

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009608.D
 Acq On : 16 May 2019 15:34
 Operator : JC/SP
 Sample : VX0516MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Quant Time: May 17 02:04:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108496	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	79844	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.71	98	318859	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	115798	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25794	17.144	ug/l	99
3) Chloromethane	1.32	50	40606	19.768	ug/l	99
4) Vinyl Chloride	1.40	62	39484	19.712	ug/l	100
5) Bromomethane	1.64	94	24743	20.581	ug/l	99
6) Chloroethane	1.72	64	26155	20.338	ug/l	99
7) Trichlorofluoromethane	1.93	101	48330	19.850	ug/l	97
8) Diethyl Ether	2.19	74	23540	20.411	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30012	19.629	ug/l	99
10) Methyl Iodide	2.51	142	33595	21.767	ug/l	99
11) Tert butyl alcohol	3.05	59	56249	109.025	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30707	20.044	ug/l	93
13) Acrolein	2.29	56	27846	59.597	ug/l	98
14) Allyl chloride	2.73	41	73277	19.627	ug/l	98
15) Acrylonitrile	3.14	53	132341	104.910	ug/l	99
16) Acetone	2.45	43	117919	98.528	ug/l	94
17) Carbon Disulfide	2.57	76	78895	18.343	ug/l	100
18) Methyl Acetate	2.78	43	62337	21.901	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	121703	20.458	ug/l	98
20) Methylene Chloride	2.85	84	38495	19.865	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	33563	20.201	ug/l	98
22) Diisopropyl ether	3.85	45	150983	21.029	ug/l	95
23) Vinyl Acetate	3.81	43	655972	106.695	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71062	20.063	ug/l	98
25) 2-Butanone	4.67	43	196000	105.387	ug/l	98
26) 2,2-Dichloropropane	4.59	77	45744	17.351	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	39993	20.167	ug/l	99
28) Bromochloromethane	5.02	49	26643	16.871	ug/l	99
29) Tetrahydrofuran	5.13	42	130070	108.684	ug/l	99
30) Chloroform	5.21	83	65875	20.564	ug/l	96
31) Cyclohexane	5.58	56	65986	20.025	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	53110	19.916	ug/l	99
36) 1,1-Dichloropropene	5.80	75	48558	19.900	ug/l	100
37) Ethyl Acetate	4.84	43	73771	21.699	ug/l	99
38) Carbon Tetrachloride	5.79	117	43847	19.778	ug/l	94

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Quant Time: May 17 02:04:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57423	19.162	ug/l	97
40) Benzene	6.14	78	153348	20.306	ug/l	99
41) Methacrylonitrile	5.04	41	40432	19.978	ug/l	98
42) 1,2-Dichloroethane	6.19	62	56464	20.844	ug/l	100
43) Isopropyl Acetate	6.45	43	114446	21.045	ug/l	99
44) Trichloroethene	7.21	130	35278	19.324	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44681	20.895	ug/l	99
46) Dibromomethane	7.66	93	24846	20.009	ug/l	97
47) Bromodichloromethane	7.90	83	49764	20.091	ug/l	100
48) Methyl methacrylate	7.77	41	57460	21.297	ug/l	100
49) 1,4-Dioxane	7.74	88	23114	422.443	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	388622	109.333	ug/l	99
52) Toluene	8.79	92	93671	20.405	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	54952	19.650	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61644	19.915	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	38920	20.782	ug/l	94
56) Ethyl methacrylate	9.18	69	69251	20.715	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67940	20.615	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	163492	92.188	ug/l	99
59) 2-Hexanone	9.49	43	302522	108.367	ug/l	98
60) Dibromochloromethane	9.58	129	36994	20.225	ug/l	100
61) 1,2-Dibromoethane	9.67	107	38764	20.505	ug/l	100
64) Tetrachloroethene	9.34	164	31630	19.313	ug/l	98
65) Chlorobenzene	10.13	112	95728	20.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	35527	20.518	ug/l	98
67) Ethyl Benzene	10.25	91	178297	20.284	ug/l	99
68) m/p-Xylenes	10.36	106	129698	40.378	ug/l	98
69) o-Xylene	10.69	106	63816	20.136	ug/l	99
70) Styrene	10.71	104	111882	20.312	ug/l	100
71) Bromoform	10.85	173	27464	19.518	ug/l #	98
73) Isopropylbenzene	11.02	105	169548	19.834	ug/l	99
74) N-amyl acetate	10.90	43	104431	20.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	66087	20.738	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	74939	27.482	ug/l	81
77) Bromobenzene	11.26	156	42129	19.856	ug/l	99
78) n-propylbenzene	11.36	91	193475	19.818	ug/l	100
79) 2-Chlorotoluene	11.42	91	117926	19.579	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	143387	19.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19594	18.385	ug/l	92
82) 4-Chlorotoluene	11.51	91	133296	19.590	ug/l	100
83) tert-Butylbenzene	11.77	119	137941	19.700	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	144394	19.986	ug/l	99
85) sec-Butylbenzene	11.94	105	162321	19.554	ug/l	100
86) p-Isopropyltoluene	12.06	119	149038	19.971	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72811	19.250	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74154	19.446	ug/l	98
89) n-Butylbenzene	12.38	91	129581	19.211	ug/l	99
90) Hexachloroethane	12.60	117	24189	19.025	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	76488	19.854	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14791	20.690	ug/l	99

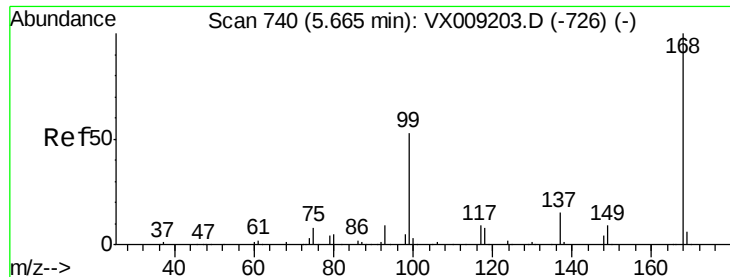
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52697	20.003	ug/l	99
94) Hexachlorobutadiene	13.78	225	26835	19.947	ug/l	99
95) Naphthalene	13.83	128	175040	20.422	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53581	20.064	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

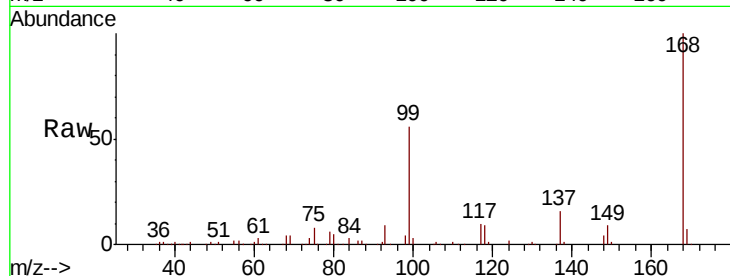
VX0516MBSD01

Tot Ion:168 Resp: 163272

Ion Ratio Lower Upper

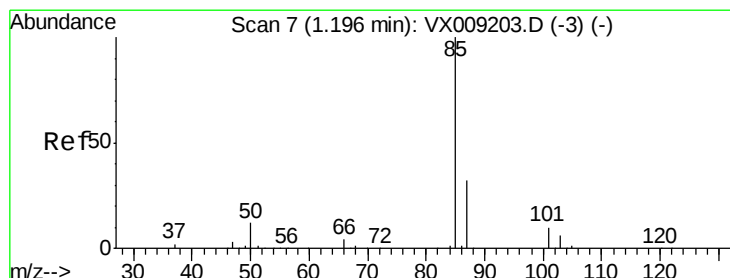
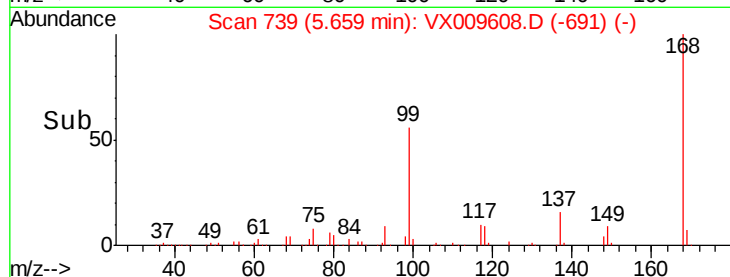
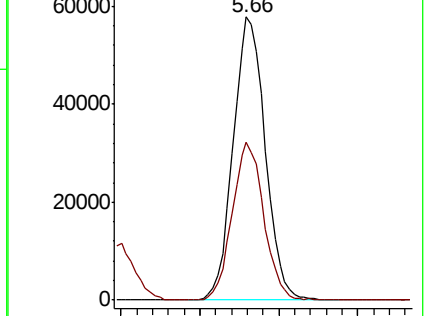
168 100

99 55.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.144 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009608.D

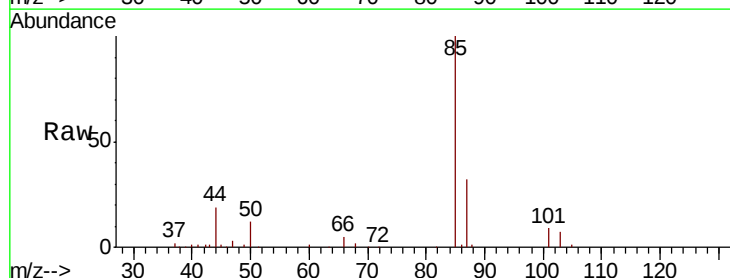
Acq: 16 May 2019 15:34

Tgt Ion: 85 Resp: 25794

Ion Ratio Lower Upper

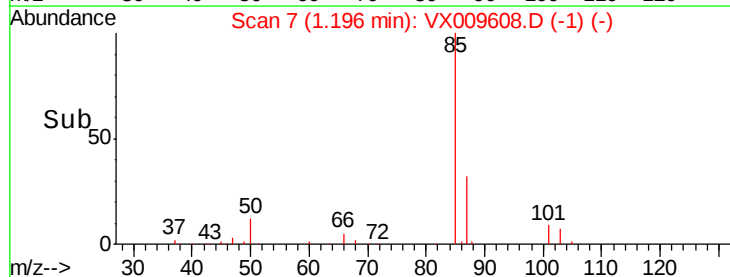
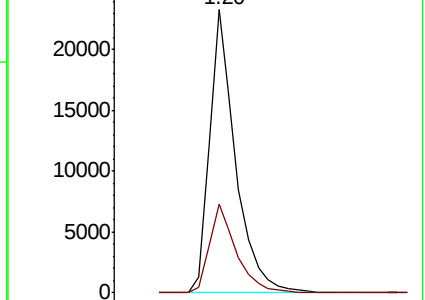
85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

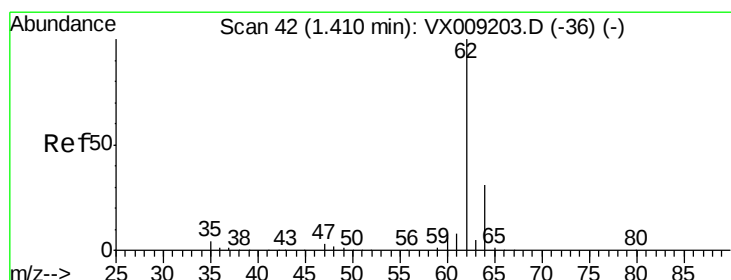
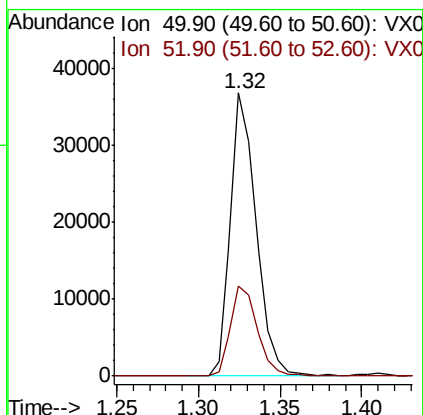
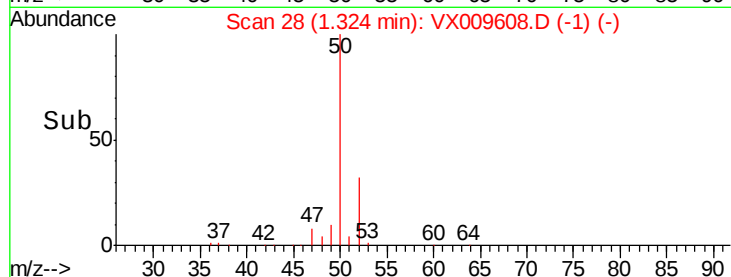
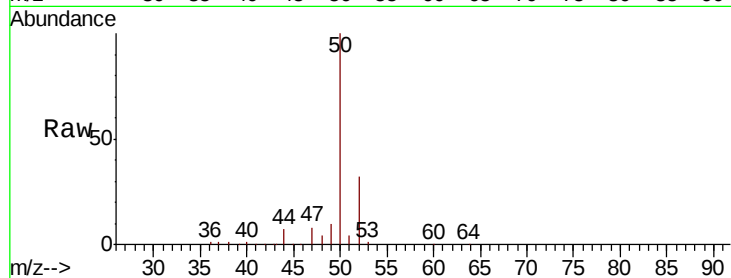




#3
Chloromethane
Concen: 19.768 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

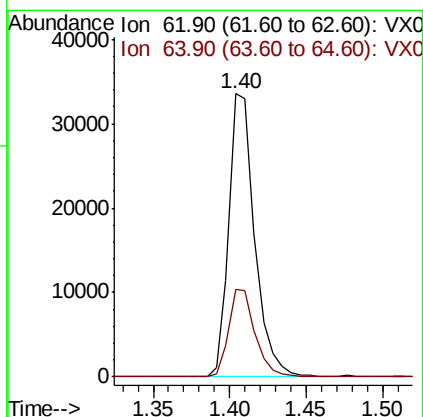
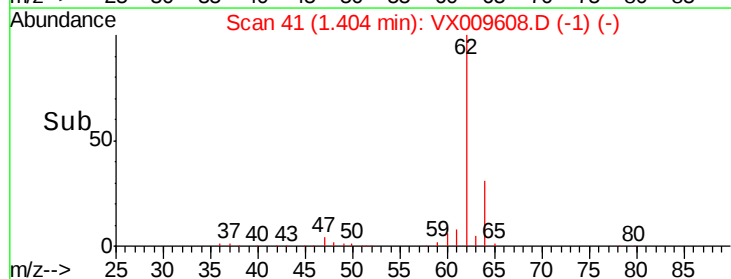
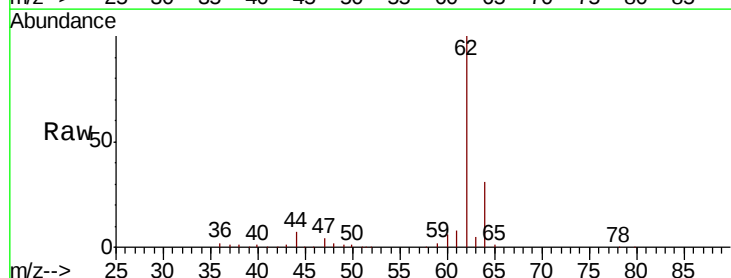
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

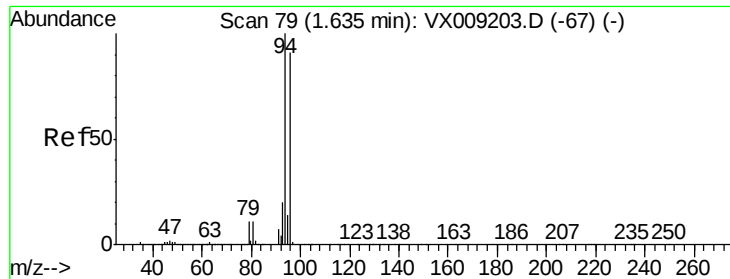
Tot Ion: 50 Resp: 40606
Ion Ratio Lower Upper
50 100
52 31.6 25.9 38.9



#4
Vinyl Chloride
Concen: 19.712 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 62 Resp: 39484
Ion Ratio Lower Upper
62 100
64 30.9 24.6 36.8





#5

Bromomethane

Concen: 20.581 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

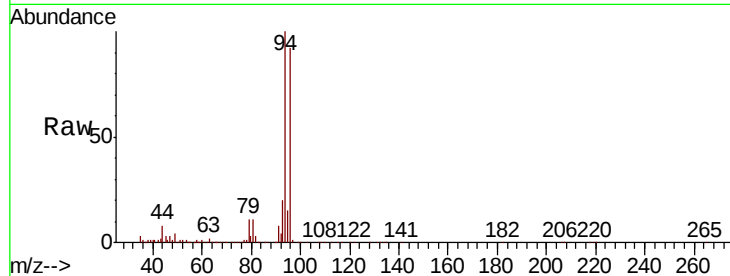
VX0516MBSD01

Tot Ion: 94 Resp: 24743

Ion Ratio Lower Upper

94 100

96 92.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

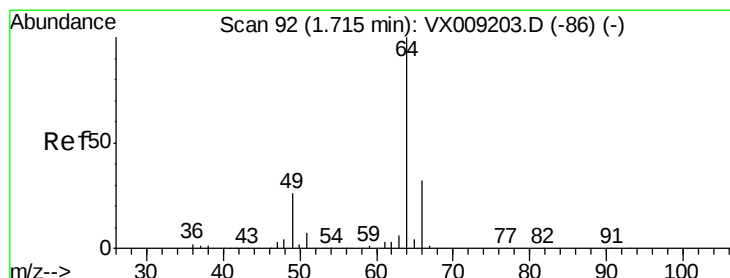
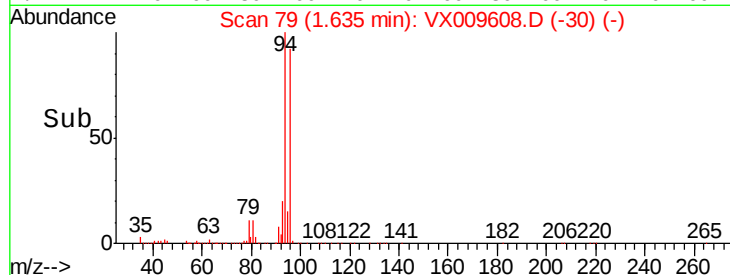
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 20.338 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009608.D

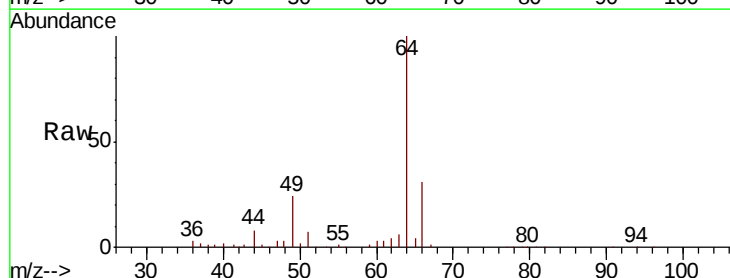
Acq: 16 May 2019 15:34

Tgt Ion: 64 Resp: 26155

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

15000

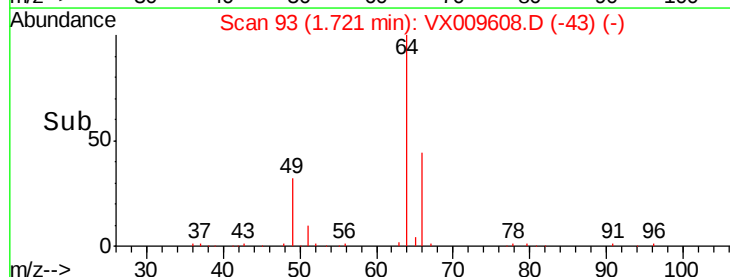
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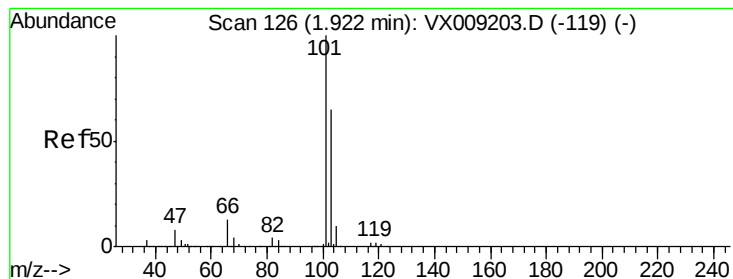
5000

0

Time-->

1.65 1.70 1.75 1.80 1.85



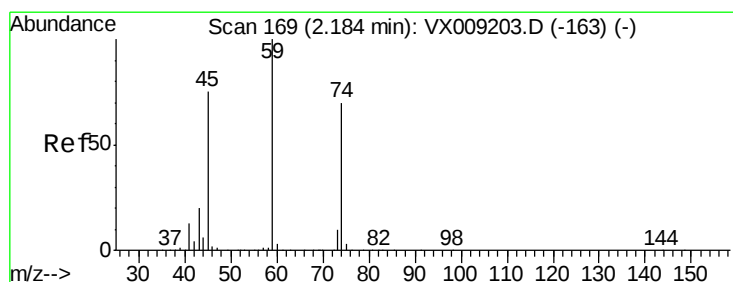
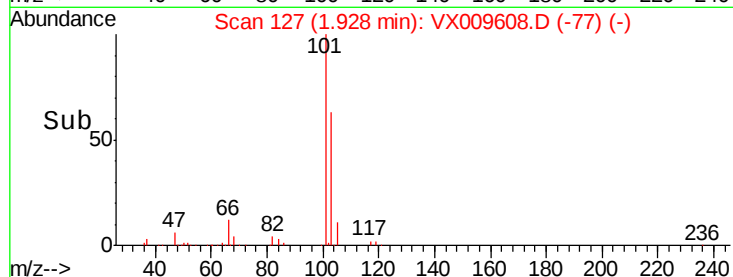
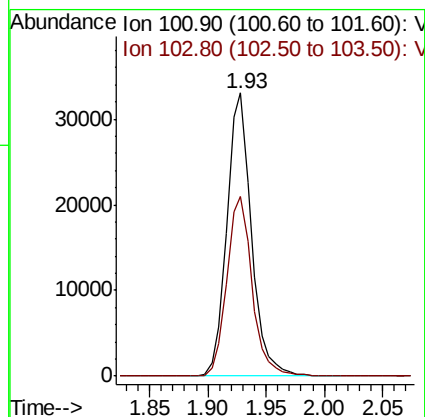
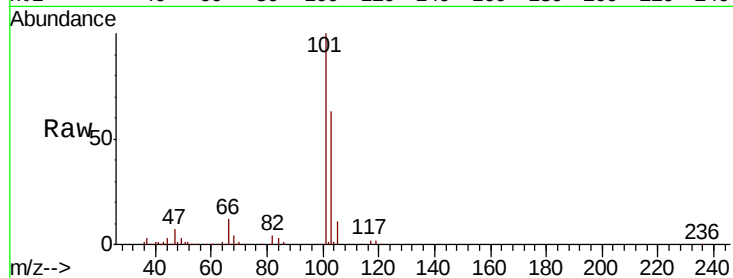


#7

Trichlorofluoromethane
 Concen: 19.850 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

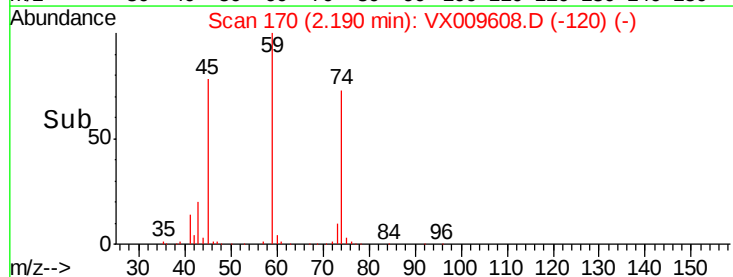
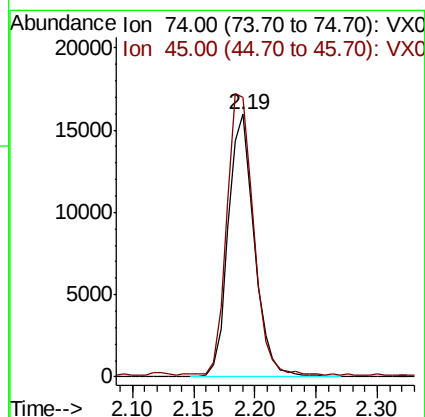
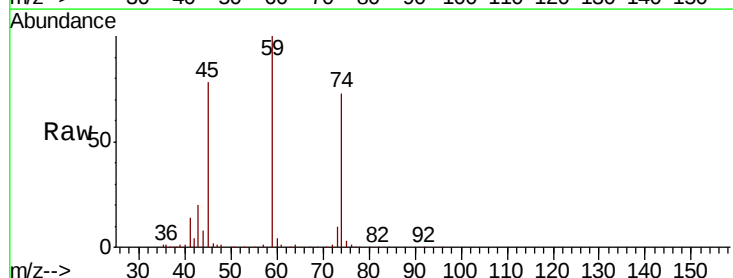
Tot Ion:101 Resp: 48330
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



#8

Diethyl Ether
 Concen: 20.411 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion: 74 Resp: 23540
 Ion Ratio Lower Upper
 74 100
 45 108.4 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

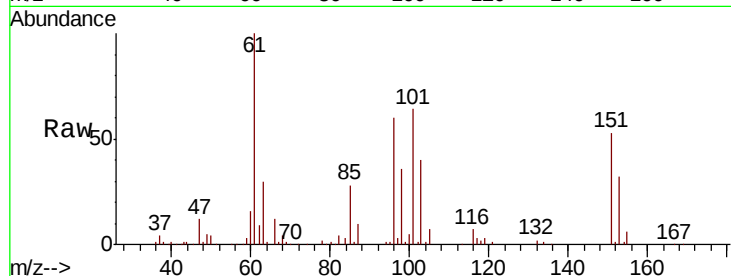
Tot Ion:101 Resp: 30012

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

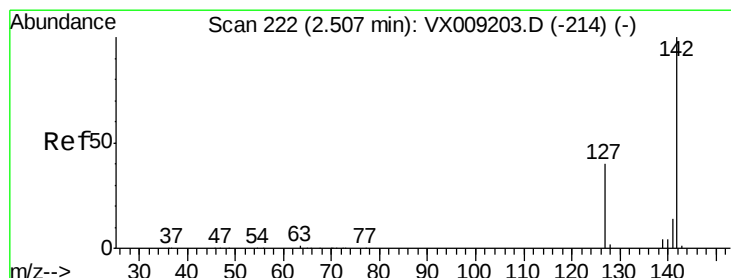
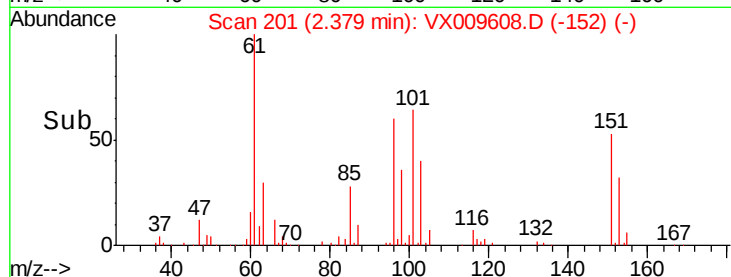
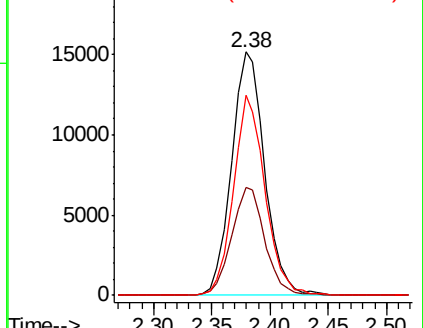
151 78.4 62.2 93.2



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: 21.767 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

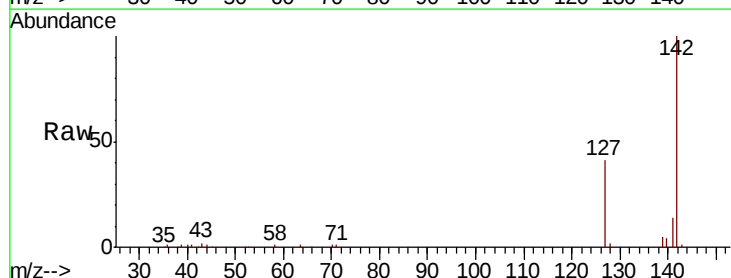
Tgt Ion:142 Resp: 33595

Ion Ratio Lower Upper

142 100

127 41.5 32.7 49.1

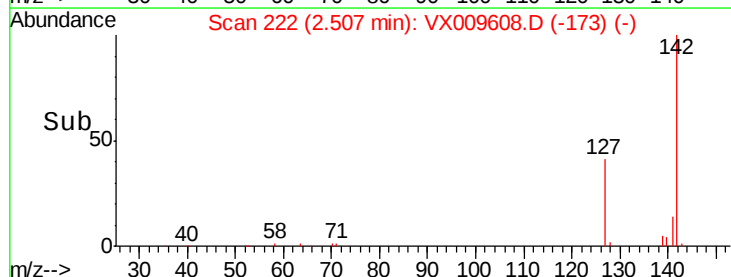
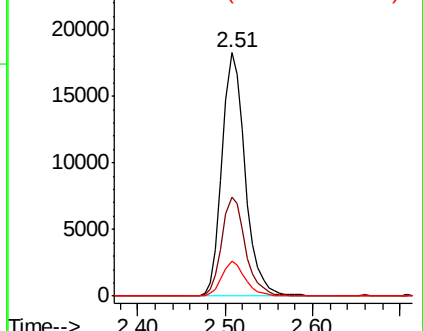
141 14.3 11.5 17.3

