

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009519.D
 Acq On : 11 May 2019 12:47
 Operator : JC/SP
 Sample : VN0511MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Quant Time: May 12 01:57:58 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	160235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	253305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115829	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	5.50	113	86474	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	8.71	98	345366	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	11.13	95	124105	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29000	19.640	ug/l	98
3) Chloromethane	1.32	50	44077	21.864	ug/l	98
4) Vinyl Chloride	1.40	62	43067	21.908	ug/l	99
5) Bromomethane	1.64	94	26822	22.733	ug/l	98
6) Chloroethane	1.72	64	26763	21.205	ug/l	99
7) Trichlorofluoromethane	1.93	101	53352	22.328	ug/l	99
8) Diethyl Ether	2.19	74	24871	21.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33021	22.006	ug/l	99
10) Methyl Iodide	2.51	142	35789	23.235	ug/l	99
11) Tert butyl alcohol	3.04	59	55886	110.375	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33063	21.991	ug/l	96
13) Acrolein	2.29	56	42558	92.810	ug/l	97
14) Allyl chloride	2.73	41	78247	21.356	ug/l	100
15) Acrylonitrile	3.14	53	136443	110.211	ug/l	99
16) Acetone	2.44	43	130503	111.109	ug/l	97
17) Carbon Disulfide	2.57	76	90140	21.355	ug/l	99
18) Methyl Acetate	2.78	43	58103	20.801	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	129272	22.142	ug/l	99
20) Methylene Chloride	2.85	84	40300	21.191	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	36009	22.084	ug/l	99
22) Diisopropyl ether	3.85	45	158487	22.493	ug/l	97
23) Vinyl Acetate	3.81	43	693964	115.014	ug/l	99
24) 1,1-Dichloroethane	3.70	63	74982	21.571	ug/l	99
25) 2-Butanone	4.67	43	206388	113.076	ug/l	98
26) 2,2-Dichloropropane	4.59	77	54645	21.120	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42751	21.966	ug/l	99
28) Bromochloromethane	5.01	49	31596	20.990	ug/l	97
29) Tetrahydrofuran	5.13	42	133807	113.925	ug/l	99
30) Chloroform	5.21	83	69700	22.171	ug/l	97
31) Cyclohexane	5.58	56	72826	22.519	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	56673	21.655	ug/l	100
36) 1,1-Dichloropropene	5.80	75	52056	22.114	ug/l	99
37) Ethyl Acetate	4.84	43	74786	22.802	ug/l	99
38) Carbon Tetrachloride	5.79	117	46648	21.811	ug/l	96

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 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	65514	22.662	ug/l	100
40) Benzene	6.14	78	165403	22.704	ug/l	97
41) Methacrylonitrile	5.04	41	42408	21.721	ug/l	97
42) 1,2-Dichloroethane	6.19	62	60123	23.006	ug/l	99
43) Isopropyl Acetate	6.45	43	118831	22.651	ug/l	100
44) Trichloroethene	7.21	130	39565	22.465	ug/l	94
45) 1,2-Dichloropropane	7.51	63	46532	22.557	ug/l	99
46) Dibromomethane	7.66	93	26587	22.194	ug/l	99
47) Bromodichloromethane	7.90	83	51990	21.757	ug/l	100
48) Methyl methacrylate	7.77	41	60158	23.113	ug/l	99
49) 1,4-Dioxane	7.74	88	23429	443.864	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	393438	114.737	ug/l	99
52) Toluene	8.78	92	100826	22.768	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	58113	21.541	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66335	22.215	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	40757	22.559	ug/l	95
56) Ethyl methacrylate	9.18	69	72814	22.578	ug/l	99
57) 1,3-Dichloropropane	9.37	76	72078	22.671	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	179506	104.920	ug/l	100
59) 2-Hexanone	9.49	43	307075	114.021	ug/l	99
60) Dibromochloromethane	9.58	129	38376	21.748	ug/l	100
61) 1,2-Dibromoethane	9.67	107	41134	22.555	ug/l	99
64) Tetrachloroethene	9.34	164	36117	22.927	ug/l	98
65) Chlorobenzene	10.13	112	104210	22.683	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	37216	22.344	ug/l	99
67) Ethyl Benzene	10.25	91	189743	22.442	ug/l	99
68) m/p-Xylenes	10.36	106	139959	45.299	ug/l	98
69) o-Xylene	10.69	106	68754	22.554	ug/l	100
70) Styrene	10.71	104	118099	22.289	ug/l	99
71) Bromoform	10.85	173	28316	20.920	ug/l	98
73) Isopropylbenzene	11.02	105	182672	22.363	ug/l	99
74) N-amyl acetate	10.90	43	105794	22.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67147	22.050	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	75857	29.112	ug/l	82
77) Bromobenzene	11.26	156	44995	22.192	ug/l	98
78) n-propylbenzene	11.36	91	208018	22.298	ug/l	99
79) 2-Chlorotoluene	11.42	91	126301	21.944	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155437	22.599	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21047	20.667	ug/l	94
82) 4-Chlorotoluene	11.51	91	142848	21.970	ug/l	100
83) tert-Butylbenzene	11.77	119	147118	21.988	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155651	22.546	ug/l	99
85) sec-Butylbenzene	11.94	105	175769	22.158	ug/l	99
86) p-Isopropyltoluene	12.06	119	160431	22.497	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	80094	22.160	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	79369	21.781	ug/l	100
89) n-Butylbenzene	12.38	91	139879	21.702	ug/l	100
90) Hexachloroethane	12.59	117	25962	21.369	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	79686	21.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15235	22.302	ug/l	97

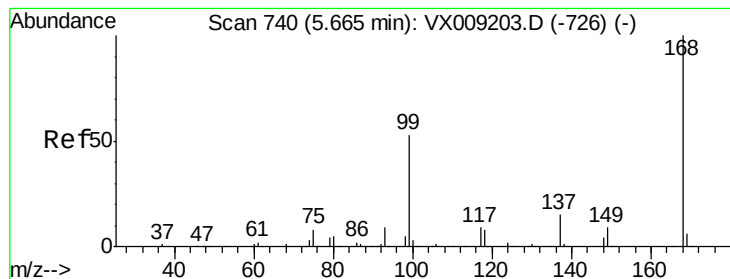
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	56689	22.518	ug/l	98
94) Hexachlorobutadiene	13.78	225	28685	22.313	ug/l	99
95) Naphthalene	13.83	128	185567	22.657	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58643	22.980	ug/l	98

(#) = 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: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

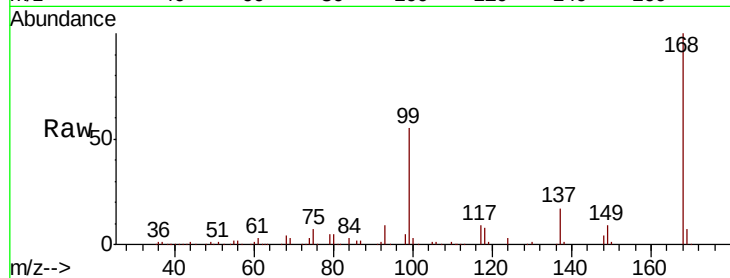
VX0511MBS01

Tot Ion:168 Resp: 160235

Ion Ratio Lower Upper

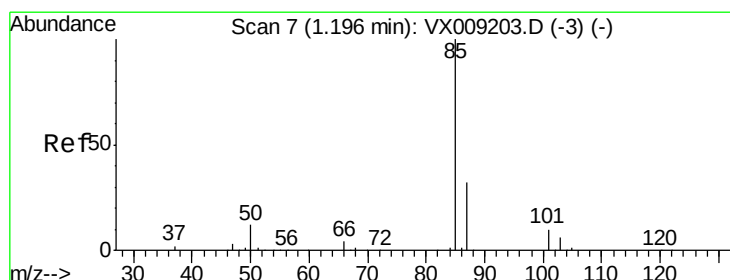
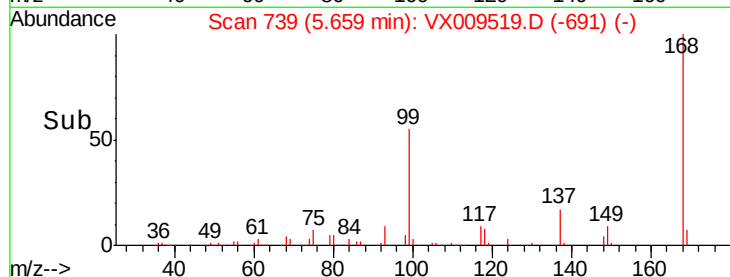
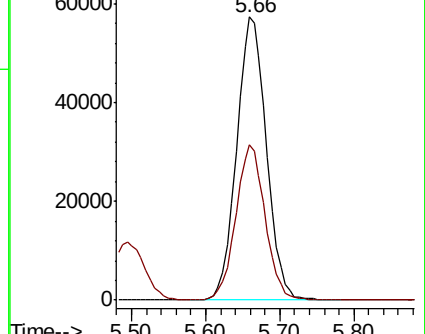
168 100

99 54.7 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: 19.640 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009519.D

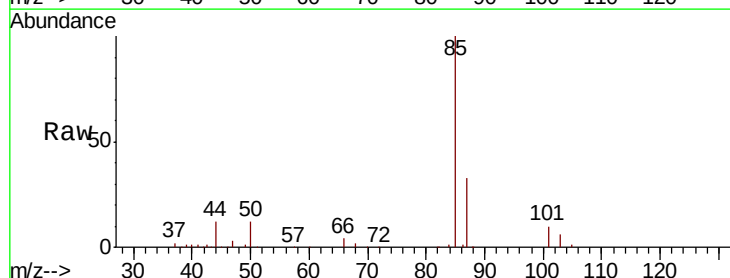
Acq: 11 May 2019 12:47

Tgt Ion: 85 Resp: 29000

Ion Ratio Lower Upper

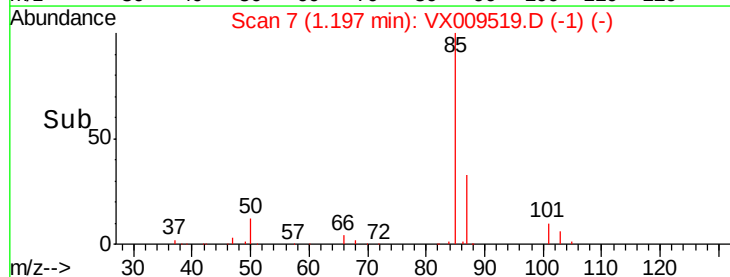
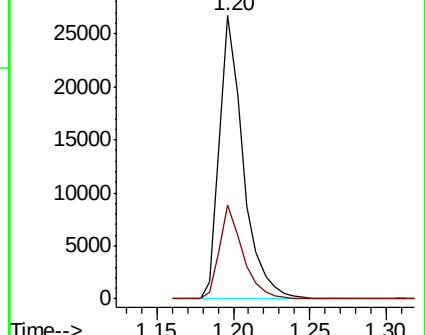
85 100

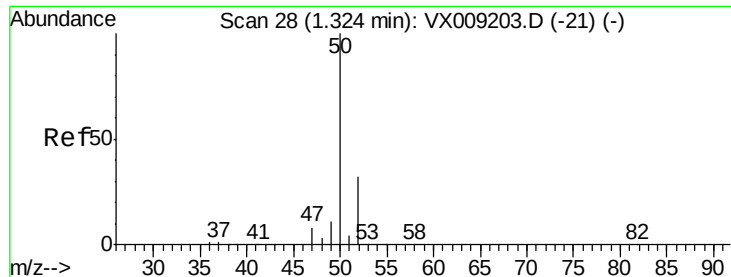
87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.864 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

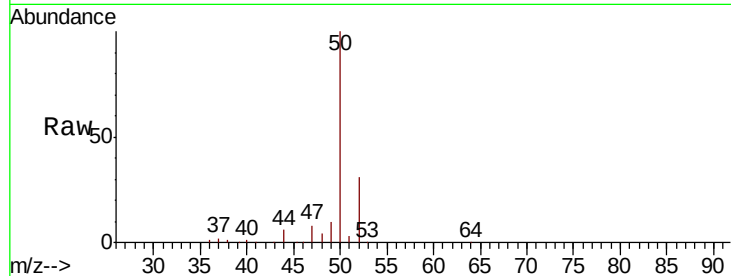
VX0511MBS01

Tot Ion: 50 Resp: 44077

Ion Ratio Lower Upper

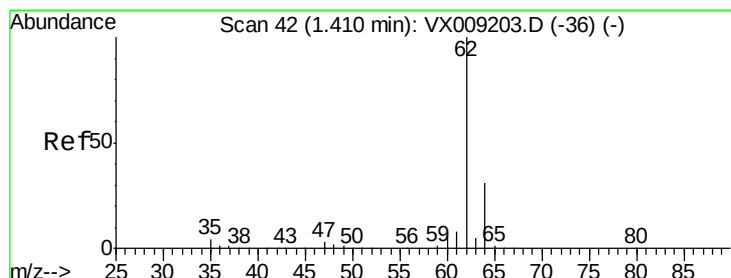
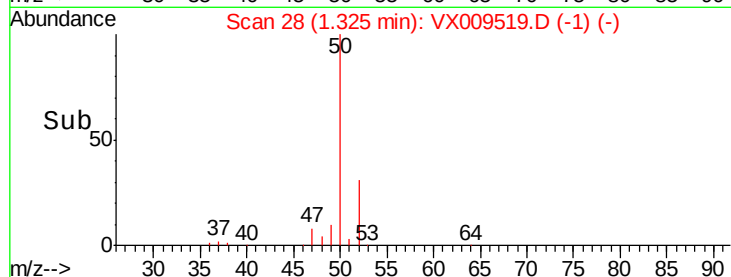
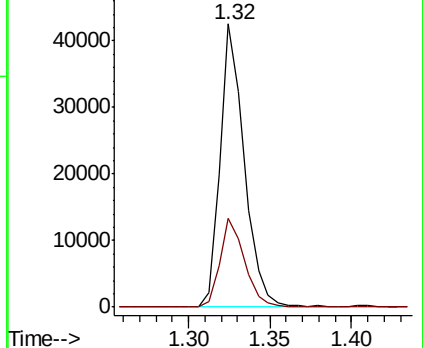
50 100

52 31.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.908 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009519.D

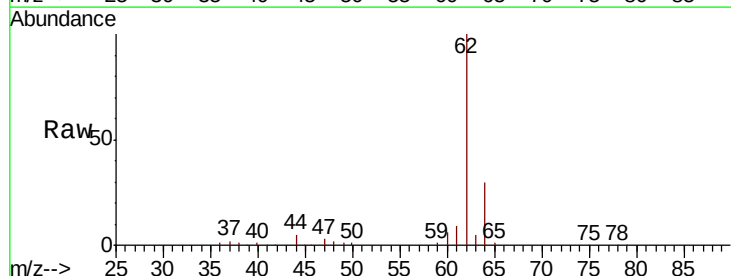
Acq: 11 May 2019 12:47

Tgt Ion: 62 Resp: 43067

Ion Ratio Lower Upper

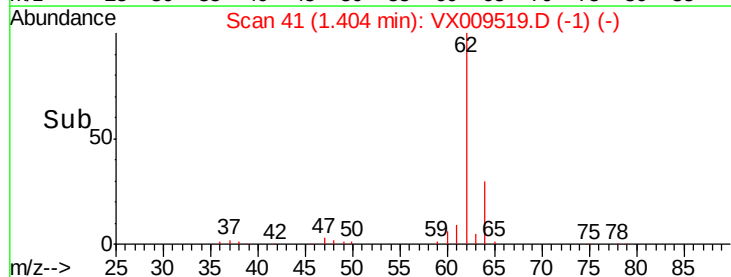
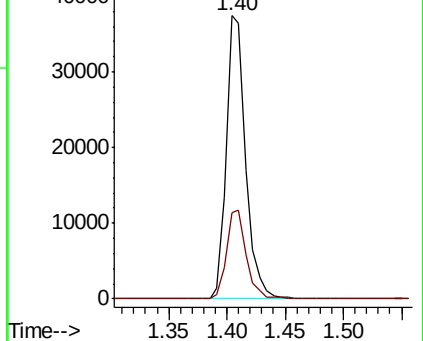
62 100

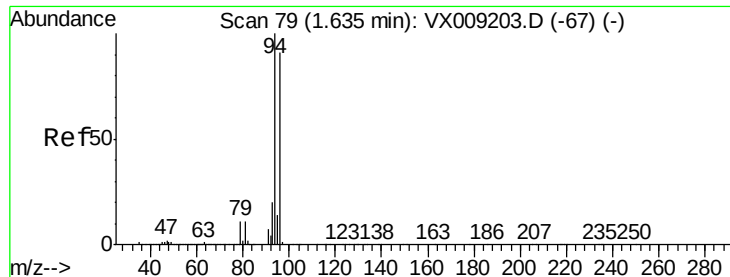
64 30.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.733 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

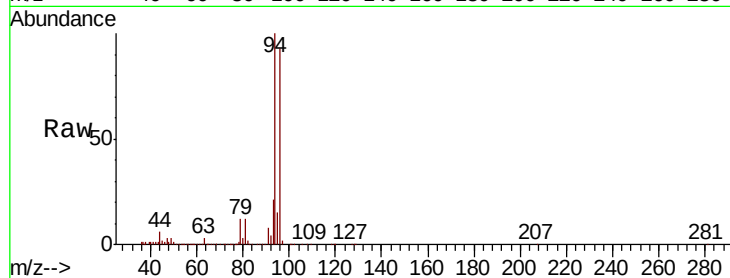
VX0511MBS01

Tot Ion: 94 Resp: 26822

Ion Ratio Lower Upper

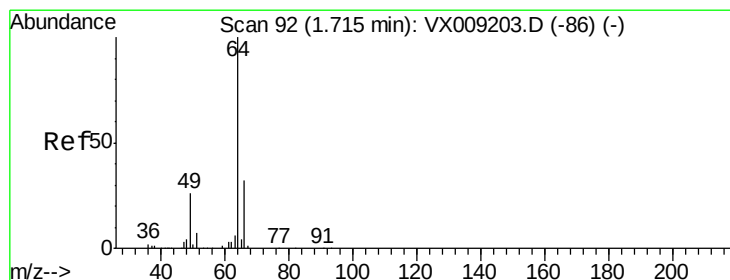
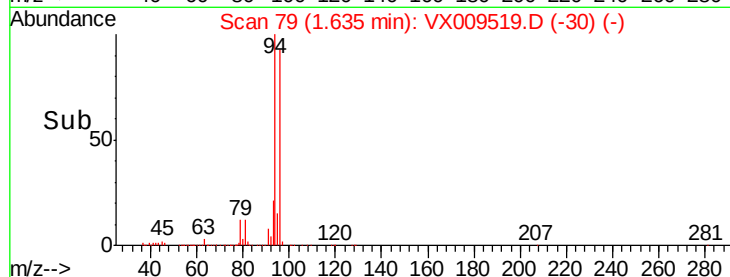
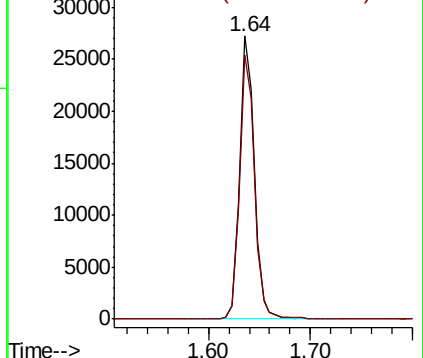
94 100

96 93.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.205 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009519.D

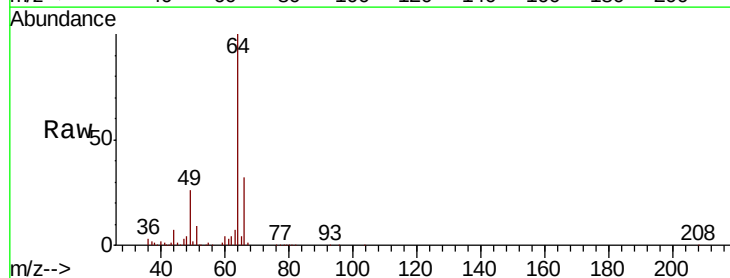
Acq: 11 May 2019 12:47

Tgt Ion: 64 Resp: 26763

Ion Ratio Lower Upper

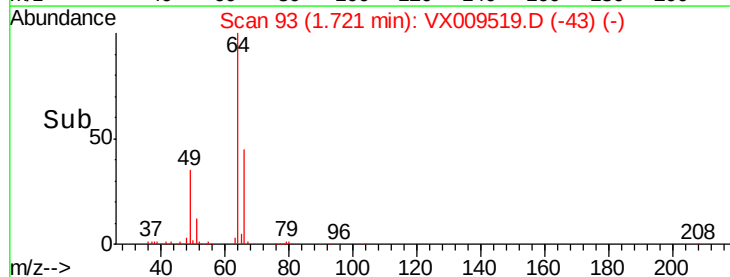
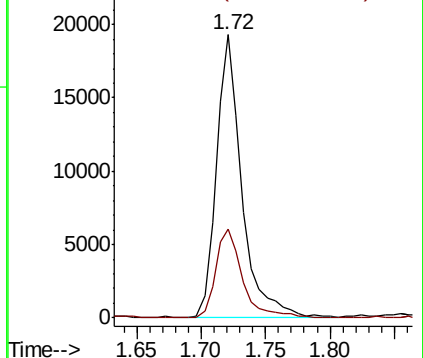
64 100

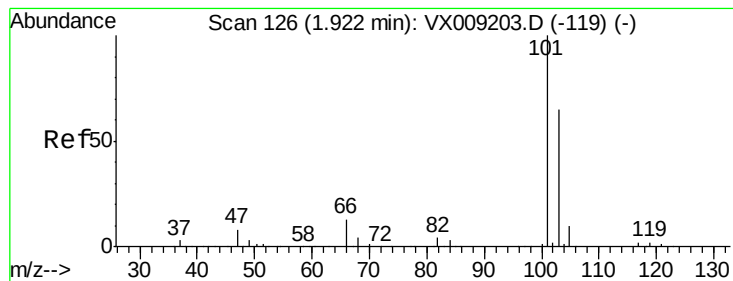
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



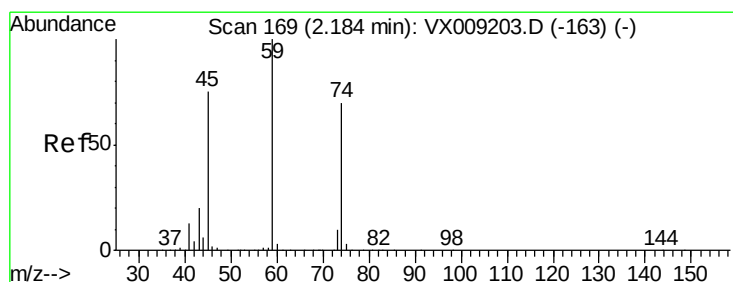
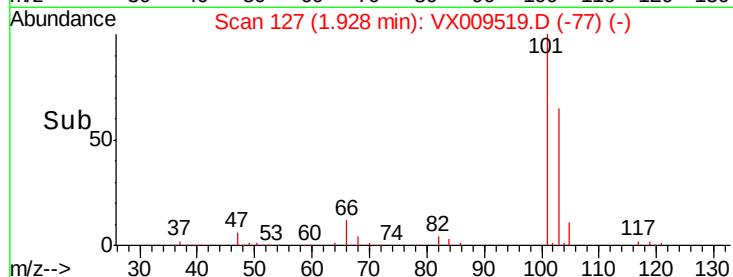
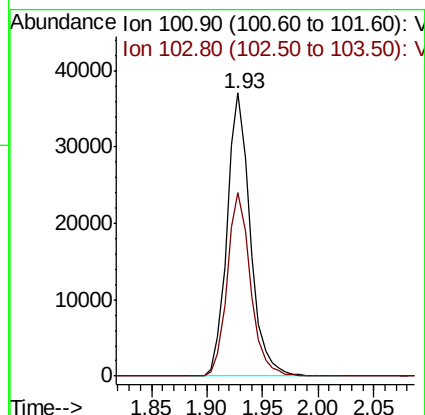
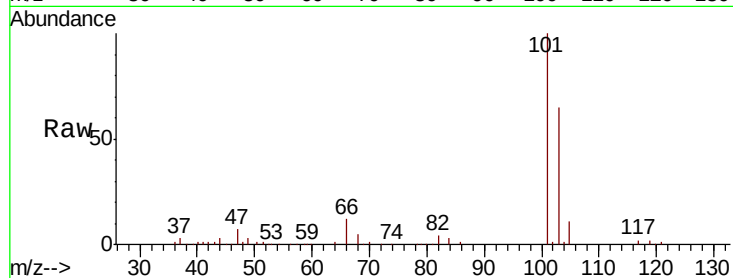


#7

Trichlorofluoromethane
 Concen: 22.328 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

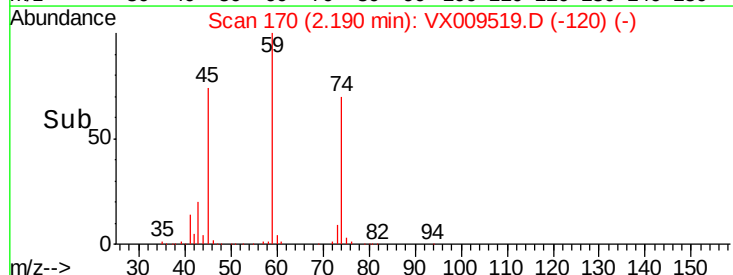
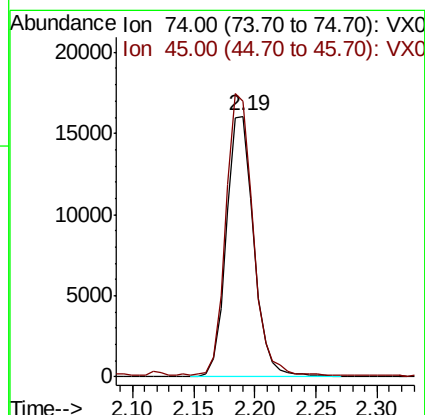
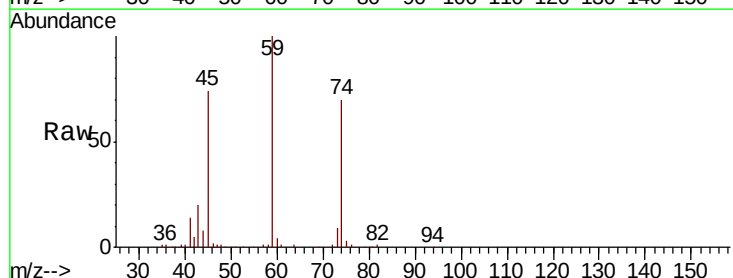
Tot Ion:101 Resp: 53352
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.4 78.6

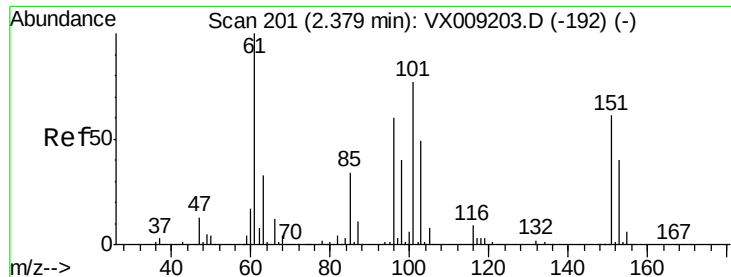


#8

Diethyl Ether
 Concen: 21.973 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 74 Resp: 24871
 Ion Ratio Lower Upper
 74 100
 45 106.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.006 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

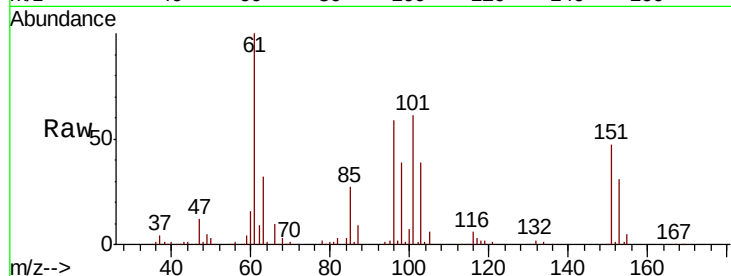
Tot Ion:101 Resp: 33021

Ion Ratio Lower Upper

101 100

85 43.9 35.7 53.5

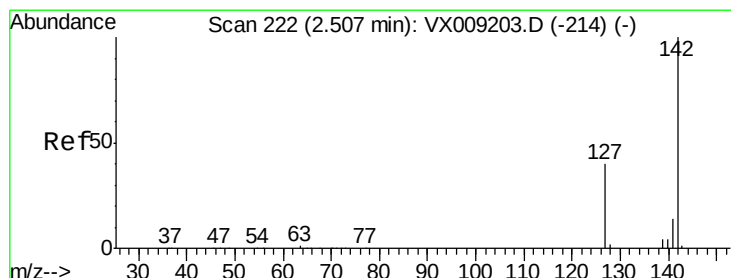
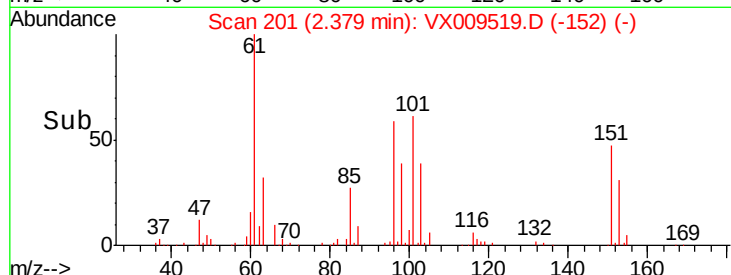
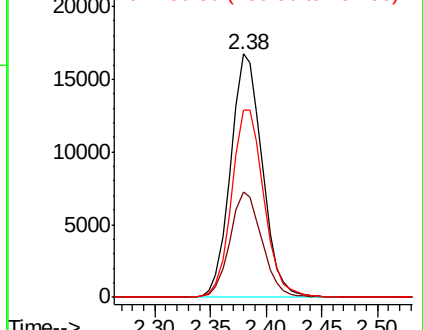
151 78.4 62.2 93.2



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: 23.235 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

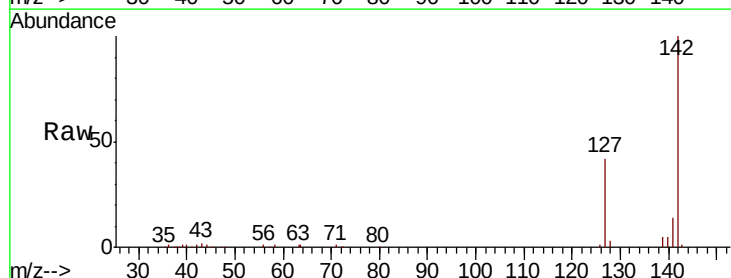
Tgt Ion:142 Resp: 35789

Ion Ratio Lower Upper

142 100

127 41.0 32.7 49.1

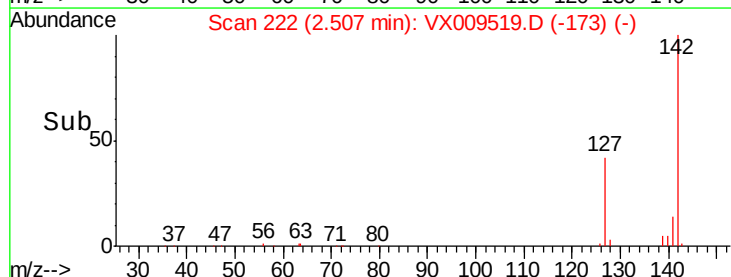
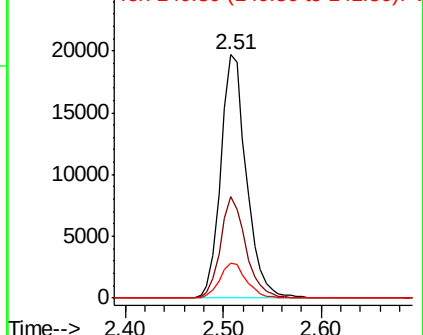
141 15.0 11.5 17.3

