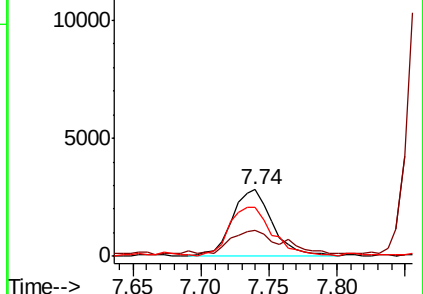
#49
1,4-Dioxane
Concen: 390.847 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tgt Ion: 88 Resp: 5858
Ion Ratio Lower Upper
88 100
43 43.2 31.0 46.4
58 79.3 61.5 92.3

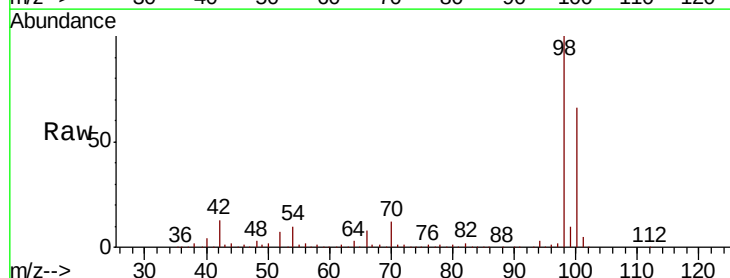


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

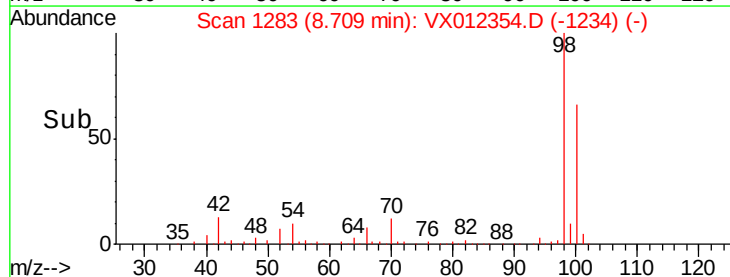
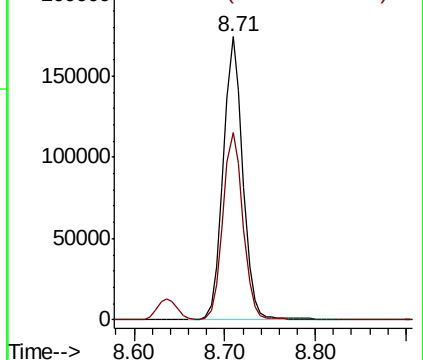


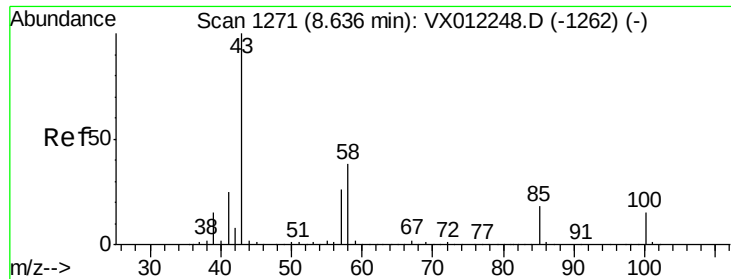
#50
Toluene-d8
Concen: 48.019 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 98 Resp: 263631
Ion Ratio Lower Upper
98 100
100 67.6 54.1 81.1



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: 105.459 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

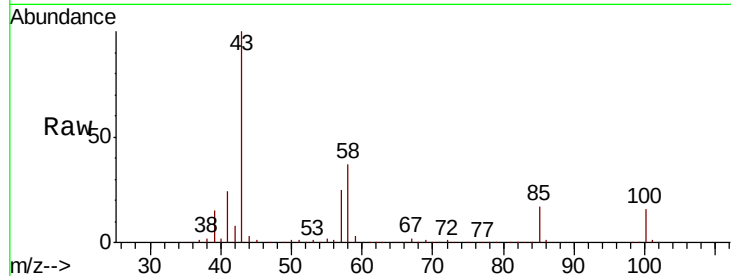
VX0912SBSD02

Tgt Ion: 43 Resp: 129156

Ion Ratio Lower Upper

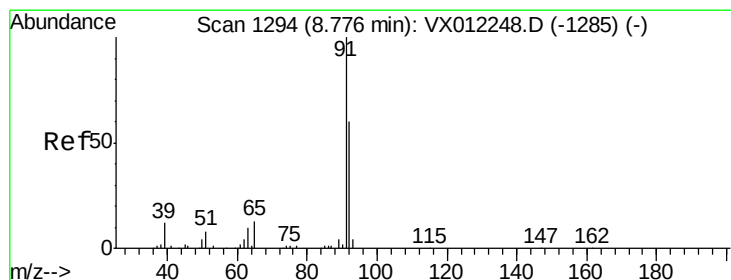
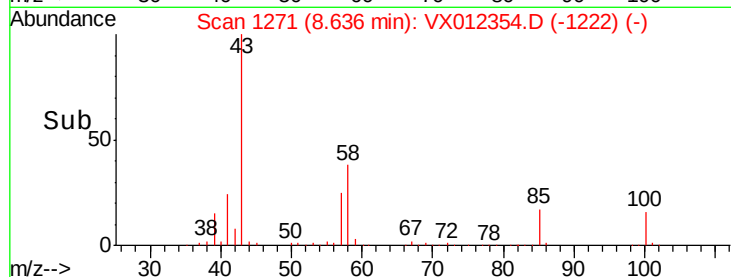
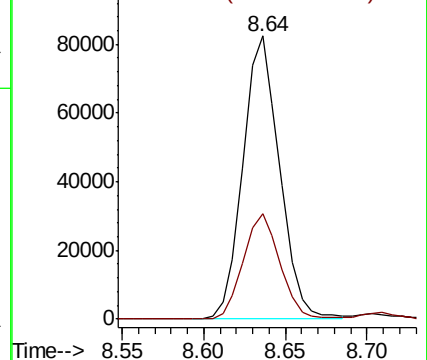
43 100

58 37.3 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.971 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX012354.D

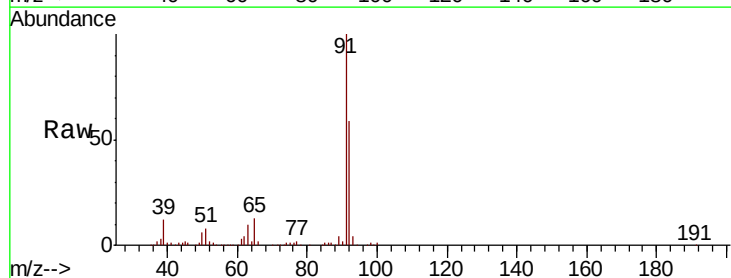
Acq: 12 Sep 2019 18:23

Tgt Ion: 92 Resp: 74646

Ion Ratio Lower Upper

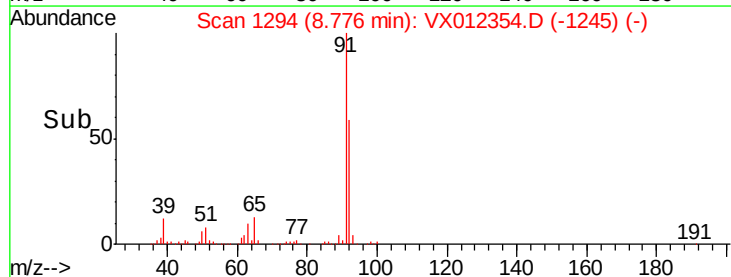
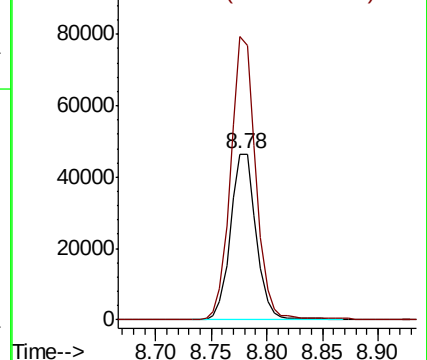
92 100

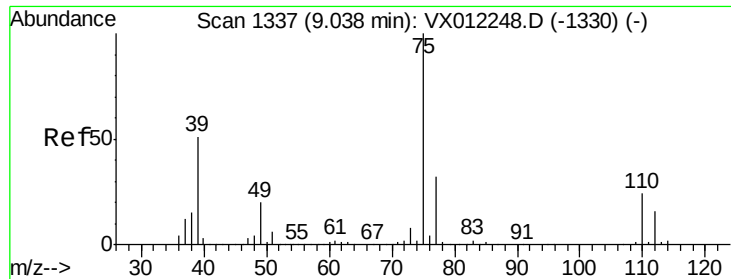
91 166.2 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.673 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

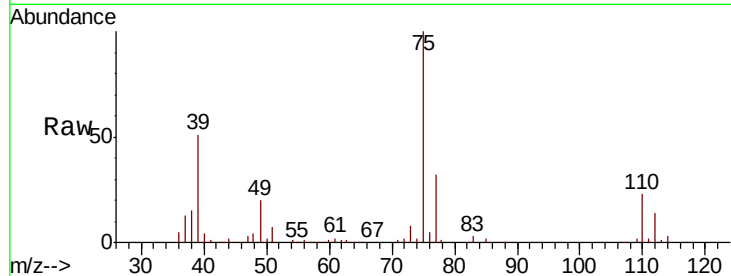
VX0912SBS02

Tgt Ion: 75 Resp: 43685

Ion Ratio Lower Upper

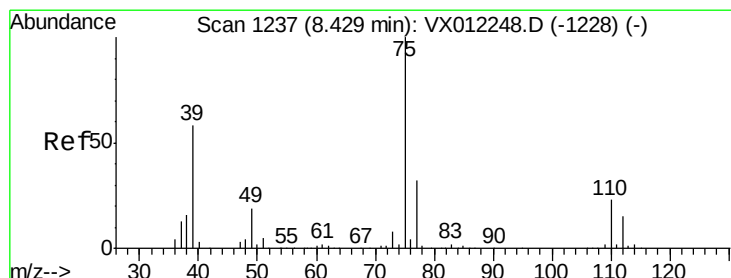
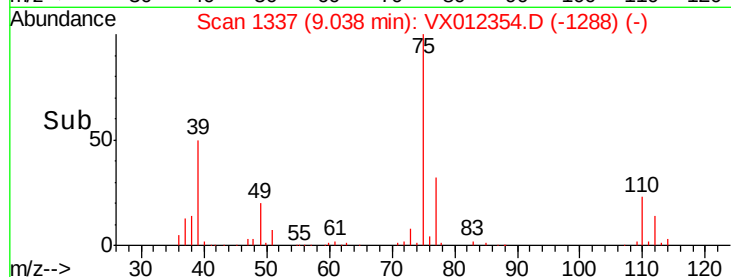
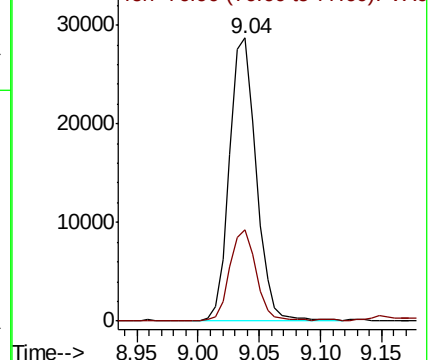
75 100

77 32.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.923 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

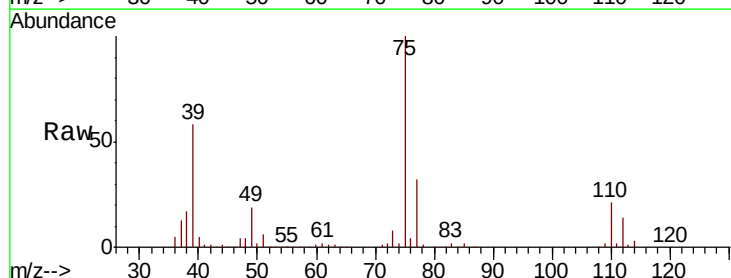
Tgt Ion: 75 Resp: 49057

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

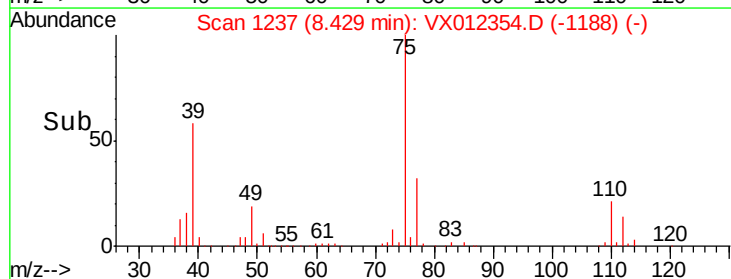
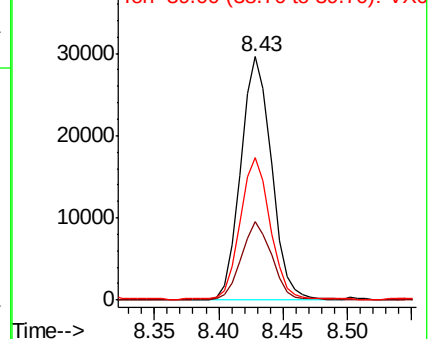
39 57.7 46.5 69.7

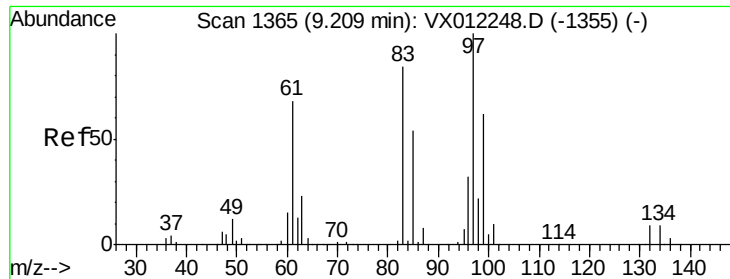


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

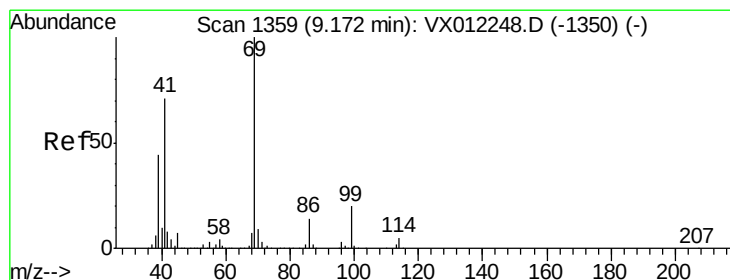
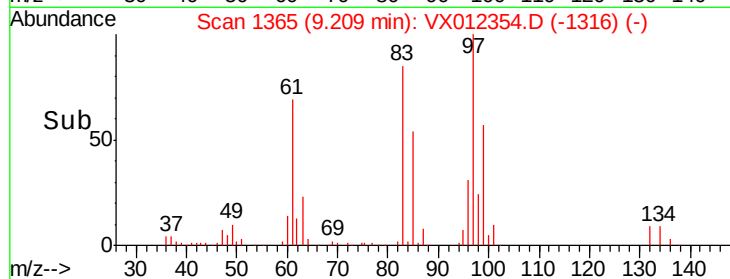
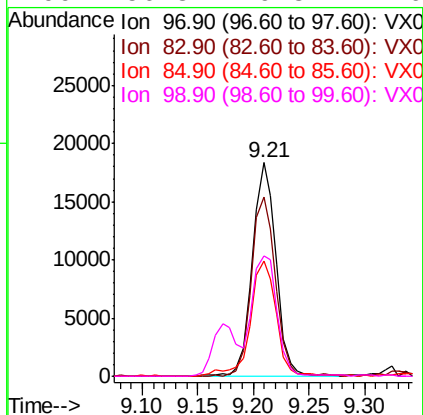
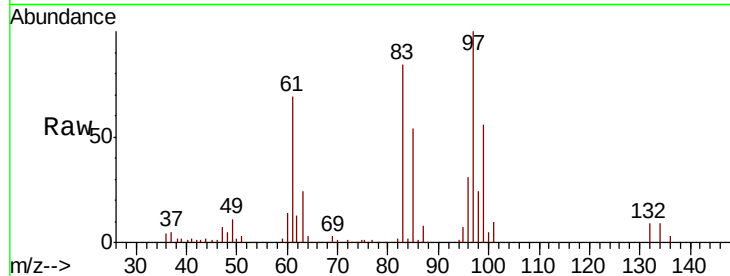




