

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009535.D
 Acq On : 13 May 2019 12:02
 Operator : JC/SP
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Quant Time: May 14 03:42:27 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	173829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109039	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	5.49	113	81174	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	8.71	98	327572	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.13	95	120134	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29572	18.461	ug/l	99
3) Chloromethane	1.32	50	43973	20.107	ug/l	99
4) Vinyl Chloride	1.41	62	41570	19.493	ug/l	94
5) Bromomethane	1.64	94	27001	21.095	ug/l	95
6) Chloroethane	1.72	64	27225	19.884	ug/l	100
7) Trichlorofluoromethane	1.93	101	53455	20.621	ug/l	96
8) Diethyl Ether	2.18	74	24308	19.797	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33524	20.594	ug/l	98
10) Methyl Iodide	2.51	142	36020	21.888	ug/l	100
11) Tert butyl alcohol	3.04	59	51548	93.846	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32763	20.087	ug/l	96
13) Acrolein	2.29	56	39978	80.366	ug/l	100
14) Allyl chloride	2.73	41	78658	19.789	ug/l	99
15) Acrylonitrile	3.14	53	129912	96.730	ug/l	100
16) Acetone	2.44	43	125145	98.215	ug/l	99
17) Carbon Disulfide	2.57	76	94576	20.653	ug/l	98
18) Methyl Acetate	2.77	43	56002	18.481	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	127543	20.137	ug/l	100
20) Methylene Chloride	2.85	84	40625	19.691	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36709	20.753	ug/l	99
22) Diisopropyl ether	3.85	45	154013	20.148	ug/l	89
23) Vinyl Acetate	3.81	43	678527	103.661	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75983	20.150	ug/l	99
25) 2-Butanone	4.67	43	194292	98.124	ug/l	99
26) 2,2-Dichloropropane	4.59	77	57055	20.327	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43509	20.608	ug/l	97
28) Bromochloromethane	5.01	49	26589	15.632	ug/l	99
29) Tetrahydrofuran	5.12	42	124773	97.926	ug/l	100
30) Chloroform	5.21	83	68853	20.188	ug/l	98
31) Cyclohexane	5.57	56	73607	20.981	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	57949	20.411	ug/l	100
36) 1,1-Dichloropropene	5.79	75	54533	21.655	ug/l	99
37) Ethyl Acetate	4.82	43	71628	20.414	ug/l	99
38) Carbon Tetrachloride	5.78	117	48252	21.089	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0513WBS01

Quant Time: May 14 03:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67359	21.780	ug/l	99
40) Benzene	6.14	78	163297	20.952	ug/l	98
41) Methacrylonitrile	5.03	41	40907	19.585	ug/l	98
42) 1,2-Dichloroethane	6.18	62	59698	21.353	ug/l	99
43) Isopropyl Acetate	6.44	43	113532	20.229	ug/l	100
44) Trichloroethene	7.21	130	39031	20.715	ug/l	96
45) 1,2-Dichloropropane	7.51	63	46435	21.041	ug/l	98
46) Dibromomethane	7.66	93	26410	20.608	ug/l	97
47) Bromodichloromethane	7.90	83	53131	20.784	ug/l	96
48) Methyl methacrylate	7.76	41	57779	20.750	ug/l	98
49) 1,4-Dioxane	7.73	88	22289	394.715	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	374009	101.954	ug/l	100
52) Toluene	8.78	92	100162	21.142	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60392	20.925	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	67466	21.119	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40845	21.132	ug/l	98
56) Ethyl methacrylate	9.18	69	70708	20.494	ug/l	100
57) 1,3-Dichloropropane	9.37	76	70803	20.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	166717	91.087	ug/l	100
59) 2-Hexanone	9.49	43	288319	100.072	ug/l	99
60) Dibromochloromethane	9.58	129	39750	21.057	ug/l	99
61) 1,2-Dibromoethane	9.67	107	41079	21.055	ug/l	100
64) Tetrachloroethene	9.34	164	37221	22.274	ug/l	99
65) Chlorobenzene	10.13	112	102823	21.100	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	37136	21.019	ug/l	99
67) Ethyl Benzene	10.25	91	193381	21.562	ug/l	99
68) m/p-Xylenes	10.35	106	141960	43.315	ug/l	99
69) o-Xylene	10.69	106	67586	20.901	ug/l	99
70) Styrene	10.71	104	118396	21.066	ug/l	99
71) Bromoform	10.85	173	29896	20.823	ug/l #	98
73) Isopropylbenzene	11.02	105	184895	20.823	ug/l	100
74) N-amyl acetate	10.90	43	100603	19.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	64532	19.496	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74676	26.365	ug/l	82
77) Bromobenzene	11.25	156	45708	20.740	ug/l	98
78) n-propylbenzene	11.36	91	214873	21.189	ug/l	100
79) 2-Chlorotoluene	11.42	91	126098	20.156	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	157217	21.029	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21410	19.341	ug/l	97
82) 4-Chlorotoluene	11.51	91	146623	20.745	ug/l	99
83) tert-Butylbenzene	11.77	119	150862	20.743	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	158024	21.058	ug/l	98
85) sec-Butylbenzene	11.94	105	180838	20.972	ug/l	99
86) p-Isopropyltoluene	12.06	119	166375	21.463	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	81840	20.831	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	81852	20.665	ug/l	99
89) n-Butylbenzene	12.38	91	149347	21.316	ug/l	100
90) Hexachloroethane	12.59	117	27030	20.467	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	81368	20.334	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14796	19.926	ug/l	99

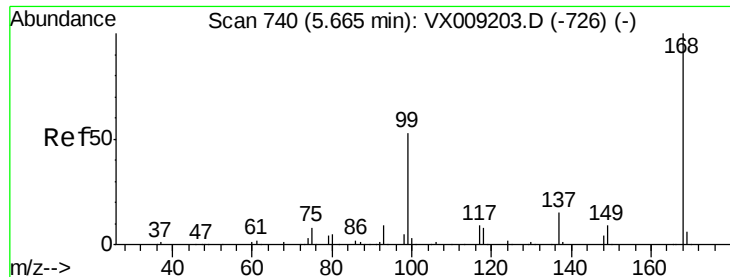
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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Quant Time: May 14 03:42:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59220	21.641	ug/l	99
94) Hexachlorobutadiene	13.78	225	30458	21.796	ug/l	99
95) Naphthalene	13.83	128	185535	20.840	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	60307	21.741	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

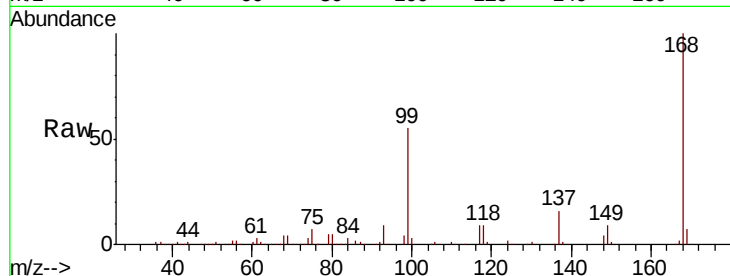
VX0513WBS01

Tot Ion:168 Resp: 173829

Ion Ratio Lower Upper

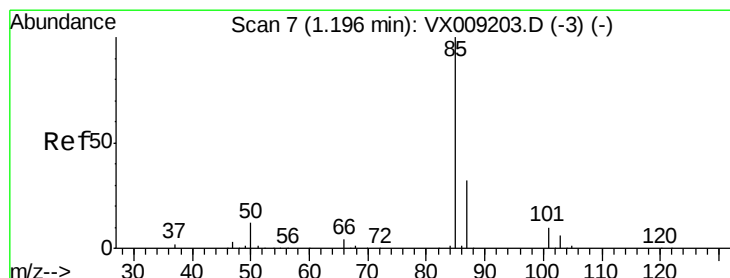
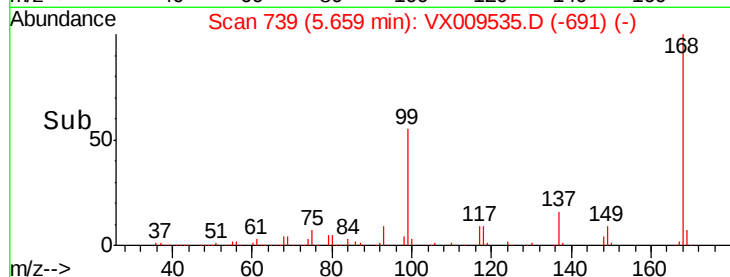
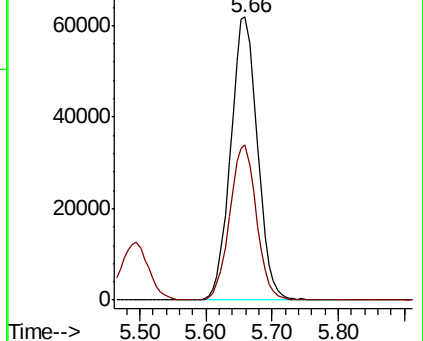
168 100

99 55.0 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: 18.461 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009535.D

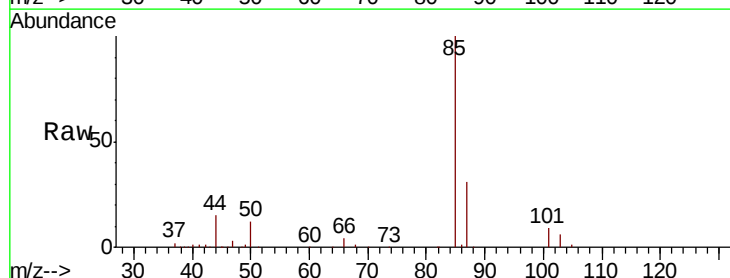
Acq: 13 May 2019 12:02

Tgt Ion: 85 Resp: 29572

Ion Ratio Lower Upper

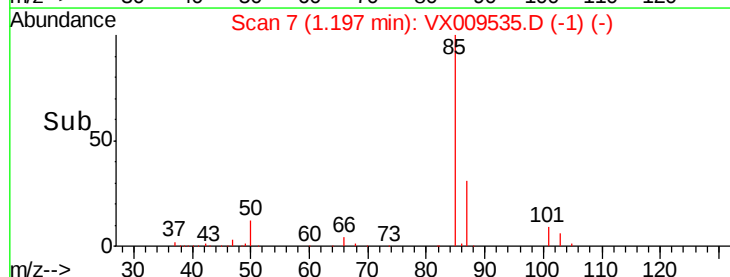
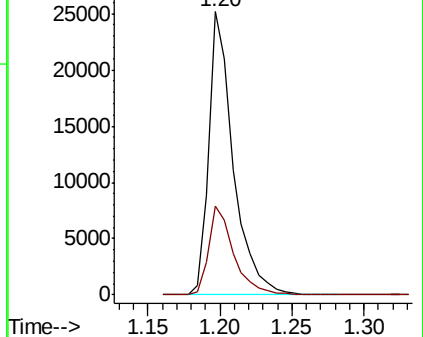
85 100

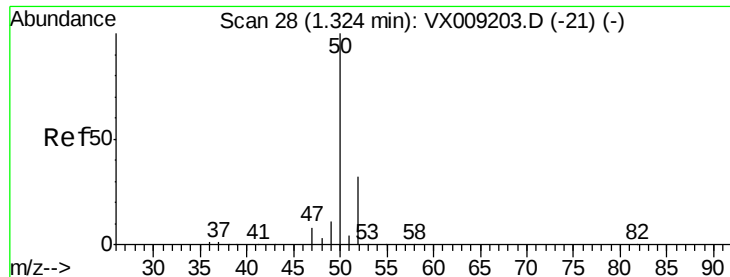
87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.107 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

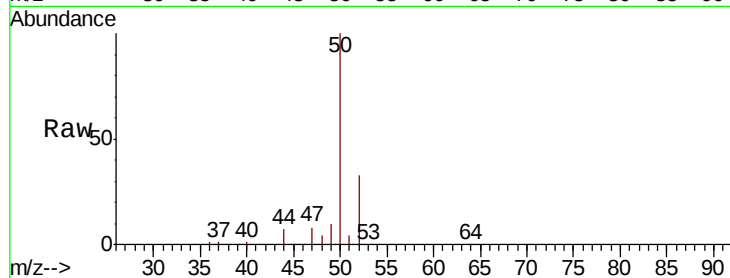
VX0513WBS01

Tot Ion: 50 Resp: 43973

Ion Ratio Lower Upper

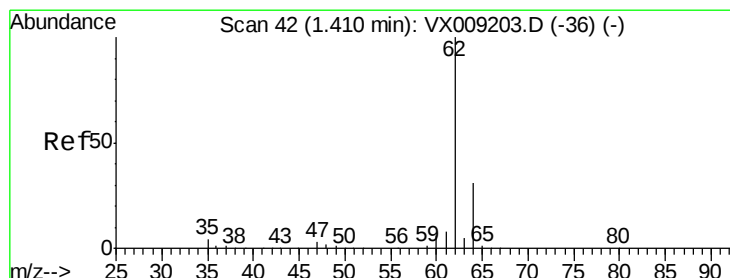
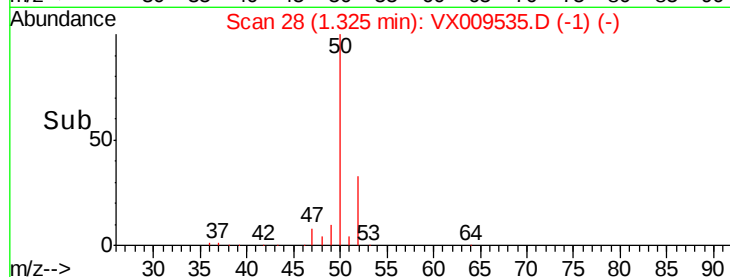
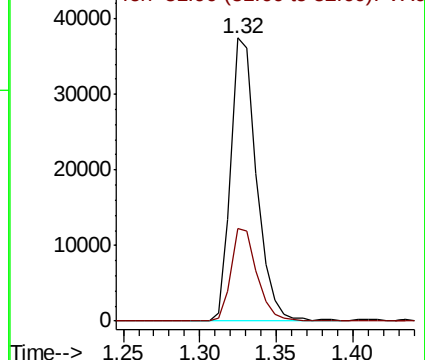
50 100

52 32.7 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: 19.493 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009535.D

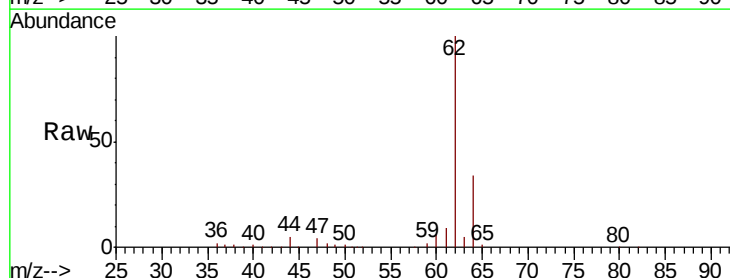
Acq: 13 May 2019 12:02

Tgt Ion: 62 Resp: 41570

Ion Ratio Lower Upper

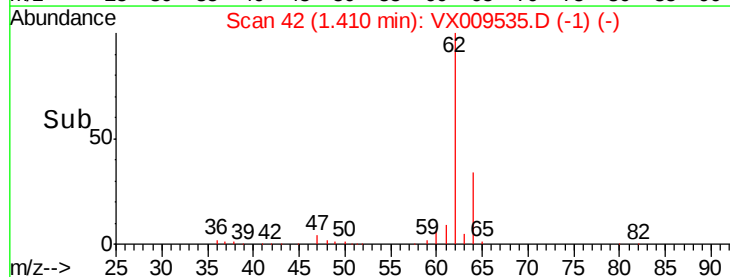
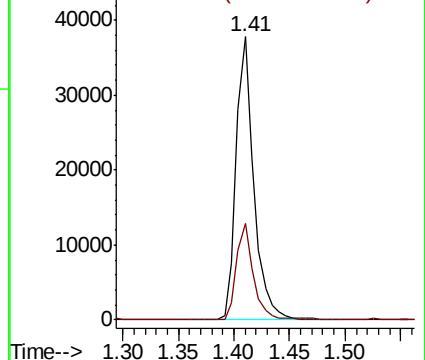
62 100

64 33.9 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: 21.095 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

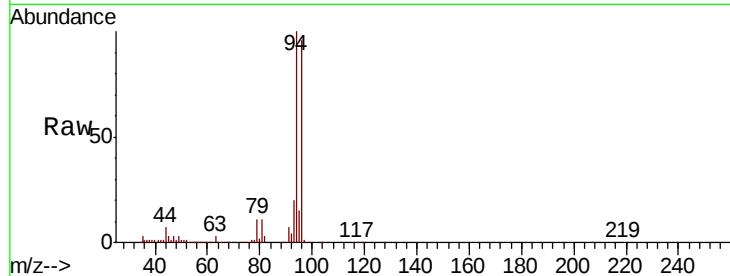
VX0513WBS01

Tot Ion: 94 Resp: 27001

Ion Ratio Lower Upper

94 100

96 96.0 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

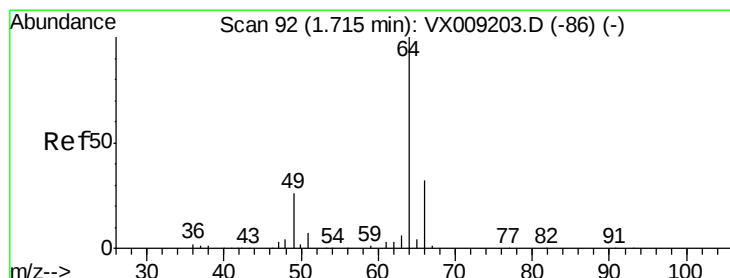
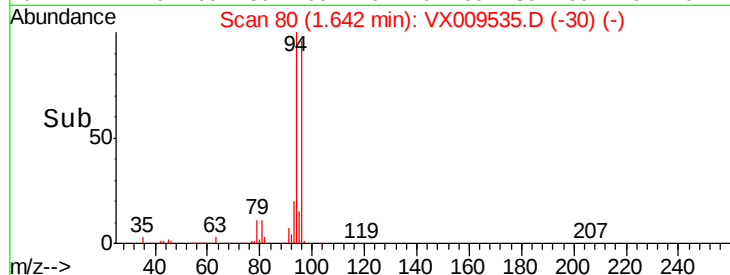
10000

5000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 19.884 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009535.D

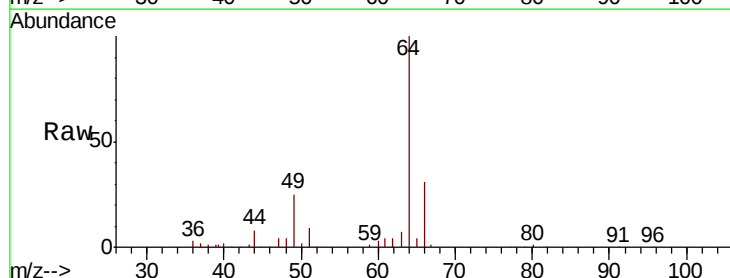
Acq: 13 May 2019 12:02

Tgt Ion: 64 Resp: 27225

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

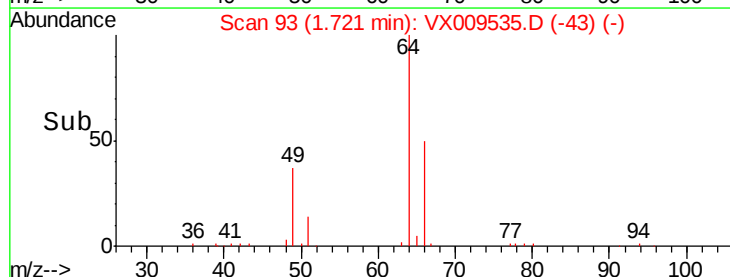
10000

5000

0

Time-->

1.65 1.70 1.75 1.80 1.85



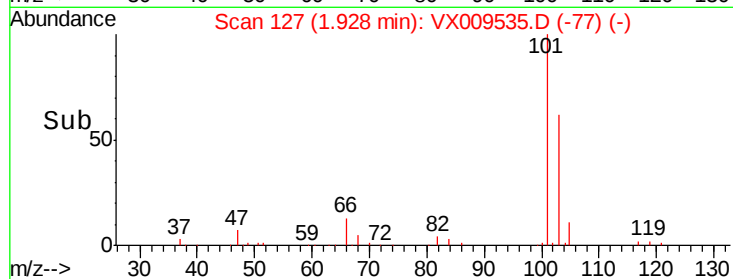
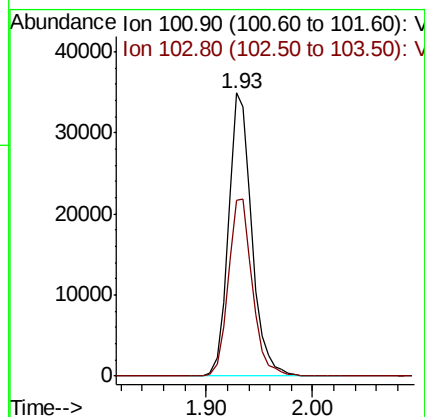
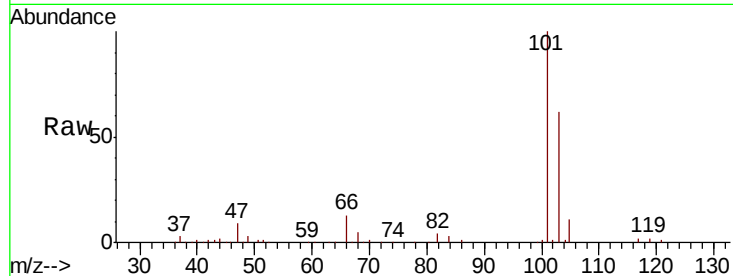


#7

Trichlorofluoromethane
 Concen: 20.621 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

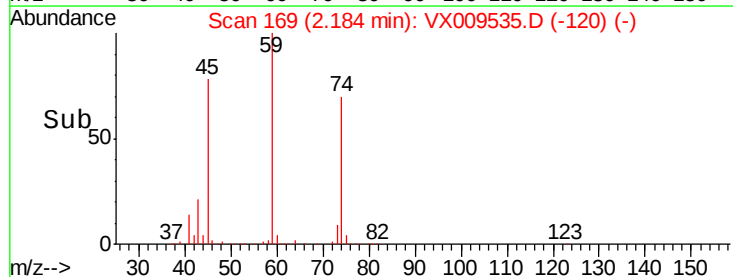
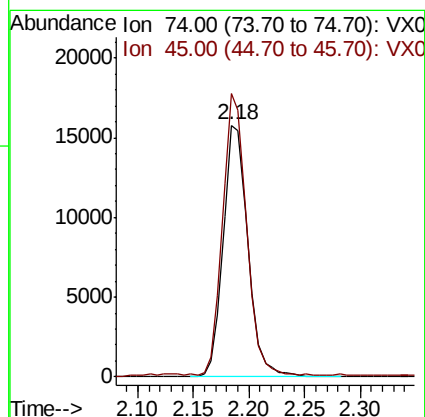
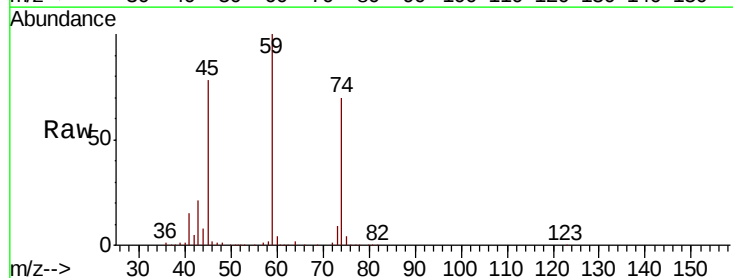
Tot Ion:101 Resp: 53455
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.4 78.6



#8

Diethyl Ether
 Concen: 19.797 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 74 Resp: 24308
 Ion Ratio Lower Upper
 74 100
 45 108.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.594 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

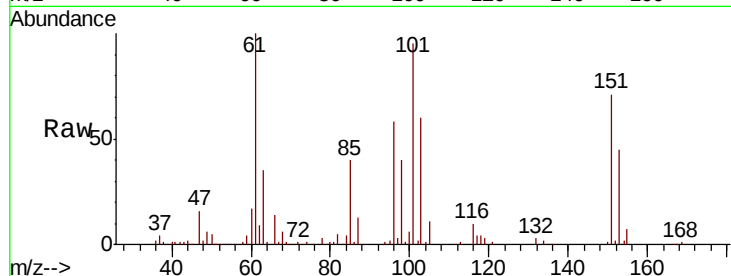
Tot Ion:101 Resp: 33524

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

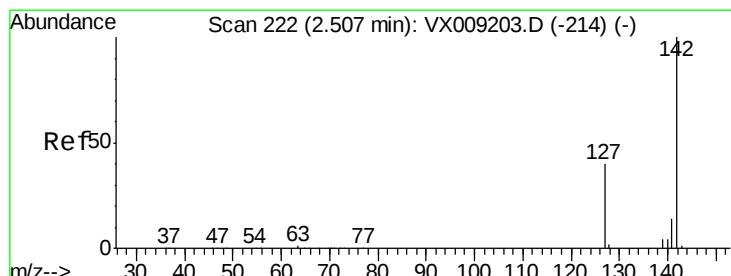
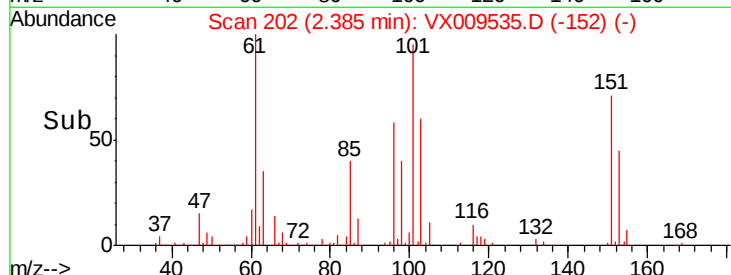
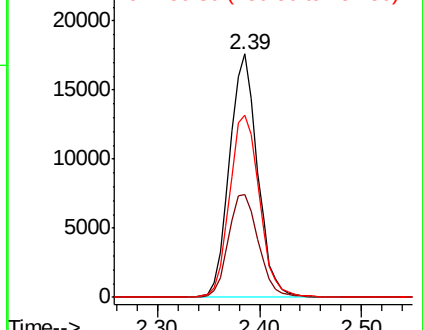
151 79.5 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.888 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

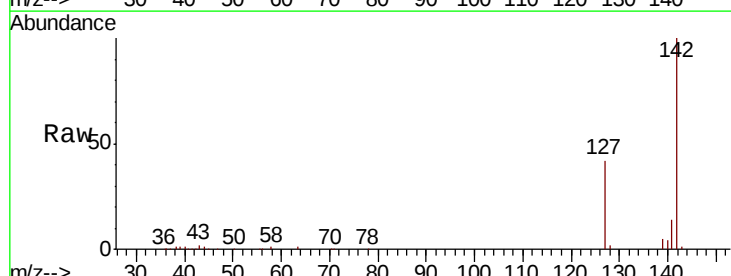
Tgt Ion:142 Resp: 36020

Ion Ratio Lower Upper

142 100

127 41.1 32.7 49.1

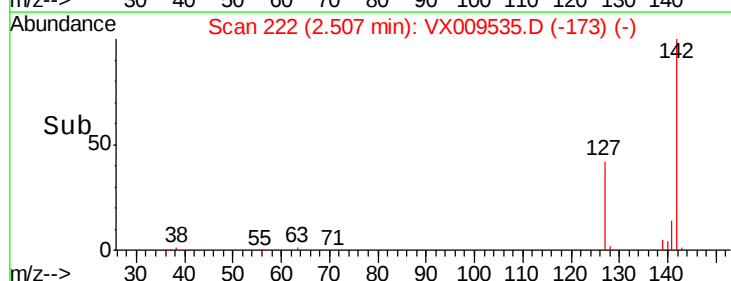
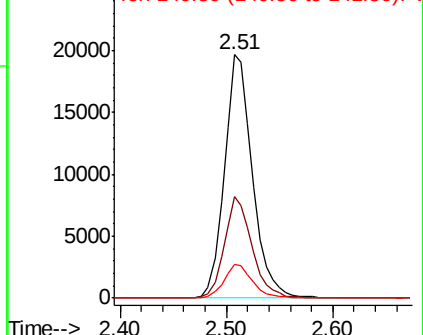
141 14.1 11.5 17.3

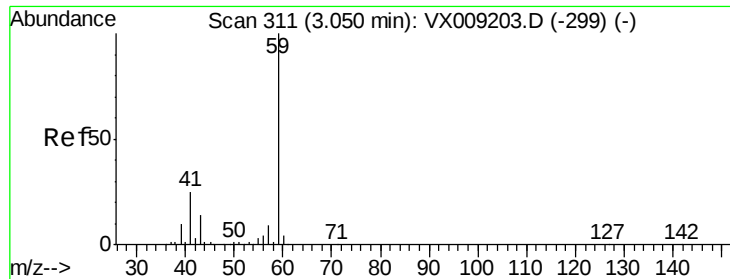


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

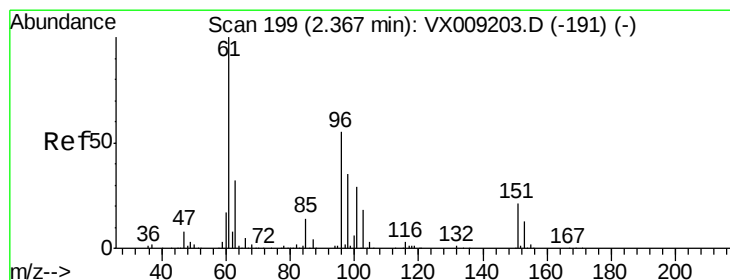
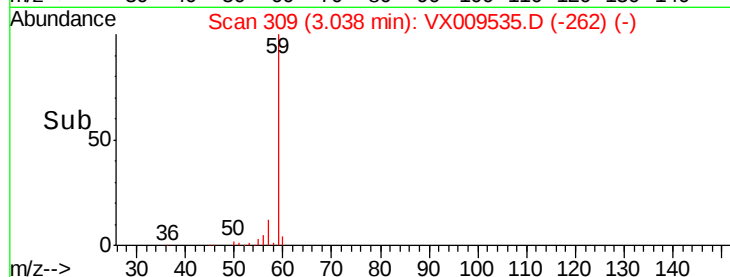
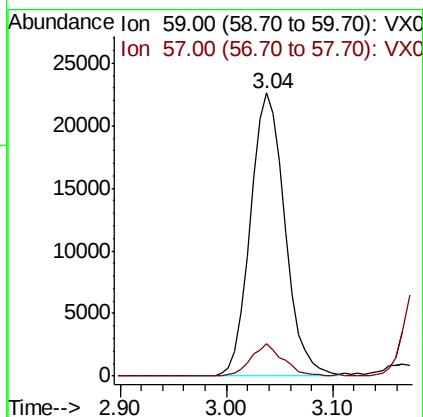
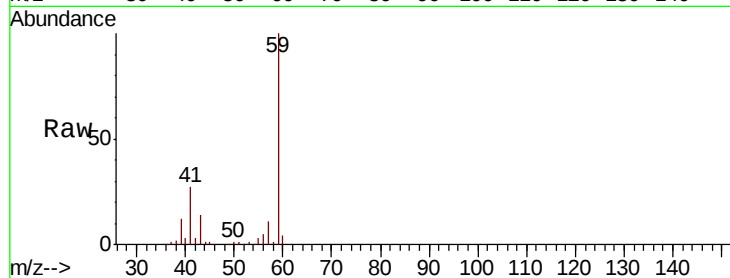