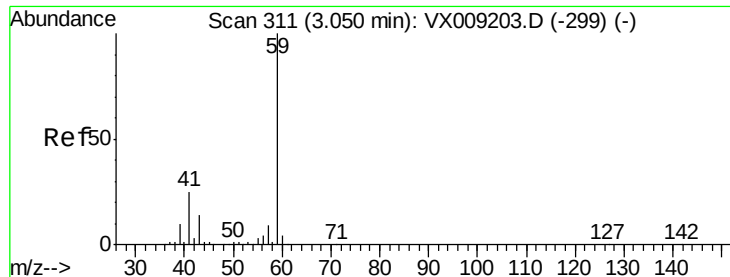


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

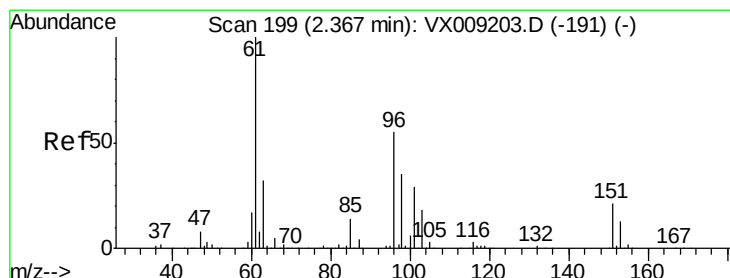
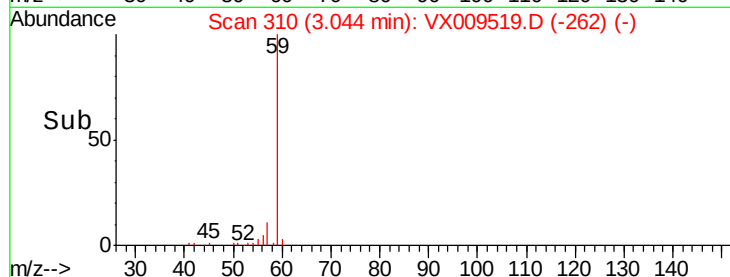
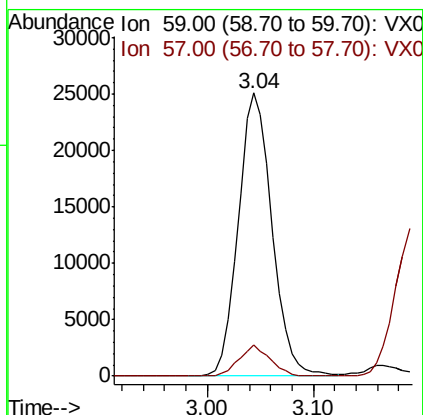
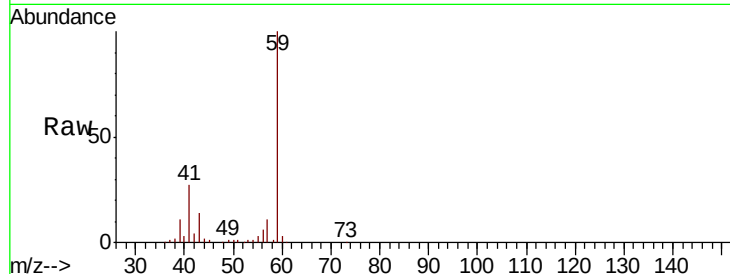




#11
Tert butyl alcohol
Concen: 110.375 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

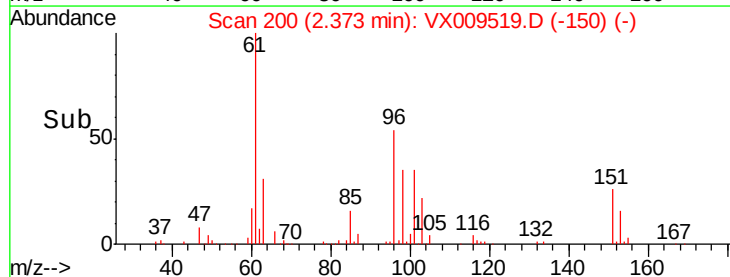
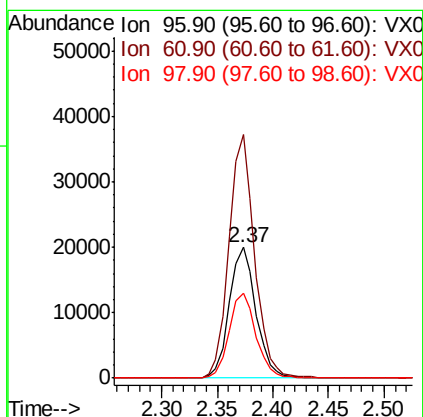
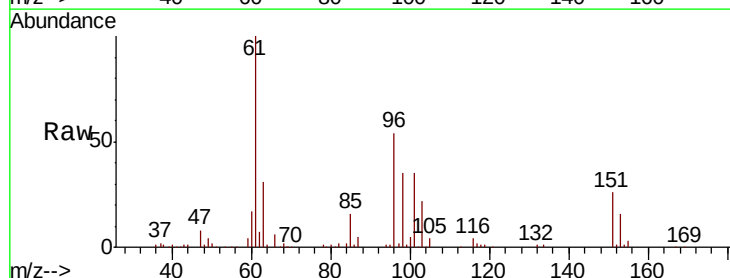
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

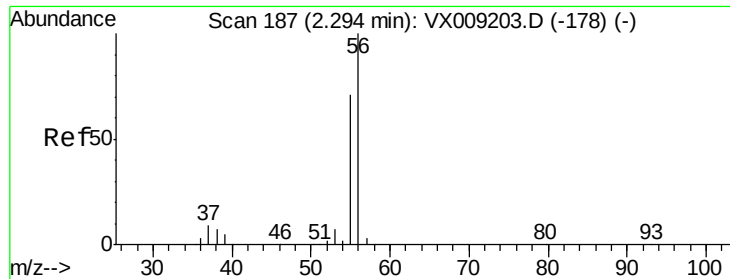
Tot Ion: 59 Resp: 55886
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.991 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 96 Resp: 33063
Ion Ratio Lower Upper
96 100
61 186.4 144.3 216.5
98 65.3 50.3 75.5





#13

Acrolein

Concen: 92.810 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

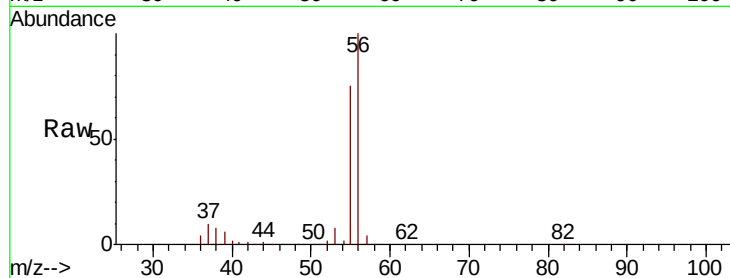
VX0511MBS01

Tot Ion: 56 Resp: 42558

Ion Ratio Lower Upper

56 100

55 73.6 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

25000

20000

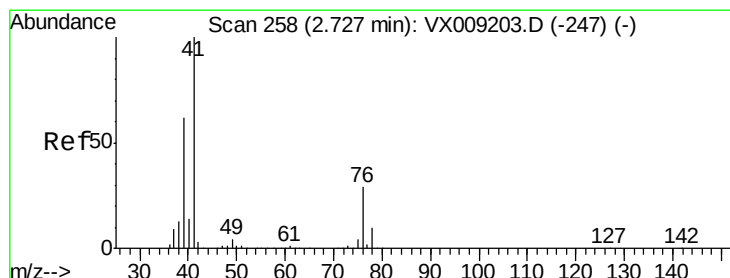
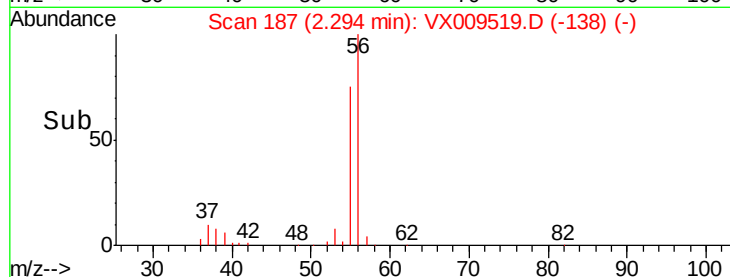
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 21.356 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

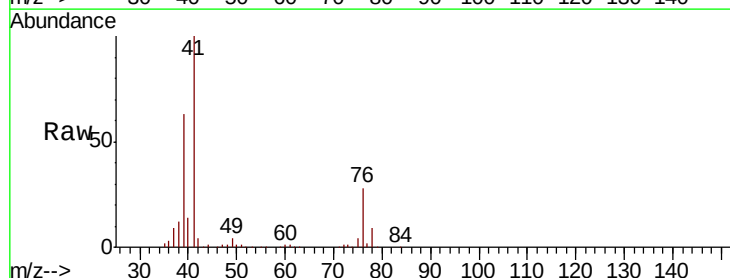
Tgt Ion: 41 Resp: 78247

Ion Ratio Lower Upper

41 100

39 58.8 46.7 70.1

76 27.3 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

2.73

50000

40000

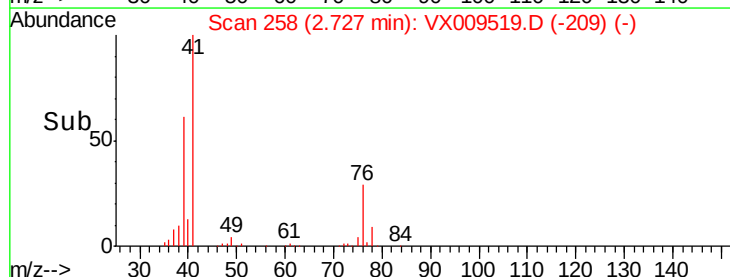
30000

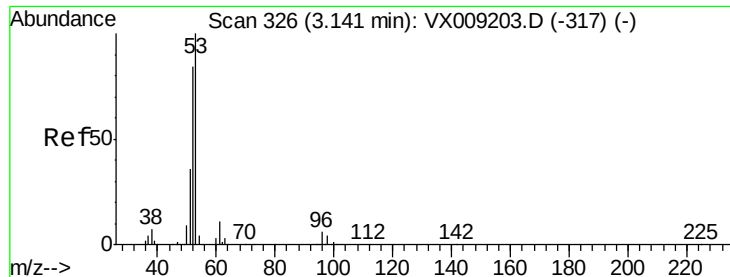
20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 110.211 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

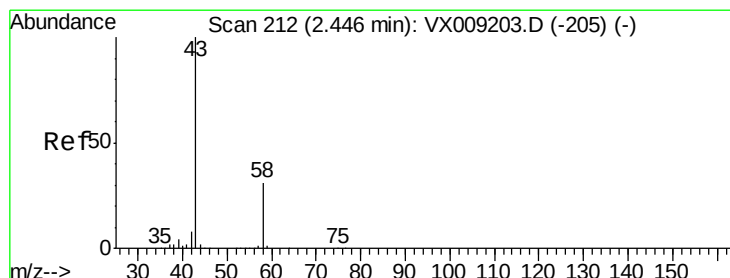
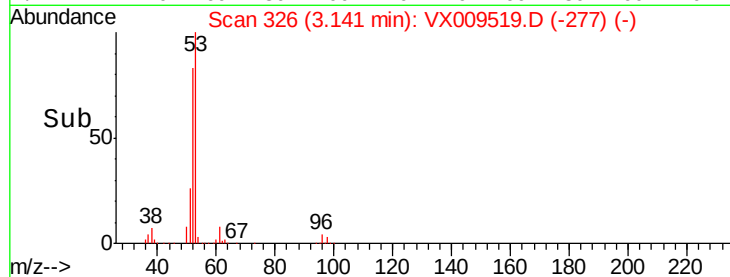
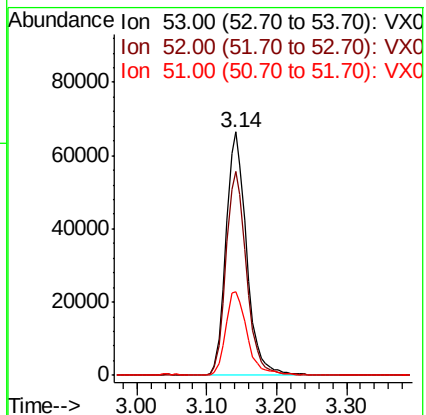
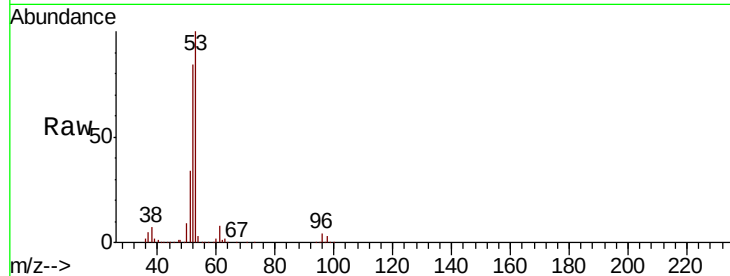
Tot Ion: 53 Resp: 136443

Ion Ratio Lower Upper

53 100

52 83.0 66.9 100.3

51 35.8 28.2 42.2



#16

Acetone

Concen: 111.109 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009519.D

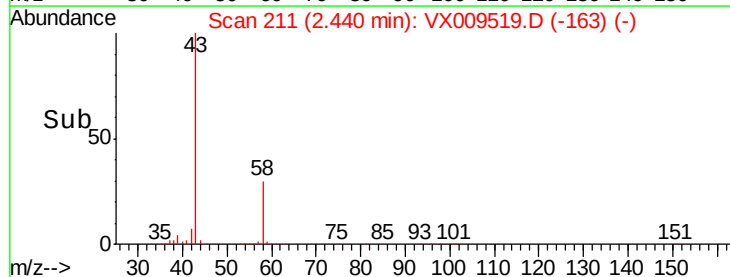
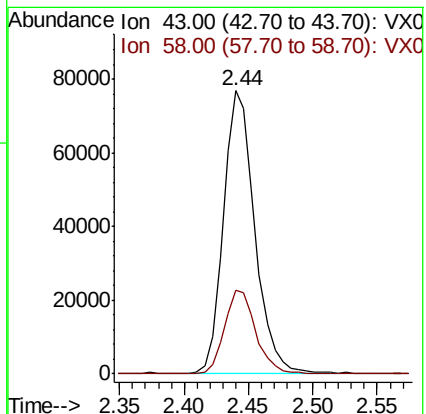
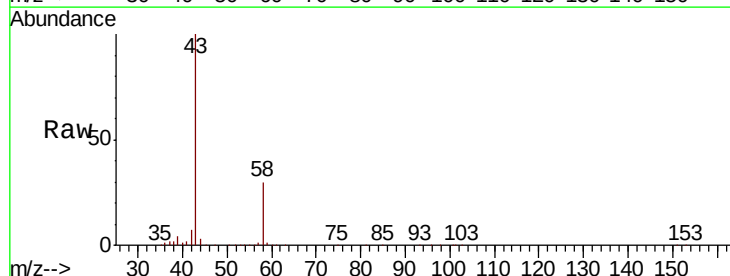
Acq: 11 May 2019 12:47

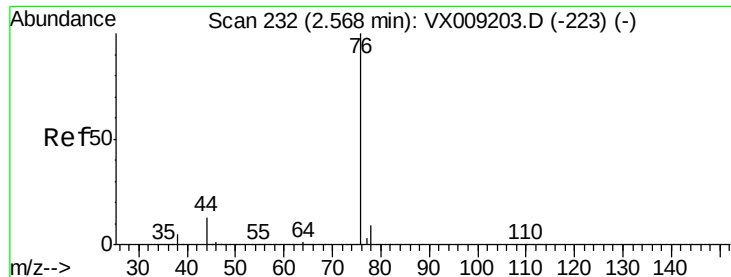
Tgt Ion: 43 Resp: 130503

Ion Ratio Lower Upper

43 100

58 29.7 24.9 37.3





#17

Carbon Disulfide

Concen: 21.355 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

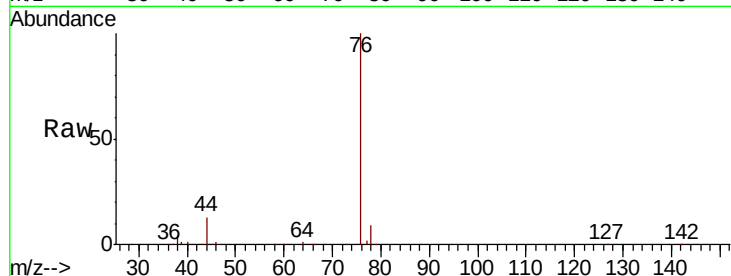
VX0511MBS01

Tot Ion: 76 Resp: 90140

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

30000

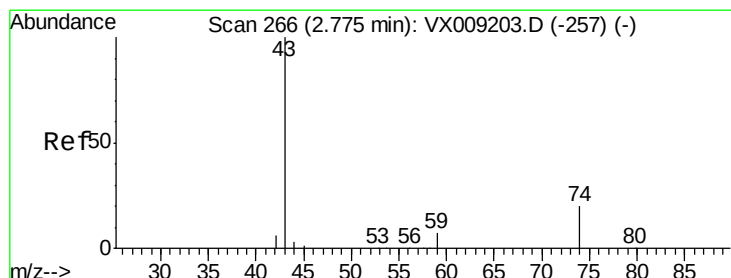
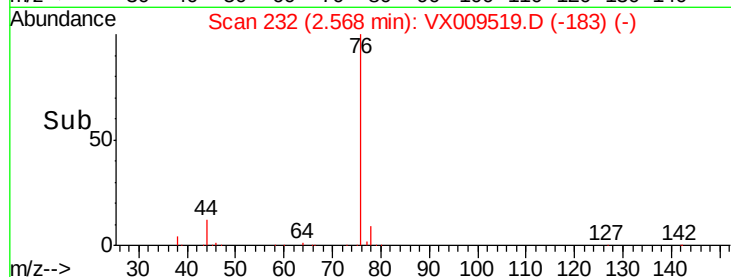
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 20.801 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009519.D

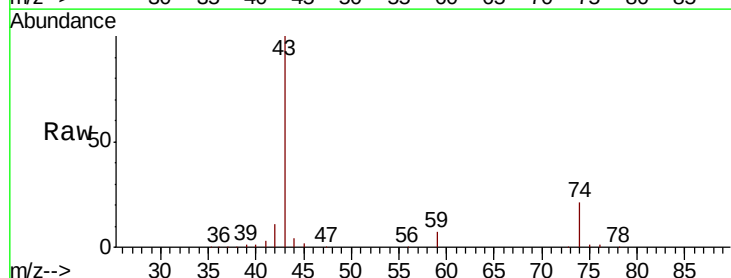
Acq: 11 May 2019 12:47

Tgt Ion: 43 Resp: 58103

Ion Ratio Lower Upper

43 100

74 21.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

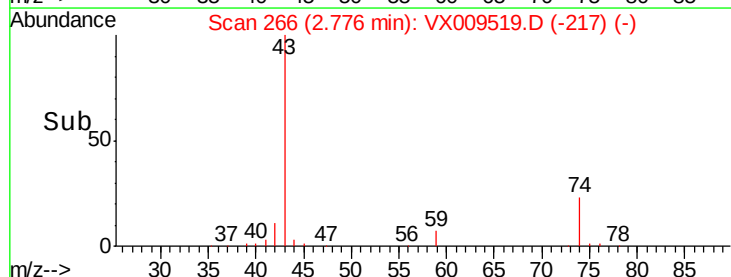
20000

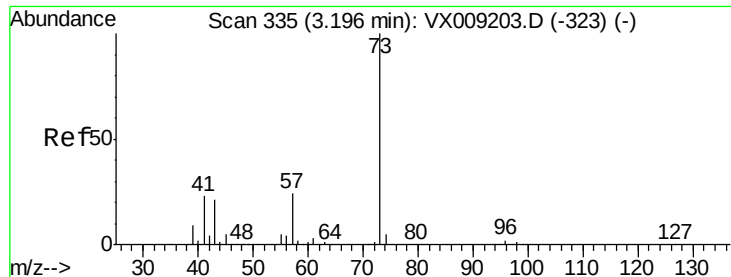
10000

0

Time-->

2.65 2.70 2.75 2.80 2.85

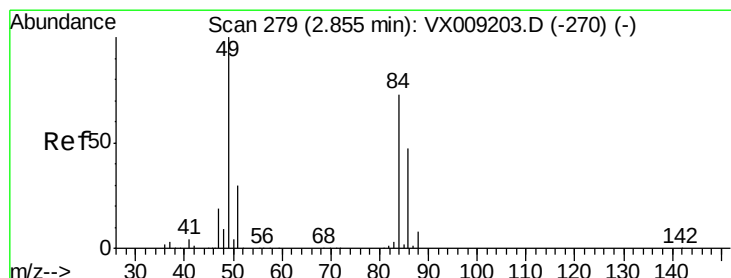
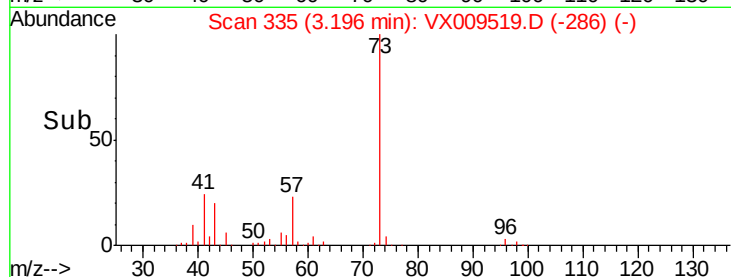
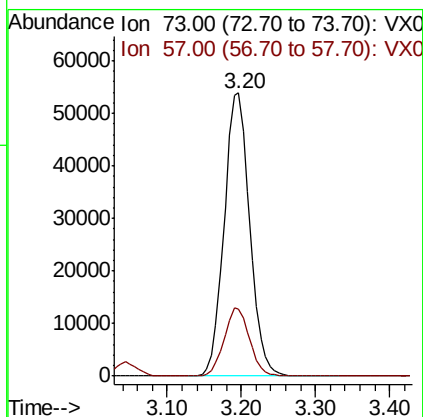
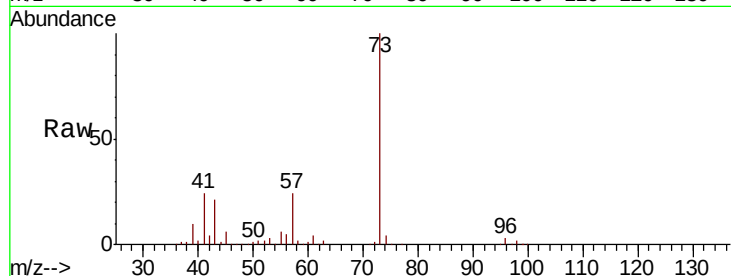




#19
Methvl tert-butyl Ether
Concen: 22.142 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

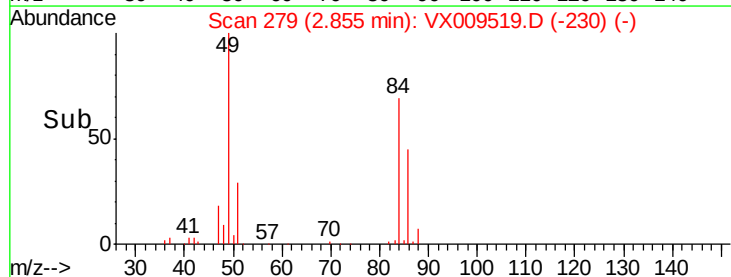
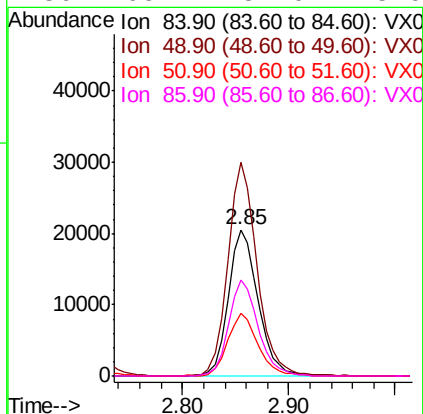
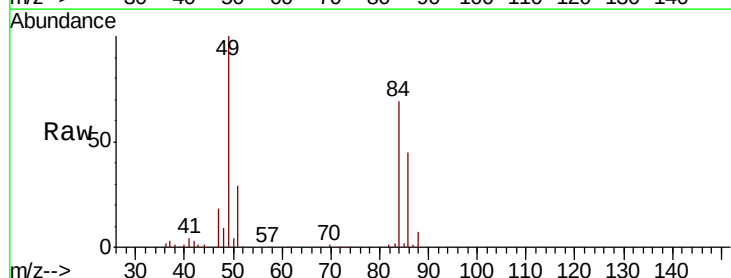
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

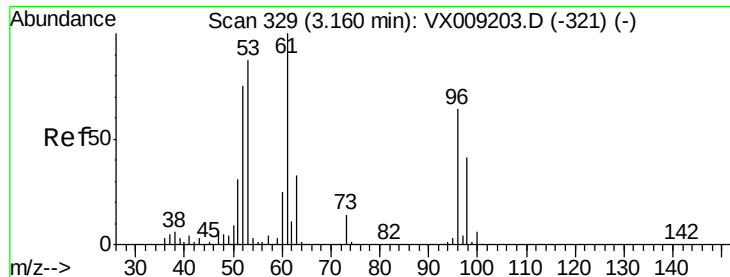
Tot Ion: 73 Resp: 129272
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9



#20
Methylene Chloride
Concen: 21.191 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 84 Resp: 40300
Ion Ratio Lower Upper
84 100
49 145.8 109.9 164.9
51 42.4 32.7 49.1
86 65.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 22.084 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

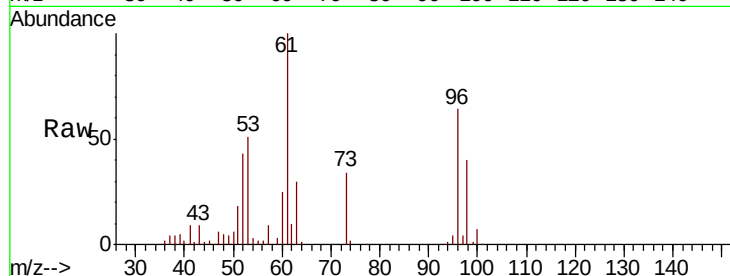
Tot Ion: 96 Resp: 36009

Ion Ratio Lower Upper

96 100

61 156.7 124.5 186.7

98 62.4 50.4 75.6

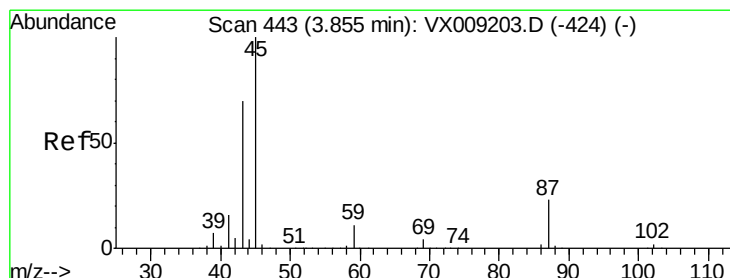
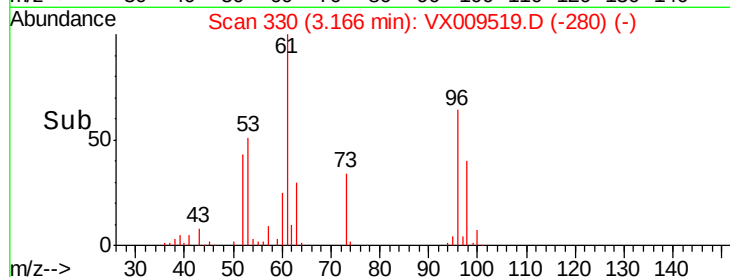
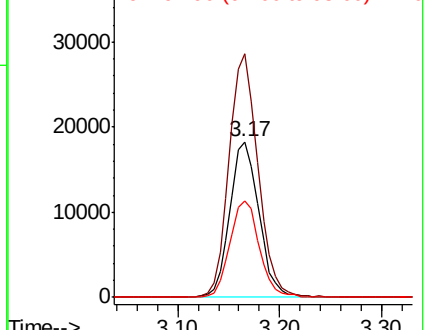


Abundance

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: 22.493 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion: 45 Resp: 158487

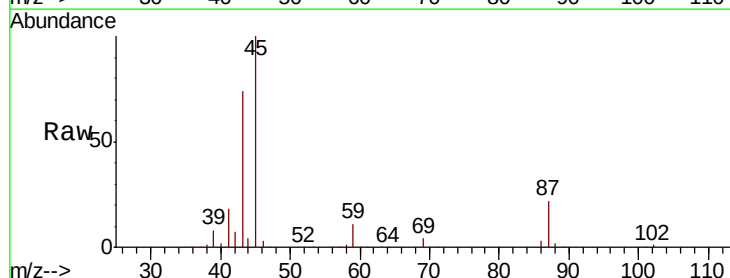
Ion Ratio Lower Upper

45 100

43 74.1 56.1 84.1

87 22.2 18.1 27.1

59 10.6 8.5 12.7



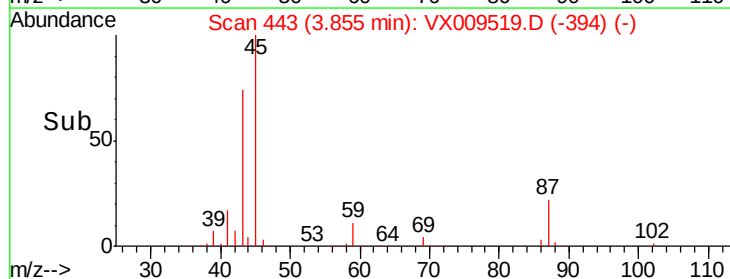
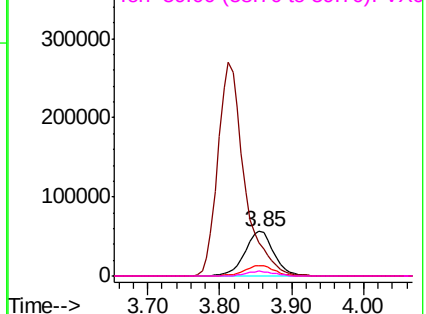
Abundance

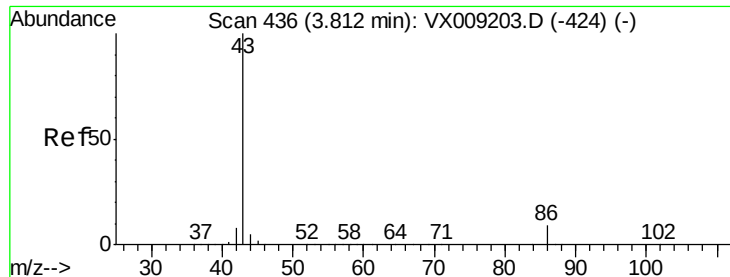
Ion 45.00 (44.70 to 45.70): VX0

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: 115.014 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