#55
 1,1,2-Trichloroethane
 Concen: 21.538 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

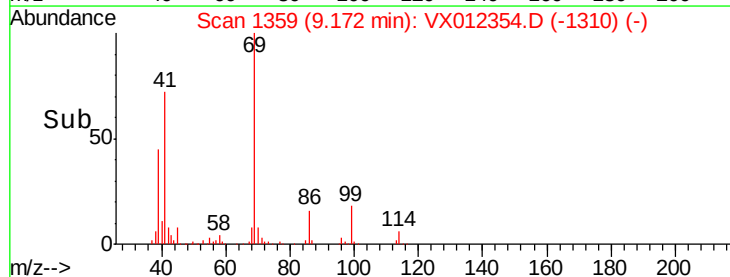
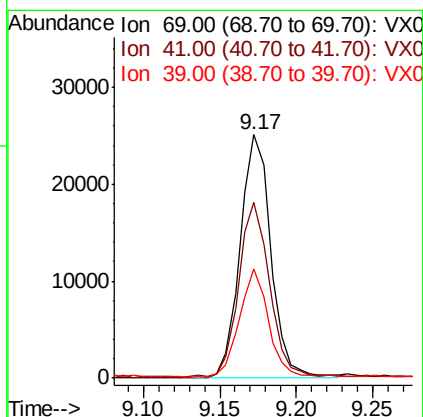
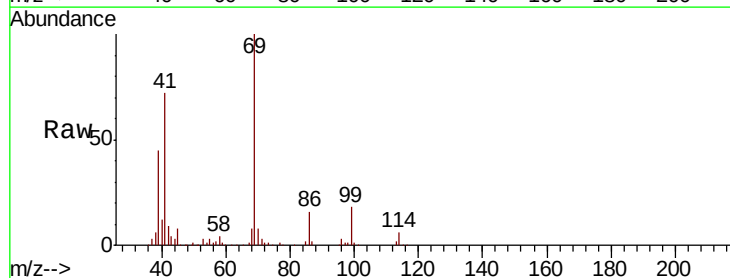
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

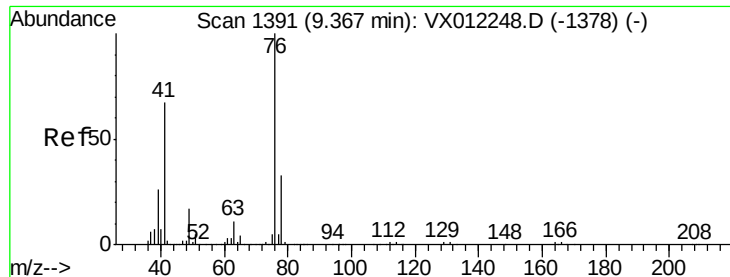
Tgt Ion:	97	Resp:	27202
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.2
85	53.7	43.4	65.2
99	56.3	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.586 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion:	69	Resp:	35204
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.7	86.5
39	42.2	34.0	51.0

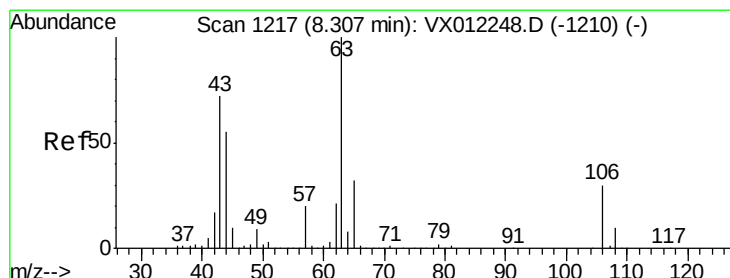
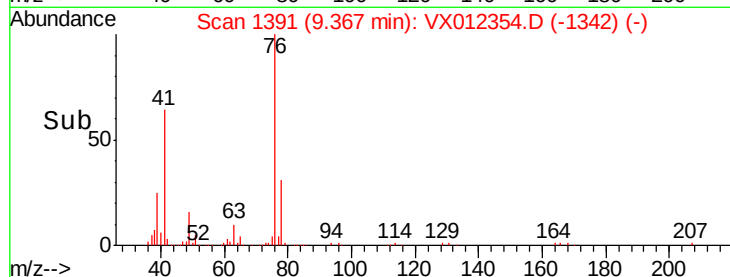
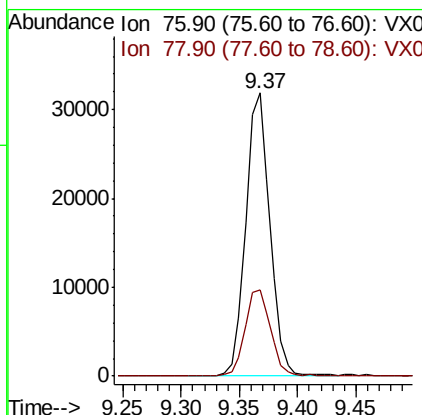
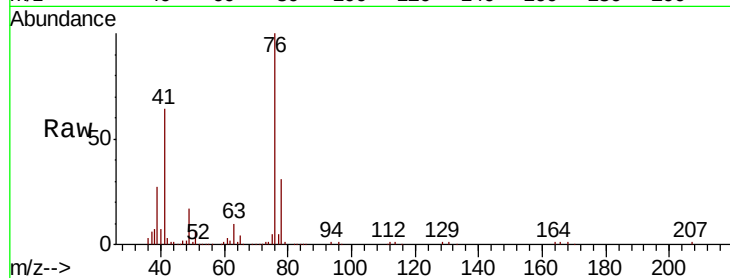




#57
 1,3-Dichloropropane
 Concen: 21.504 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

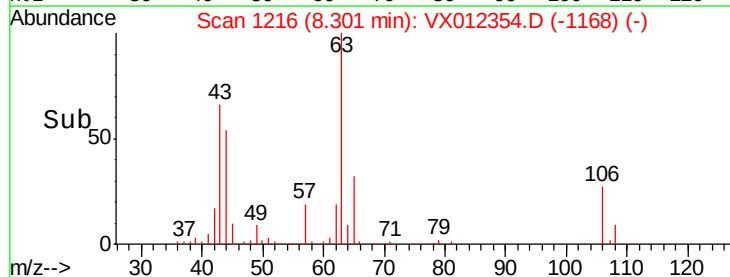
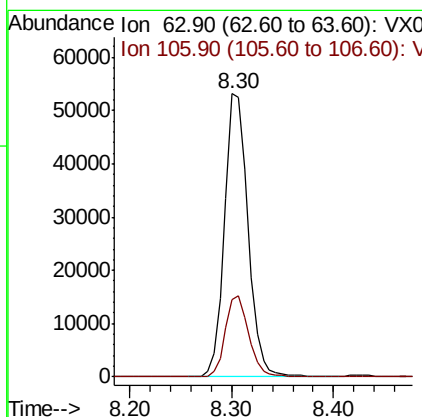
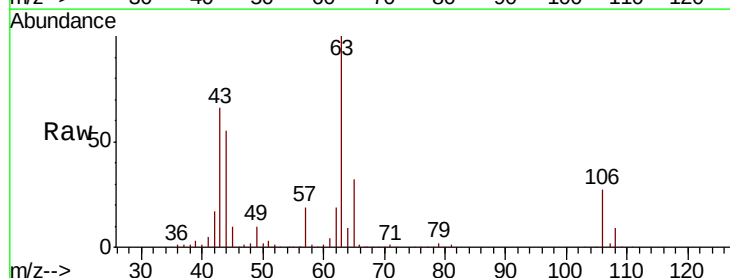
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

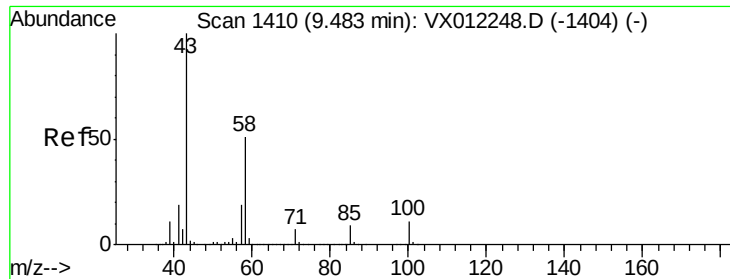
Tgt Ion: 76 Resp: 46387
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.118 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 63 Resp: 84244
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.4 35.2

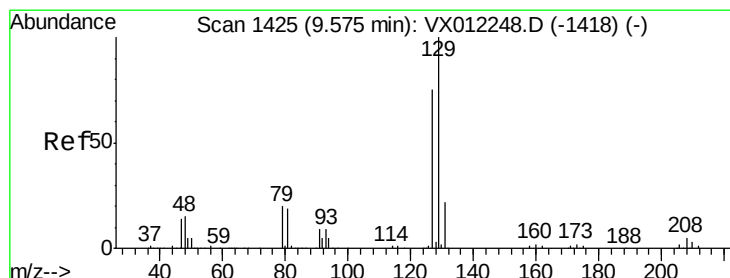
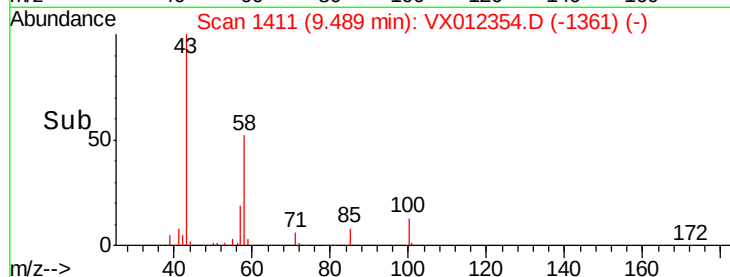
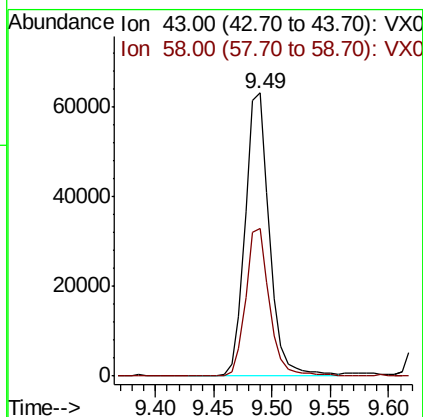
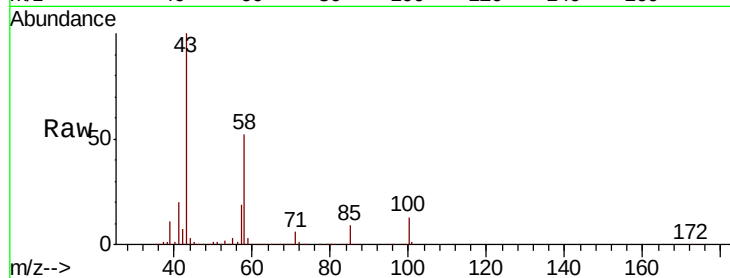




#59
2-Hexanone
Concen: 107.296 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

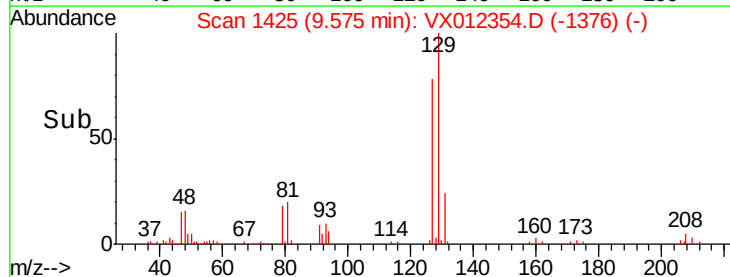
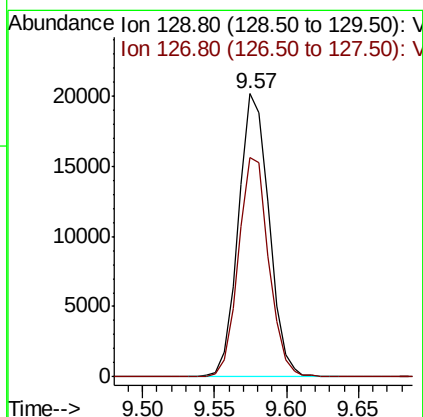
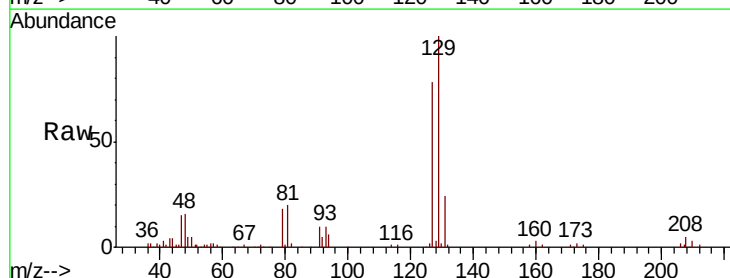
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBSD02

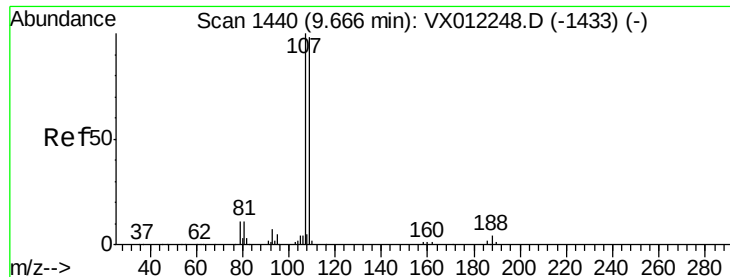
Tgt Ion: 43 Resp: 91368
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 20.167 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 129 Resp: 29735
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.667 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