#11
Tert butyl alcohol
Concen: 93.846 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

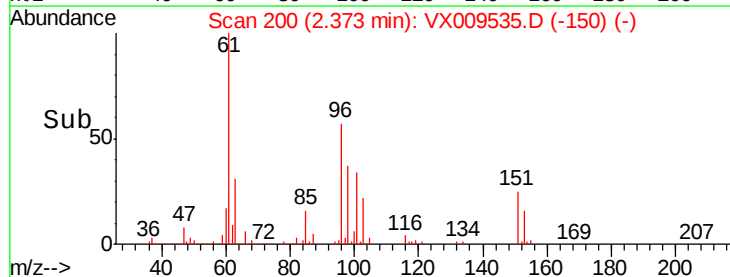
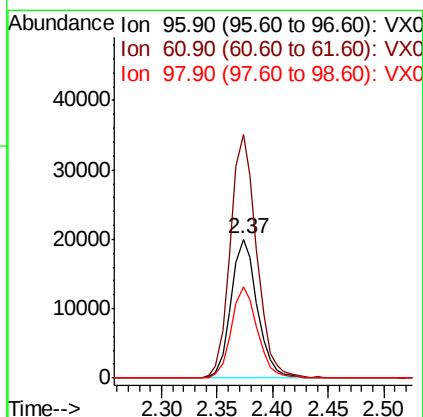
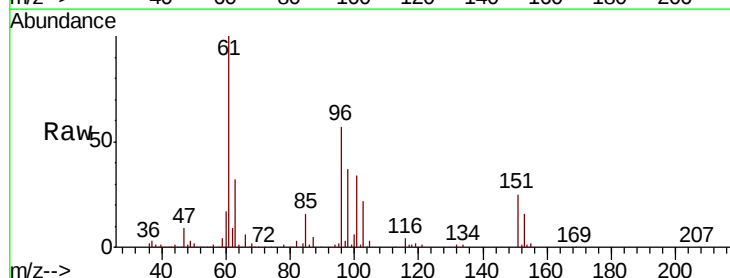
Instrument :
MSVOA_X
ClientSampled :
VX0513WBS01

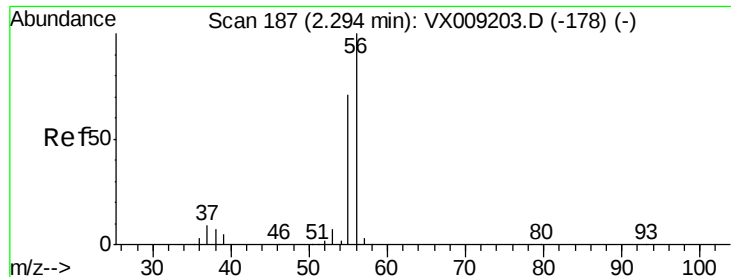
Tot Ion: 59 Resp: 51548
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.087 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 96 Resp: 32763
Ion Ratio Lower Upper
96 100
61 175.0 144.3 216.5
98 65.3 50.3 75.5





#13

Acrolein

Concen: 80.366 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

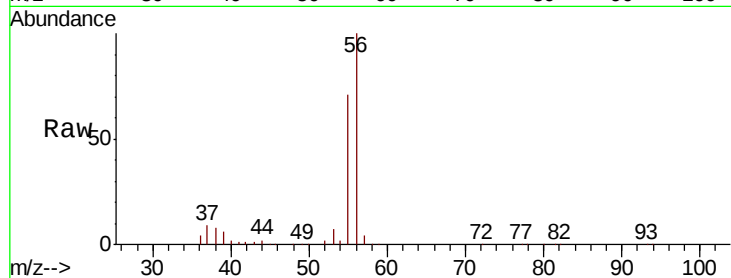
VX0513WBS01

Tot Ion: 56 Resp: 39978

Ion Ratio Lower Upper

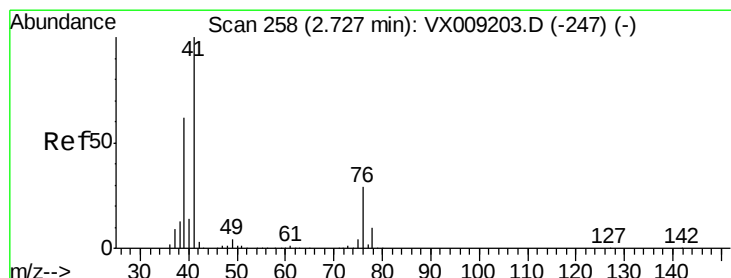
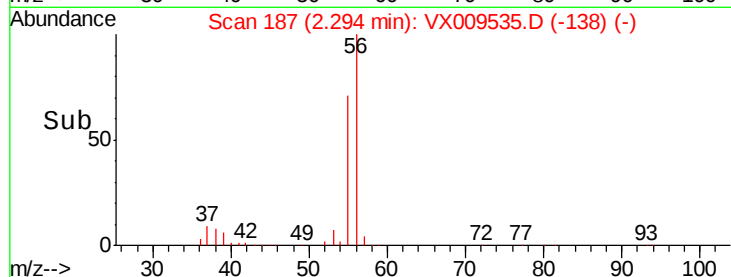
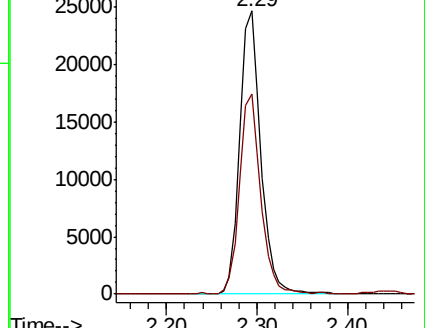
56 100

55 71.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.789 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

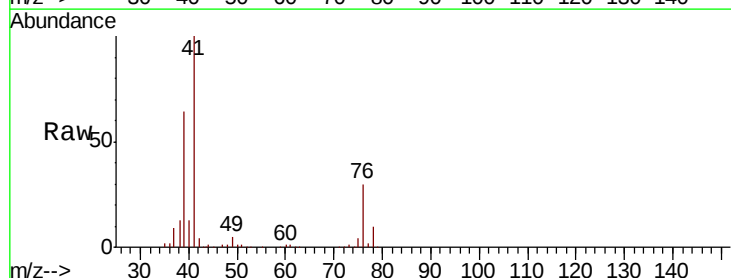
Tgt Ion: 41 Resp: 78658

Ion Ratio Lower Upper

41 100

39 59.6 46.7 70.1

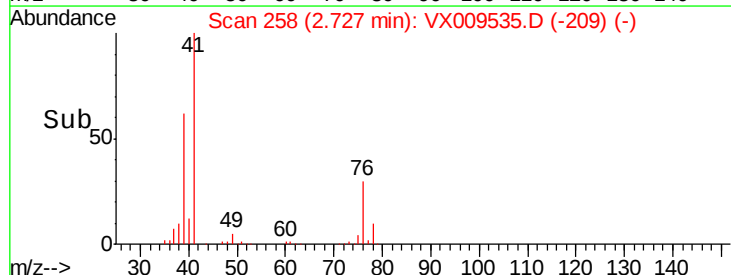
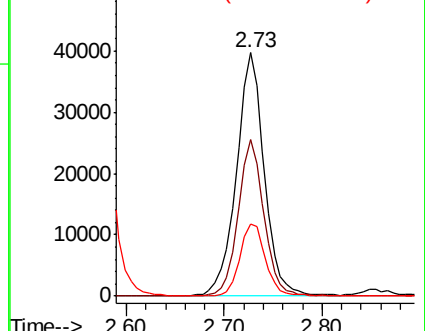
76 26.8 21.8 32.8

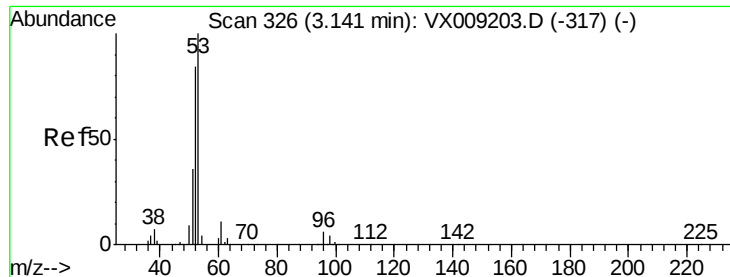


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.730 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

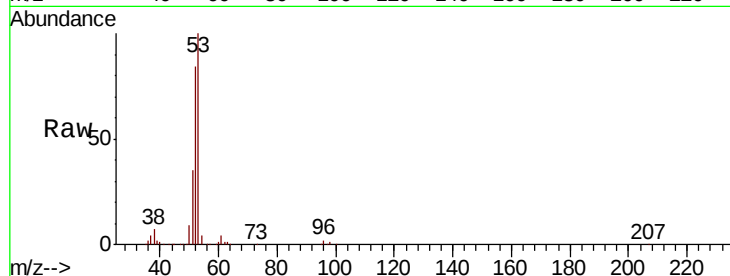
Tot Ion: 53 Resp: 129912

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

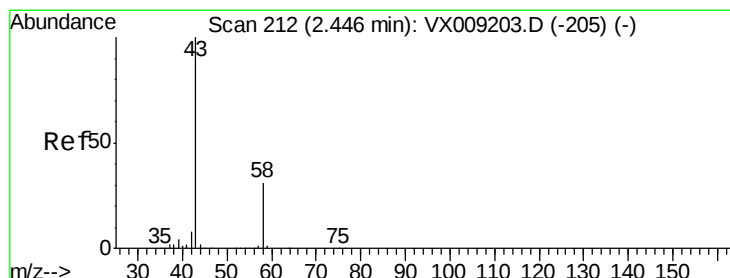
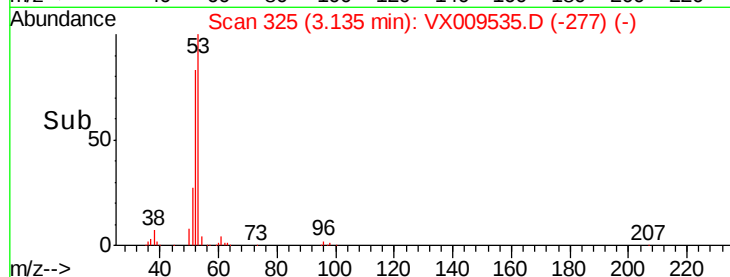
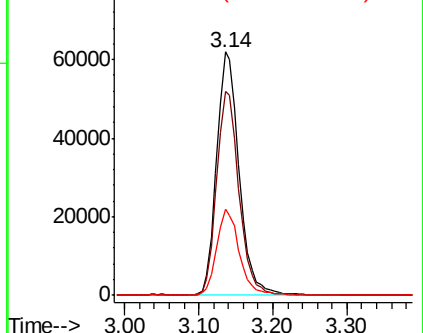
51 35.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 98.215 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009535.D

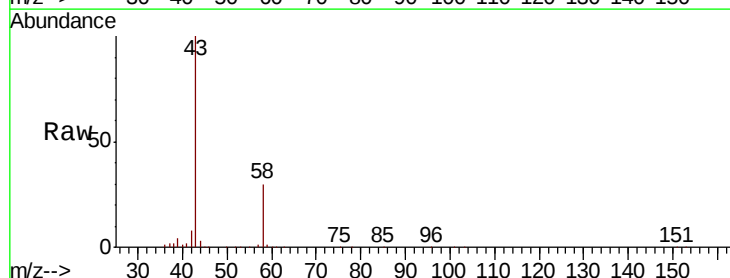
Acq: 13 May 2019 12:02

Tgt Ion: 43 Resp: 125145

Ion Ratio Lower Upper

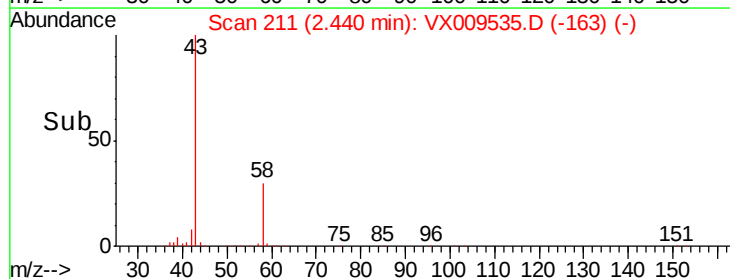
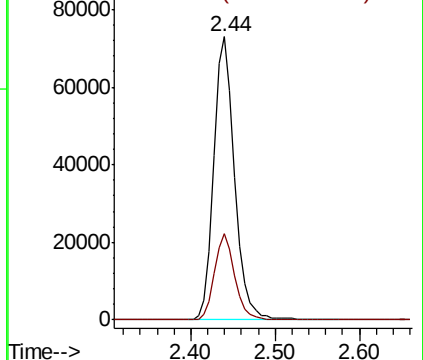
43 100

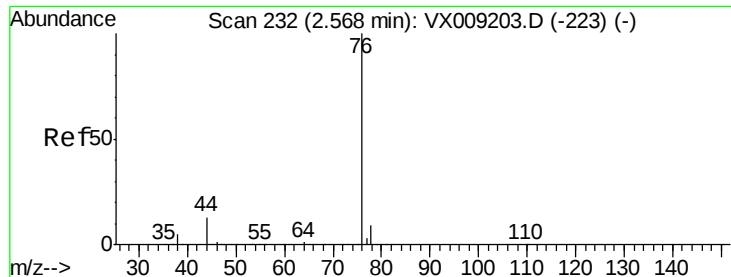
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

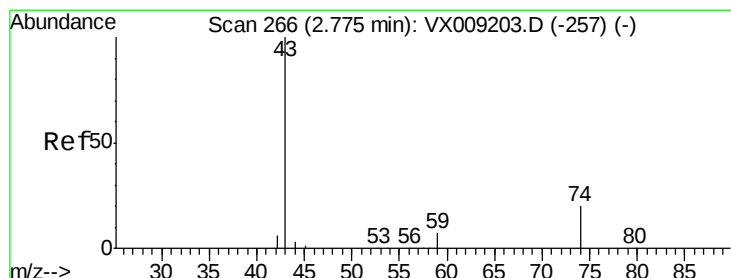
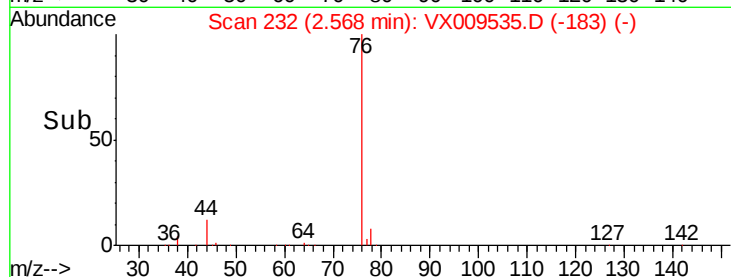
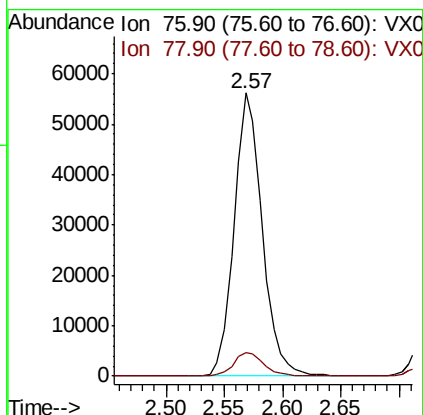
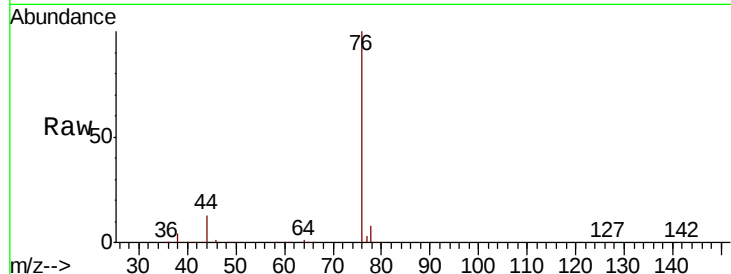




#17
Carbon Disulfide
Concen: 20.653 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

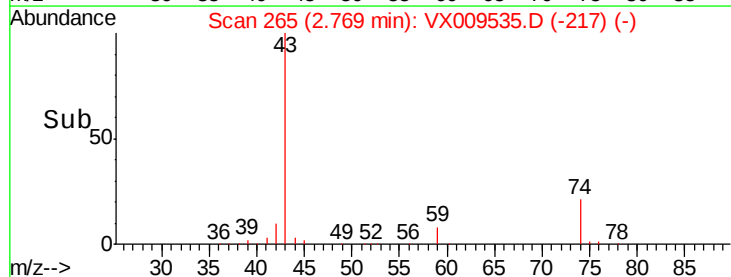
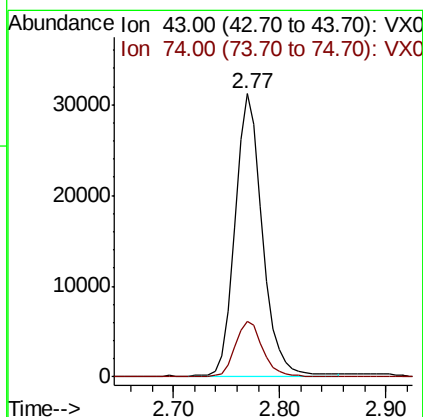
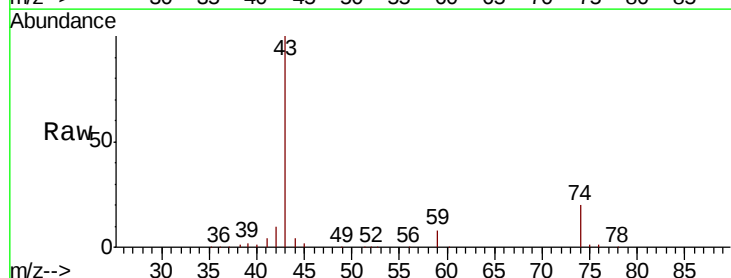
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 76 Resp: 94576
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#18
Methyl Acetate
Concen: 18.481 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 43 Resp: 56002
Ion Ratio Lower Upper
43 100
74 20.5 16.2 24.4



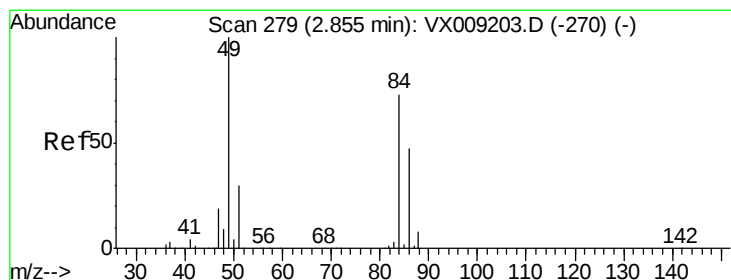
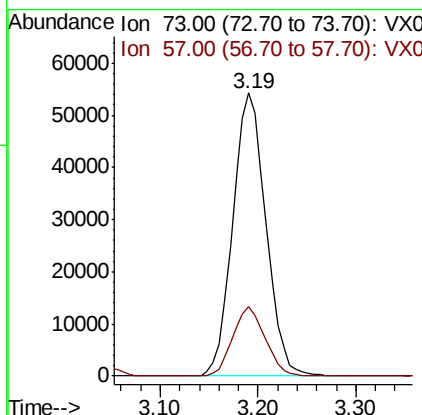
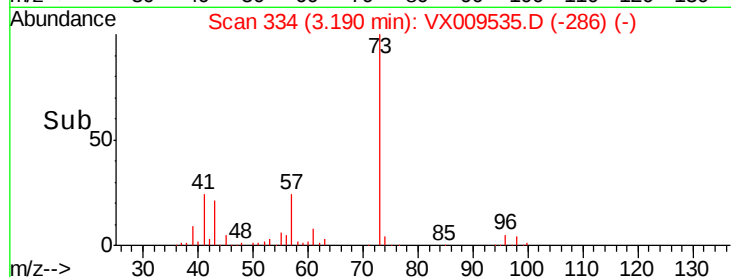
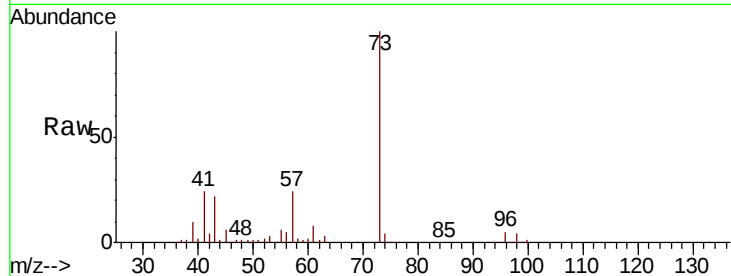


#19

Methyl tert-butyl Ether
 Concen: 20.137 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

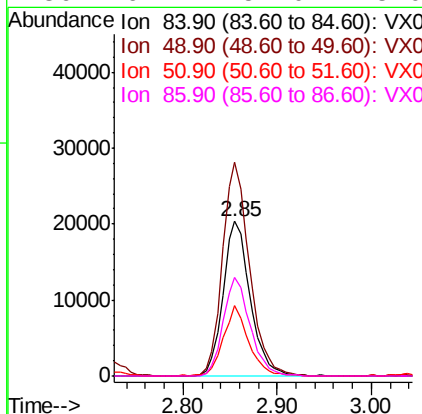
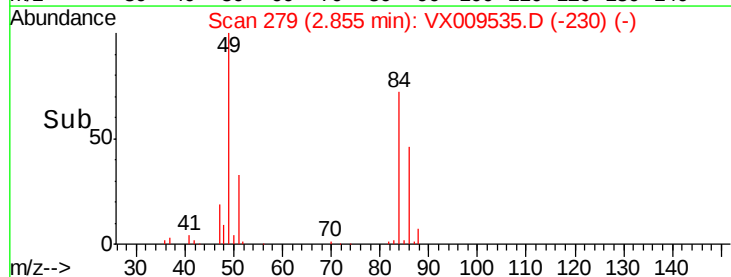
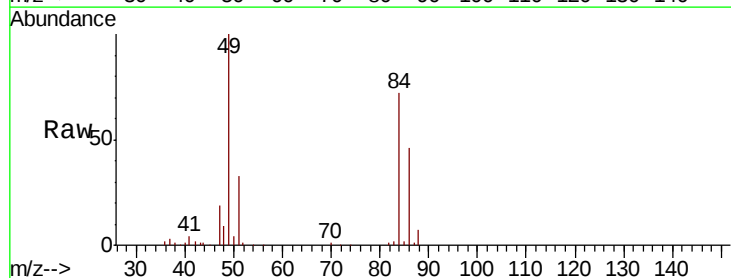
Tot Ion: 73 Resp: 127543
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.3 28.9



#20

Methylene Chloride
 Concen: 19.691 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 84 Resp: 40625
 Ion Ratio Lower Upper
 84 100
 49 138.3 109.9 164.9
 51 45.4 32.7 49.1
 86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.753 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

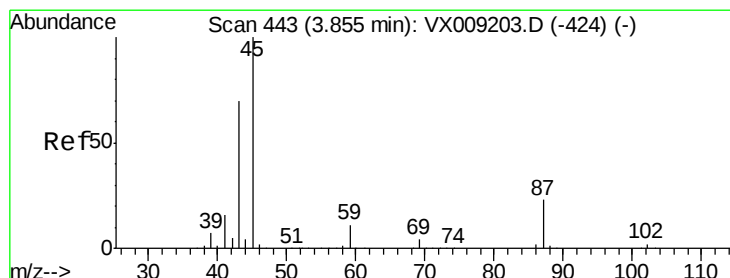
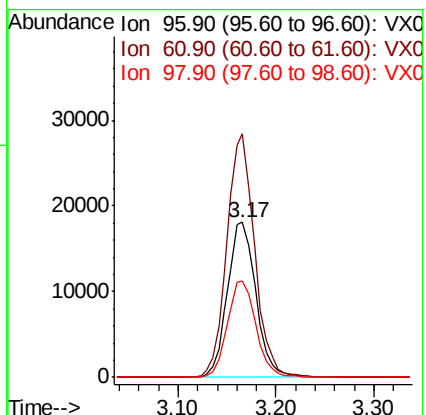
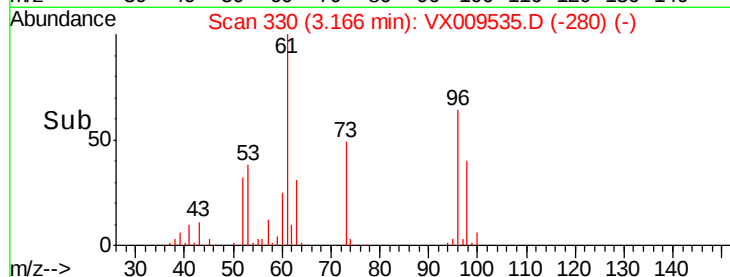
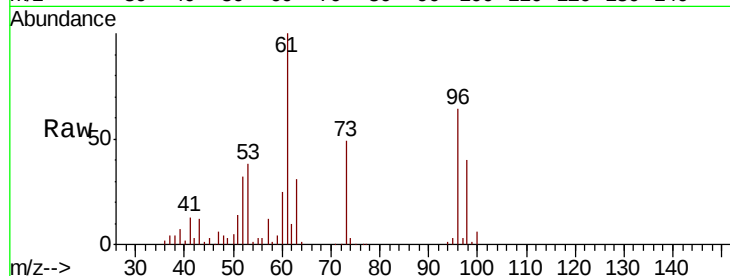
Tot Ion: 96 Resp: 36709

Ion Ratio Lower Upper

96 100

61 157.1 124.5 186.7

98 62.3 50.4 75.6



#22

Diisopropyl ether

Concen: 20.148 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion: 45 Resp: 154013

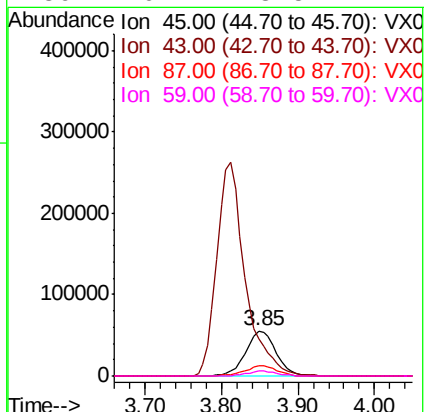
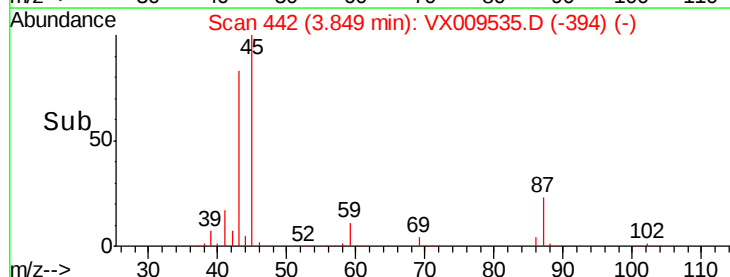
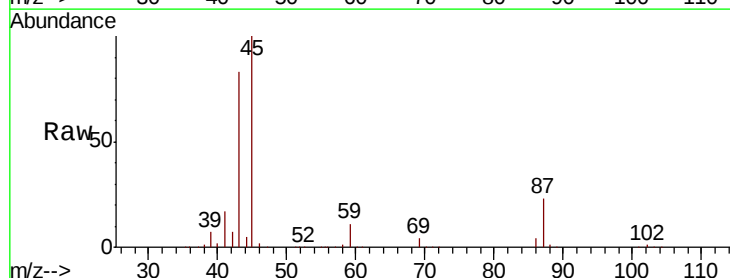
Ion Ratio Lower Upper

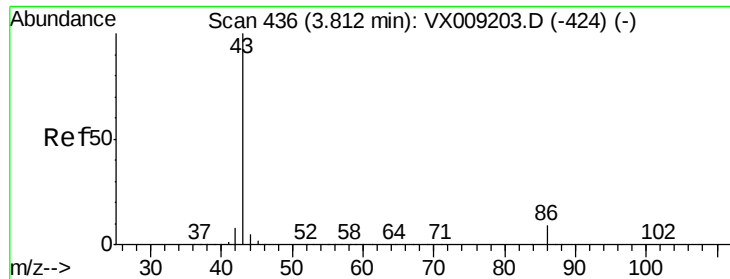
45 100

43 82.9 56.1 84.1

87 22.9 18.1 27.1

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 103.661 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