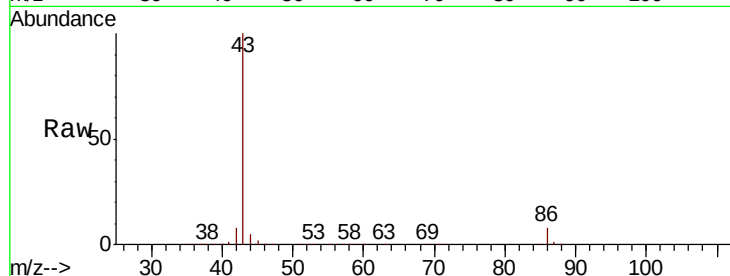
VX0511MBS01

Tot Ion: 43 Resp: 693964

Ion Ratio Lower Upper

43 100

86 8.4 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

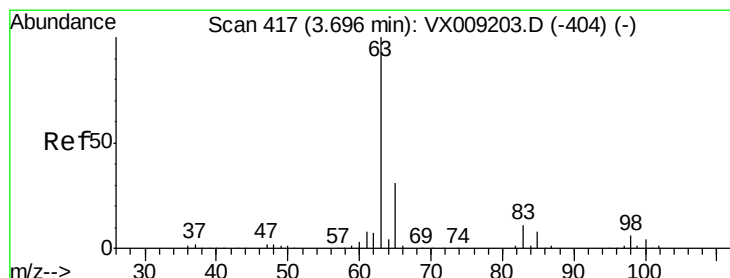
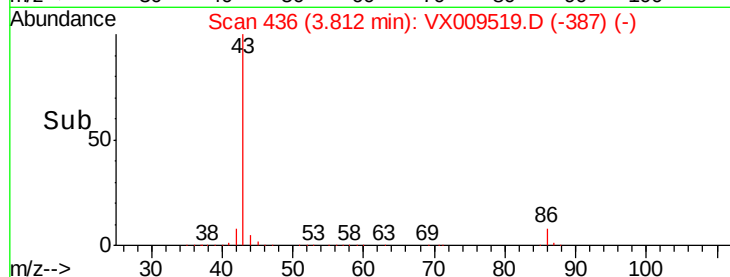
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.571 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

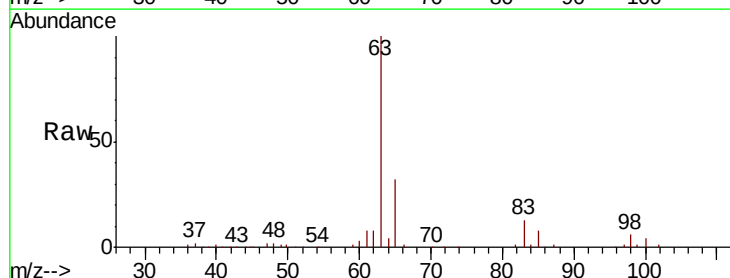
Tgt Ion: 63 Resp: 74982

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.8 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

40000

30000

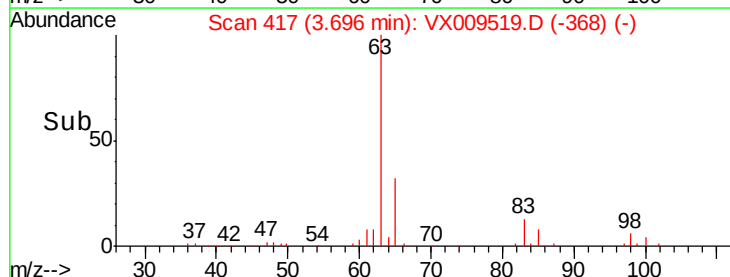
20000

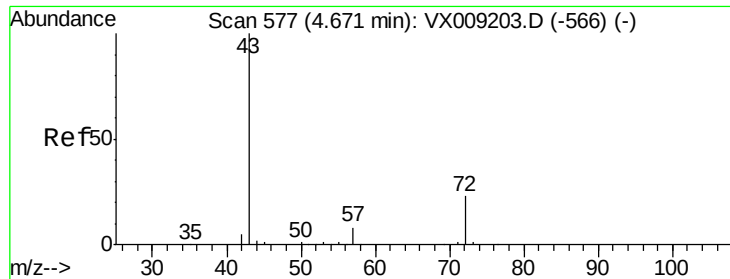
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 113.076 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

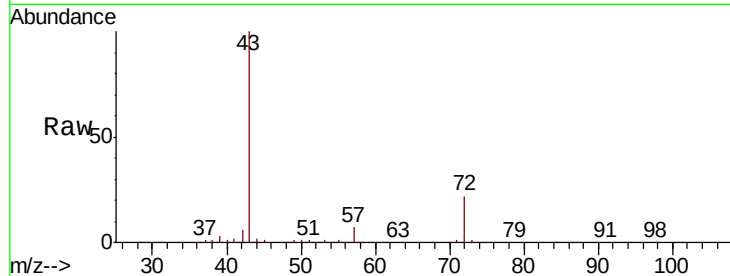
VX0511MBS01

Tot Ion: 43 Resp: 206388

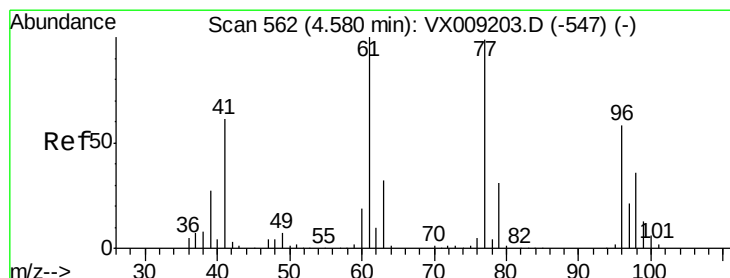
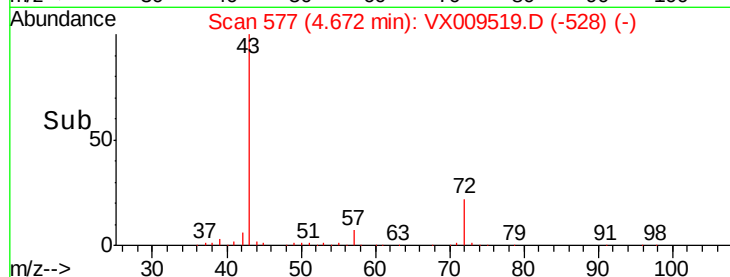
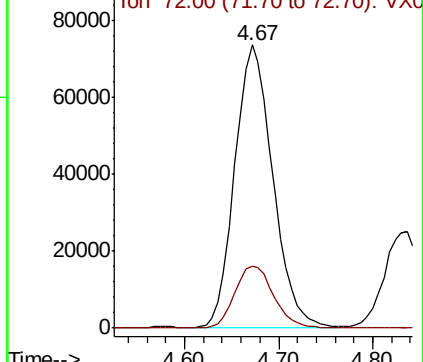
Ion Ratio Lower Upper

43 100

72 21.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 21.120 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009519.D

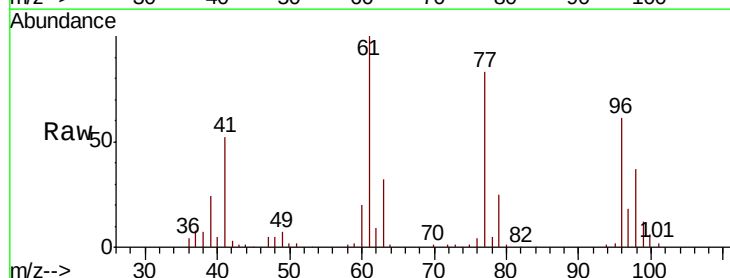
Acq: 11 May 2019 12:47

Tgt Ion: 77 Resp: 54645

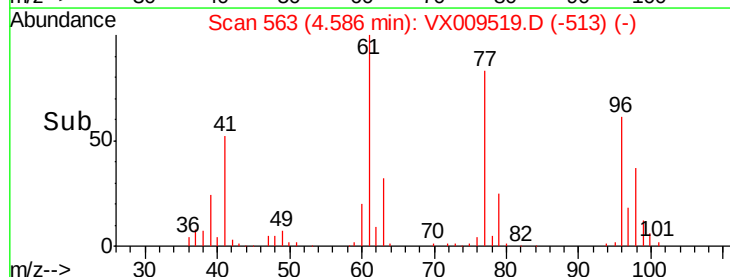
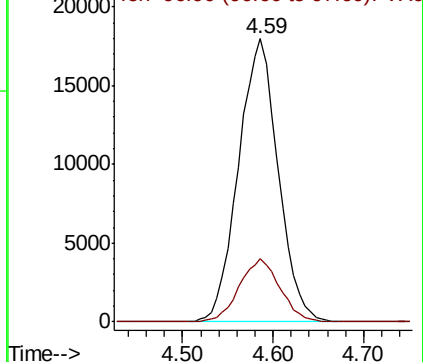
Ion Ratio Lower Upper

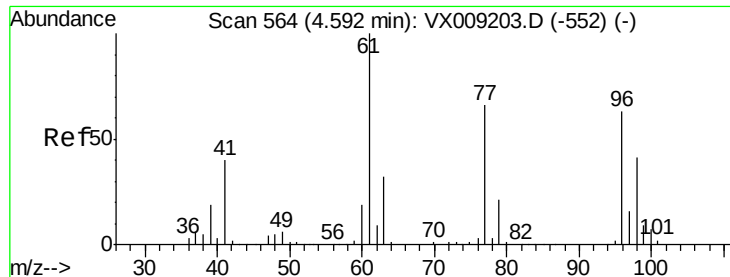
77 100

97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0



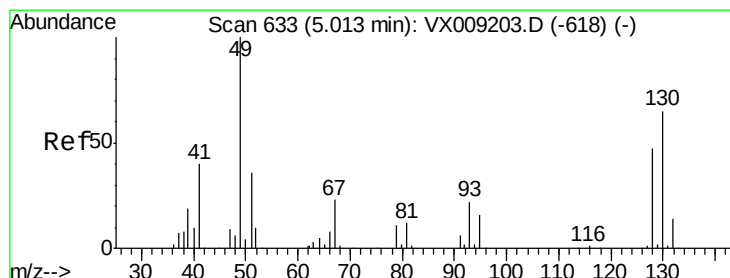
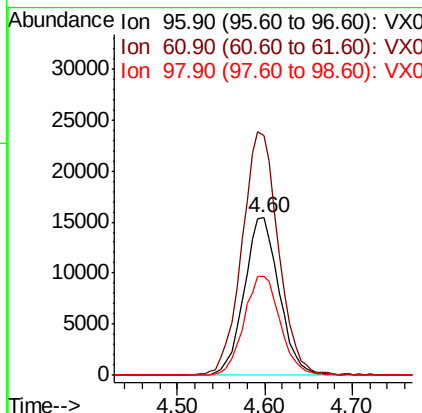
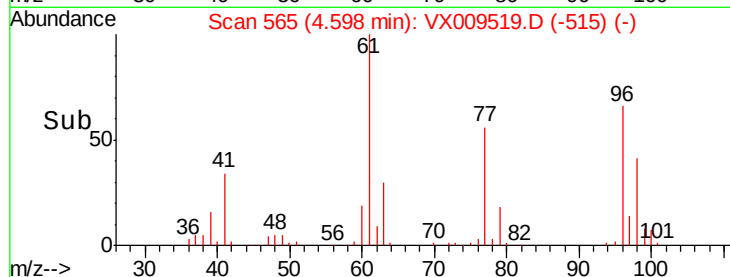
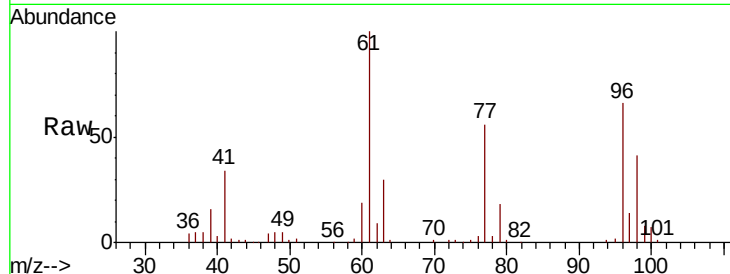


#27

cis-1,2-Dichloroethene
 Concen: 21.966 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

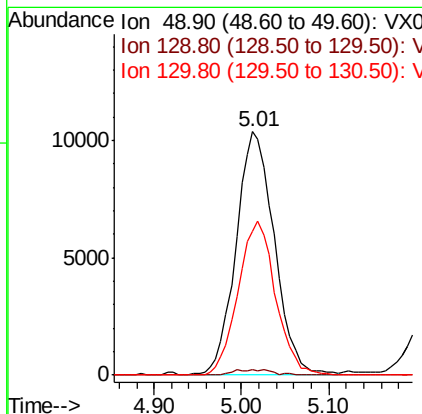
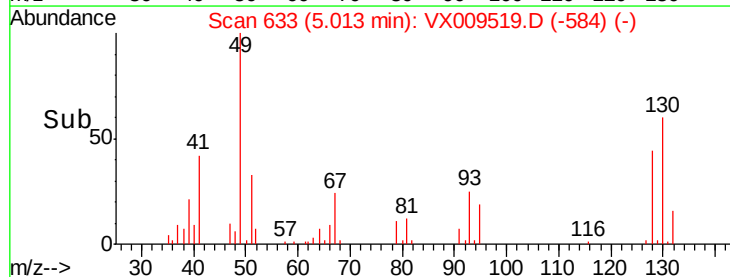
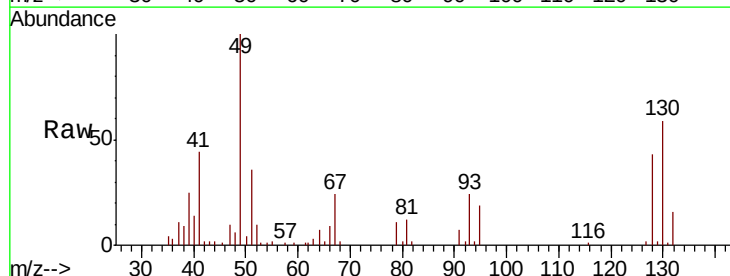
Tot Ion: 96 Resp: 42751
 Ion Ratio Lower Upper
 96 100
 61 160.7 0.0 324.0
 98 65.1 0.0 130.4

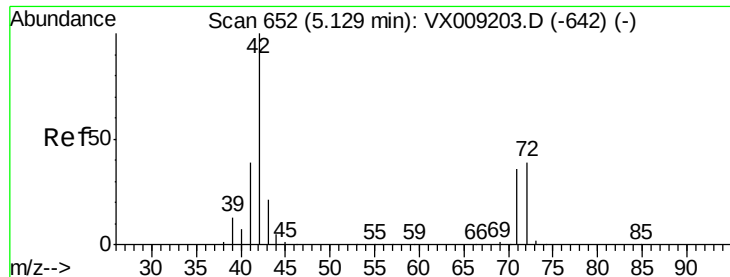


#28

Bromochloromethane
 Concen: 20.990 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 49 Resp: 31596
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 61.6 51.2 76.8

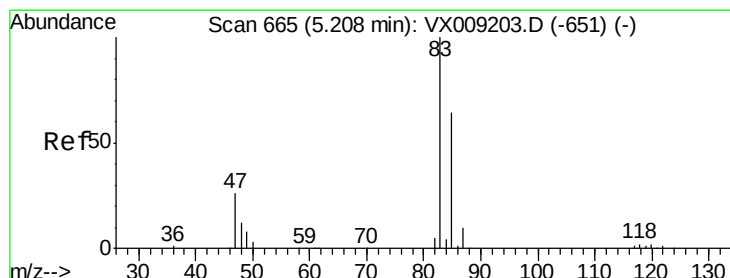
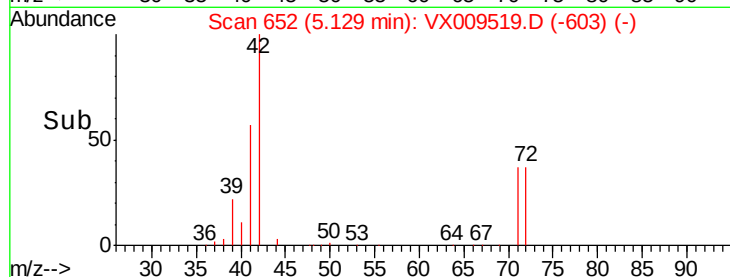
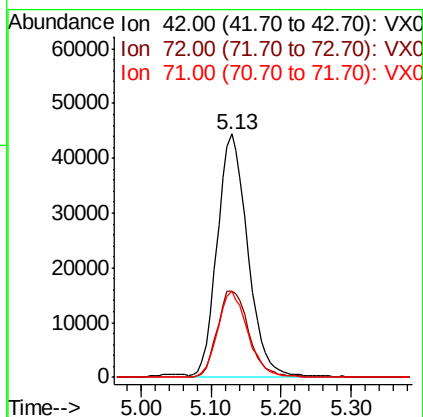
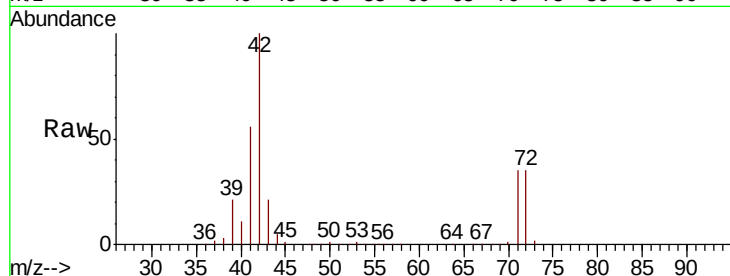




#29
Tetrahydrofuran
Concen: 113.925 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

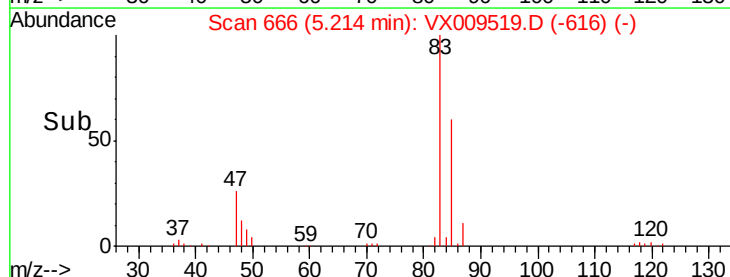
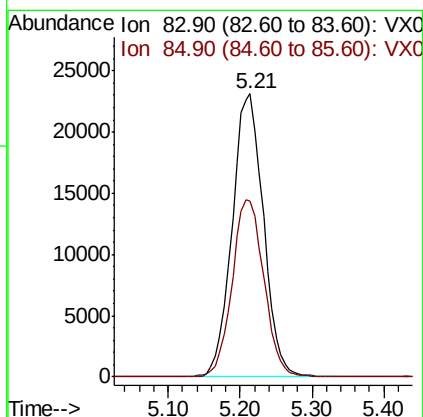
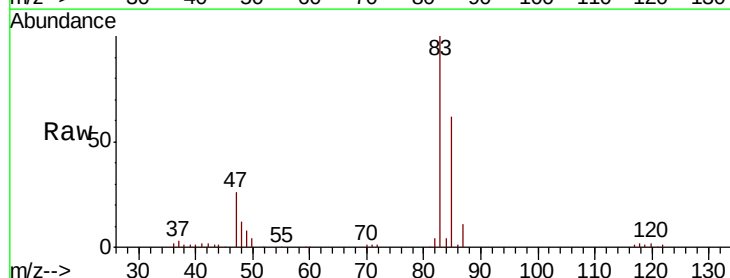
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

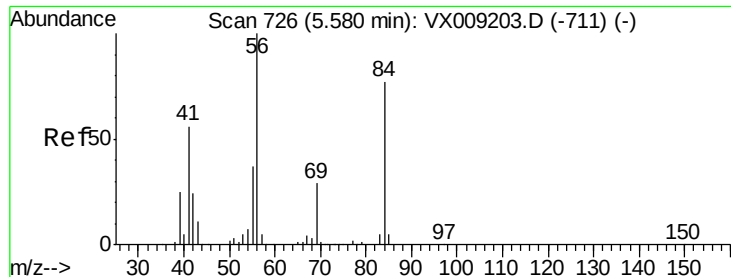
Tot Ion: 42 Resp: 133807
Ion Ratio Lower Upper
42 100
72 37.3 30.4 45.6
71 35.2 28.6 43.0



#30
Chloroform
Concen: 22.171 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 83 Resp: 69700
Ion Ratio Lower Upper
83 100
85 62.1 51.5 77.3

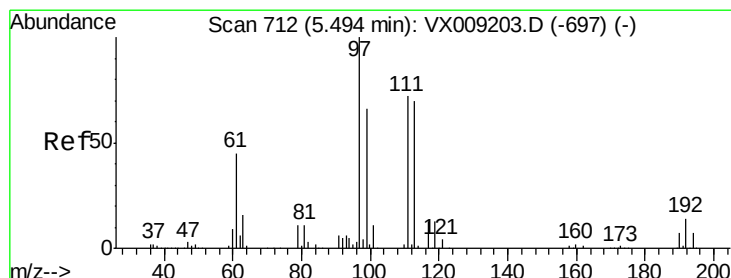
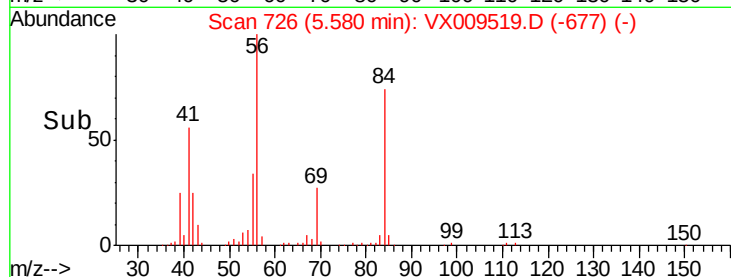
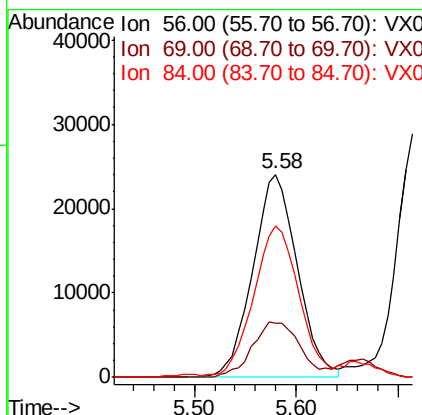
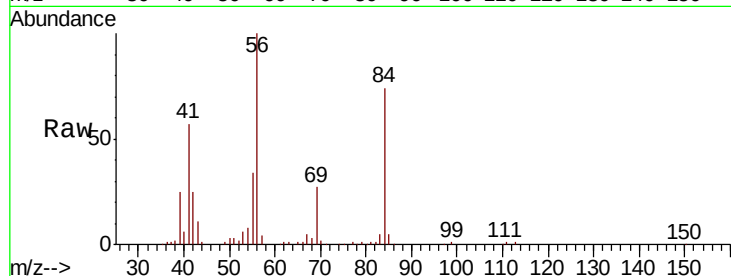




#31
Cyclohexane
Concen: 22.519 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

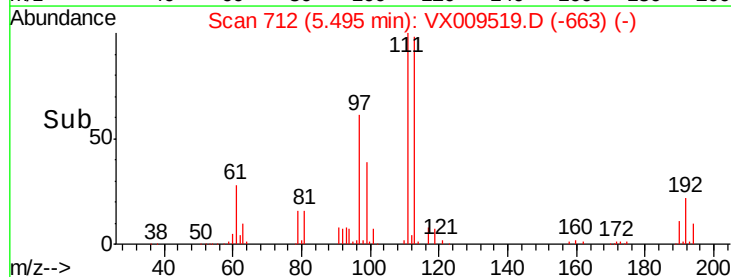
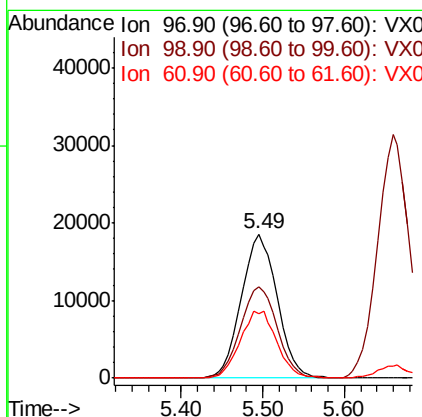
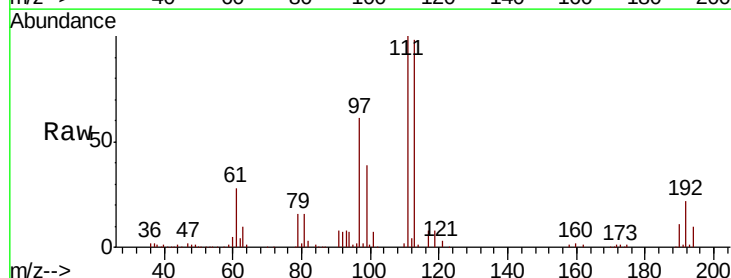
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

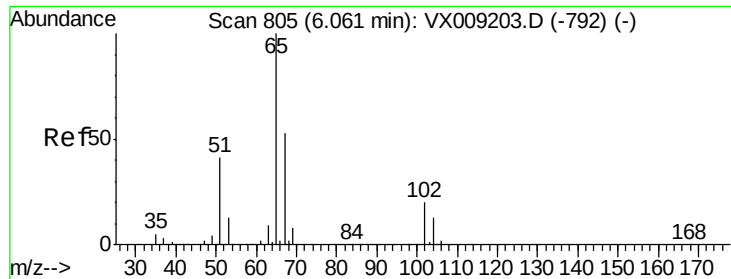
Tot Ion: 56 Resp: 72826
Ion Ratio Lower Upper
56 100
69 26.7 23.4 35.0
84 72.9 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 21.655 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 97 Resp: 56673
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.8
61 47.8 37.8 56.8

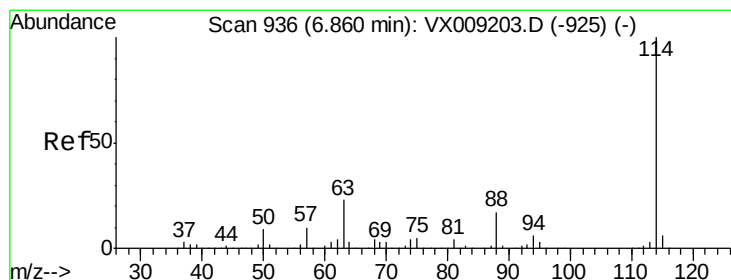
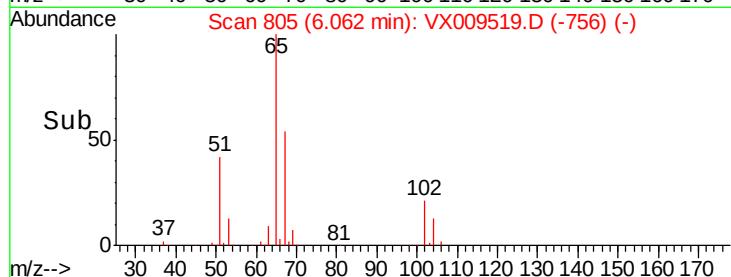
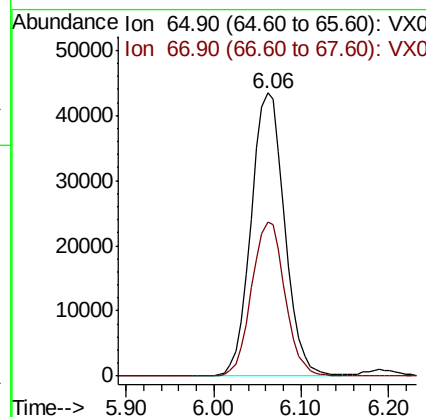
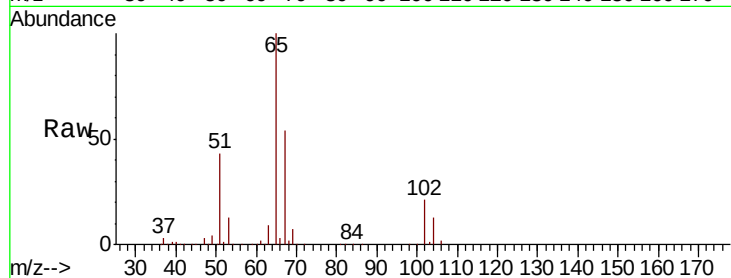




#33
 1,2-Dichloroethane-d4
 Concen: 52.953 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

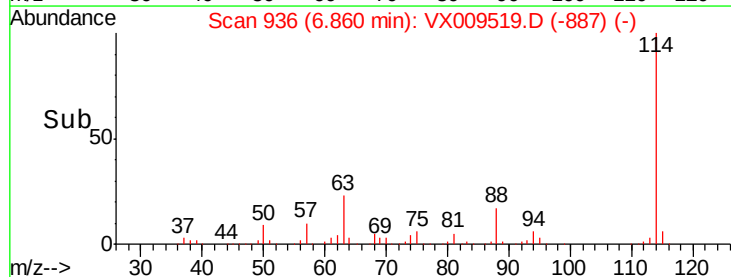
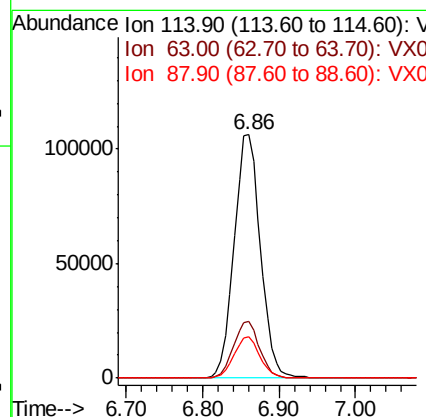
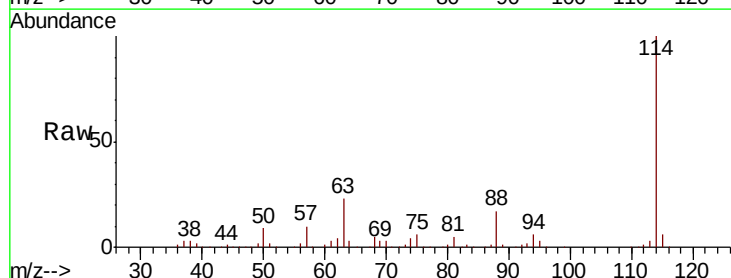
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

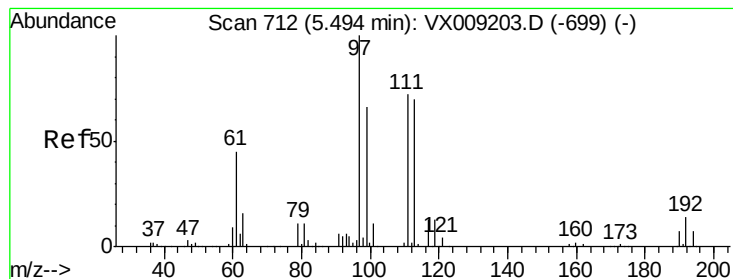
Tot Ion: 65 Resp: 115829
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 114 Resp: 253305
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.305 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

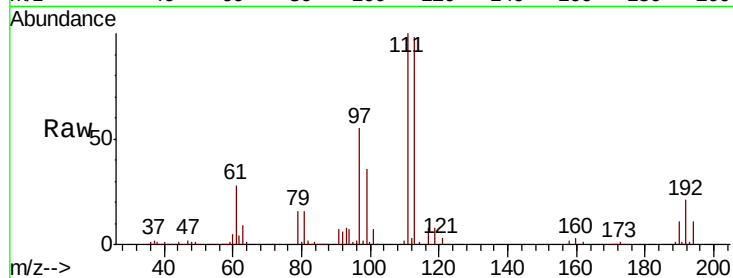
Tot Ion:113 Resp: 86474

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 21.9 17.0 25.6

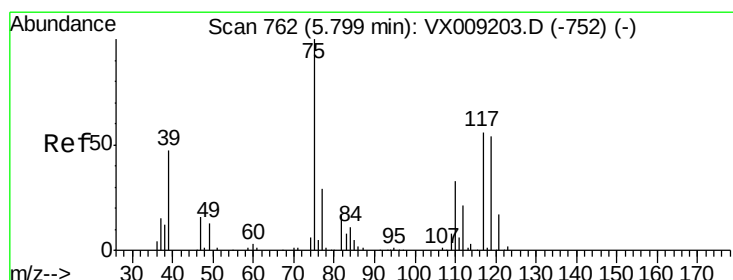
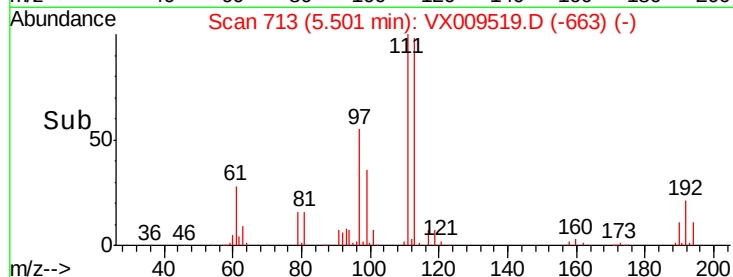
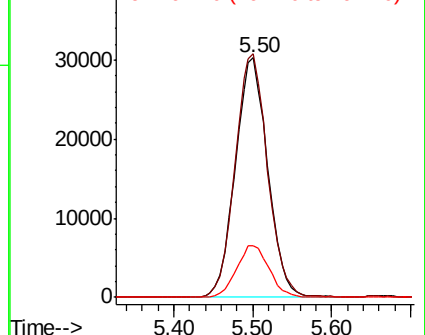