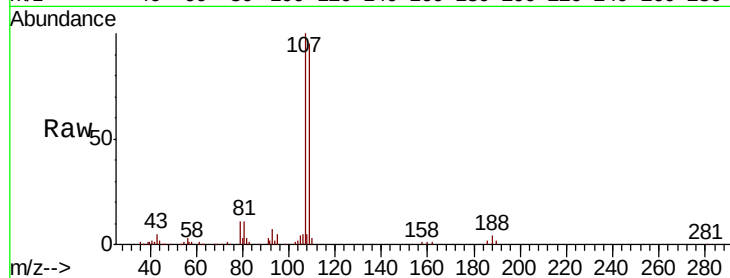
VX0912SBS02

Tgt Ion: 107 Resp: 25473

Ion Ratio Lower Upper

107 100

109 94.2 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

20000

15000

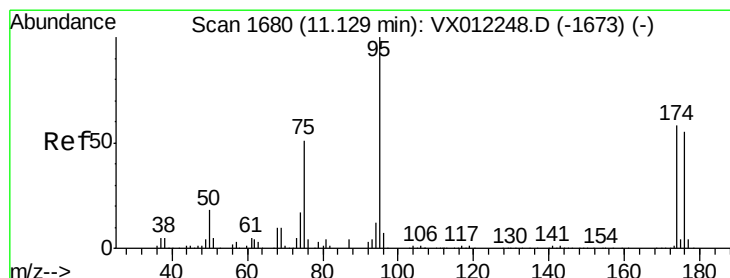
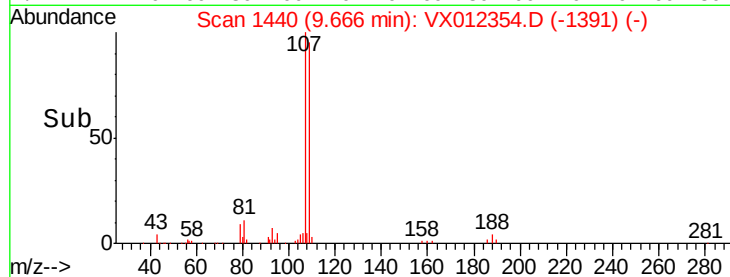
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 44.283 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

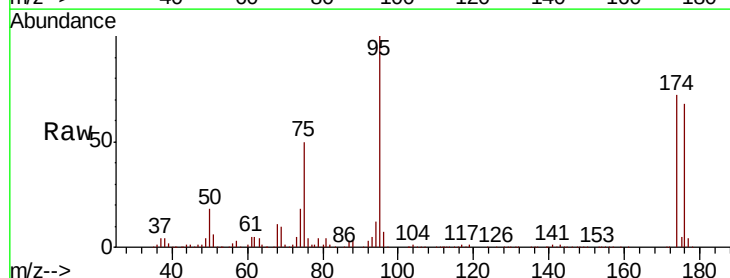
Tgt Ion: 95 Resp: 112711

Ion Ratio Lower Upper

95 100

174 68.9 0.0 127.0

176 64.5 0.0 125.8



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

100000

80000

60000

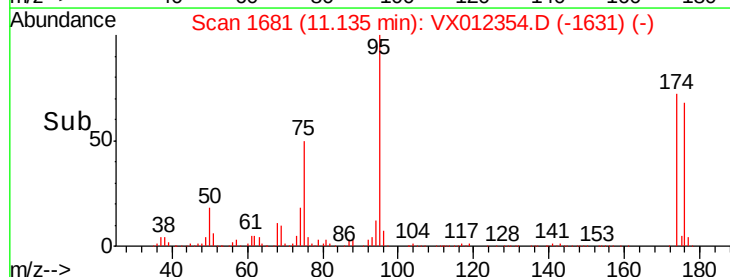
40000

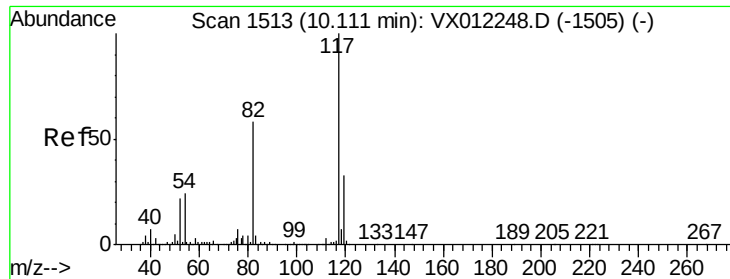
20000

0

11.10 11.14 11.20

Time-->

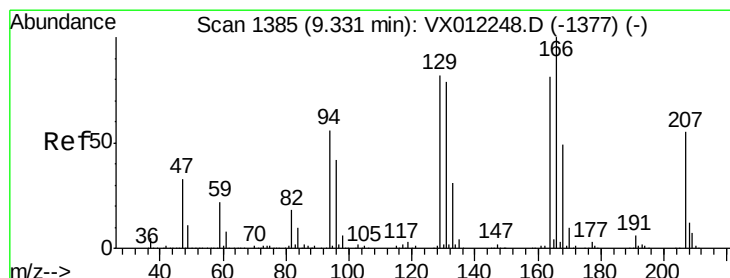
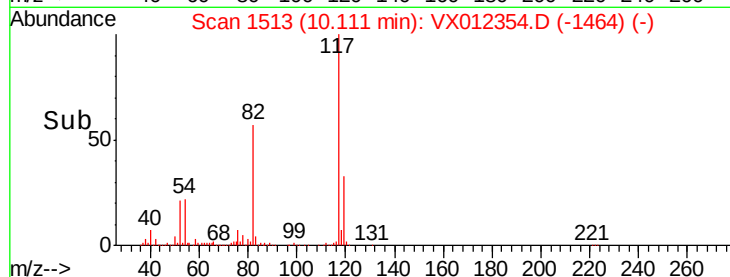
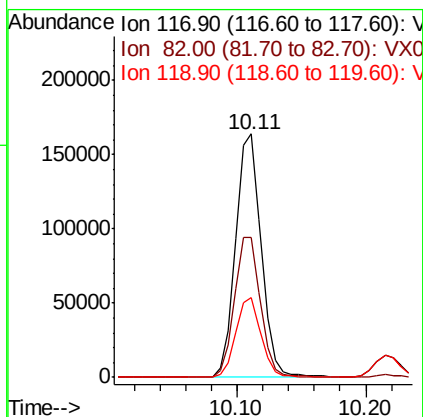
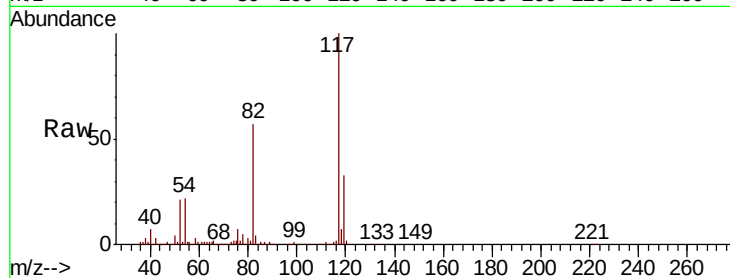




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

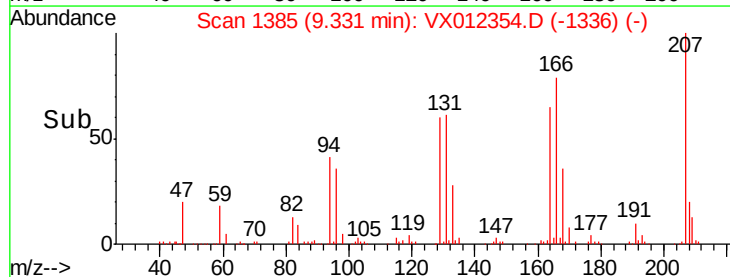
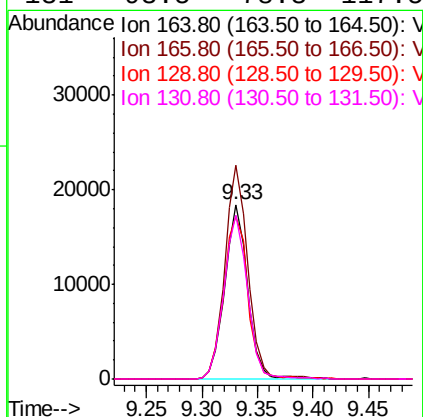
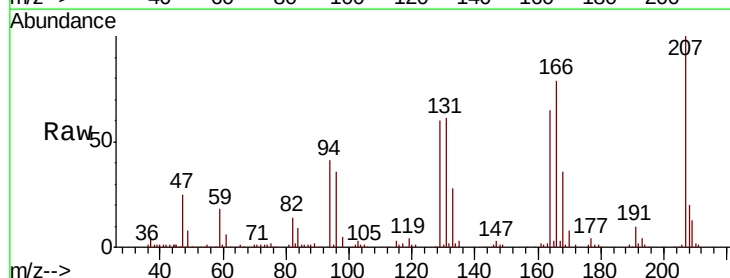
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

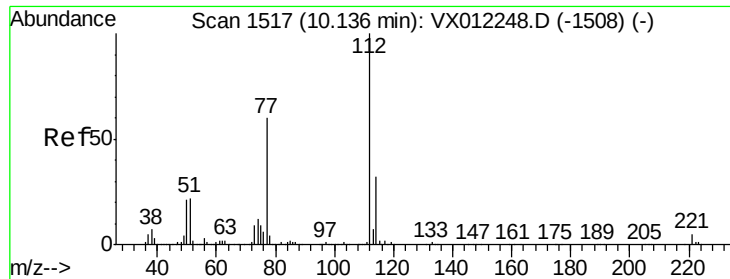
Tgt Ion:117 Resp: 227642
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 32.5 26.6 39.8



#64
Tetrachloroethene
Concen: 21.828 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:164 Resp: 26279
Ion Ratio Lower Upper
164 100
166 122.3 99.4 149.0
129 93.1 81.8 122.8
131 93.5 78.3 117.5

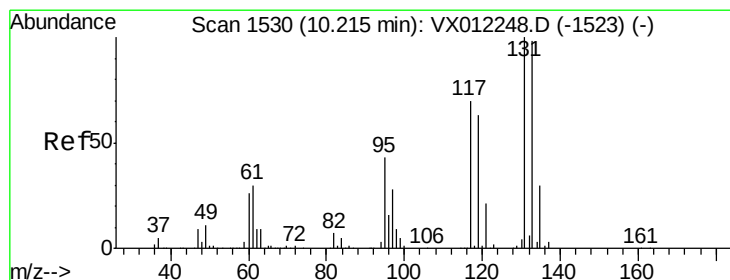
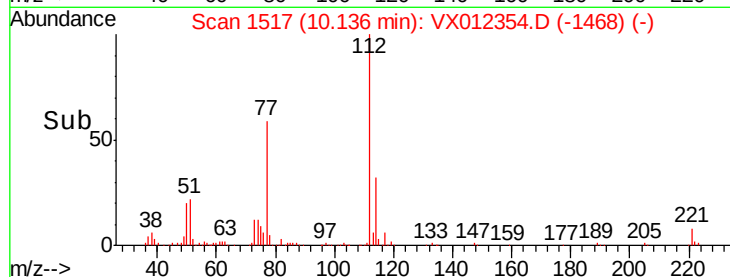
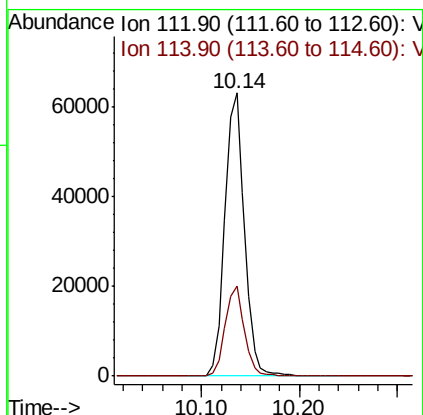
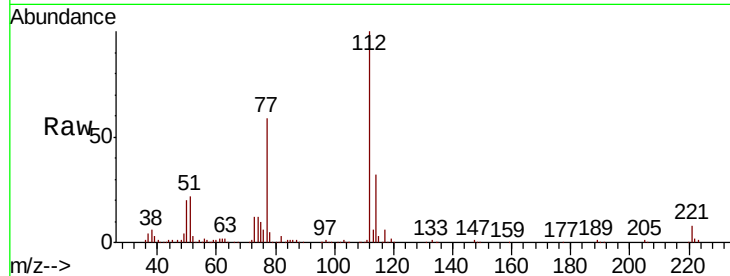




#65
Chlorobenzene
Concen: 21.061 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

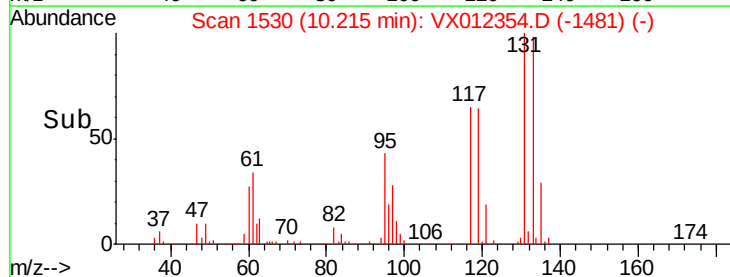
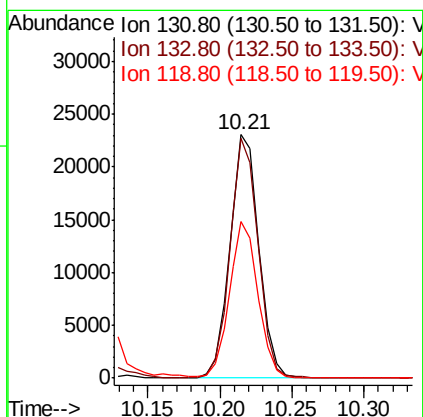
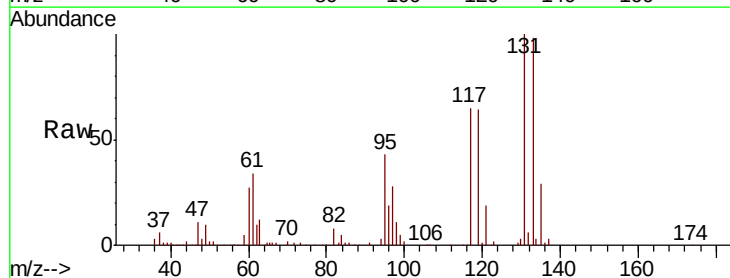
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

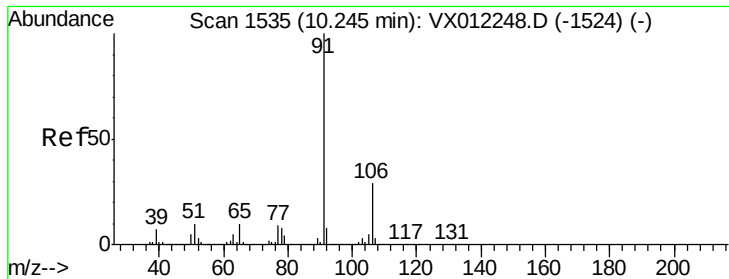
Tgt Ion:112 Resp: 87601
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.688 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:131 Resp: 32438
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 63.4 31.6 95.0