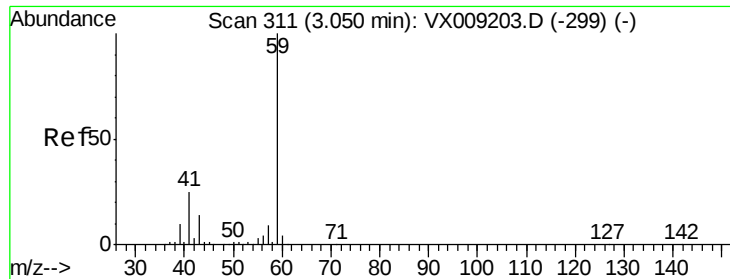


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

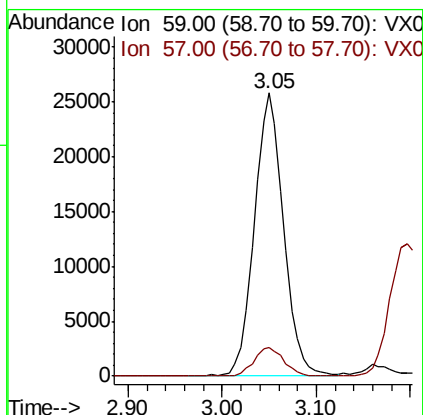
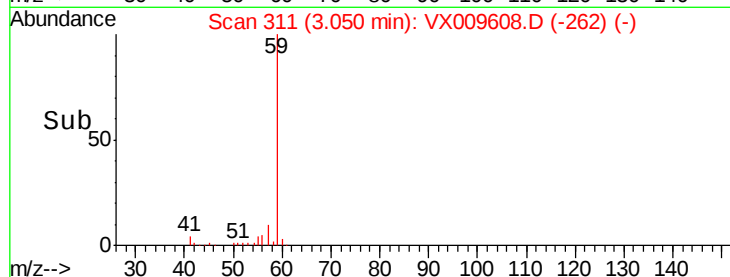
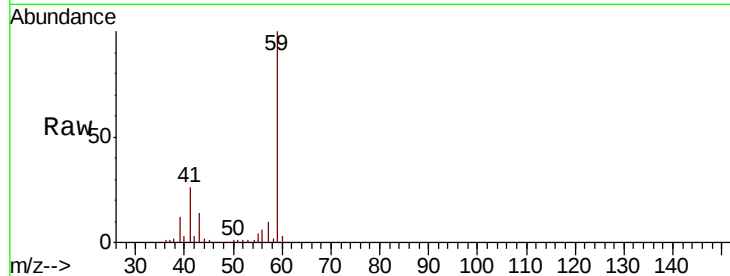




#11
Tert butyl alcohol
Concen: 109.025 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

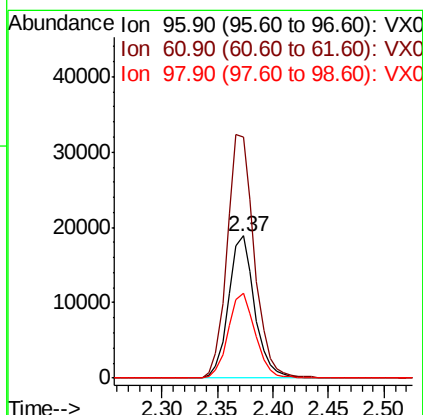
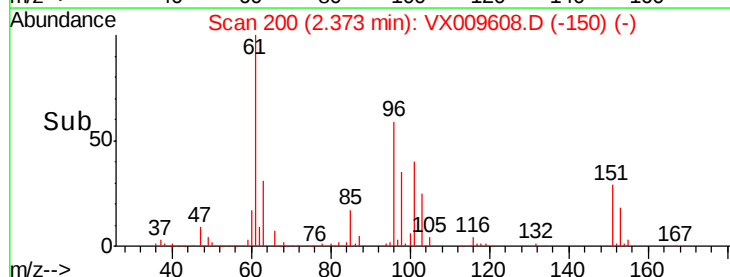
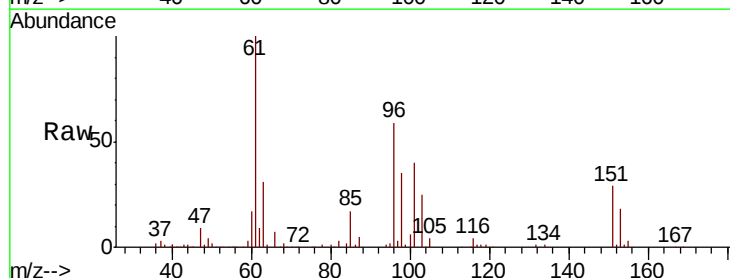
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

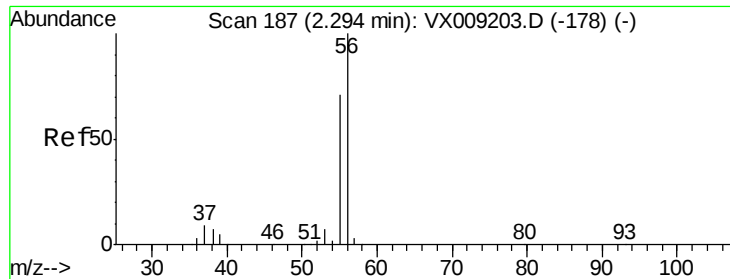
Tot Ion: 59 Resp: 56249
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.044 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 96 Resp: 30707
Ion Ratio Lower Upper
96 100
61 169.4 144.3 216.5
98 60.0 50.3 75.5





#13

Acrolein

Concen: 59.597 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

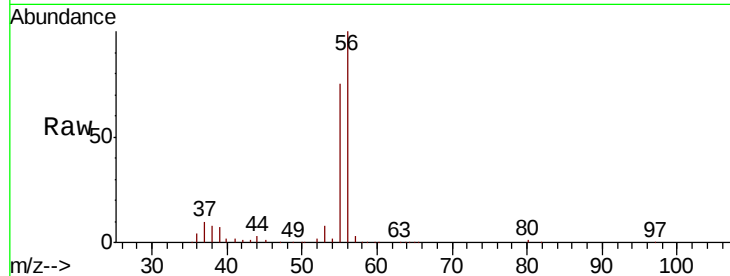
VX0516MBSD01

Tot Ion: 56 Resp: 27846

Ion Ratio Lower Upper

56 100

55 72.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

20000

15000

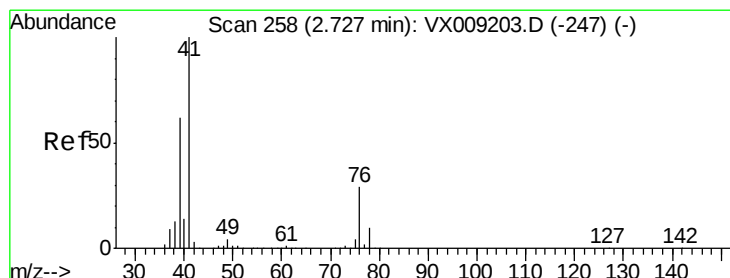
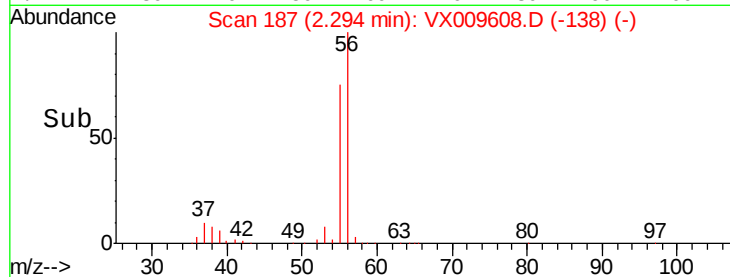
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 19.627 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

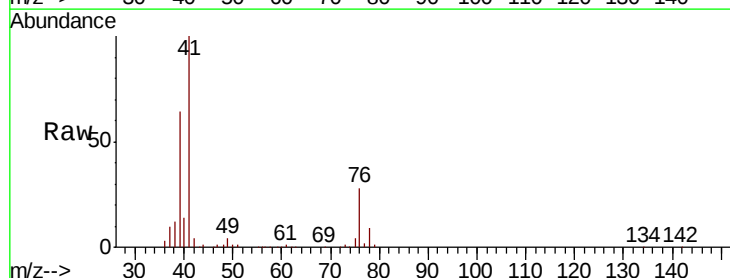
Tgt Ion: 41 Resp: 73277

Ion Ratio Lower Upper

41 100

39 60.1 46.7 70.1

76 26.5 21.8 32.8



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

60000

50000

40000

30000

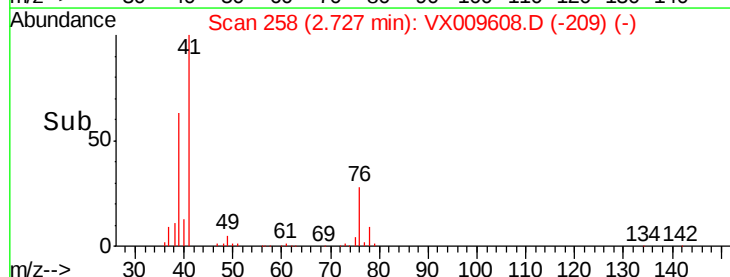
20000

10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 104.910 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

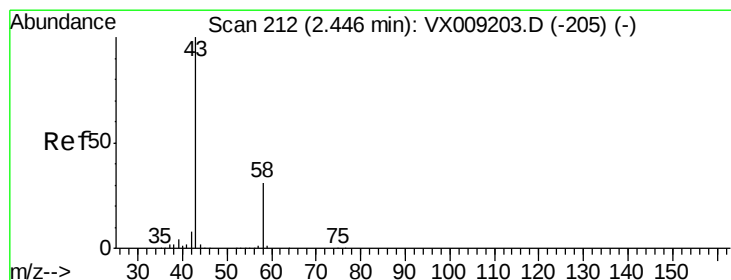
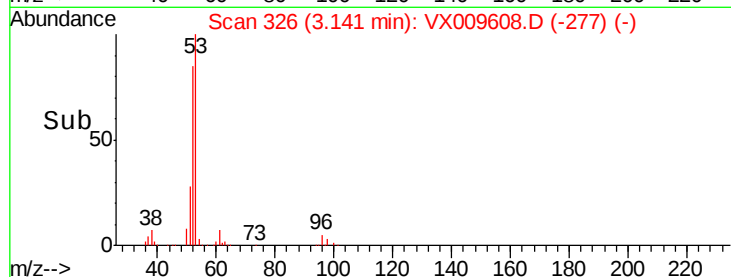
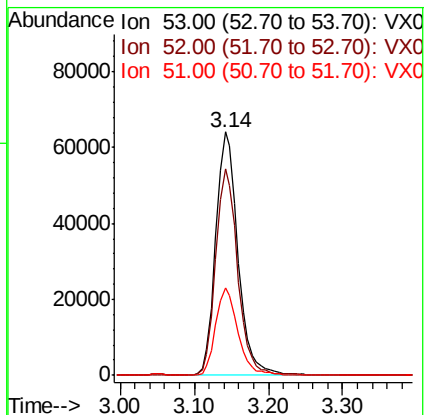
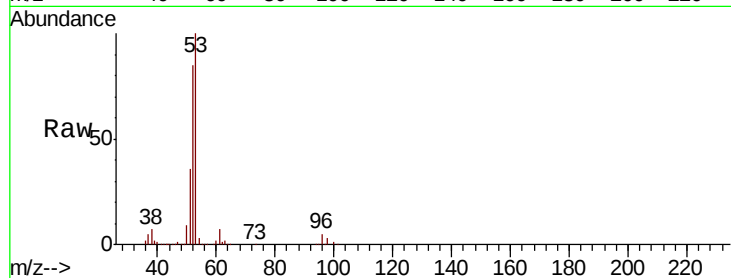
Tot Ion: 53 Resp: 132341

Ion Ratio Lower Upper

53 100

52 84.0 66.9 100.3

51 36.3 28.2 42.2



#16

Acetone

Concen: 98.528 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009608.D

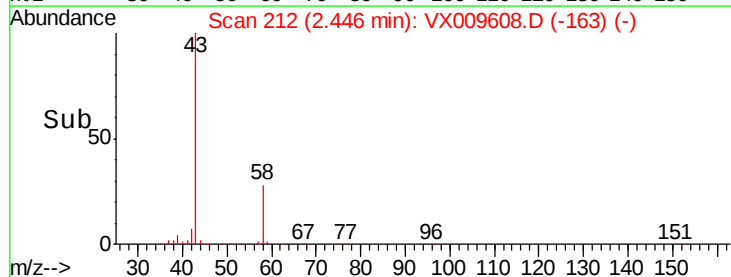
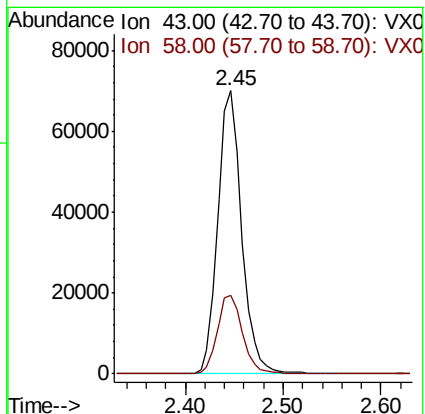
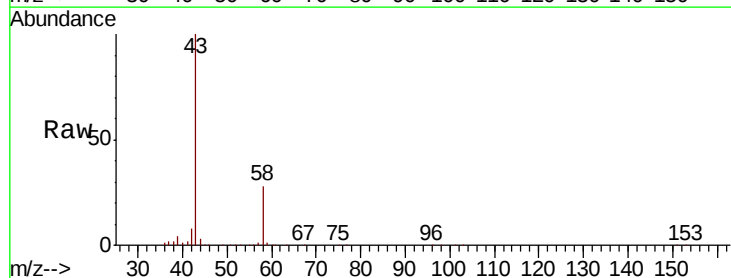
Acq: 16 May 2019 15:34

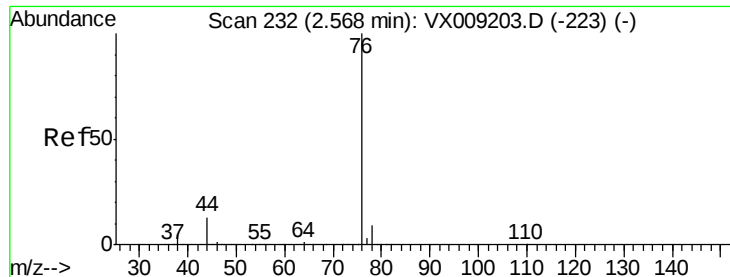
Tgt Ion: 43 Resp: 117919

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3

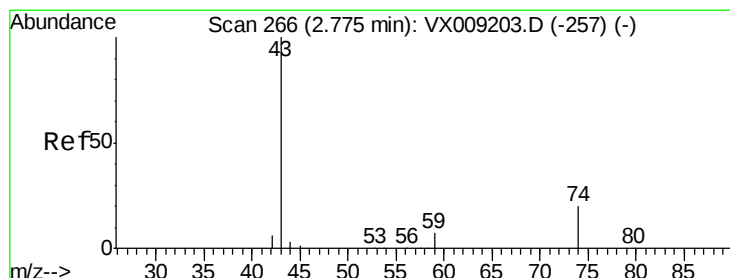
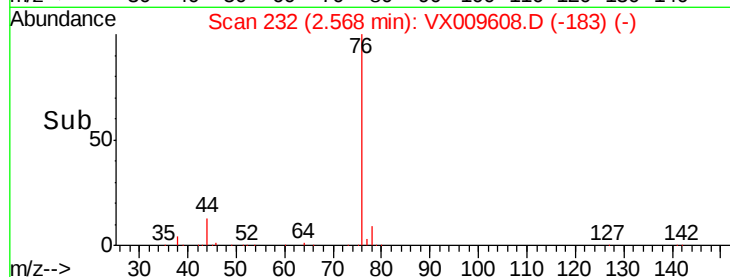
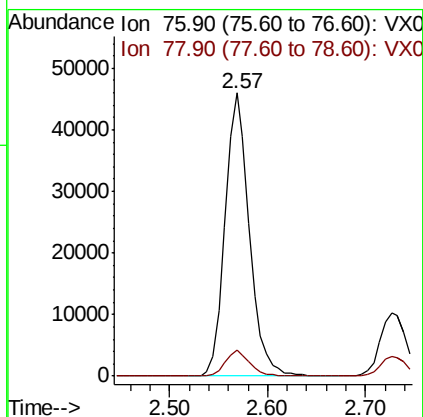
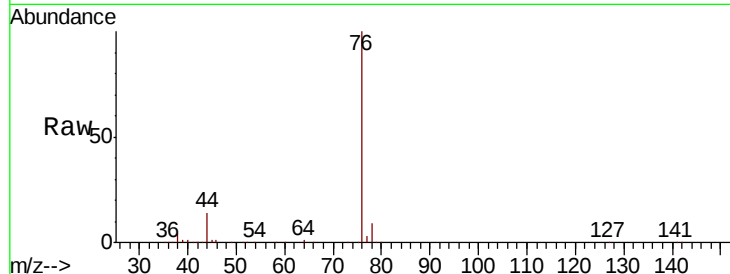




#17
Carbon Disulfide
Concen: 18.343 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

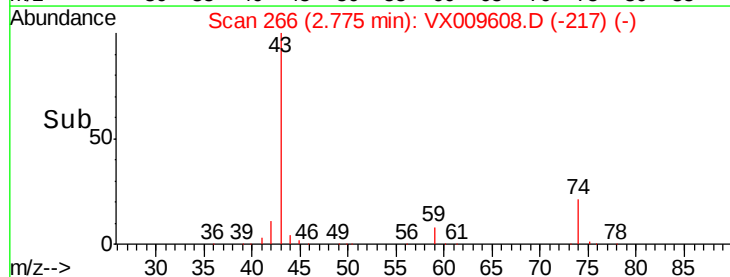
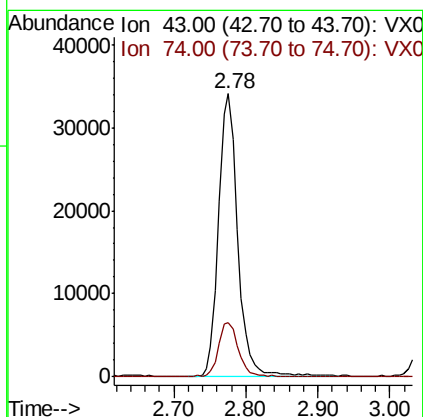
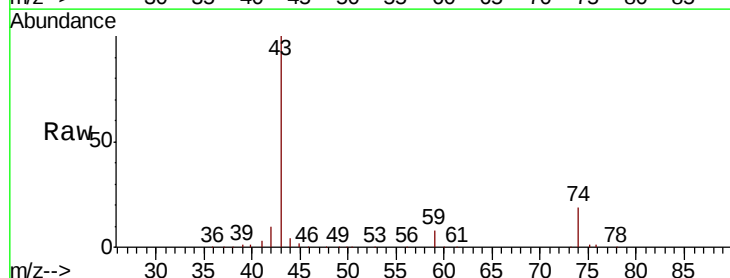
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

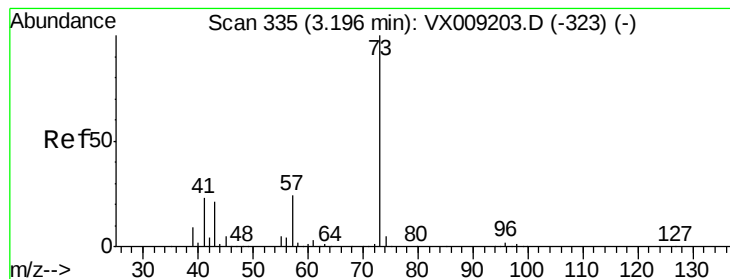
Tot Ion: 76 Resp: 78895
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 21.901 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 43 Resp: 62337
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



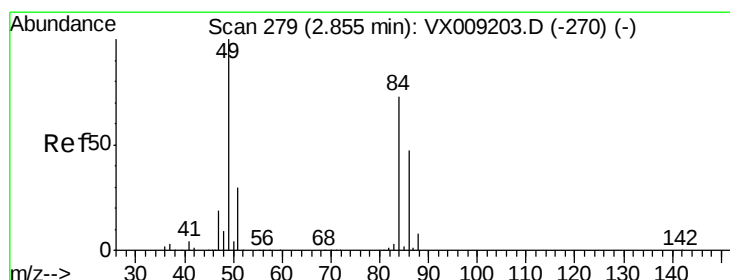
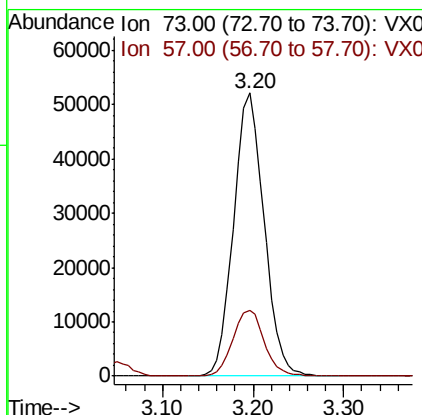
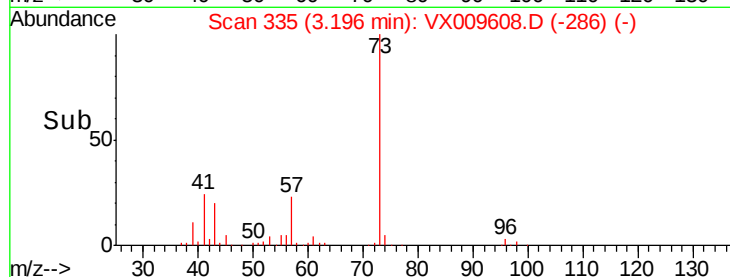
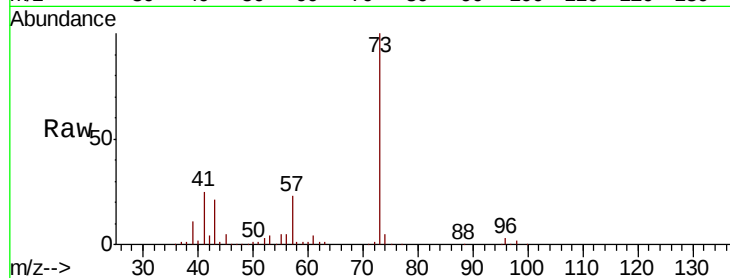


#19

Methyl tert-butyl Ether
 Concen: 20.458 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

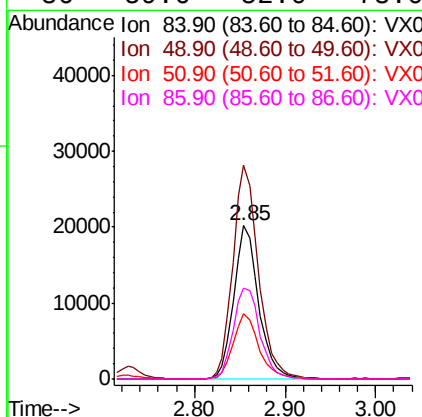
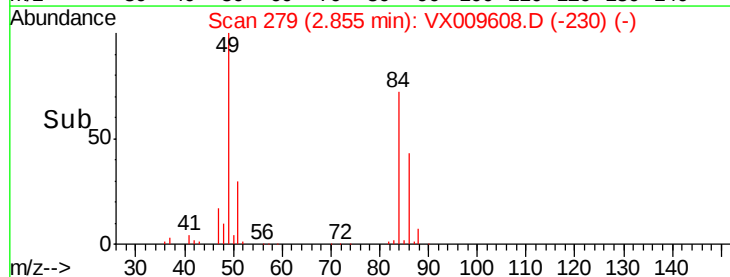
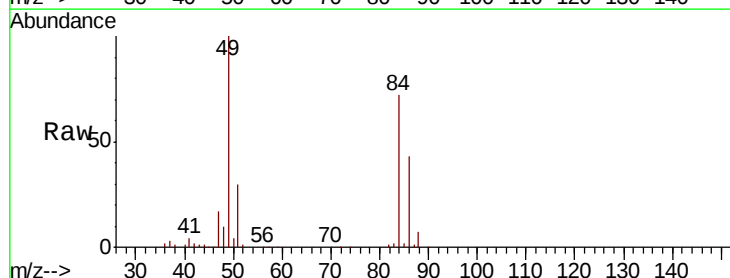
Tot Ion: 73 Resp: 121703
 Ion Ratio Lower Upper
 73 100
 57 23.1 19.3 28.9



#20

Methylene Chloride
 Concen: 19.865 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion: 84 Resp: 38495
 Ion Ratio Lower Upper
 84 100
 49 139.1 109.9 164.9
 51 42.4 32.7 49.1
 86 59.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

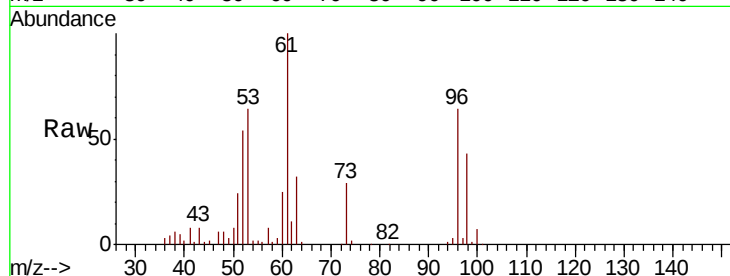
Tot Ion: 96 Resp: 33563

Ion Ratio Lower Upper

96 100

61 155.9 124.5 186.7

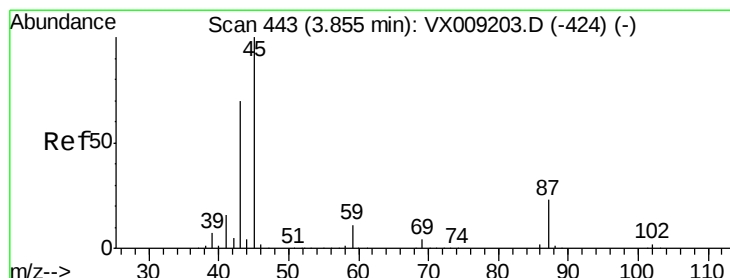
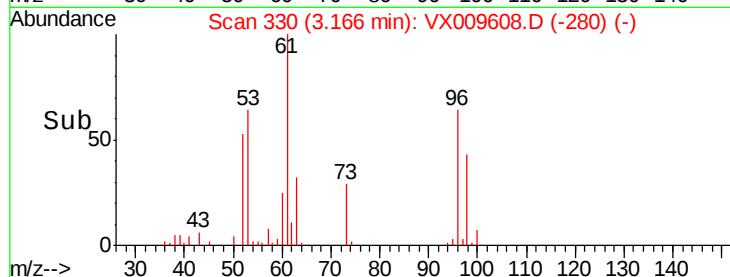
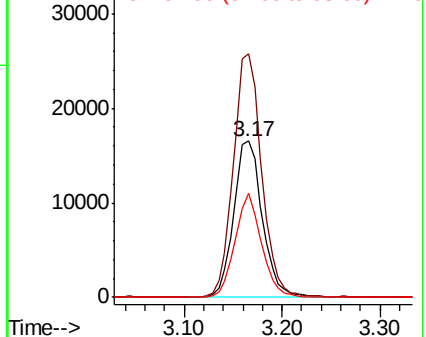
98 67.1 50.4 75.6



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: 21.029 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion: 45 Resp: 150983

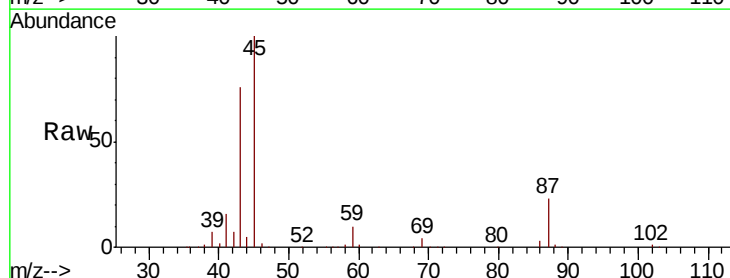
Ion Ratio Lower Upper

45 100

43 75.5 56.1 84.1

87 23.1 18.1 27.1

59 9.5 8.5 12.7

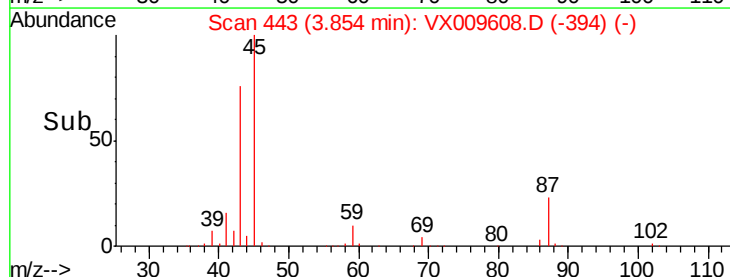
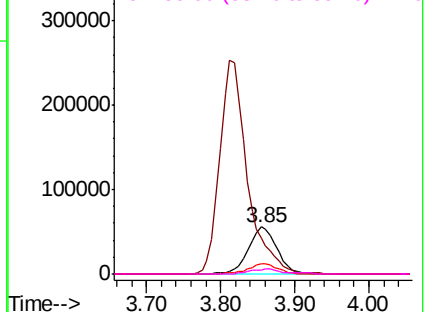


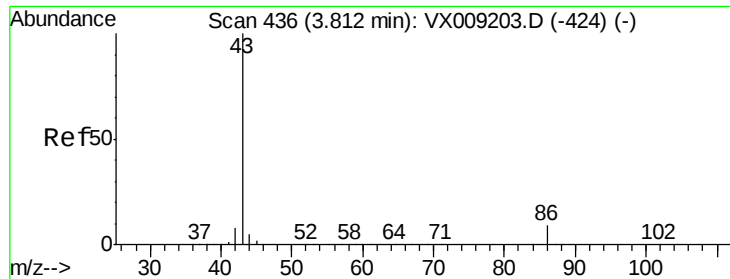
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 106.695 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

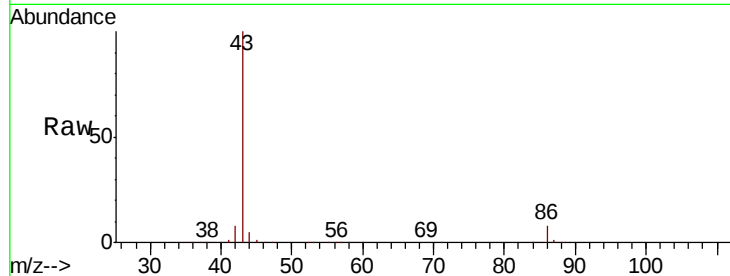
VX0516MBSD01

Tot Ion: 43 Resp: 655972

Ion Ratio Lower Upper

43 100

86 8.2 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

250000

200000

150000

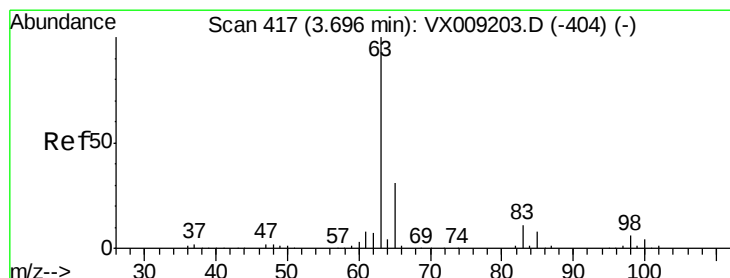
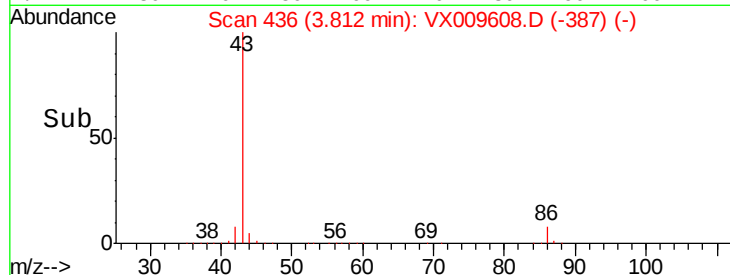
100000