Abundance

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: 22.114 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

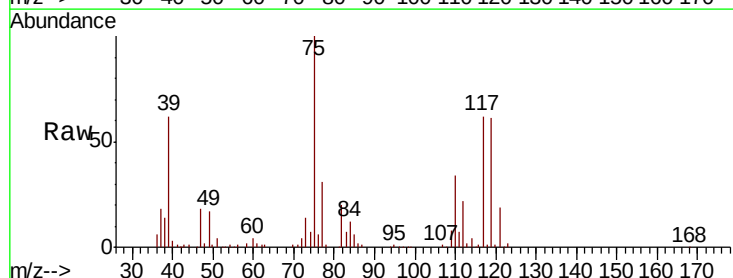
Tgt Ion: 75 Resp: 52056

Ion Ratio Lower Upper

75 100

110 33.9 16.9 50.6

77 31.6 24.8 37.2

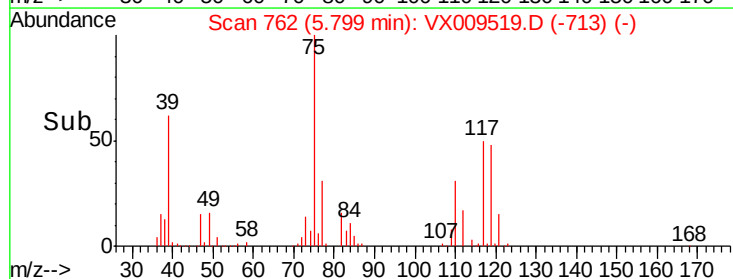
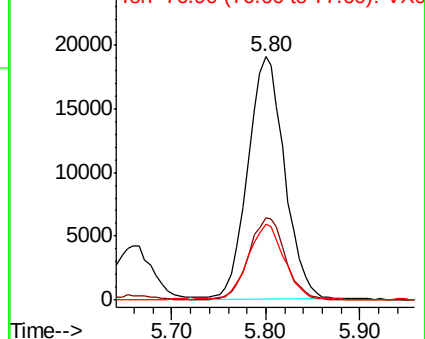


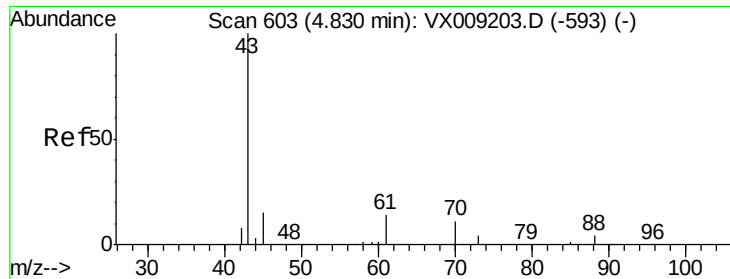
Abundance

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: 22.802 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

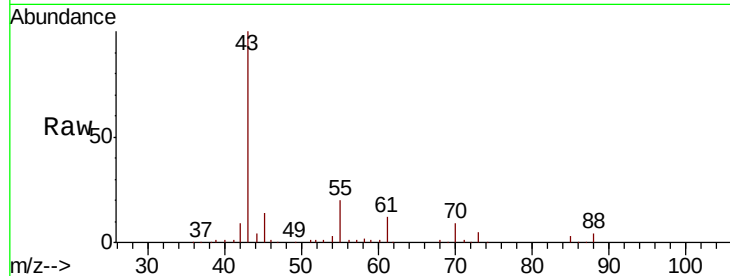
Tot Ion: 43 Resp: 74786

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

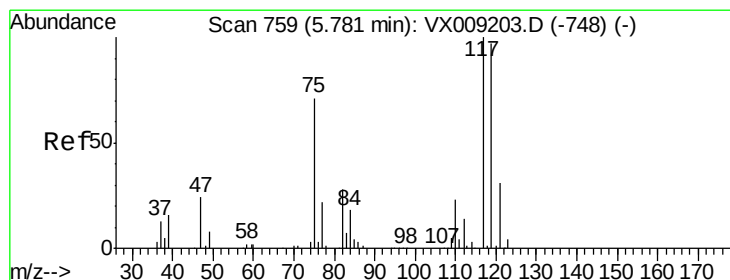
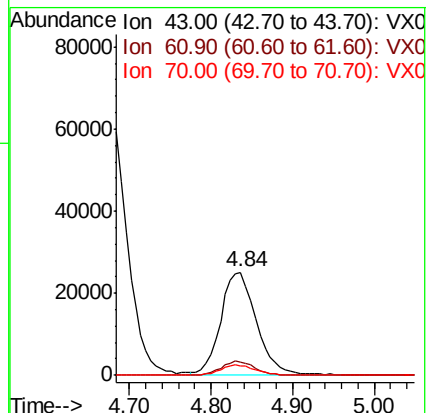
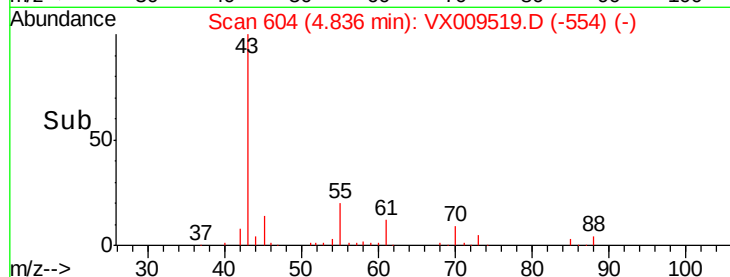
70 9.8 7.9 11.9



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: 21.811 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

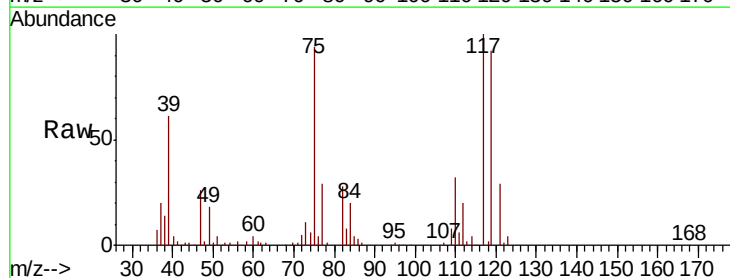
Tgt Ion: 117 Resp: 46648

Ion Ratio Lower Upper

117 100

119 92.4 77.5 116.3

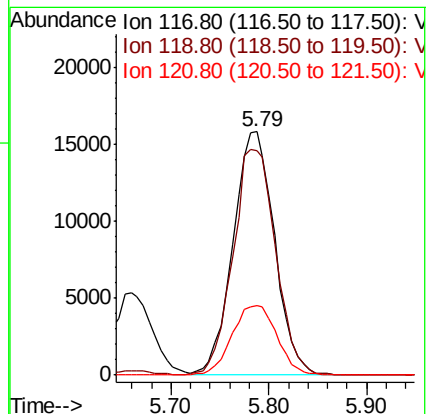
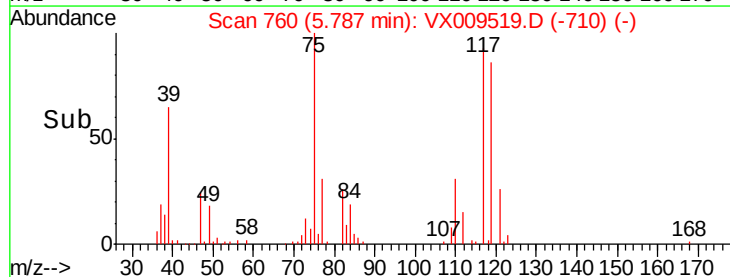
121 28.6 24.7 37.1

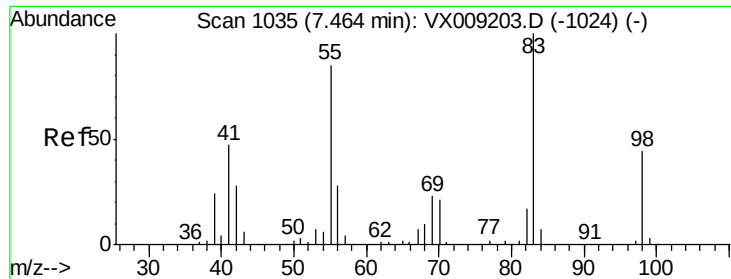


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

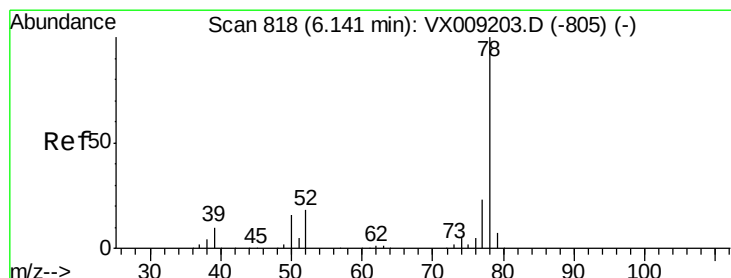
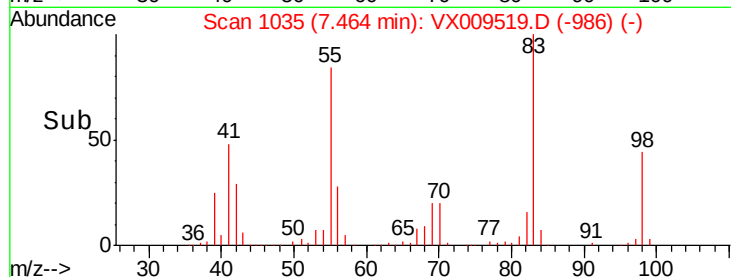
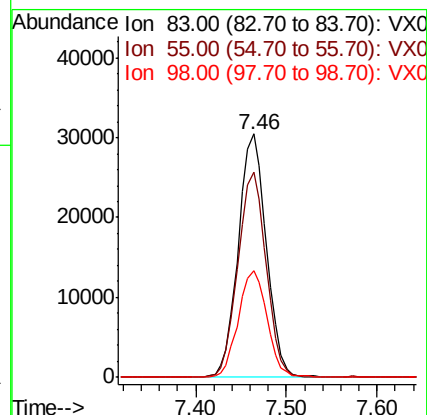
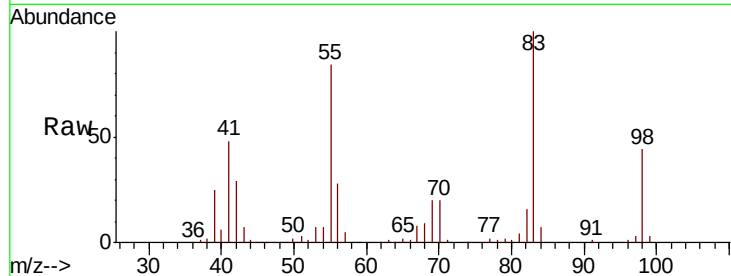




#39
Methylvlcyclohexane
Concen: 22.662 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

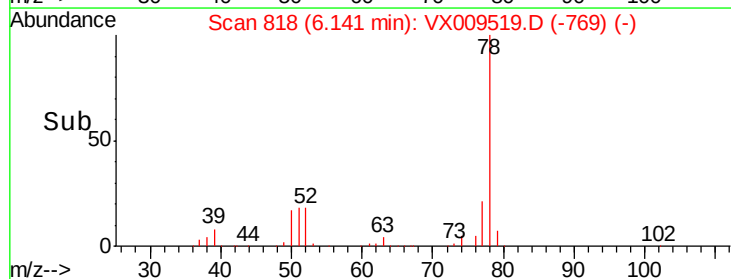
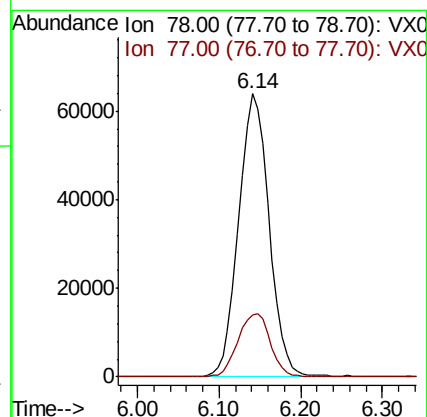
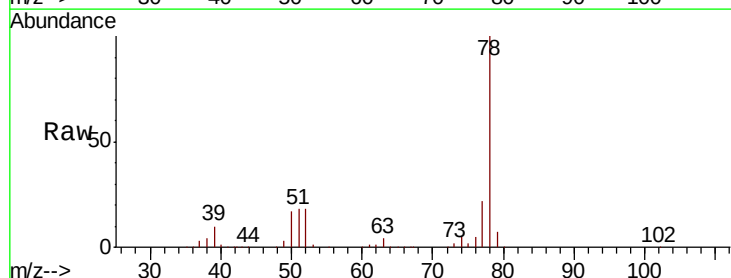
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

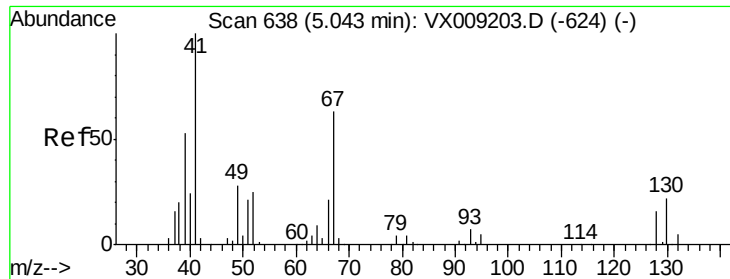
Tot Ion: 83 Resp: 65514
Ion Ratio Lower Upper
83 100
55 84.4 67.7 101.5
98 43.7 35.5 53.3



#40
Benzene
Concen: 22.704 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 78 Resp: 165403
Ion Ratio Lower Upper
78 100
77 21.8 18.8 28.2





#41

Methacrylonitrile

Concen: 21.721 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tot Ion: 41 Resp: 42408

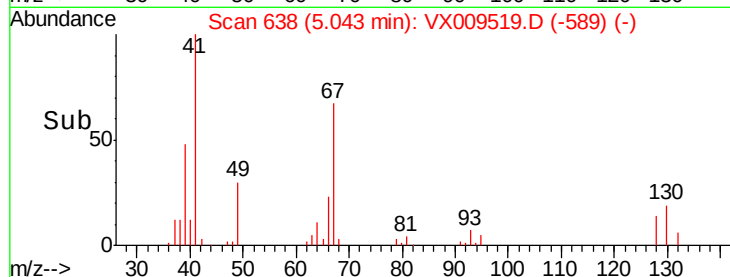
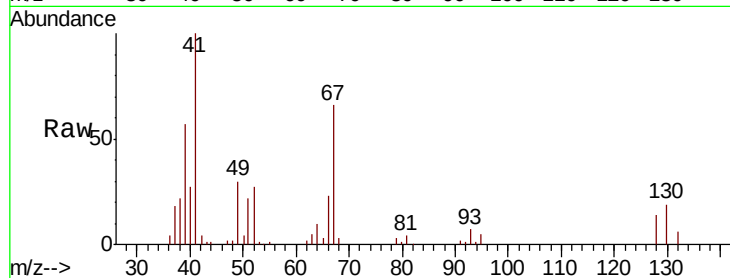
Ion Ratio Lower Upper

41 100

39 55.7 42.0 63.0

67 64.0 49.8 74.8

52 26.8 20.3 30.5

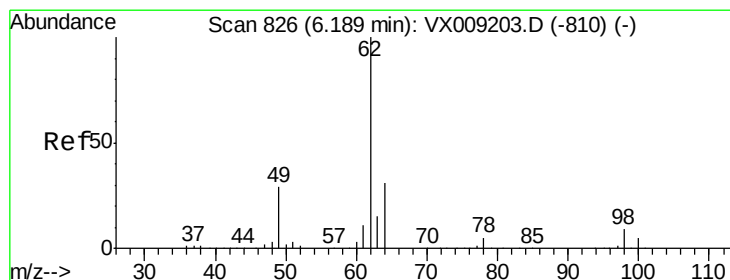
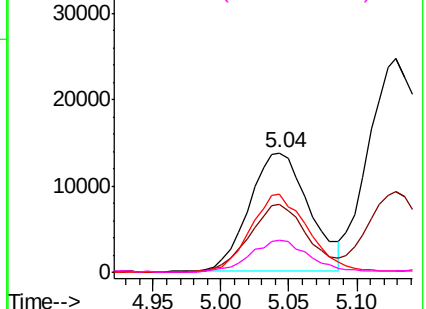


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 23.006 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009519.D

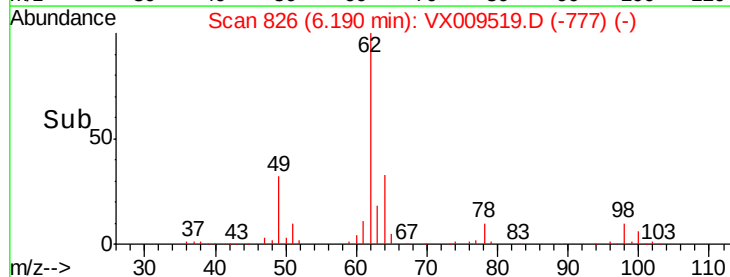
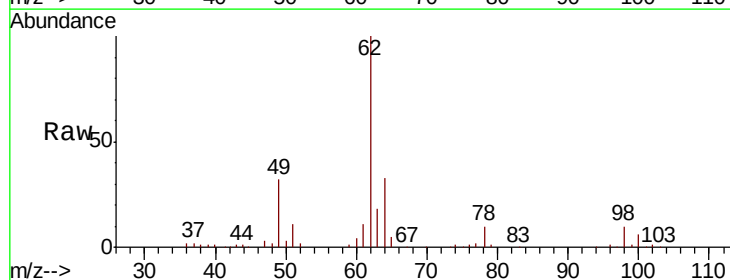
Acq: 11 May 2019 12:47

Tgt Ion: 62 Resp: 60123

Ion Ratio Lower Upper

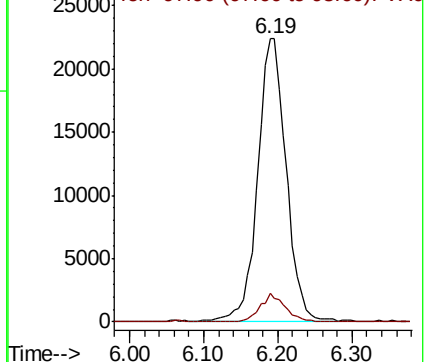
62 100

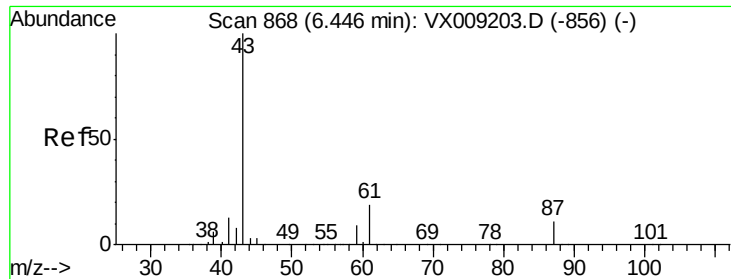
98 8.6 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



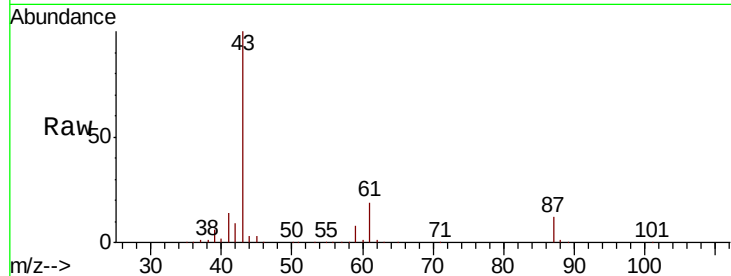


#43

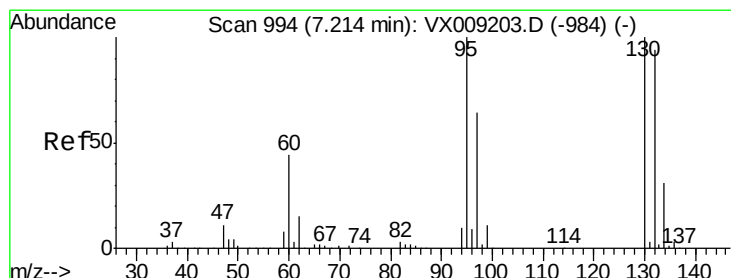
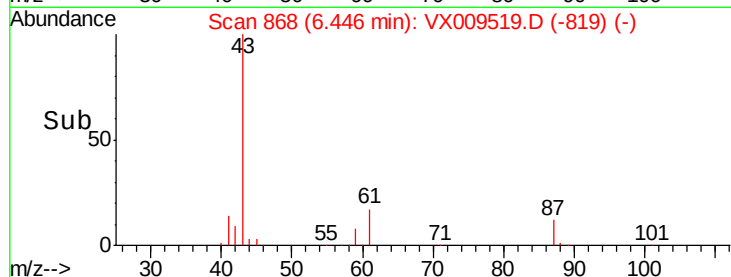
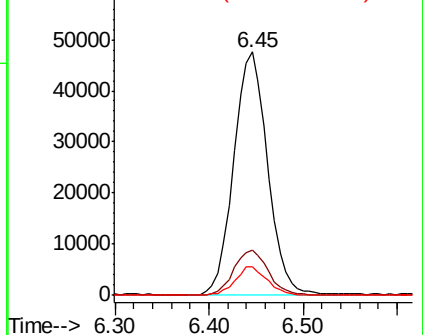
Isopropyl Acetate
 Concen: 22.651 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tot Ion: 43 Resp: 118831
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.1 22.7
 87 11.2 9.0 13.6



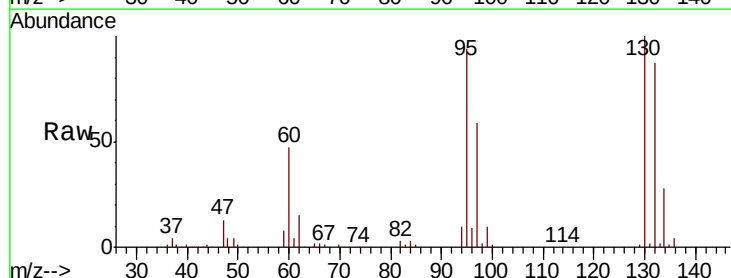
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



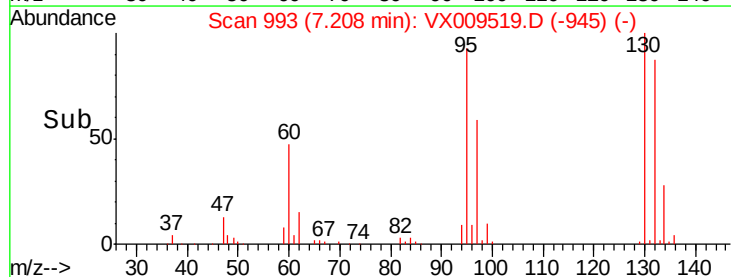
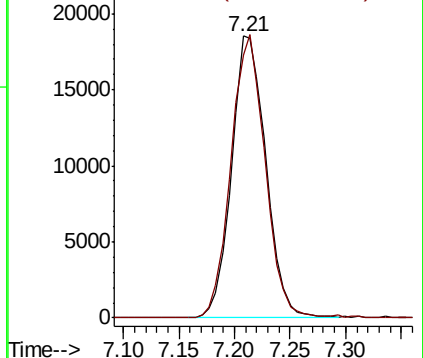
#44

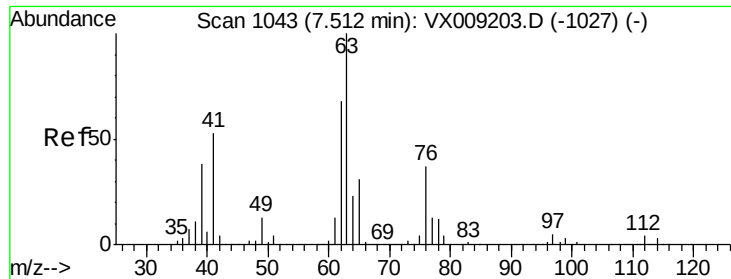
Trichloroethene
 Concen: 22.465 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:130 Resp: 39565
 Ion Ratio Lower Upper
 130 100
 95 93.5 0.0 199.2



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

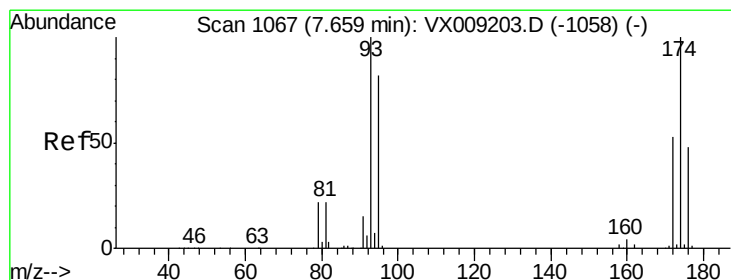
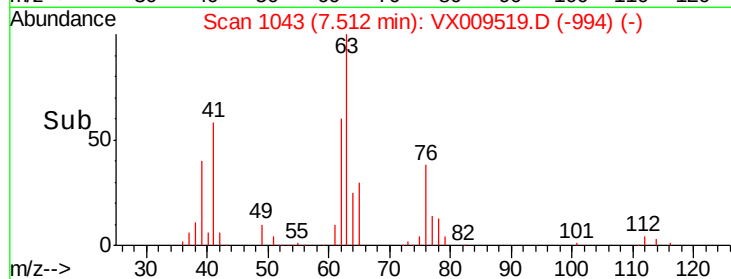
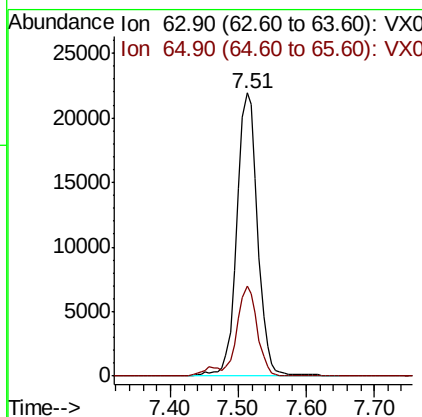
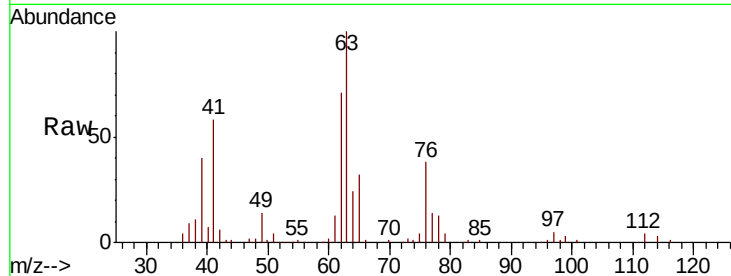




#45
 1,2-Dichloropropane
 Concen: 22.557 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

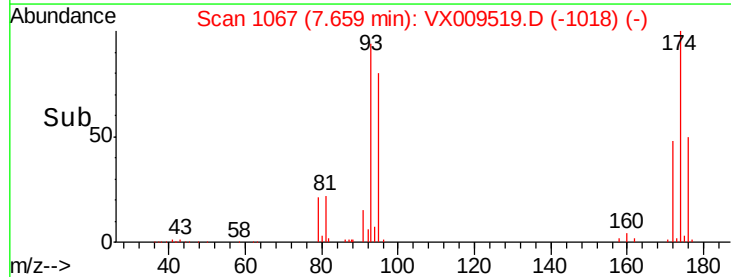
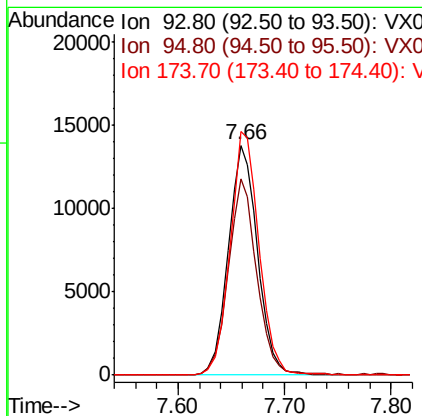
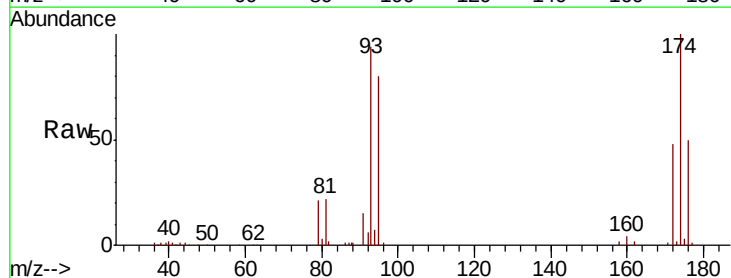
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

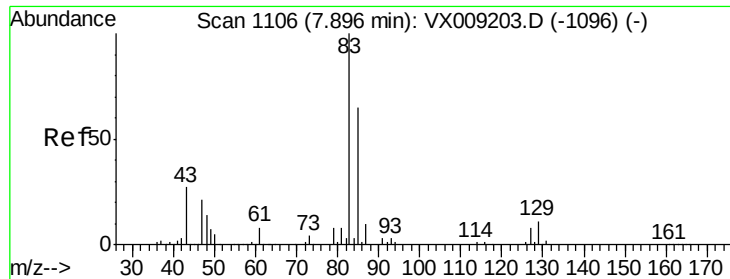
Tot Ion: 63 Resp: 46532
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6



#46
 Dibromomethane
 Concen: 22.194 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 93 Resp: 26587
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.5 99.7
 174 104.6 82.1 123.1

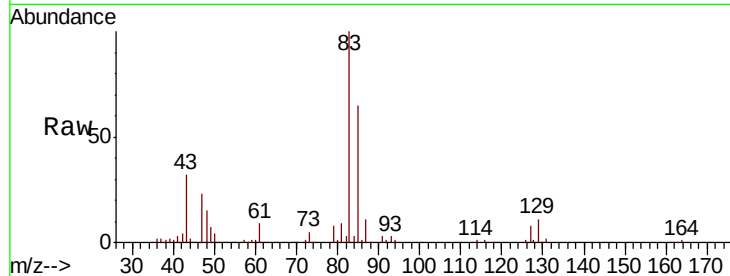




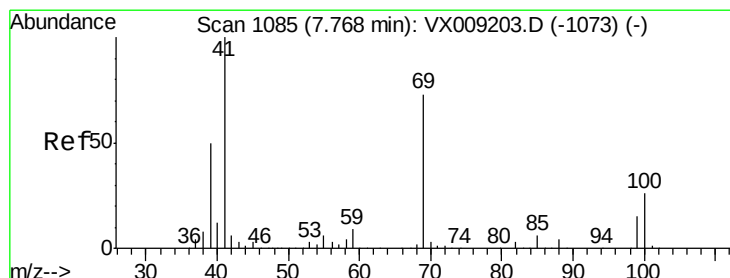
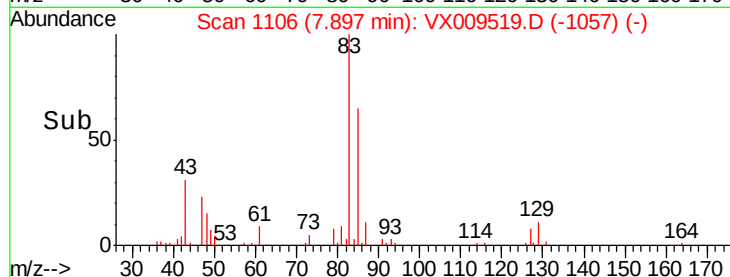
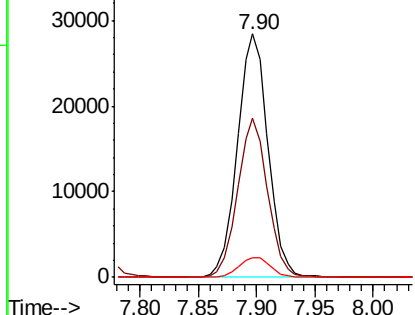
#47
 Bromodichloromethane
 Concen: 21.757 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tot Ion: 83 Resp: 51990
 Ion Ratio Lower Upper
 83 100
 85 65.3 52.4 78.6
 127 8.0 6.6 10.0