#67

Ethyl Benzene

Concen: 20.396 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

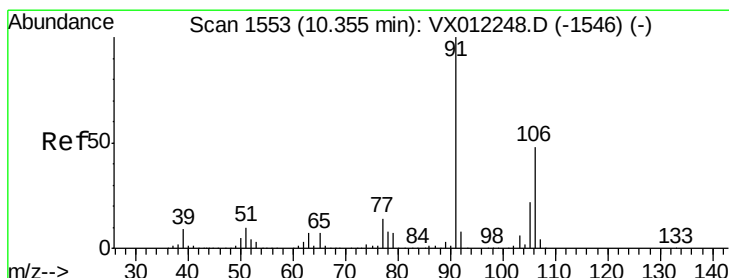
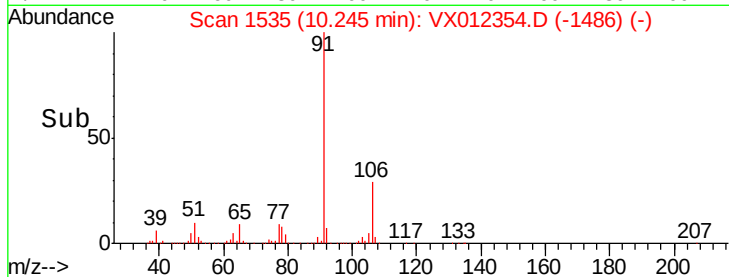
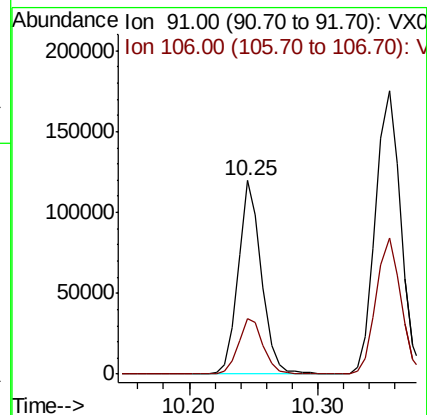
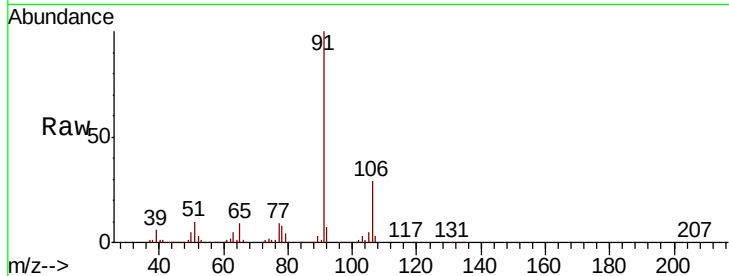
VX0912SBSD02

Tgt Ion: 91 Resp: 150883

Ion Ratio Lower Upper

91 100

106 28.9 23.1 34.7



#68

m/p-Xylenes

Concen: 41.363 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012354.D

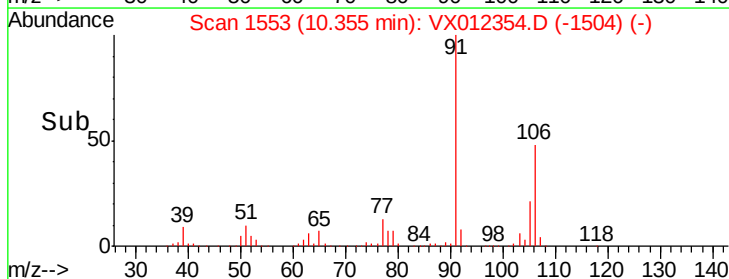
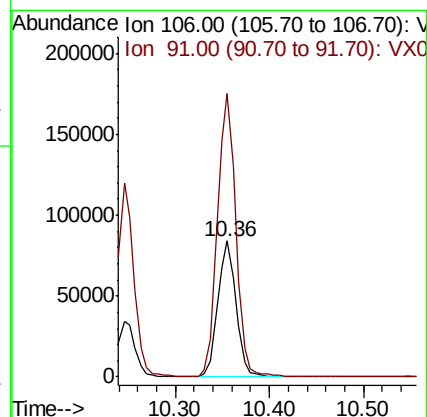
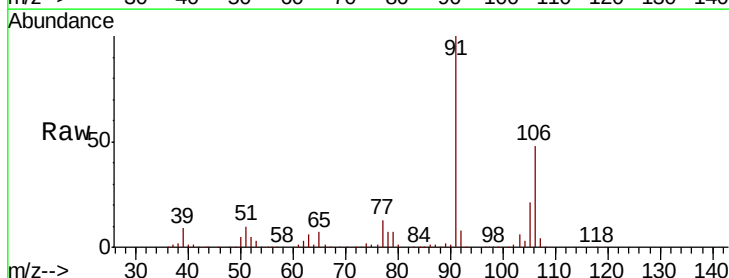
Acq: 12 Sep 2019 18:23

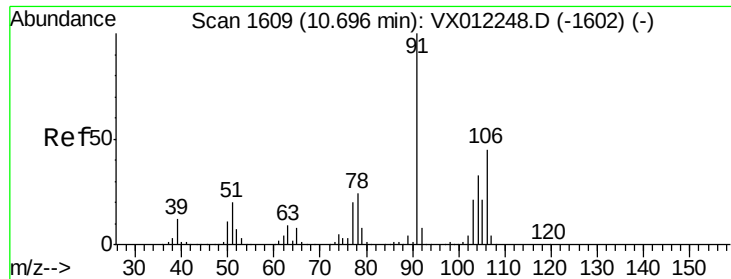
Tgt Ion: 106 Resp: 112640

Ion Ratio Lower Upper

106 100

91 210.5 167.0 250.6

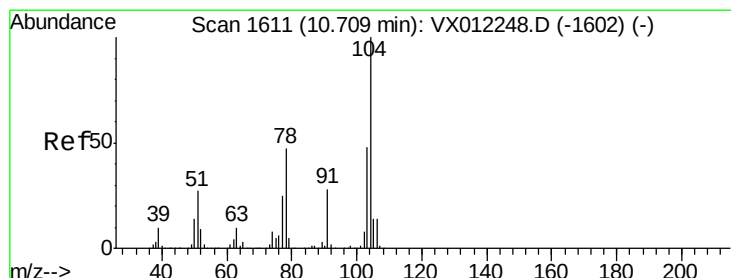
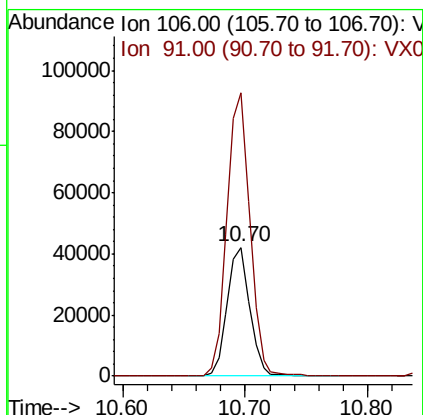
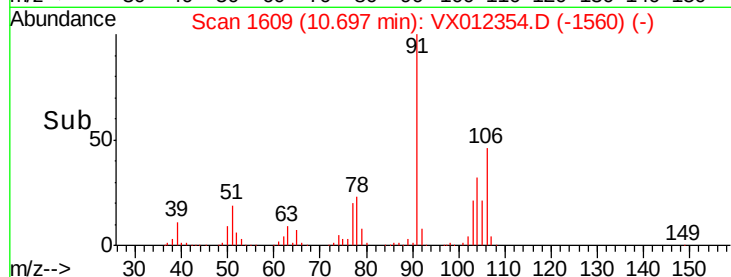
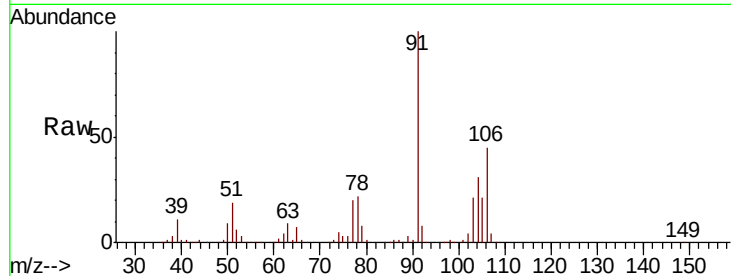




#69
o-Xylene
Concen: 20.371 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

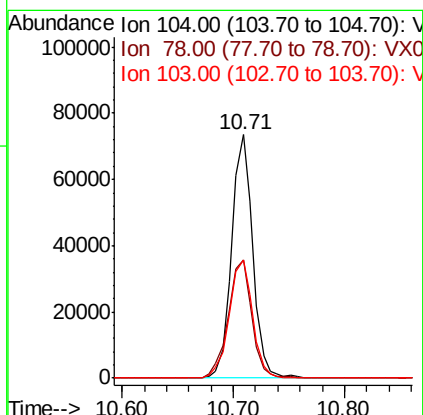
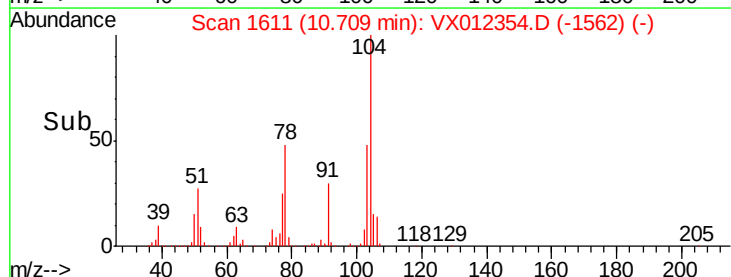
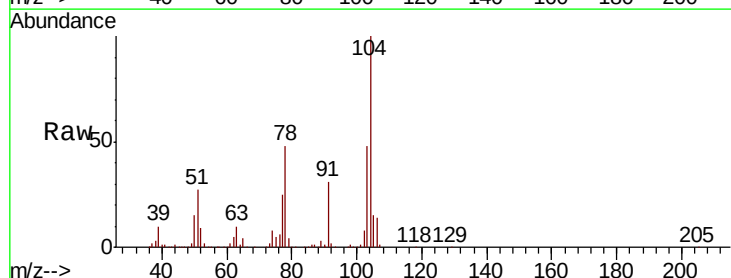
Instrument :
MSVOA_X
ClientSampleId :
VX0912SBSD02

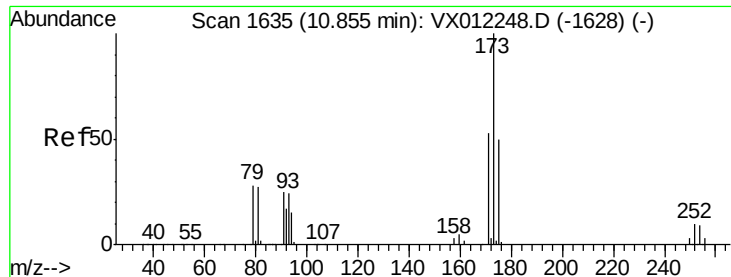
Tgt Ion:106 Resp: 54343
Ion Ratio Lower Upper
106 100
91 221.8 110.5 331.4



#70
Styrene
Concen: 20.341 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:104 Resp: 96239
Ion Ratio Lower Upper
104 100
78 54.9 44.2 66.2
103 54.4 42.5 63.7





#71

Bromoform

Concen: 19.491 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

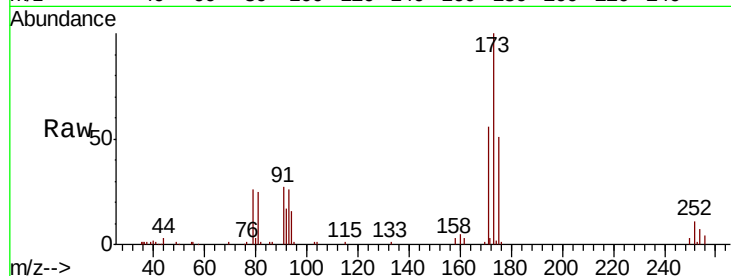
Tgt Ion:173 Resp: 15848

Ion Ratio Lower Upper

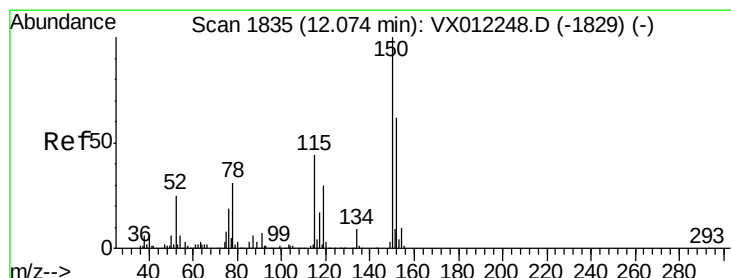
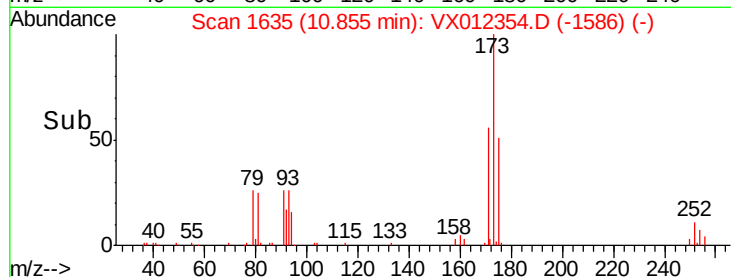
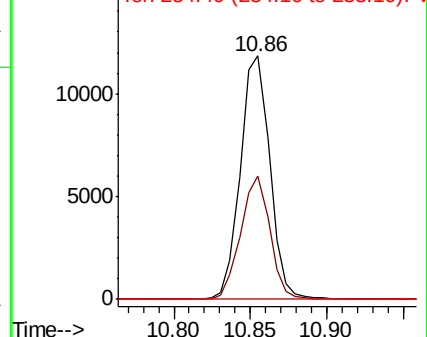
173 100

175 50.1 24.5 73.5

254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

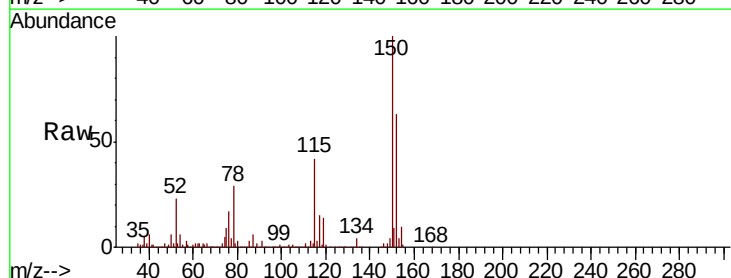
Tgt Ion:152 Resp: 116127

Ion Ratio Lower Upper

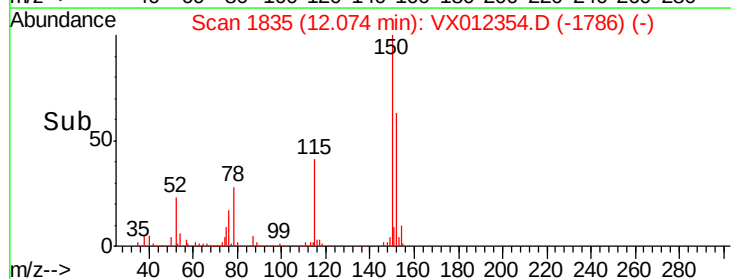
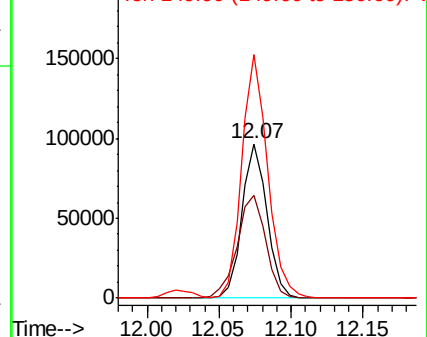
152 100