50000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 20.063 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

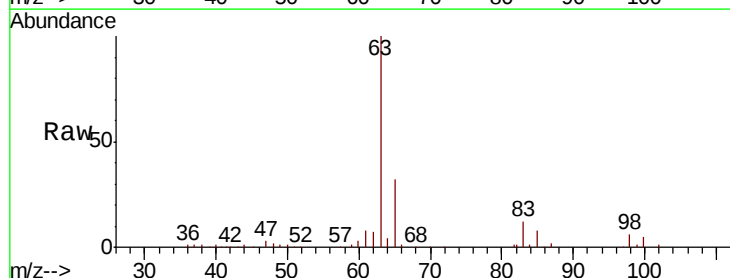
Tgt Ion: 63 Resp: 71062

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 5.4 2.0 6.0



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

3.70

40000

30000

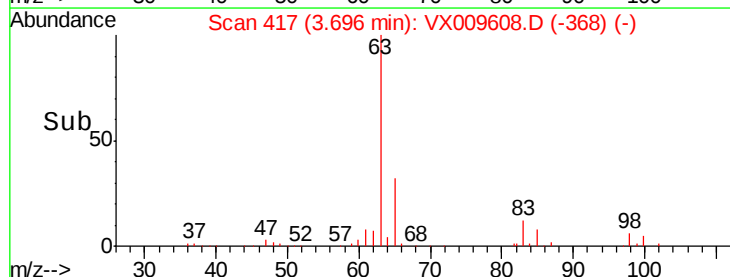
20000

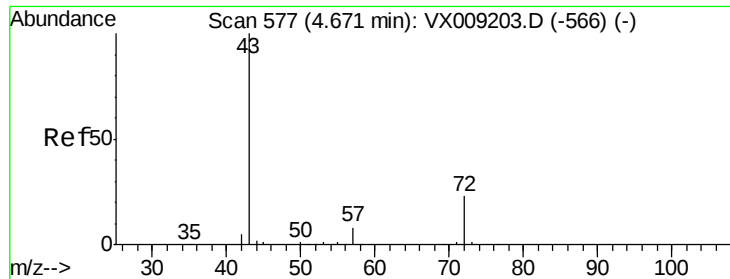
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 105.387 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

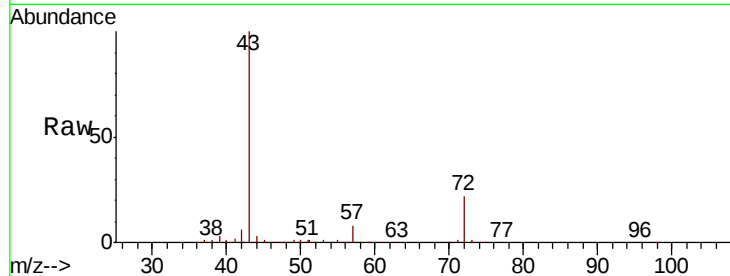
VX0516MBSD01

Tot Ion: 43 Resp: 196000

Ion Ratio Lower Upper

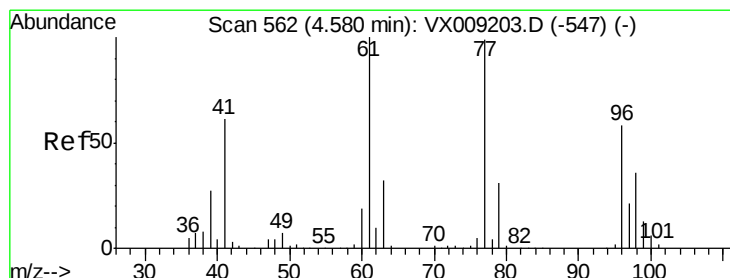
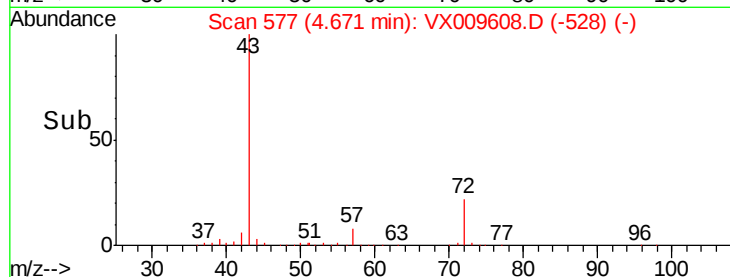
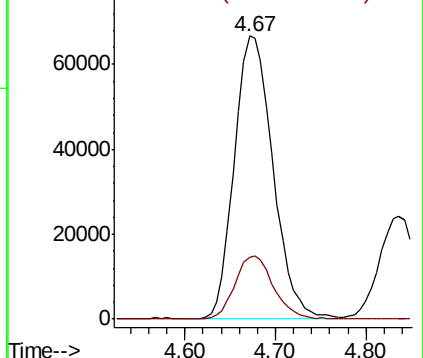
43 100

72 21.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.351 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009608.D

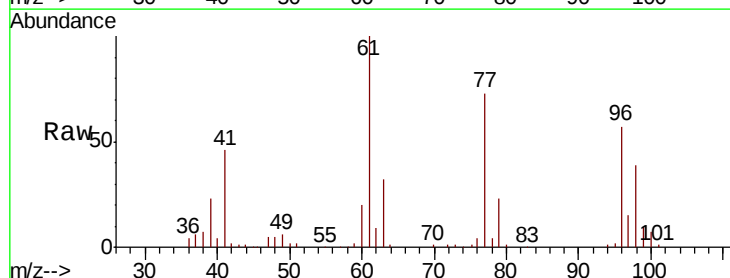
Acq: 16 May 2019 15:34

Tgt Ion: 77 Resp: 45744

Ion Ratio Lower Upper

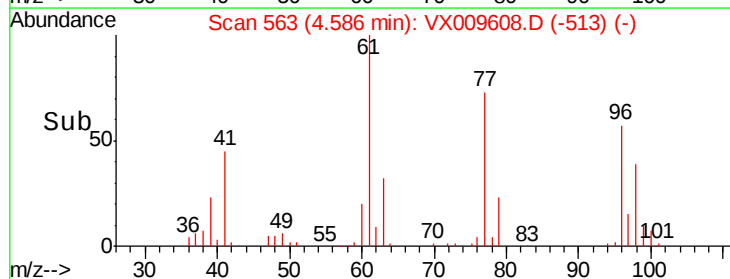
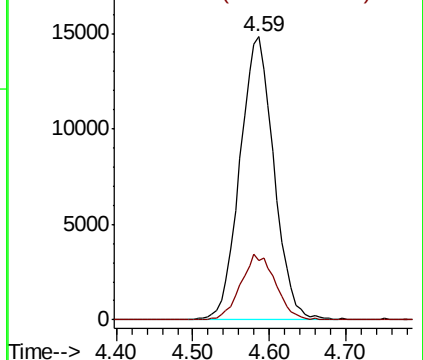
77 100

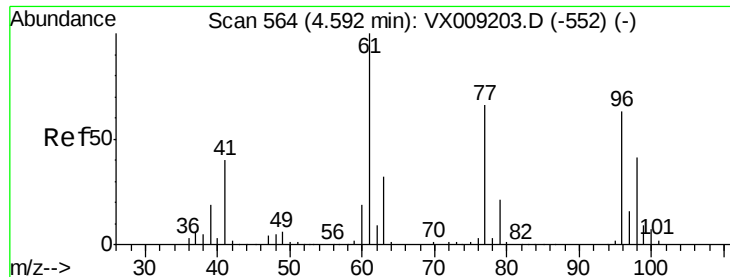
97 23.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



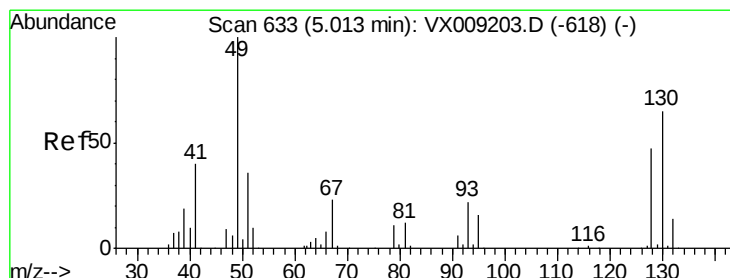
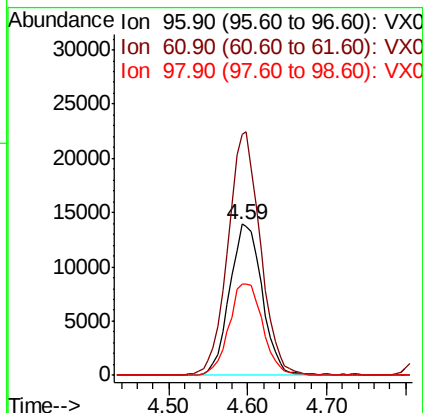
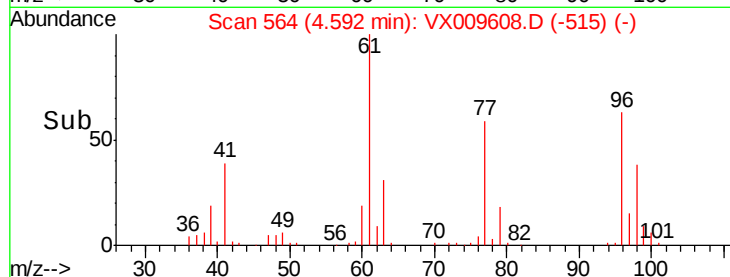
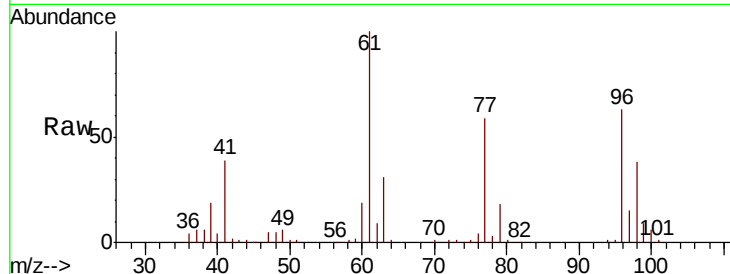


#27

cis-1,2-Dichloroethene
Concen: 20.167 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

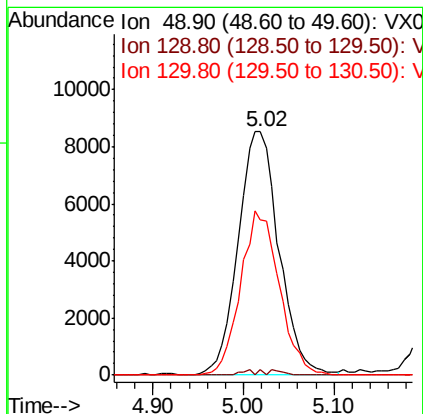
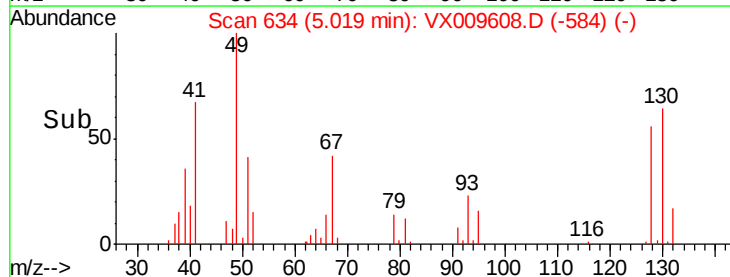
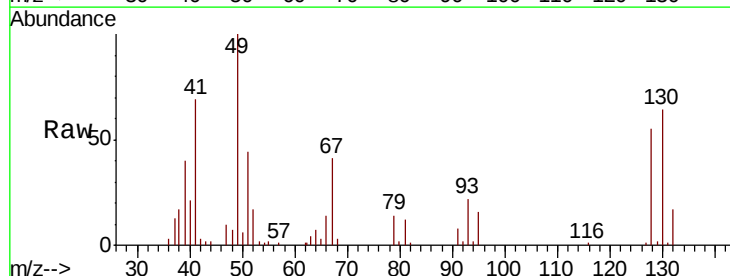
Tot Ion: 96 Resp: 39993
Ion Ratio Lower Upper
96 100
61 160.8 0.0 324.0
98 62.9 0.0 130.4

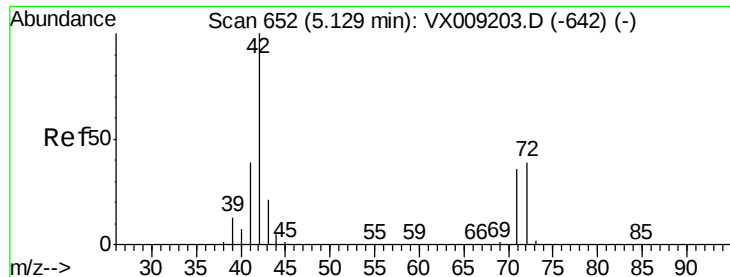


#28

Bromochloromethane
Concen: 16.871 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 49 Resp: 26643
Ion Ratio Lower Upper
49 100
129 0.3 0.0 3.8
130 63.5 51.2 76.8





#29

Tetrahydrofuran

Concen: 108.684 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

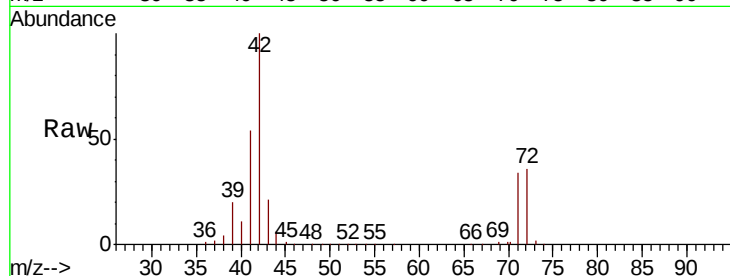
Tot Ion: 42 Resp: 130070

Ion Ratio Lower Upper

42 100

72 37.5 30.4 45.6

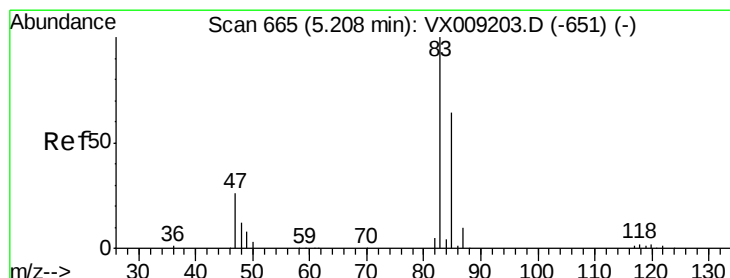
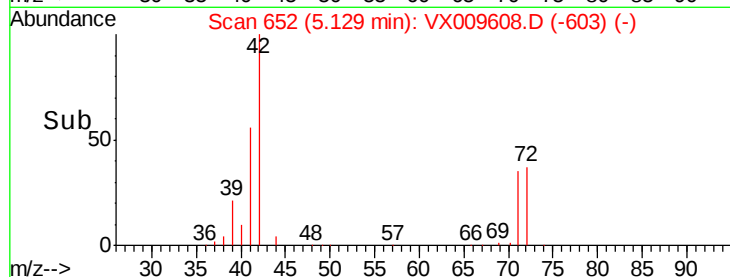
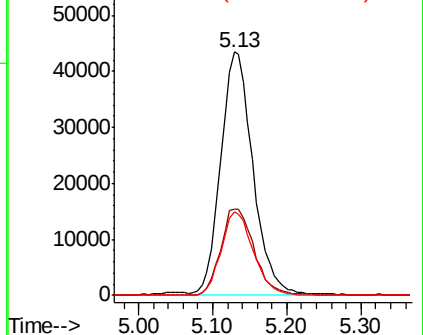
71 34.8 28.6 43.0



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: 20.564 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009608.D

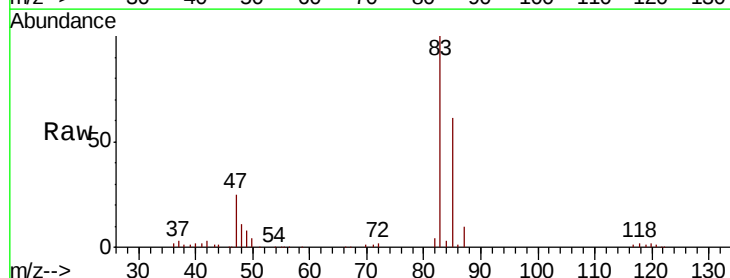
Acq: 16 May 2019 15:34

Tgt Ion: 83 Resp: 65875

Ion Ratio Lower Upper

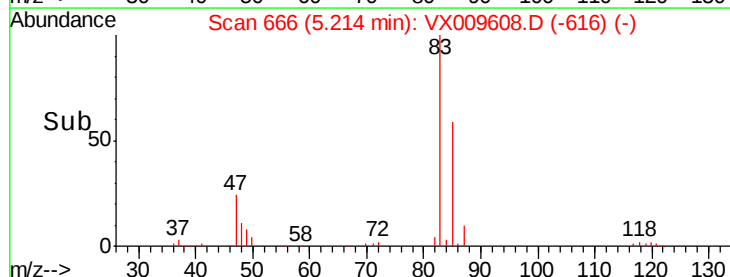
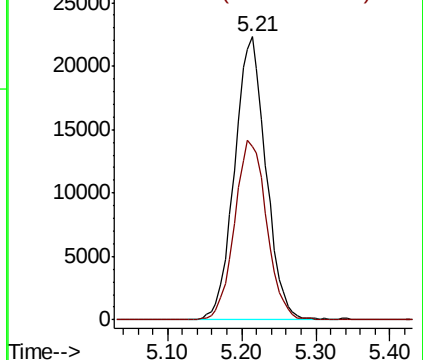
83 100

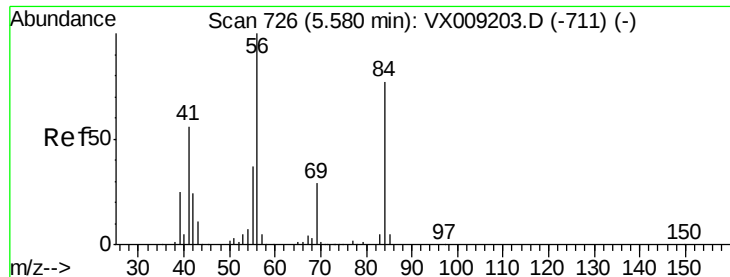
85 61.3 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

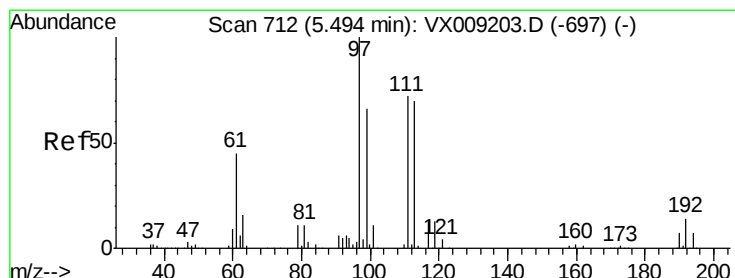
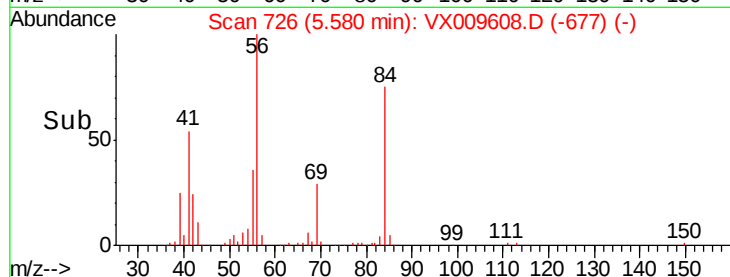
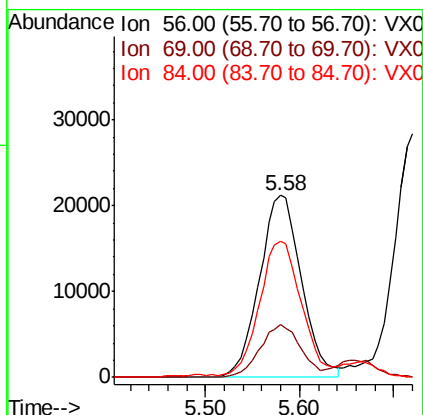
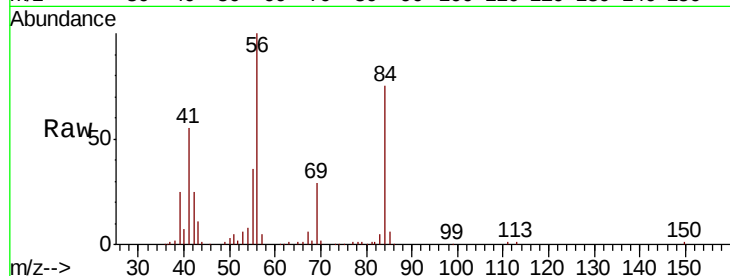




#31
Cyclohexane
Concen: 20.025 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

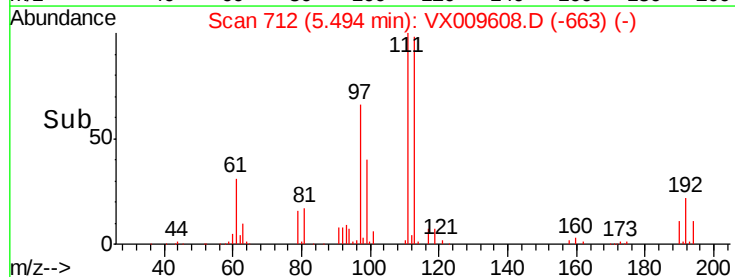
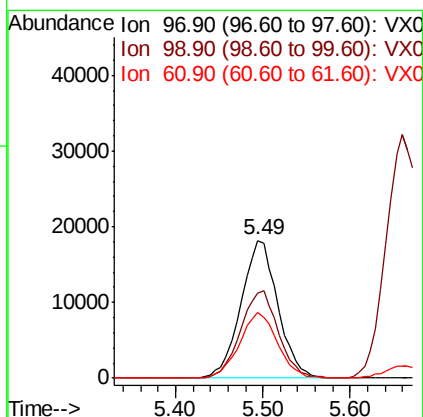
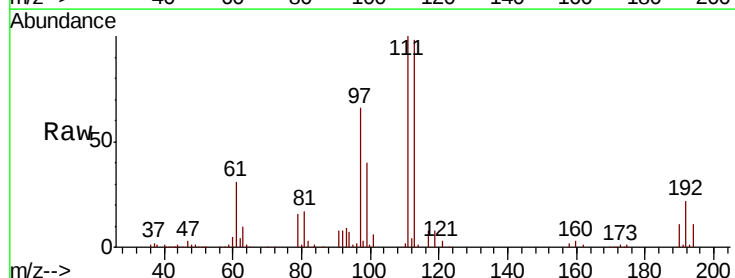
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

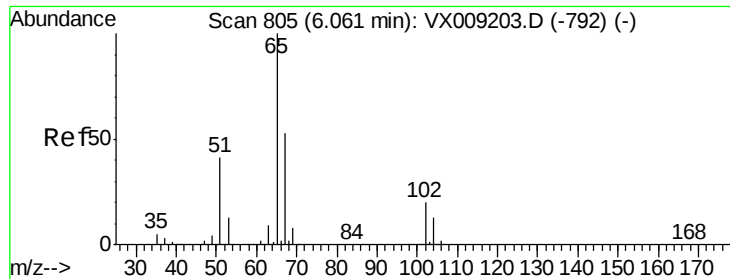
Tot Ion: 56 Resp: 65986
Ion Ratio Lower Upper
56 100
69 29.2 23.4 35.0
84 73.5 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 19.916 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 97 Resp: 53110
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.8
61 49.3 37.8 56.8

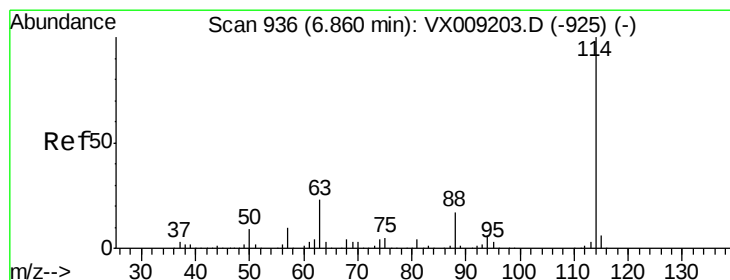
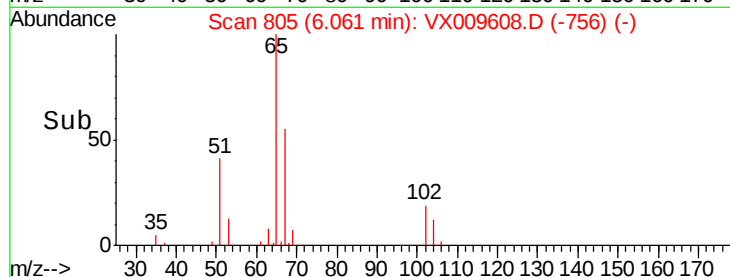
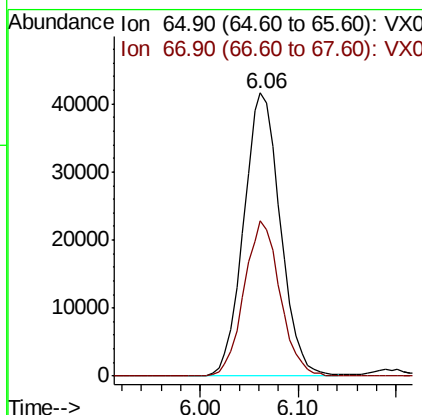
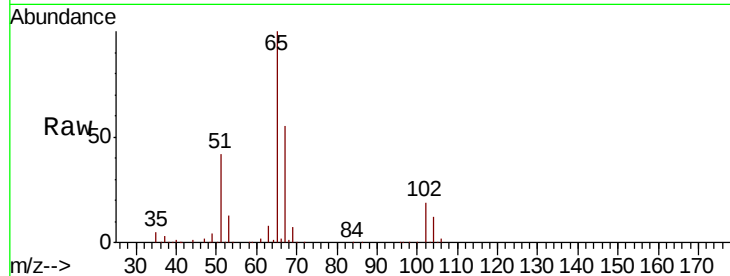




#33
 1,2-Dichloroethane-d4
 Concen: 48.678 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

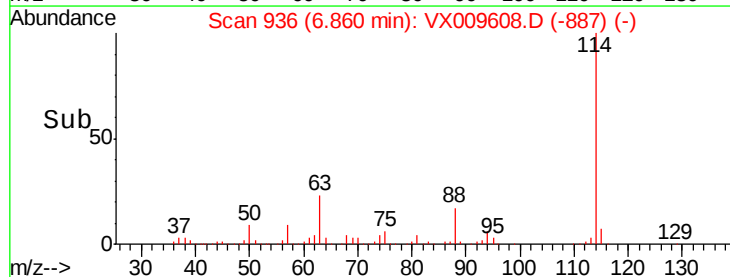
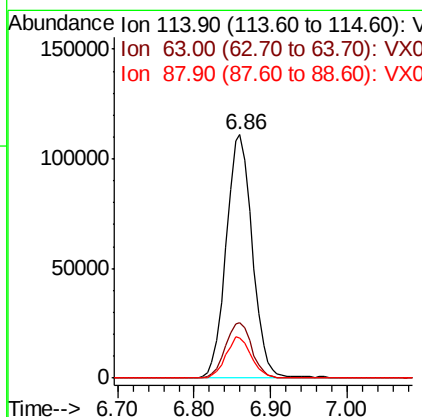
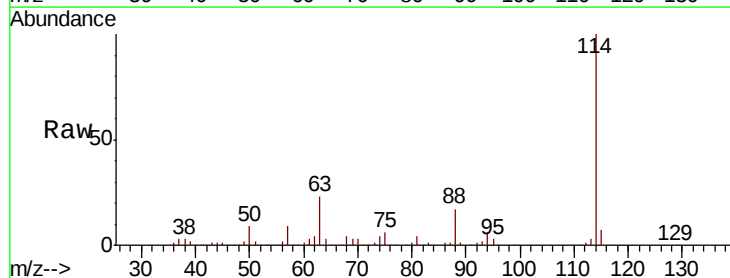
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion: 65 Resp: 108496
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion: 114 Resp: 262571
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.7 0.0 33.2