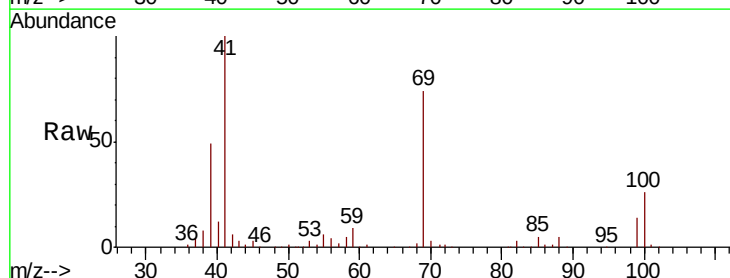


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

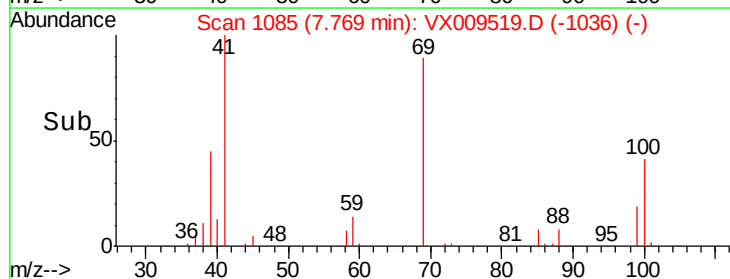
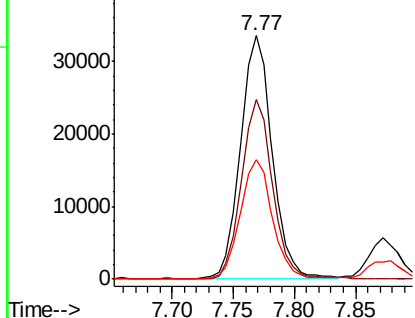


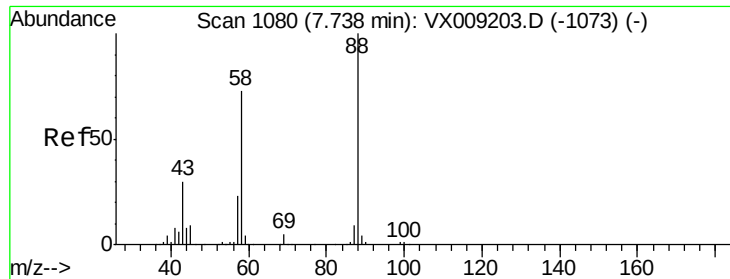
#48
 Methyl methacrylate
 Concen: 23.113 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 41 Resp: 60158
 Ion Ratio Lower Upper
 41 100
 69 73.0 59.1 88.7
 39 49.2 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

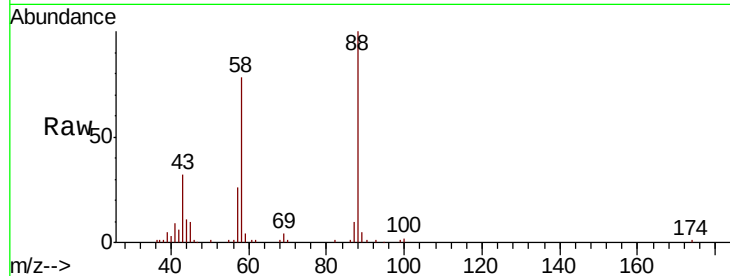




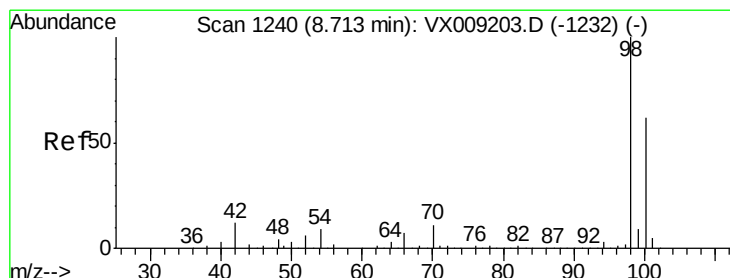
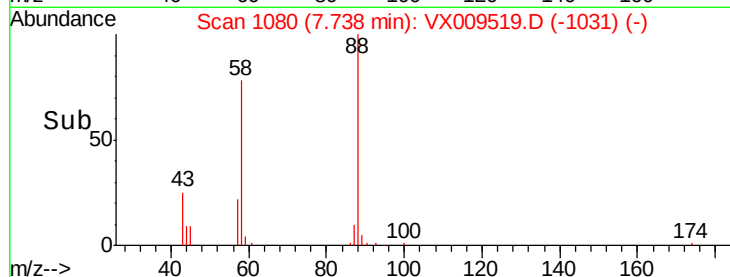
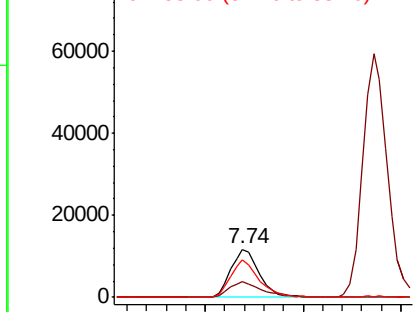
#49
1,4-Dioxane
Concen: 443.864 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tot Ion: 88 Resp: 23429
Ion Ratio Lower Upper
88 100
43 36.4 28.6 42.8
58 77.7 61.7 92.5

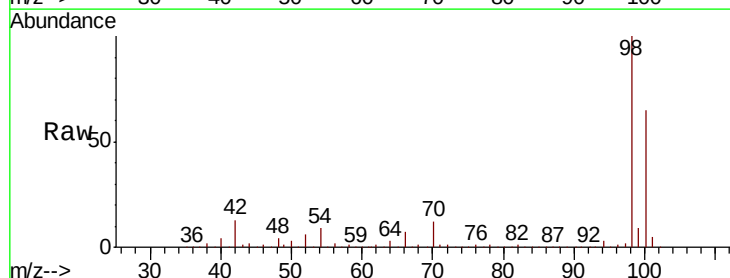


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

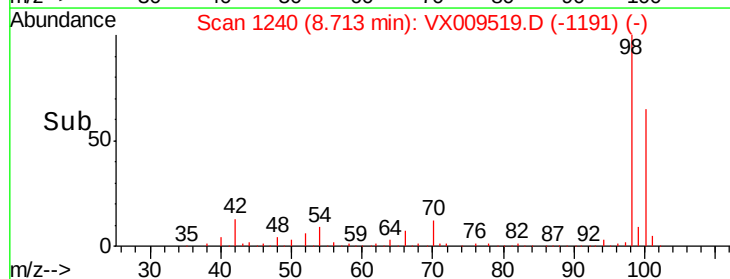
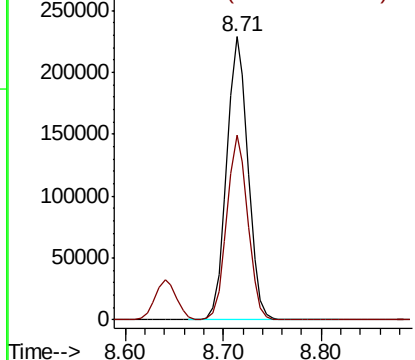


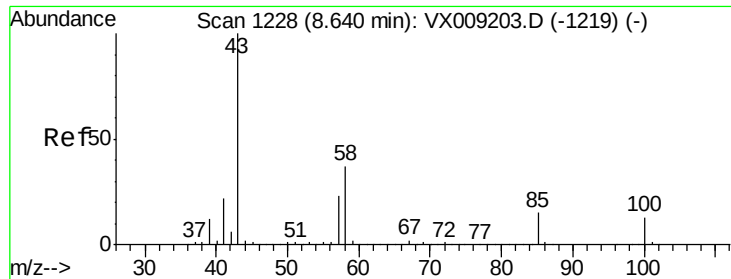
#50
Toluene-d8
Concen: 53.722 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 98 Resp: 345366
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 114.737 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

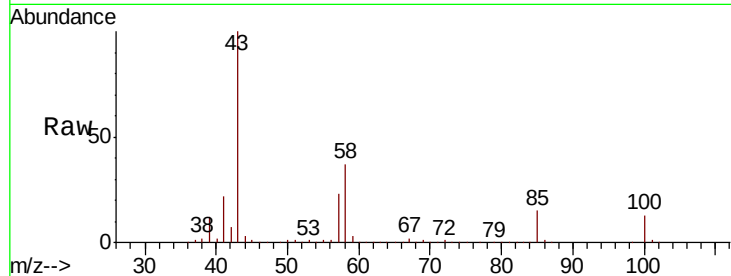
VX0511MBS01

Tot Ion: 43 Resp: 393438

Ion Ratio Lower Upper

43 100

58 36.5 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

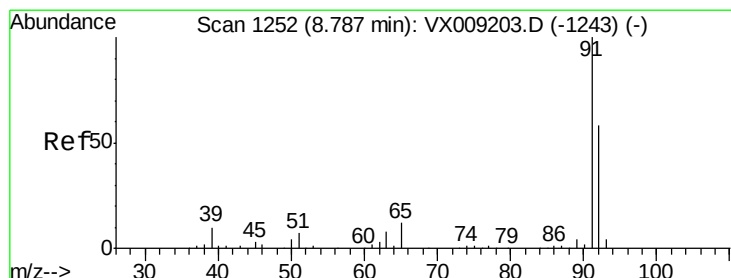
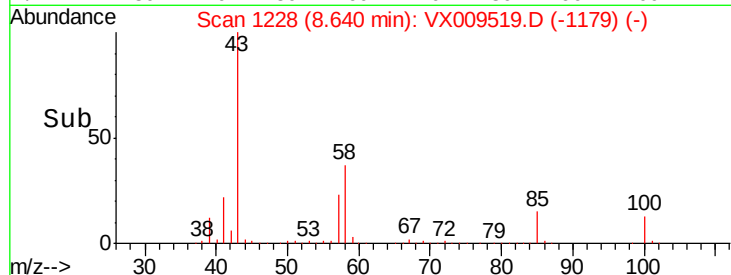
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.768 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009519.D

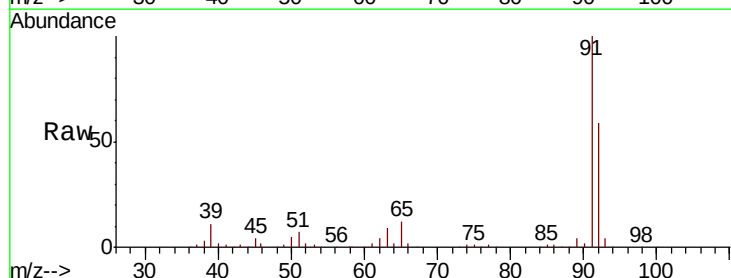
Acq: 11 May 2019 12:47

Tgt Ion: 92 Resp: 100826

Ion Ratio Lower Upper

92 100

91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

120000

100000

80000

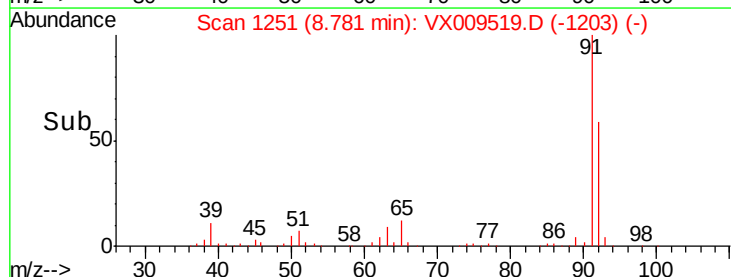
60000

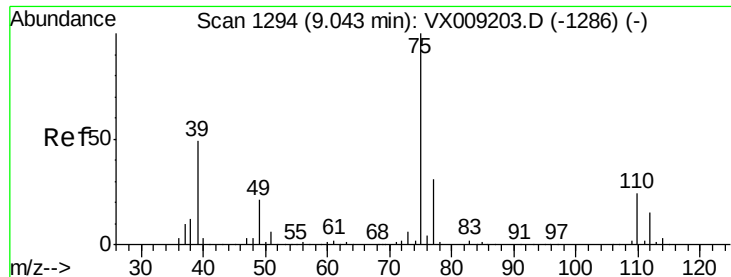
40000

20000

0

Time-->

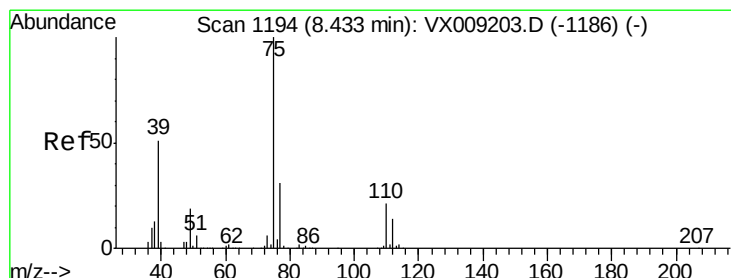
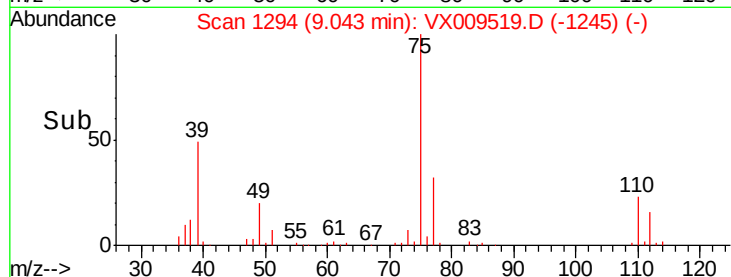
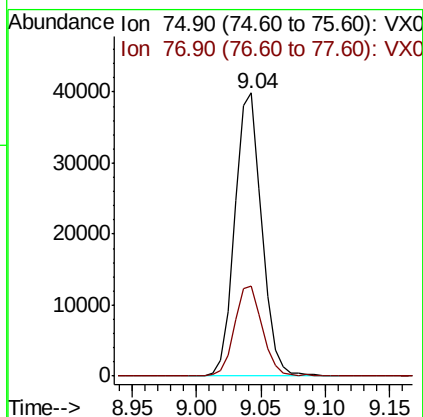
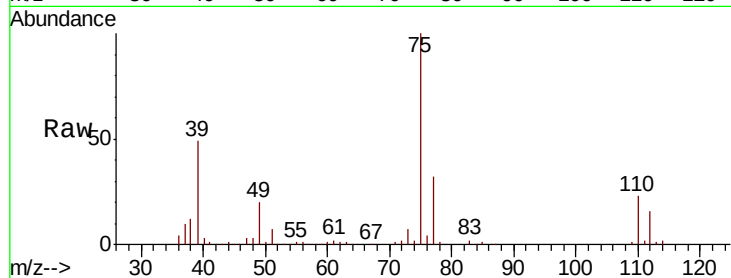




#53
t-1,3-Dichloropropene
Concen: 21.541 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

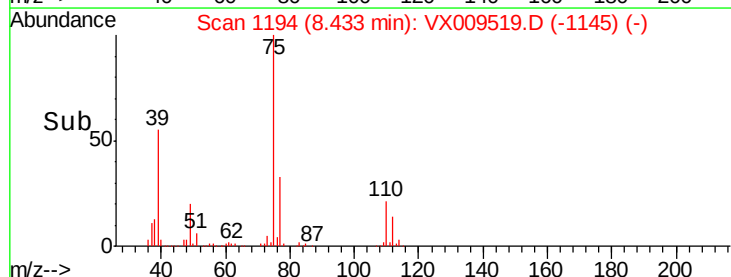
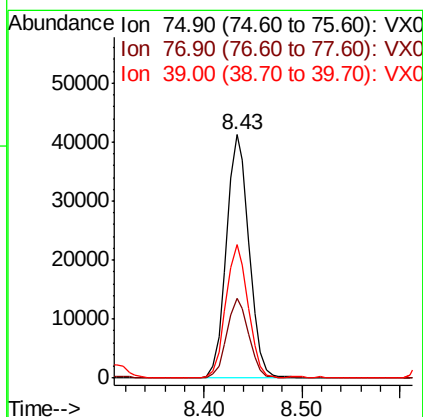
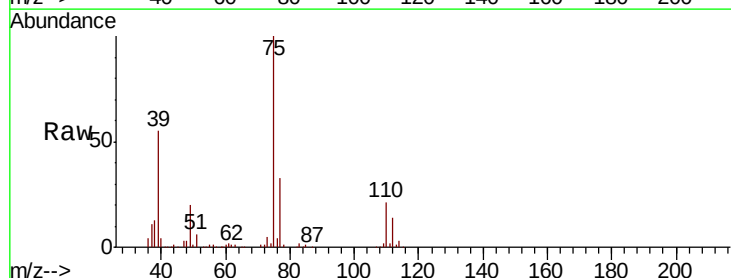
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

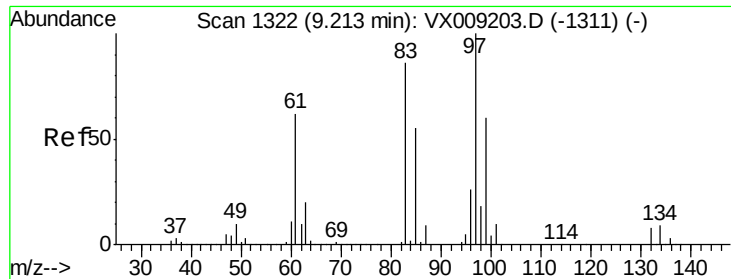
Tot Ion: 75 Resp: 58113
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 22.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 75 Resp: 66335
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 54.8 40.6 60.8

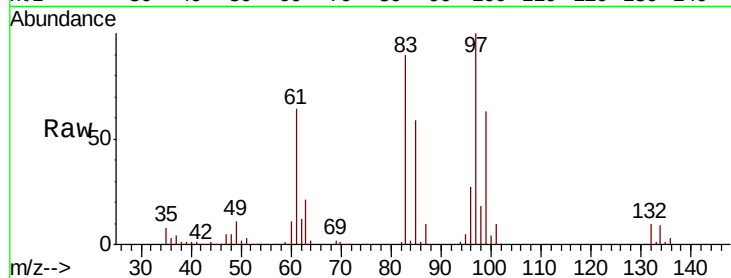




#55
 1,1,2-Trichloroethane
 Concen: 22.559 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tot Ion:	97	Resp:	40757
Ion	Ratio	Lower	Upper
97	100		
83	90.4	68.9	103.3
85	59.4	43.8	65.6
99	63.3	48.2	72.2



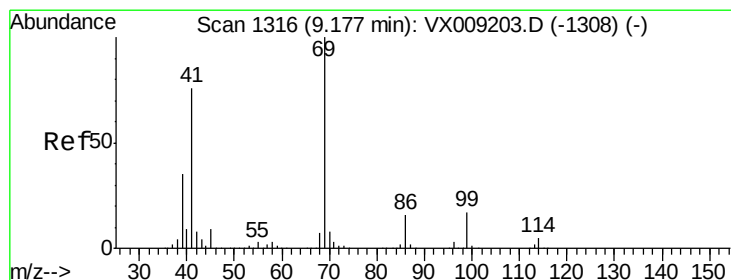
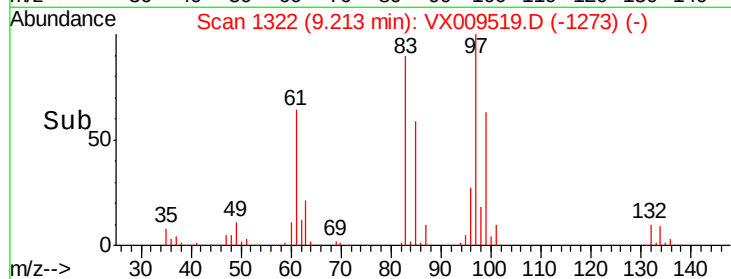
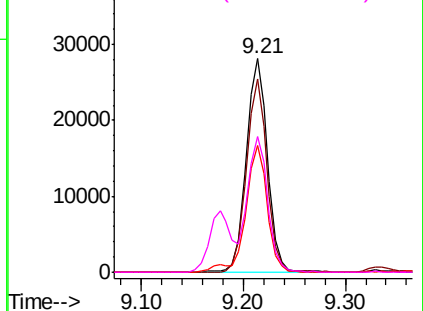
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

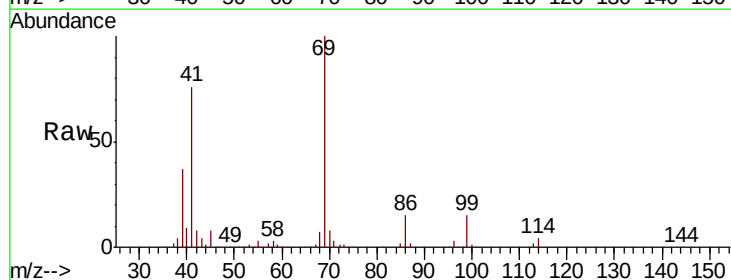
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 22.578 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:	69	Resp:	72814
Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.6	90.8
39	36.9	28.2	42.4

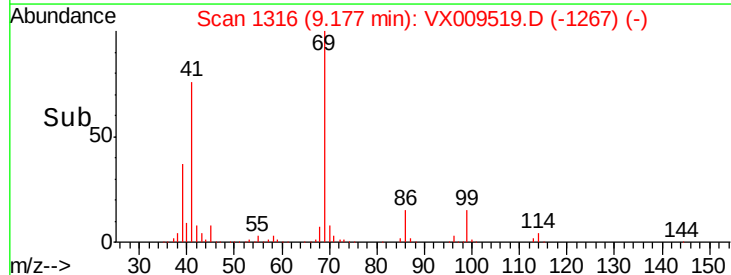
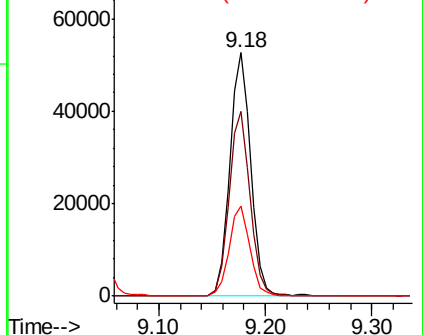


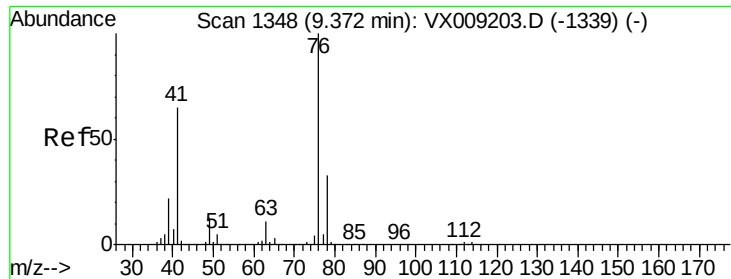
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

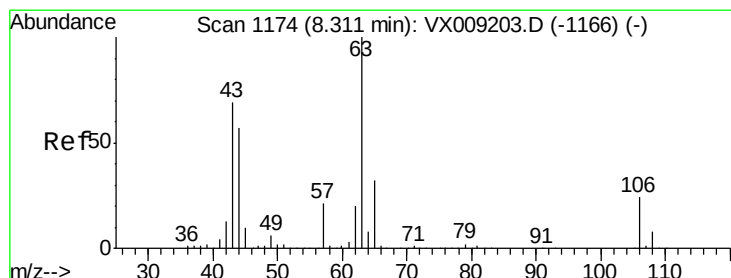
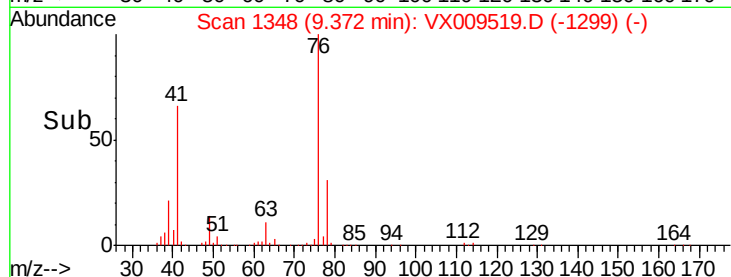
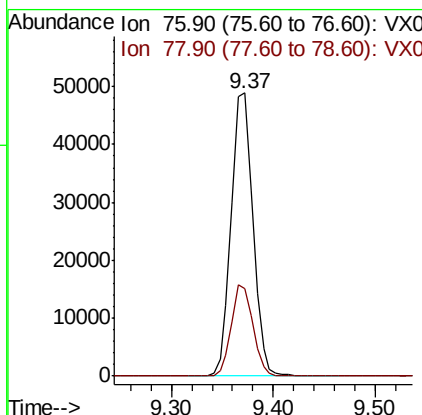
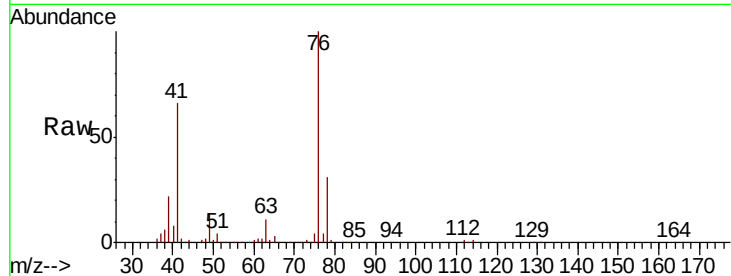




#57
 1,3-Dichloropropane
 Concen: 22.671 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

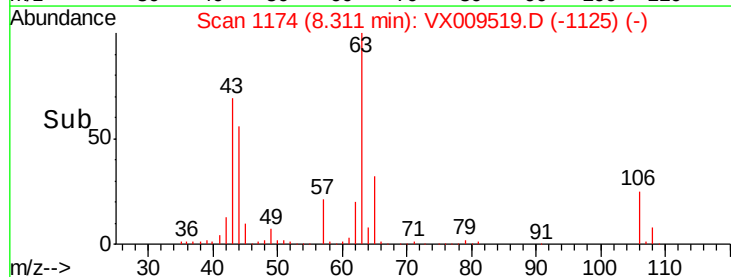
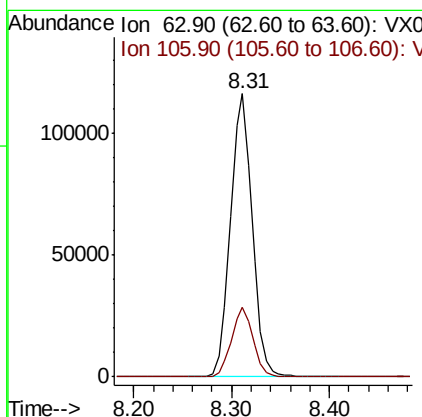
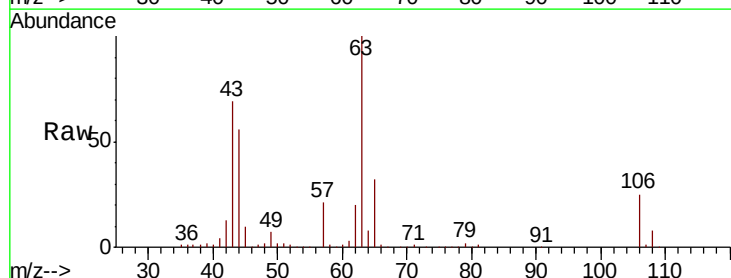
Instrument :
 MSVOA_X
 ClientSampled :
 VX0511MBS01

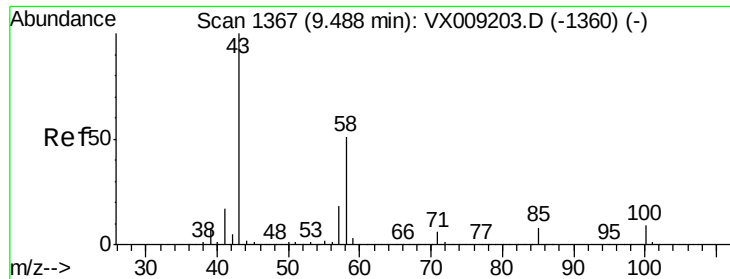
Tot Ion: 76 Resp: 72078
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.920 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 63 Resp: 179506
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

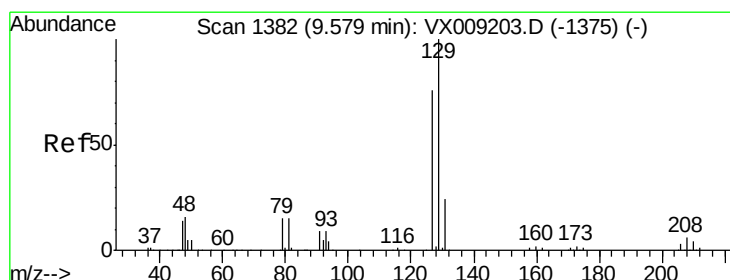
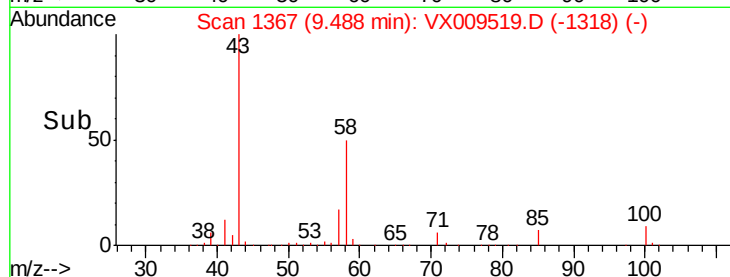
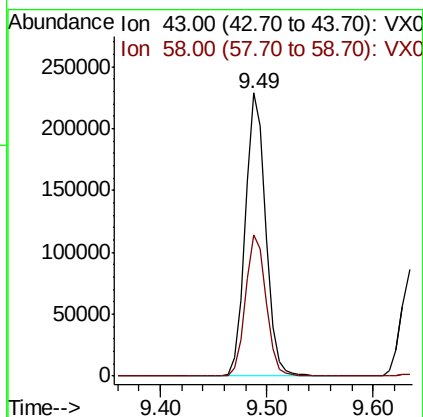
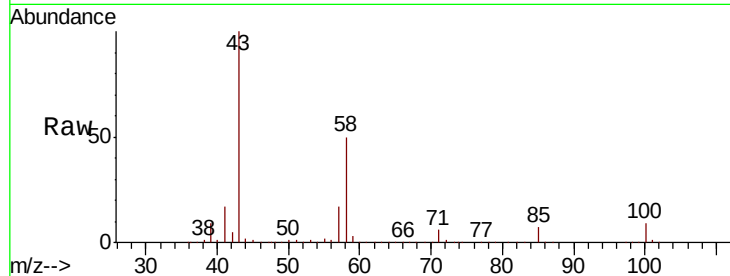




#59
2-Hexanone
Concen: 114.021 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