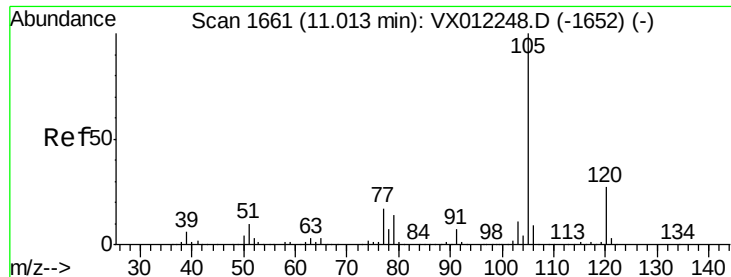
115 76.6 45.5 136.4

150 164.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.421 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

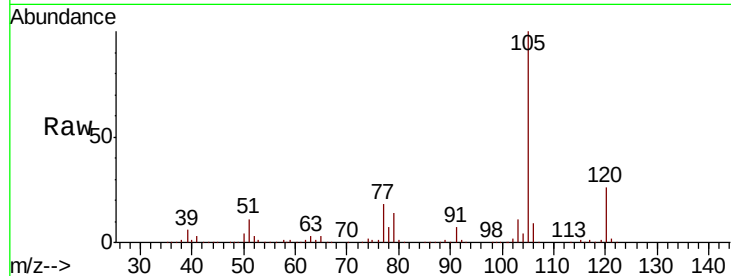
VX0912SBSD02

Tgt Ion:105 Resp: 148474

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

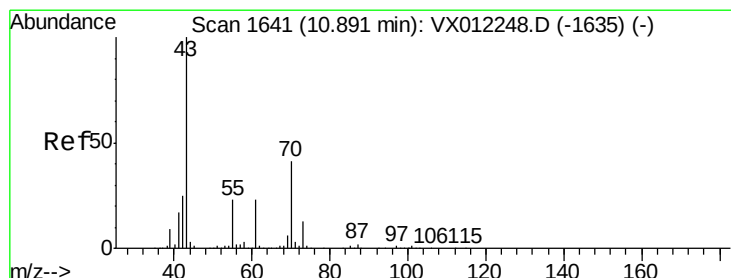
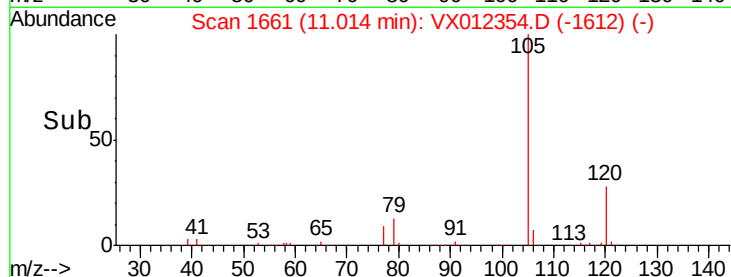
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 19.300 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Tgt Ion: 43 Resp: 43872

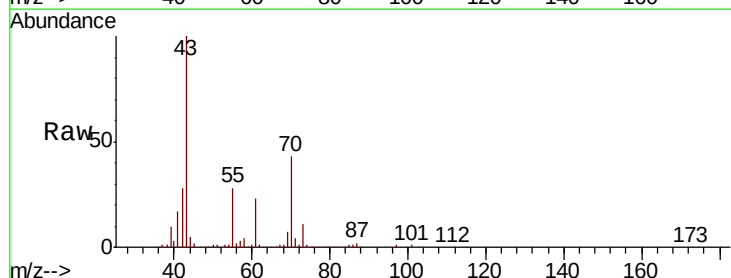
Ion Ratio Lower Upper

43 100

70 41.7 32.9 49.3

55 25.7 19.1 28.7

61 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.89

50000

40000

30000

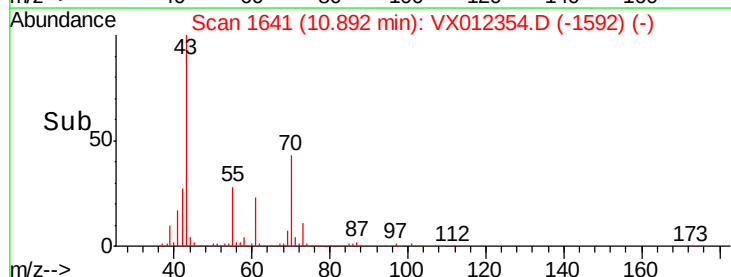
20000

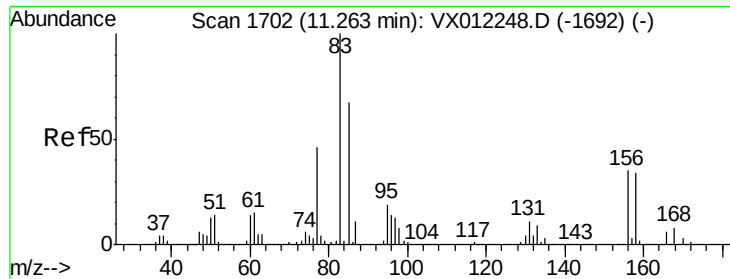
10000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 21.224 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

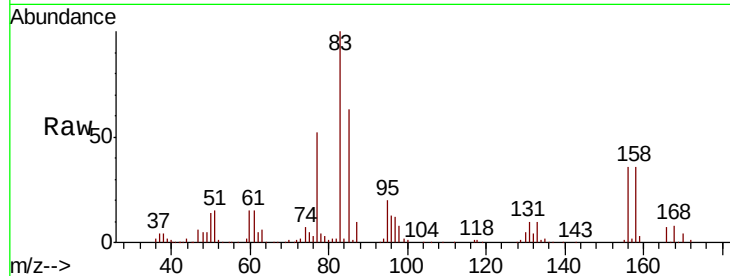
Tgt Ion: 83 Resp: 34847

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

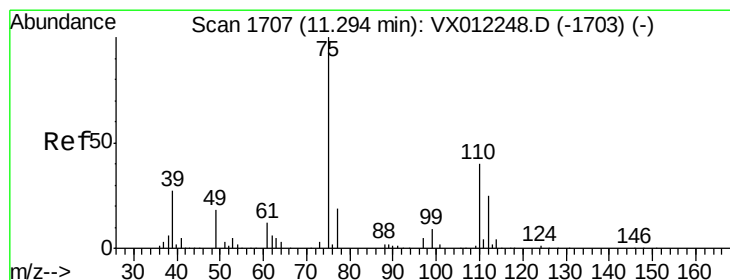
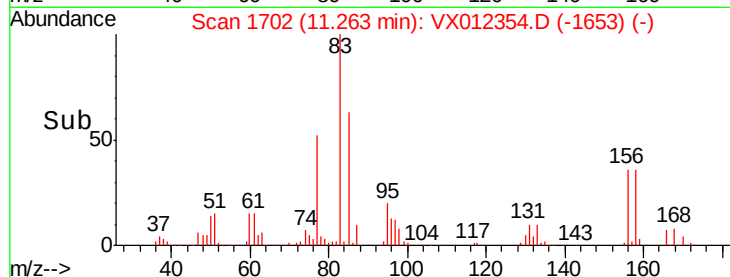
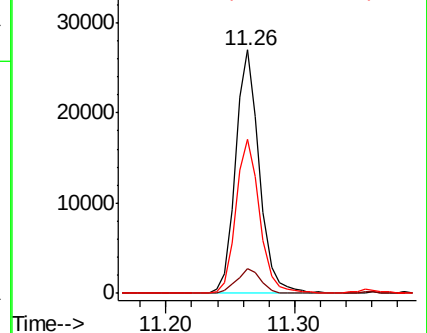
85 63.6 32.8 98.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.694 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012354.D

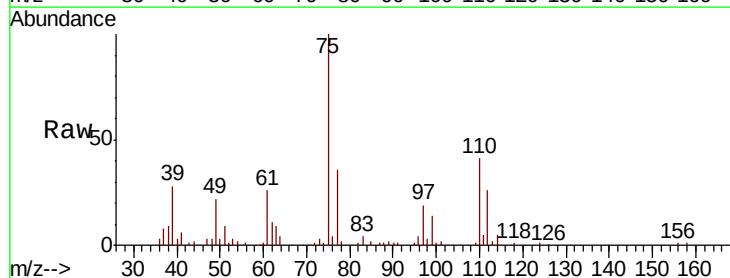
Acq: 12 Sep 2019 18:23

Tgt Ion: 75 Resp: 35348

Ion Ratio Lower Upper

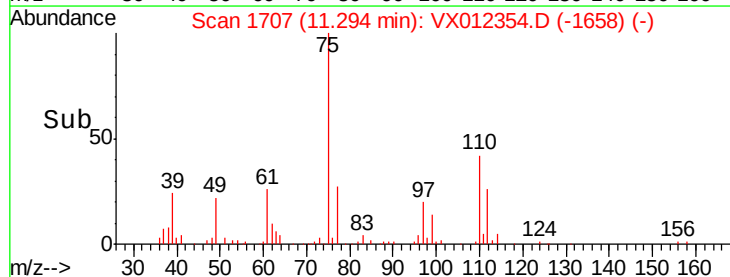
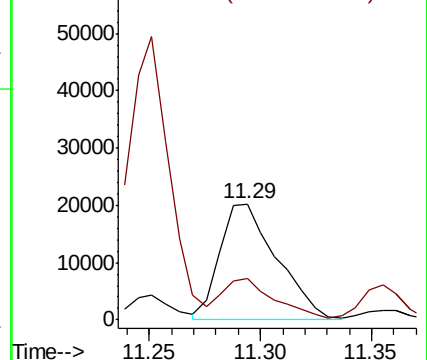
75 100

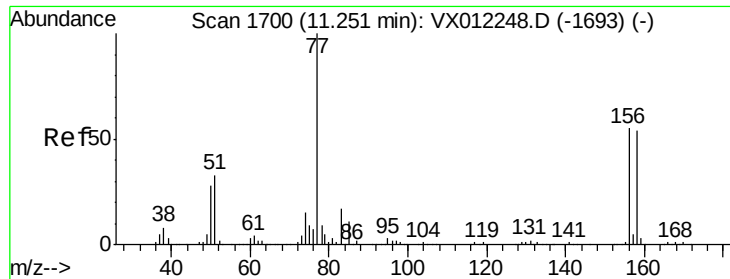
77 33.2 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBSD02

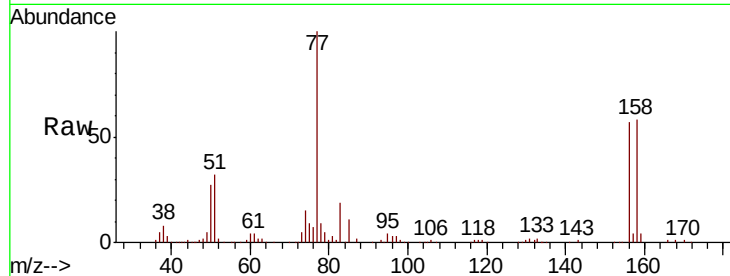
Tgt Ion:156 Resp: 36131

Ion Ratio Lower Upper

156 100

77 179.2 92.2 276.6

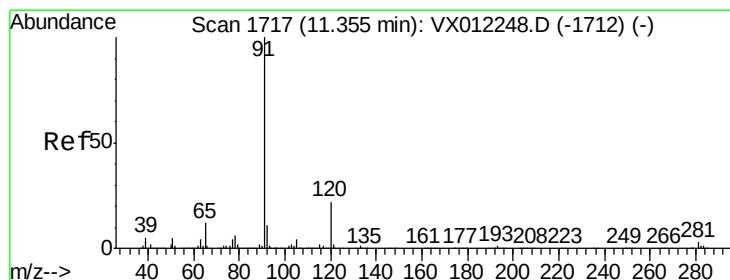
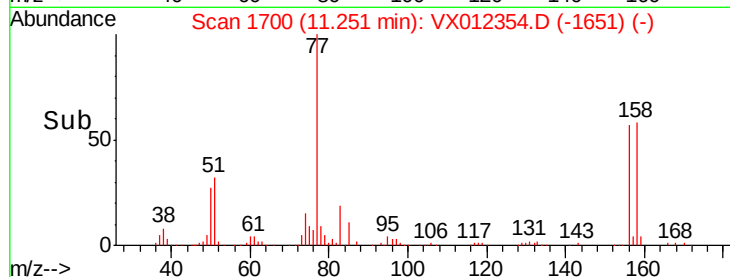
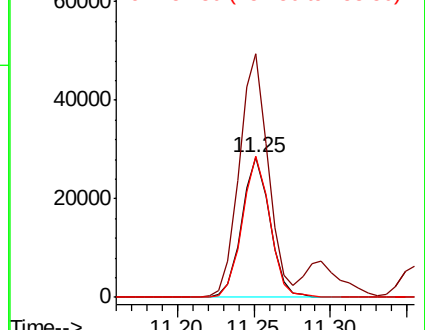
158 98.7 48.8 146.3



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: 19.659 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012354.D

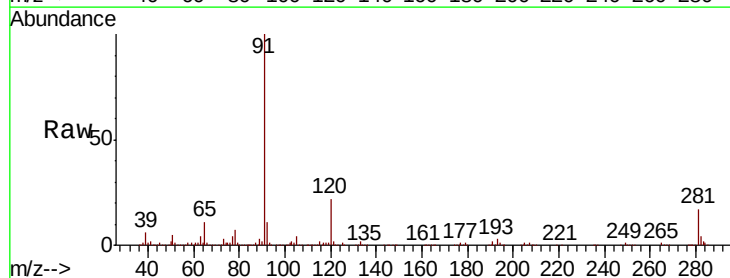
Acq: 12 Sep 2019 18:23

Tgt Ion: 91 Resp: 181491

Ion Ratio Lower Upper

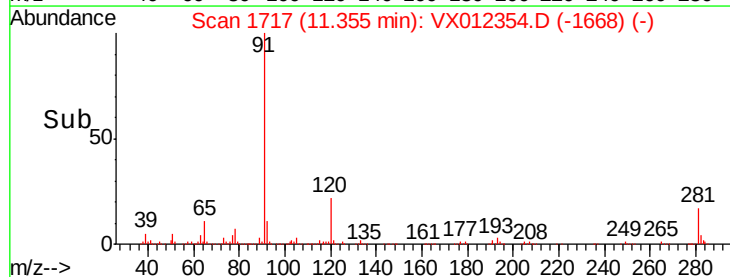
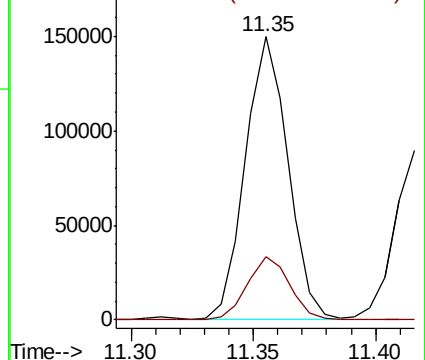
91 100

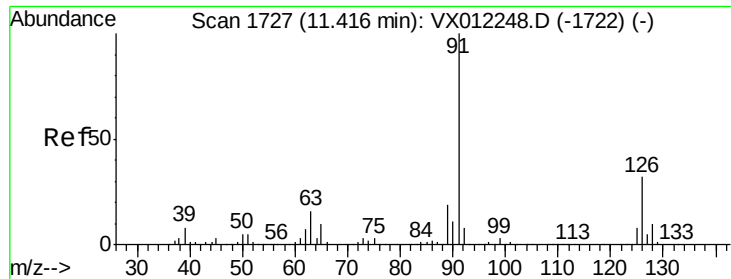
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