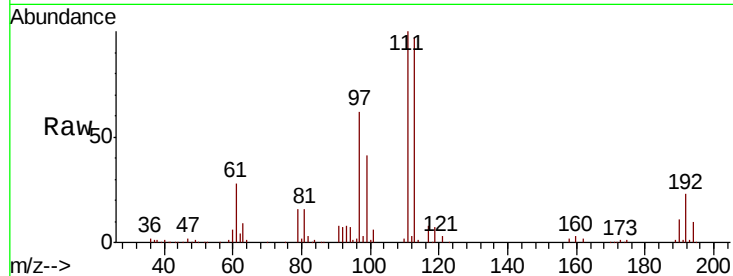




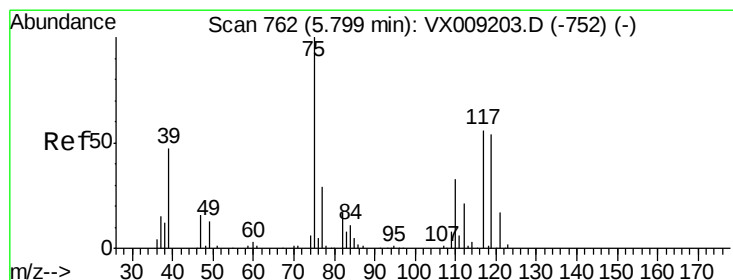
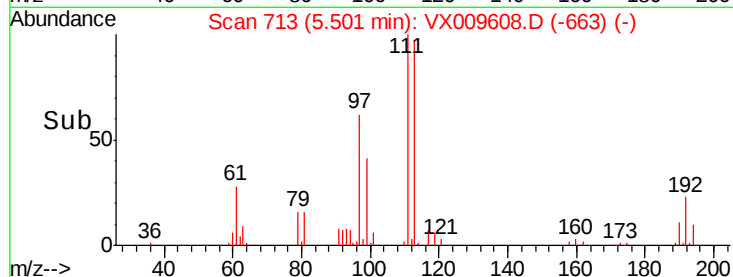
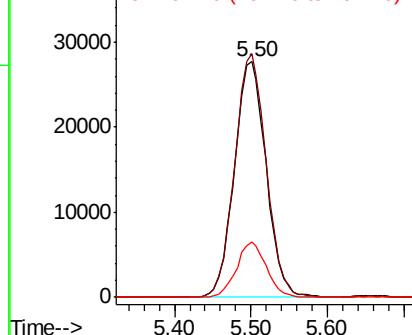
#35
Dibromofluoromethane
Concen: 48.372 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion:113 Resp: 79844
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 22.0 17.0 25.6

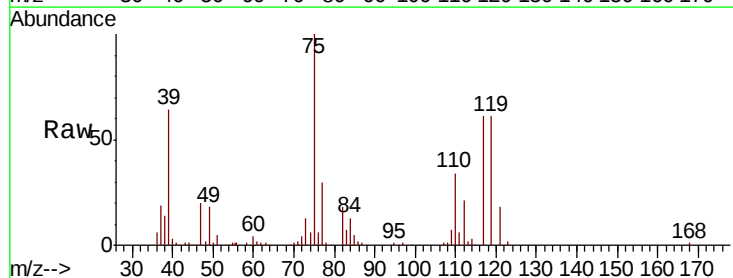


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

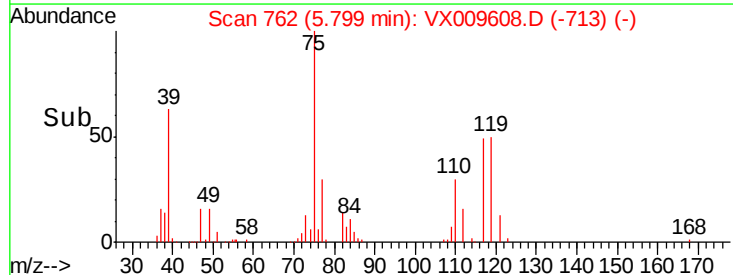
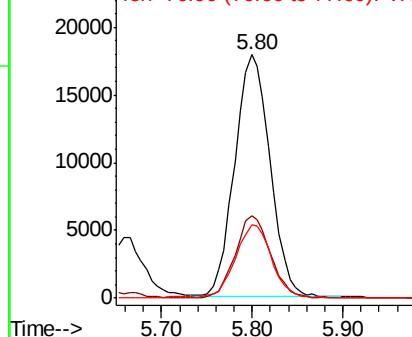


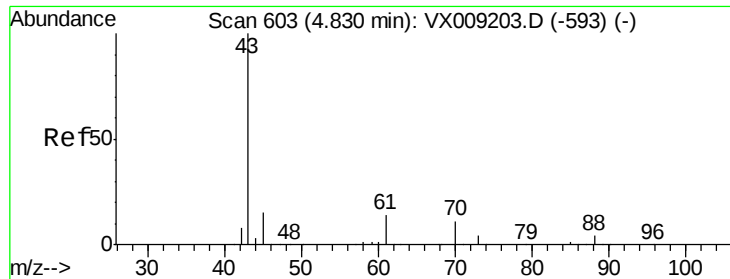
#36
1,1-Dichloropropene
Concen: 19.900 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 75 Resp: 48558
Ion Ratio Lower Upper
75 100
110 33.8 16.9 50.6
77 31.1 24.8 37.2



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: 21.699 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

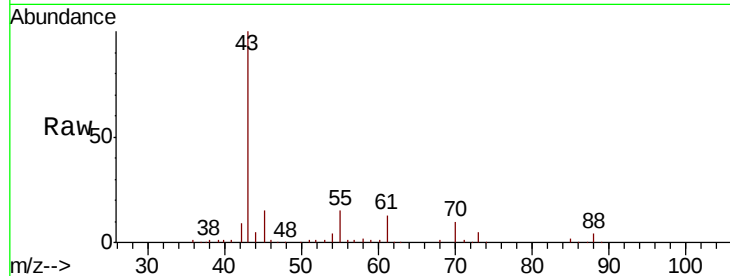
Tot Ion: 43 Resp: 73771

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

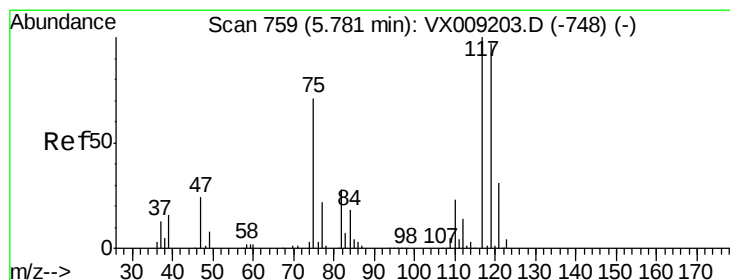
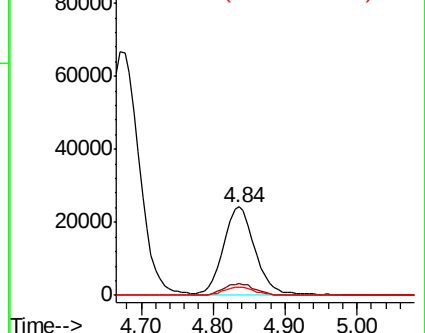
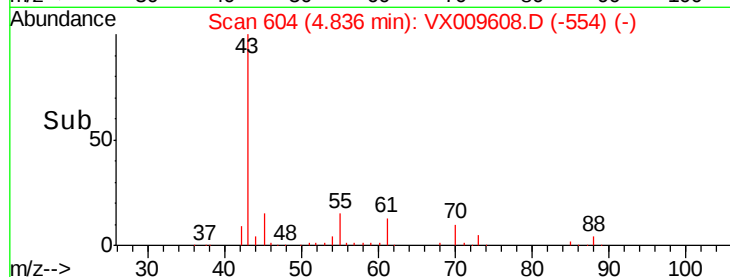
70 9.3 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.778 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

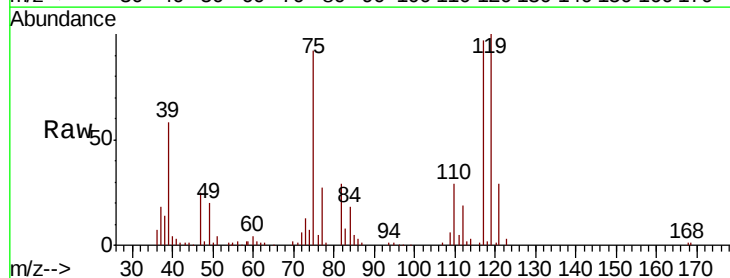
Tgt Ion: 117 Resp: 43847

Ion Ratio Lower Upper

117 100

119 103.4 77.5 116.3

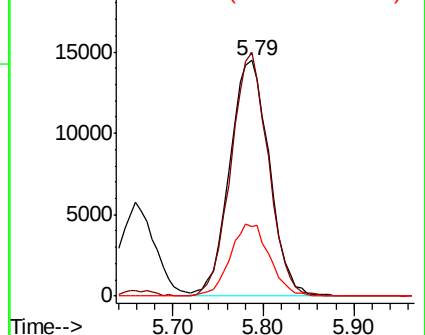
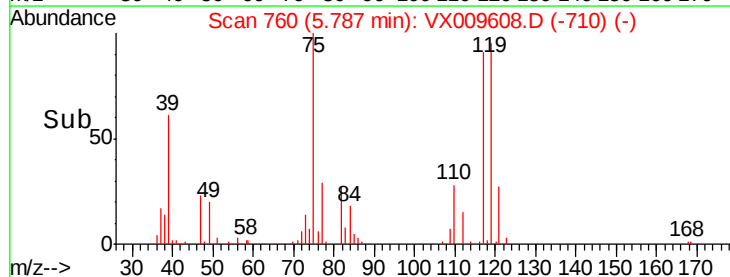
121 29.7 24.7 37.1

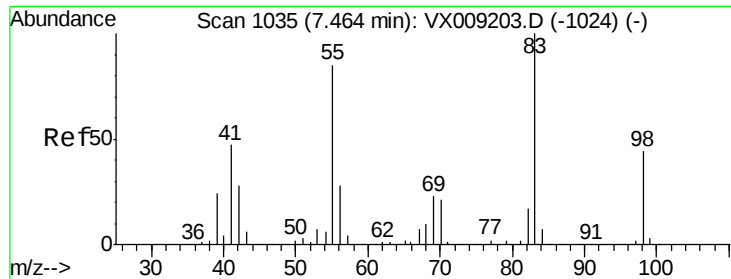


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

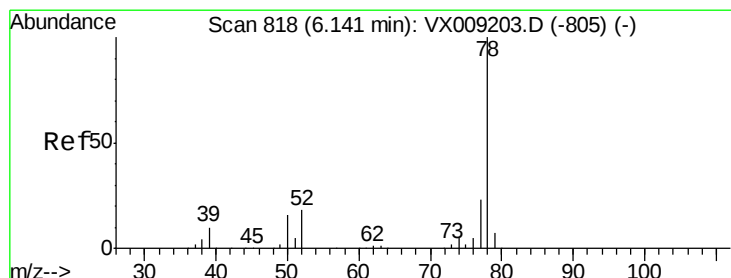
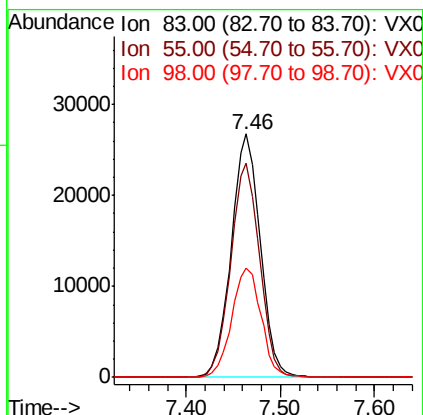
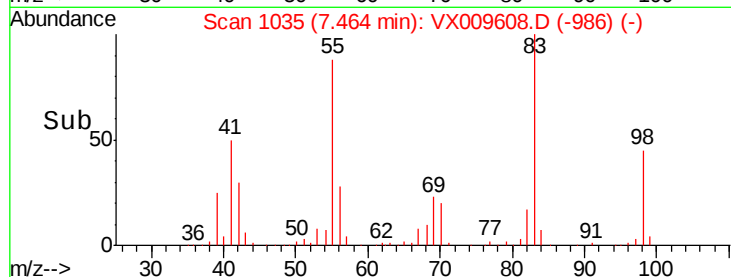
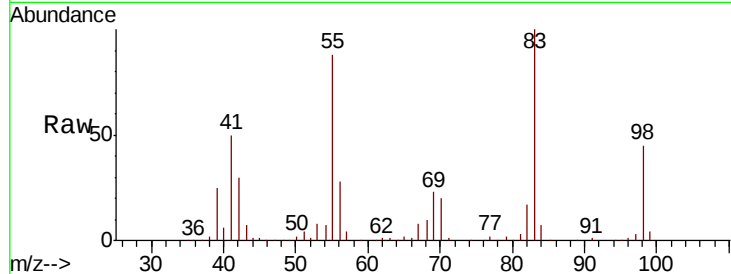




#39
Methvlcvclohexane
Concen: 19.162 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

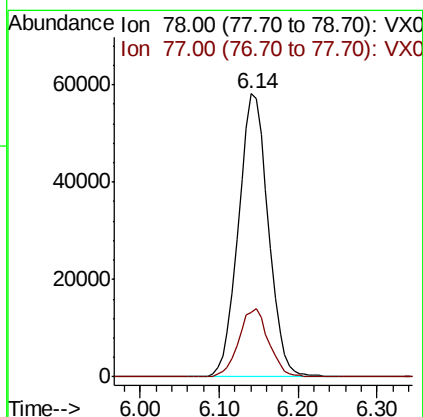
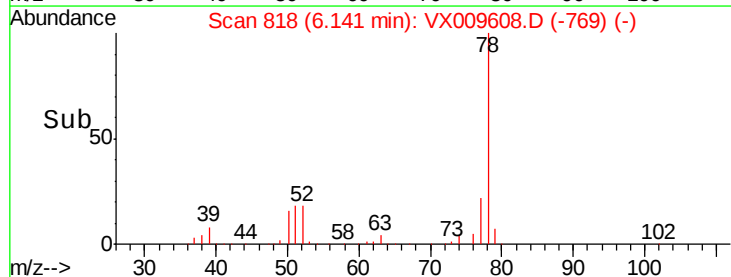
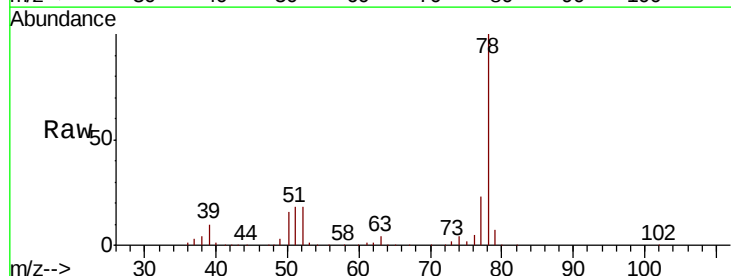
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 83 Resp: 57423
Ion Ratio Lower Upper
83 100
55 87.8 67.7 101.5
98 45.0 35.5 53.3



#40
Benzene
Concen: 20.306 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 78 Resp: 153348
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

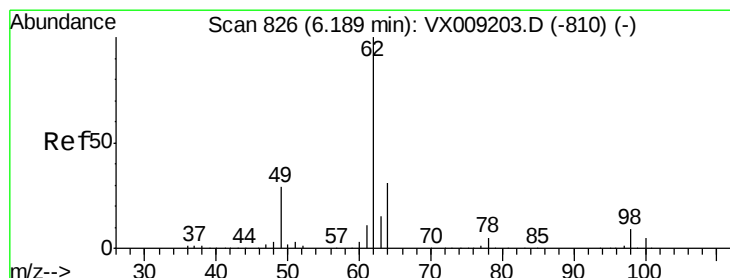
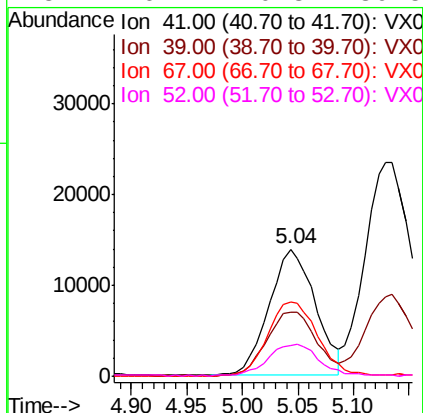
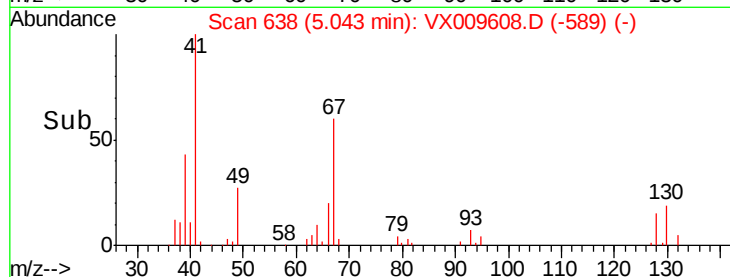
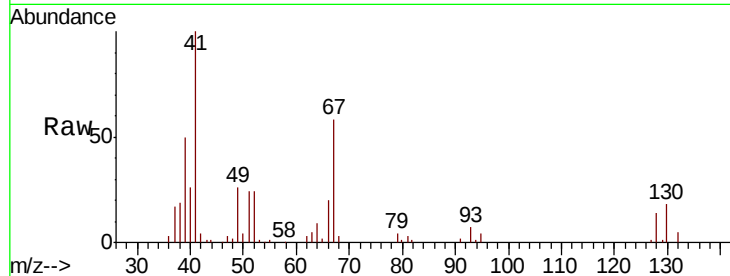




#41
Methacrylonitrile
Concen: 19.978 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

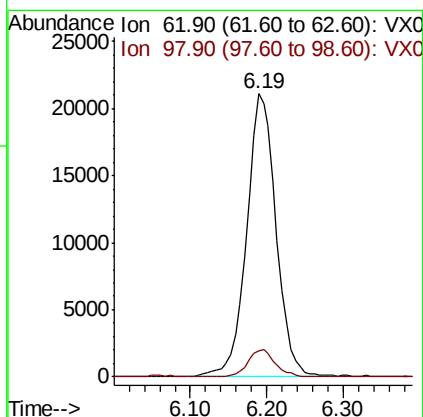
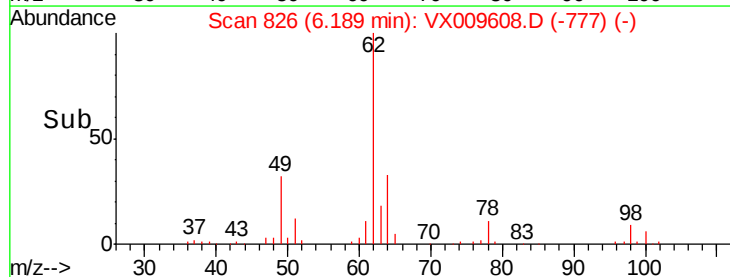
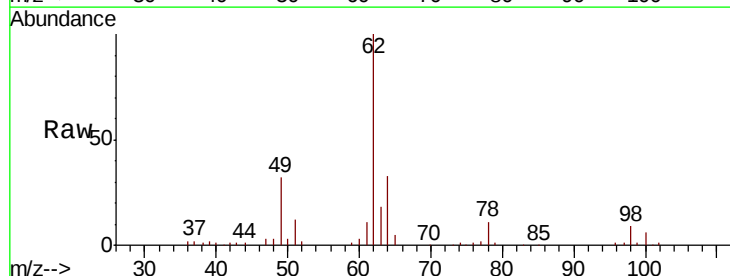
Instrument :
MSVOA_X
ClientSampleID :
VX0516MBSD01

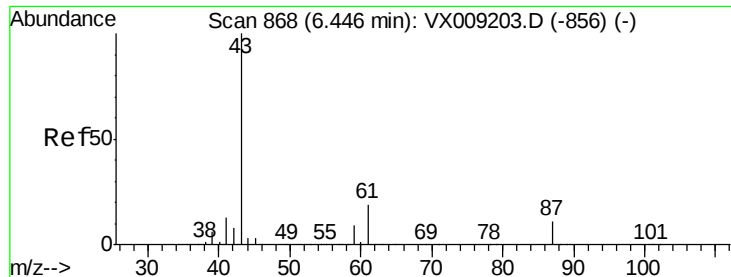
Tot Ion:	41	Resp:	40432
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.0	63.0
67	63.4	49.8	74.8
52	26.7	20.3	30.5



#42
1,2-Dichloroethane
Concen: 20.844 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:	62	Resp:	56464
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



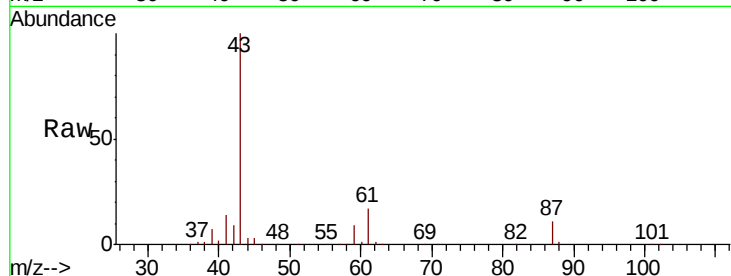


#43

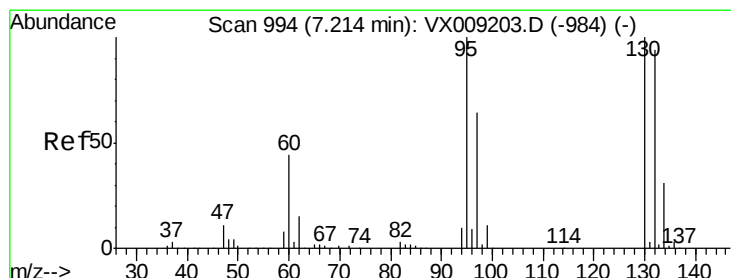
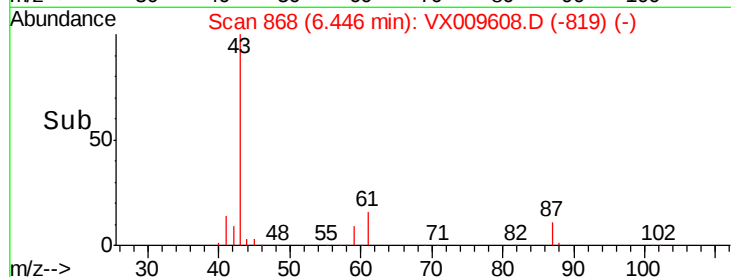
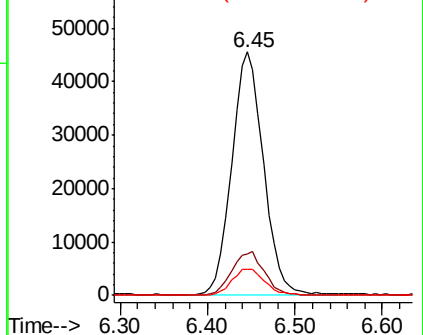
Isopropyl Acetate
 Concen: 21.045 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion: 43 Resp: 114446
 Ion Ratio Lower Upper
 43 100
 61 18.3 15.1 22.7
 87 11.3 9.0 13.6



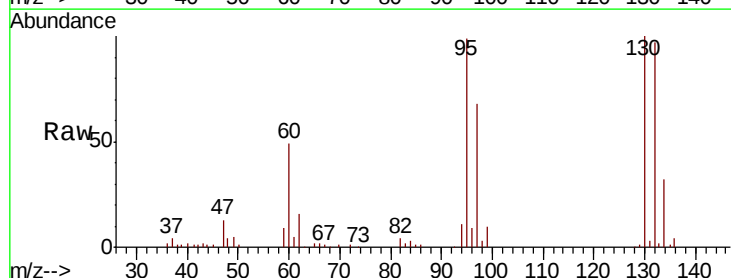
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



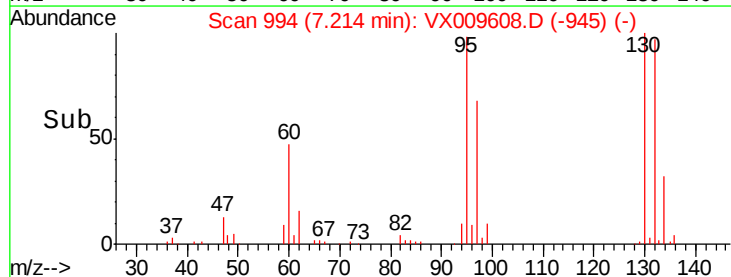
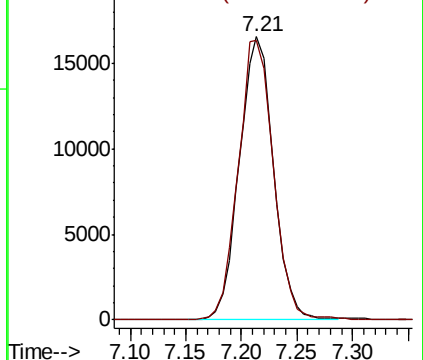
#44

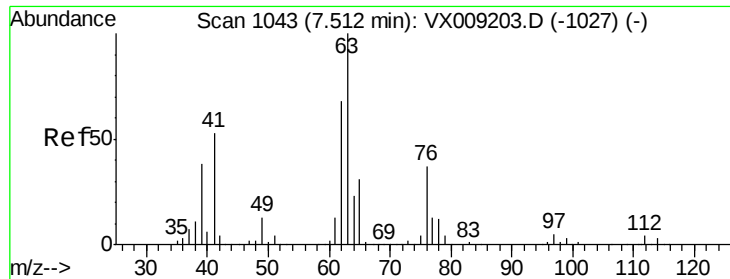
Trichloroethene
 Concen: 19.324 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:130 Resp: 35278
 Ion Ratio Lower Upper
 130 100
 95 98.6 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

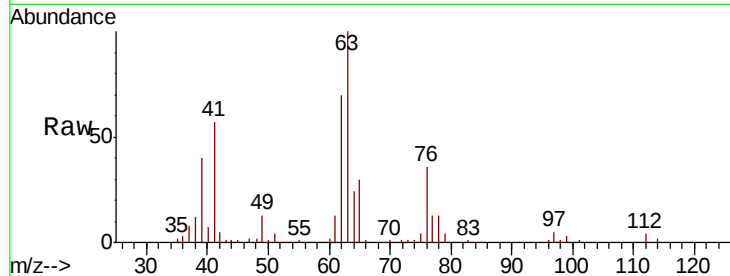
VX0516MBSD01

Tot Ion: 63 Resp: 44681

Ion Ratio Lower Upper

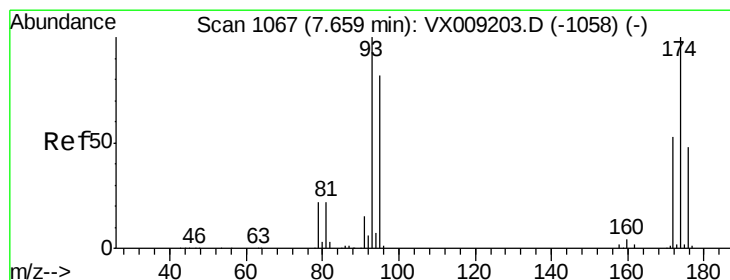
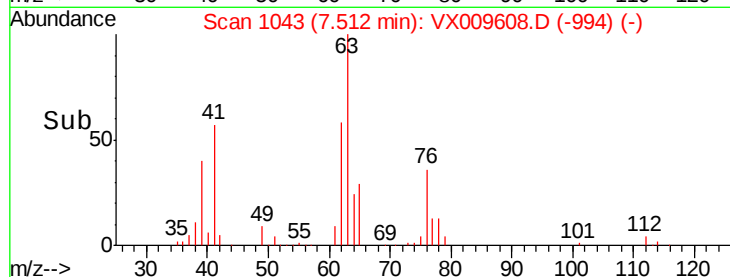
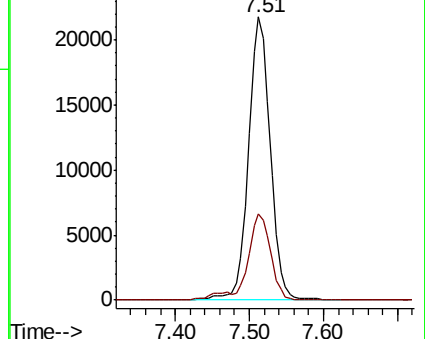
63 100

65 30.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.009 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

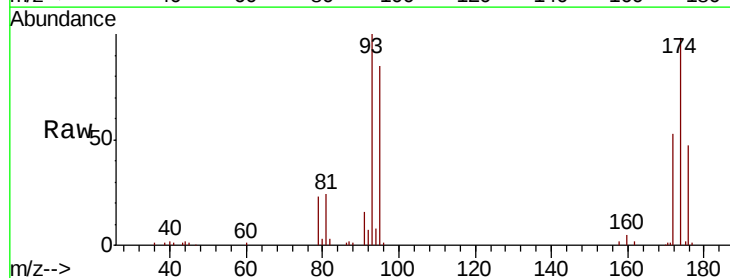
Tgt Ion: 93 Resp: 24846

Ion Ratio Lower Upper

93 100

95 85.5 66.5 99.7

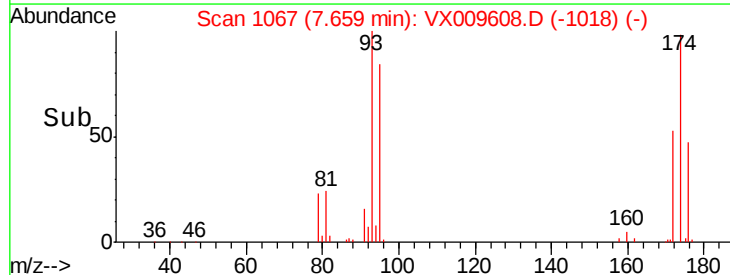
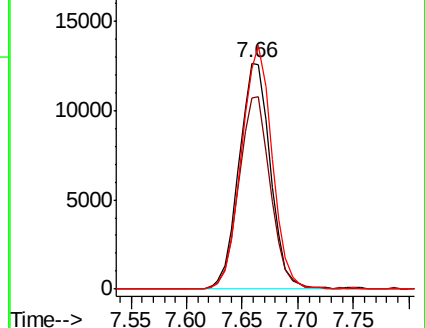
174 105.3 82.1 123.1

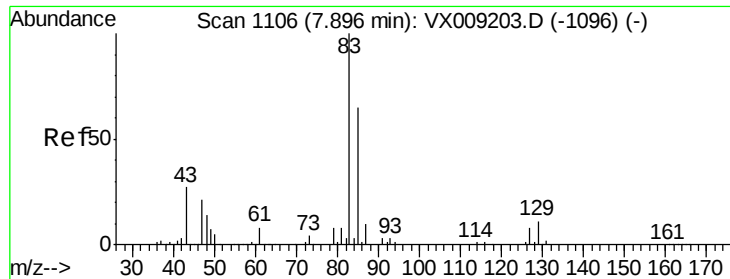


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.091 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