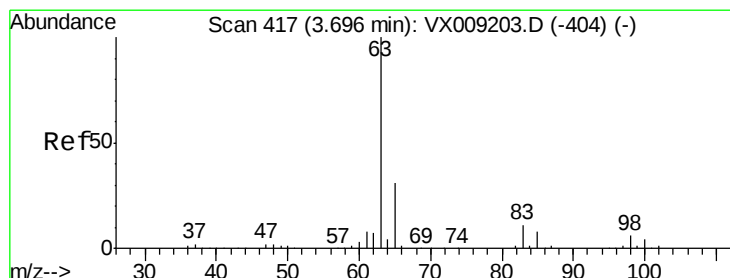
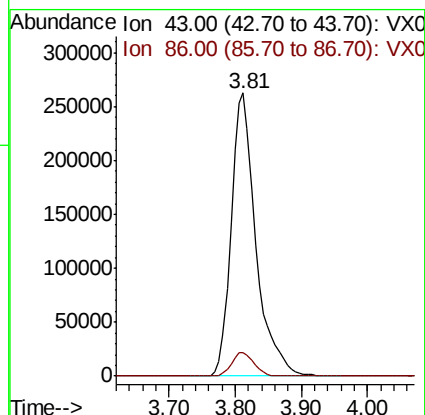
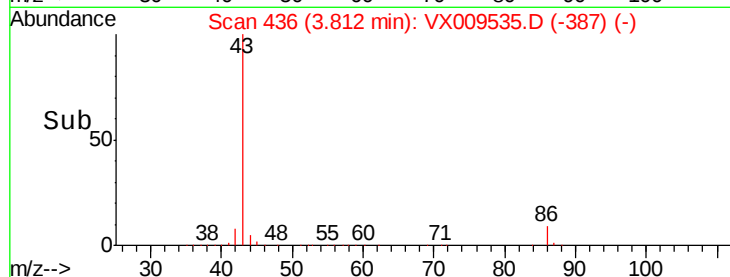
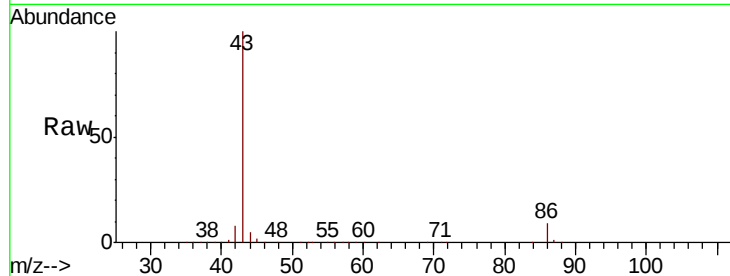
VX0513WBS01

Tot Ion: 43 Resp: 678527

Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3



#24

1,1-Dichloroethane

Concen: 20.150 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

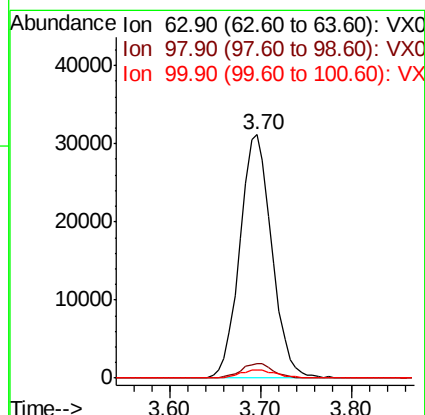
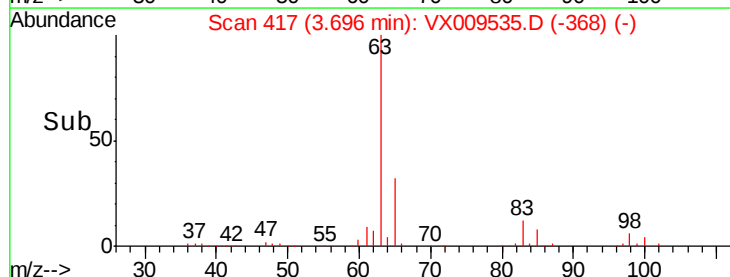
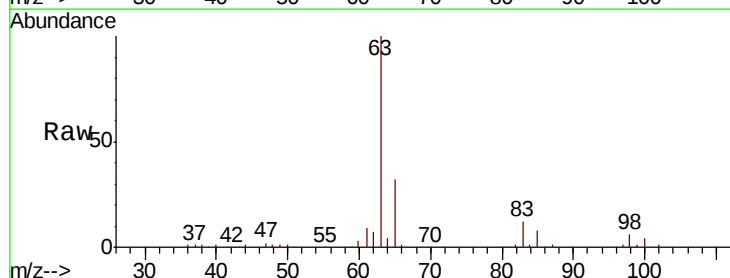
Tgt Ion: 63 Resp: 75983

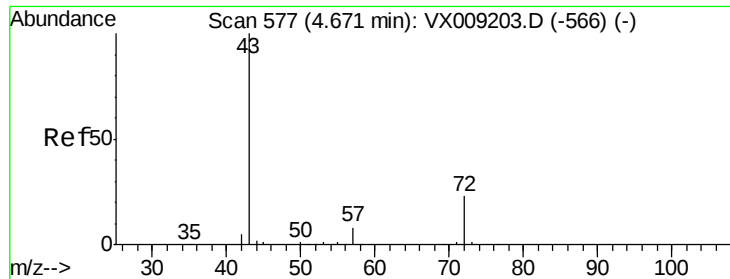
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 98.124 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

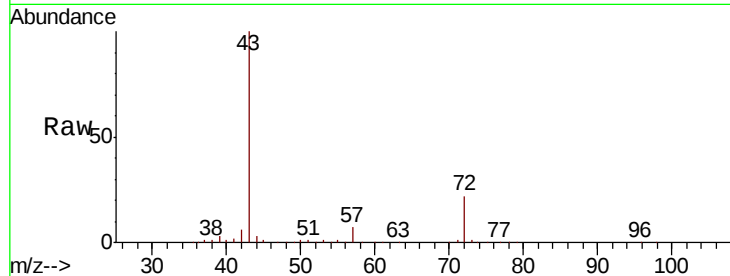
VX0513WBS01

Tot Ion: 43 Resp: 194292

Ion Ratio Lower Upper

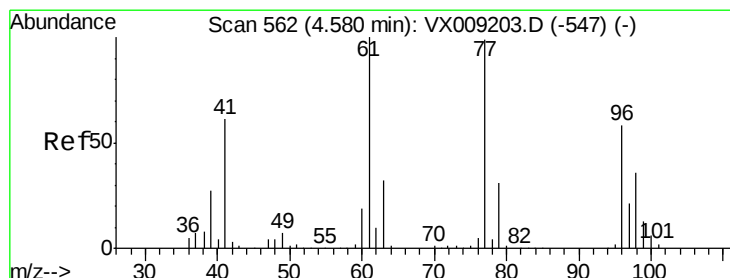
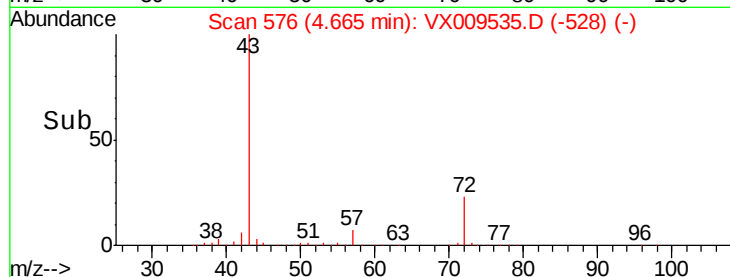
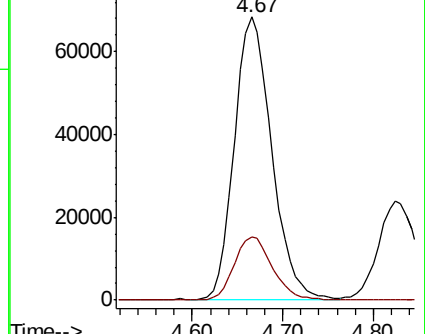
43 100

72 22.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.327 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009535.D

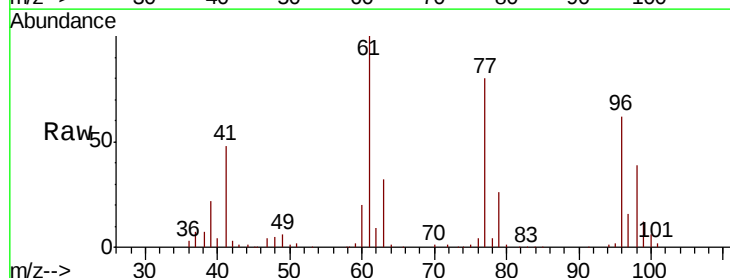
Acq: 13 May 2019 12:02

Tgt Ion: 77 Resp: 57055

Ion Ratio Lower Upper

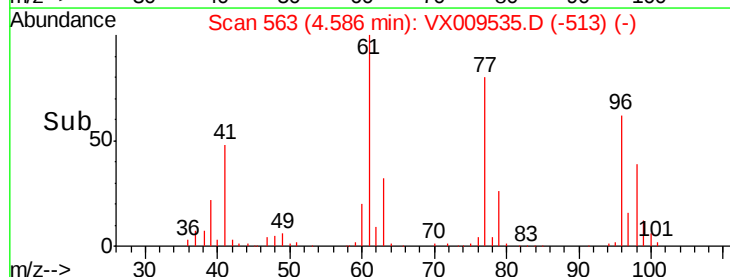
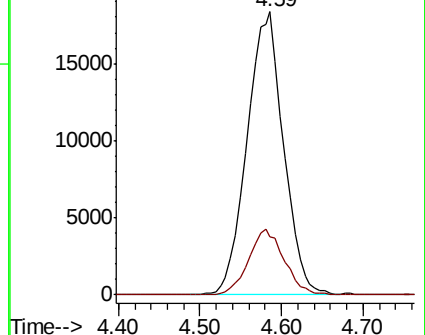
77 100

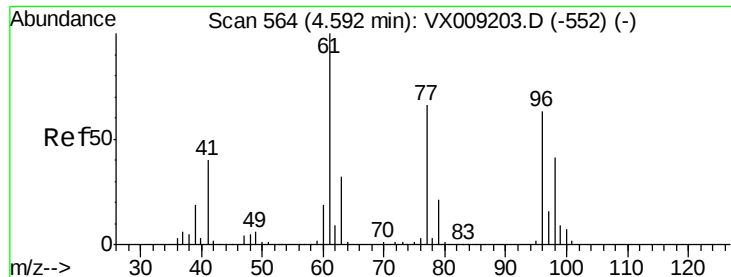
97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



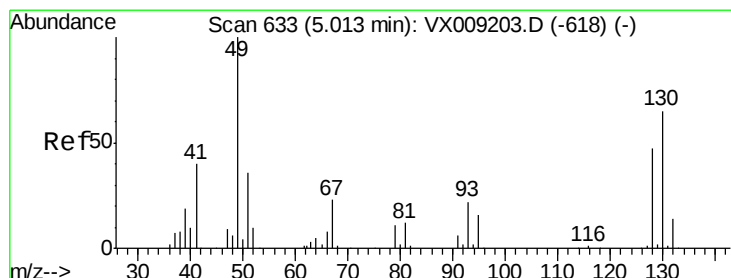
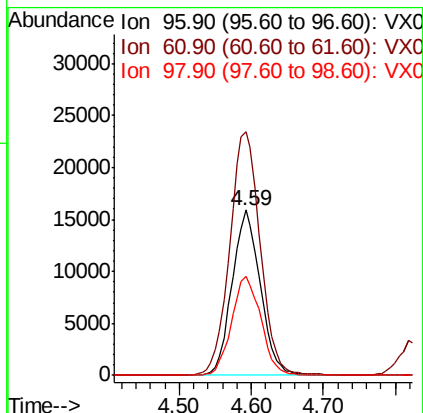
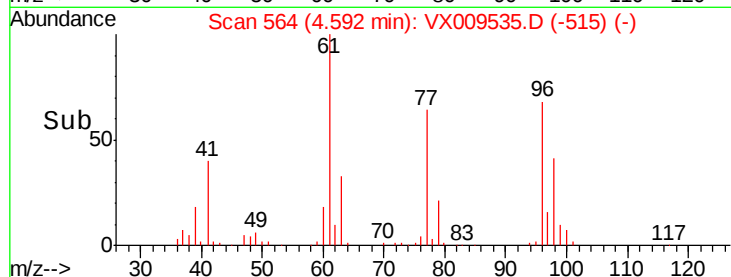
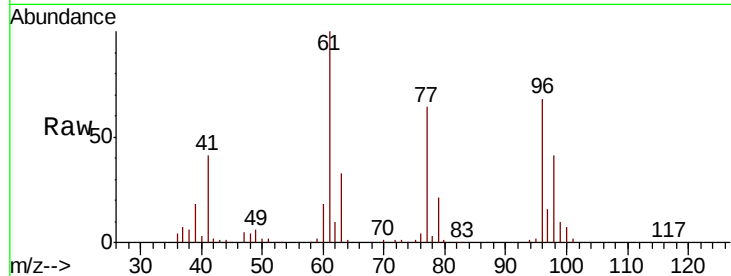


#27

cis-1,2-Dichloroethene
Concen: 20.608 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

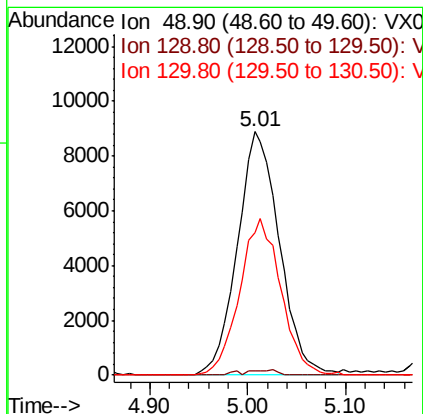
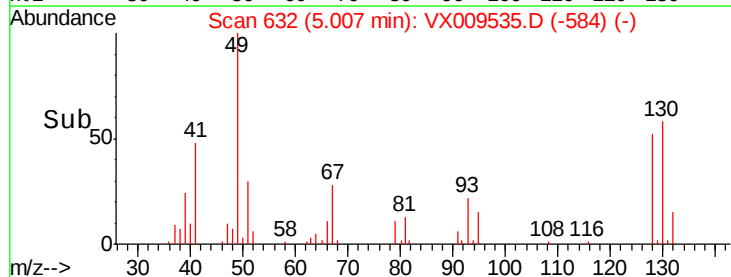
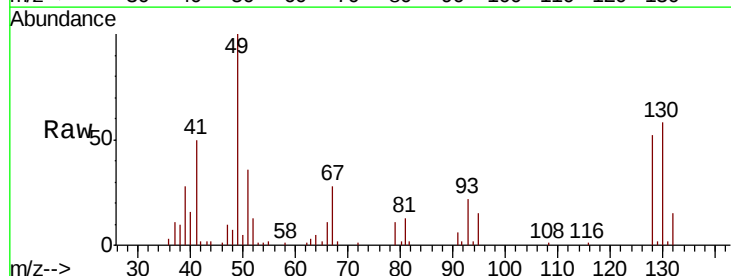
Tot Ion: 96 Resp: 43509
Ion Ratio Lower Upper
96 100
61 158.6 0.0 324.0
98 61.6 0.0 130.4

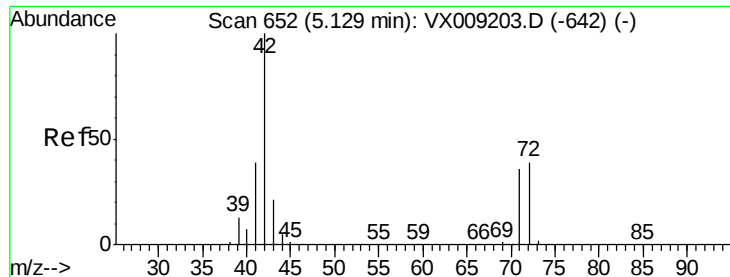


#28

Bromochloromethane
Concen: 15.632 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 49 Resp: 26589
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.8
130 63.2 51.2 76.8





#29

Tetrahydrofuran

Concen: 97.926 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

VX0513WBS01

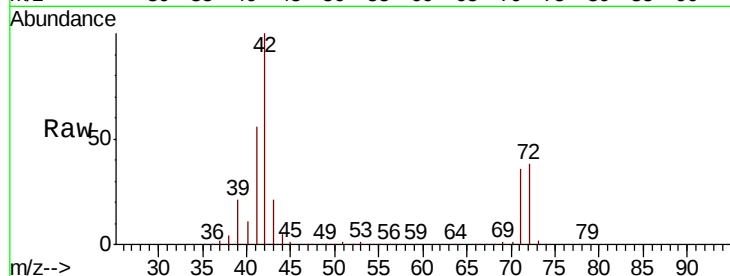
Tot Ion: 42 Resp: 124773

Ion Ratio Lower Upper

42 100

72 38.1 30.4 45.6

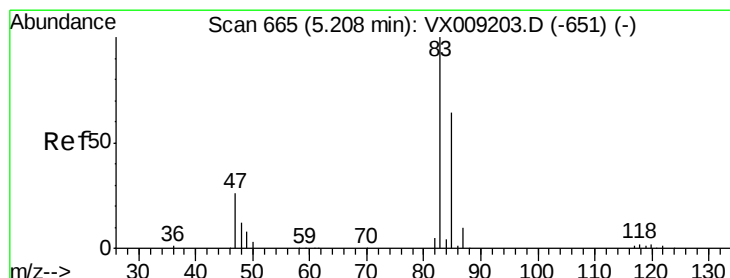
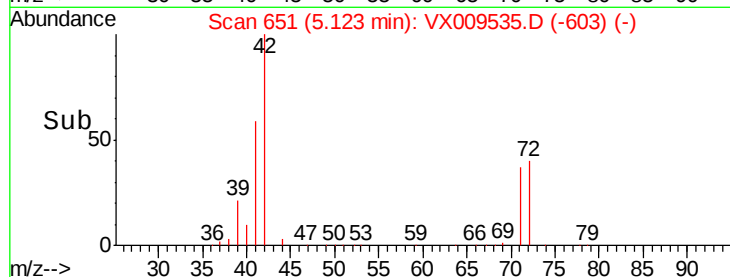
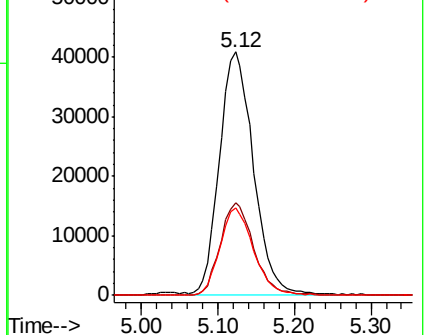
71 35.7 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.188 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009535.D

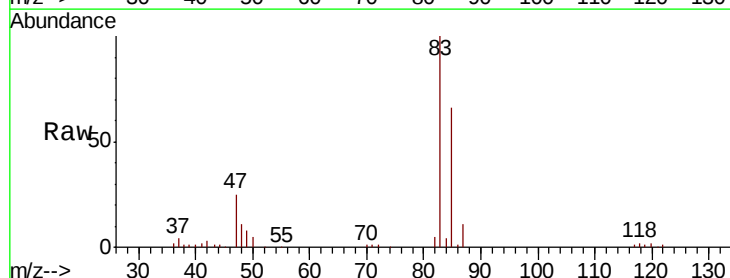
Acq: 13 May 2019 12:02

Tgt Ion: 83 Resp: 68853

Ion Ratio Lower Upper

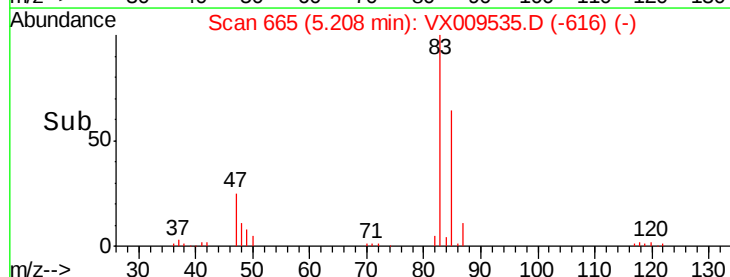
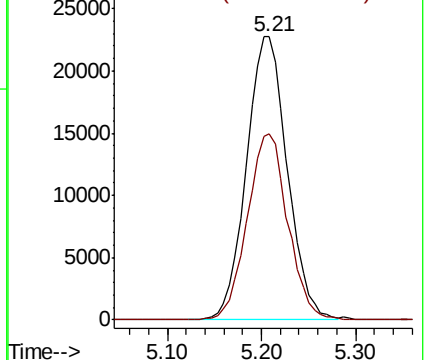
83 100

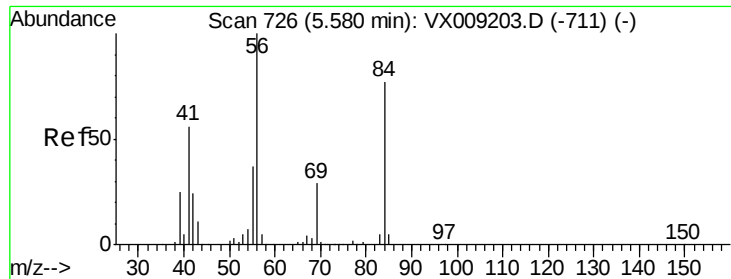
85 65.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

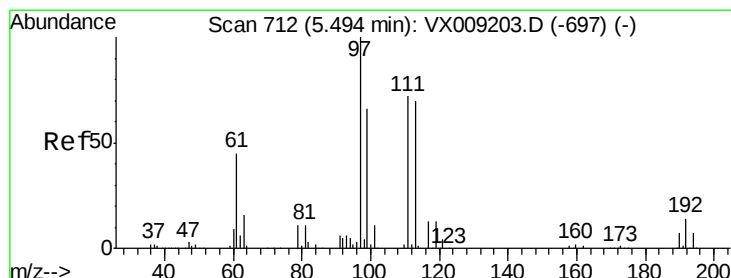
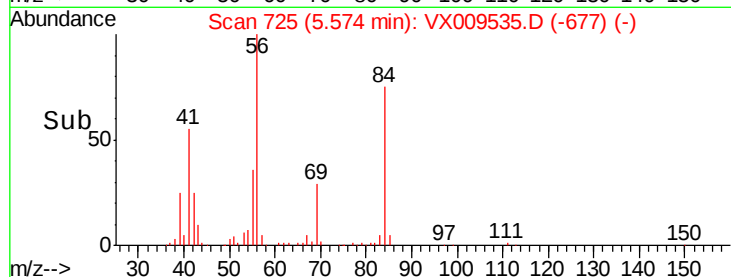
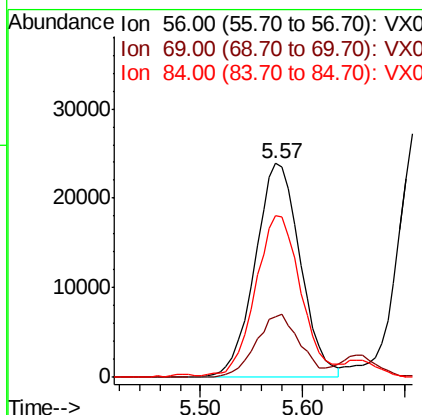
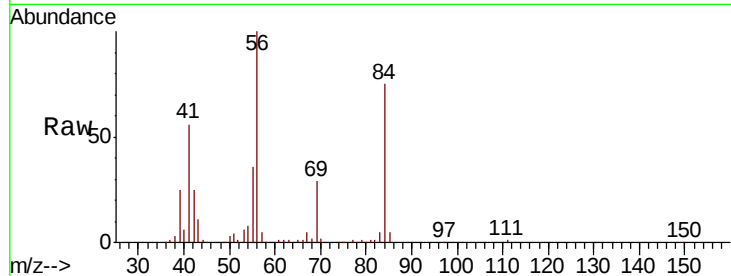




#31
Cyclohexane
Concen: 20.981 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

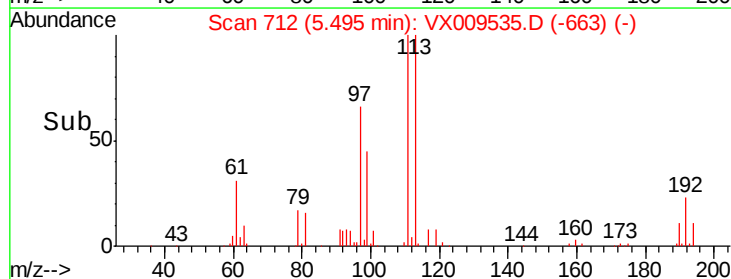
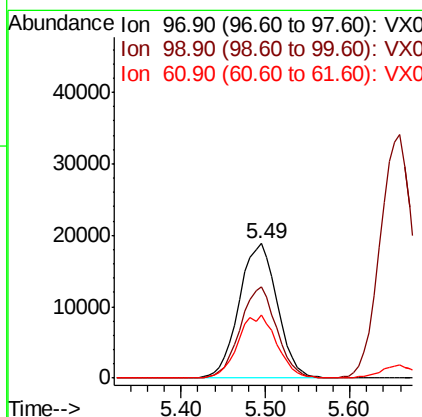
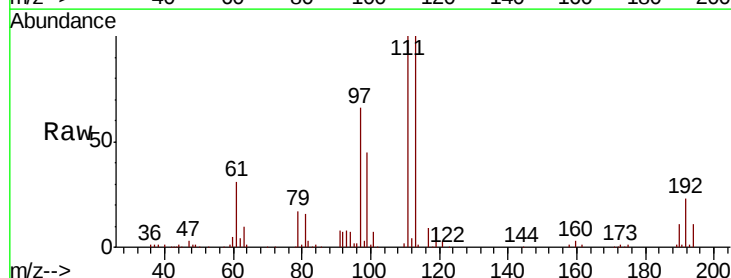
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 56 Resp: 73607
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.0
84 74.1 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 20.411 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 97 Resp: 57949
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 47.8 37.8 56.8

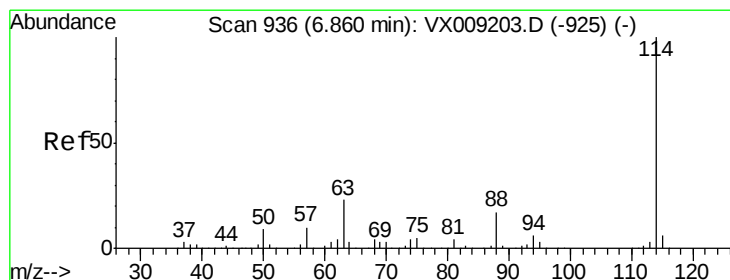
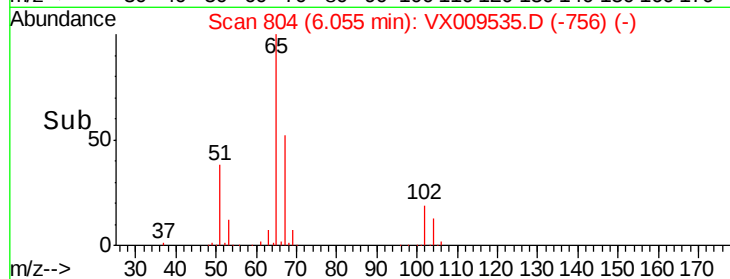
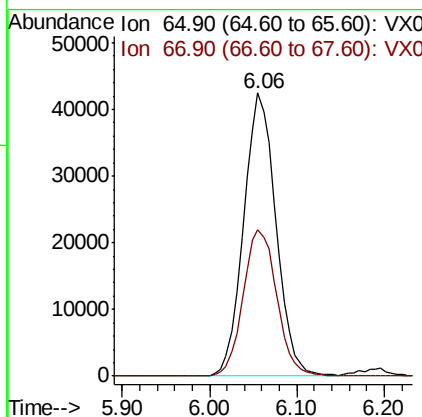
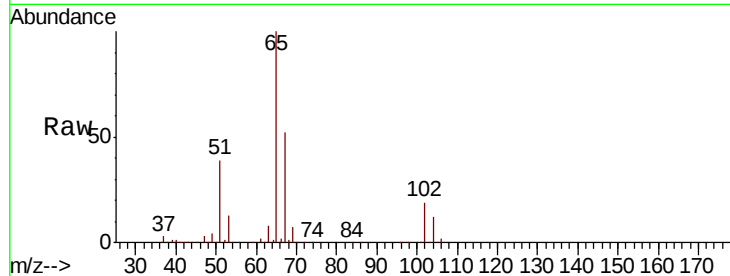




#33
 1,2-Dichloroethane-d4
 Concen: 45.950 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

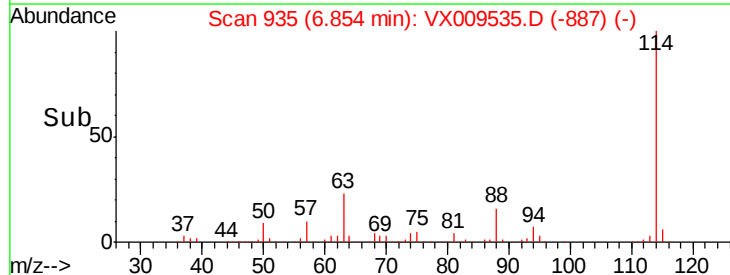
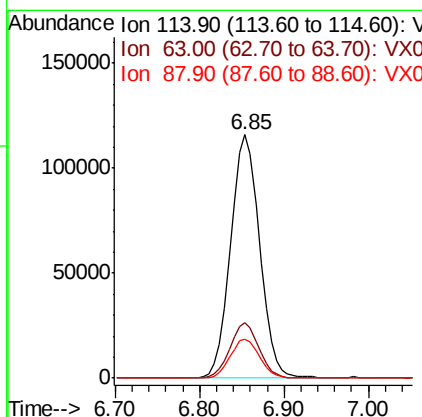
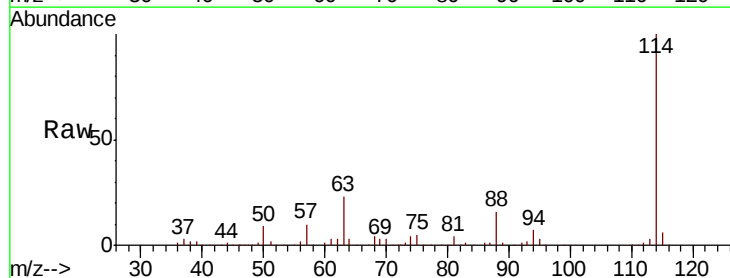
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

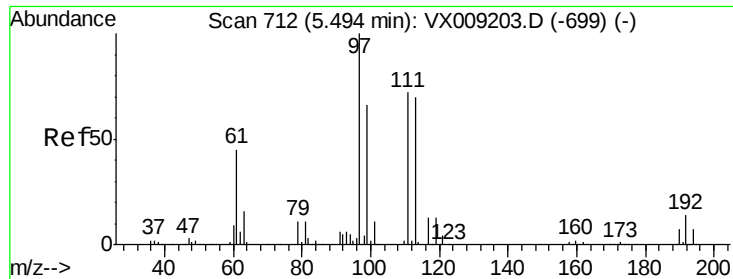
Tot Ion: 65 Resp: 109039
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 114 Resp: 270986
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 16.1 0.0 33.2