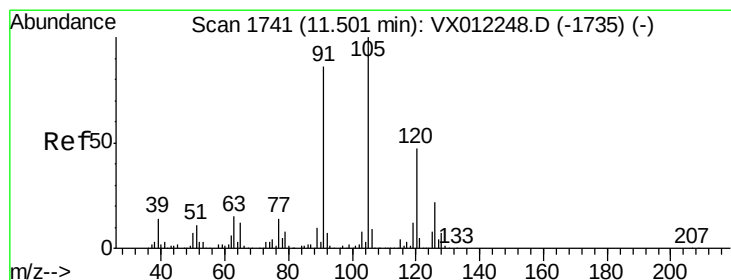
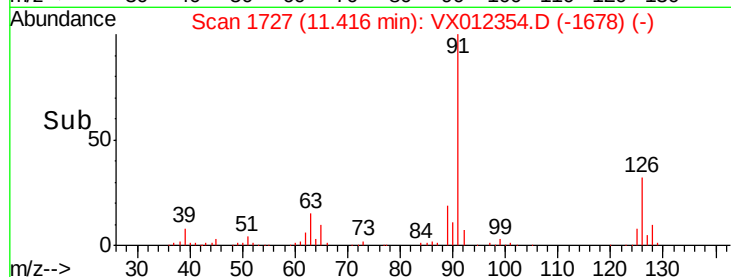
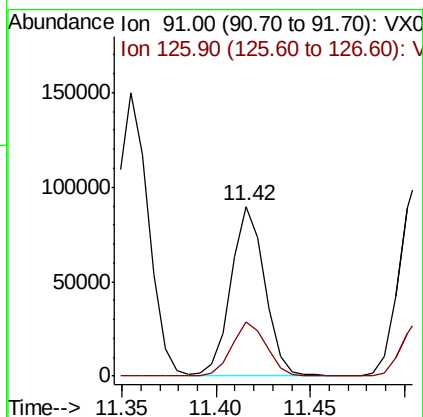
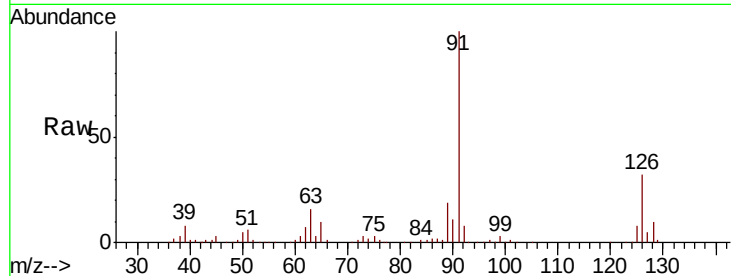




#79
 2-Chlorotoluene
 Concen: 19.378 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

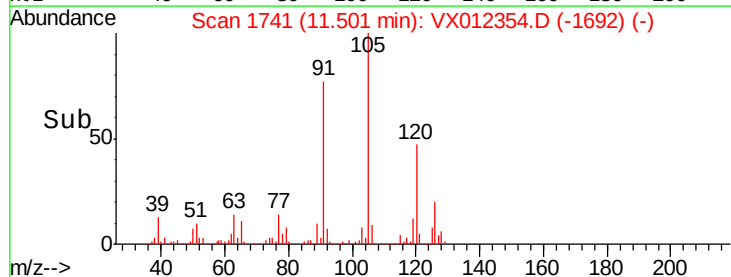
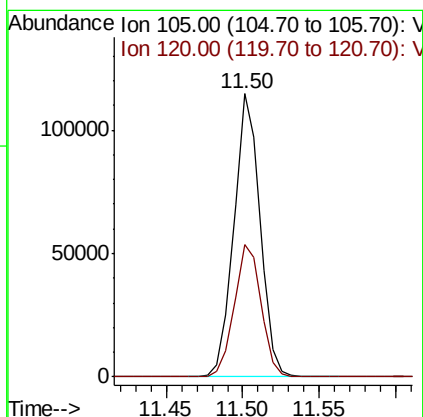
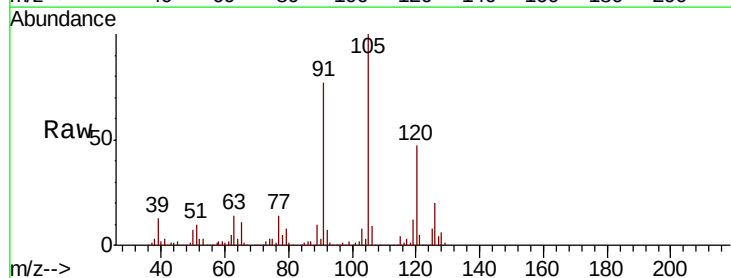
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBSD02

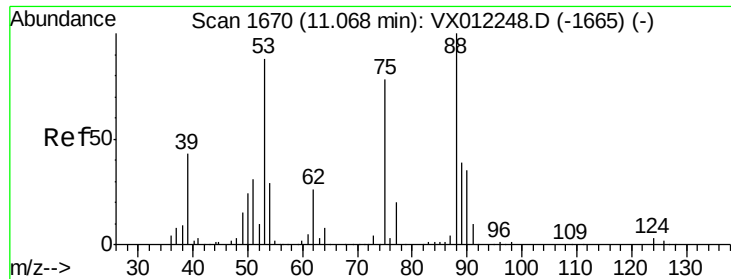
Tgt Ion: 91 Resp: 110838
 Ion Ratio Lower Upper
 91 100
 126 32.9 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.691 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 105 Resp: 135374
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.825 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

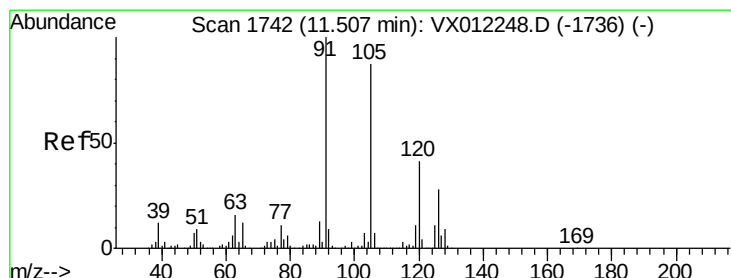
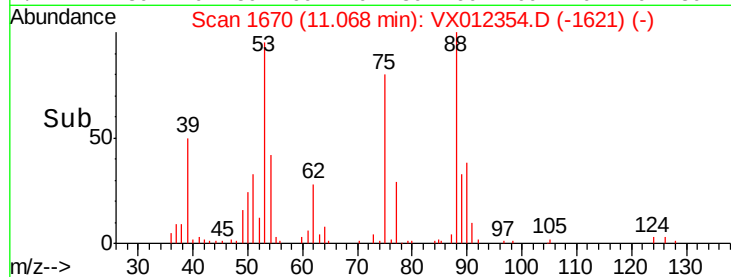
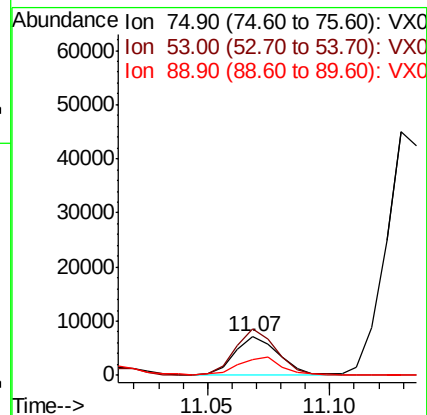
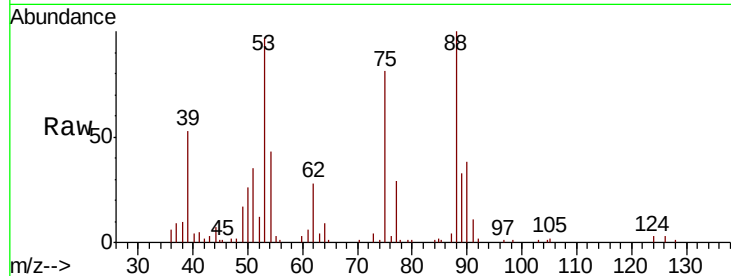
Tgt Ion: 75 Resp: 8875

Ion Ratio Lower Upper

75 100

53 111.6 88.1 132.1

89 48.2 43.5 65.3



#82

4-Chlorotoluene

Concen: 19.804 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012354.D

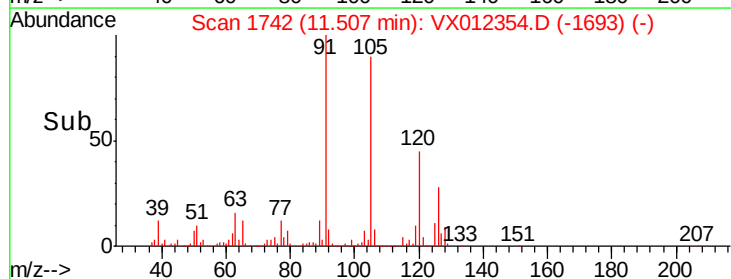
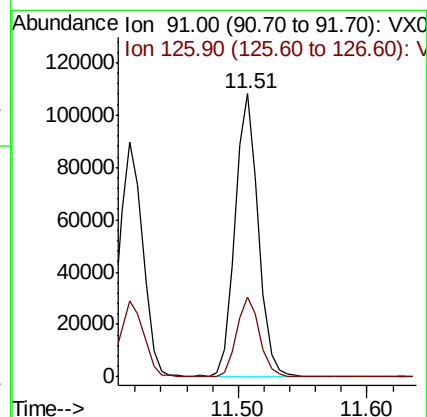
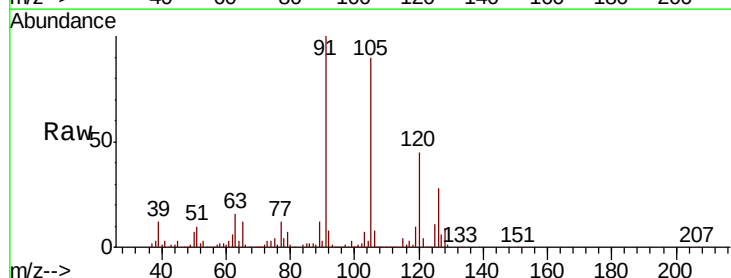
Acq: 12 Sep 2019 18:23

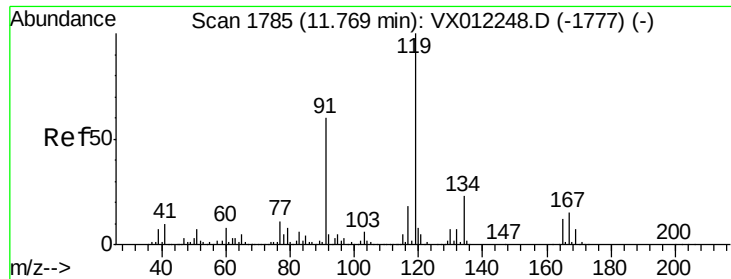
Tgt Ion: 91 Resp: 136129

Ion Ratio Lower Upper

91 100

126 28.2 14.0 42.0

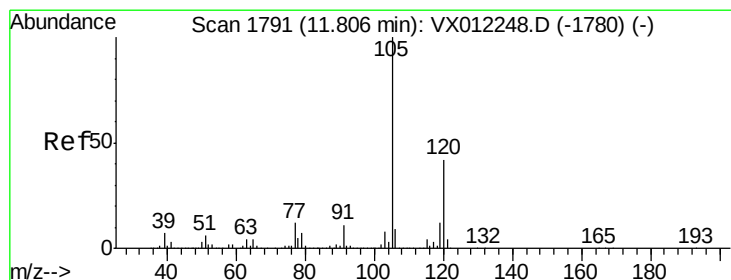
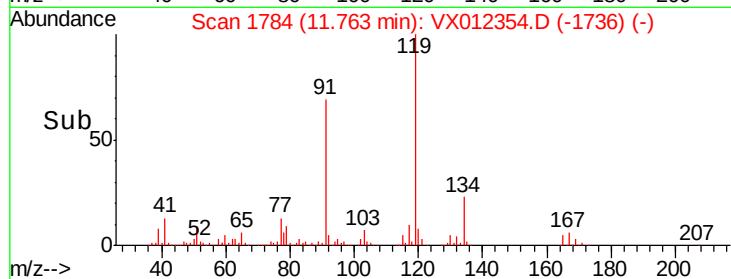
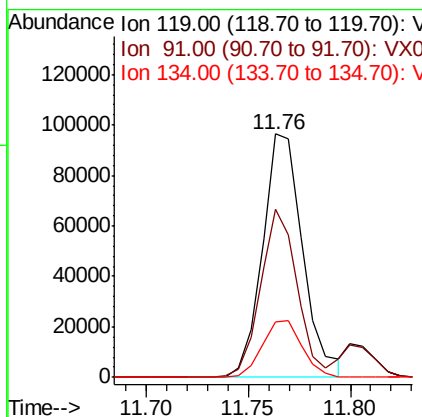
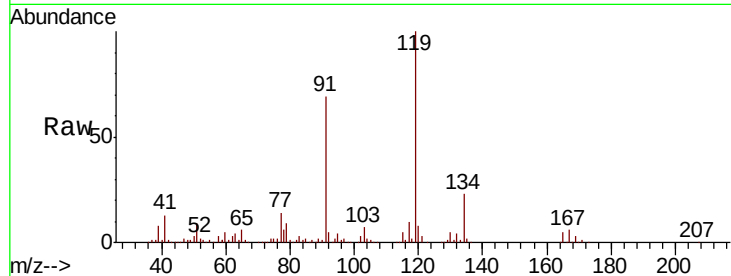




#83
 tert-Butylbenzene
 Concen: 19.879 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

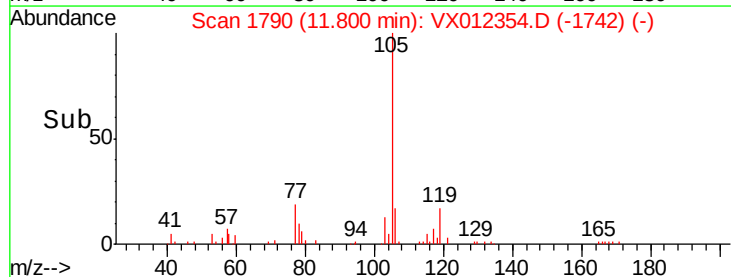
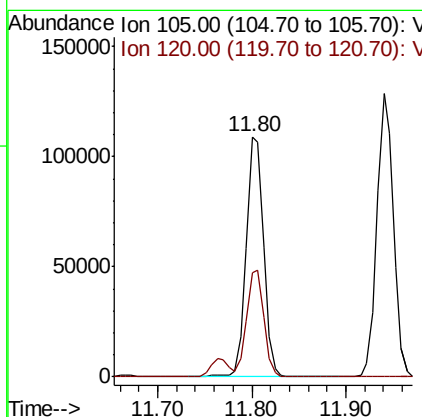
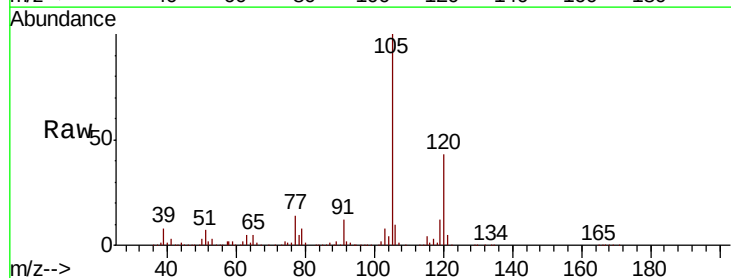
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