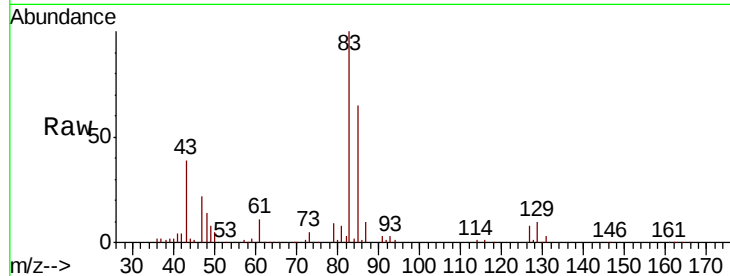
Tot Ion: 83 Resp: 49764

Ion Ratio Lower Upper

83 100

85 65.4 52.4 78.6

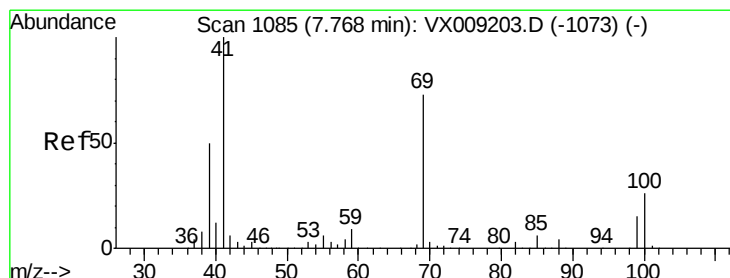
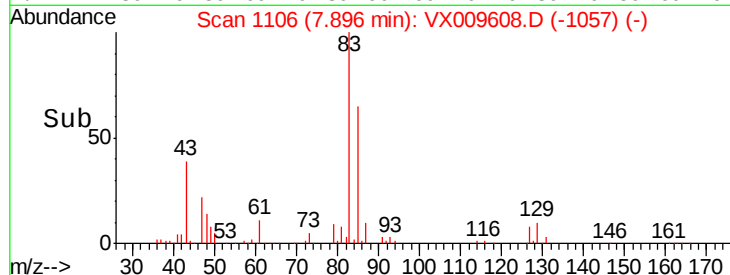
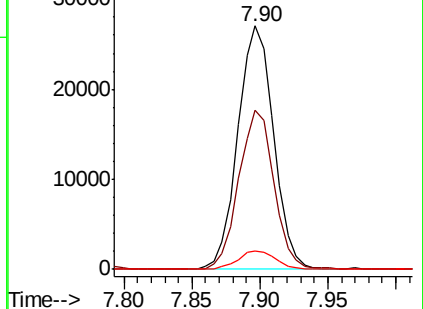
127 7.5 6.6 10.0



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: 21.297 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

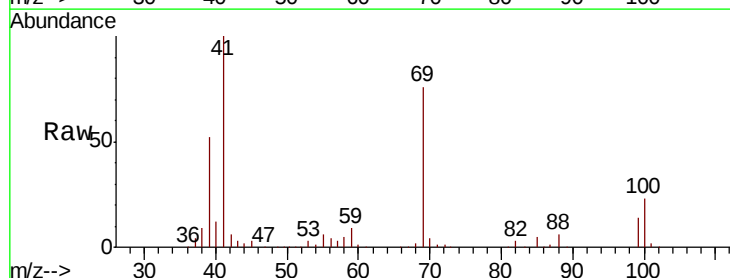
Tgt Ion: 41 Resp: 57460

Ion Ratio Lower Upper

41 100

69 73.9 59.1 88.7

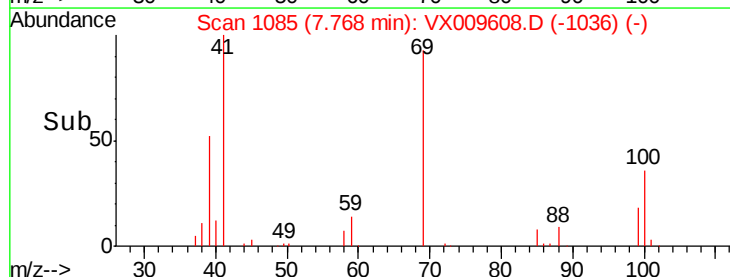
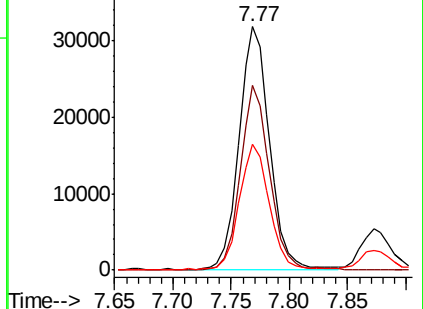
39 50.7 40.4 60.6

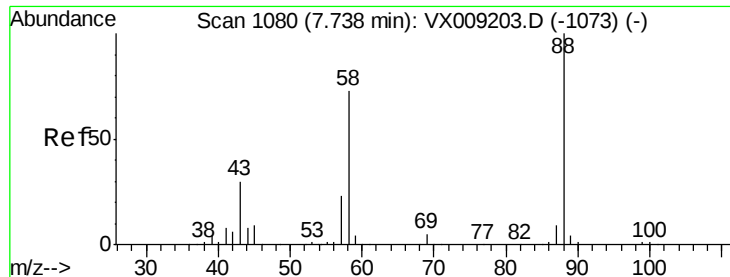


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

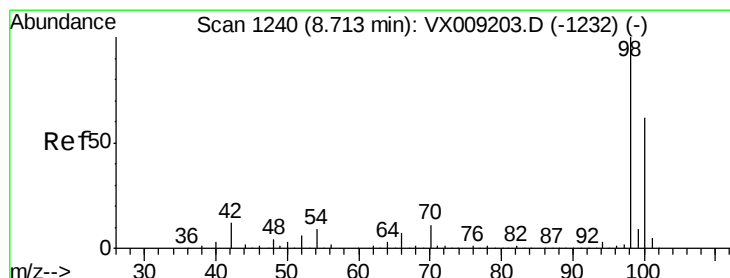
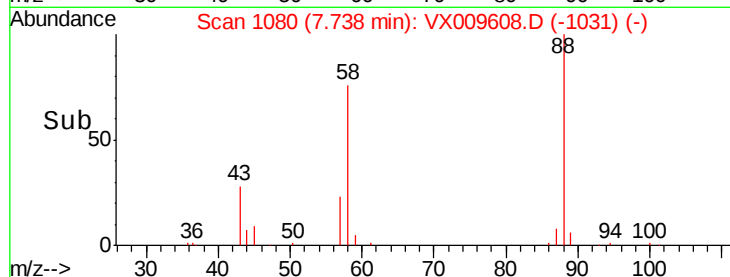
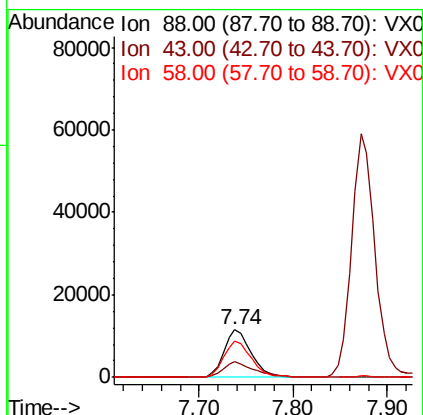
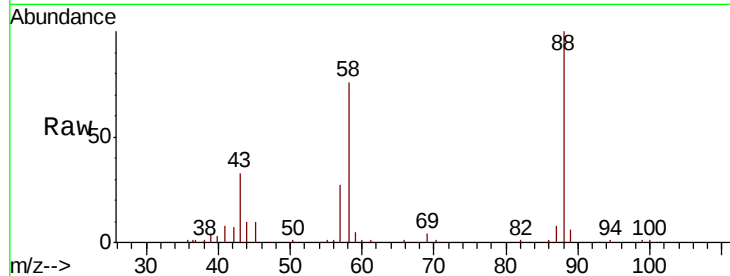




#49
1,4-Dioxane
Concen: 422.443 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

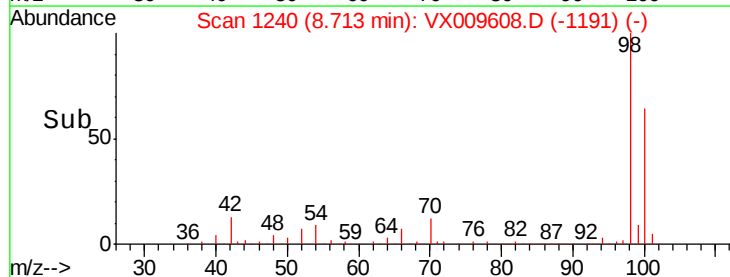
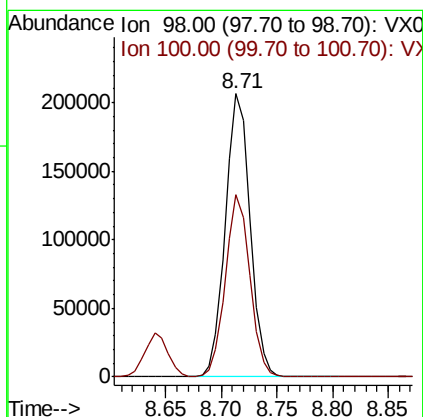
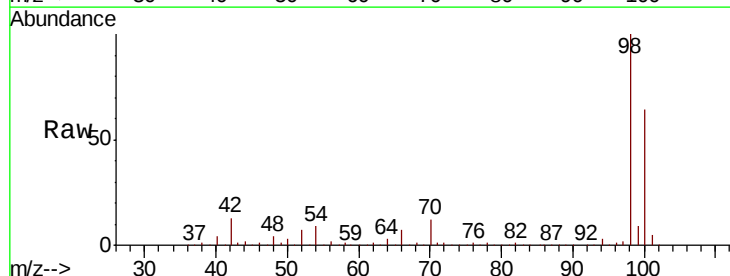
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 88 Resp: 23114
Ion Ratio Lower Upper
88 100
43 35.2 28.6 42.8
58 78.6 61.7 92.5



#50
Toluene-d8
Concen: 47.848 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 98 Resp: 318859
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 109.333 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

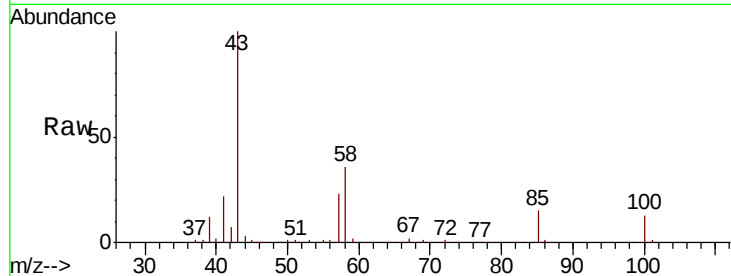
VX0516MBSD01

Tot Ion: 43 Resp: 388622

Ion Ratio Lower Upper

43 100

58 36.2 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

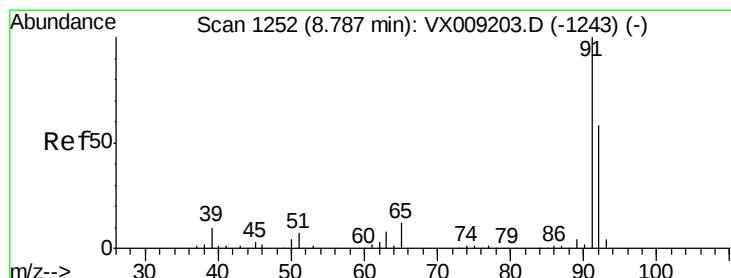
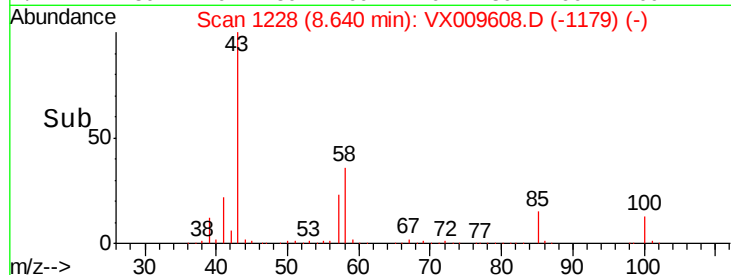
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.405 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009608.D

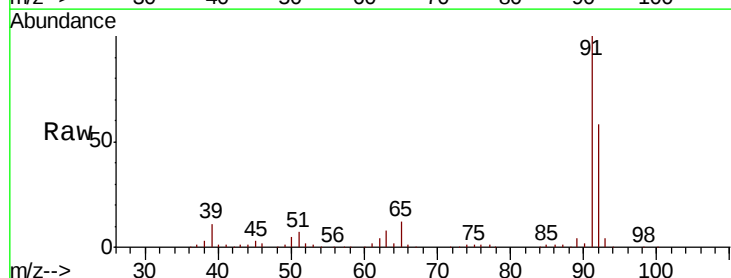
Acq: 16 May 2019 15:34

Tgt Ion: 92 Resp: 93671

Ion Ratio Lower Upper

92 100

91 172.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

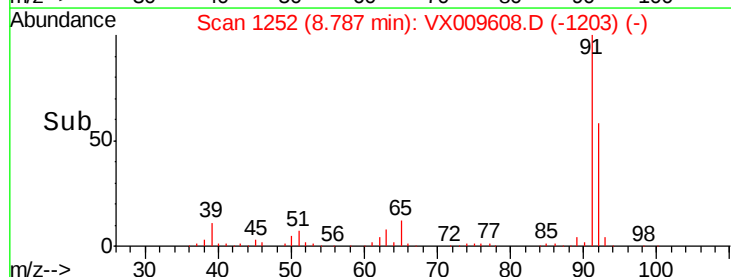
60000

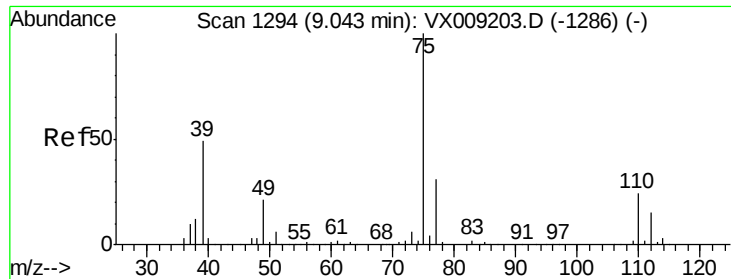
40000

20000

0

Time--> 8.70 8.80 8.90

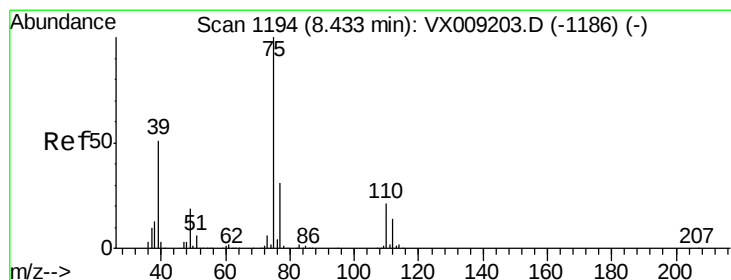
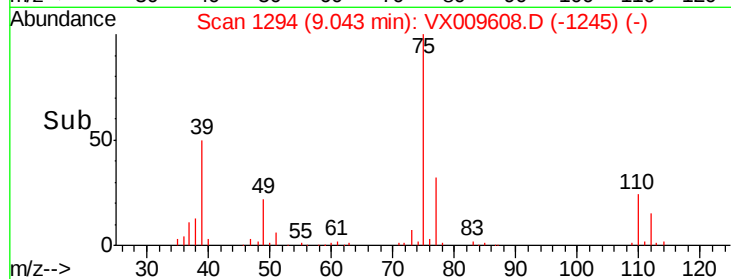
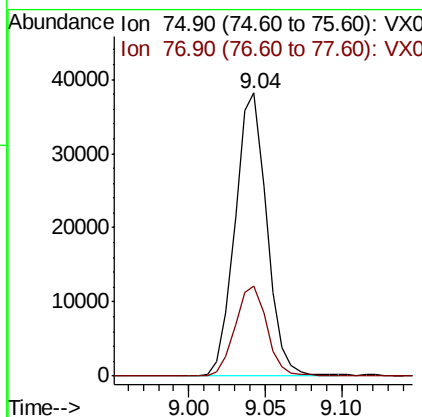
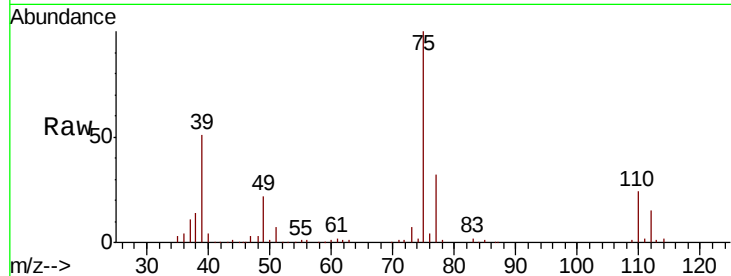




#53
t-1,3-Dichloropropene
Concen: 19.650 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

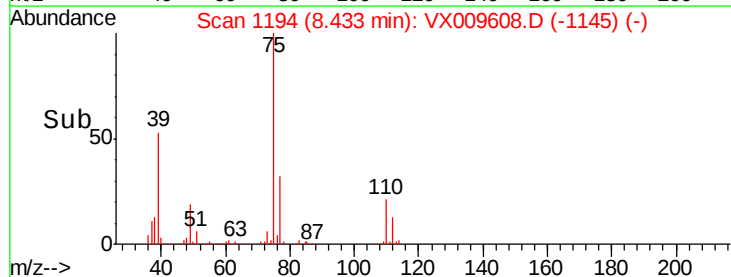
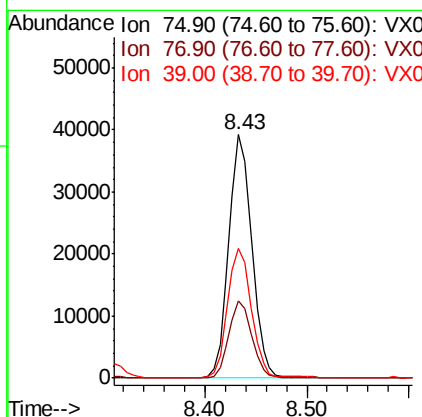
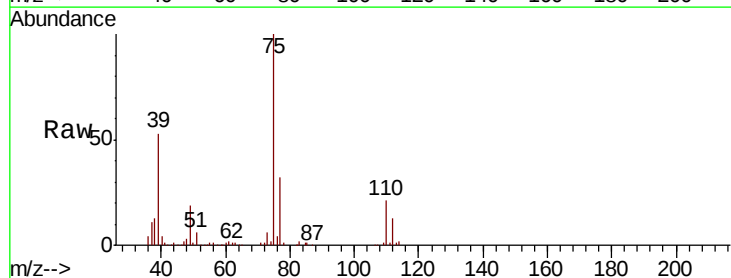
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 75 Resp: 54952
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.915 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 75 Resp: 61644
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 53.0 40.6 60.8

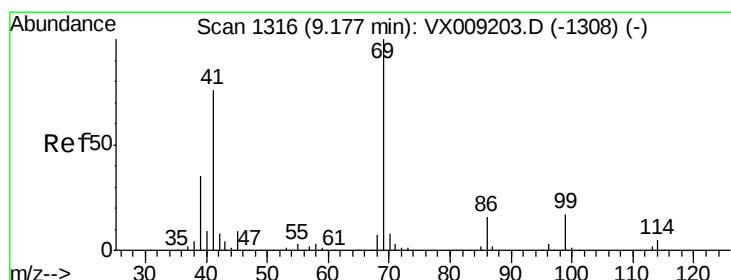
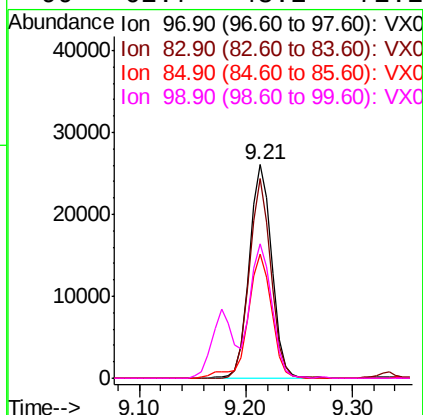
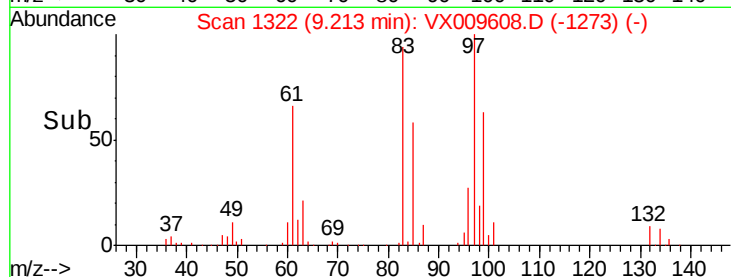
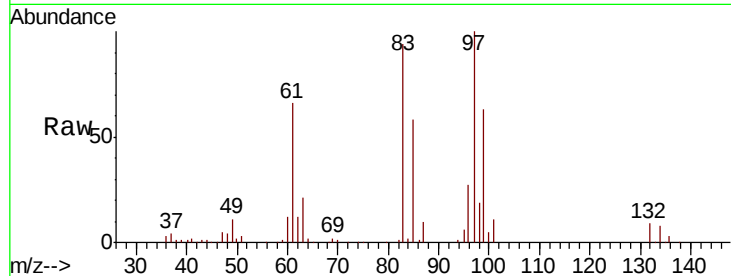




#55
 1,1,2-Trichloroethane
 Concen: 20.782 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

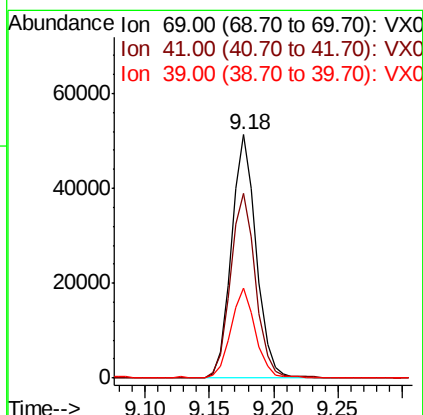
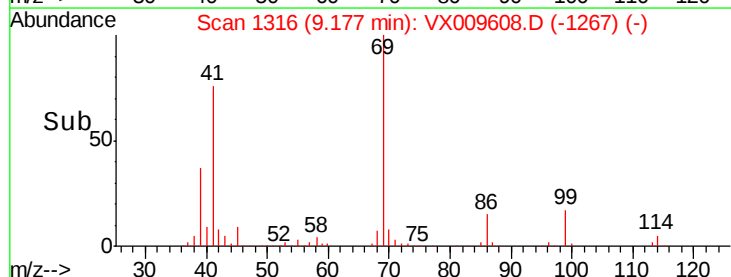
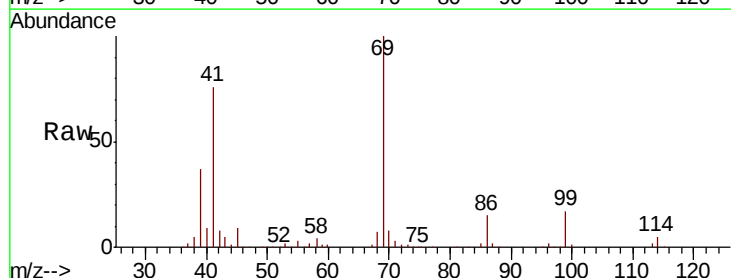
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

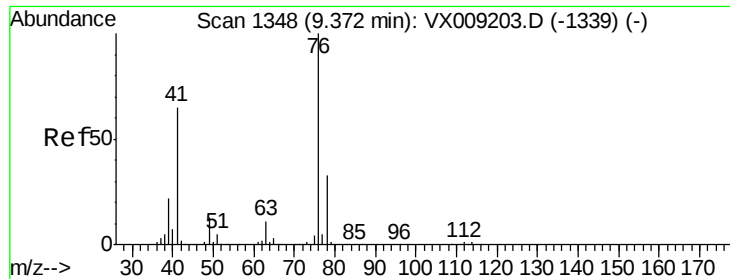
Tot Ion:	97	Resp:	38920
Ion	Ratio	Lower	Upper
97	100		
83	93.6	68.9	103.3
85	58.2	43.8	65.6
99	62.7	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 20.715 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:	69	Resp:	69251
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.6	90.8
39	36.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 20.615 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

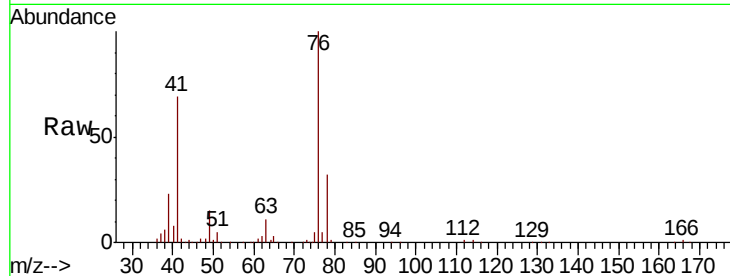
VX0516MBSD01

Tot Ion: 76 Resp: 67940

Ion Ratio Lower Upper

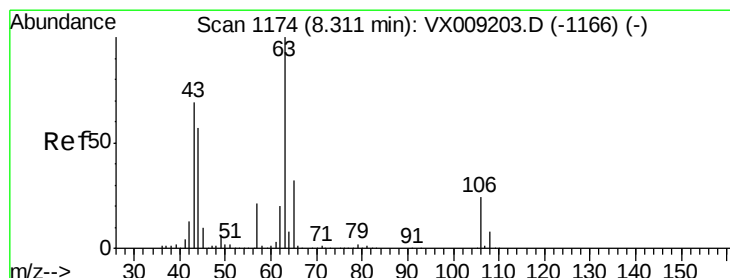
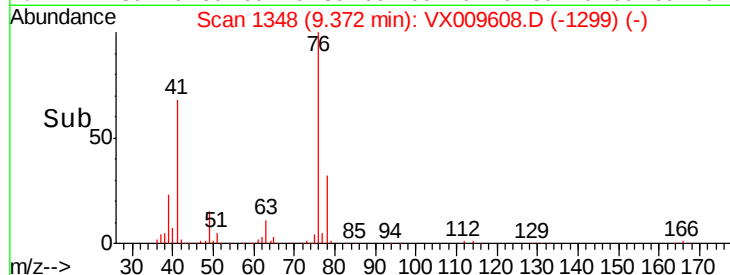
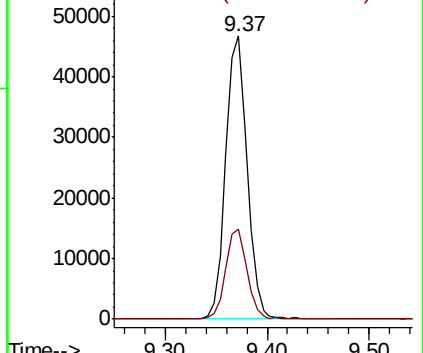
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.188 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009608.D

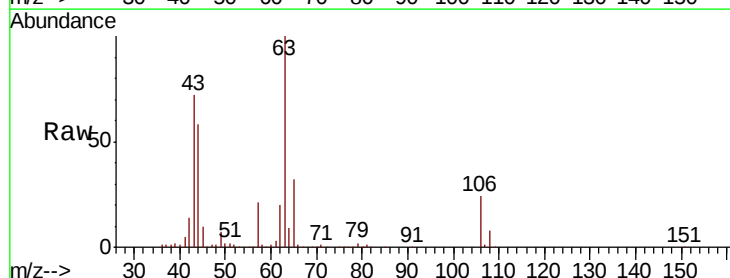
Acq: 16 May 2019 15:34

Tgt Ion: 63 Resp: 163492

Ion Ratio Lower Upper

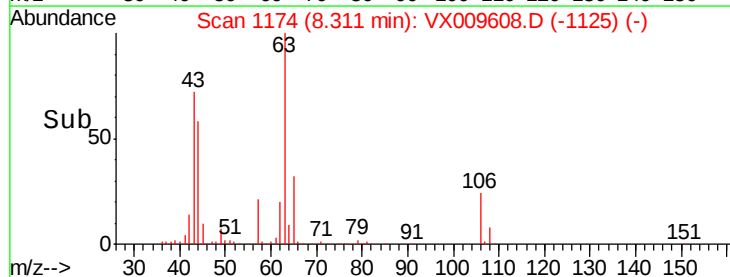
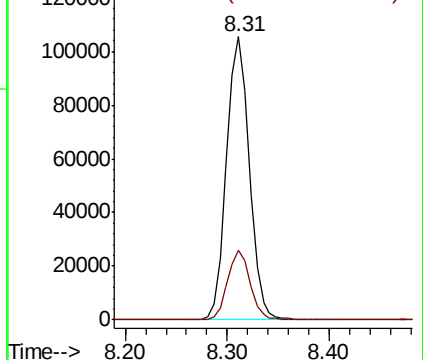
63 100

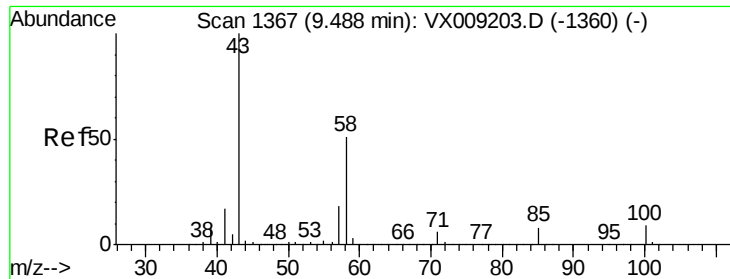
106 24.2 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