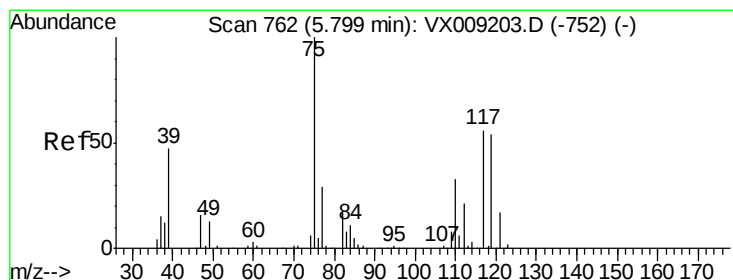
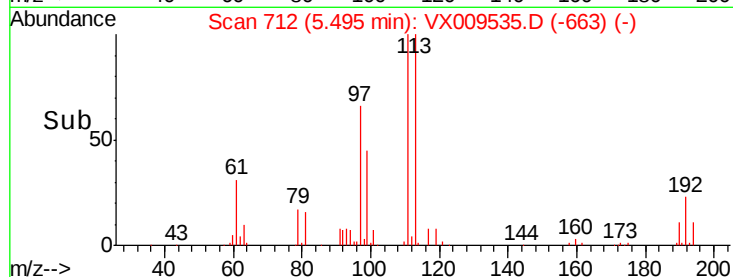
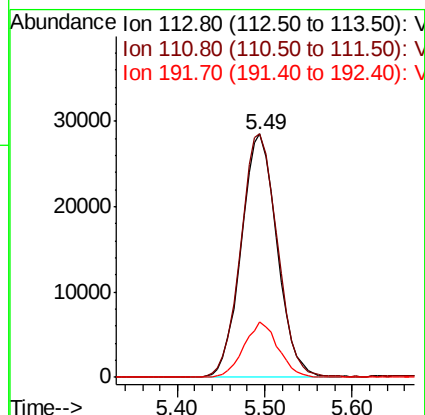
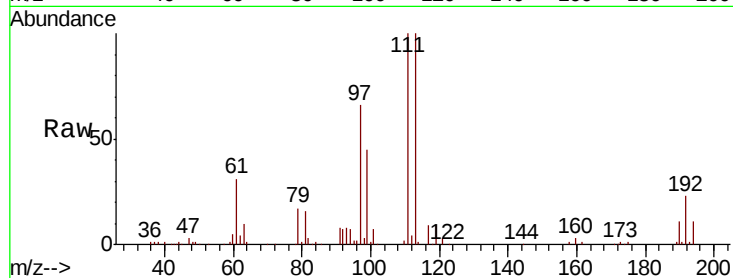




#35
 Dibromofluoromethane
 Concen: 47.651 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

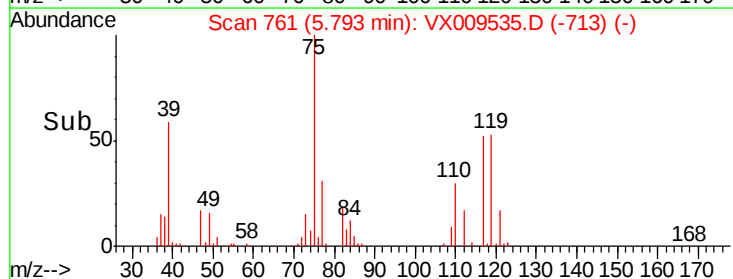
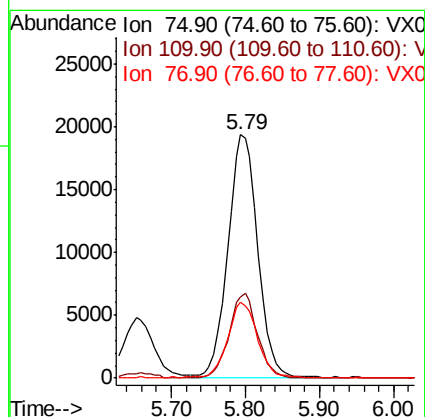
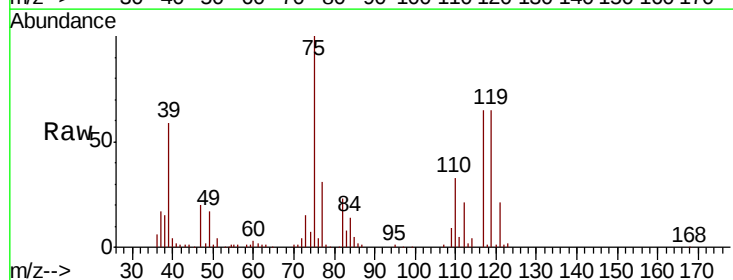
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

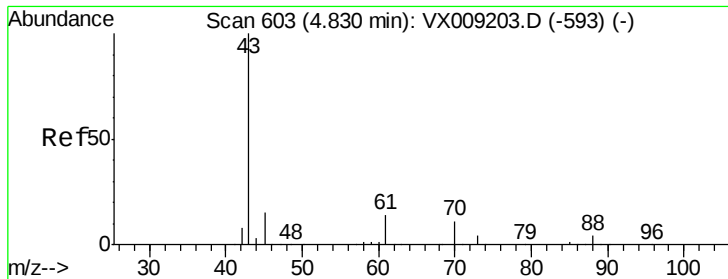
Tot Ion:113 Resp: 81174
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 21.655 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 75 Resp: 54533
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.9 50.6
 77 31.2 24.8 37.2





#37

Ethyl Acetate

Concen: 20.414 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

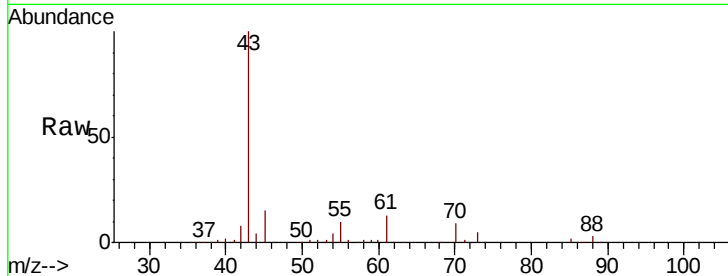
Tot Ion: 43 Resp: 71628

Ion Ratio Lower Upper

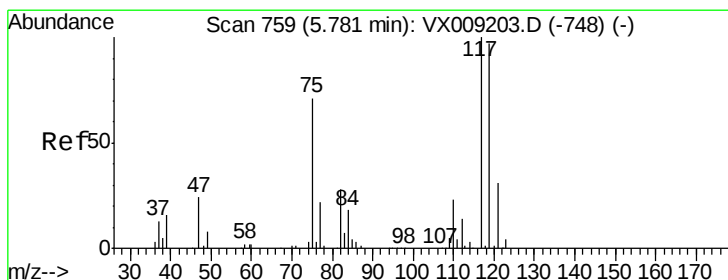
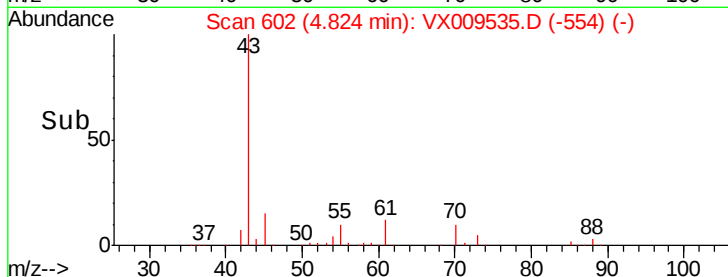
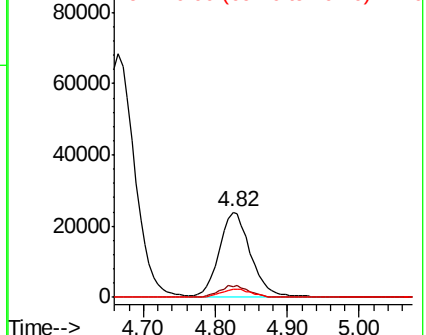
43 100

61 13.6 10.5 15.7

70 9.7 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: 21.089 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

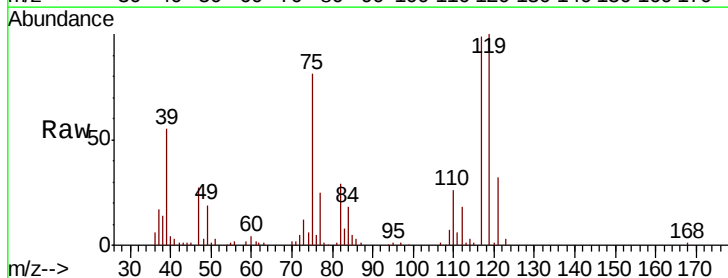
Tgt Ion: 117 Resp: 48252

Ion Ratio Lower Upper

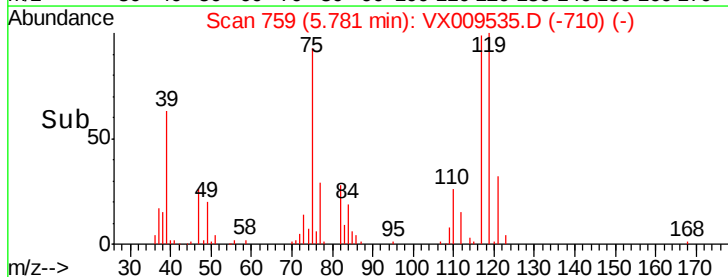
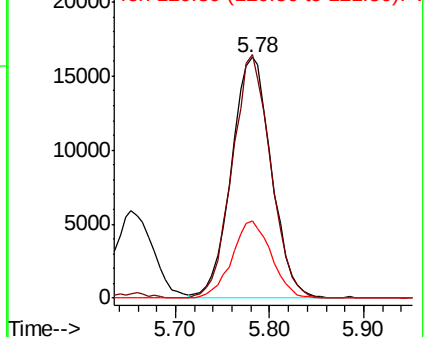
117 100

119 101.1 77.5 116.3

121 32.0 24.7 37.1



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

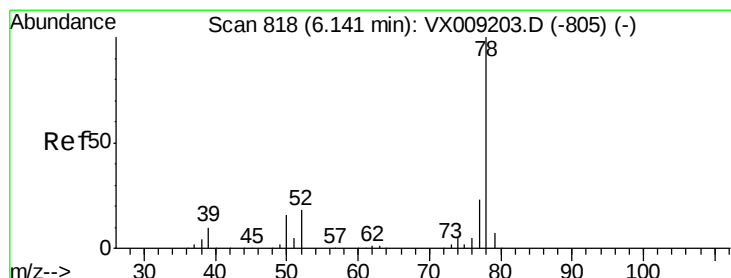
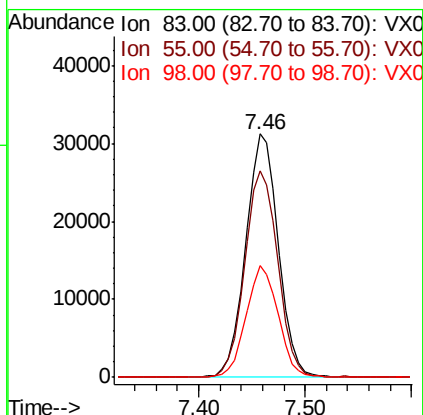
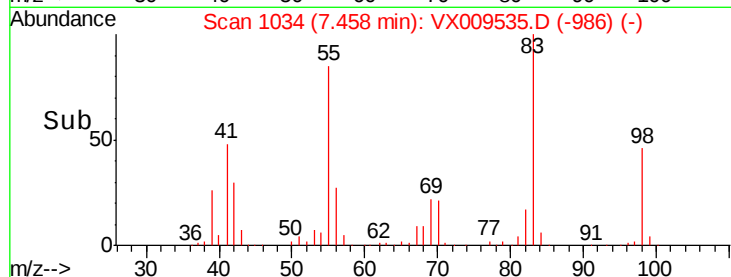
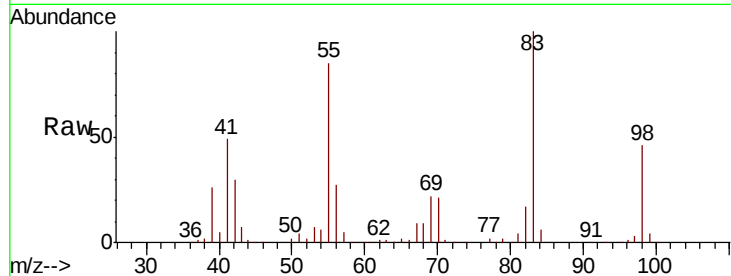




#39
Methvlcvclohexane
Concen: 21.780 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

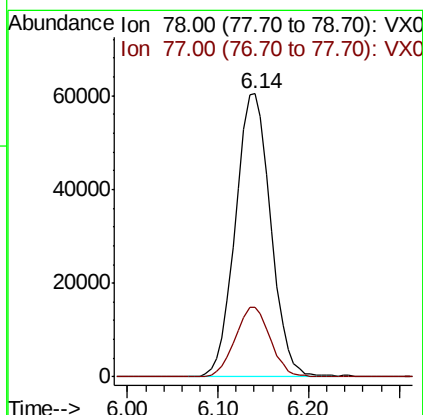
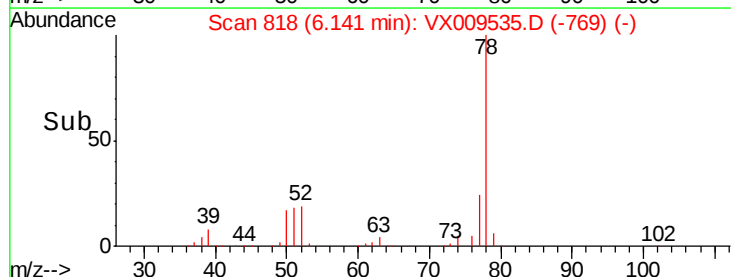
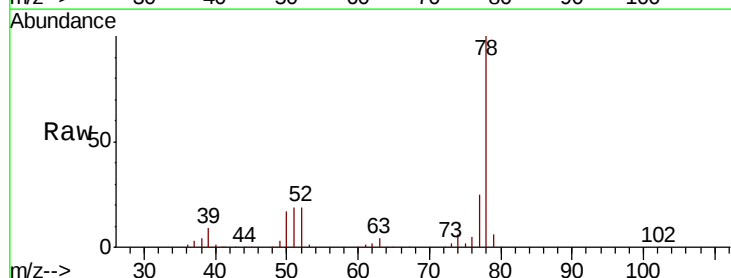
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 83 Resp: 67359
Ion Ratio Lower Upper
83 100
55 84.4 67.7 101.5
98 46.0 35.5 53.3



#40
Benzene
Concen: 20.952 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 78 Resp: 163297
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2





#41

Methacrylonitrile

Concen: 19.585 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

VX0513WBS01

Tot Ion: 41 Resp: 40907

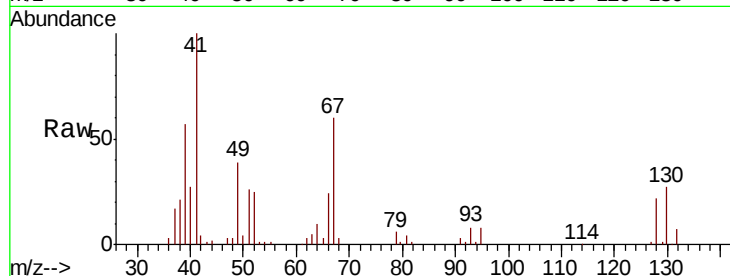
Ion Ratio Lower Upper

41 100

39 54.2 42.0 63.0

67 63.6 49.8 74.8

52 26.6 20.3 30.5

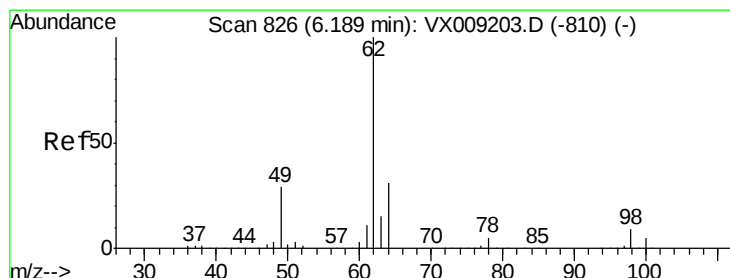
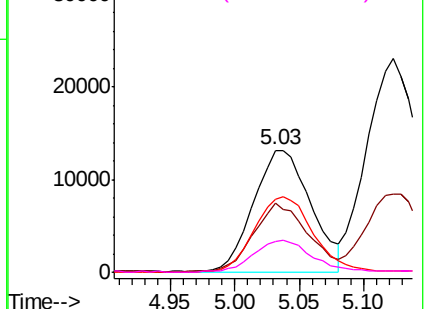
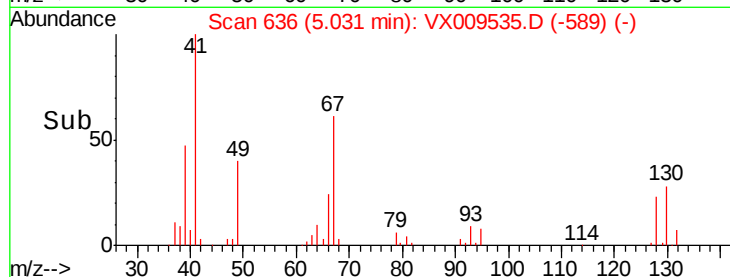


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.353 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX009535.D

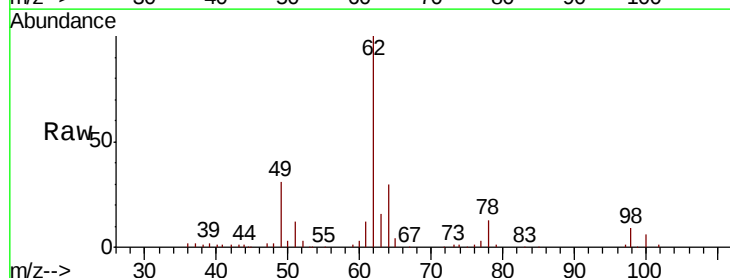
Acq: 13 May 2019 12:02

Tgt Ion: 62 Resp: 59698

Ion Ratio Lower Upper

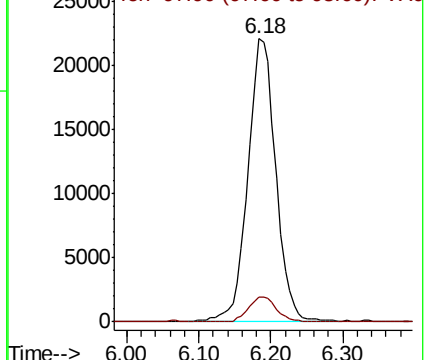
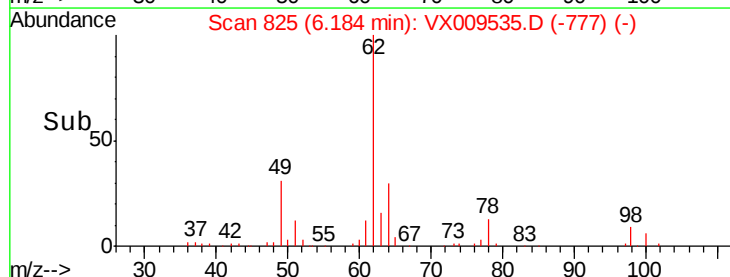
62 100

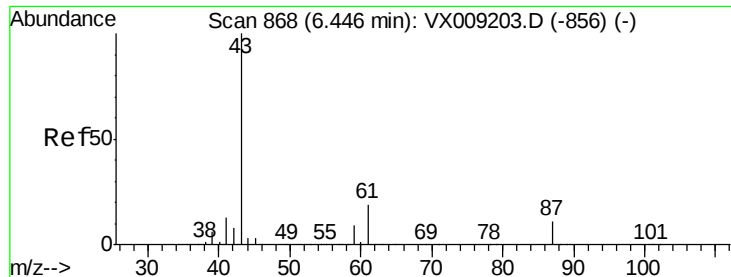
98 8.8 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



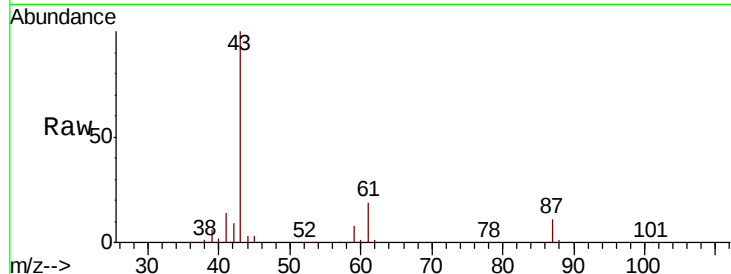


#43

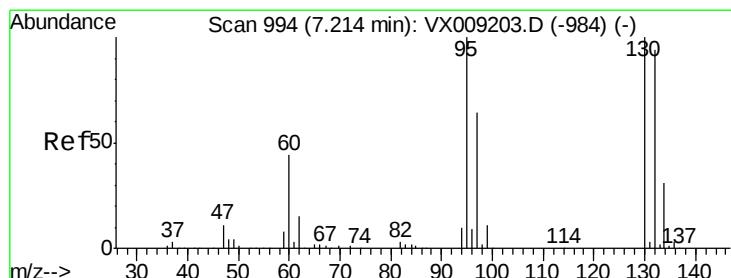
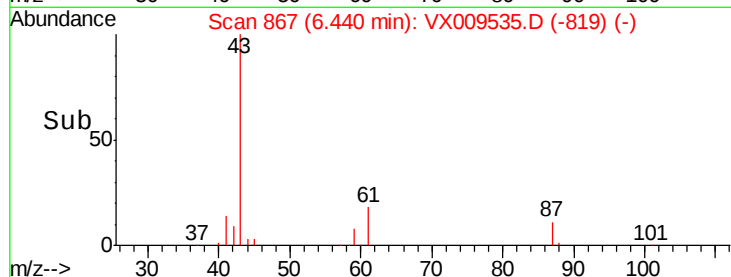
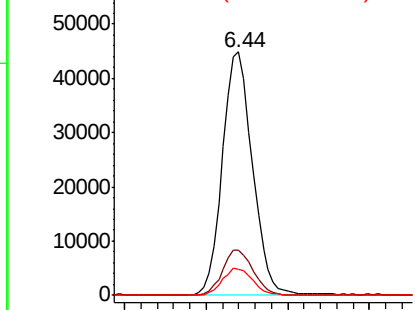
Isopropyl Acetate
 Concen: 20.229 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion: 43 Resp: 113532
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.1 22.7
 87 11.3 9.0 13.6



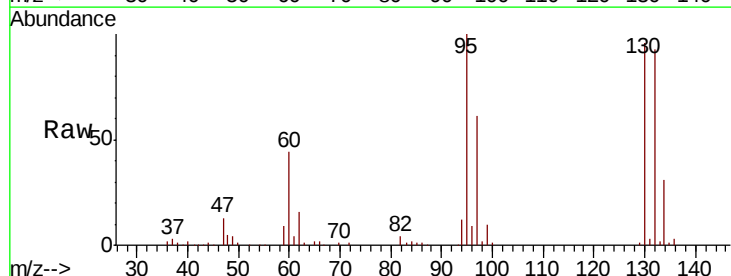
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



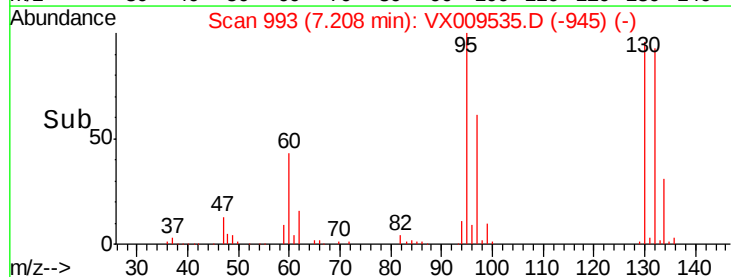
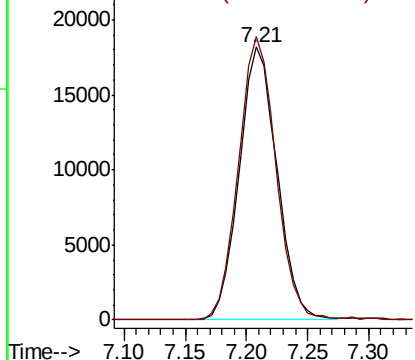
#44

Trichloroethene
 Concen: 20.715 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion:130 Resp: 39031
 Ion Ratio Lower Upper
 130 100
 95 103.8 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: 21.041 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

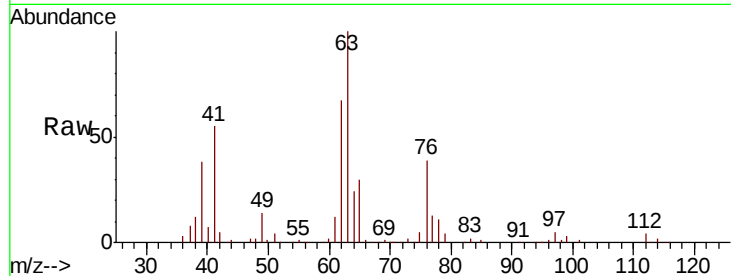
VX0513WBS01

Tot Ion: 63 Resp: 46435

Ion Ratio Lower Upper

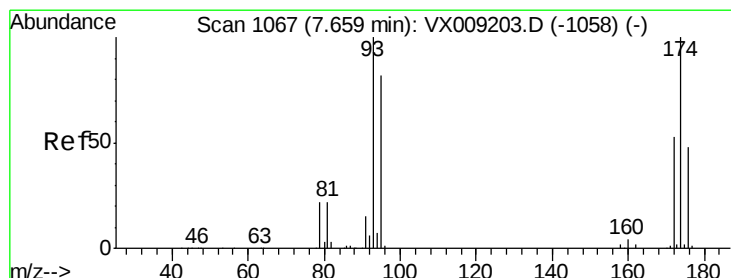
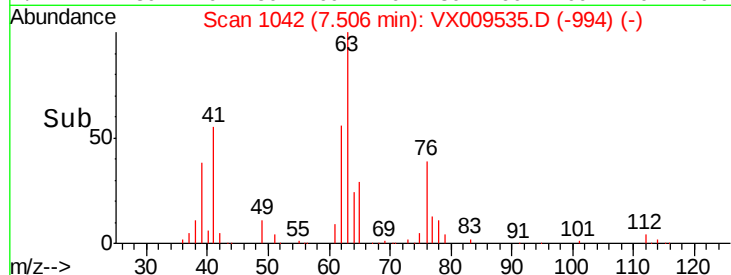
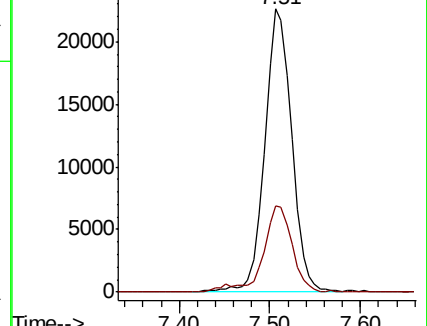
63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.608 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

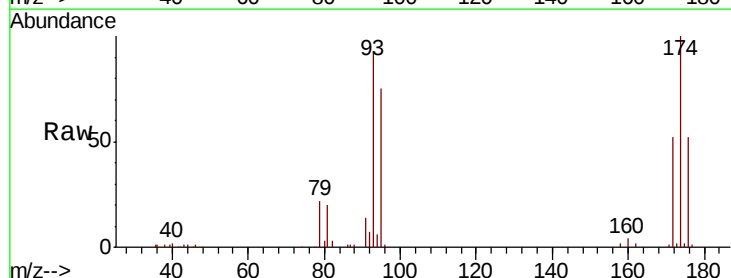
Tgt Ion: 93 Resp: 26410

Ion Ratio Lower Upper

93 100

95 82.9 66.5 99.7

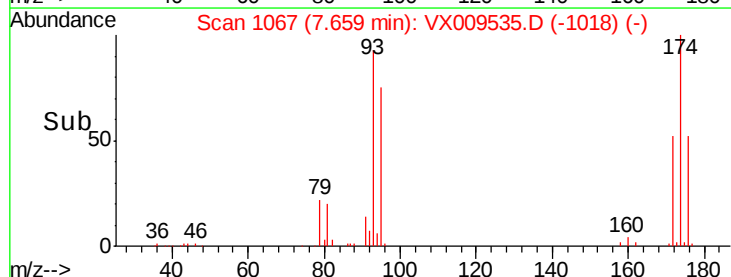
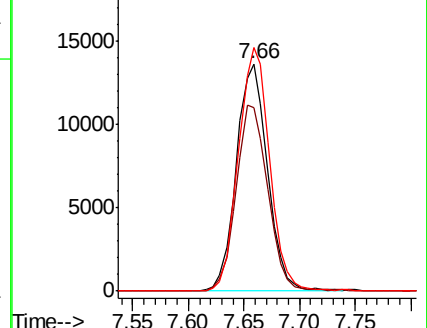
174 107.1 82.1 123.1

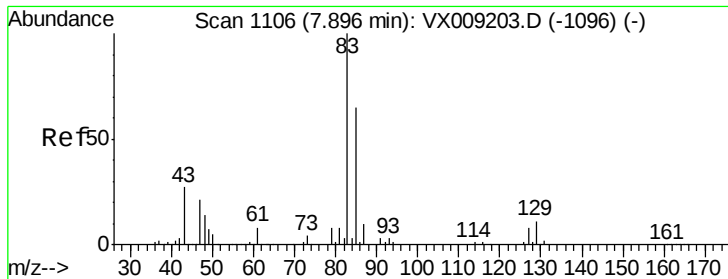


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.784 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

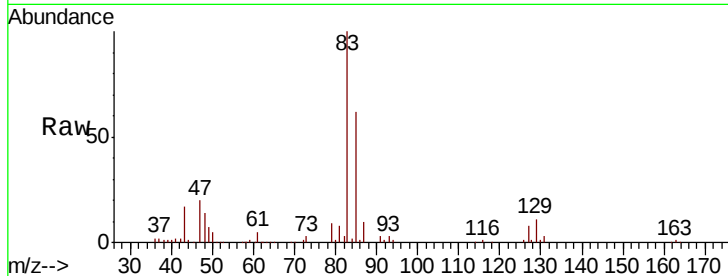
Tot Ion: 83 Resp: 53131

Ion Ratio Lower Upper

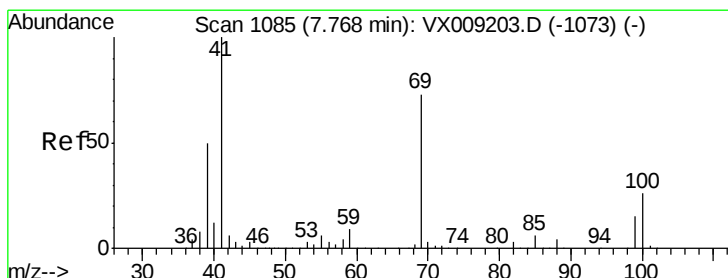
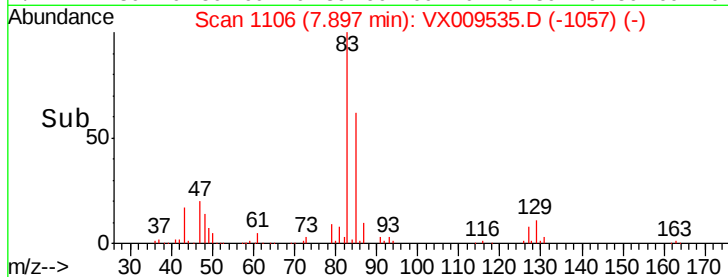
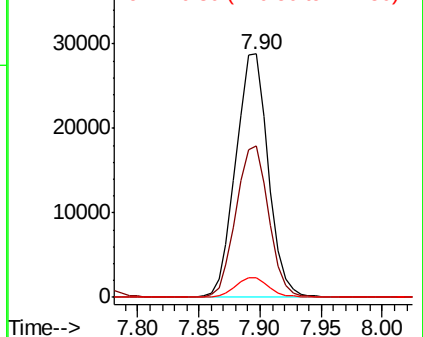
83 100