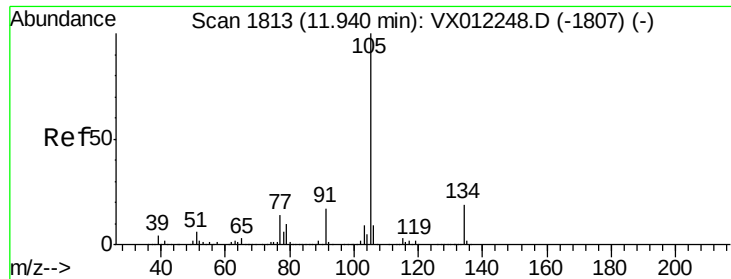
Tgt Ion:119 Resp: 132708
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.9 92.8
 134 23.0 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.698 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion:105 Resp: 139999
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.3 63.9





#85

sec-Butylbenzene

Concen: 19.575 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

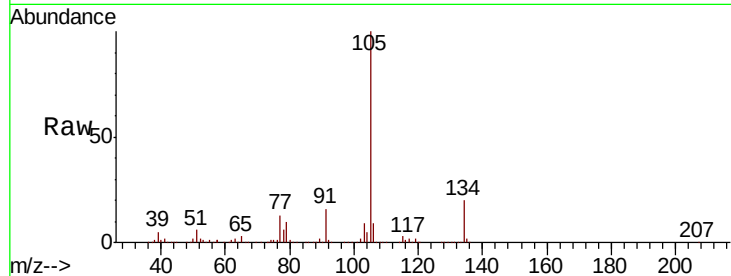
VX0912SBSD02

Tgt Ion:105 Resp: 155923

Ion Ratio Lower Upper

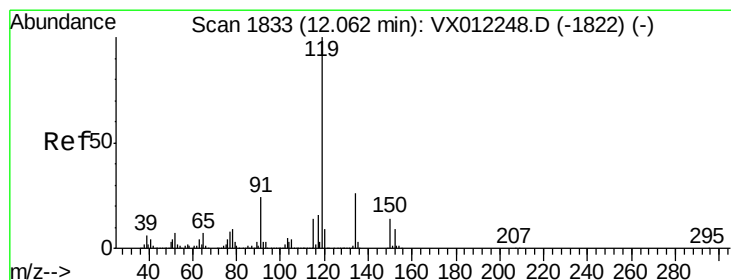
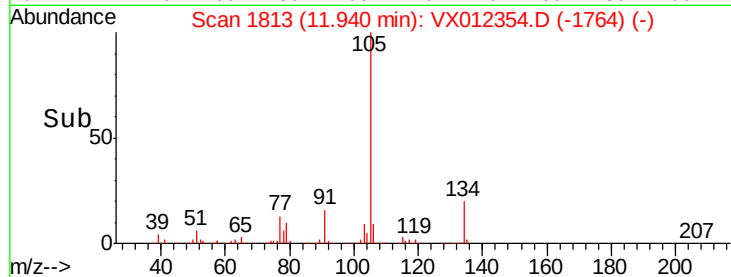
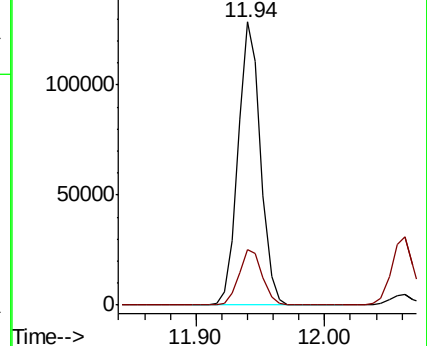
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.822 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

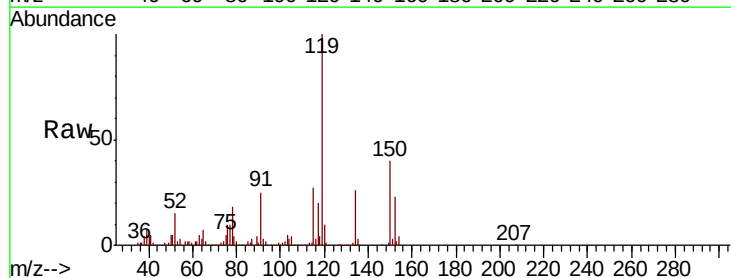
Tgt Ion:119 Resp: 145888

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

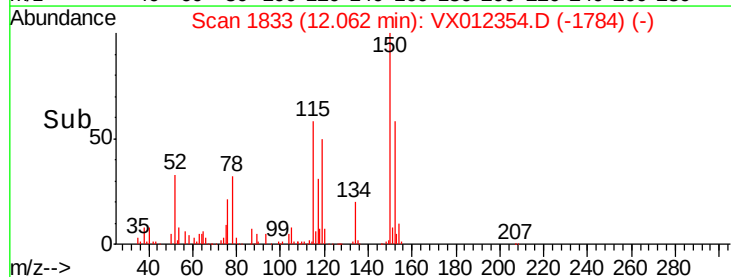
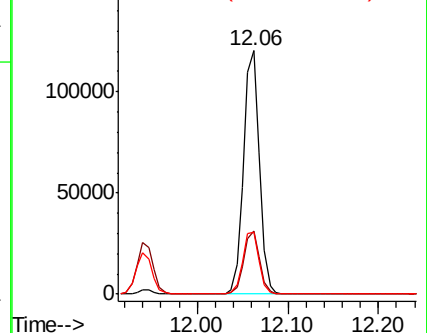
91 26.0 13.1 39.1

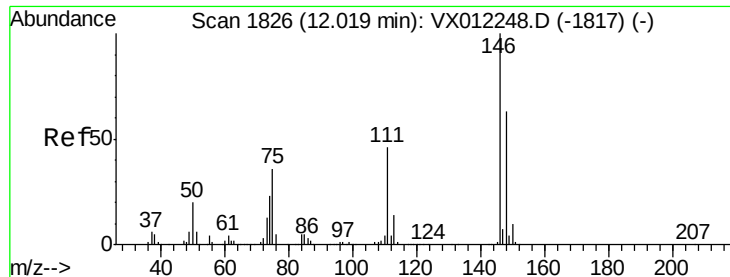


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

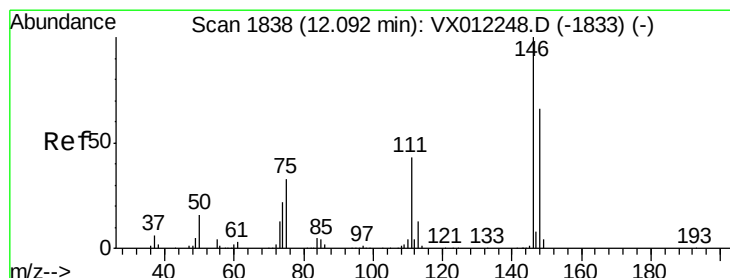
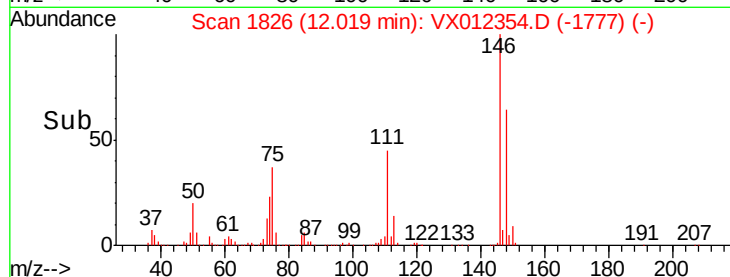
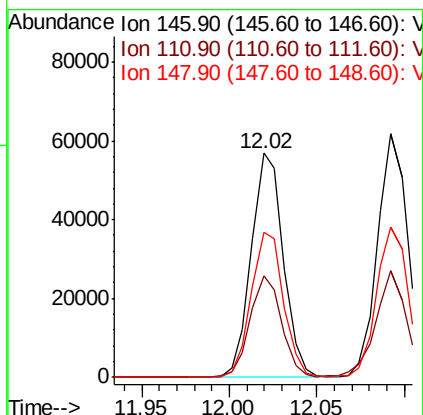
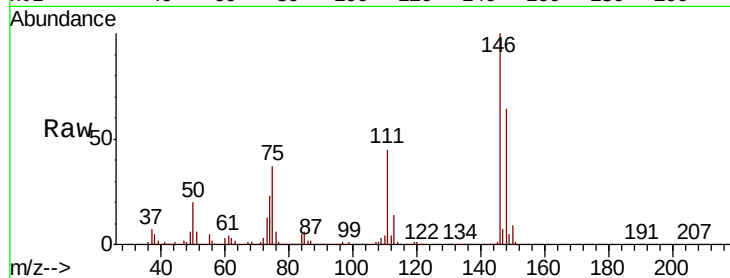




#87
 1,3-Dichlorobenzene
 Concen: 20.227 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

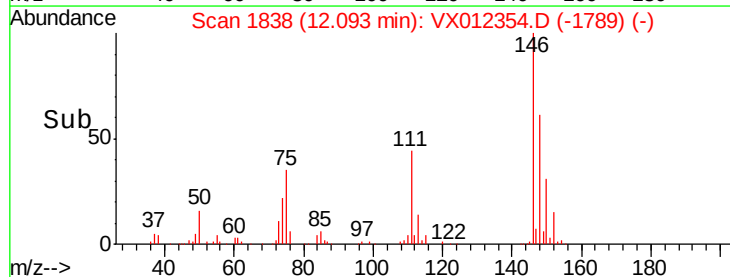
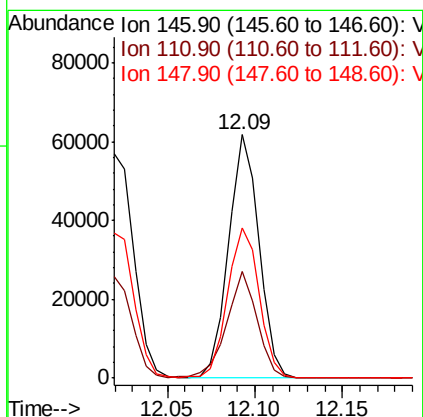
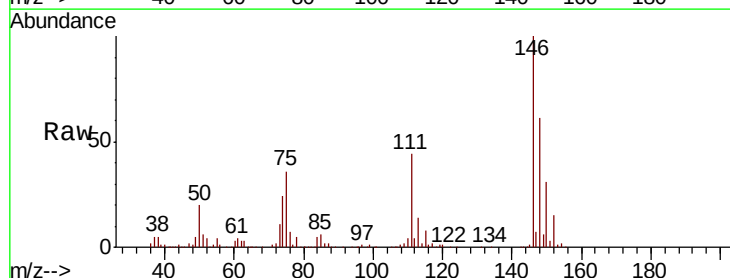
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

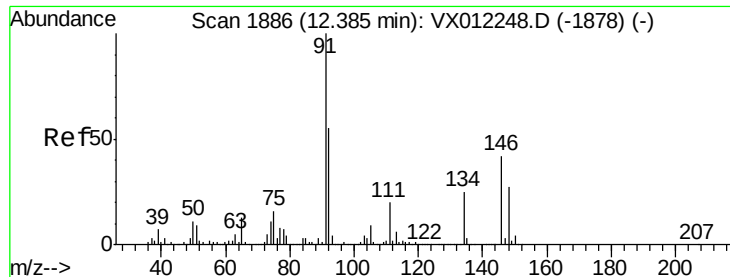
Tgt Ion:146 Resp: 72526
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.3 66.8
 148 65.0 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion:146 Resp: 74701
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.6 64.8
 148 64.3 32.4 97.2





#89

n-Butylbenzene

Concen: 19.506 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012354.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBS02

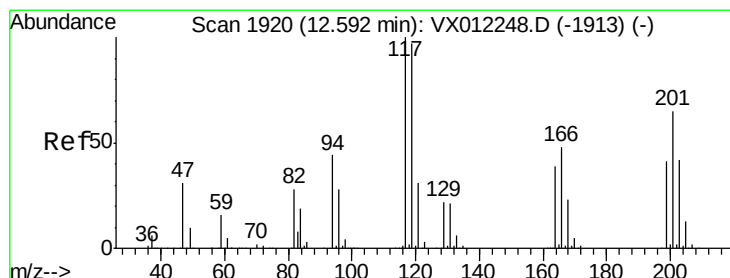
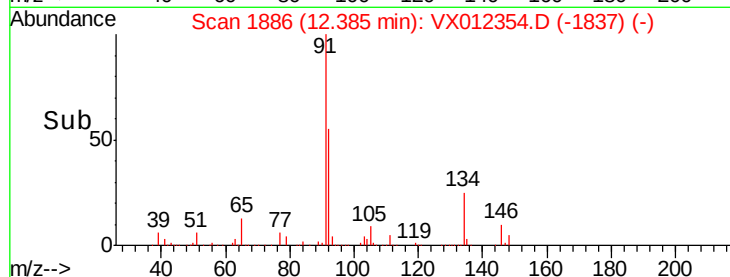
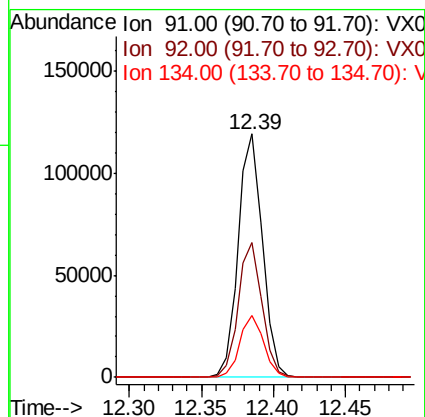
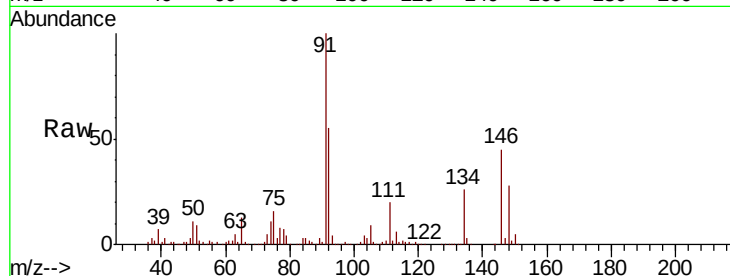
Tgt Ion: 91 Resp: 140710