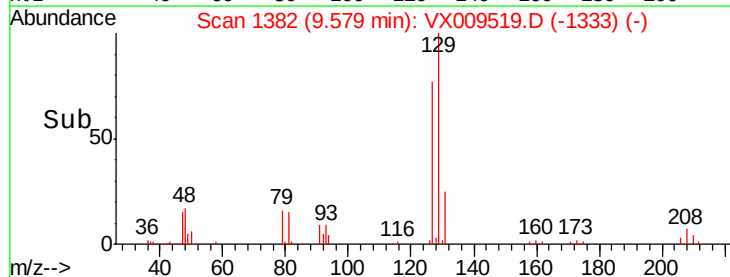
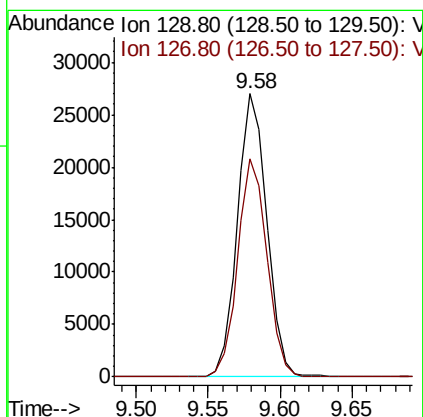
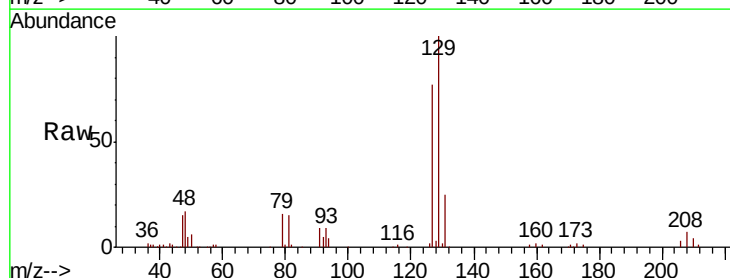
Instrument :
MSVOA_X
ClientSampled :
VX0511MBS01

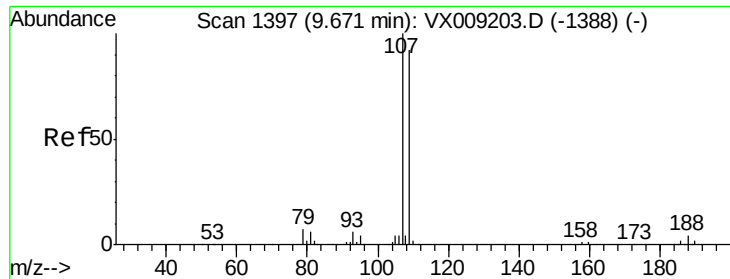
Tot Ion: 43 Resp: 307075
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7



#60
Dibromochloromethane
Concen: 21.748 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 129 Resp: 38376
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.1

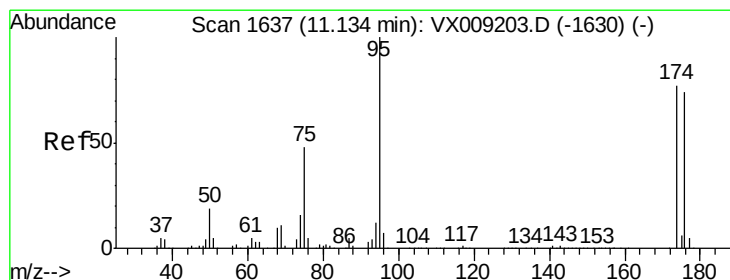
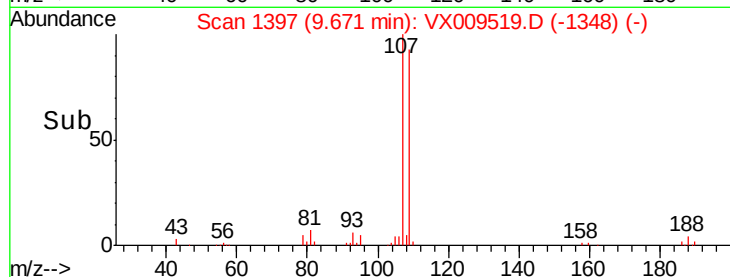
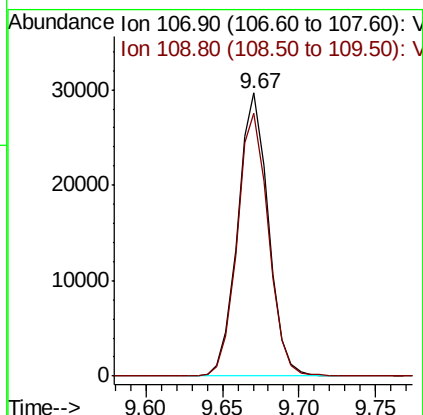
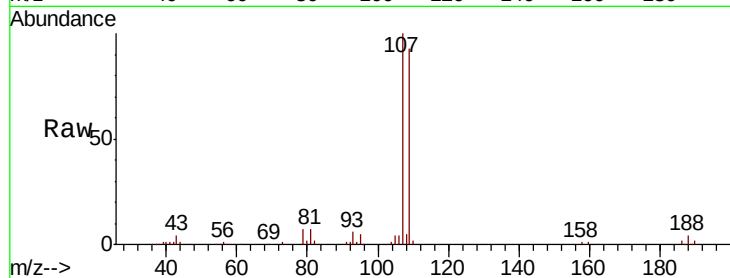




#61
 1,2-Dibromoethane
 Concen: 22.555 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

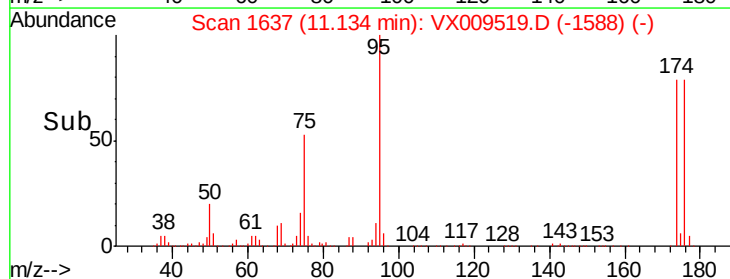
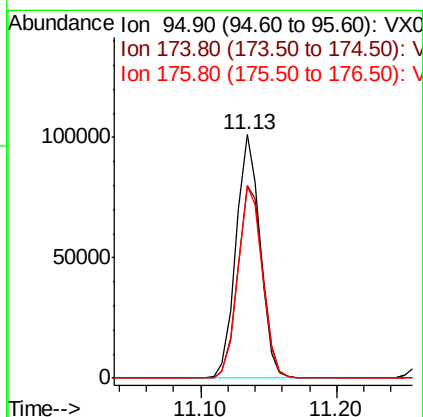
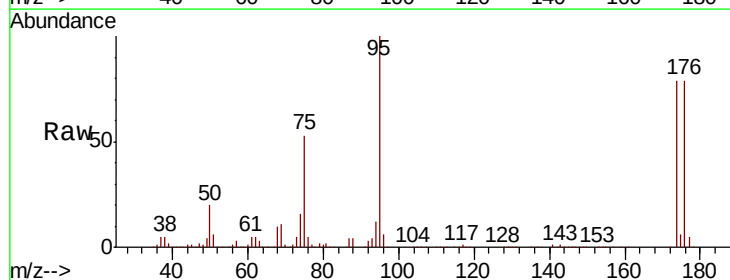
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

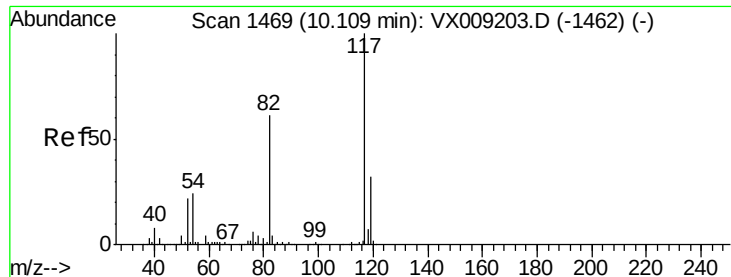
Tot Ion:107 Resp: 41134
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.127 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion: 95 Resp: 124105
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 161.6
 176 80.1 0.0 159.2

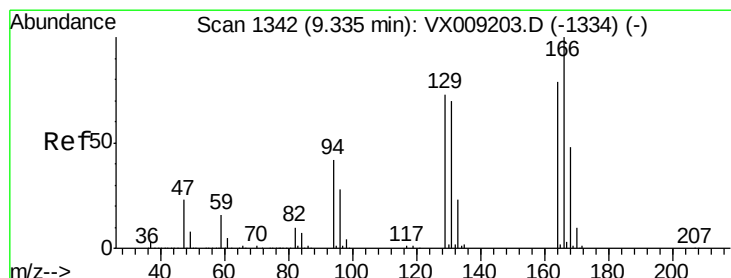
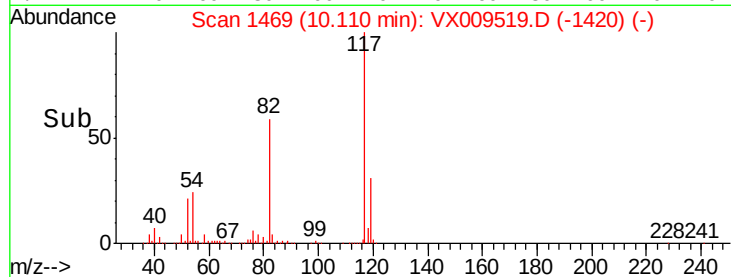
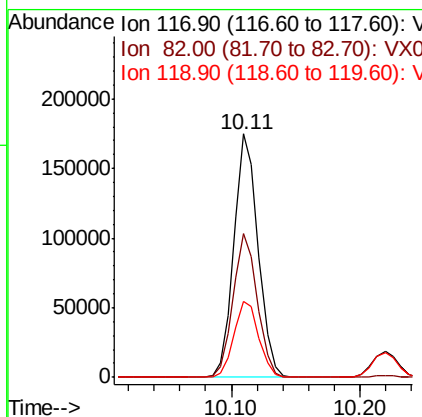
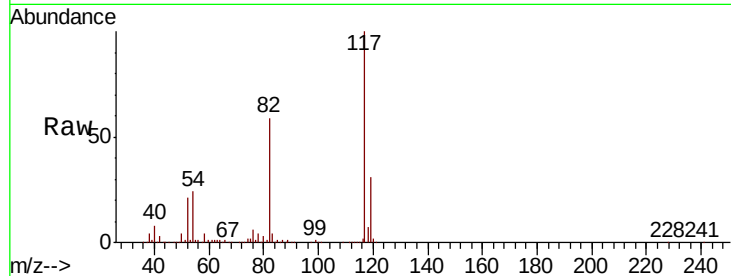




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

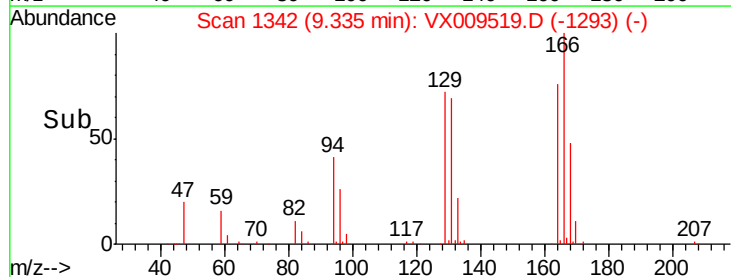
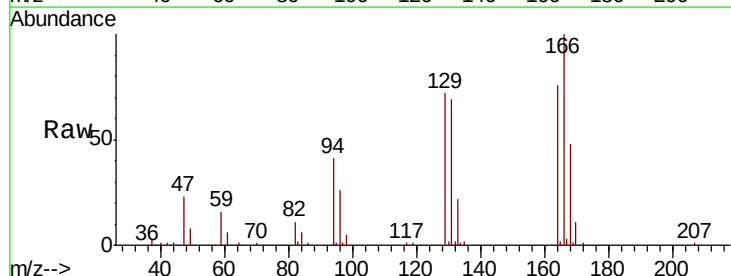
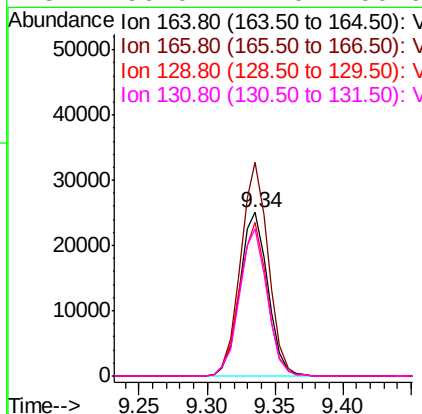
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

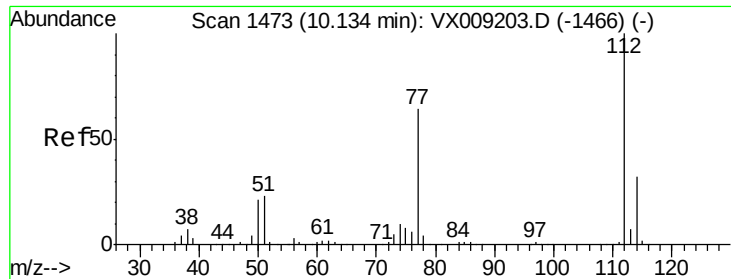
Tot Ion:117 Resp: 229654
Ion Ratio Lower Upper
117 100
82 58.8 48.8 73.2
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 22.927 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion:164 Resp: 36117
Ion Ratio Lower Upper
164 100
166 130.7 101.2 151.8
129 93.8 74.3 111.5
131 90.0 71.0 106.6

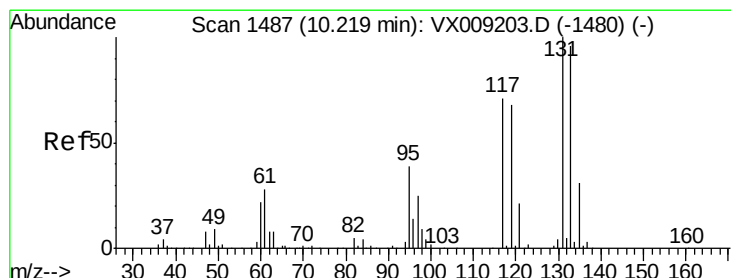
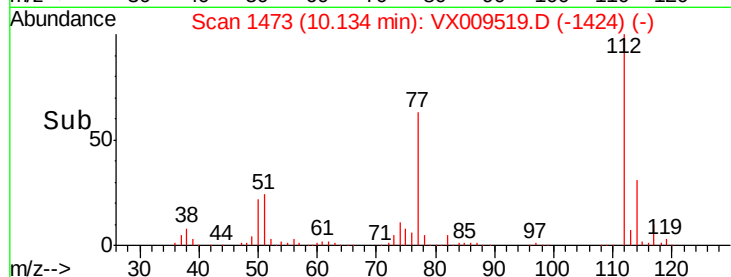
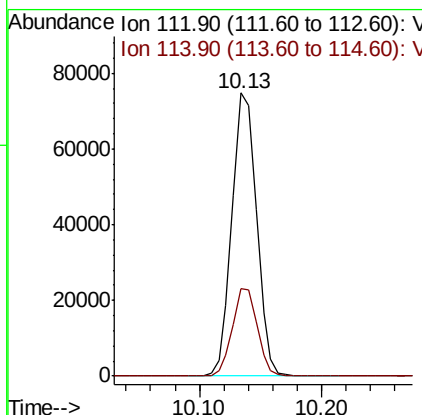
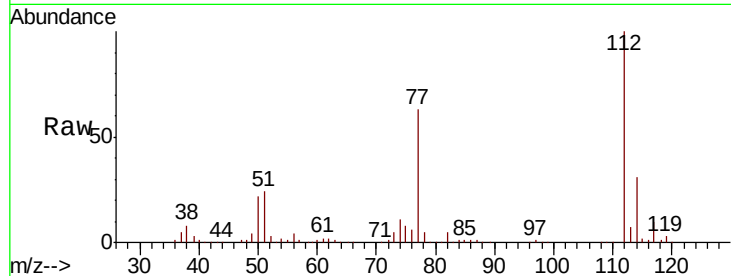




#65
Chlorobenzene
Concen: 22.683 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

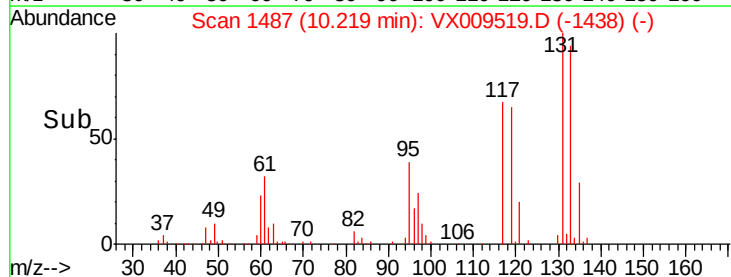
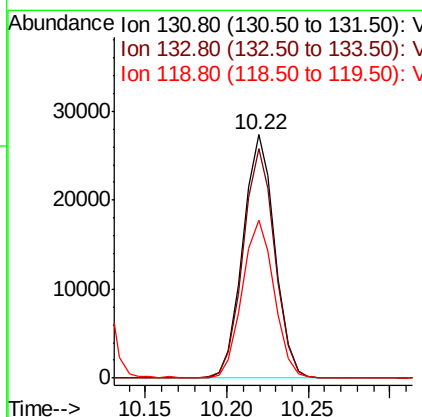
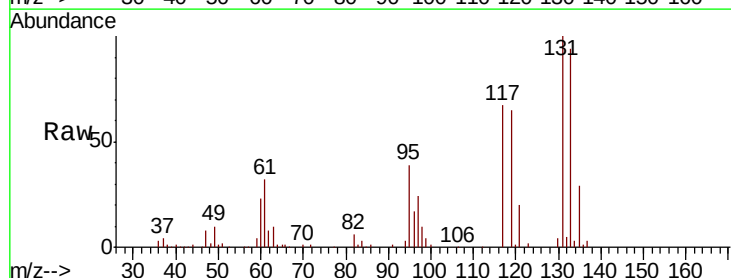
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

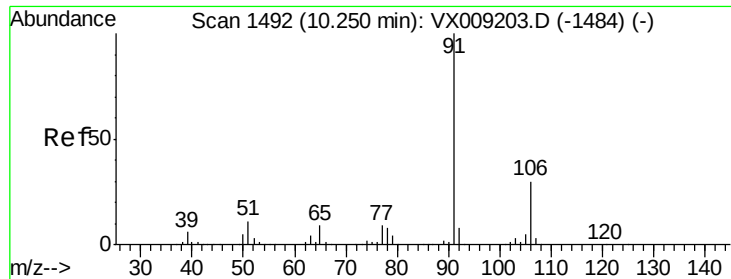
Tot Ion:112 Resp: 104210
Ion Ratio Lower Upper
112 100
114 30.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.344 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion:131 Resp: 37216
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 22.442 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

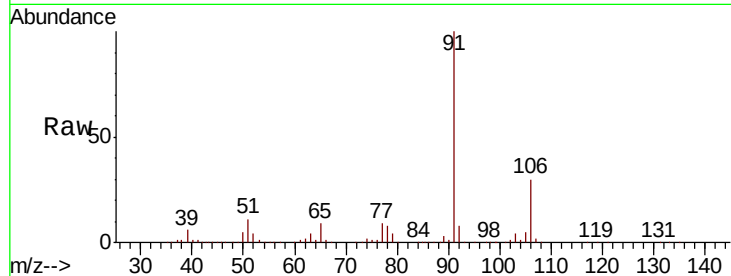
VX0511MBS01

Tot Ion: 91 Resp: 189743

Ion Ratio Lower Upper

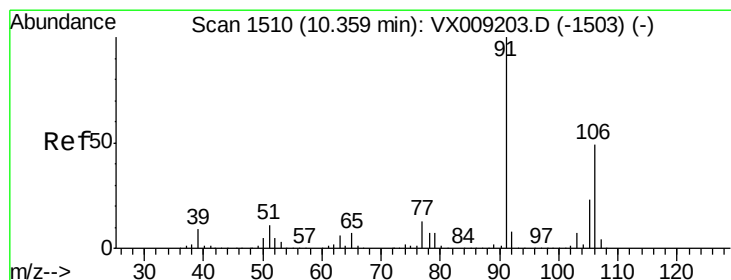
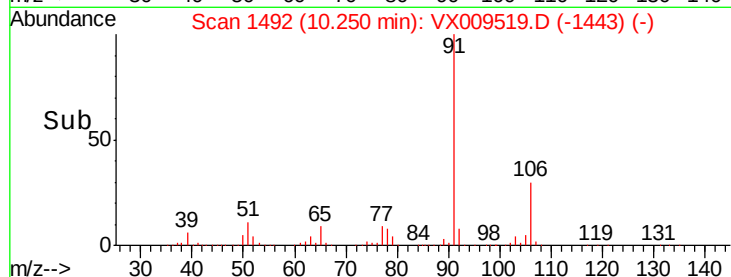
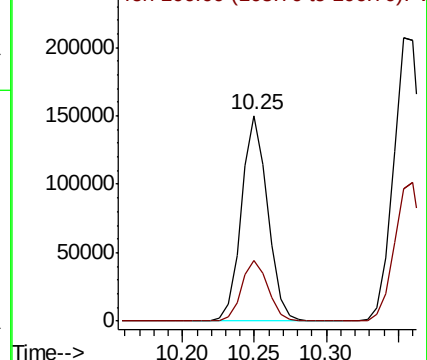
91 100

106 29.6 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.299 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009519.D

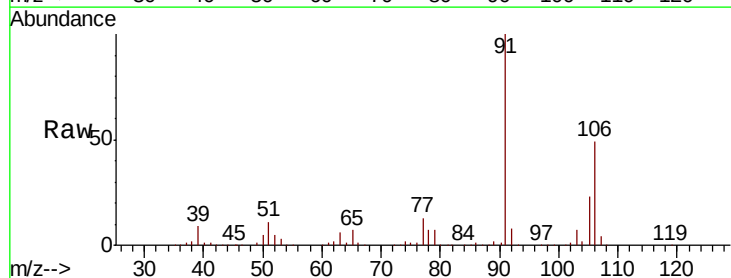
Acq: 11 May 2019 12:47

Tgt Ion:106 Resp: 139959

Ion Ratio Lower Upper

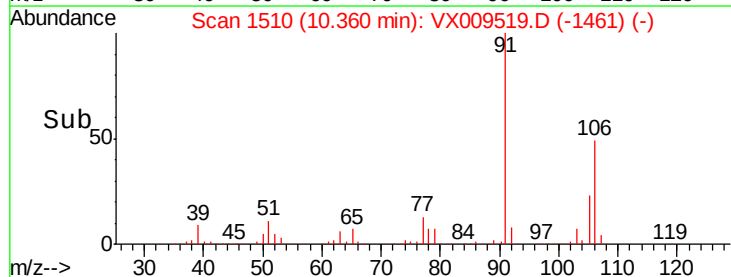
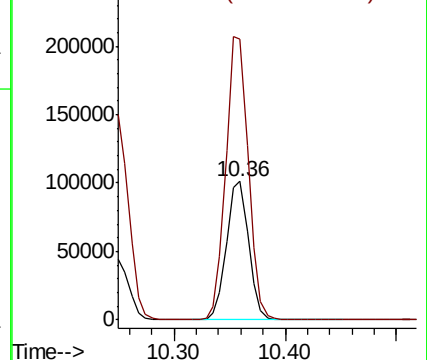
106 100

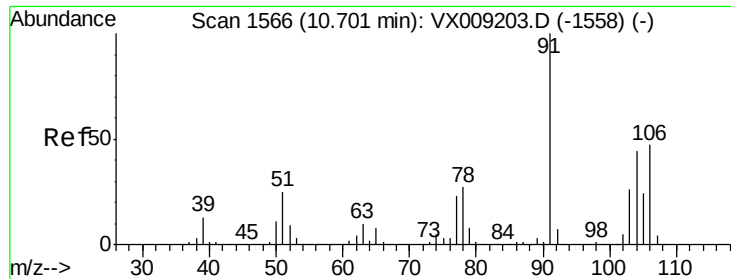
91 207.4 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

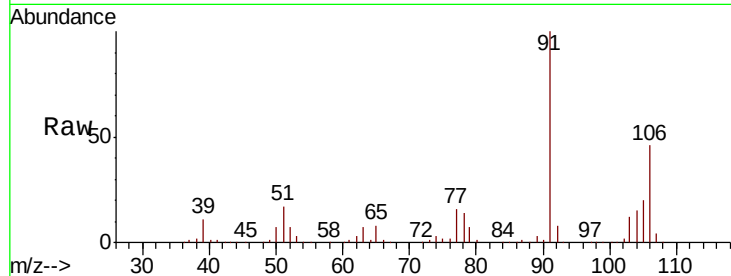




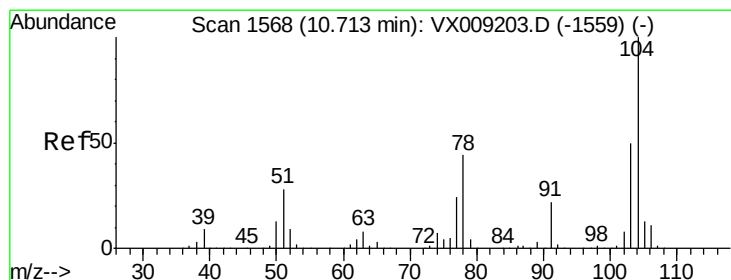
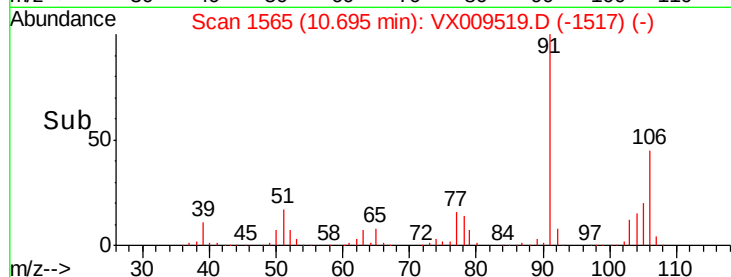
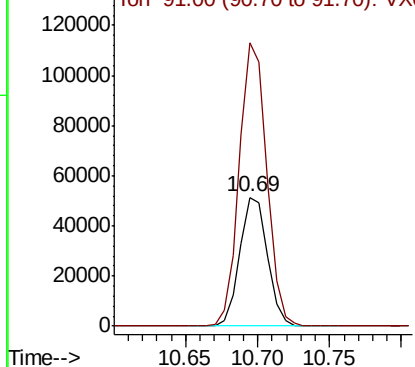
#69
o-Xylene
Concen: 22.554 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

Tot Ion:106 Resp: 68754
Ion Ratio Lower Upper
106 100
91 218.4 109.5 328.4

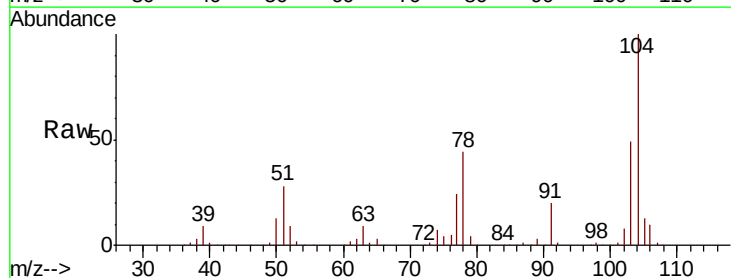


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

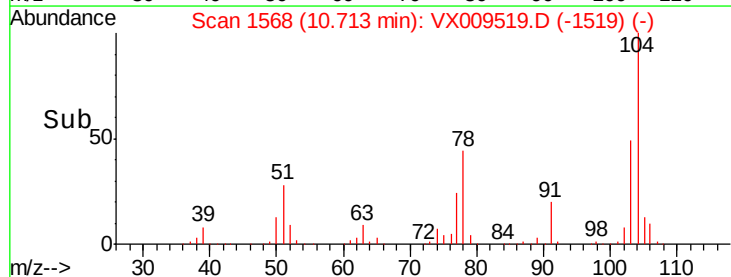
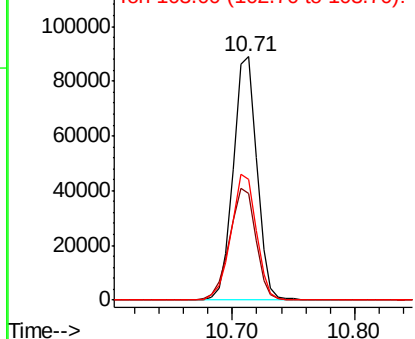


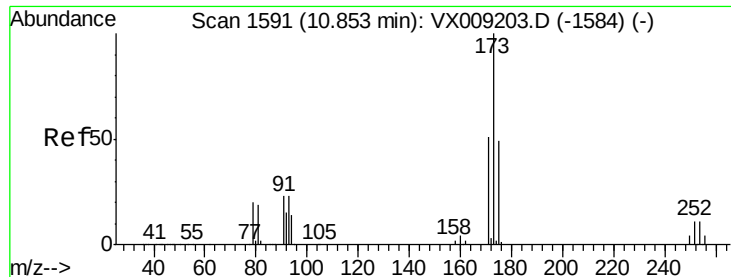
#70
Styrene
Concen: 22.289 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion:104 Resp: 118099
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 55.6 43.8 65.6



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





#71

Bromoform

Concen: 20.920 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

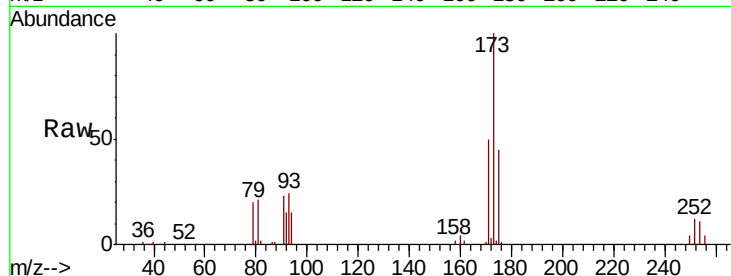
Tot Ion:173 Resp: 28316

Ion Ratio Lower Upper

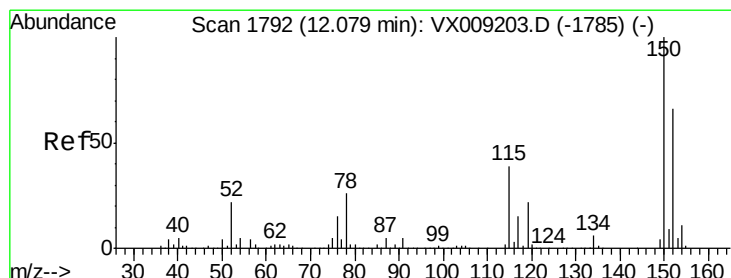
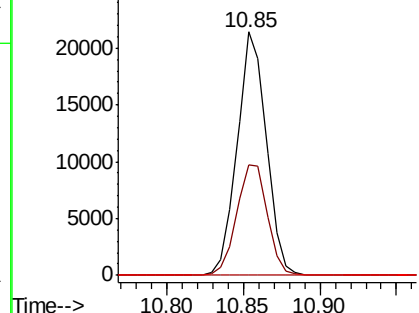
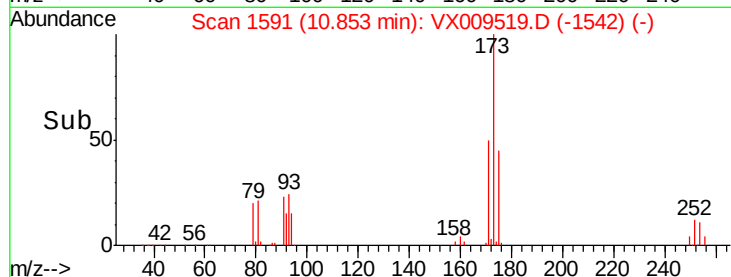
173 100