85 62.3 52.4 78.6

127 8.2 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: 20.750 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

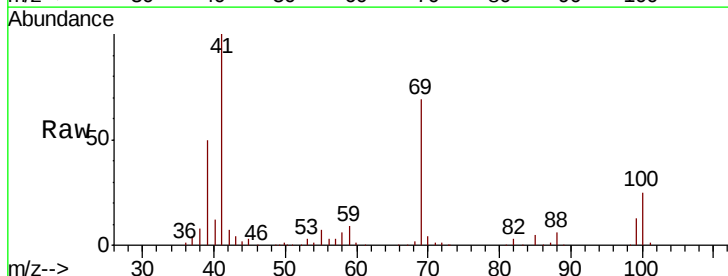
Tgt Ion: 41 Resp: 57779

Ion Ratio Lower Upper

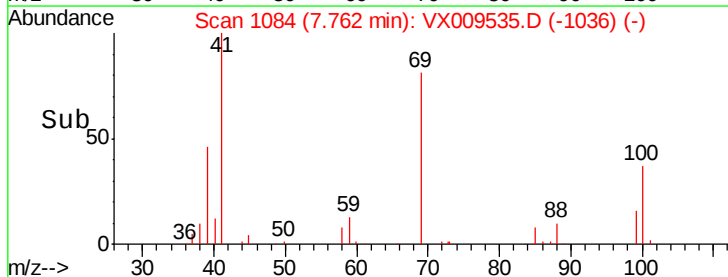
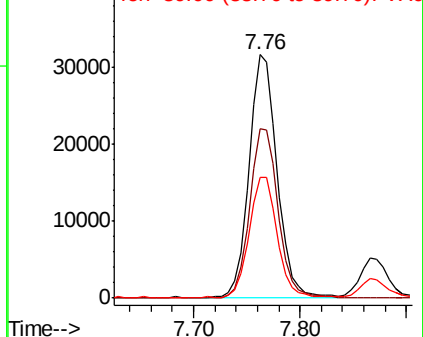
41 100

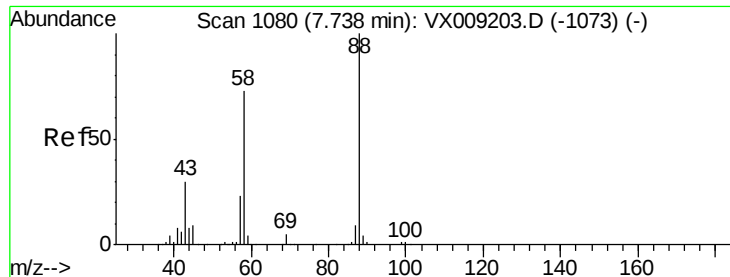
69 71.6 59.1 88.7

39 51.6 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

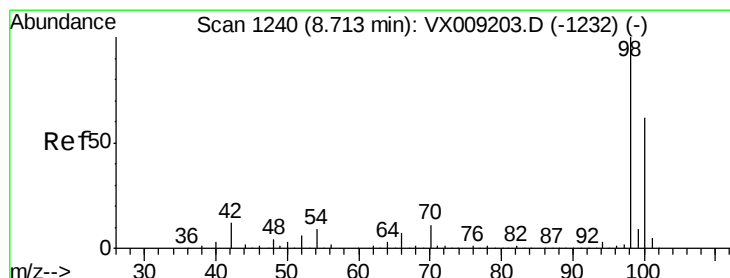
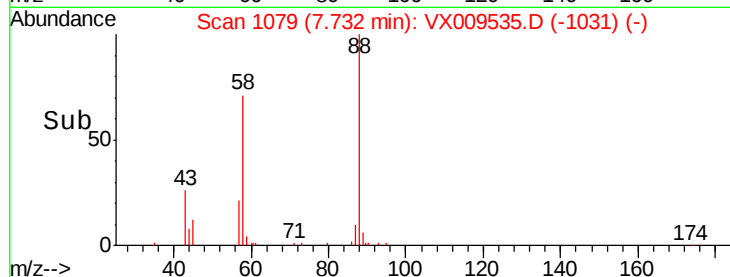
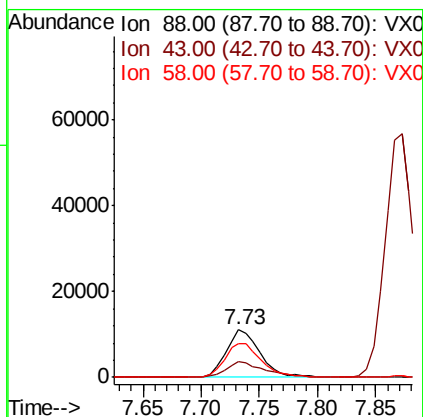
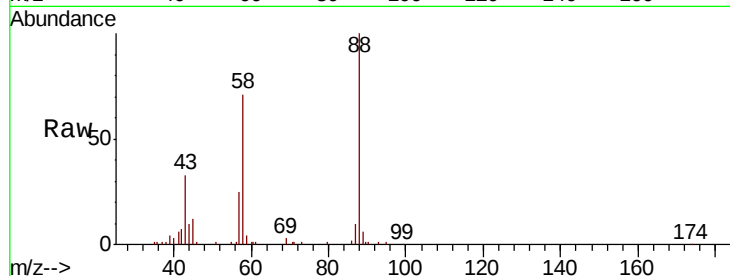




#49
1,4-Dioxane
Concen: 394.715 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

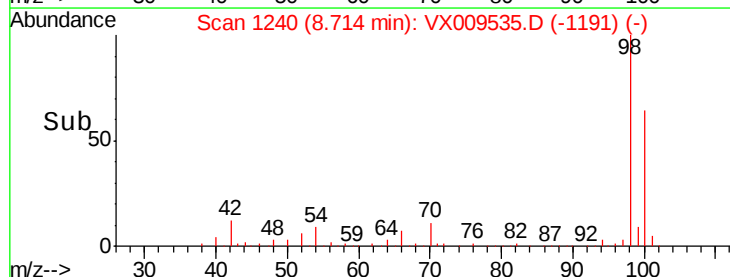
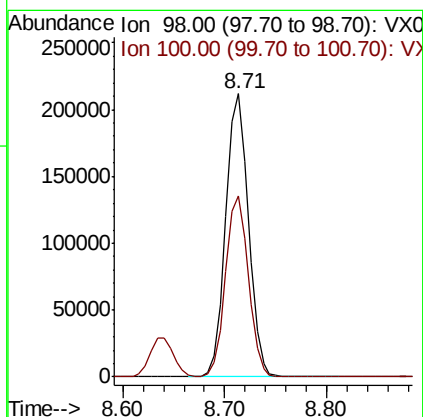
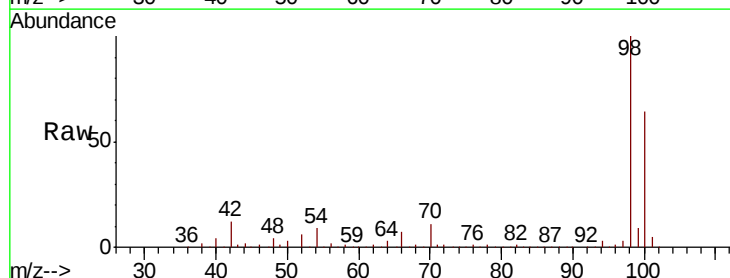
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

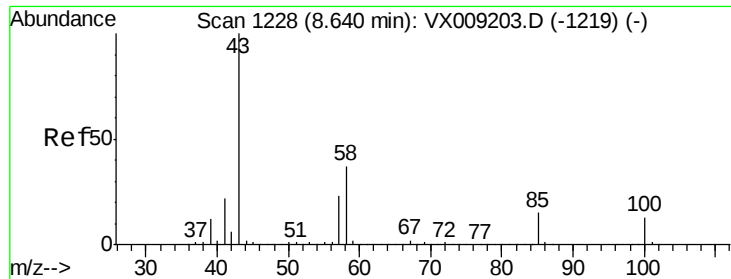
Tot Ion: 88 Resp: 22289
Ion Ratio Lower Upper
88 100
43 36.1 28.6 42.8
58 77.8 61.7 92.5



#50
Toluene-d8
Concen: 47.629 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 98 Resp: 327572
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8

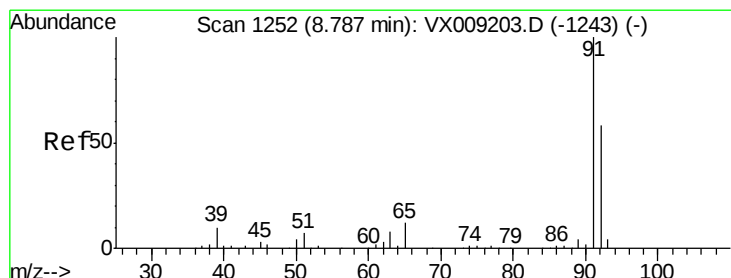
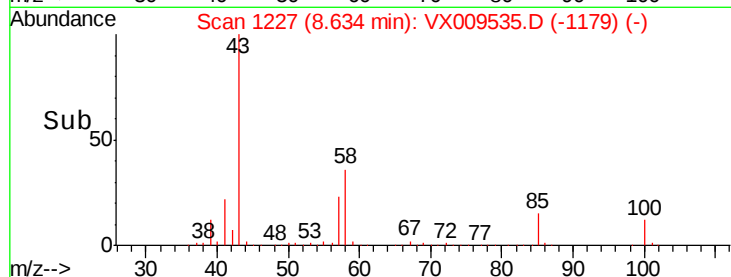
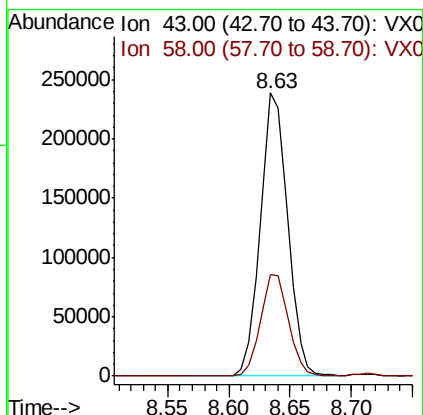
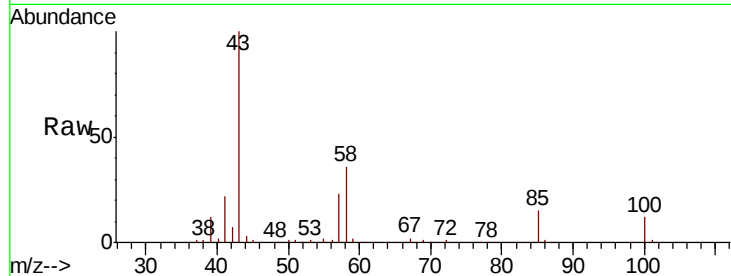




#51
4-Methyl-2-Pentanone
Concen: 101.954 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

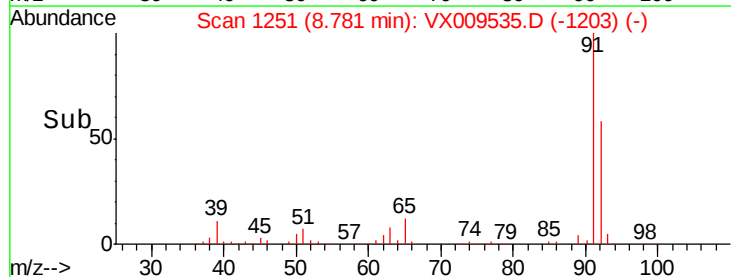
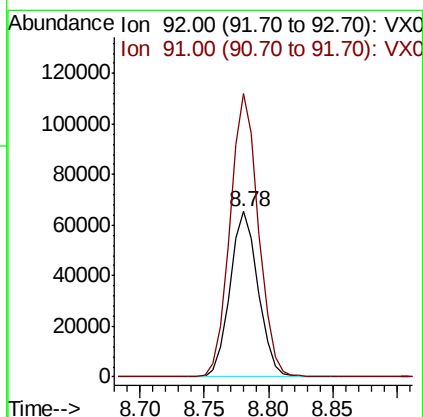
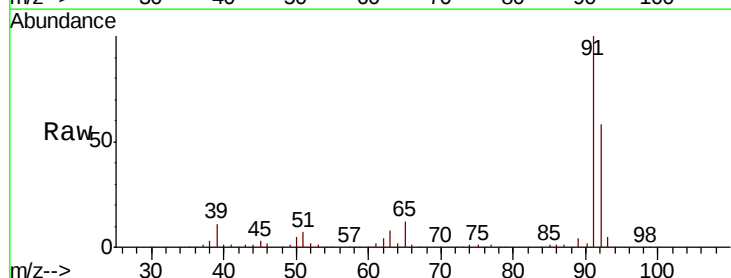
Instrument :
MSVOA_X
ClientSampleID :
VX0513WBS01

Tot Ion: 43 Resp: 374009
Ion Ratio Lower Upper
43 100
58 36.8 29.5 44.3



#52
Toluene
Concen: 21.142 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 92 Resp: 100162
Ion Ratio Lower Upper
92 100
91 172.5 138.8 208.2

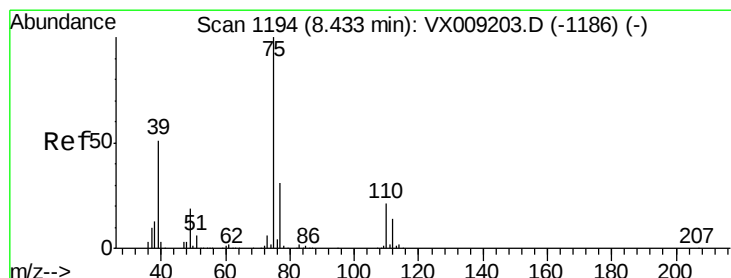
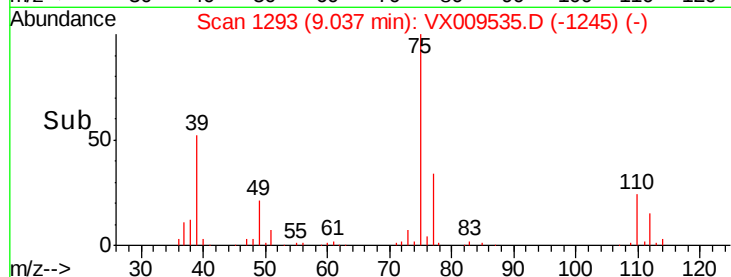
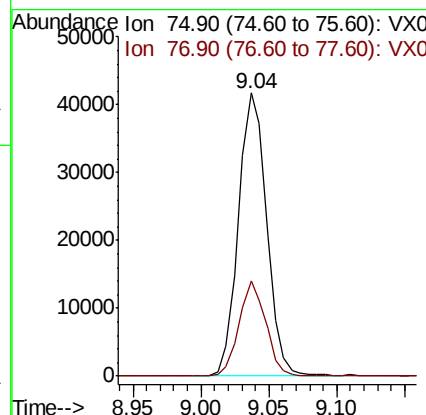
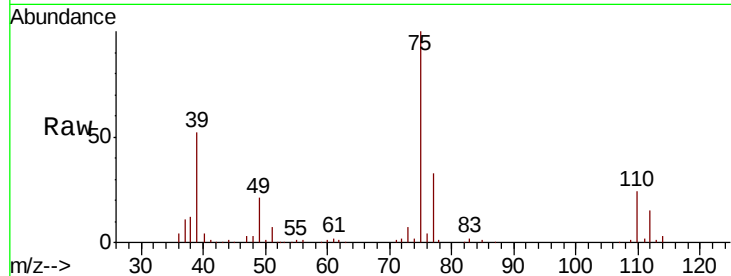




#53
 t-1,3-Dichloropropene
 Concen: 20.925 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

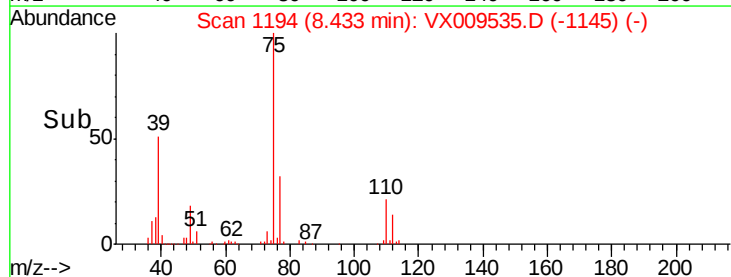
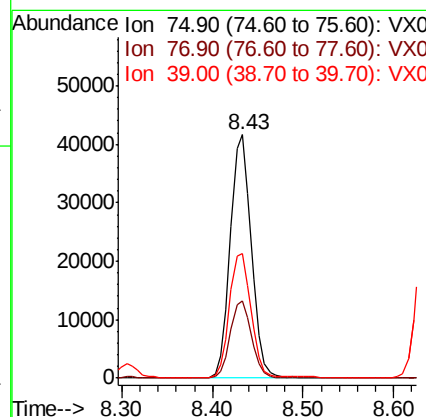
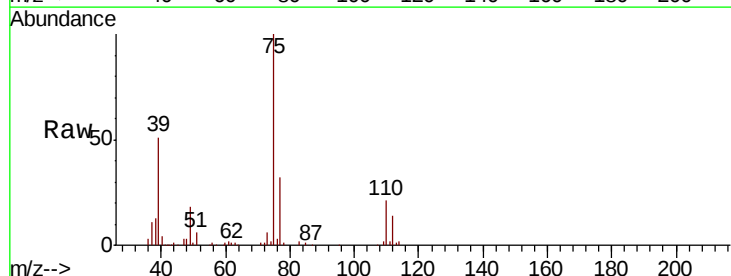
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion: 75 Resp: 60392
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 75 Resp: 67466
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8
 39 50.7 40.6 60.8

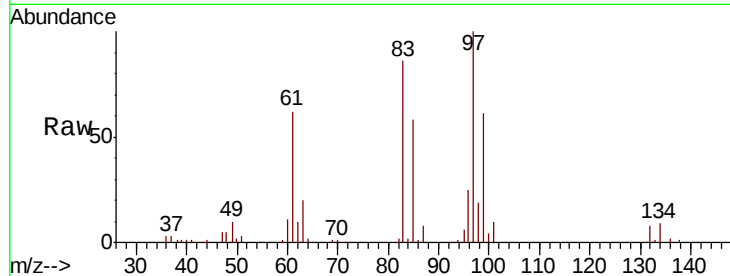




#55
 1,1,2-Trichloroethane
 Concen: 21.132 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion:	97	Resp:	40845
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.9	103.3
85	58.3	43.8	65.6
99	60.9	48.2	72.2



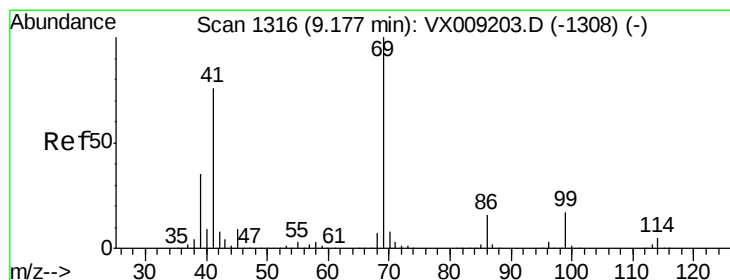
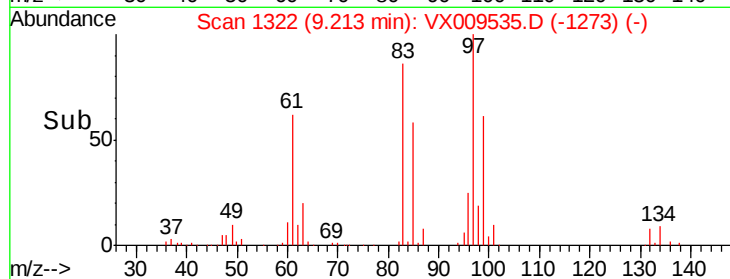
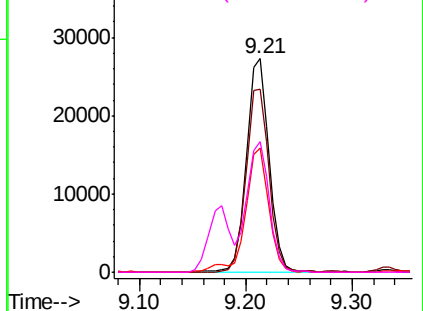
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

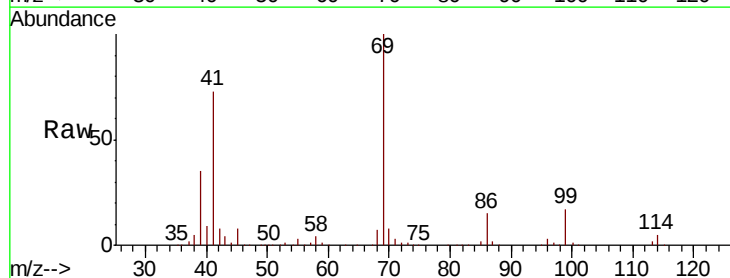
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 20.494 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion:	69	Resp:	70708
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.6	90.8
39	35.4	28.2	42.4

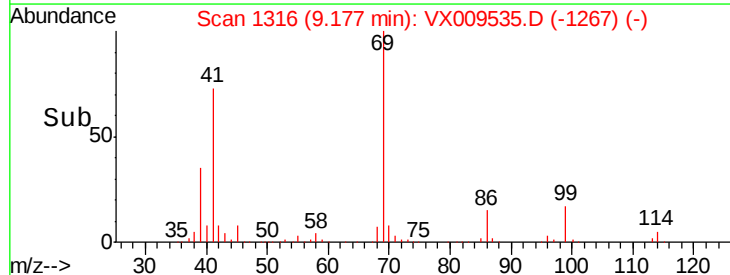
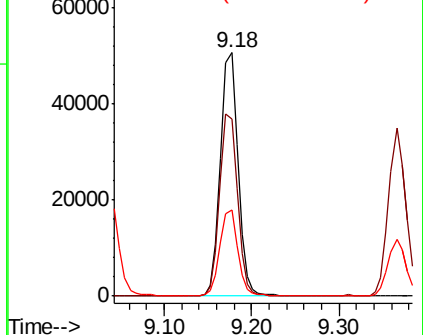


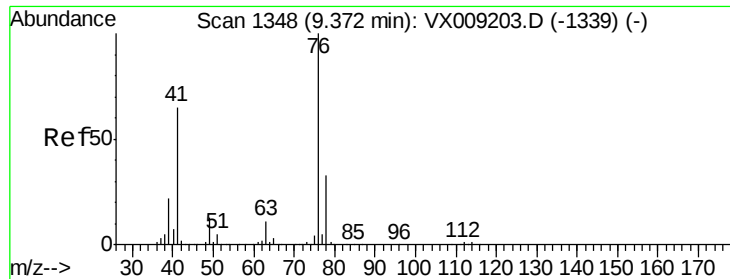
Abundance

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: 20.817 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

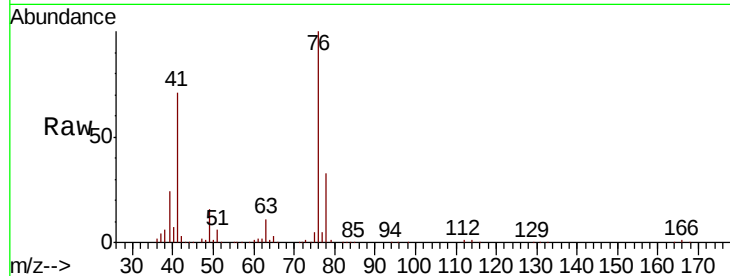
VX0513WBS01

Tot Ion: 76 Resp: 70803

Ion Ratio Lower Upper

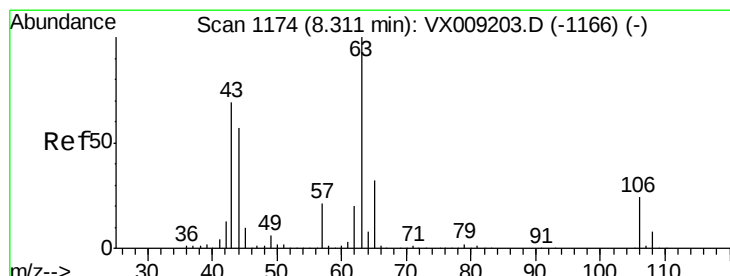
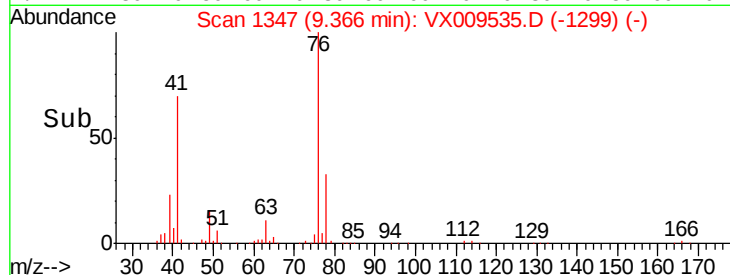
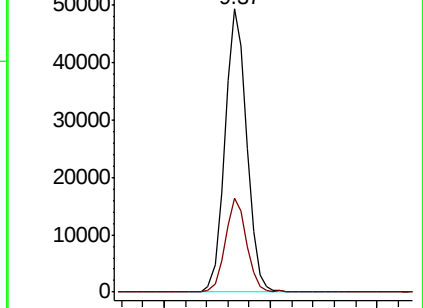
76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 91.087 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009535.D

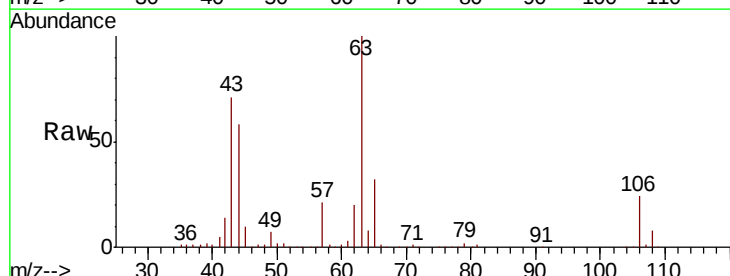
Acq: 13 May 2019 12:02

Tgt Ion: 63 Resp: 166717

Ion Ratio Lower Upper

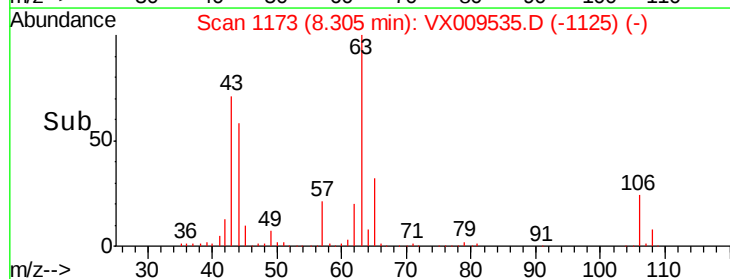
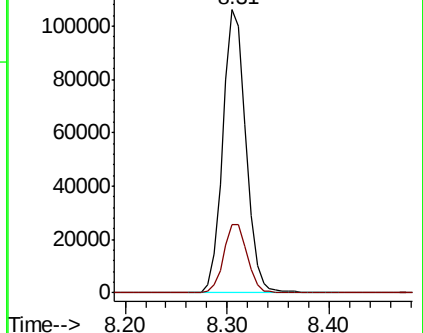
63 100

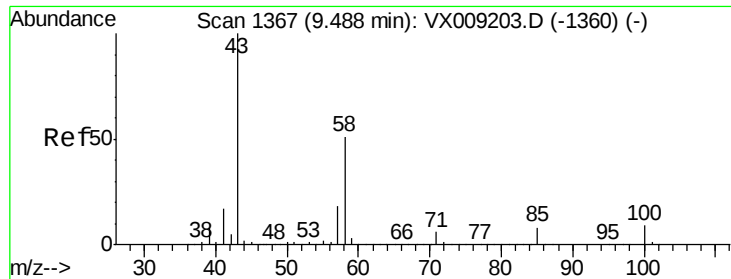
106 24.7 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

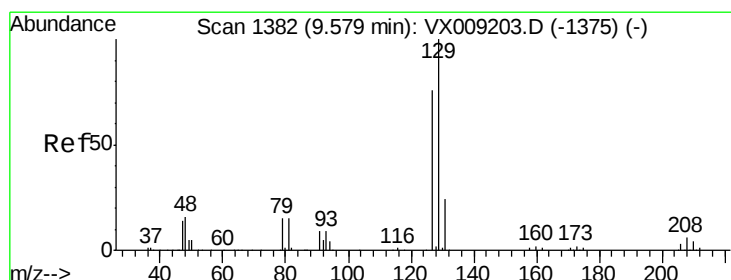
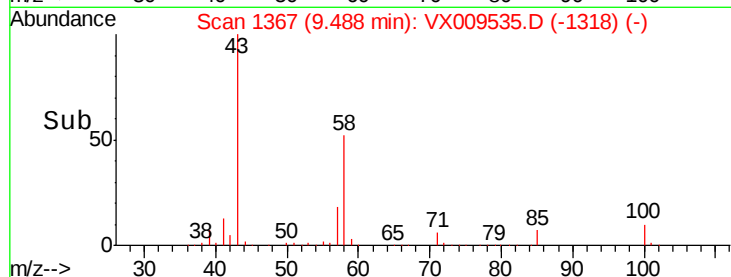
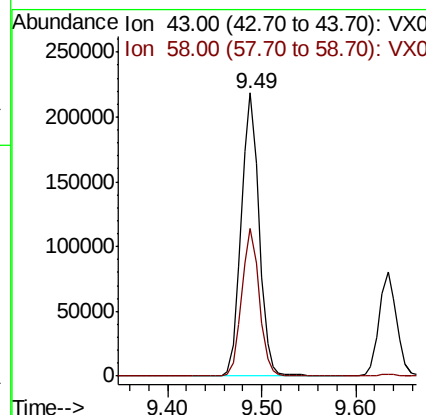
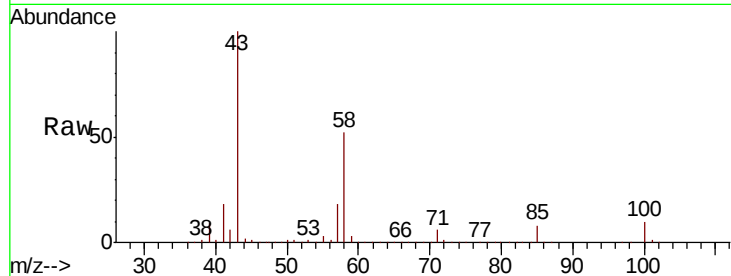