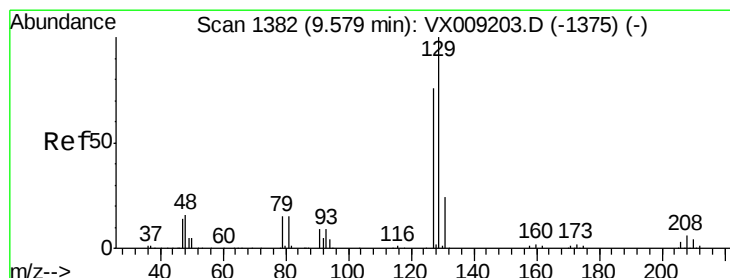
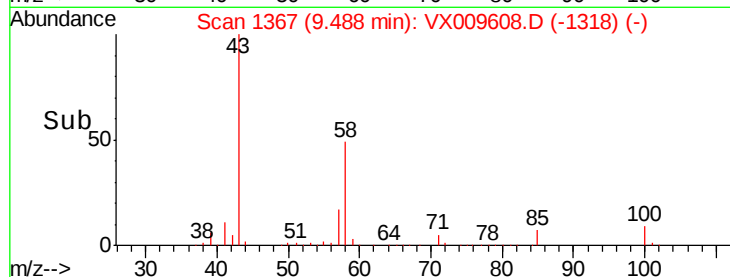
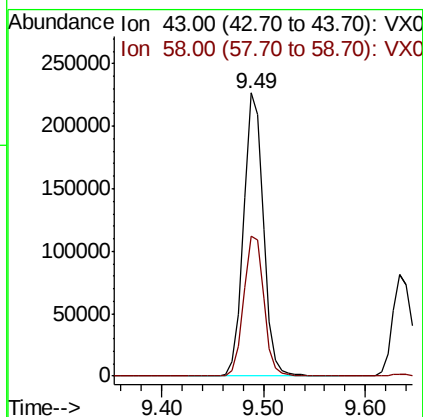
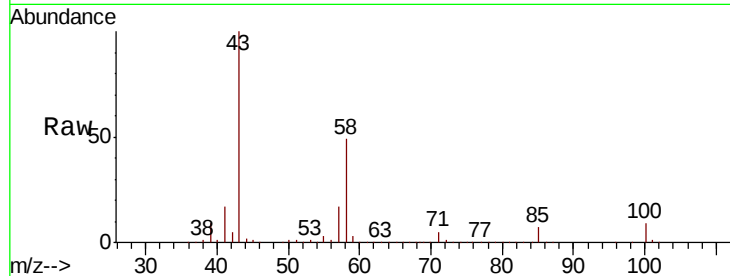




#59
2-Hexanone
Concen: 108.367 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

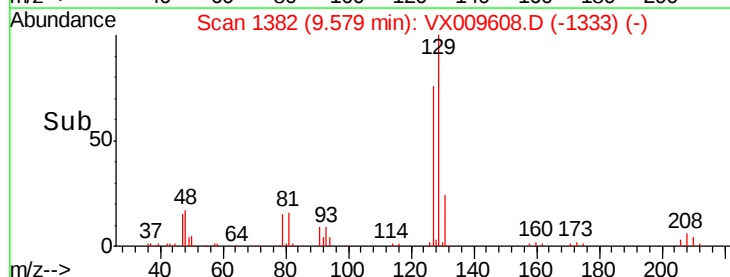
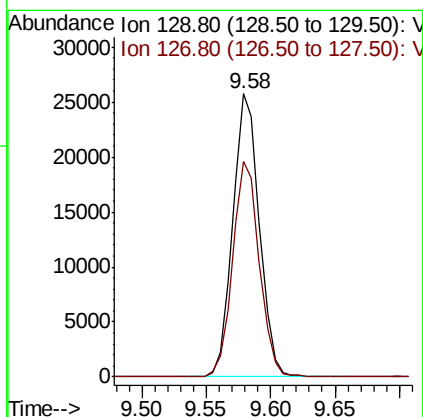
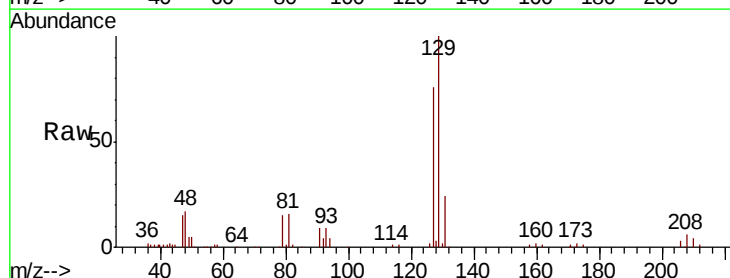
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

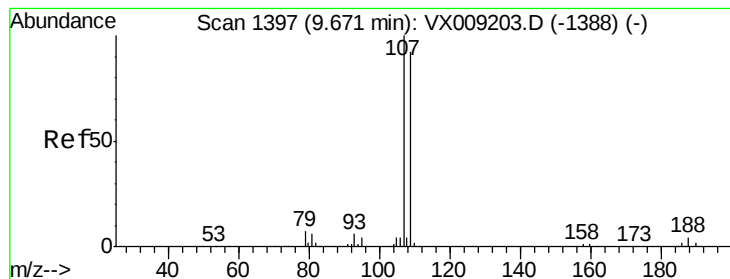
Tot Ion: 43 Resp: 302522
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7



#60
Dibromochloromethane
Concen: 20.225 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 129 Resp: 36994
Ion Ratio Lower Upper
129 100
127 76.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.505 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

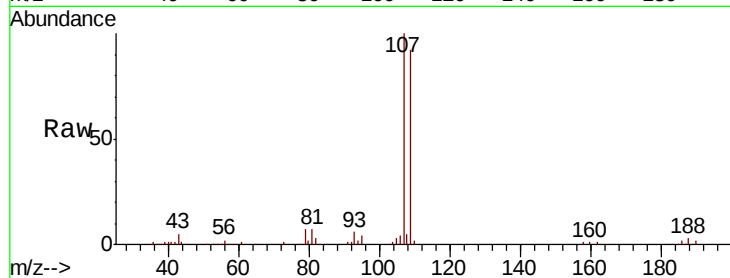
VX0516MBSD01

Tot Ion:107 Resp: 38764

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

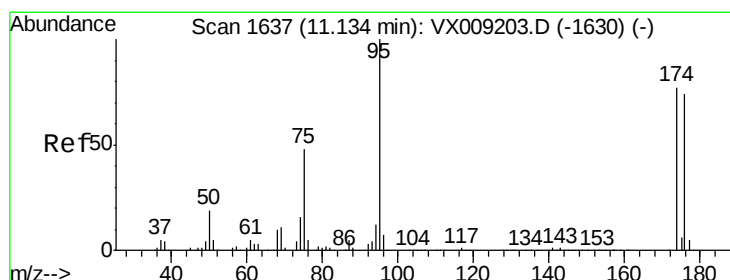
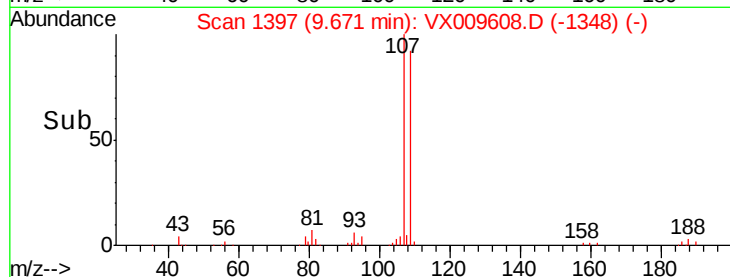
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.822 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

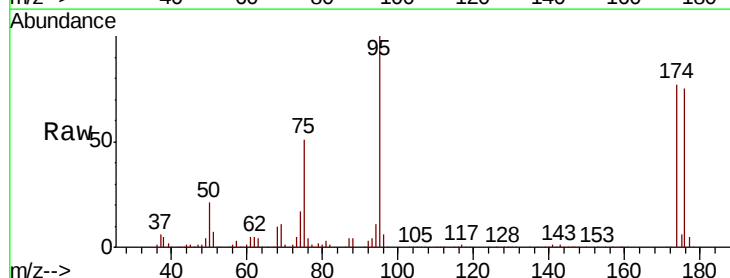
Tgt Ion: 95 Resp: 115798

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 79.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

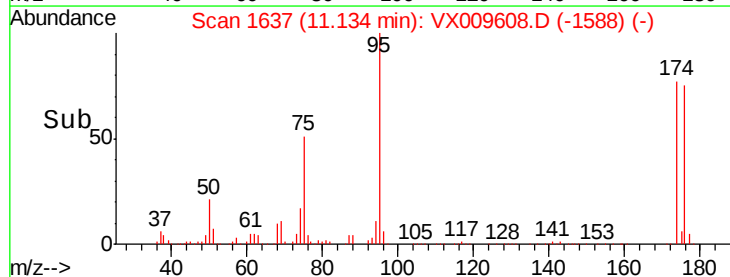
40000

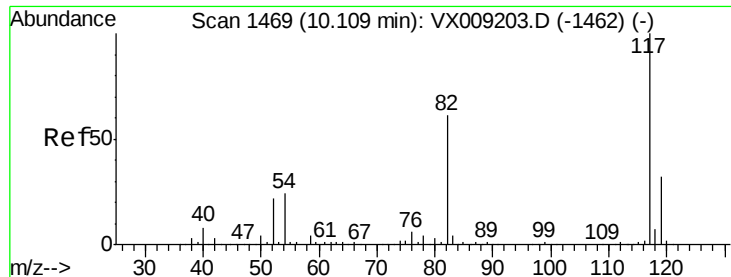
20000

0

Time-->

11.10 11.20

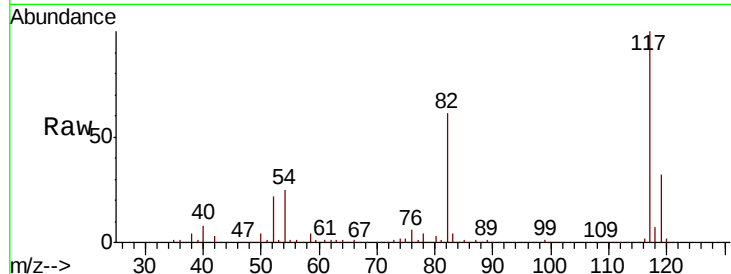




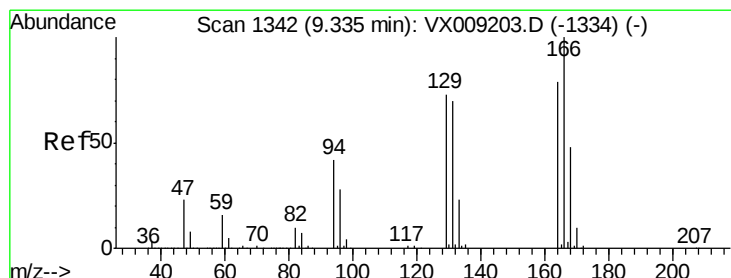
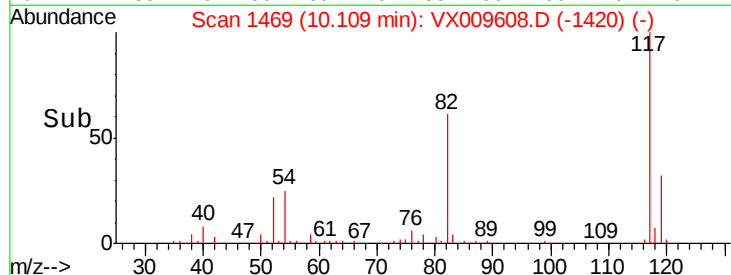
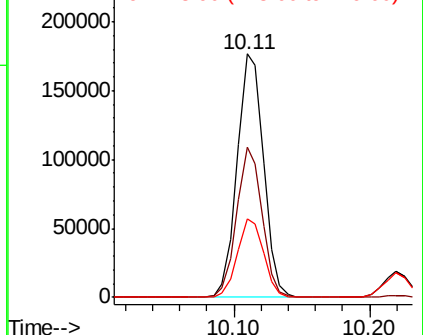
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion:117 Resp: 238751
Ion Ratio Lower Upper
117 100
82 61.4 48.8 73.2
119 32.2 25.8 38.6

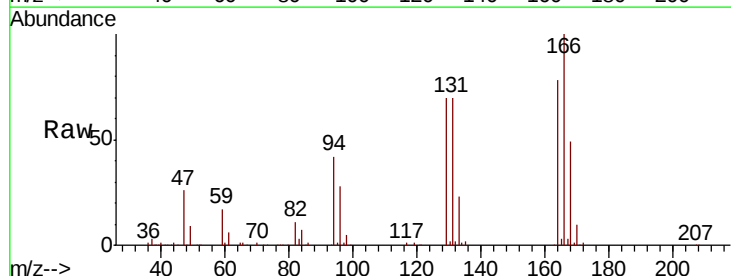


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

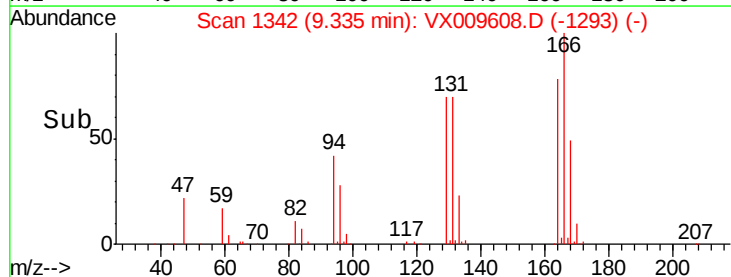
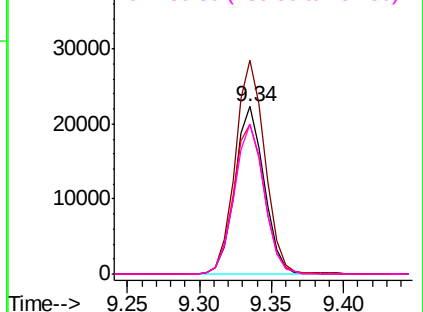


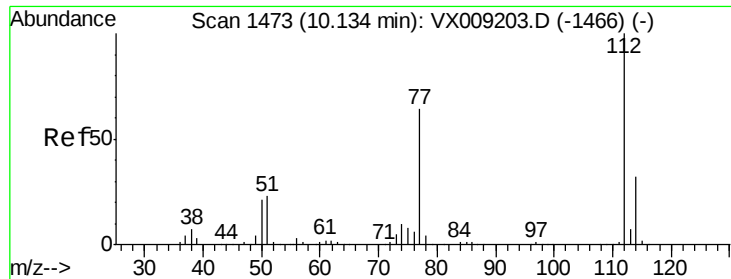
#64
Tetrachloroethene
Concen: 19.313 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:164 Resp: 31630
Ion Ratio Lower Upper
164 100
166 127.6 101.2 151.8
129 89.1 74.3 111.5
131 89.4 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

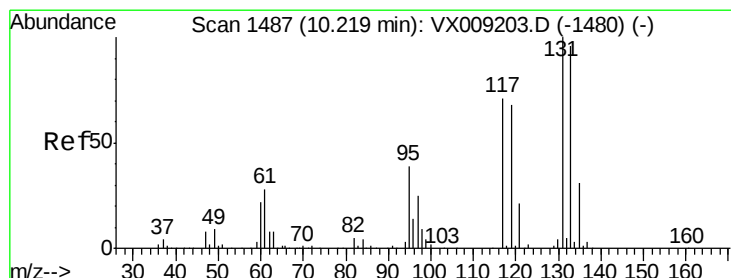
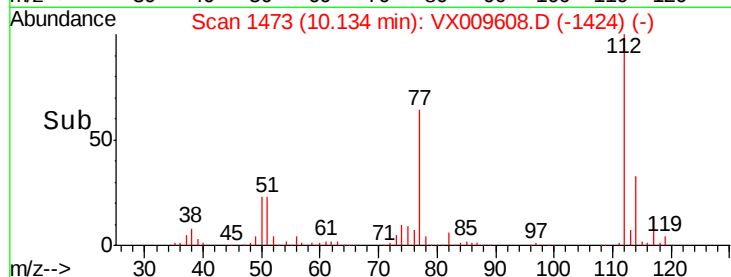
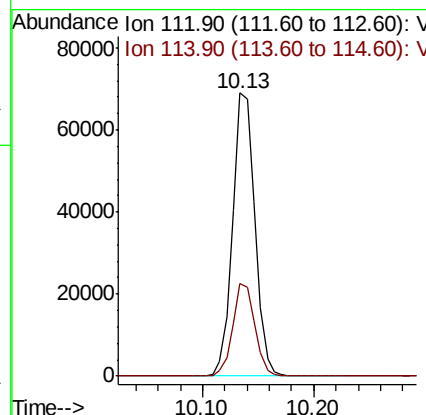
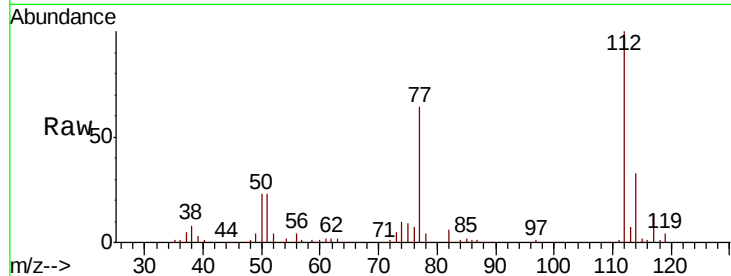




#65
Chlorobenzene
Concen: 20.043 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

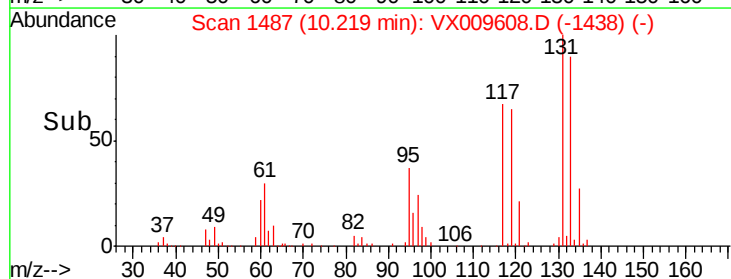
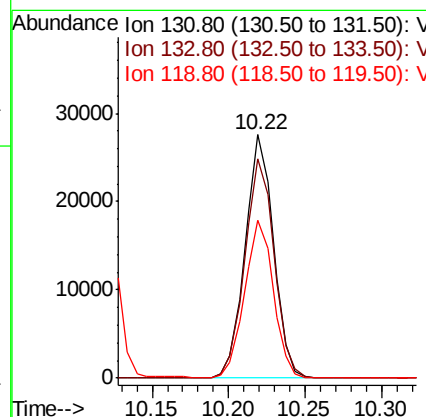
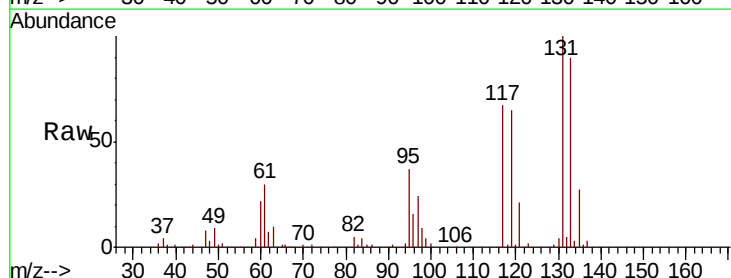
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

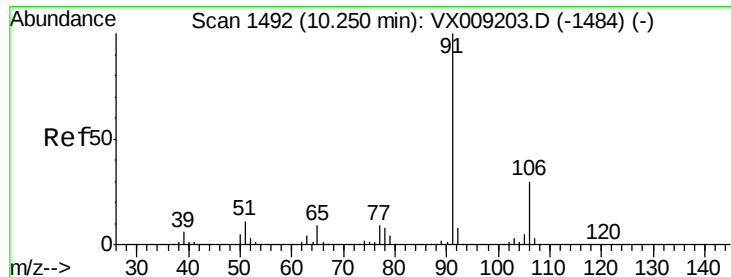
Tot Ion:112 Resp: 95728
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.518 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:131 Resp: 35527
Ion Ratio Lower Upper
131 100
133 93.2 47.7 143.1
119 65.8 33.5 100.4





#67

Ethyl Benzene

Concen: 20.284 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

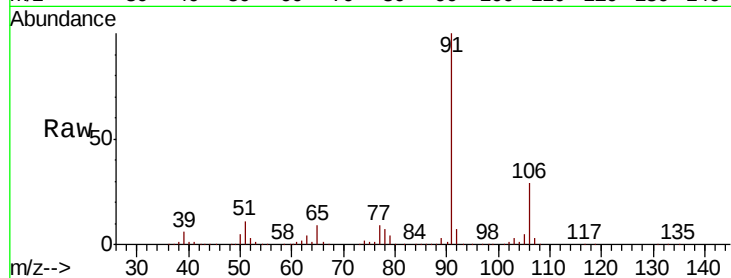
VX0516MBSD01

Tot Ion: 91 Resp: 178297

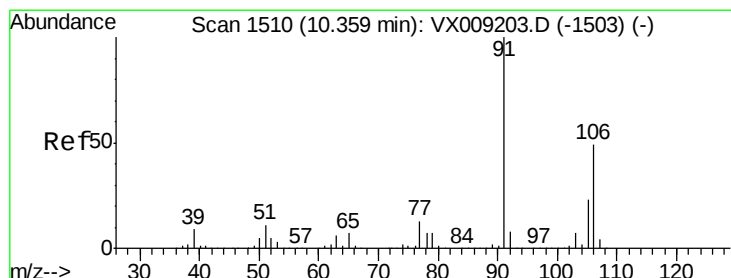
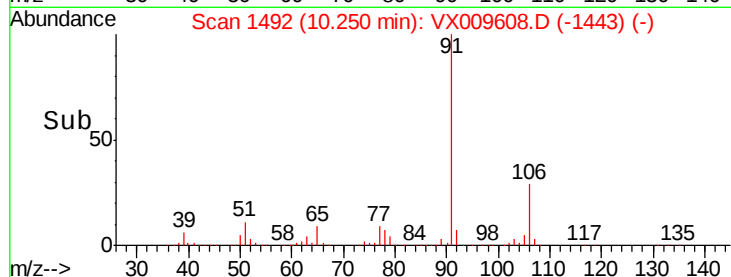
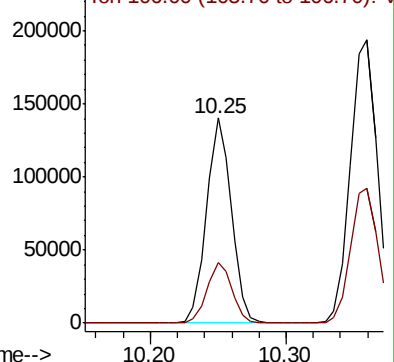
Ion Ratio Lower Upper

91 100

106 29.5 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 40.378 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009608.D

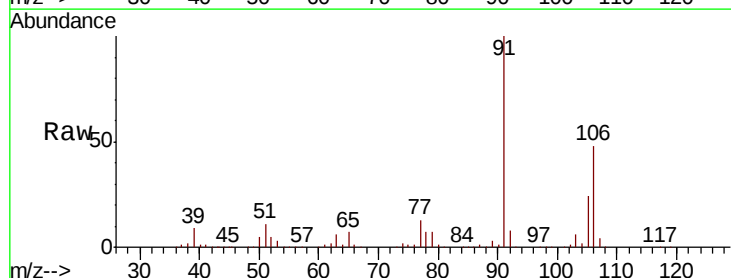
Acq: 16 May 2019 15:34

Tgt Ion: 106 Resp: 129698

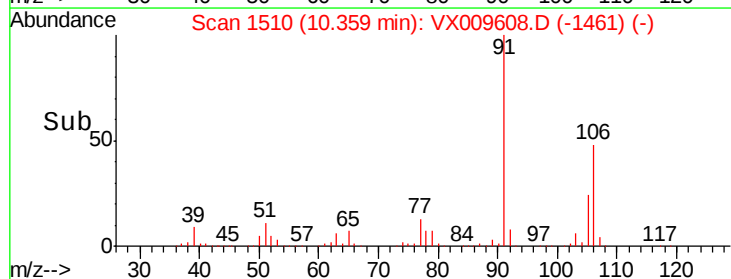
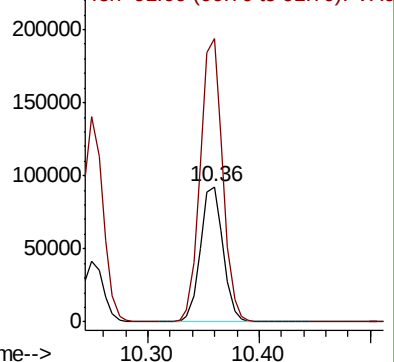
Ion Ratio Lower Upper

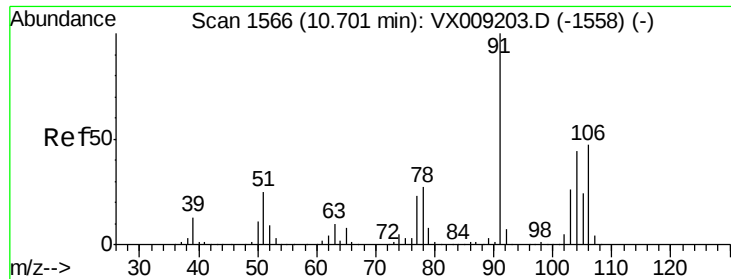
106 100

91 207.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)

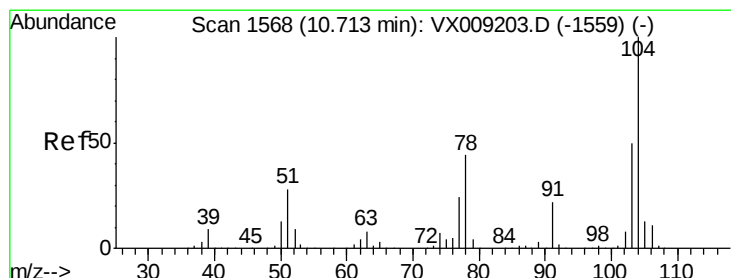
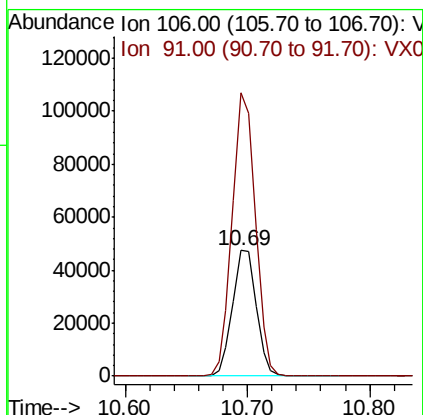
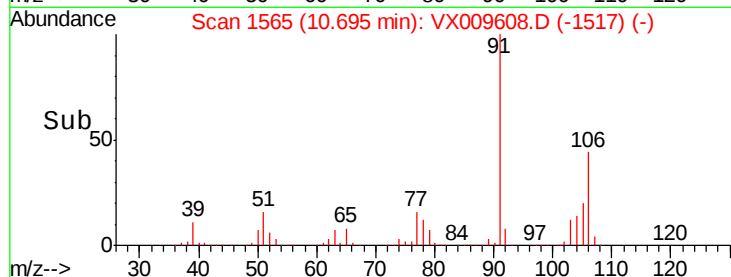
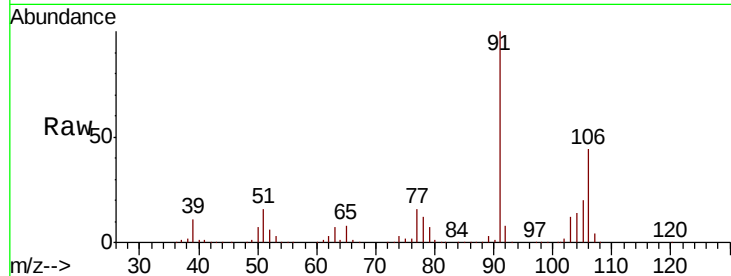




#69
o-Xylene
Concen: 20.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

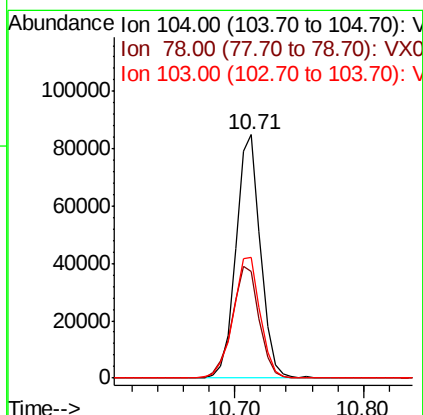
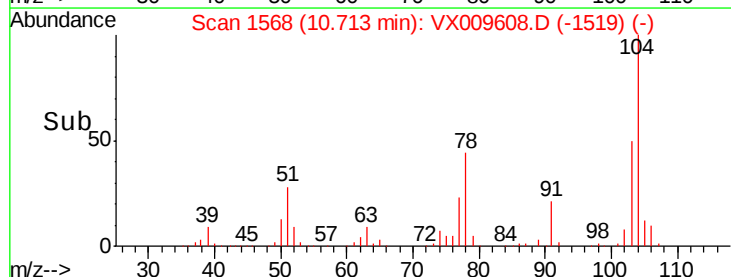
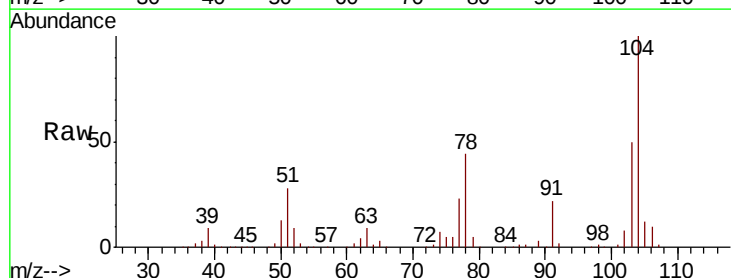
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

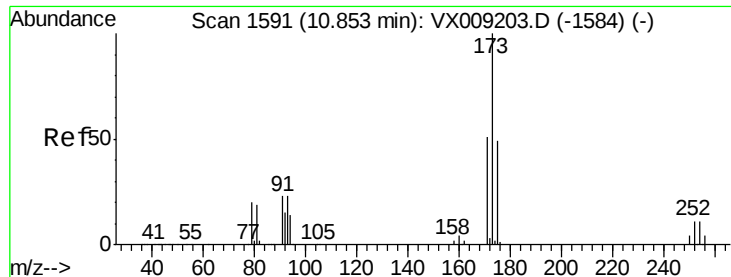
Tot Ion:106 Resp: 63816
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4



#70
Styrene
Concen: 20.312 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:104 Resp: 111882
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 55.3 43.8 65.6