175 47.8 24.5 73.5

254 0.1 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: VX009519.D

Acq: 11 May 2019 12:47

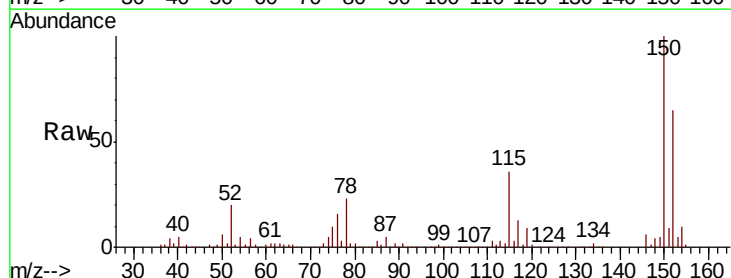
Tgt Ion:152 Resp: 112332

Ion Ratio Lower Upper

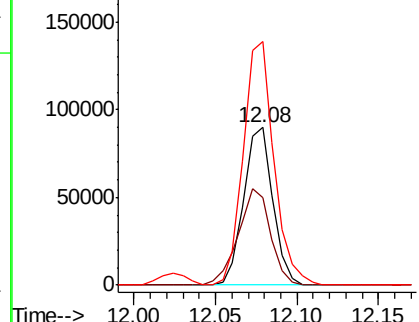
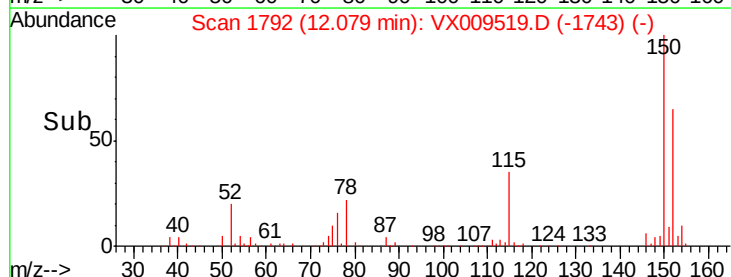
152 100

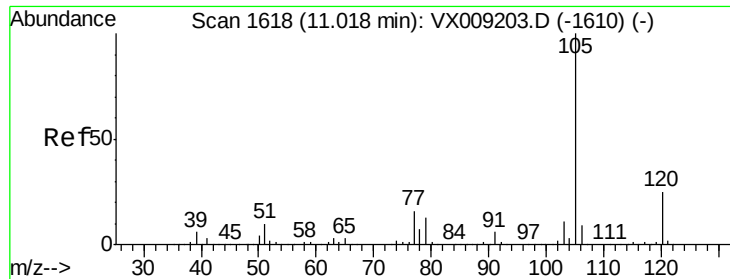
115 67.4 41.2 123.6

150 162.2 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: 22.363 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

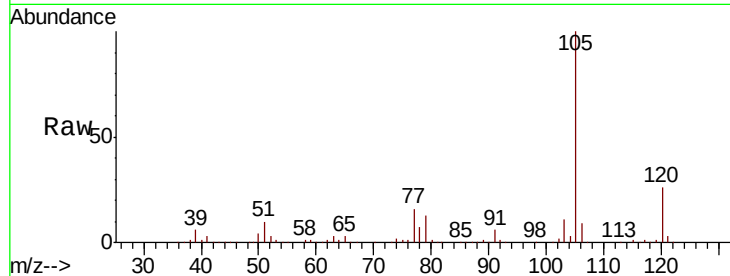
VX0511MBS01

Tot Ion:105 Resp: 182672

Ion Ratio Lower Upper

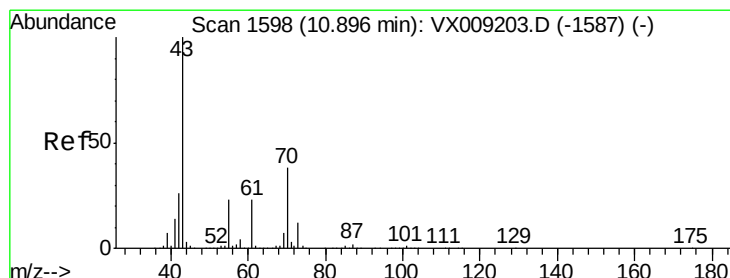
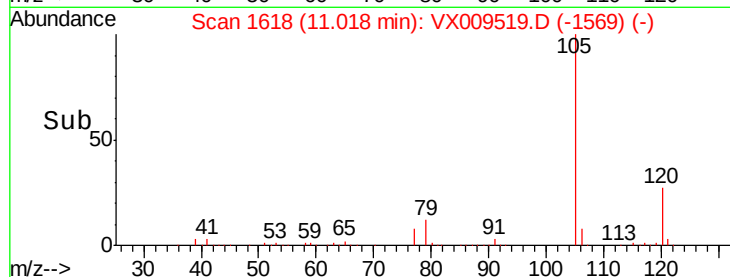
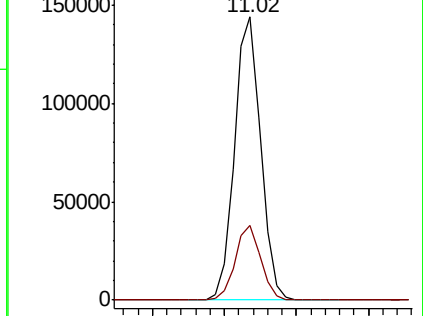
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.214 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion: 43 Resp: 105794

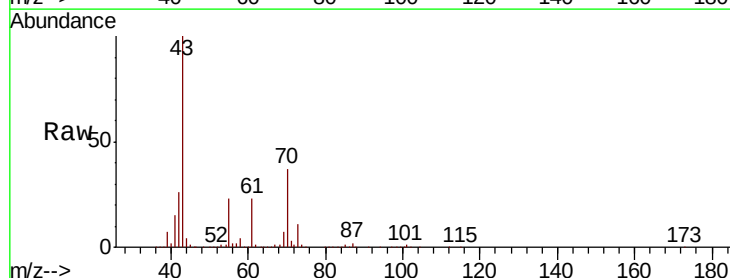
Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 22.9 17.9 26.9

61 22.7 18.4 27.6

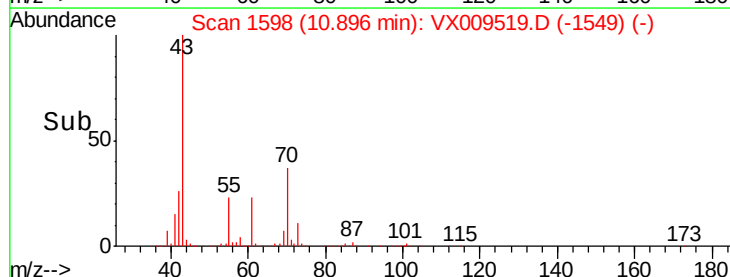
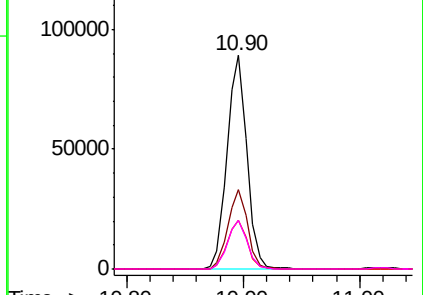


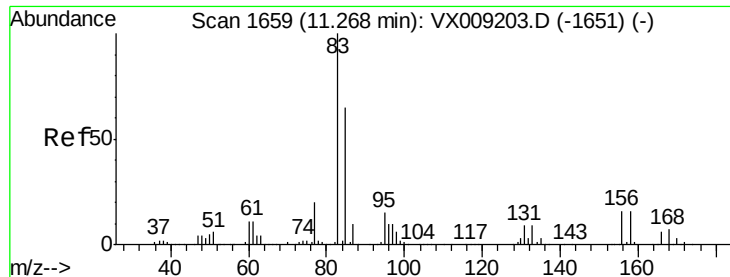
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

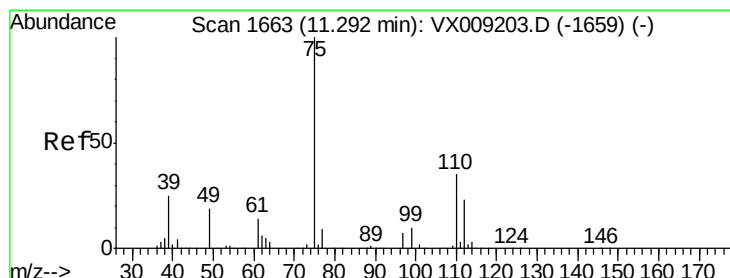
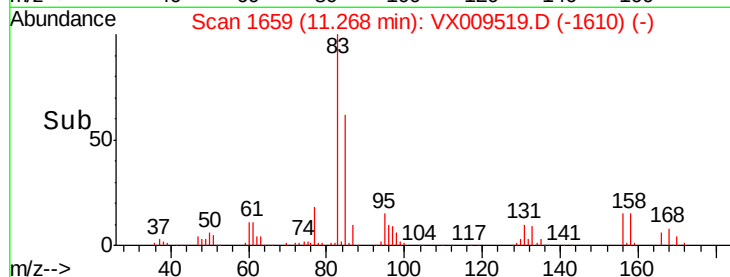
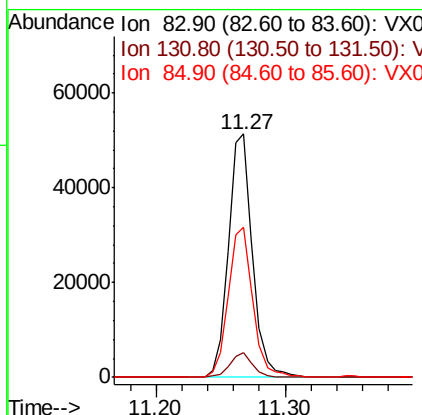
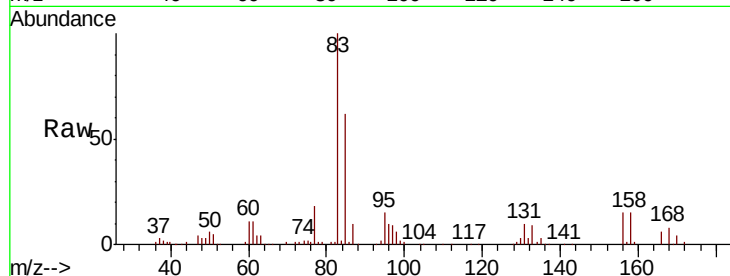




#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.050 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

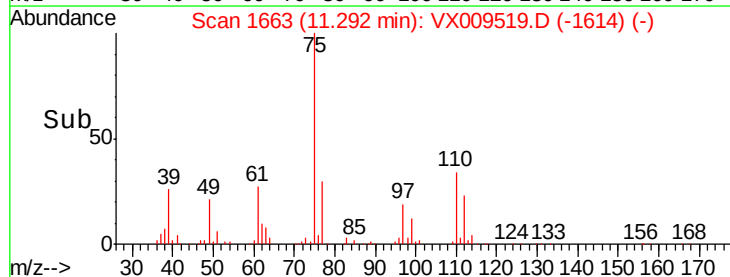
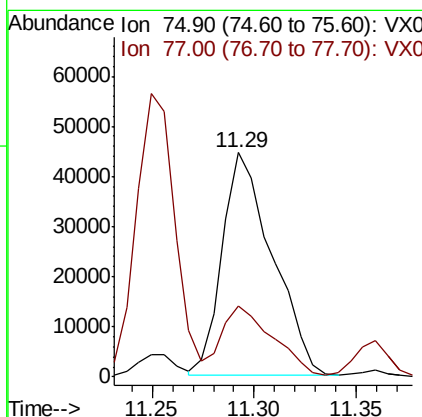
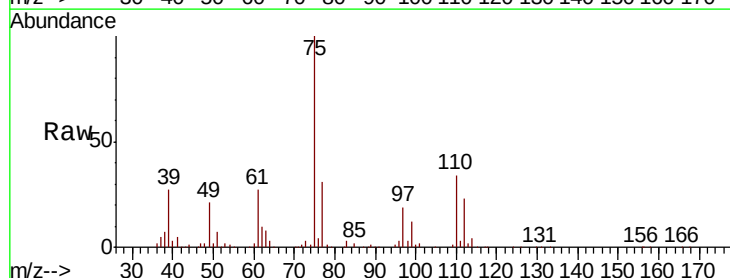
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

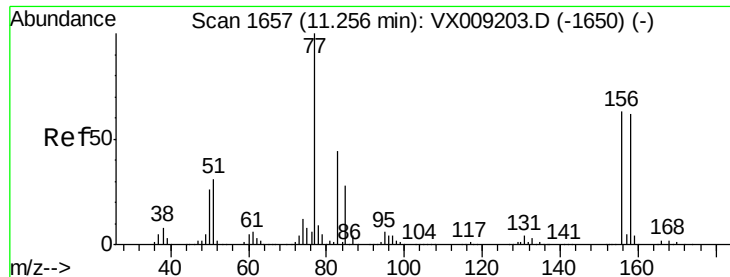
Tot Ion	83	Resp	67147
Ion Ratio	100		
Lower		4.6	
Upper		13.8	
85	63.1	32.0	96.2



#76
 1,2,3-Trichloropropane
 Concen: 29.112 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion	75	Resp	75857
Ion Ratio	100		
Lower		22.1	
Upper		66.1	
77	32.8		





#77

Bromobenzene

Concen: 22.192 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

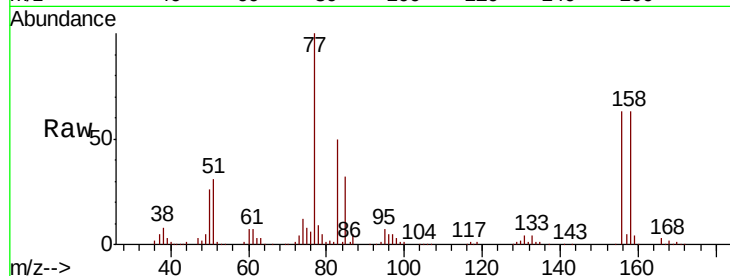
Tot Ion:156 Resp: 44995

Ion Ratio Lower Upper

156 100

77 166.1 84.8 254.3

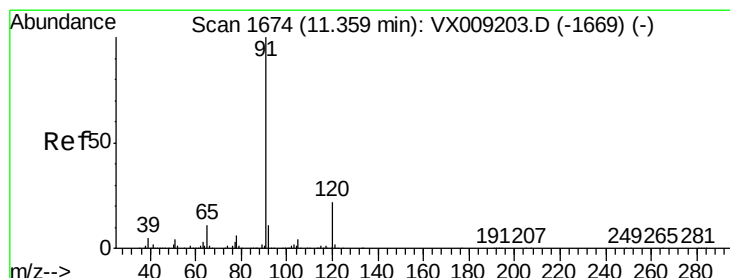
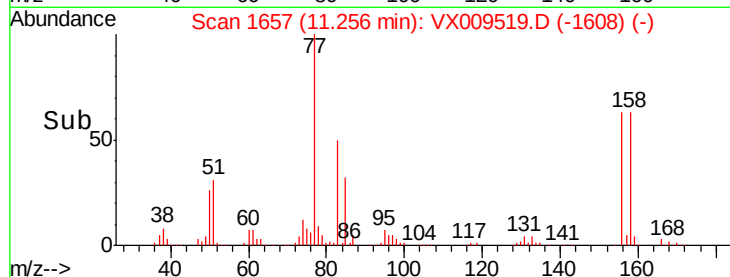
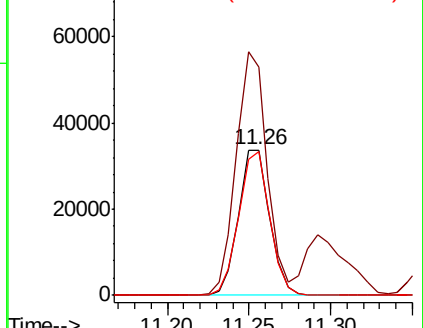
158 98.3 49.1 147.3



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: 22.298 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009519.D

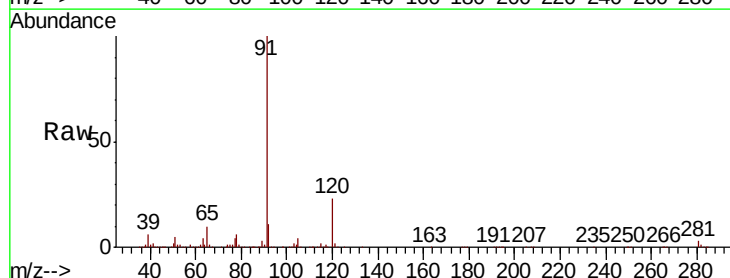
Acq: 11 May 2019 12:47

Tgt Ion: 91 Resp: 208018

Ion Ratio Lower Upper

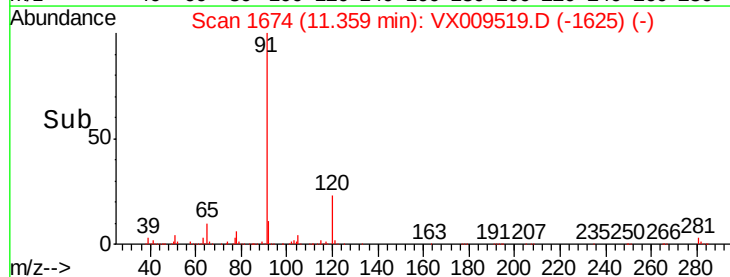
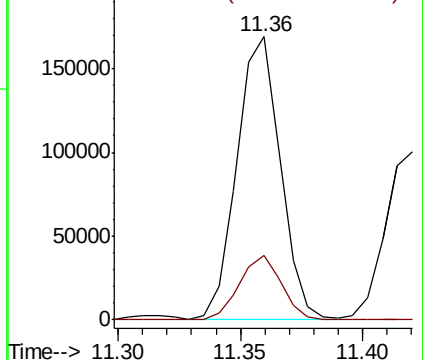
91 100

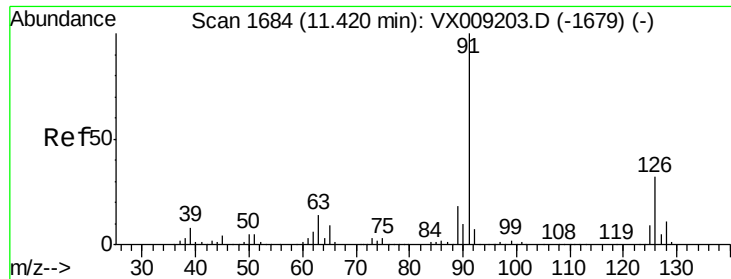
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

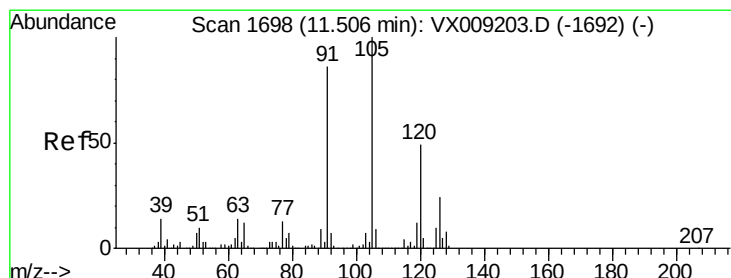
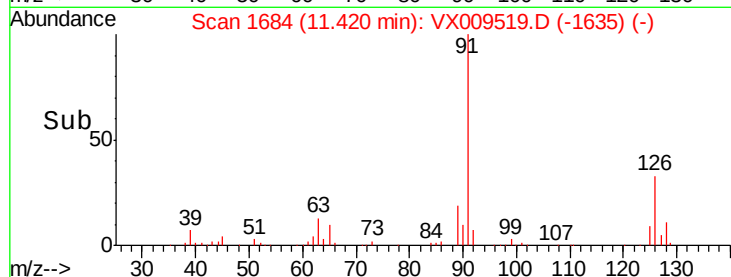
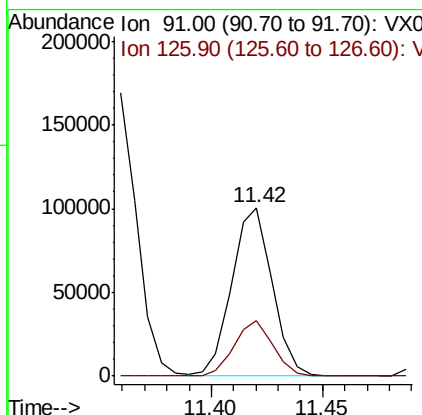
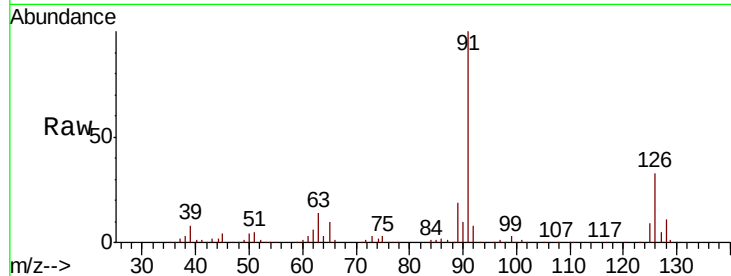




#79
 2-Chlorotoluene
 Concen: 21.944 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

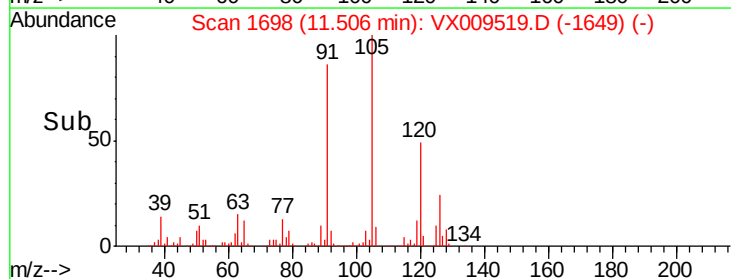
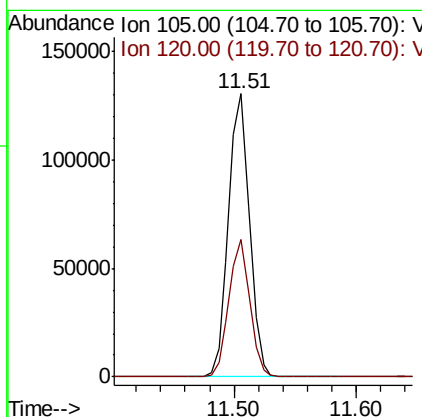
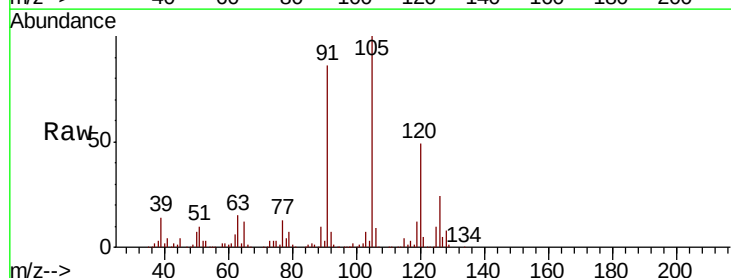
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

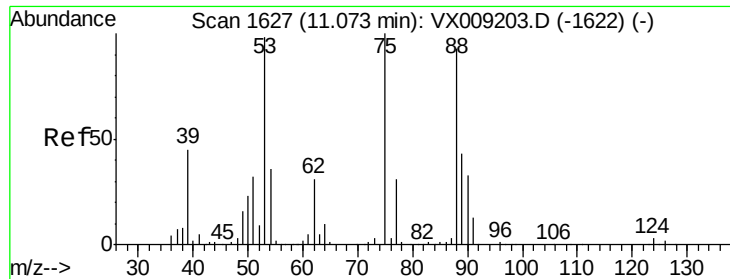
Tot Ion: 91 Resp: 126301
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 22.599 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:105 Resp: 155437
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9

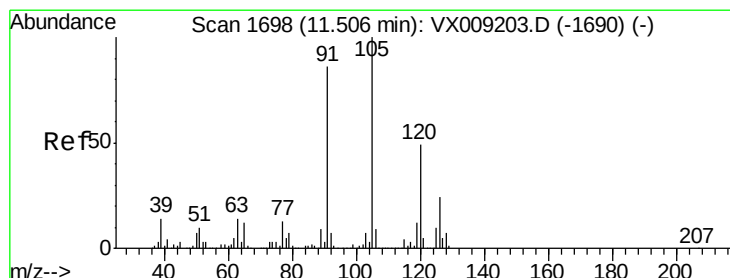
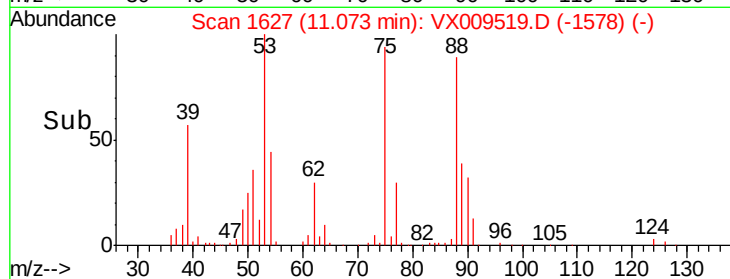
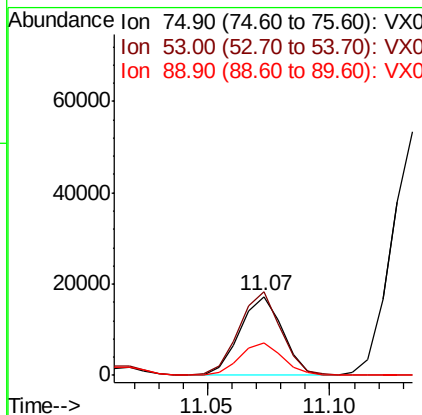
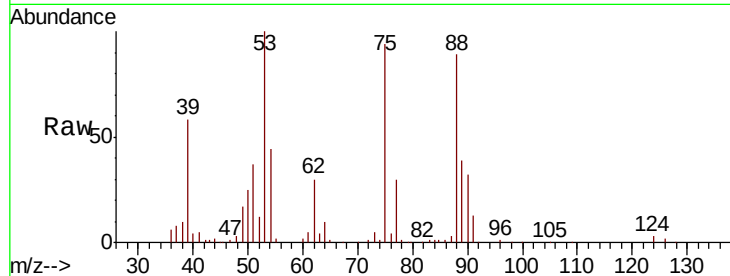




#81
trans-1,4-Dichloro-2-butene
Concen: 20.667 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

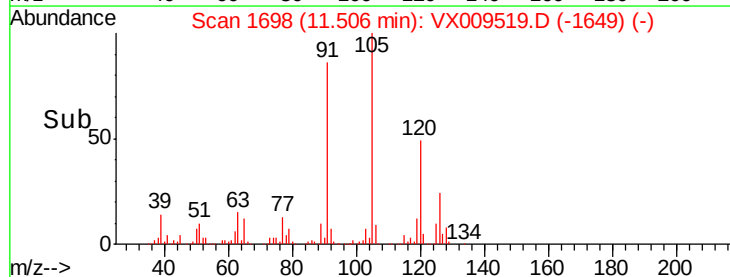
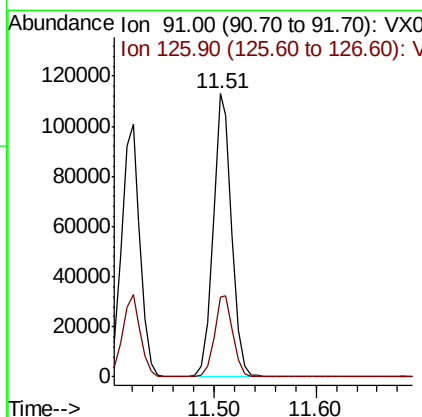
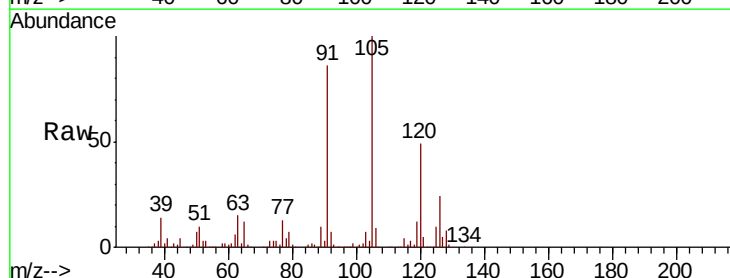
Instrument :
MSVOA_X
ClientSampleId :
VX0511MBS01

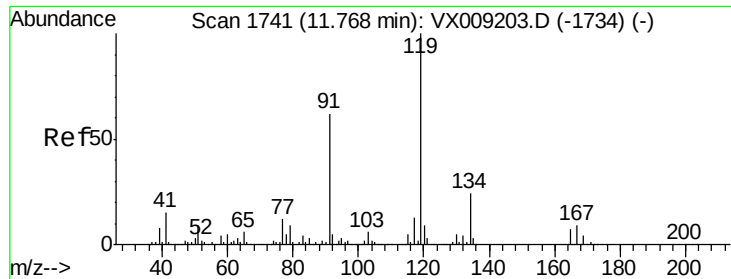
Tot Ion: 75 Resp: 21047
Ion Ratio Lower Upper
75 100
53 106.5 79.0 118.6
89 42.2 34.7 52.1



#82
4-Chlorotoluene
Concen: 21.970 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009519.D
Acq: 11 May 2019 12:47

Tgt Ion: 91 Resp: 142848
Ion Ratio Lower Upper
91 100
126 28.9 14.5 43.6

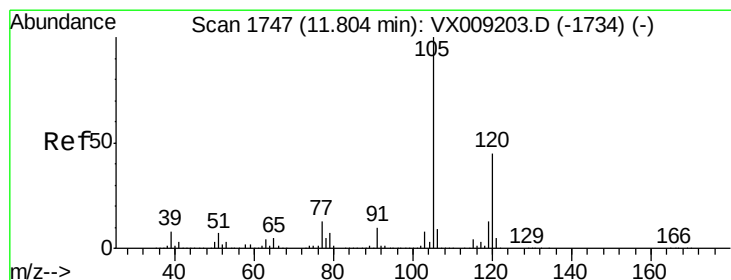
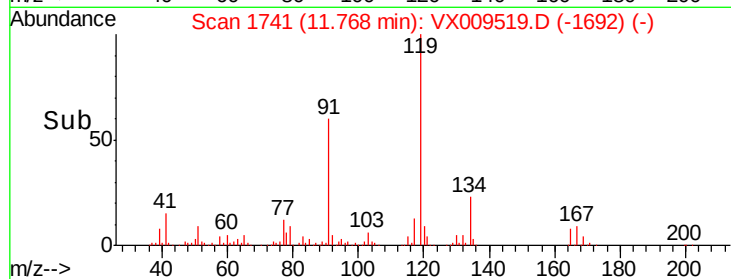
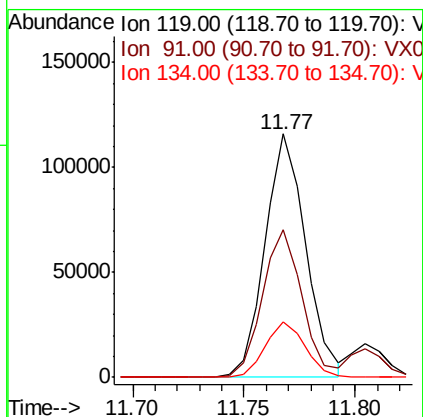
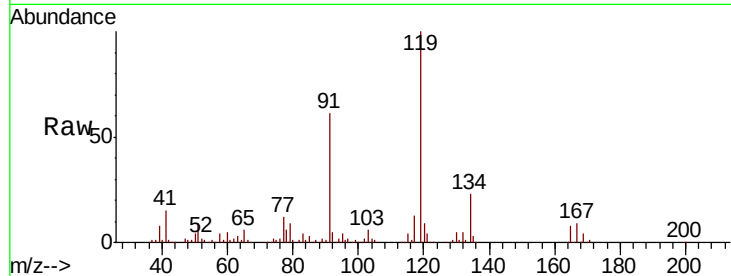




#83
 tert-Butylbenzene
 Concen: 21.988 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