#59
2-Hexanone
Concen: 100.072 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

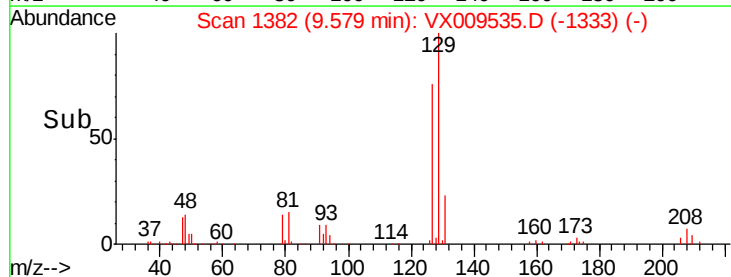
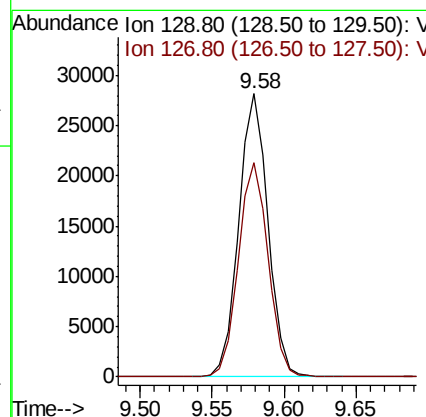
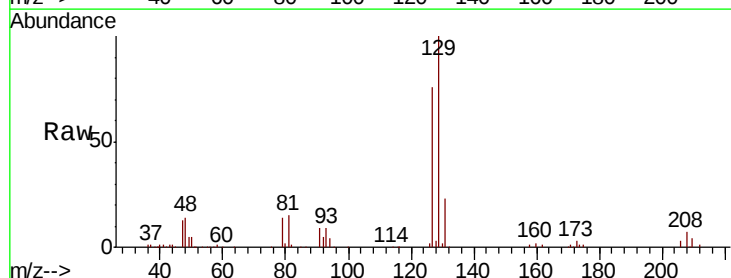
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

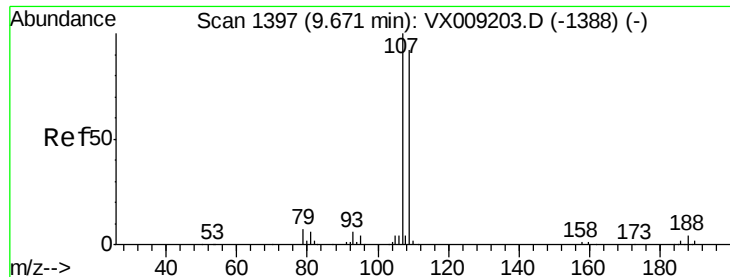
Tot Ion: 43 Resp: 288319
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.7



#60
Dibromochloromethane
Concen: 21.057 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 129 Resp: 39750
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.055 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

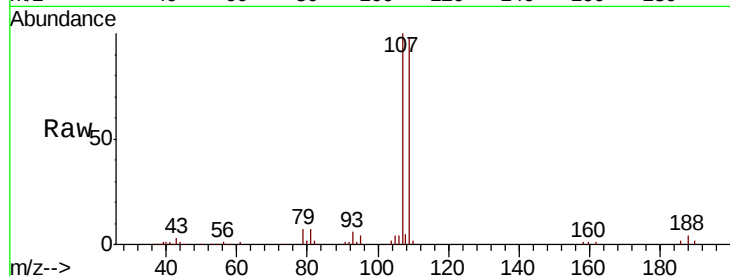
VX0513WBS01

Tot Ion:107 Resp: 41079

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

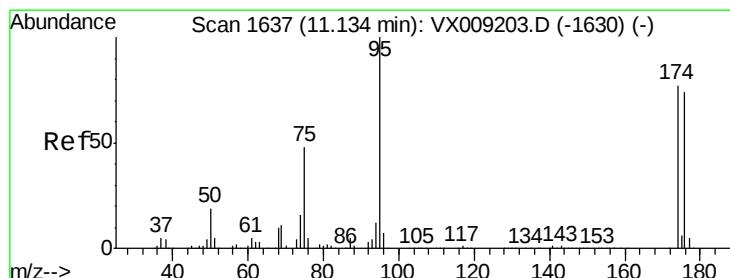
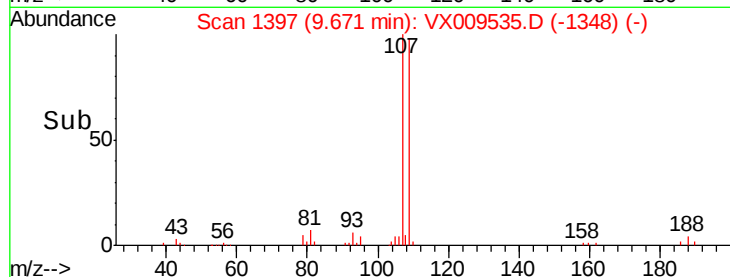
10000

5000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

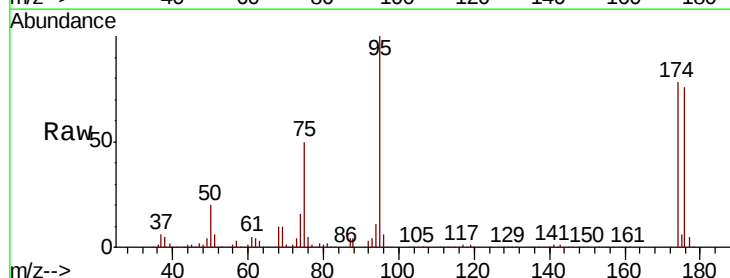
Tgt Ion: 95 Resp: 120134

Ion Ratio Lower Upper

95 100

174 82.7 0.0 161.6

176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

120000

100000

80000

60000

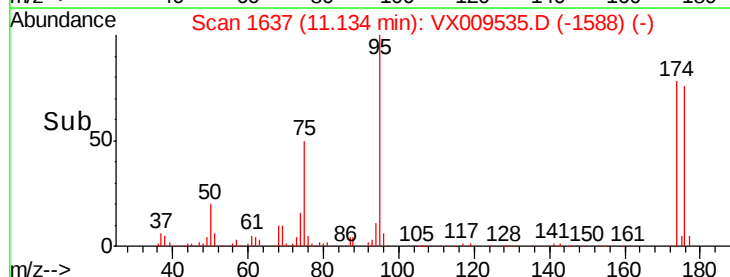
40000

20000

0

11.10 11.20

Time-->

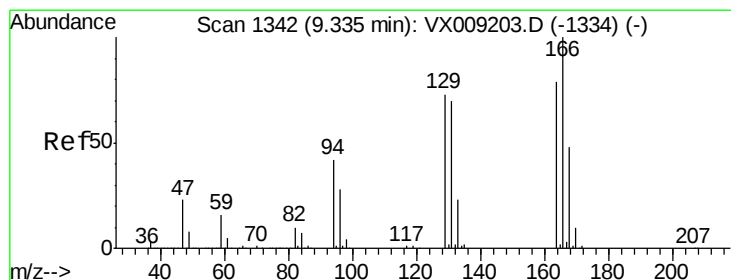
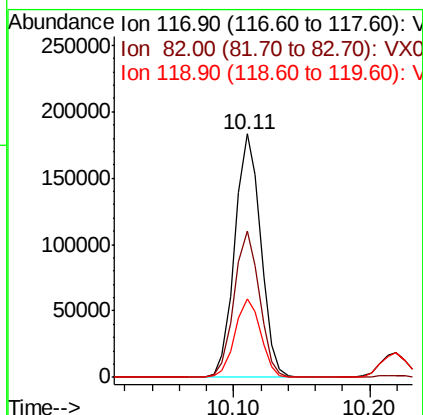
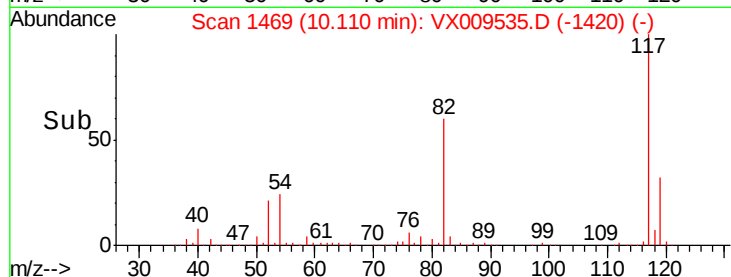
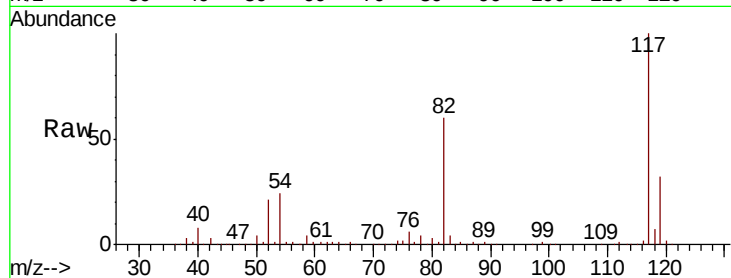




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

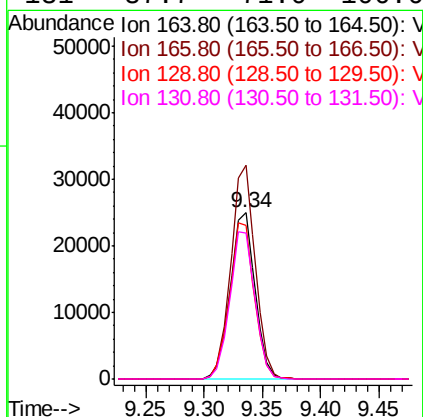
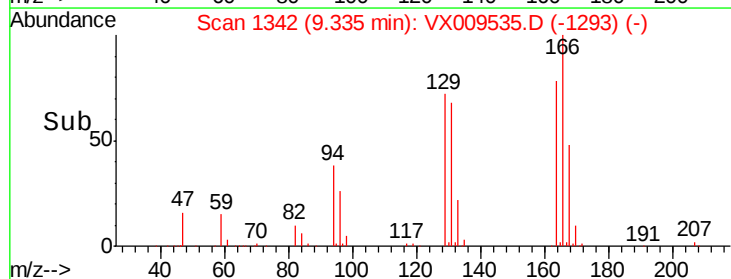
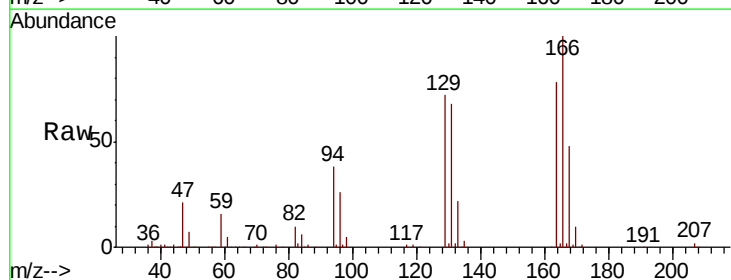
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

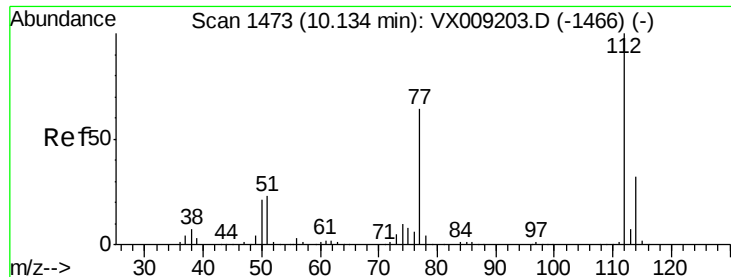
Tot Ion:117 Resp: 243606
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 22.274 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion:164 Resp: 37221
Ion Ratio Lower Upper
164 100
166 128.4 101.2 151.8
129 92.0 74.3 111.5
131 87.7 71.0 106.6

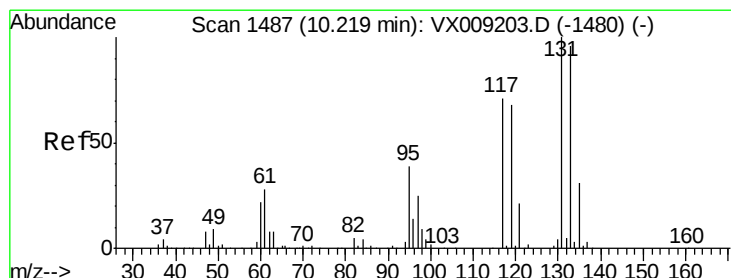
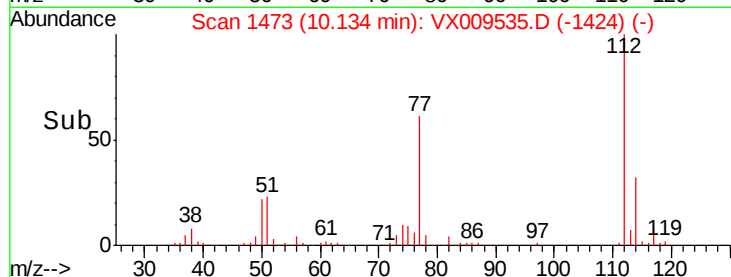
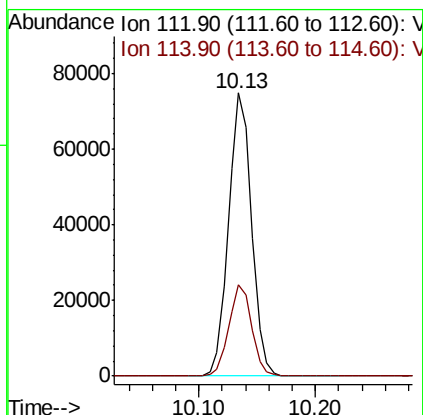
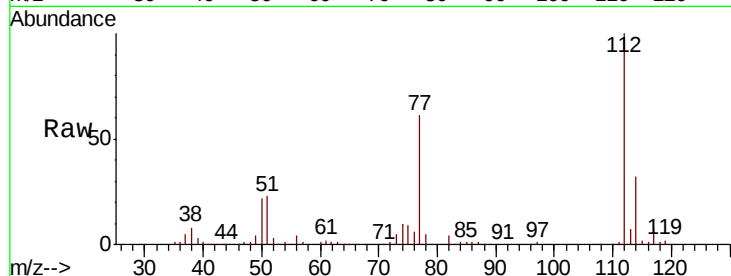




#65
Chlorobenzene
Concen: 21.100 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

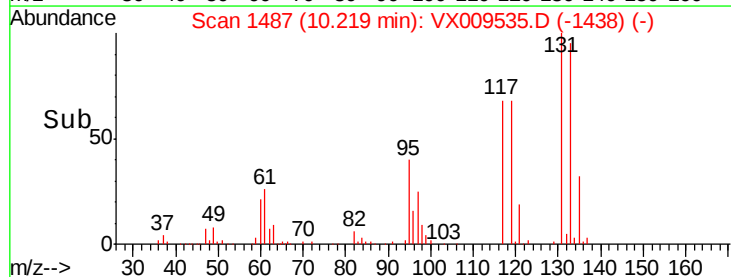
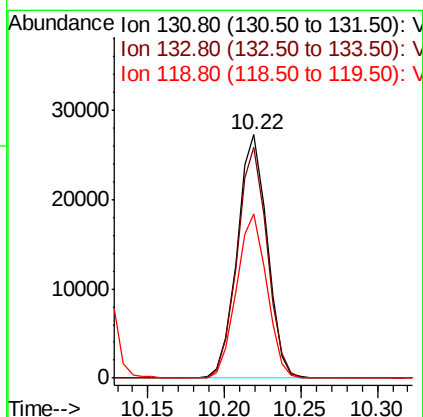
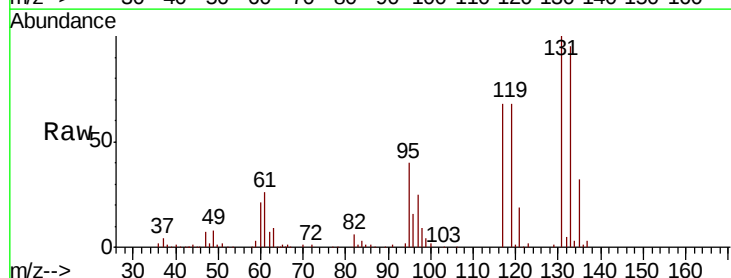
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

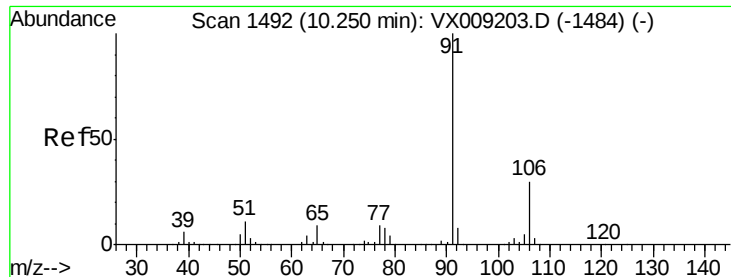
Tot Ion:112 Resp: 102823
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.019 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion:131 Resp: 37136
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 68.1 33.5 100.4





#67

Ethyl Benzene

Concen: 21.562 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampled :

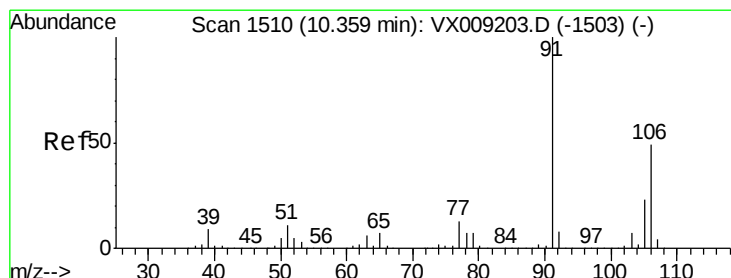
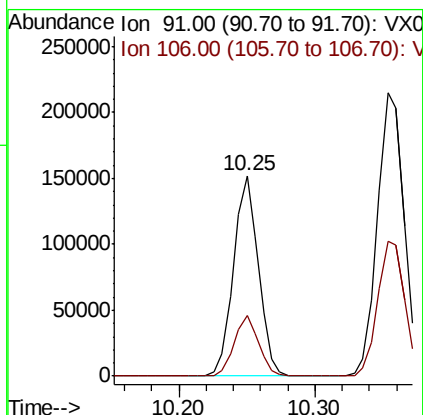
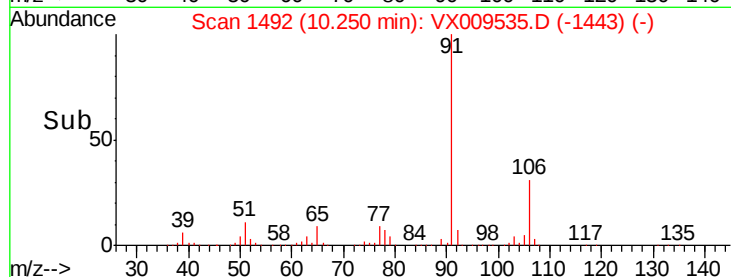
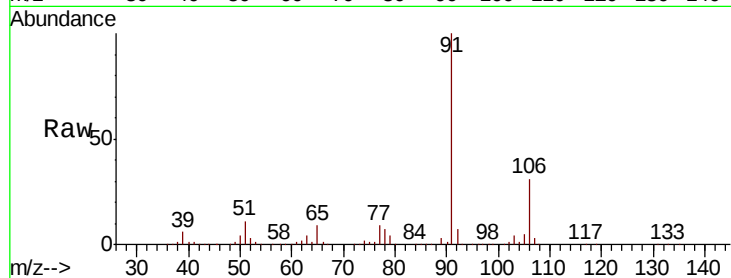
VX0513WBS01

Tot Ion: 91 Resp: 193381

Ion Ratio Lower Upper

91 100

106 30.5 24.0 36.0



#68

m/p-Xylenes

Concen: 43.315 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009535.D

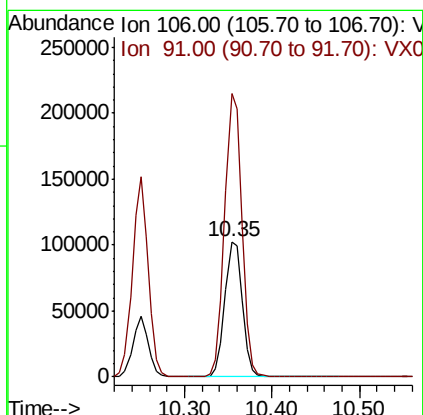
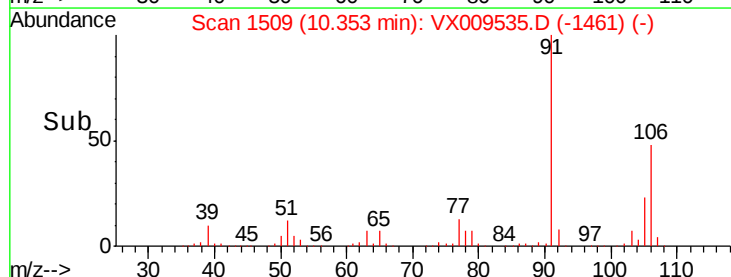
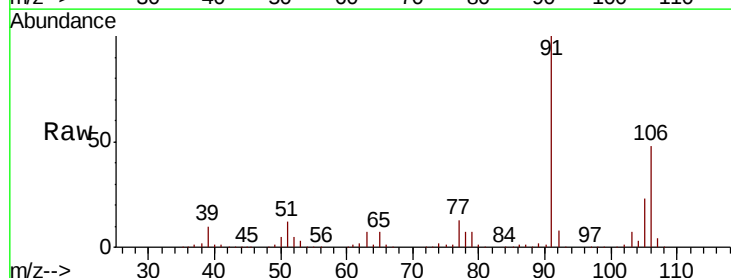
Acq: 13 May 2019 12:02

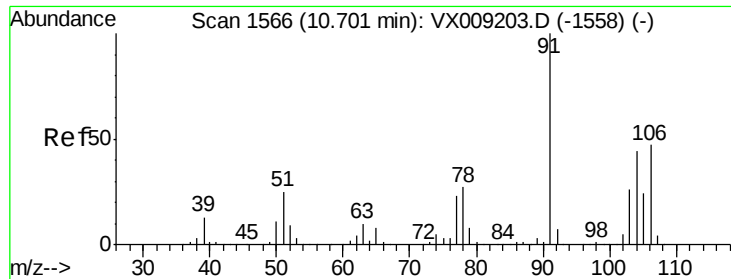
Tgt Ion: 106 Resp: 141960

Ion Ratio Lower Upper

106 100

91 206.0 164.0 246.0

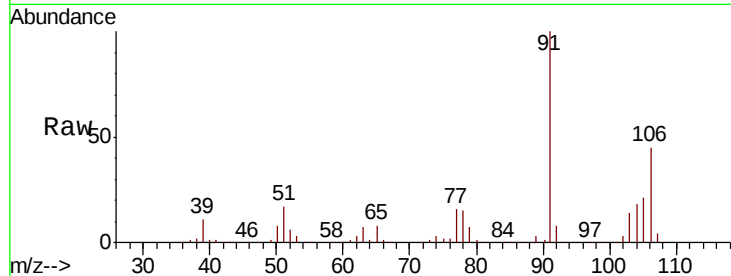




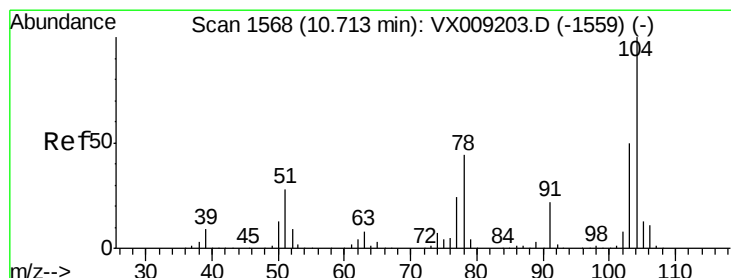
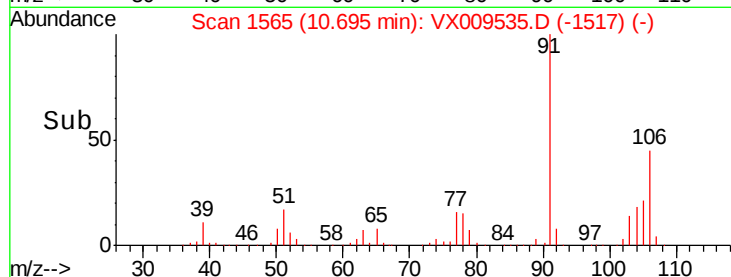
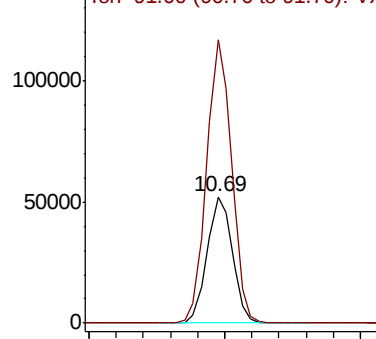
#69
o-Xylene
Concen: 20.901 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion:106 Resp: 67586
Ion Ratio Lower Upper
106 100
91 221.0 109.5 328.4

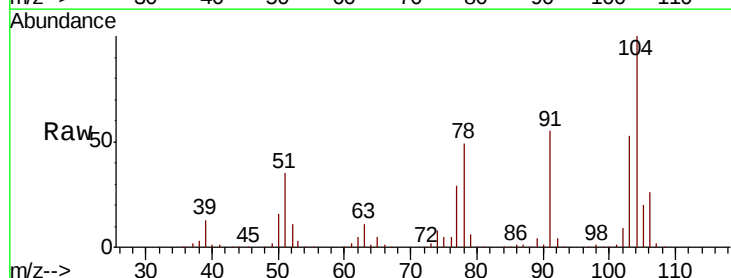


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

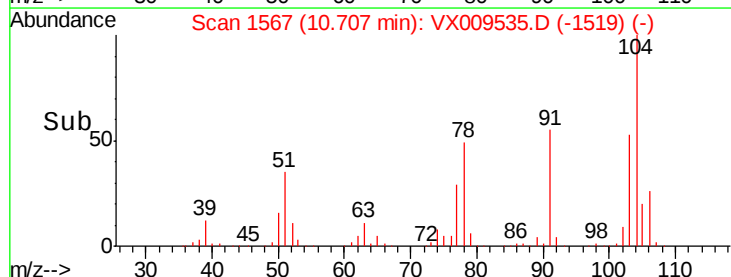
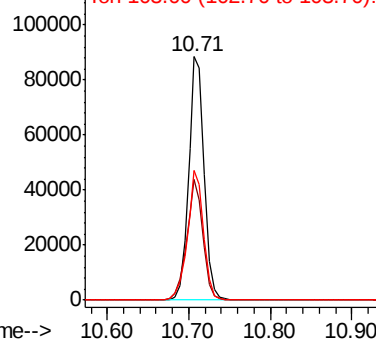


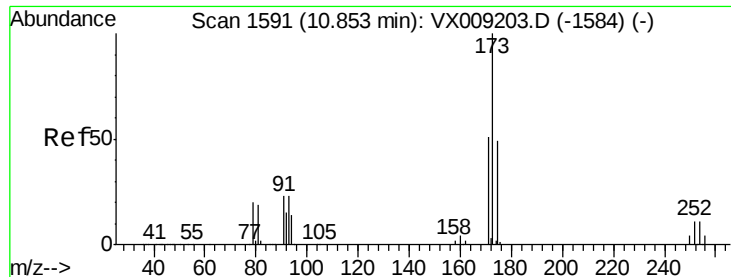
#70
Styrene
Concen: 21.066 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion:104 Resp: 118396
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 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: 20.823 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

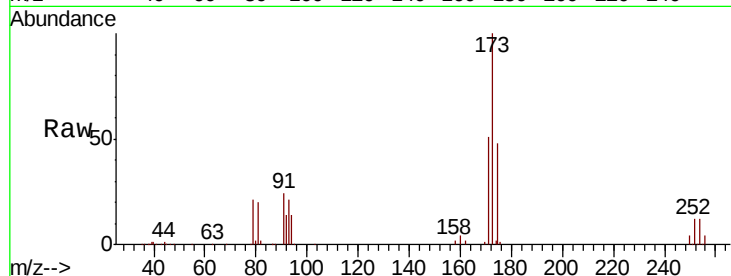
Tot Ion:173 Resp: 29896

Ion Ratio Lower Upper

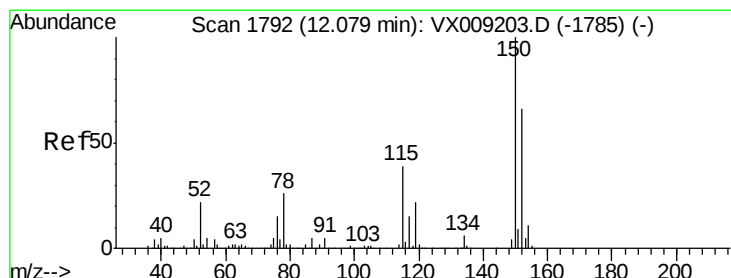
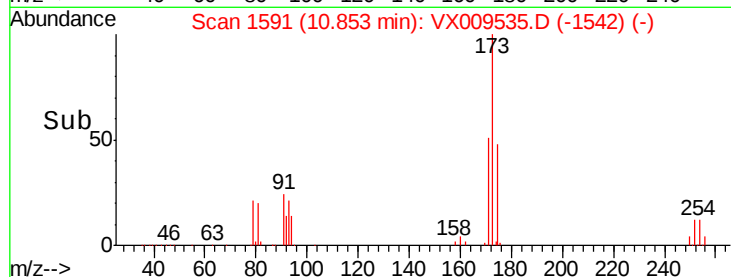
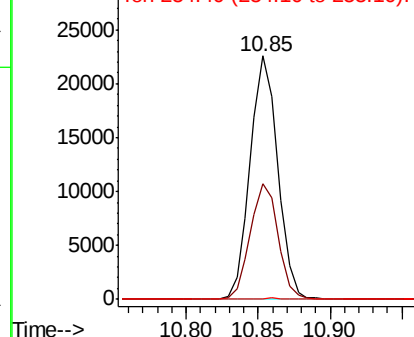
173 100