#71

Bromoform

Concen: 19.518 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

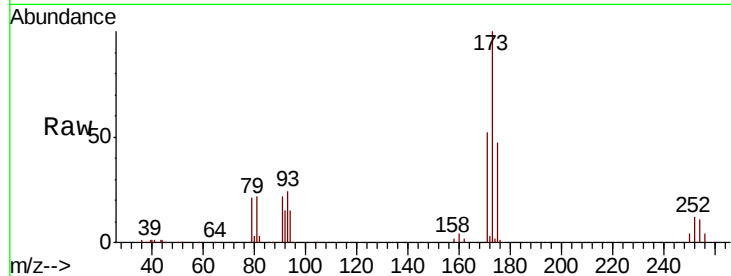
Tot Ion:173 Resp: 27464

Ion Ratio Lower Upper

173 100

175 47.9 24.5 73.5

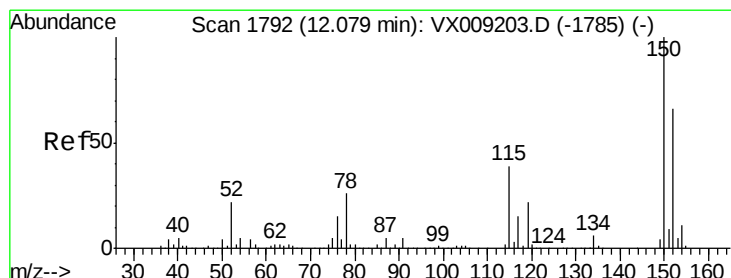
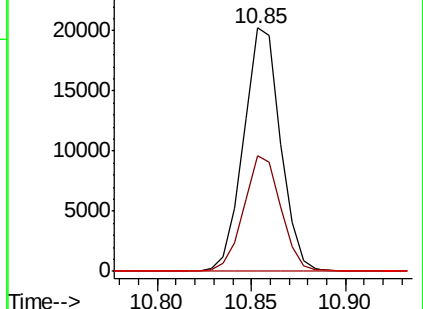
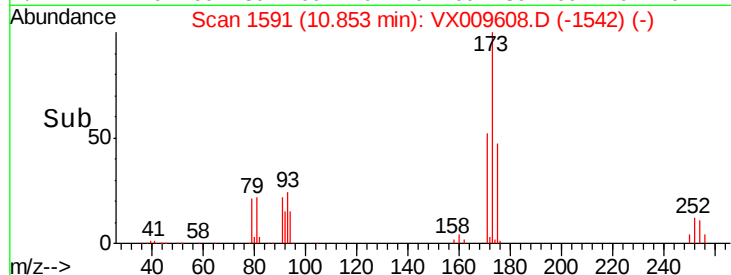
254 0.0 0.1 0.1#



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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

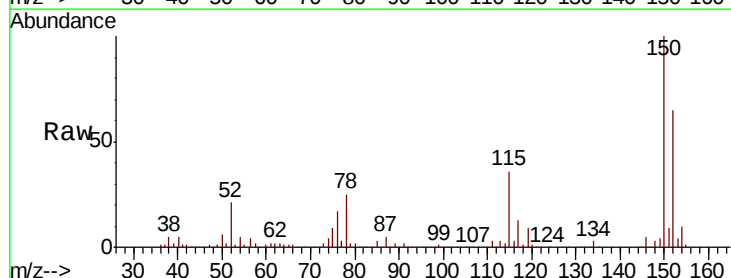
Tgt Ion:152 Resp: 117554

Ion Ratio Lower Upper

152 100

115 67.0 41.2 123.6

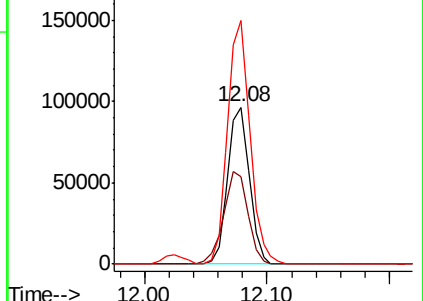
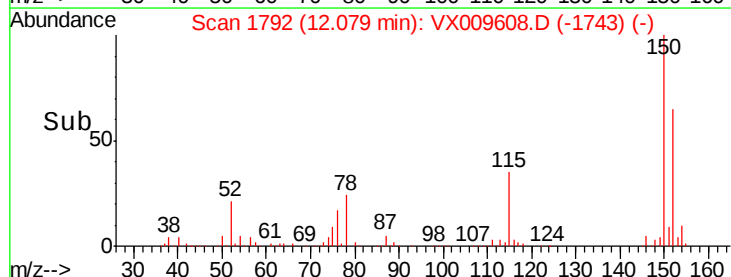
150 161.8 0.0 346.4

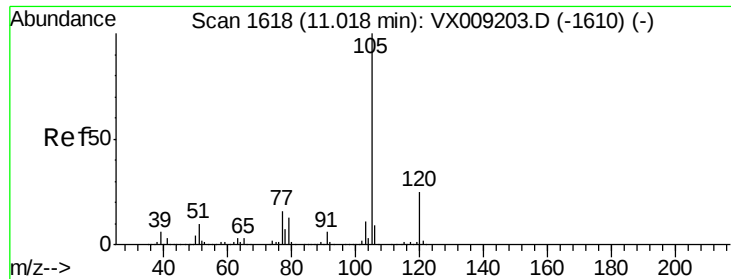


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.834 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

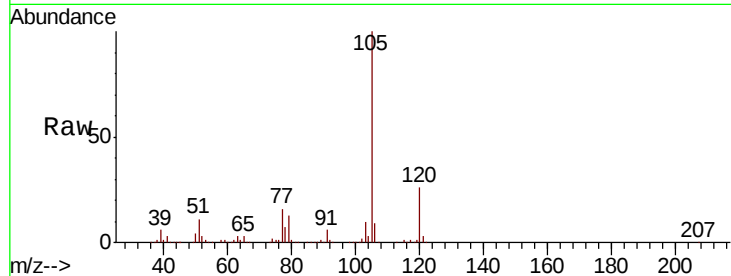
VX0516MBSD01

Tot Ion:105 Resp: 169548

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

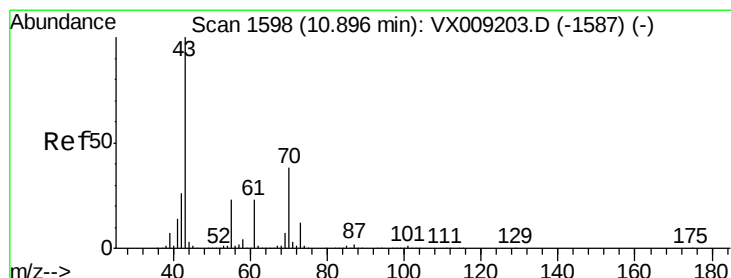
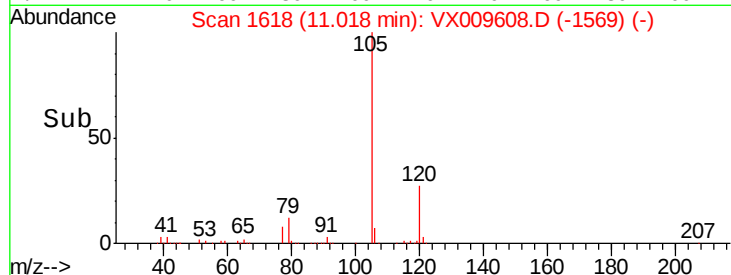
11.02

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.954 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Tgt Ion: 43 Resp: 104431

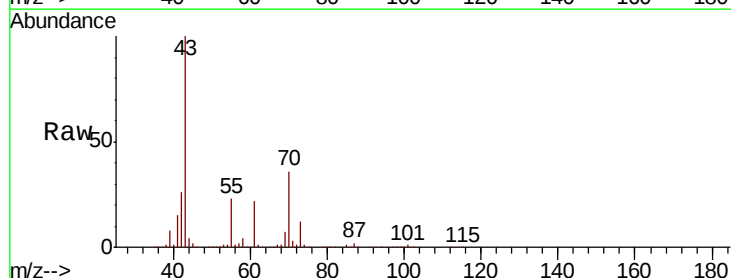
Ion Ratio Lower Upper

43 100

70 36.4 30.0 45.0

55 22.9 17.9 26.9

61 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

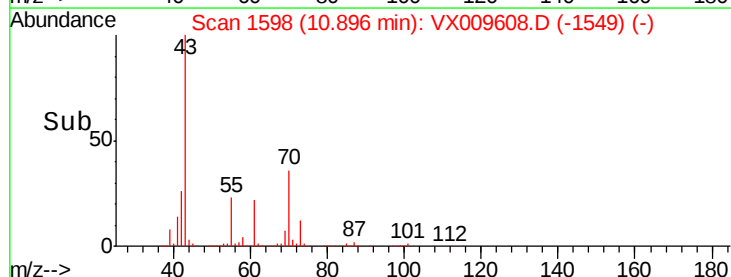
100000

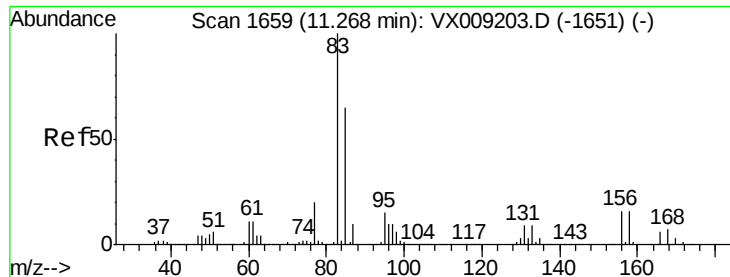
10.90

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.738 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

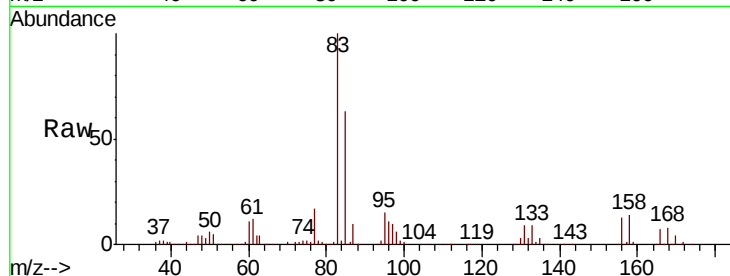
Tot Ion: 83 Resp: 66087

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

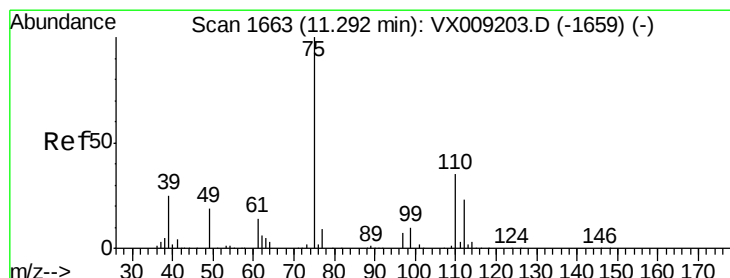
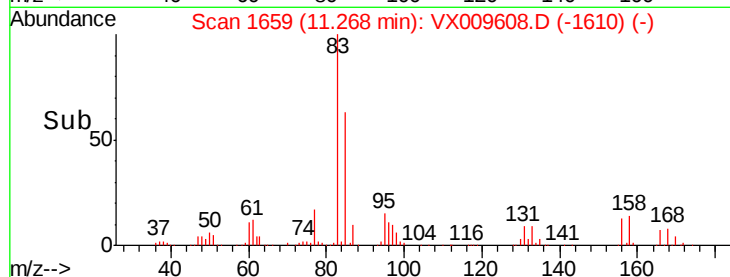
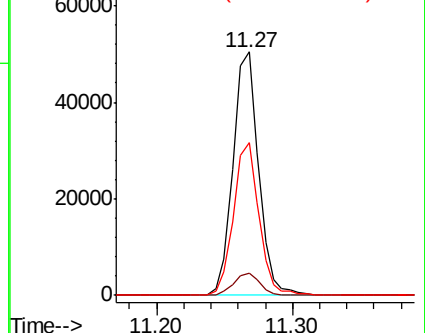
85 62.7 32.0 96.2



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: 27.482 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009608.D

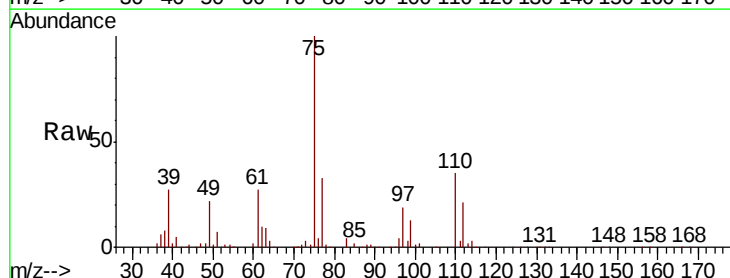
Acq: 16 May 2019 15:34

Tgt Ion: 75 Resp: 74939

Ion Ratio Lower Upper

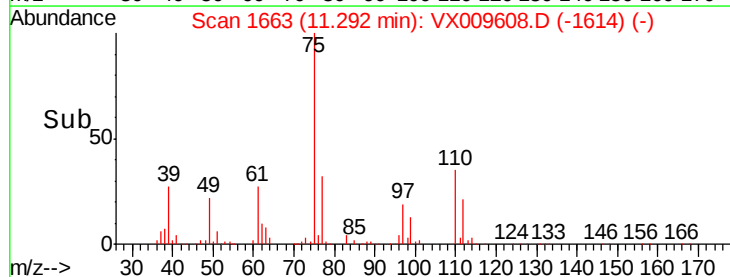
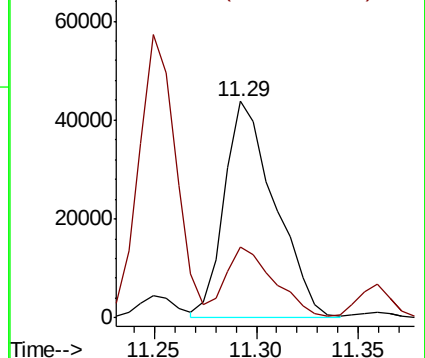
75 100

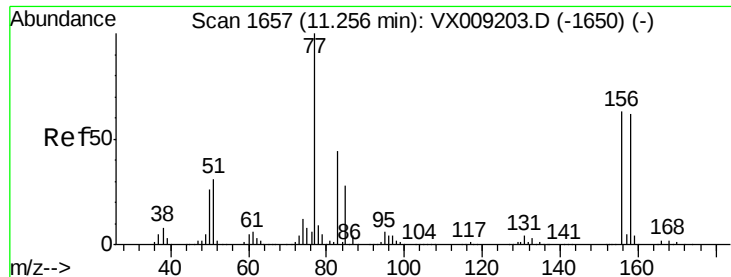
77 31.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.856 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

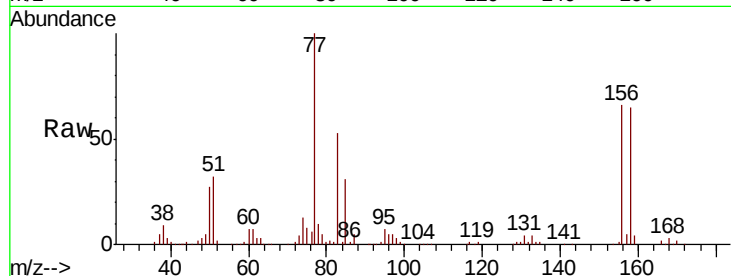
Tot Ion:156 Resp: 42129

Ion Ratio Lower Upper

156 100

77 171.3 84.8 254.3

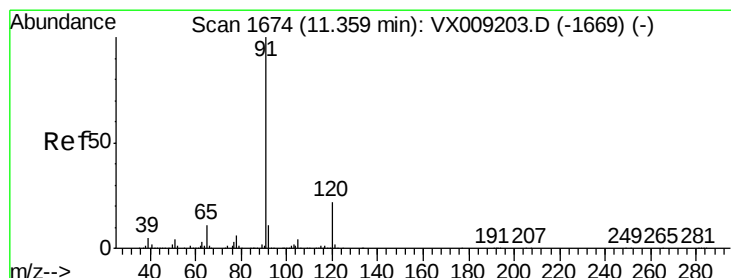
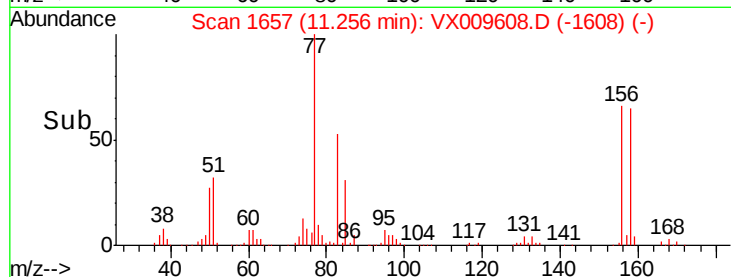
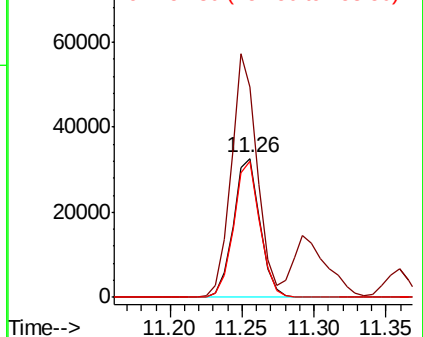
158 97.0 49.1 147.3



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: 19.818 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009608.D

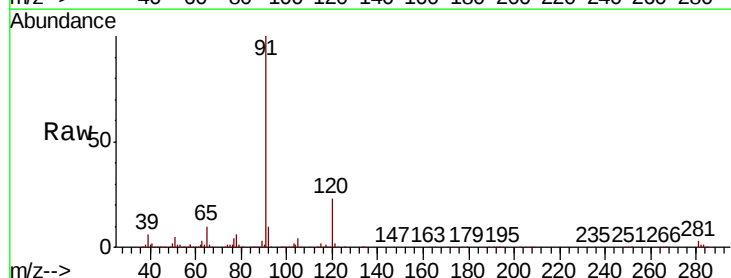
Acq: 16 May 2019 15:34

Tgt Ion: 91 Resp: 193475

Ion Ratio Lower Upper

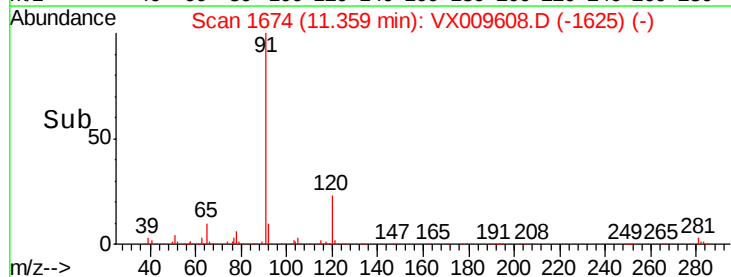
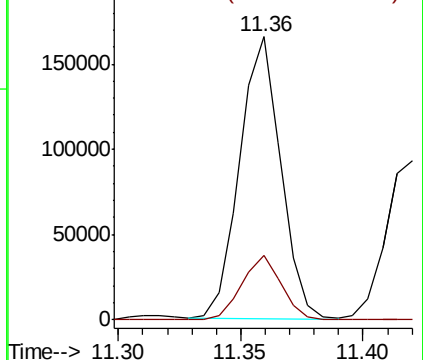
91 100

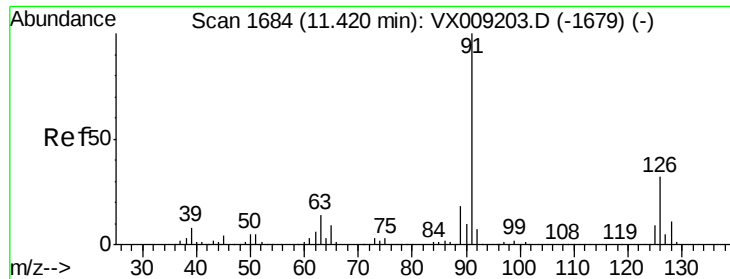
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

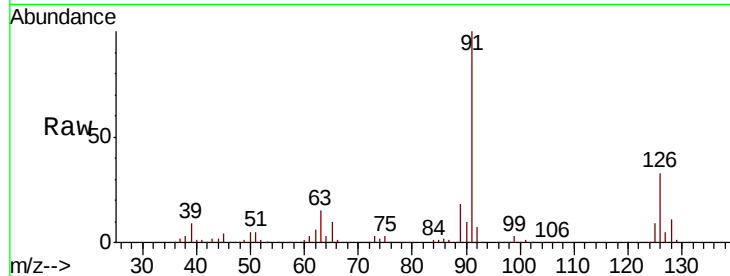




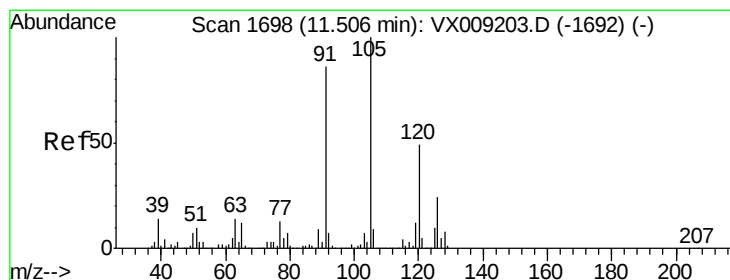
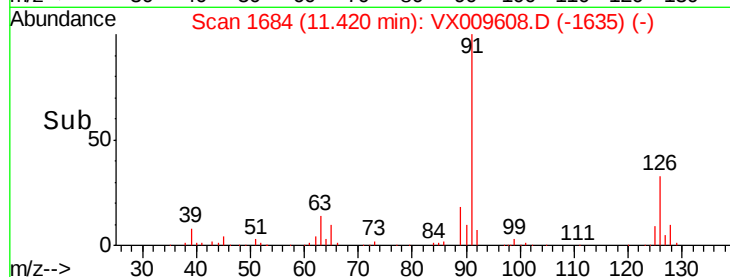
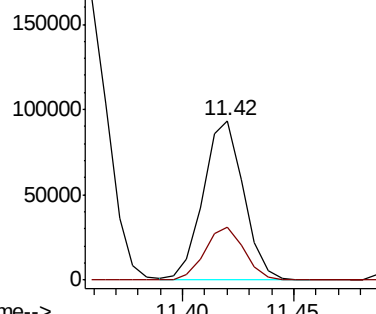
#79
 2-Chlorotoluene
 Concen: 19.579 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion: 91 Resp: 117926
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.3 48.9

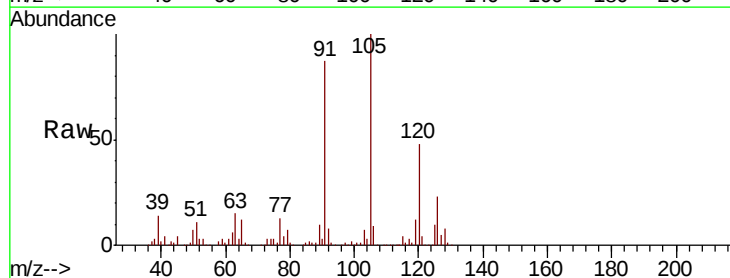


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

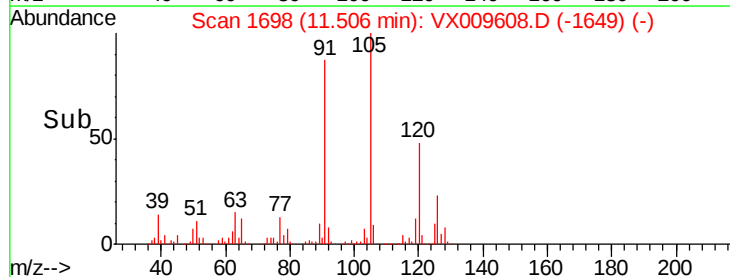
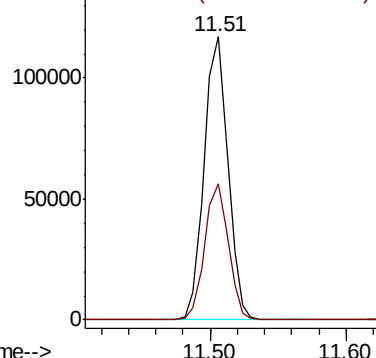


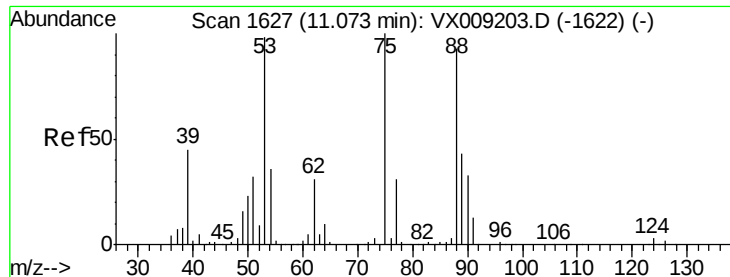
#80
 1,3,5-Trimethylbenzene
 Concen: 19.921 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:105 Resp: 143387
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.385 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

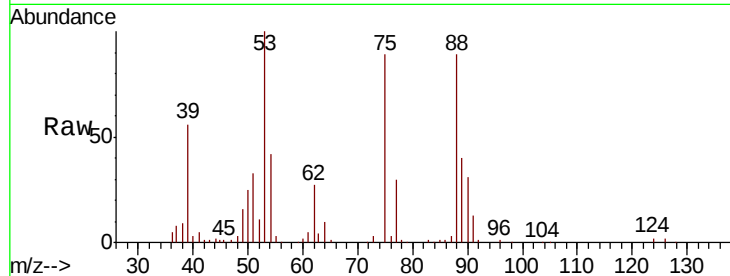
Tot Ion: 75 Resp: 19594

Ion Ratio Lower Upper

75 100

53 109.6 79.0 118.6

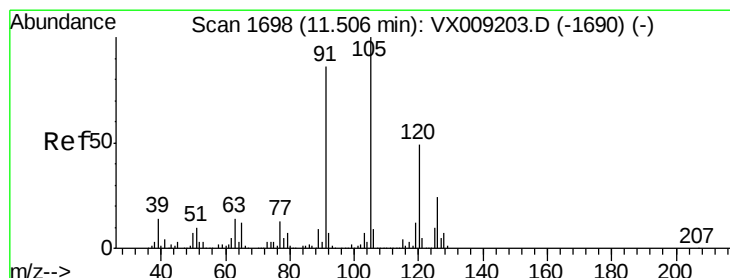
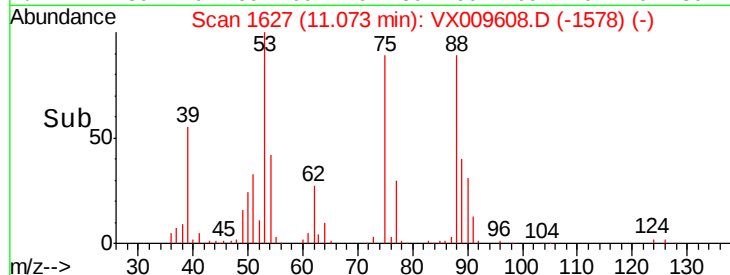
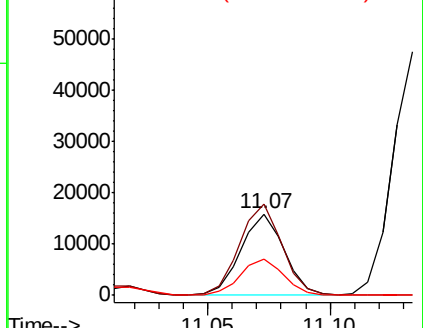
89 44.8 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.590 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009608.D

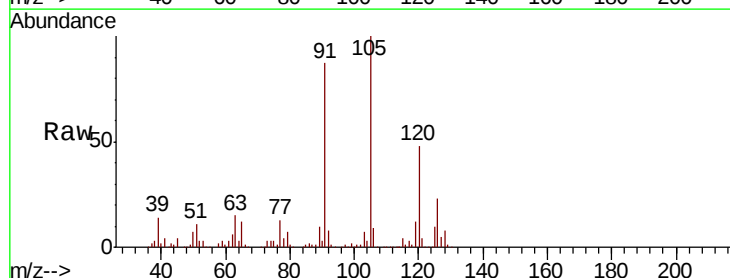
Acq: 16 May 2019 15:34

Tgt Ion: 91 Resp: 133296

Ion Ratio Lower Upper

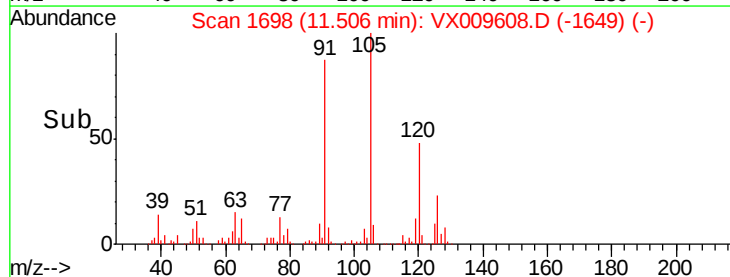
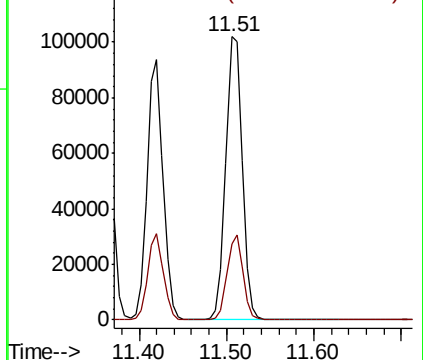
91 100

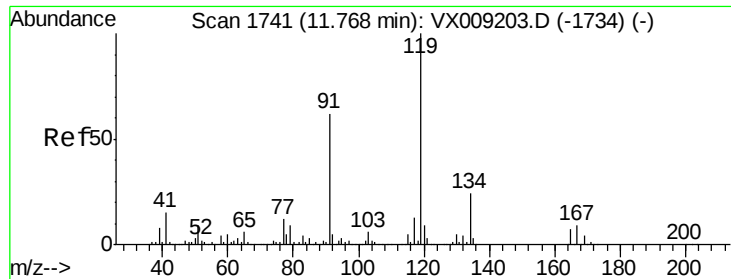
126 29.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