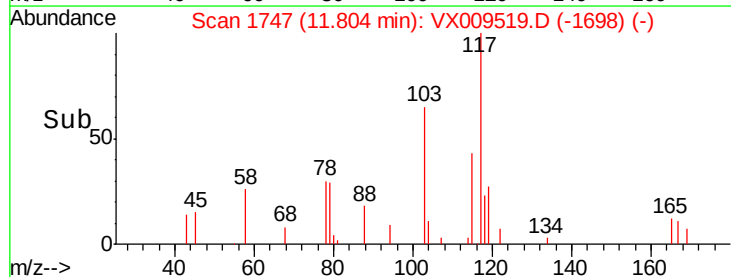
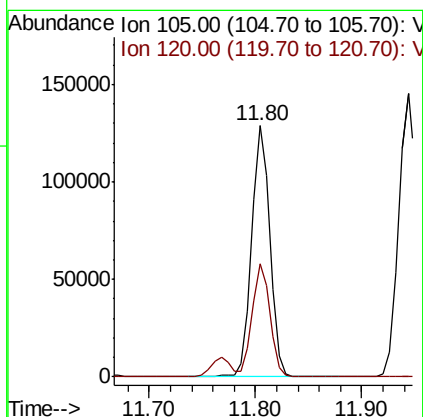
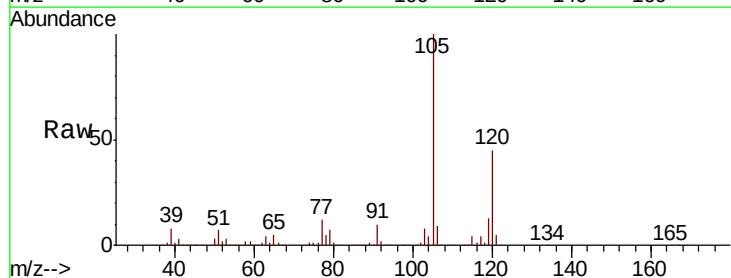
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

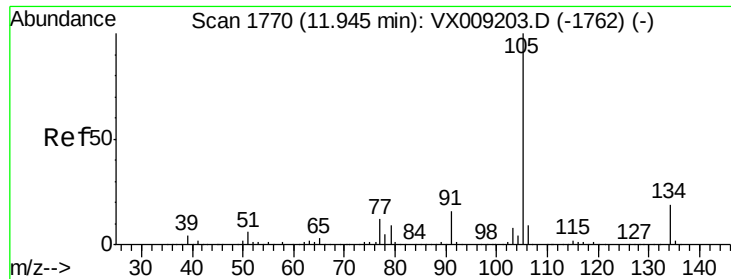
Tot Ion:119 Resp: 147118
 Ion Ratio Lower Upper
 119 100
 91 59.1 29.5 88.5
 134 22.6 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.546 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:105 Resp: 155651
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0





#85

sec-Butylbenzene

Concen: 22.158 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

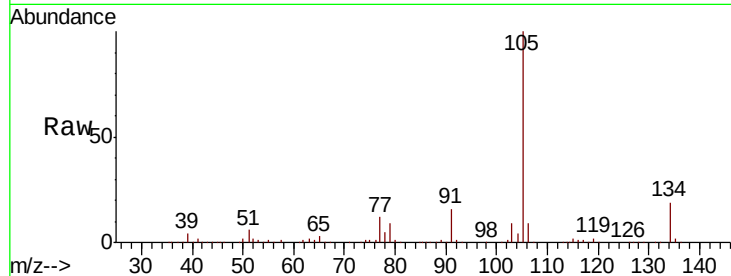
VX0511MBS01

Tot Ion:105 Resp: 175769

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

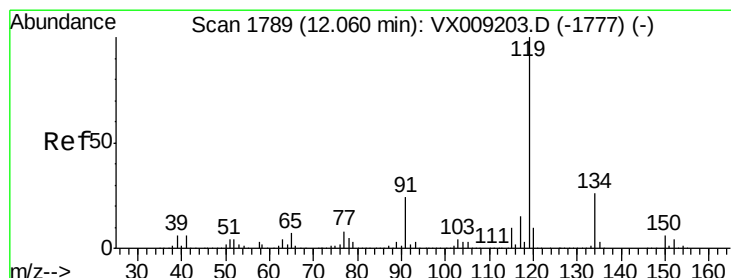
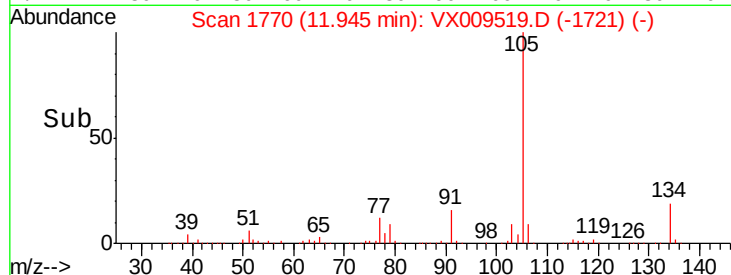
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.497 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

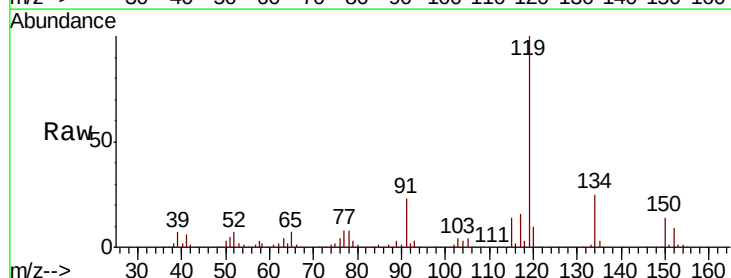
Tgt Ion:119 Resp: 160431

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

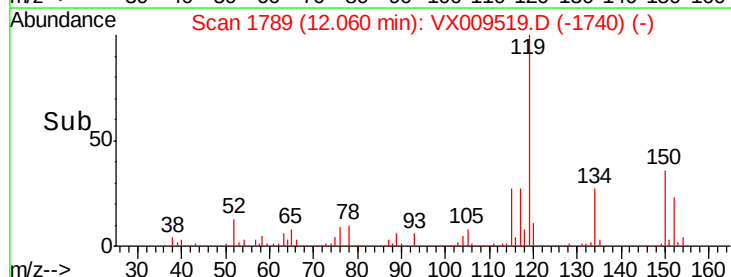
150000

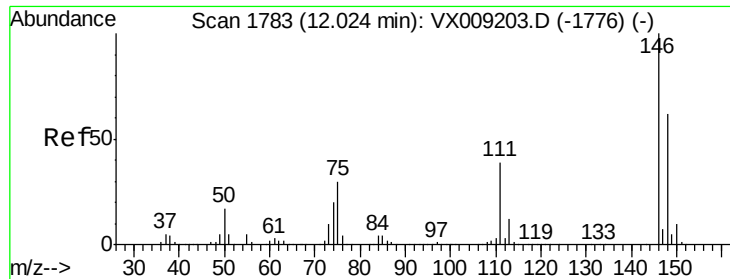
100000

50000

0

Time-->

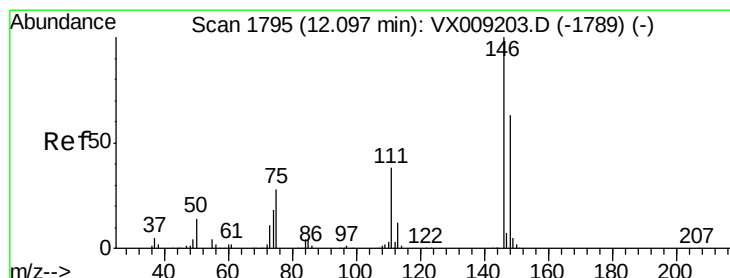
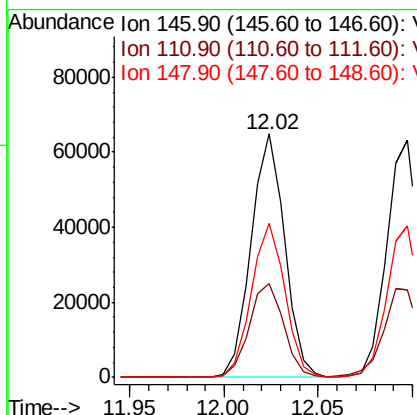
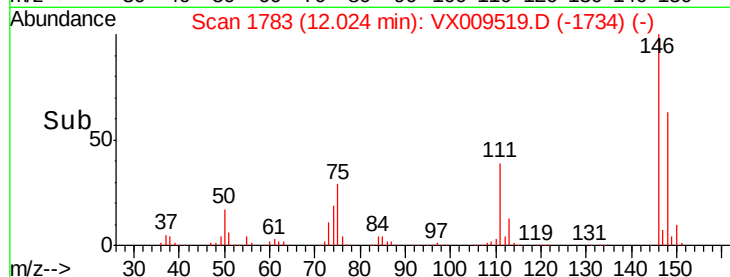
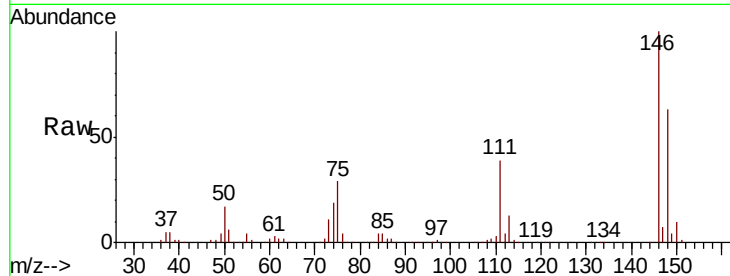




#87
 1,3-Dichlorobenzene
 Concen: 22.160 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

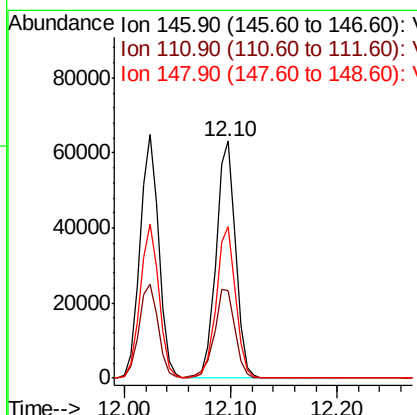
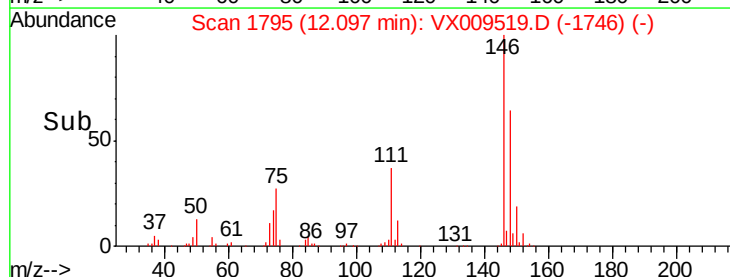
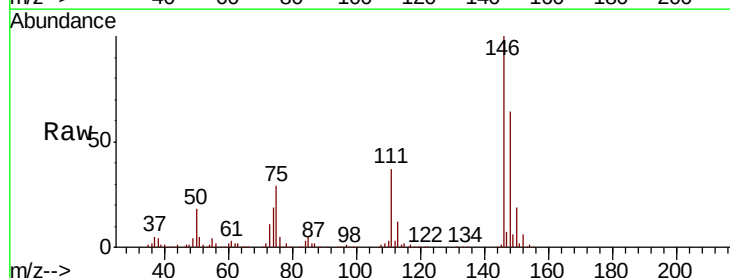
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

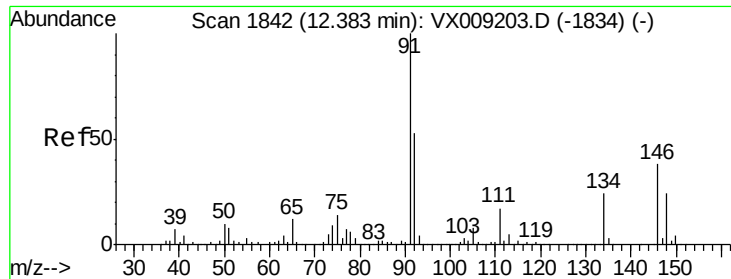
Tot Ion:146 Resp: 80094
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 63.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.781 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:146 Resp: 79369
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.6 58.8
 148 63.6 31.8 95.3





#89

n-Butylbenzene

Concen: 21.702 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

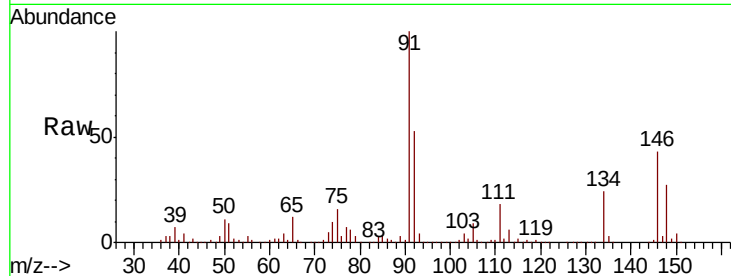
Tot Ion: 91 Resp: 139879

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.5

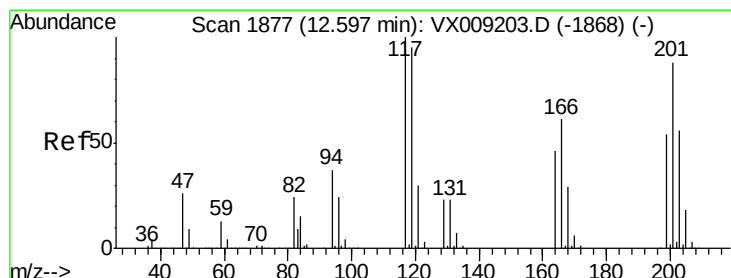
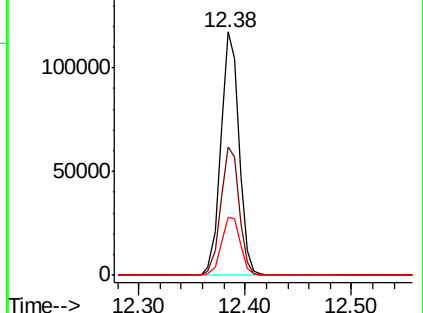
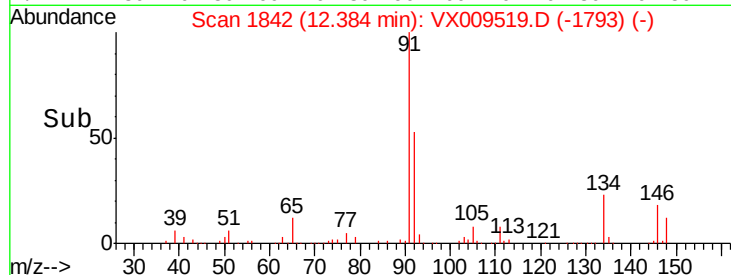
134 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.369 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009519.D

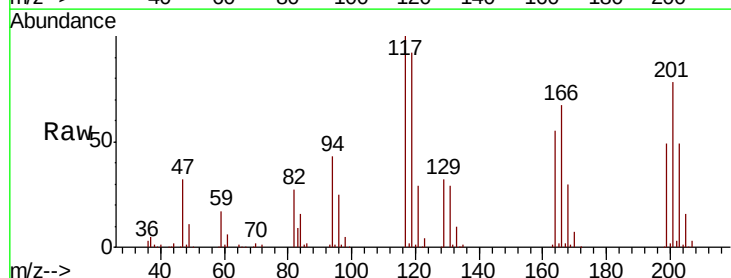
Acq: 11 May 2019 12:47

Tgt Ion: 117 Resp: 25962

Ion Ratio Lower Upper

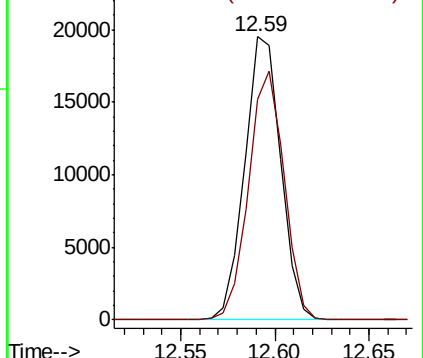
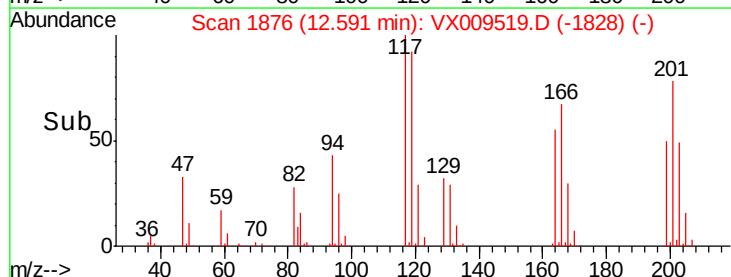
117 100

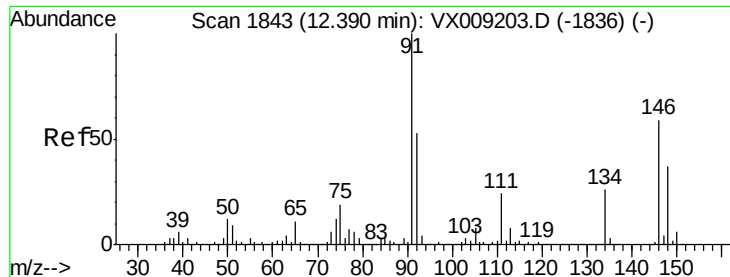
201 86.3 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.646 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

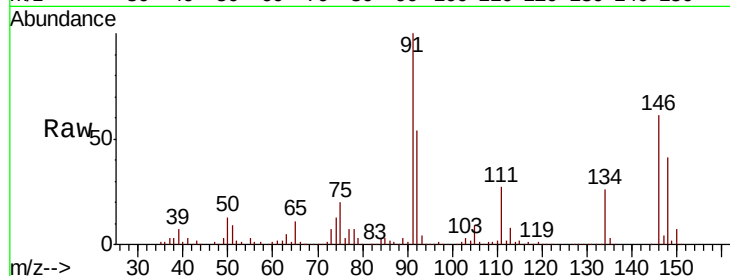
Tot Ion:146 Resp: 79686

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.4

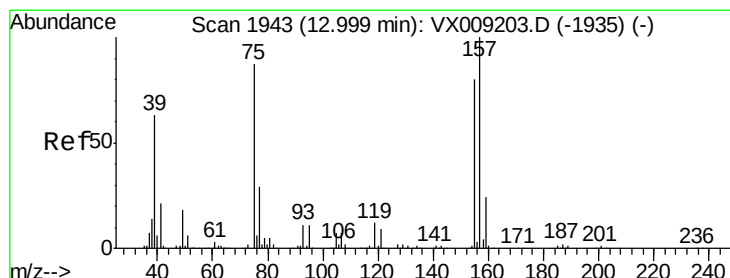
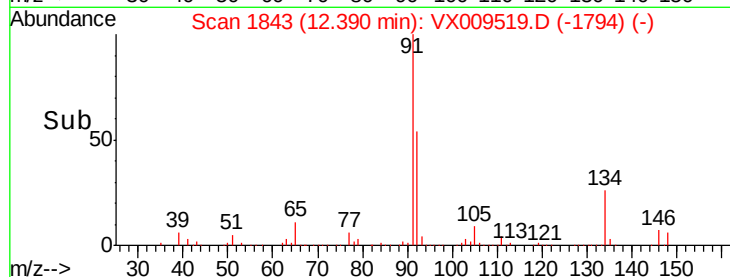
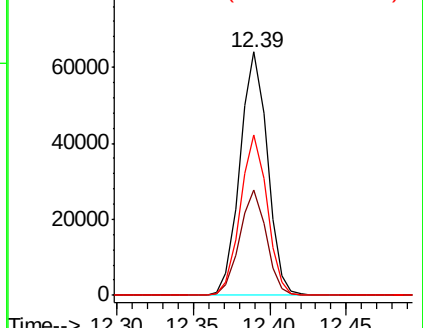
148 64.6 31.9 95.9



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: 22.302 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

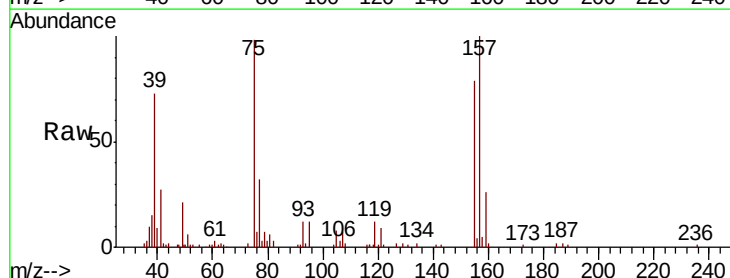
Tgt Ion: 75 Resp: 15235

Ion Ratio Lower Upper

75 100

155 81.9 42.0 126.0

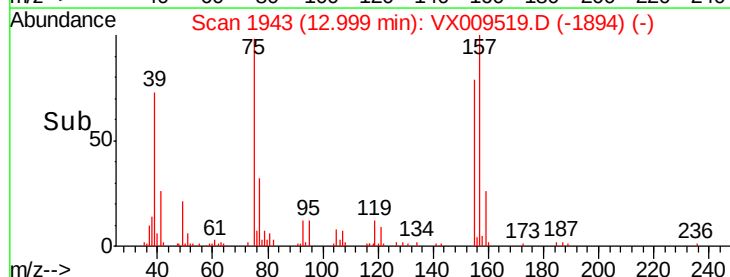
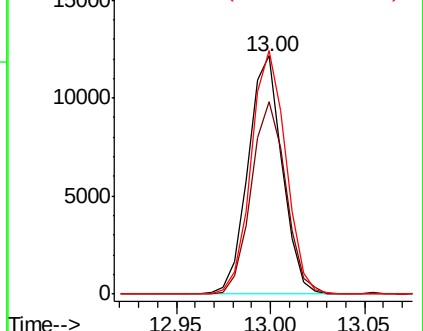
157 103.6 53.2 159.6

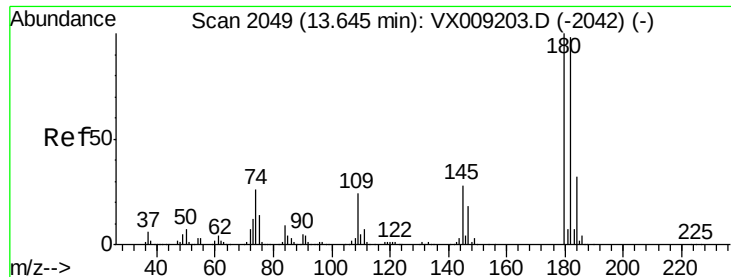


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

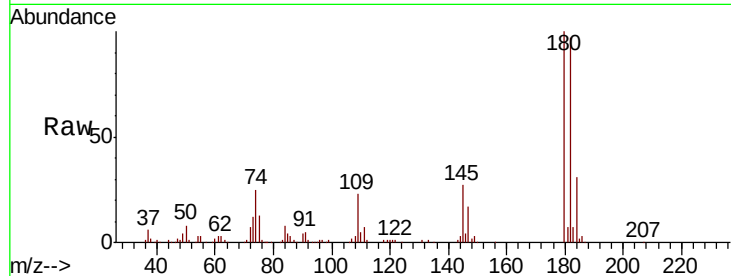




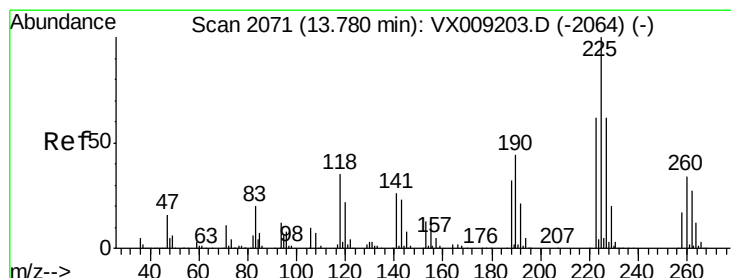
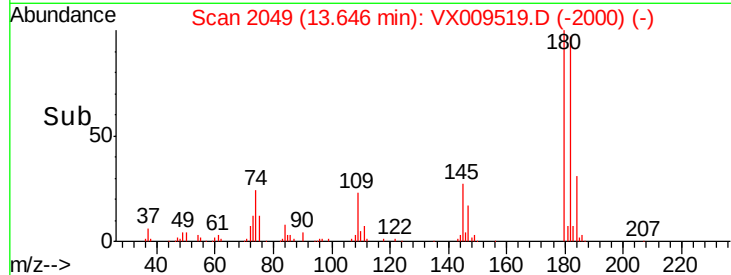
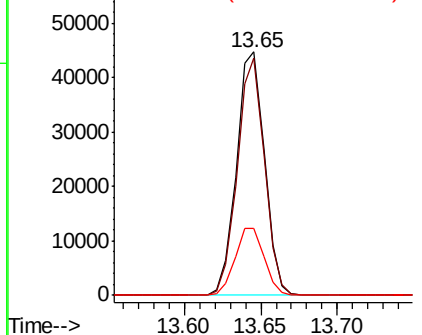
#93
 1,2,4-Trichlorobenzene
 Concen: 22.518 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tot Ion:180 Resp: 56689
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.4 145.2
 145 28.6 14.6 43.8

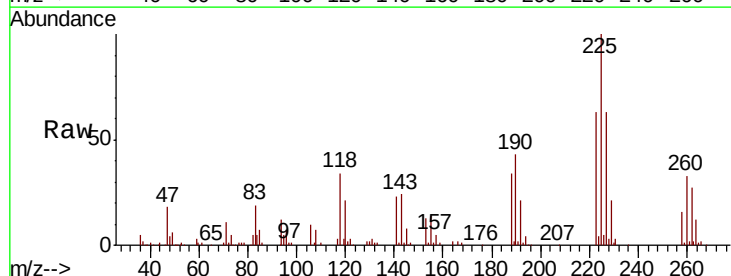


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

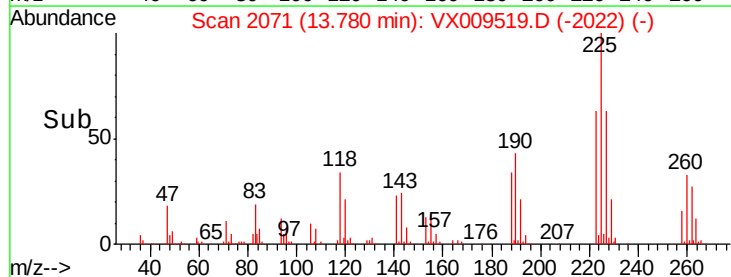
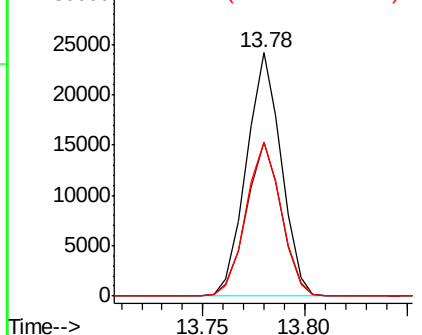


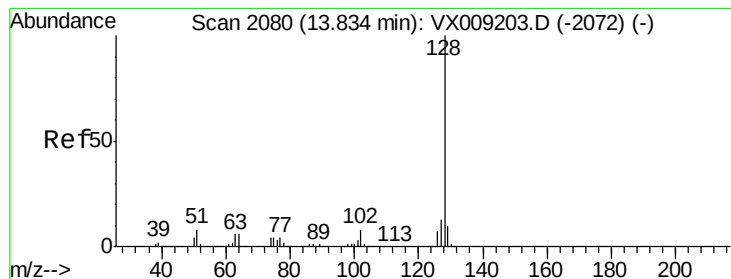
#94
 Hexachlorobutadiene
 Concen: 22.313 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009519.D
 Acq: 11 May 2019 12:47

Tgt Ion:225 Resp: 28685
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.3 93.8
 227 64.2 31.8 95.3



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





#95

Naphthalene

Concen: 22.657 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Instrument :

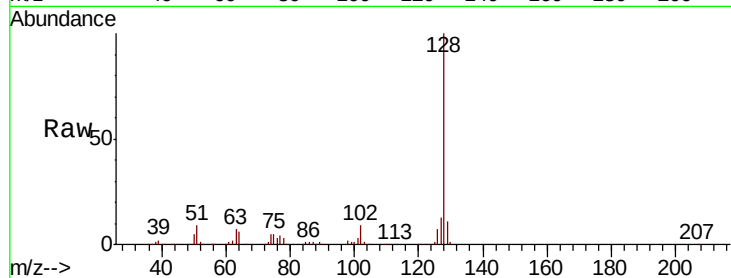
MSVOA_X

ClientSampleId :

VX0511MBS01

Tot Ion:128 Resp: 185567

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

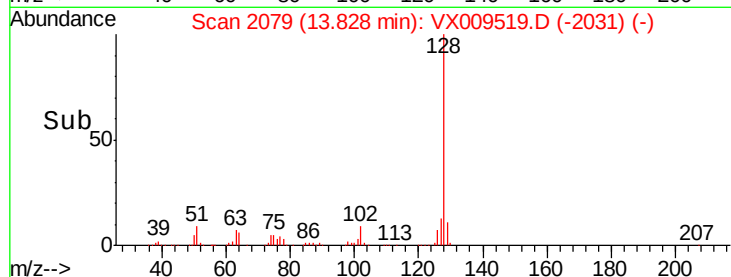
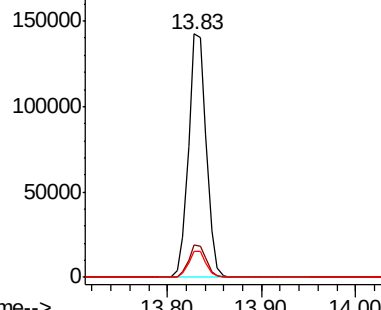


Abundance

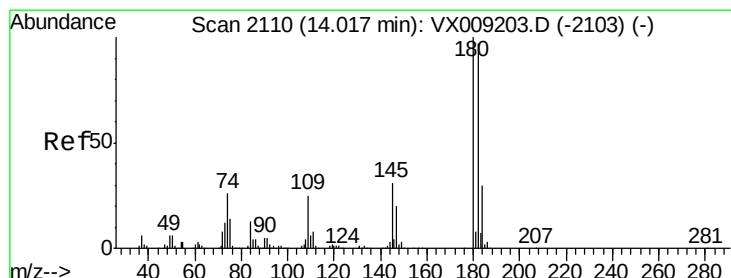
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 22.980 ug/l

RT: 14.02 min Scan# 2110

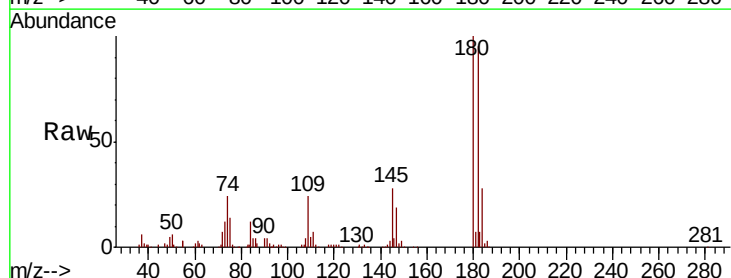
Delta R.T. 0.00 min

Lab File: VX009519.D

Acq: 11 May 2019 12:47

Tgt Ion:180 Resp: 58643

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.4
145	29.6	15.4	46.4

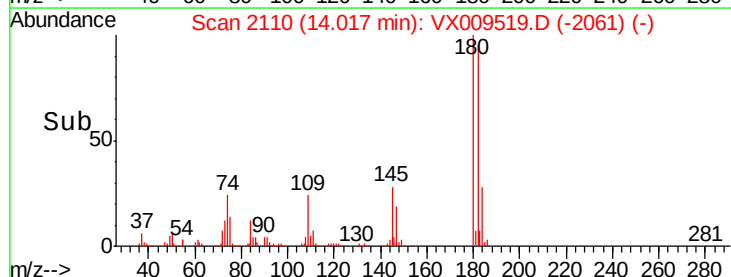
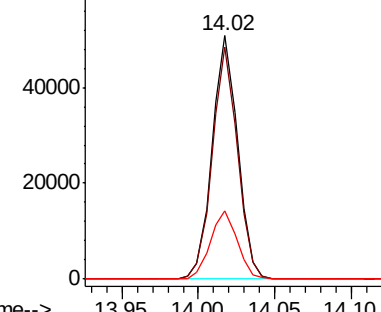


Abundance

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



Time-->