175 47.9 24.5 73.5

254 0.2 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: VX009535.D

Acq: 13 May 2019 12:02

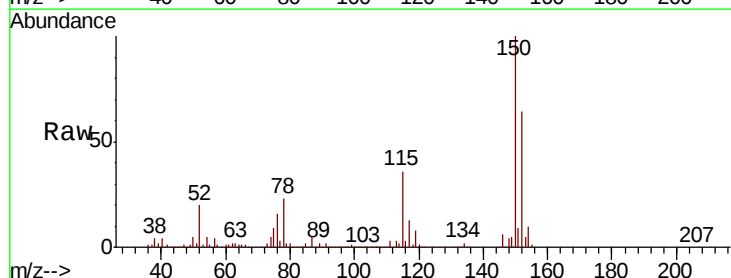
Tgt Ion:152 Resp: 122104

Ion Ratio Lower Upper

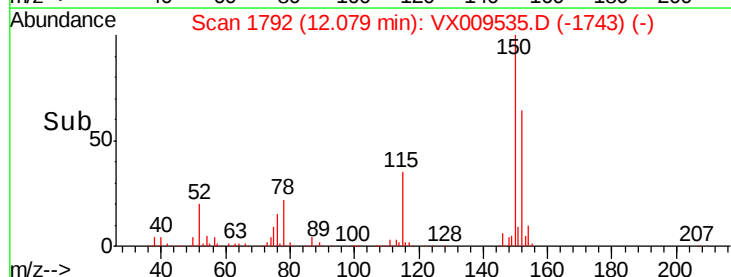
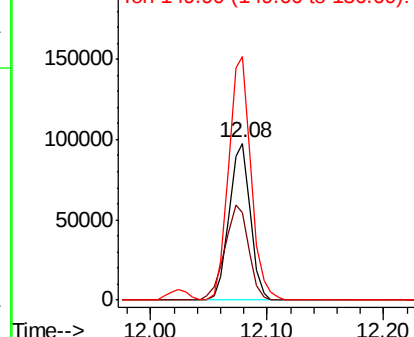
152 100

115 68.4 41.2 123.6

150 164.2 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: 20.823 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

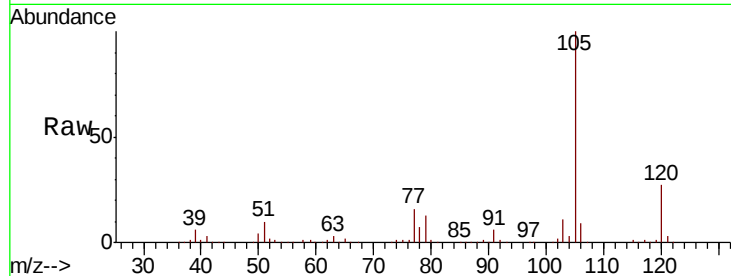
VX0513WBS01

Tot Ion:105 Resp: 184895

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

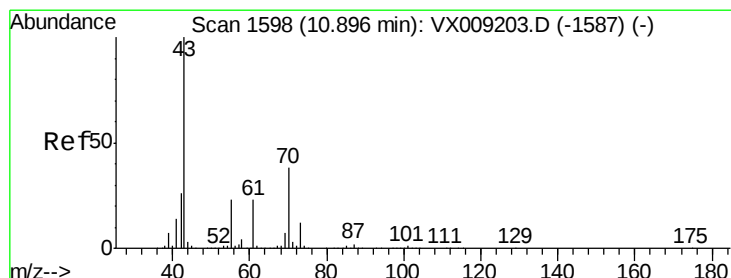
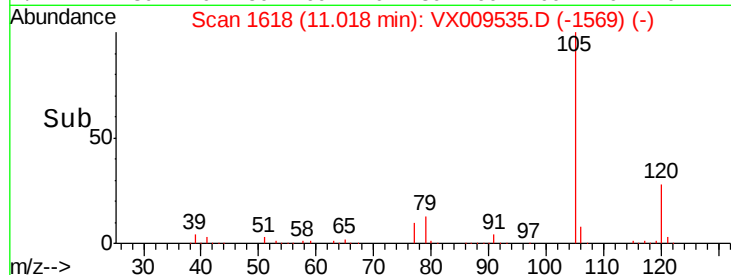
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.434 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Tgt Ion: 43 Resp: 100603

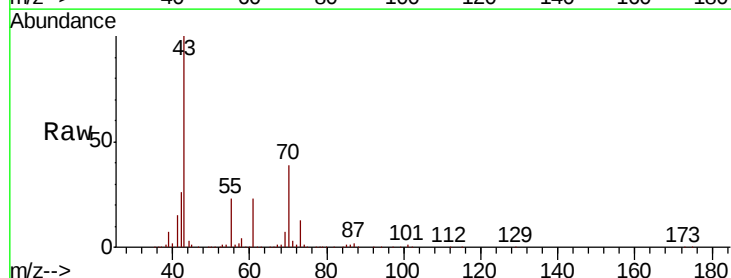
Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 23.0 17.9 26.9

61 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

120000

100000

80000

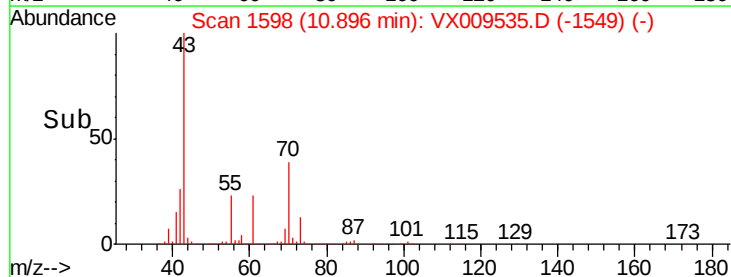
60000

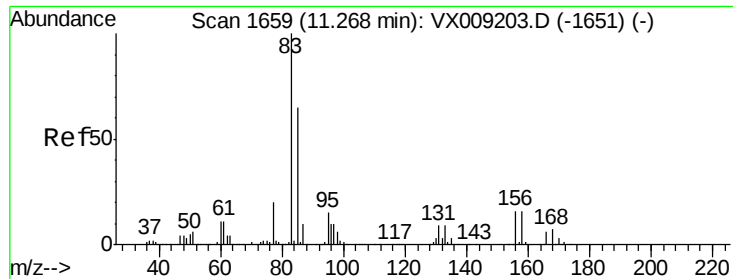
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.496 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

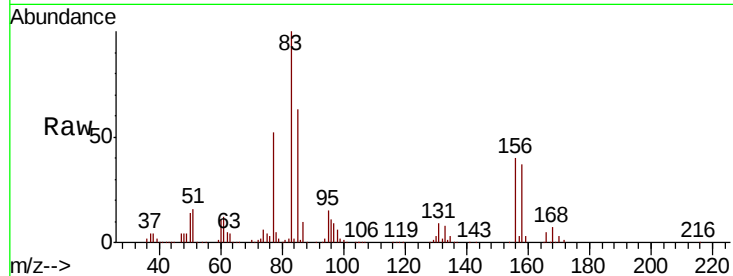
Tot Ion: 83 Resp: 64532

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

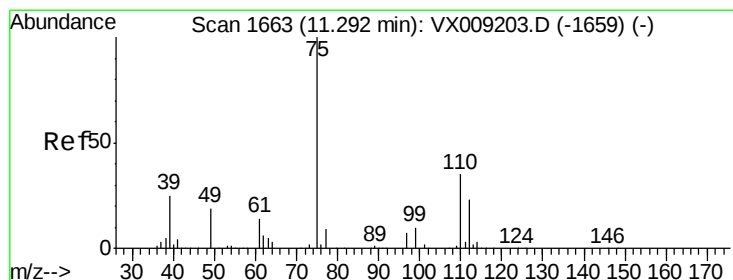
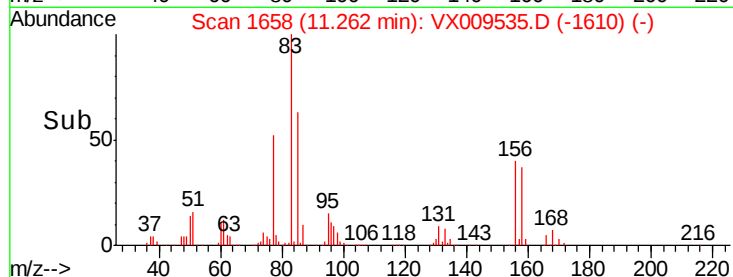
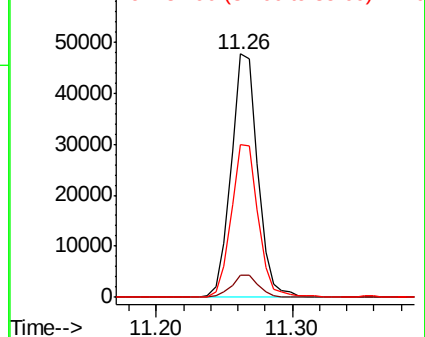
85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.365 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009535.D

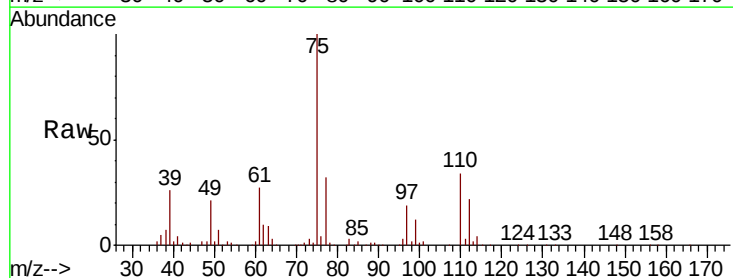
Acq: 13 May 2019 12:02

Tgt Ion: 75 Resp: 74676

Ion Ratio Lower Upper

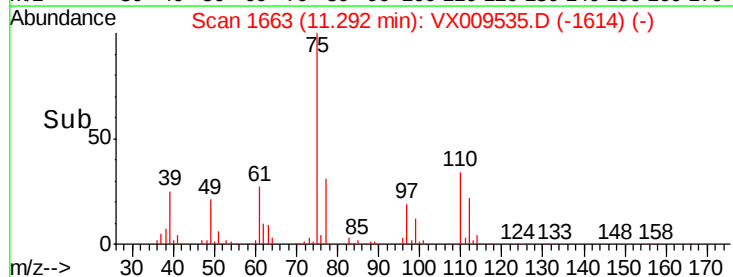
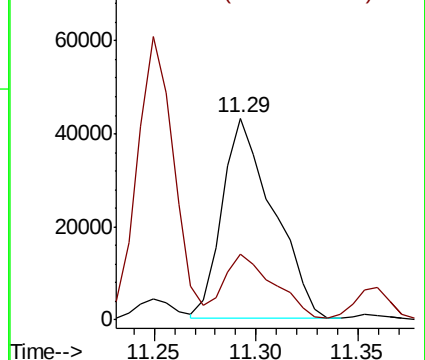
75 100

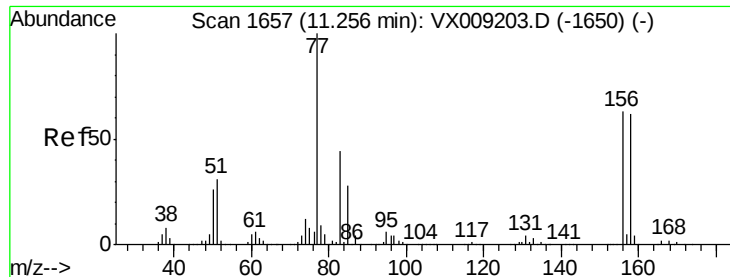
77 32.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.740 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

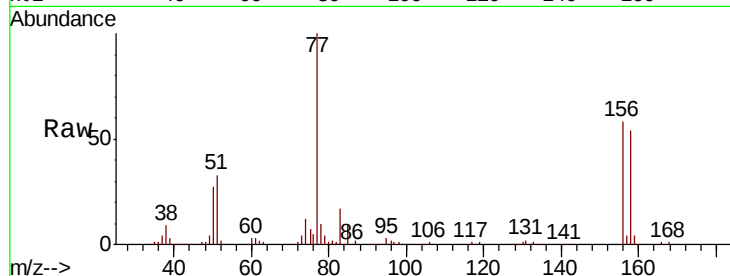
Tot Ion:156 Resp: 45708

Ion Ratio Lower Upper

156 100

77 166.9 84.8 254.3

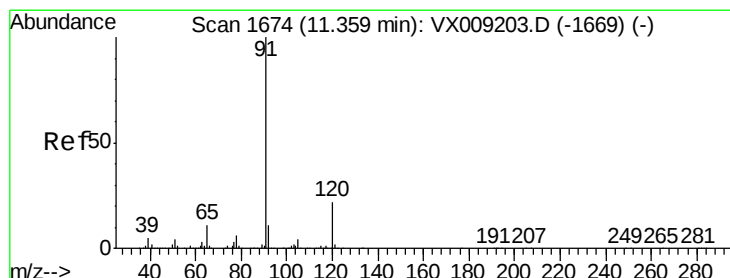
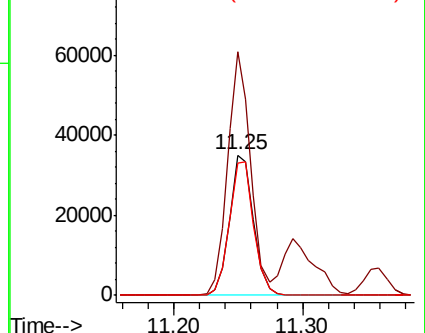
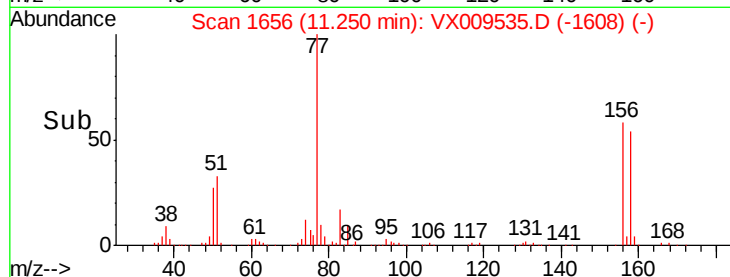
158 97.4 49.1 147.3



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: 21.189 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009535.D

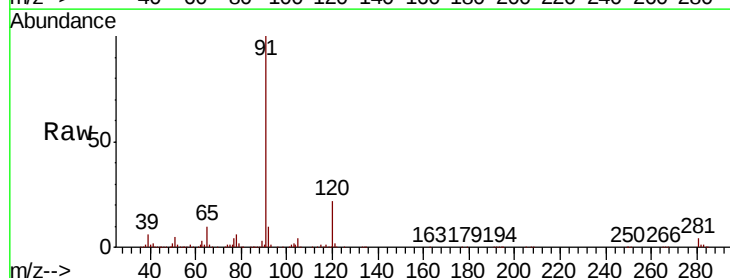
Acq: 13 May 2019 12:02

Tgt Ion: 91 Resp: 214873

Ion Ratio Lower Upper

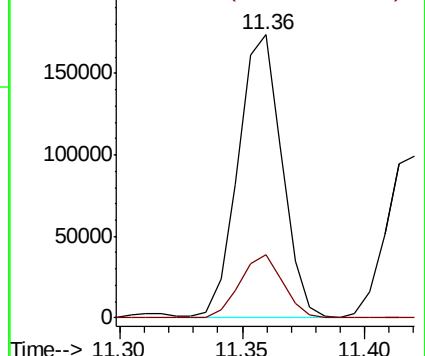
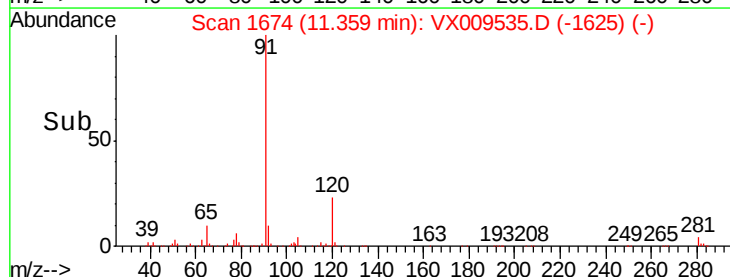
91 100

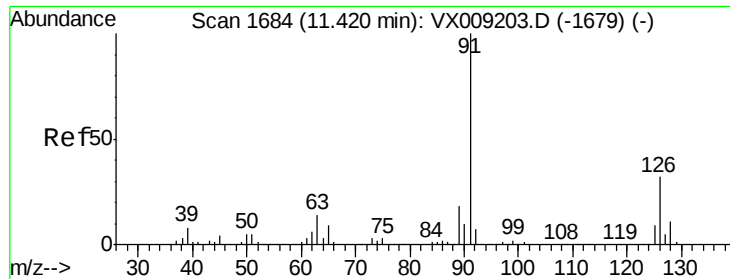
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

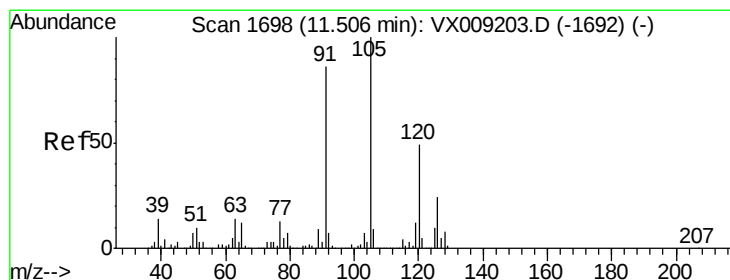
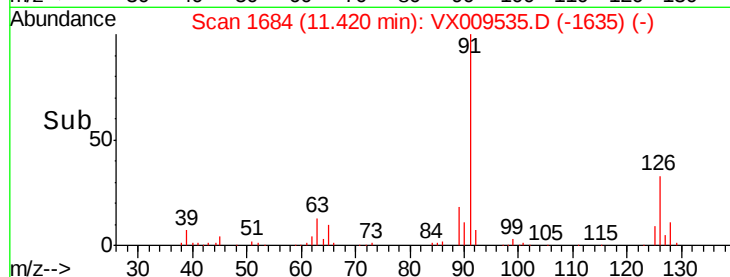
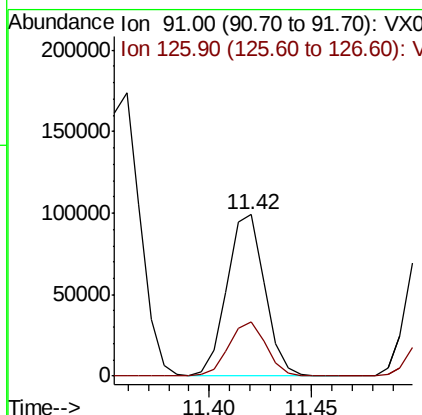
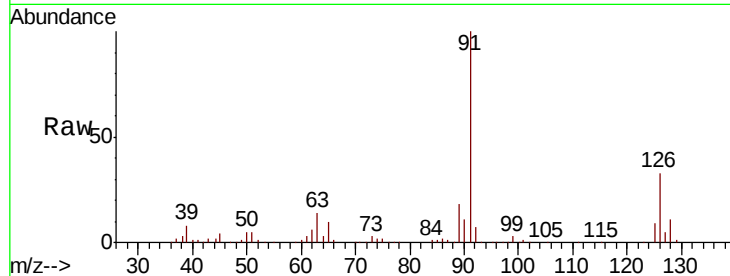




#79
 2-Chlorotoluene
 Concen: 20.156 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

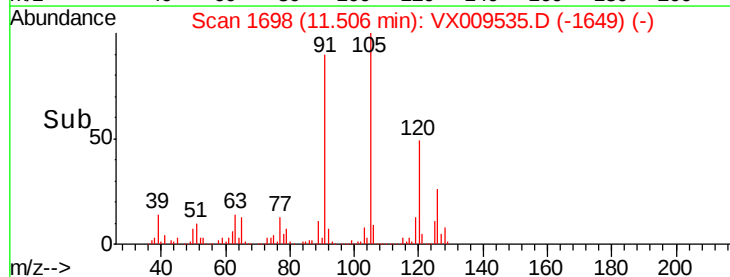
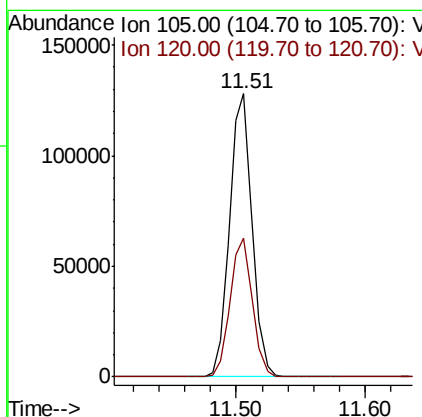
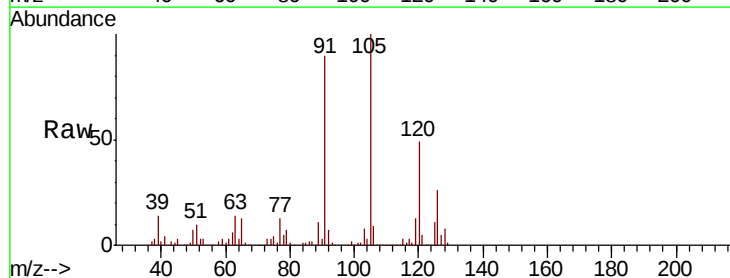
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

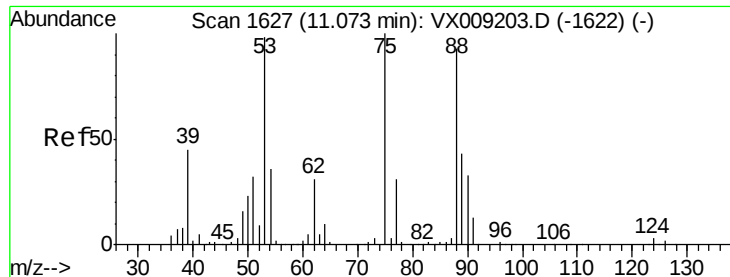
Tot Ion: 91 Resp: 126098
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.029 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 105 Resp: 157217
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.341 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

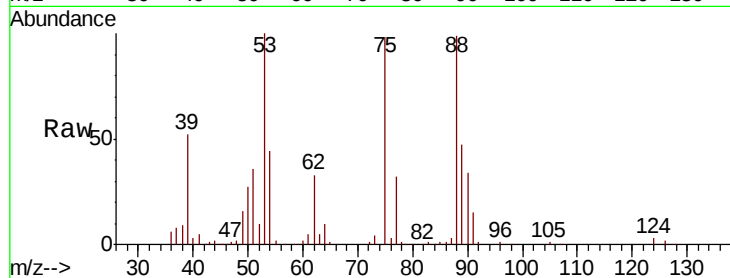
Tot Ion: 75 Resp: 21410

Ion Ratio Lower Upper

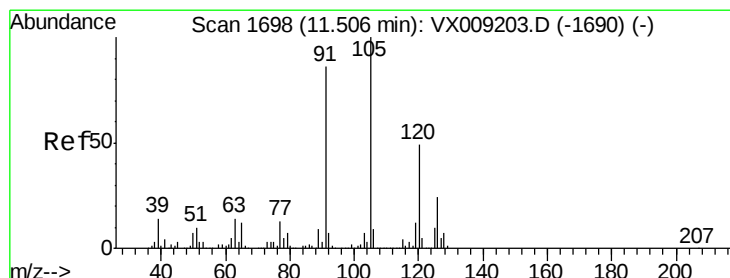
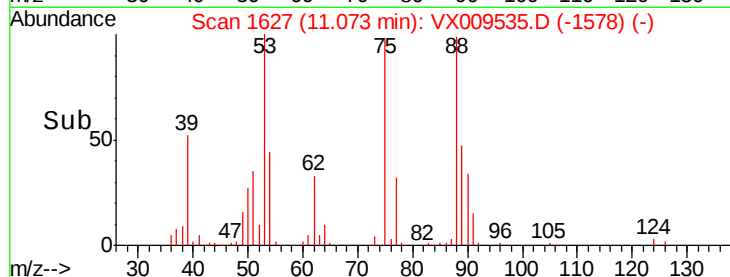
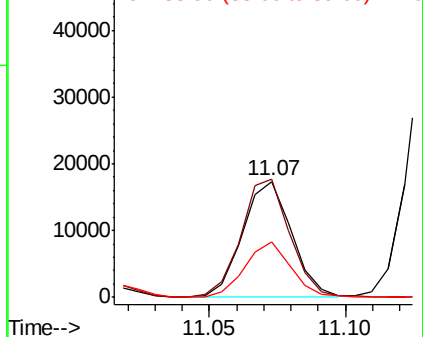
75 100

53 102.3 79.0 118.6

89 45.5 34.7 52.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.745 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009535.D

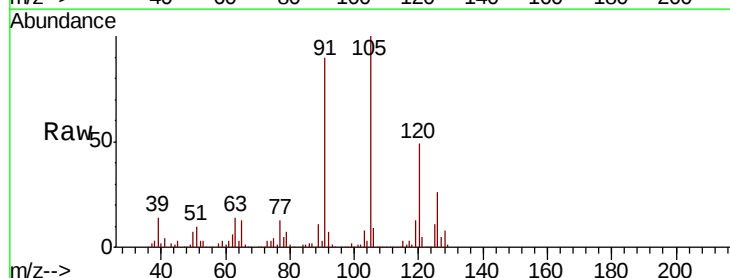
Acq: 13 May 2019 12:02

Tgt Ion: 91 Resp: 146623

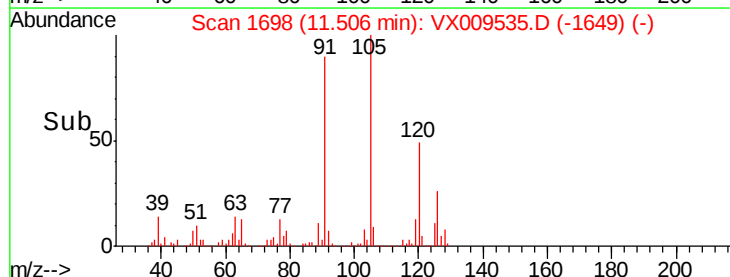
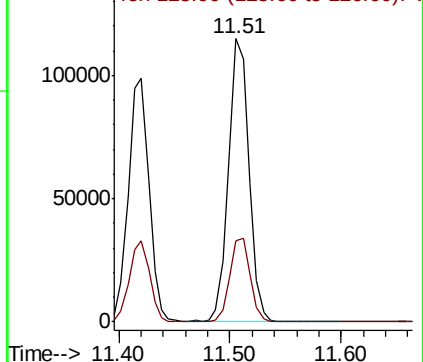
Ion Ratio Lower Upper

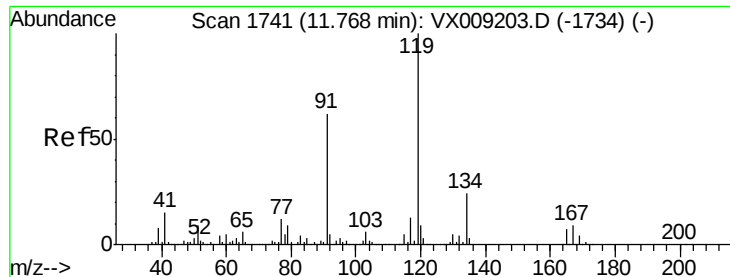
91 100

126 29.5 14.5 43.6



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





#83

tert-Butylbenzene

Concen: 20.743 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

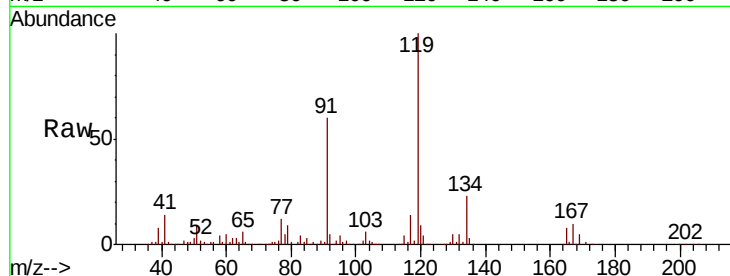
Tot Ion:119 Resp: 150862

Ion Ratio Lower Upper

119 100

91 59.1 29.5 88.5

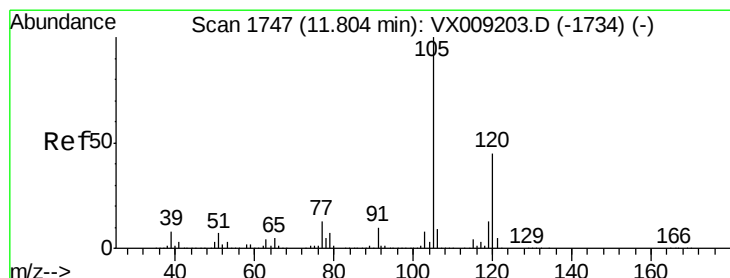
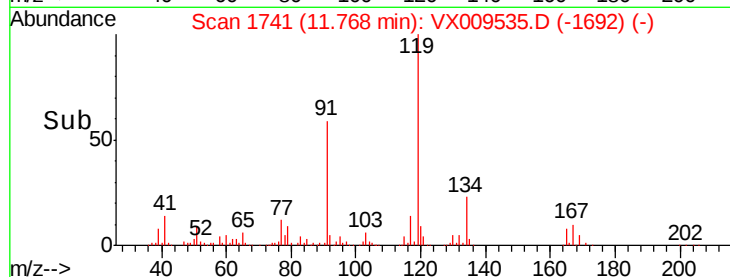
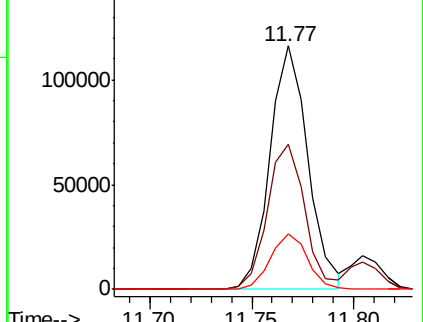
134 22.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.058 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009535.D