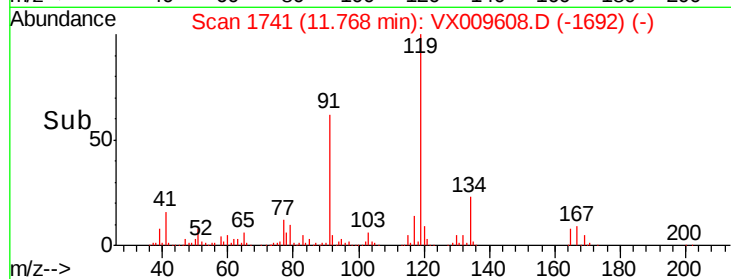
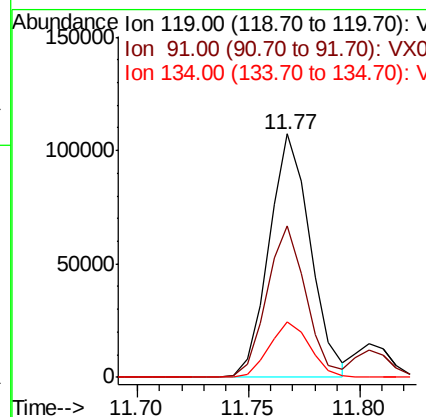
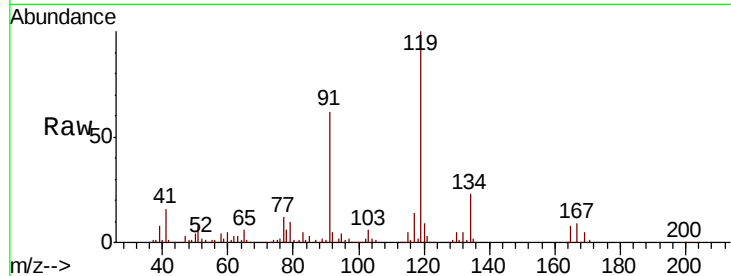




#83
tert-Butylbenzene
Concen: 19.700 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

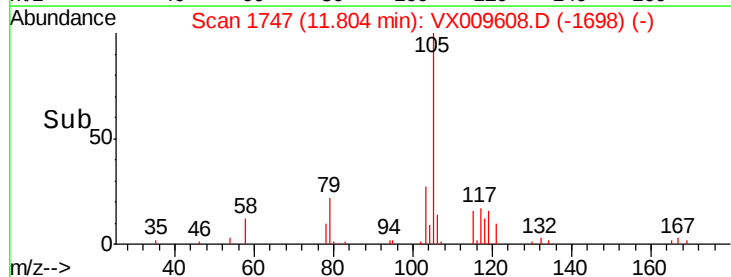
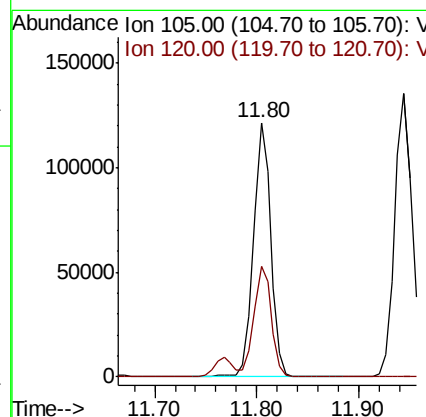
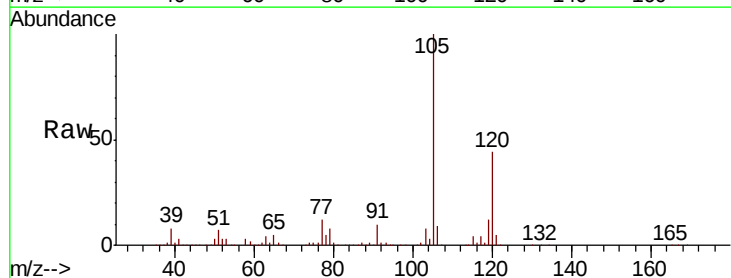
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion:119 Resp: 137941
Ion Ratio Lower Upper
119 100
91 59.5 29.5 88.5
134 22.1 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 19.986 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion:105 Resp: 144394
Ion Ratio Lower Upper
105 100
120 43.5 22.0 66.0

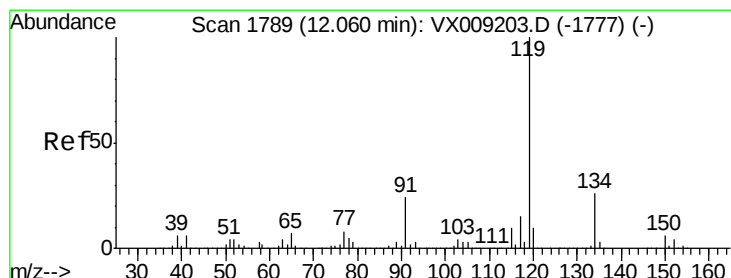
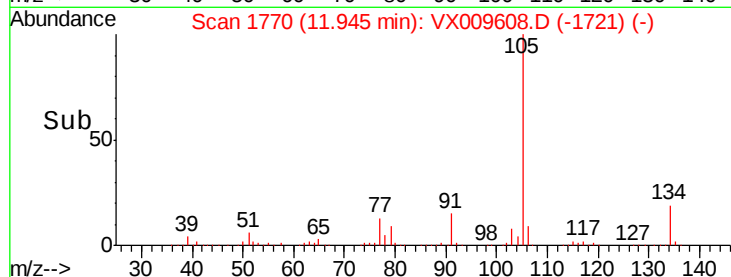
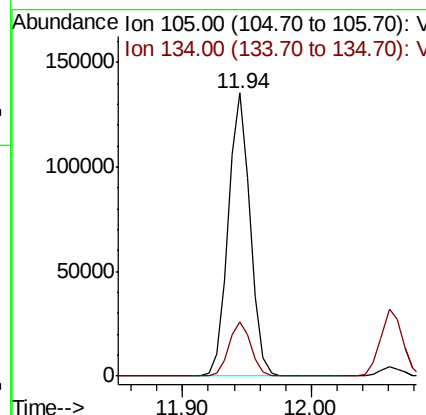
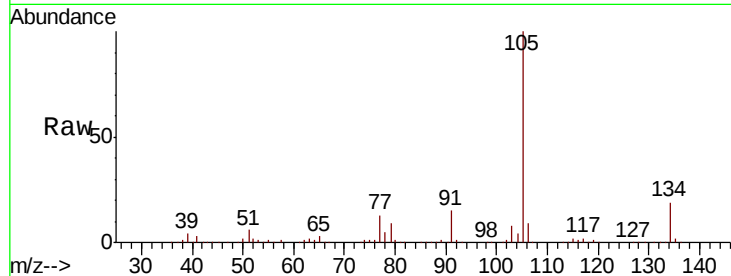




#85
 sec-Butylbenzene
 Concen: 19.554 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

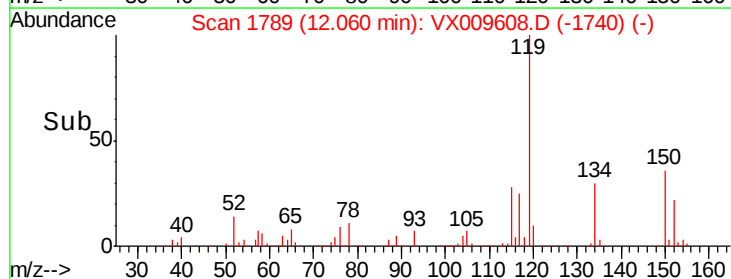
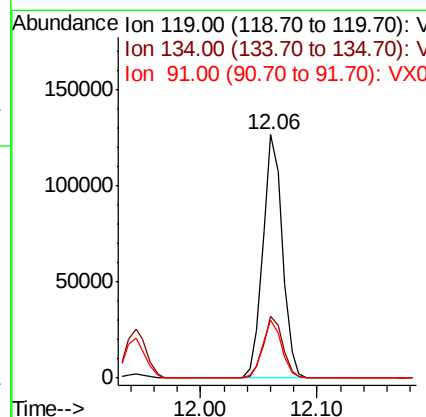
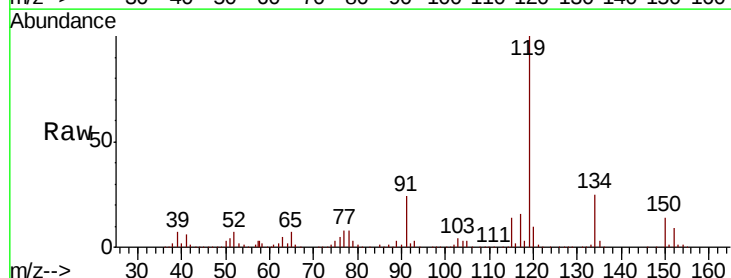
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBS01

Tot Ion:105 Resp: 162321
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.971 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:119 Resp: 149038
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 23.7 11.8 35.4

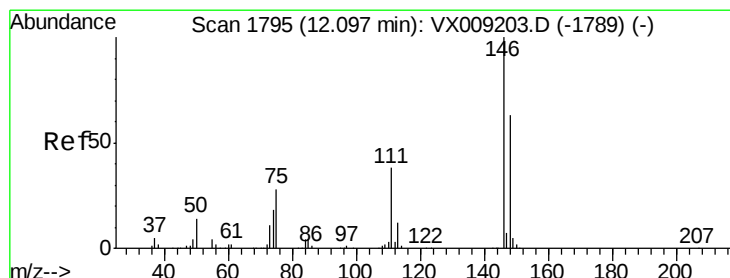
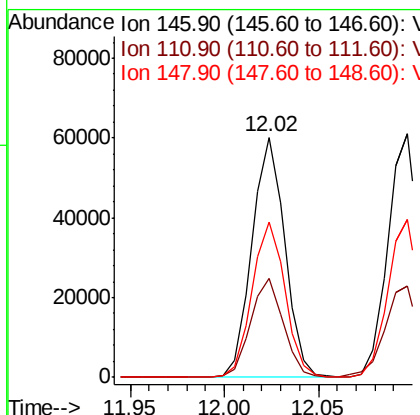
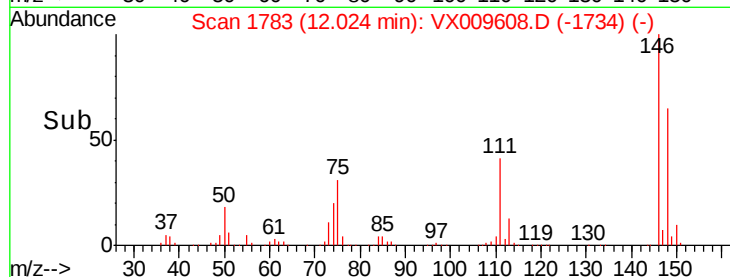
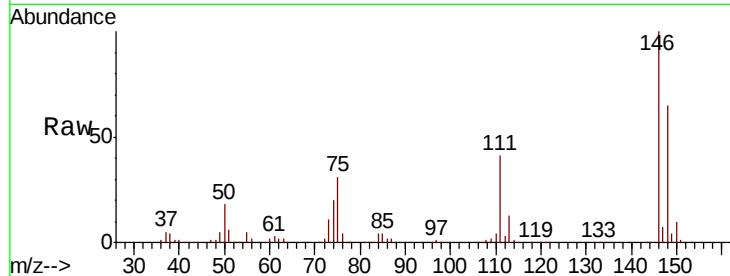




#87
 1,3-Dichlorobenzene
 Concen: 19.250 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

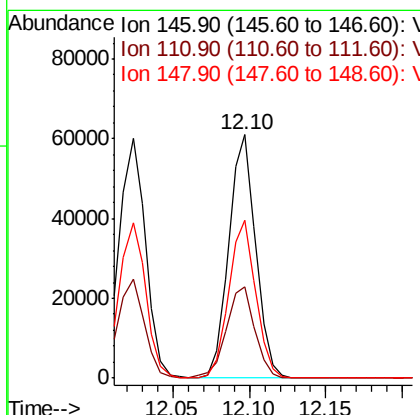
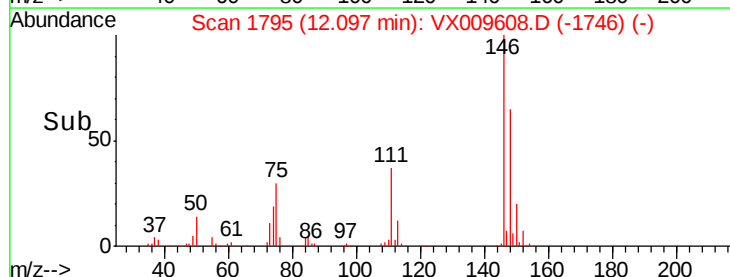
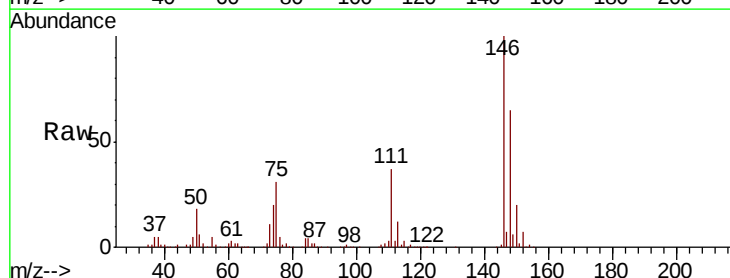
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

Tot Ion:146 Resp: 72811
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 59.9
 148 65.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.446 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:146 Resp: 74154
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.8
 148 65.1 31.8 95.3

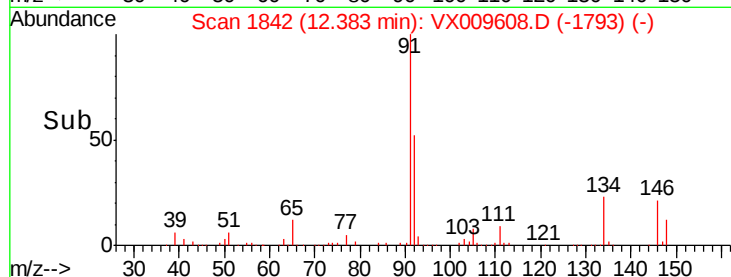
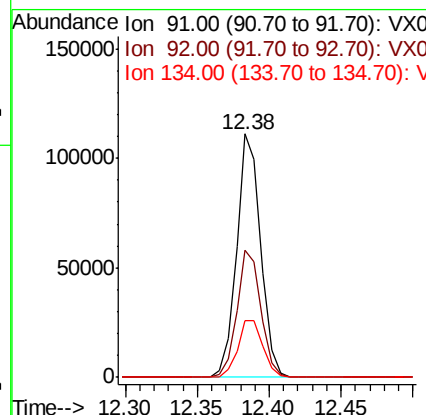
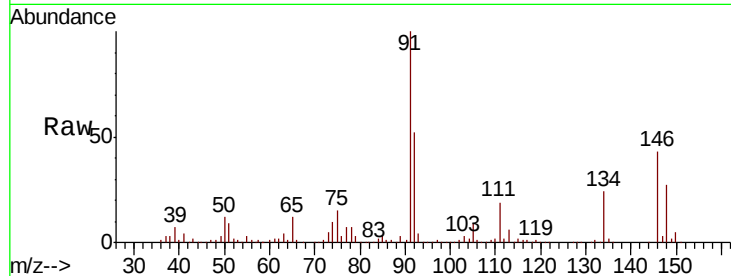




#89
n-Butylbenzene
Concen: 19.211 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

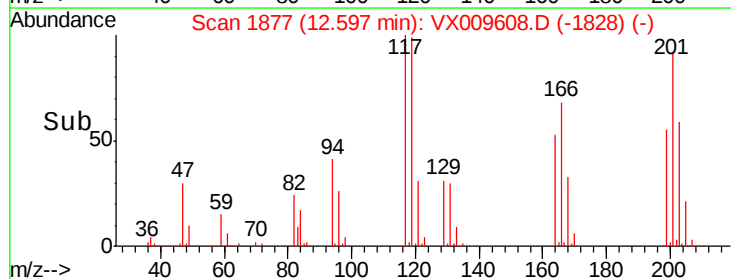
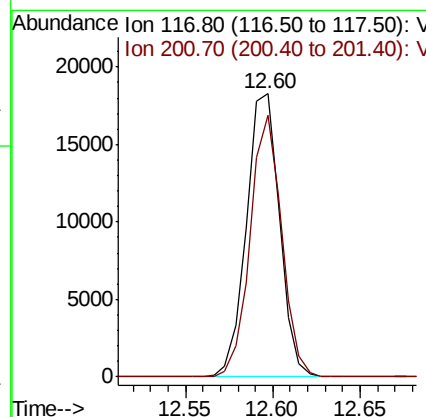
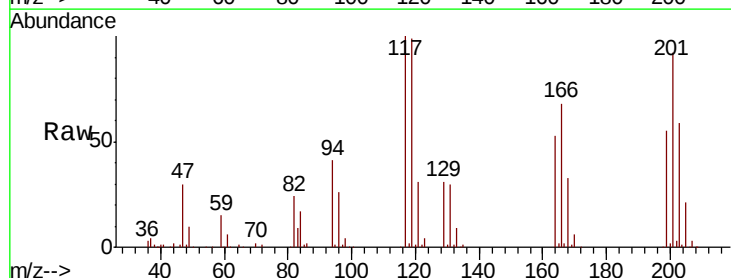
Instrument :
MSVOA_X
ClientSampleId :
VX0516MBSD01

Tot Ion: 91 Resp: 129581
Ion Ratio Lower Upper
91 100
92 52.4 26.5 79.5
134 24.6 12.4 37.2



#90
Hexachloroethane
Concen: 19.025 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009608.D
Acq: 16 May 2019 15:34

Tgt Ion: 117 Resp: 24189
Ion Ratio Lower Upper
117 100
201 87.5 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 19.854 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

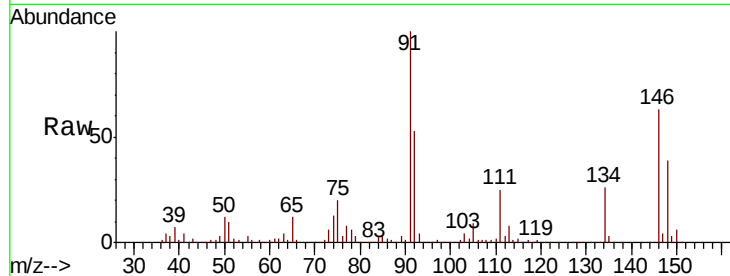
Tot Ion:146 Resp: 76488

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

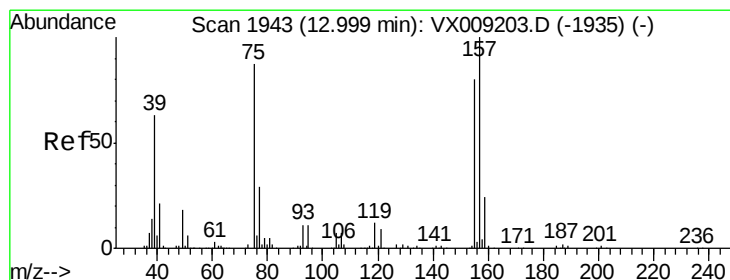
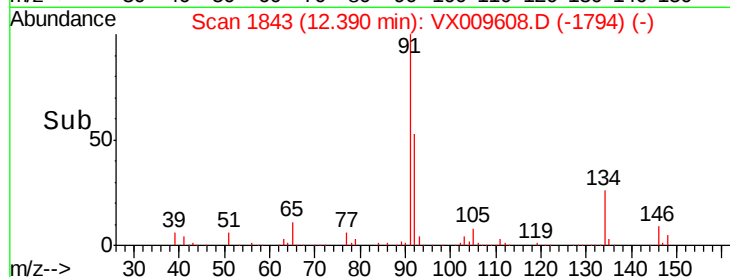
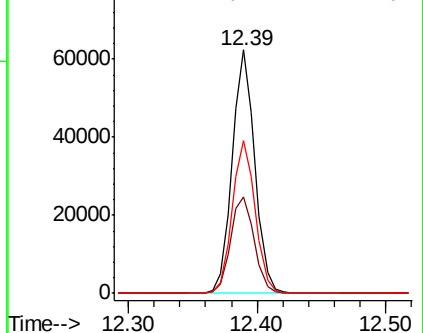
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.690 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

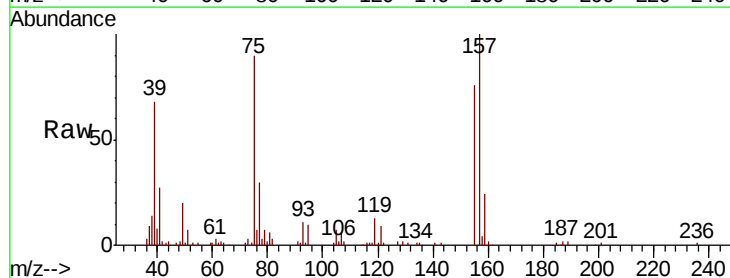
Tgt Ion: 75 Resp: 14791

Ion Ratio Lower Upper

75 100

155 81.9 42.0 126.0

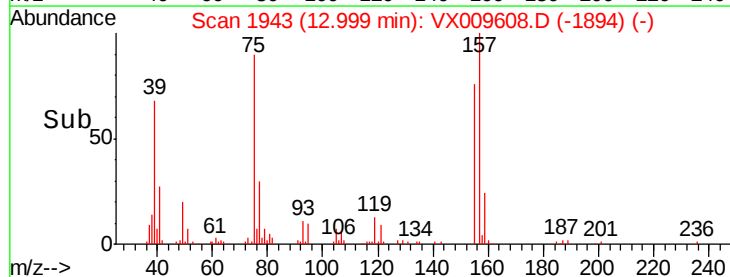
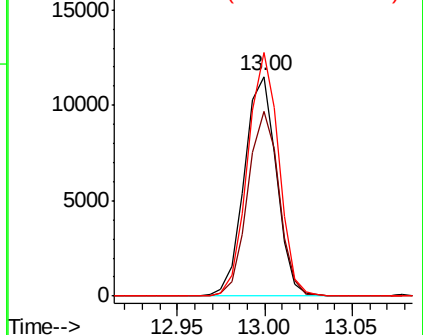
157 107.2 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

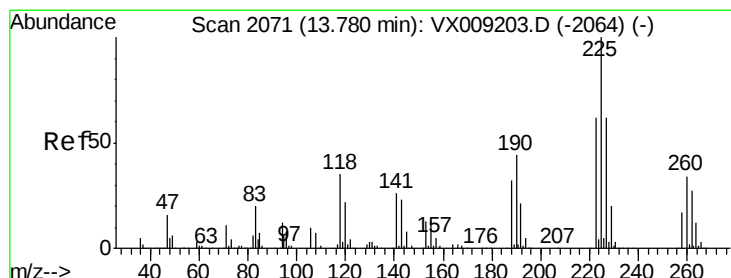
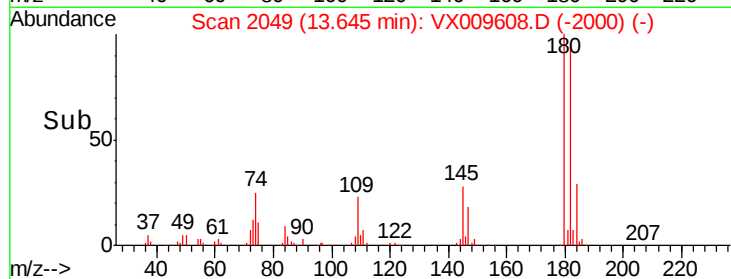
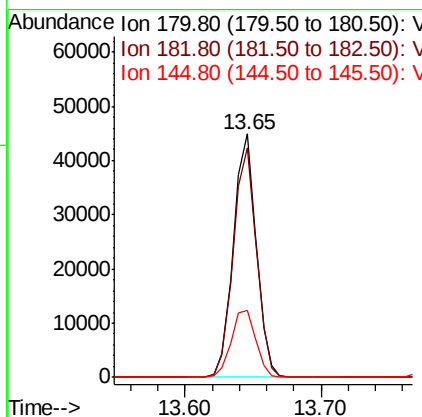
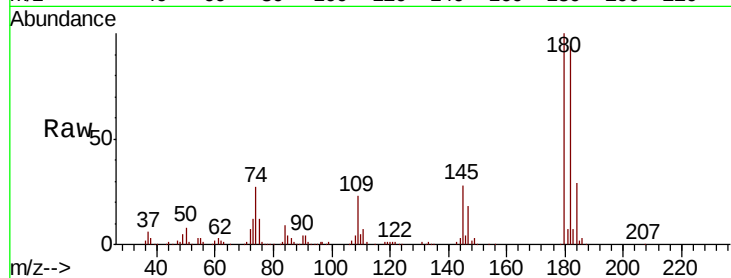




#93
 1,2,4-Trichlorobenzene
 Concen: 20.003 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

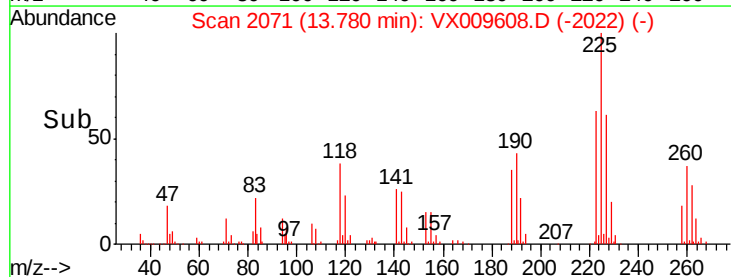
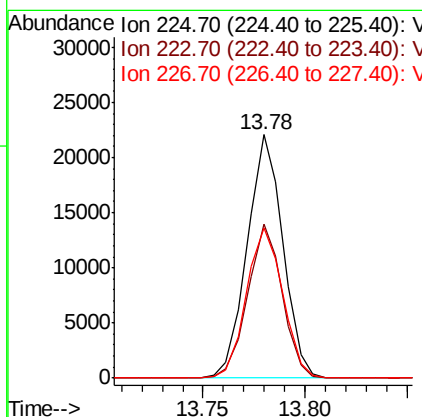
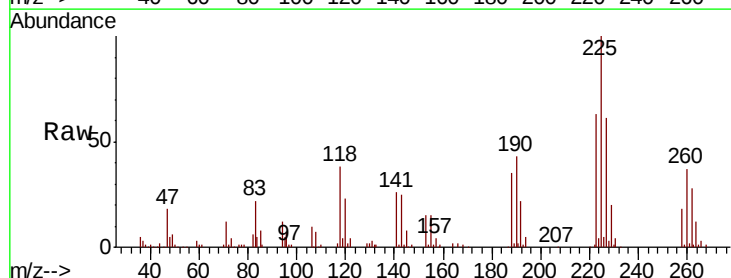
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516MBSD01

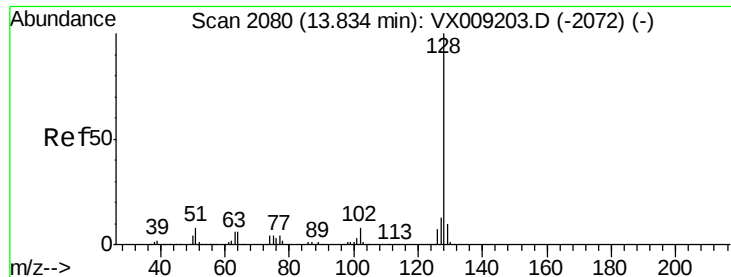
Tot Ion:180 Resp: 52697
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.4 145.2
 145 29.6 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 19.947 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009608.D
 Acq: 16 May 2019 15:34

Tgt Ion:225 Resp: 26835
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.3 93.8
 227 63.1 31.8 95.3





#95

Naphthalene

Concen: 20.422 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX0516MBSD01

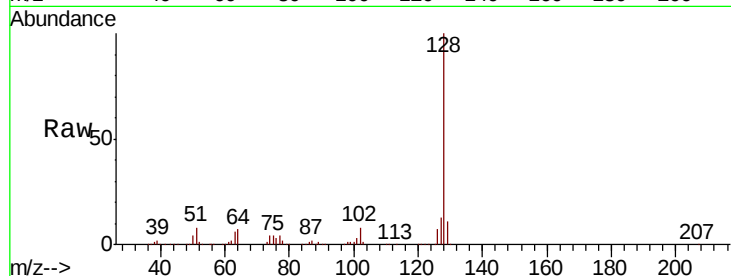
Tot Ion:128 Resp: 175040

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

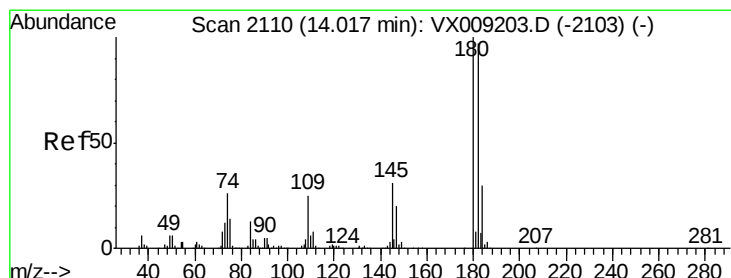
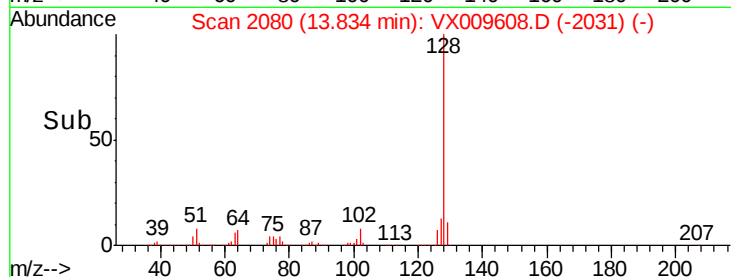
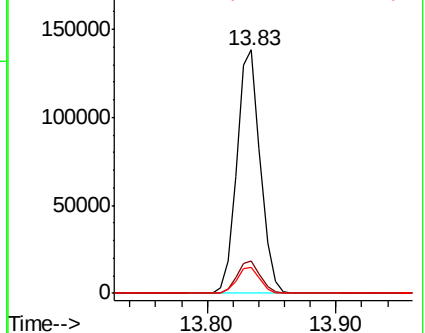
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.064 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009608.D

Acq: 16 May 2019 15:34

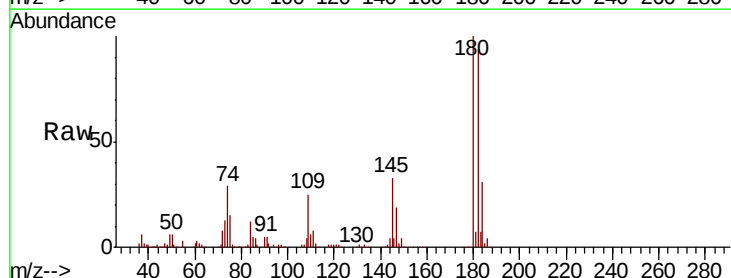
Tgt Ion:180 Resp: 53581

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.4

145 31.9 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