Ion Ratio Lower Upper

91 100

92 54.3 27.6 82.7

134 25.3 12.5 37.5



#90

Hexachloroethane

Concen: 18.103 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012354.D

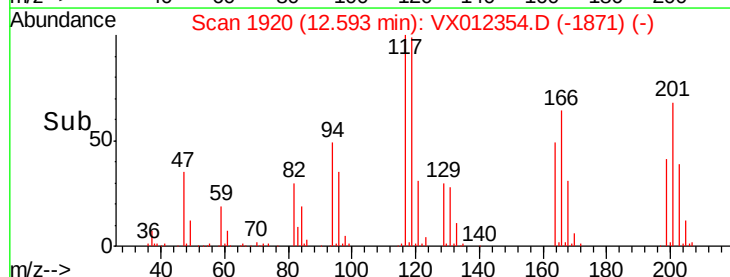
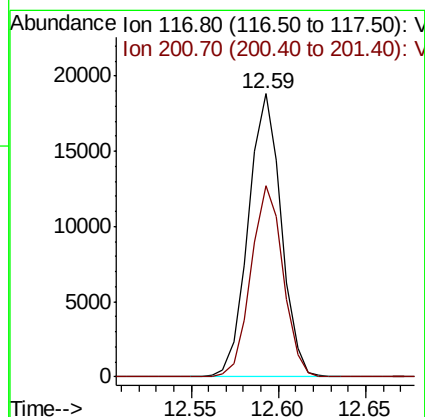
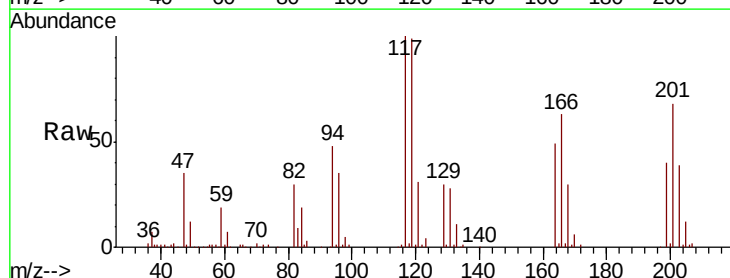
Acq: 12 Sep 2019 18:23

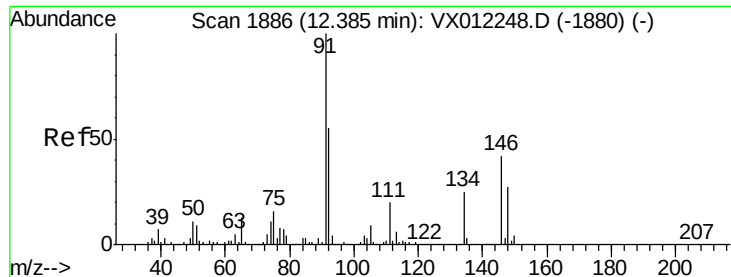
Tgt Ion: 117 Resp: 24541

Ion Ratio Lower Upper

117 100

201 65.8 32.2 96.6

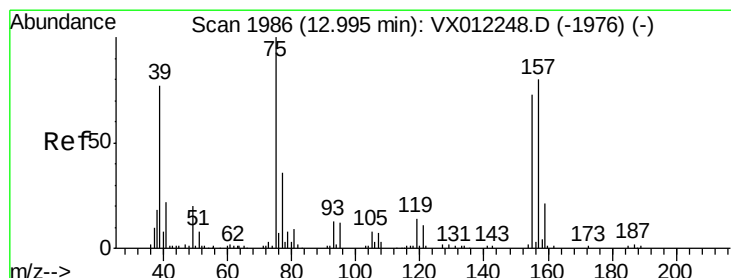
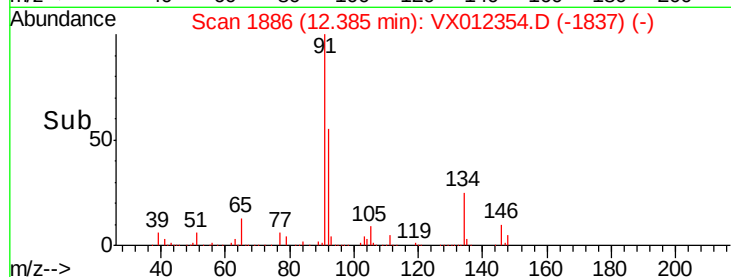
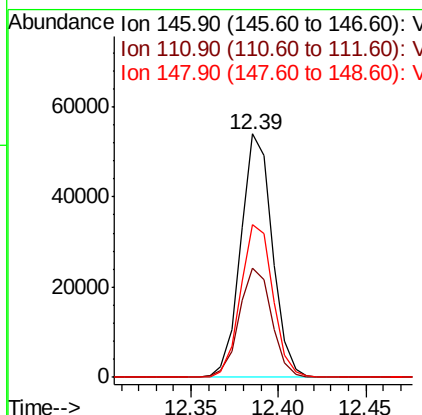
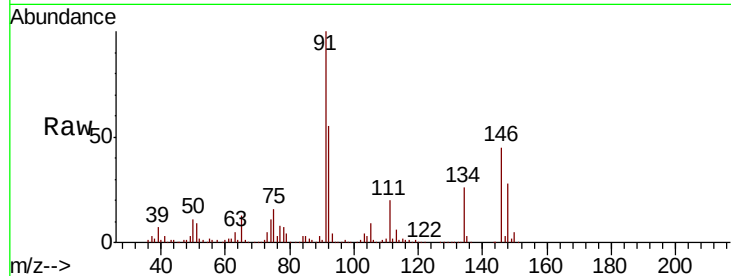




#91
 1,2-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

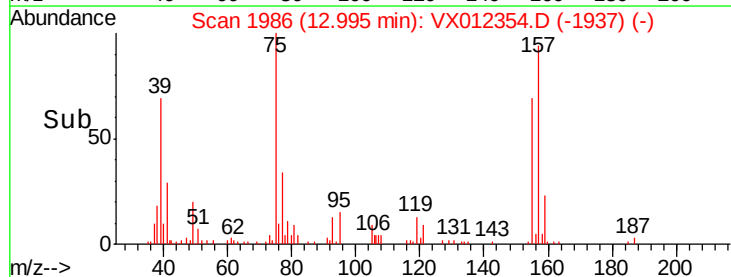
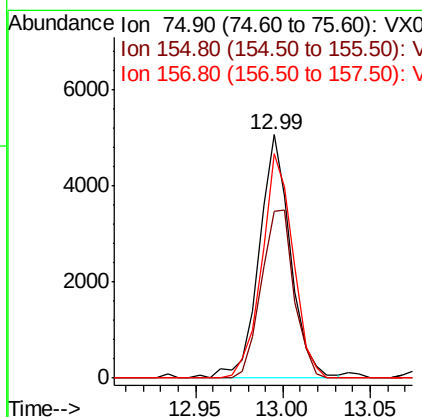
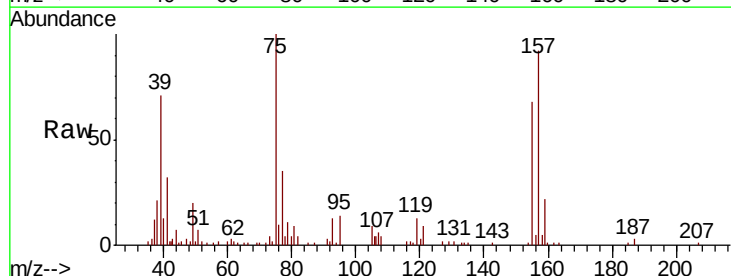
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

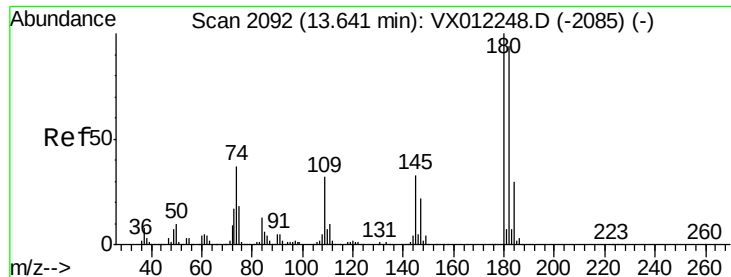
Tgt Ion: 146 Resp: 67728
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.2 69.6
 148 64.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.067 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion: 75 Resp: 6390
 Ion Ratio Lower Upper
 75 100
 155 72.2 35.3 105.7
 157 91.7 43.2 129.6

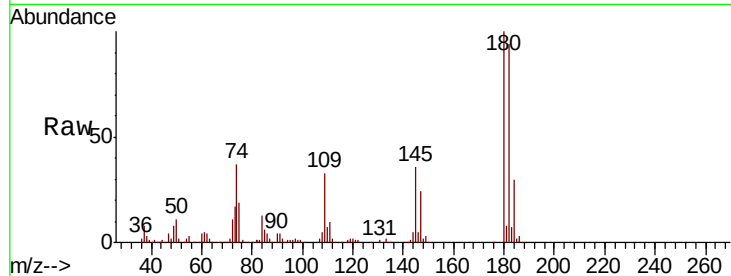




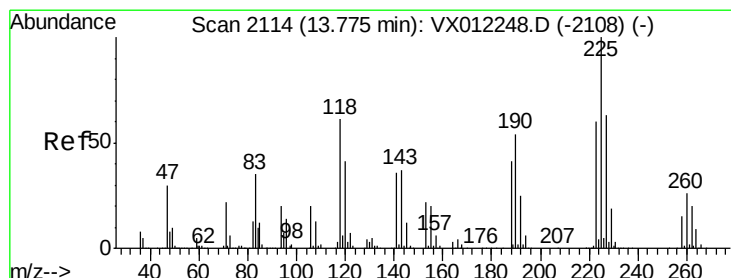
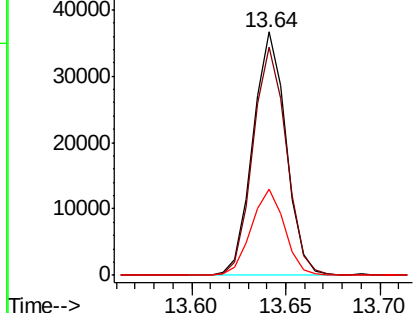
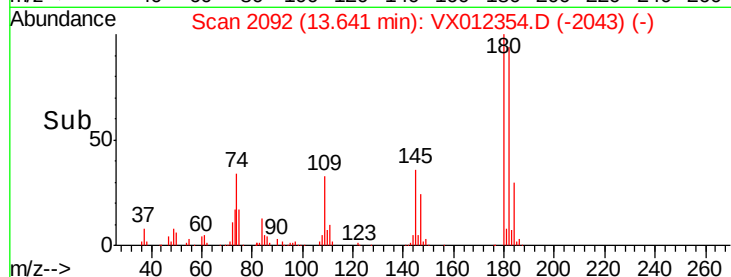
#93
 1,2,4-Trichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.8
145	35.7	17.1	51.2

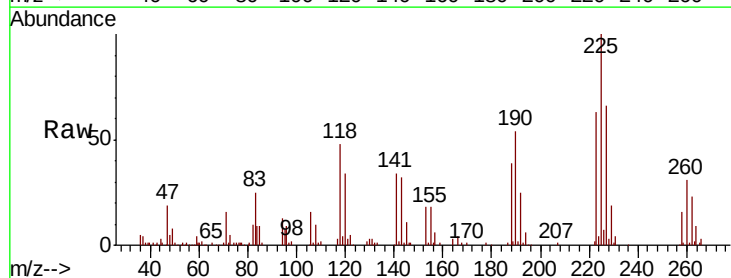


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

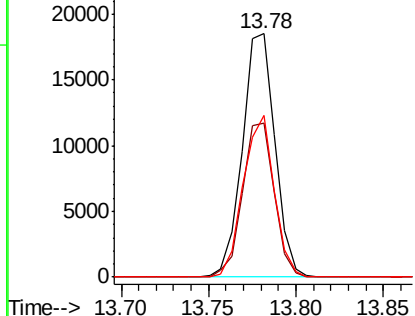
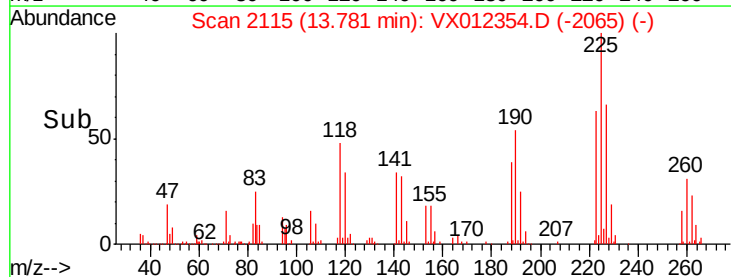


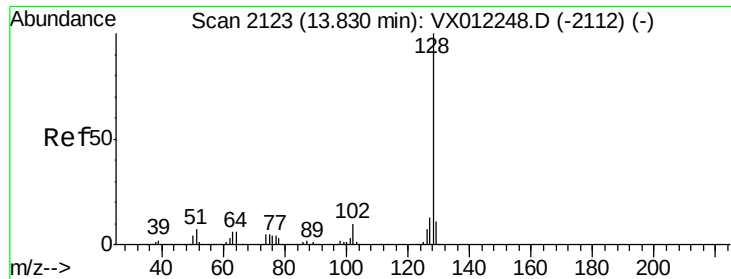
#94
 Hexachlorobutadiene
 Concen: 21.067 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012354.D
 Acq: 12 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.1	96.5
227	62.4	32.5	97.5



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

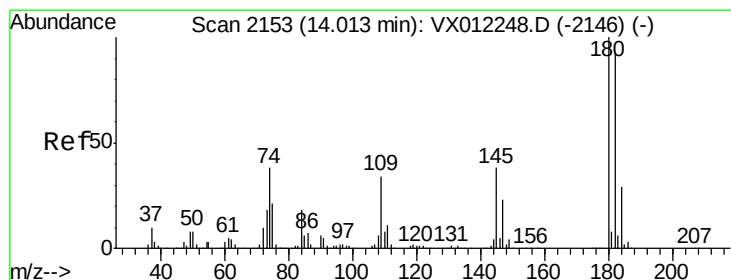
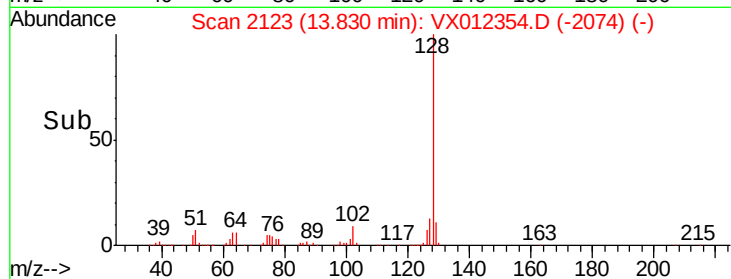
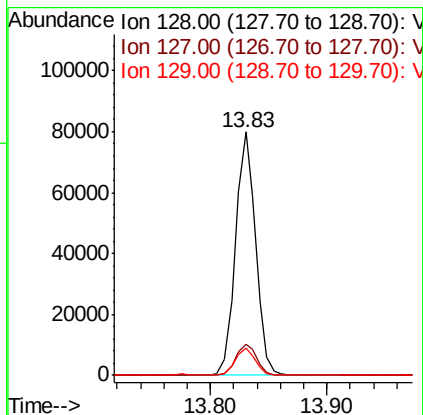
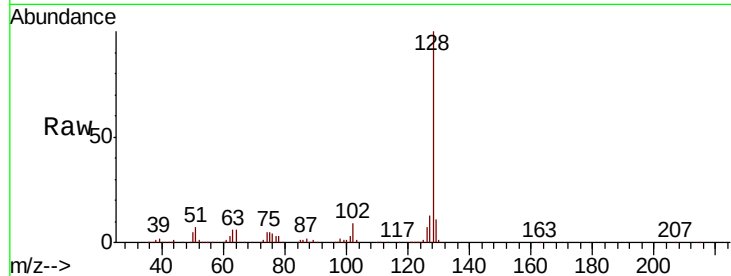




#95
Naphthalene
Concen: 19.520 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBS02

Tgt Ion:128 Resp: 95950
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.842 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012354.D
Acq: 12 Sep 2019 18:23

Tgt Ion:180 Resp: 40213
Ion Ratio Lower Upper
180 100
182 95.6 47.0 141.0
145 37.7 18.6 55.8