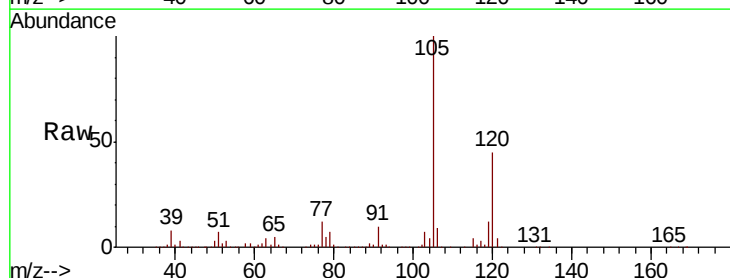
Acq: 13 May 2019 12:02

Tgt Ion:105 Resp: 158024

Ion Ratio Lower Upper

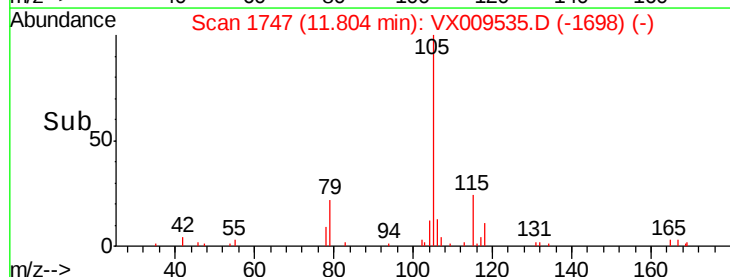
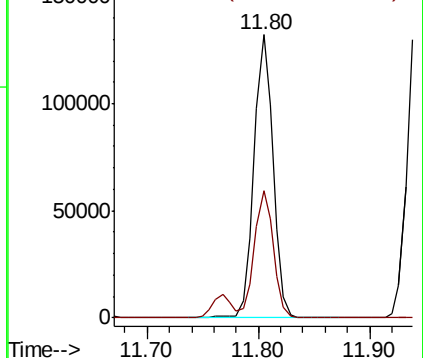
105 100

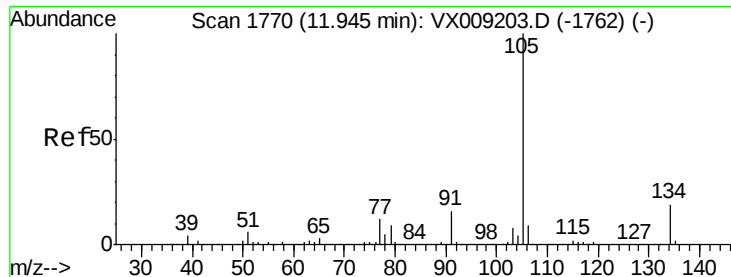
120 45.0 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.972 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

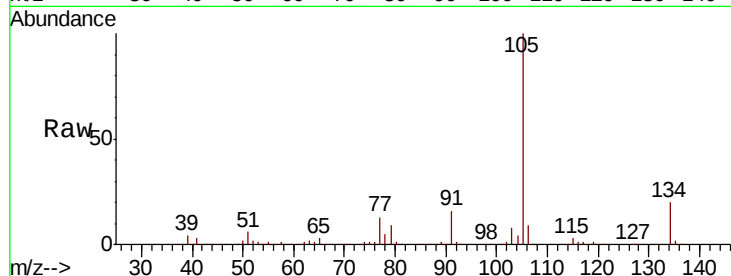
VX0513WBS01

Tot Ion:105 Resp: 180838

Ion Ratio Lower Upper

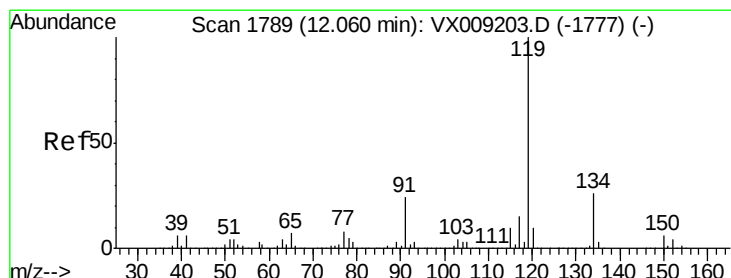
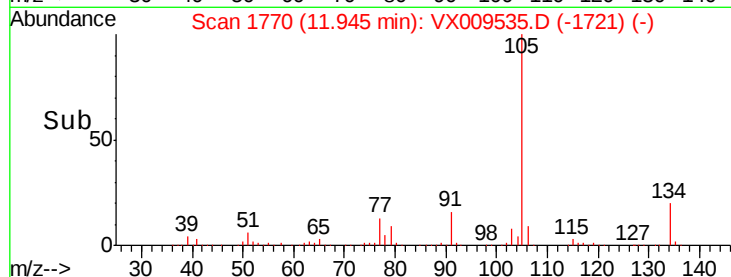
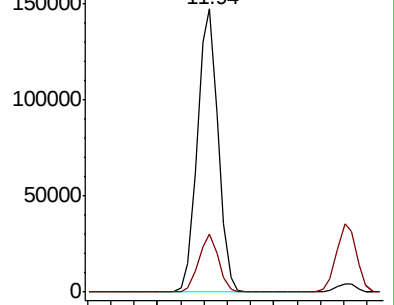
105 100

134 19.8 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.463 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

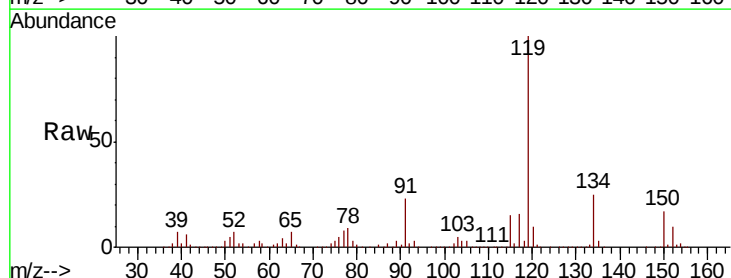
Tgt Ion:119 Resp: 166375

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

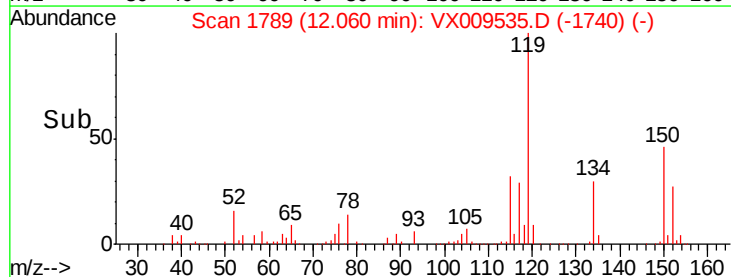
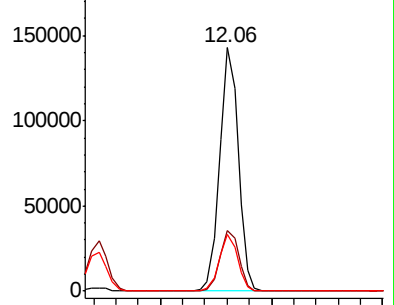
91 23.3 11.8 35.4

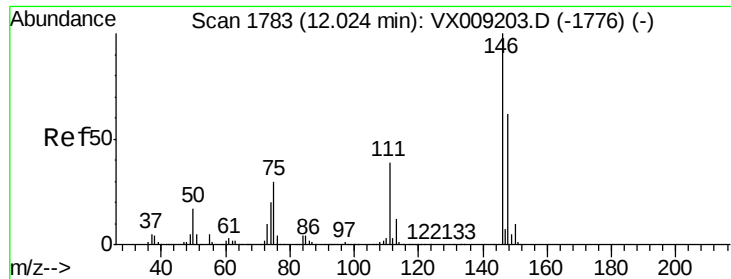


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.831 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

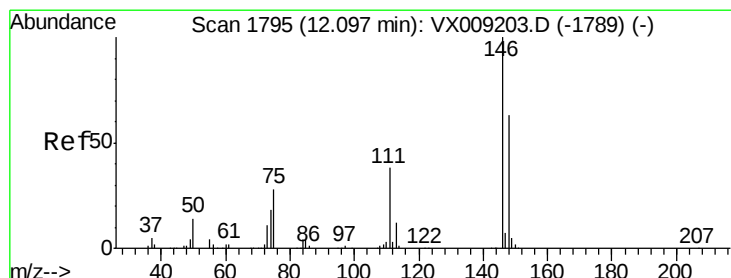
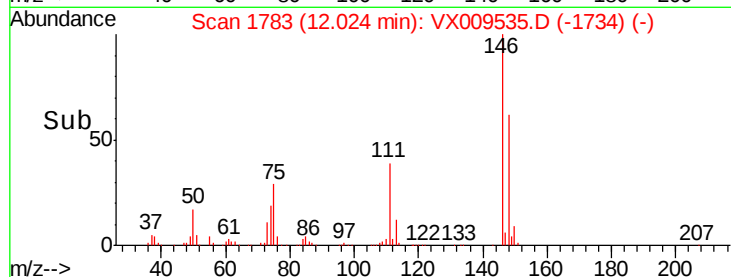
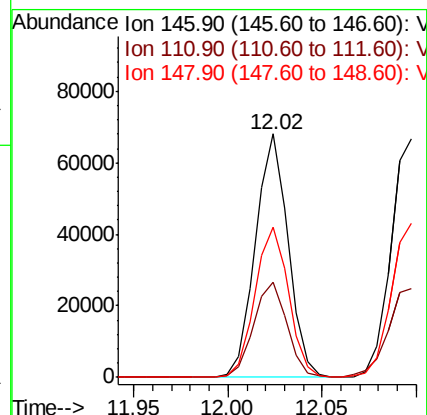
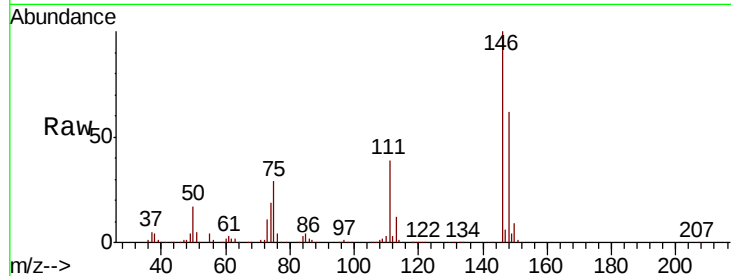
Tot Ion:146 Resp: 81840

Ion Ratio Lower Upper

146 100

111 40.0 20.0 59.9

148 63.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 20.665 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

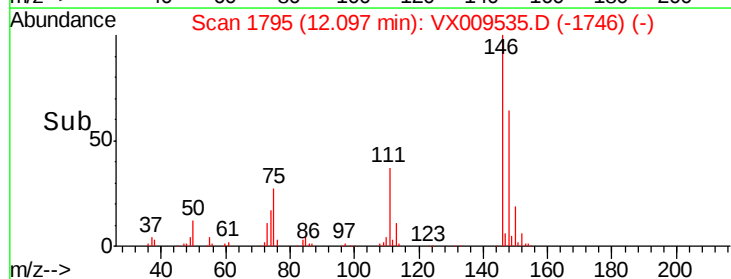
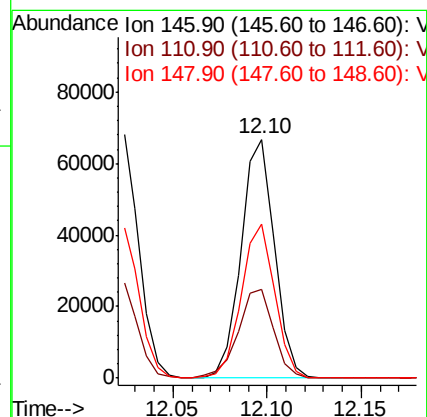
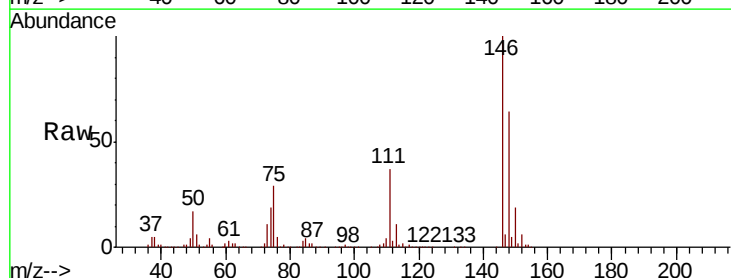
Tgt Ion:146 Resp: 81852

Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.8

148 64.6 31.8 95.3

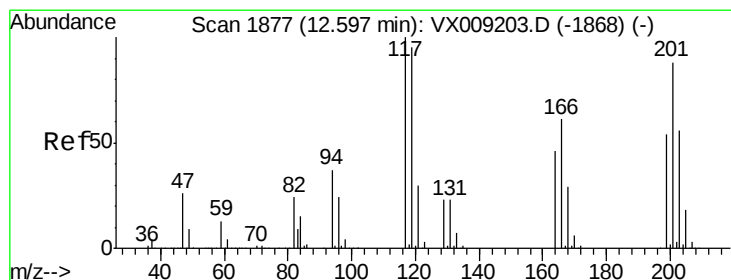
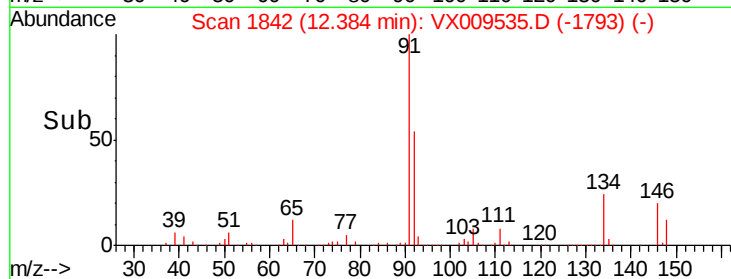
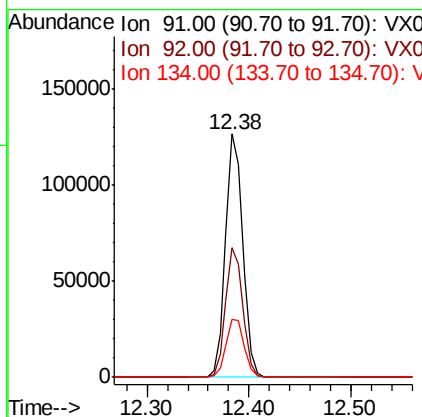
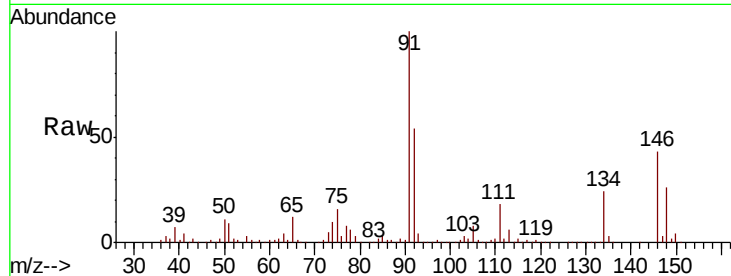




#89
n-Butylbenzene
Concen: 21.316 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

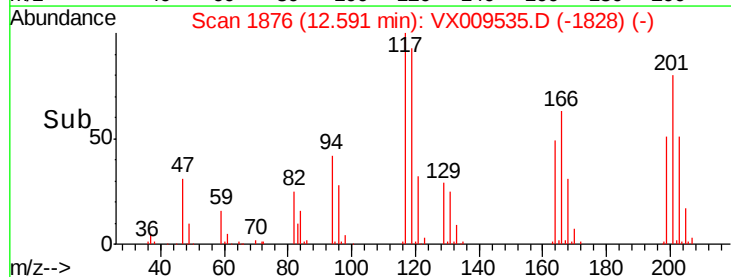
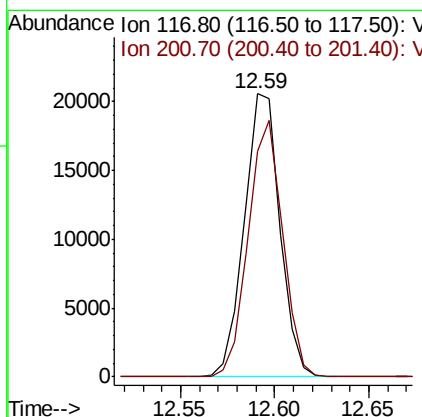
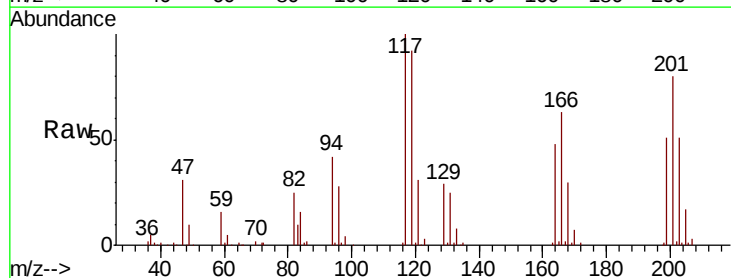
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tot Ion: 91 Resp: 149347
Ion Ratio Lower Upper
91 100
92 53.2 26.5 79.5
134 24.9 12.4 37.2



#90
Hexachloroethane
Concen: 20.467 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009535.D
Acq: 13 May 2019 12:02

Tgt Ion: 117 Resp: 27030
Ion Ratio Lower Upper
117 100
201 87.6 42.3 126.9

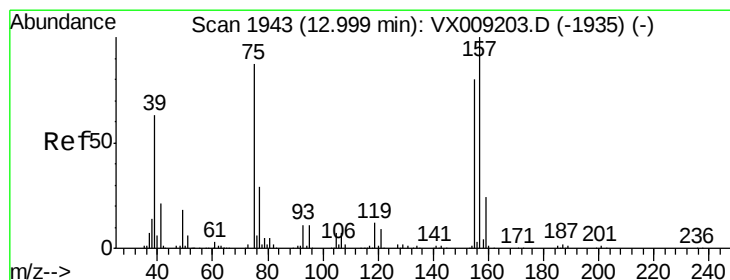
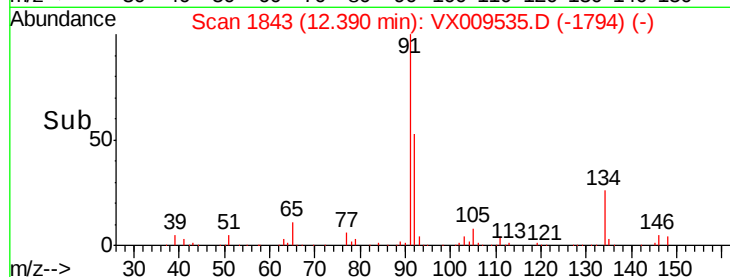
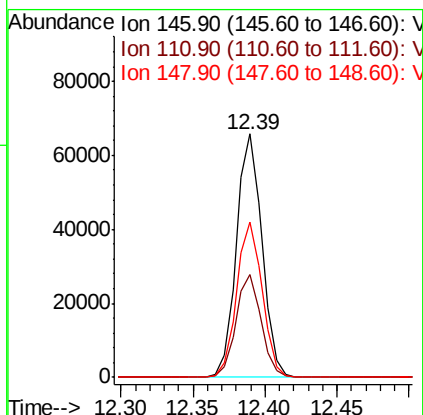
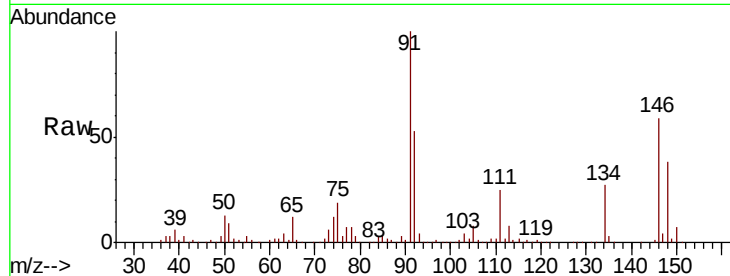




#91
 1,2-Dichlorobenzene
 Concen: 20.334 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

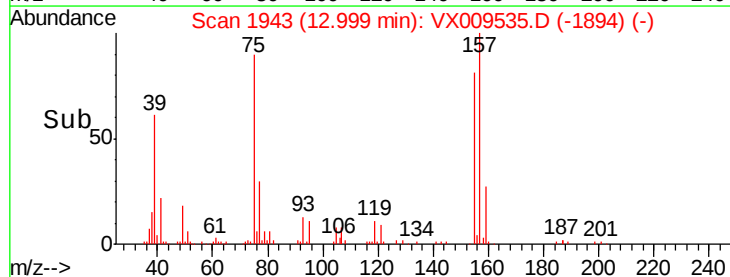
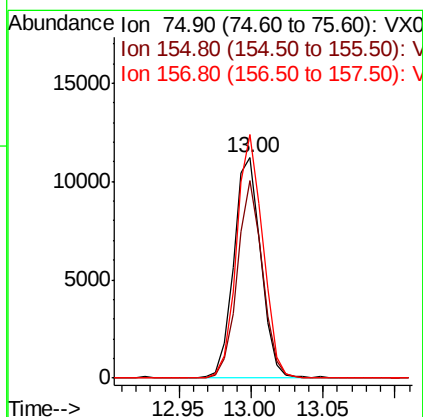
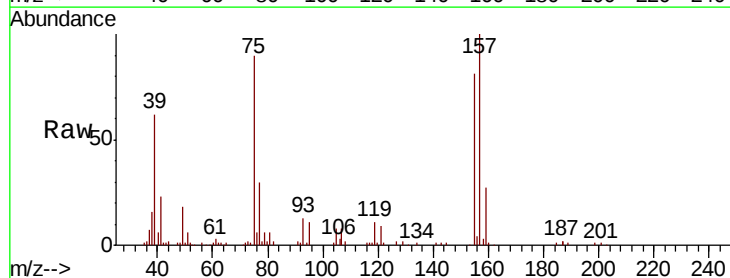
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion:146 Resp: 81368
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.4
 148 64.0 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.926 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion: 75 Resp: 14796
 Ion Ratio Lower Upper
 75 100
 155 82.6 42.0 126.0
 157 106.1 53.2 159.6

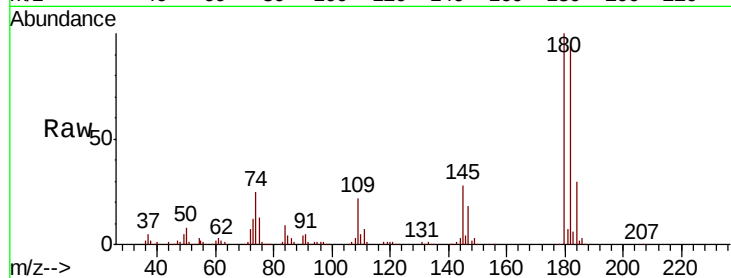




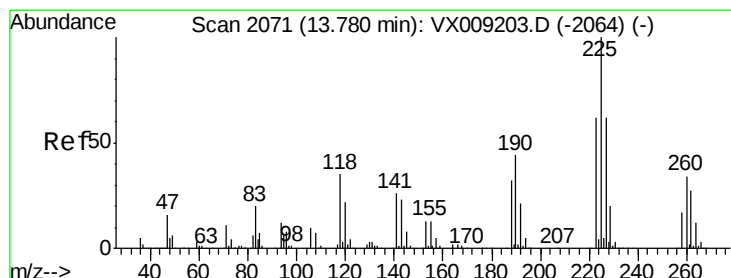
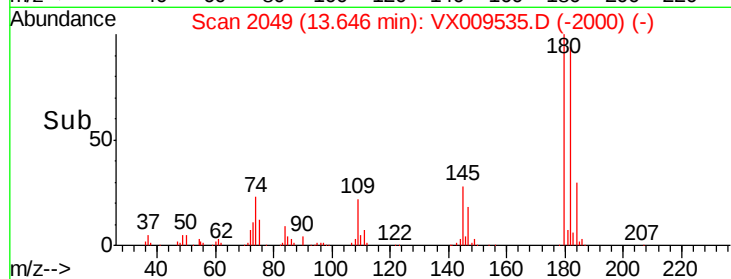
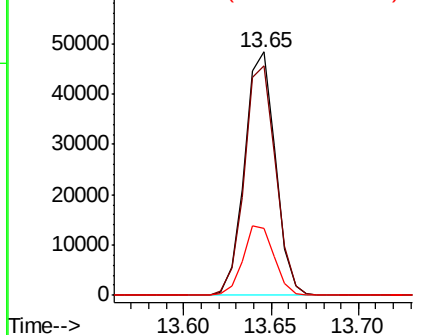
#93
 1,2,4-Trichlorobenzene
 Concen: 21.641 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Tot Ion:180 Resp: 59220
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.4 145.2
 145 29.1 14.6 43.8

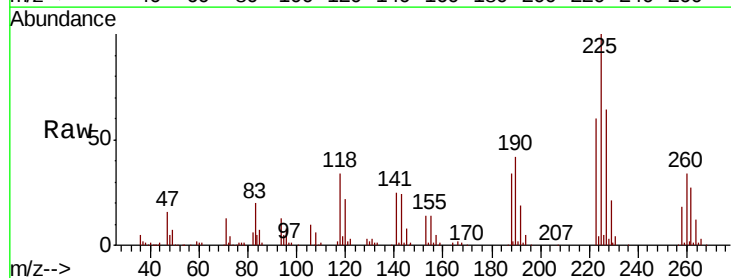


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

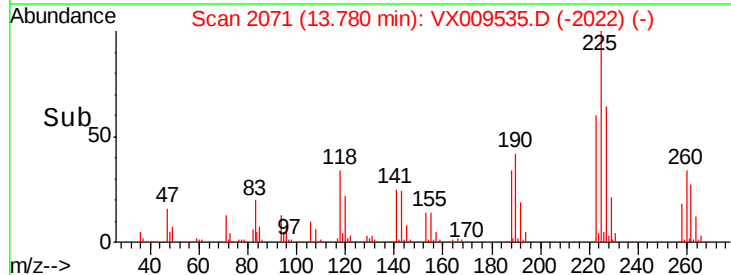
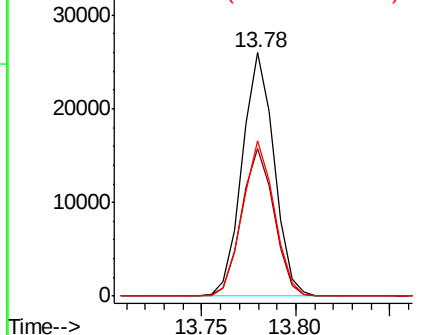


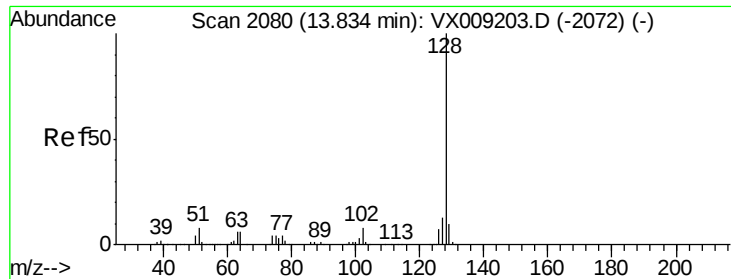
#94
 Hexachlorobutadiene
 Concen: 21.796 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009535.D
 Acq: 13 May 2019 12:02

Tgt Ion:225 Resp: 30458
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.3 93.8
 227 63.6 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: 20.840 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

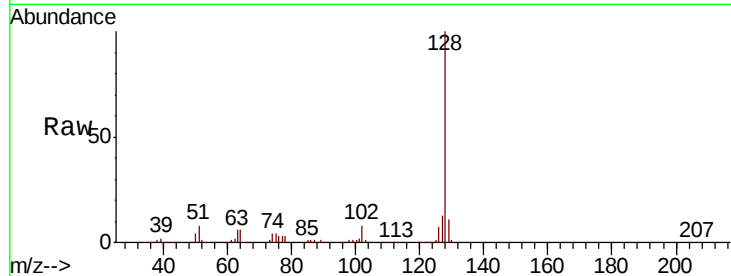
Tot Ion:128 Resp: 185535

Ion Ratio Lower Upper

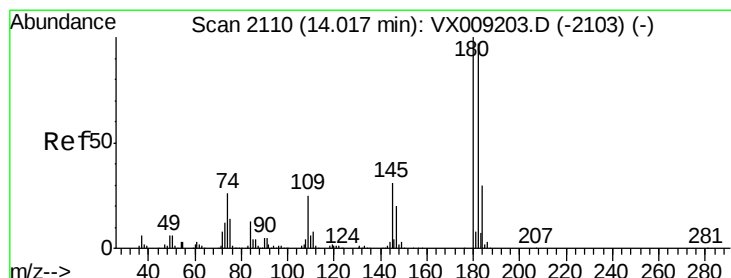
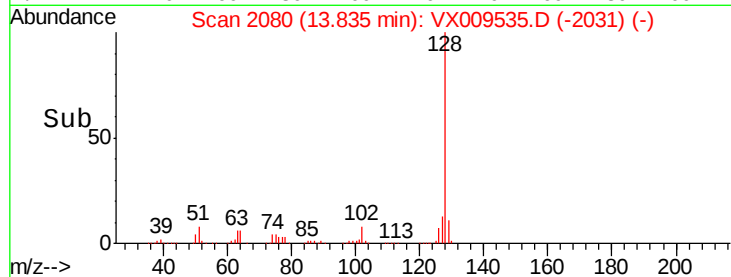
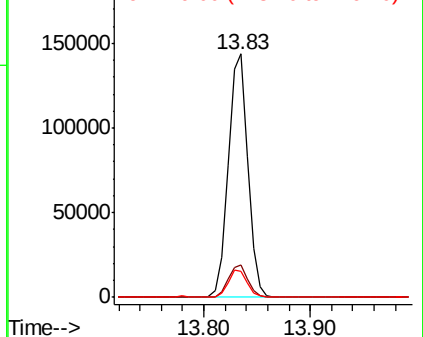
128 100

127 13.1 10.4 15.6

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.741 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009535.D

Acq: 13 May 2019 12:02

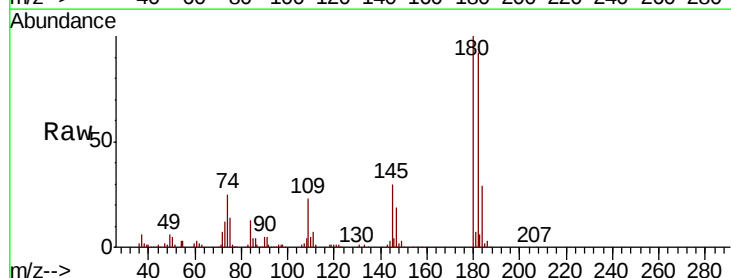
Tgt Ion:180 Resp: 60307

Ion Ratio Lower Upper

180 100

182 94.7 47.8 143.4

145 30.2 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

