

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010959.D
 Acq On : 18 Jul 2019 15:22
 Operator : JC/SP
 Sample : VX0718WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 01:33:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305483	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109937	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	5.49	113	97540	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	373012	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	11.13	95	131580	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42134	19.512	ug/l	99
3) Chloromethane	1.33	50	37142	19.600	ug/l	99
4) Vinyl Chloride	1.41	62	39386	20.376	ug/l	99
5) Bromomethane	1.64	94	23532	21.604	ug/l	99
6) Chloroethane	1.73	64	26752	21.779	ug/l	95
7) Trichlorofluoromethane	1.93	101	64597	19.743	ug/l	98
8) Diethyl Ether	2.19	74	21488	19.061	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37033	19.823	ug/l	98
10) Methyl Iodide	2.51	142	41370	16.875	ug/l	99
11) Tert butyl alcohol	3.04	59	47337	92.715	ug/l	99
12) 1,1-Dichloroethene	2.37	96	36256	19.752	ug/l	99
13) Acrolein	2.29	56	25688	87.082	ug/l	99
14) Allyl chloride	2.73	41	49402	18.529	ug/l	99
15) Acrylonitrile	3.14	53	97531	94.535	ug/l	98
16) Acetone	2.44	43	84473	85.314	ug/l	95
17) Carbon Disulfide	2.57	76	82233	17.465	ug/l	99
18) Methyl Acetate	2.78	43	43349	19.227	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	114297	19.343	ug/l	99
20) Methylene Chloride	2.85	84	40188	19.152	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	38876	19.961	ug/l	93
22) Diisopropyl ether	3.85	45	109055	19.394	ug/l	98
23) Vinyl Acetate	3.82	43	457827	96.092	ug/l	99
24) 1,1-Dichloroethane	3.70	63	62571	19.160	ug/l	97
25) 2-Butanone	4.67	43	134195	94.415	ug/l	100
26) 2,2-Dichloropropane	4.59	77	45747	17.061	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	43465	19.284	ug/l	99
28) Bromochloromethane	5.01	49	30067	19.538	ug/l	99
29) Tetrahydrofuran	5.13	42	86805	96.415	ug/l	100
30) Chloroform	5.21	83	66701	18.897	ug/l	100
31) Cyclohexane	5.59	56	56030	18.823	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	57709	18.897	ug/l	99
36) 1,1-Dichloropropene	5.80	75	47984	19.123	ug/l	99
37) Ethyl Acetate	4.84	43	50164	19.524	ug/l	97
38) Carbon Tetrachloride	5.79	117	47944	18.336	ug/l	94

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Quant Time: Jul 19 01:33:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61635	18.941	ug/l	98
40) Benzene	6.15	78	152055	19.782	ug/l	99
41) Methacrylonitrile	5.04	41	26207	17.967	ug/l	96
42) 1,2-Dichloroethane	6.20	62	50954	19.066	ug/l	98
43) Isopropyl Acetate	6.45	43	79534	18.825	ug/l	99
44) Trichloroethene	7.21	130	42107	18.507	ug/l	88
45) 1,2-Dichloropropane	7.51	63	38336	19.596	ug/l	98
46) Dibromomethane	7.66	93	27456	19.641	ug/l	98
47) Bromodichloromethane	7.90	83	46106	18.528	ug/l	99
48) Methyl methacrylate	7.77	41	38259	18.589	ug/l	98
49) 1,4-Dioxane	7.74	88	21651	376.071	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	267467	97.661	ug/l	99
52) Toluene	8.78	92	98178	19.443	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	47027	17.576	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	54996	18.472	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41057	19.748	ug/l	97
56) Ethyl methacrylate	9.18	69	58426	19.212	ug/l	100
57) 1,3-Dichloropropane	9.37	76	63211	19.165	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	147410	101.540	ug/l	100
59) 2-Hexanone	9.49	43	208039	97.937	ug/l	100
60) Dibromochloromethane	9.58	129	39450	18.181	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43270	19.611	ug/l	98
64) Tetrachloroethene	9.34	164	43788	19.924	ug/l	99
65) Chlorobenzene	10.14	112	109625	19.105	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	37484	18.587	ug/l	98
67) Ethyl Benzene	10.25	91	190000	19.454	ug/l	99
68) m/p-Xylenes	10.36	106	146617	39.135	ug/l	97
69) o-Xylene	10.69	106	70764	19.354	ug/l	98
70) Styrene	10.71	104	120033	19.693	ug/l	99
71) Bromoform	10.85	173	27621	16.825	ug/l #	98
73) Isopropylbenzene	11.02	105	190445	19.307	ug/l	99
74) N-amyl acetate	10.90	43	70618	18.736	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	61399	19.020	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	62623	23.771	ug/l	85
77) Bromobenzene	11.25	156	51319	18.861	ug/l	99
78) n-propylbenzene	11.36	91	209090	19.184	ug/l	100
79) 2-Chlorotoluene	11.42	91	124766	19.056	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	157331	19.088	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	14622	16.923	ug/l	89
82) 4-Chlorotoluene	11.51	91	144125	18.913	ug/l	99
83) tert-Butylbenzene	11.77	119	154502	19.083	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	160807	19.356	ug/l	99
85) sec-Butylbenzene	11.94	105	185236	19.526	ug/l	99
86) p-Isopropyltoluene	12.06	119	169283	19.302	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	89849	19.028	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	90682	18.725	ug/l	98
89) n-Butylbenzene	12.38	91	143455	19.119	ug/l	100
90) Hexachloroethane	12.59	117	23733	17.156	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	90249	19.285	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12170	18.035	ug/l	98

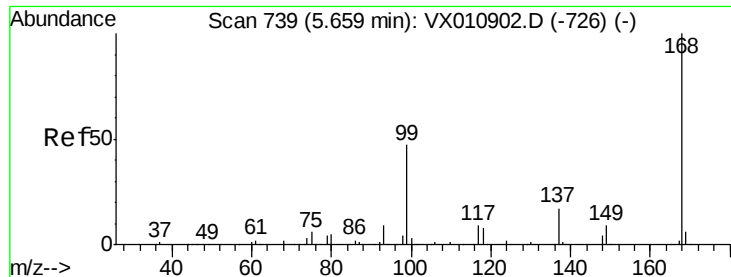
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	60713	19.143	ug/l	99
94) Hexachlorobutadiene	13.78	225	29117	18.526	ug/l	98
95) Naphthalene	13.83	128	185659	19.824	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	61122	19.369	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

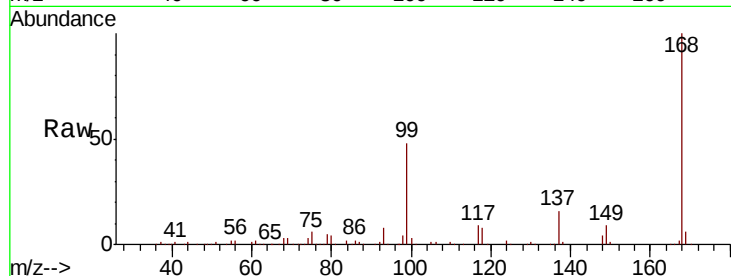
ClientSampleId :

Tot Ion:168 Resp: 206071

Ion Ratio Lower Upper

168 100

99 48.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

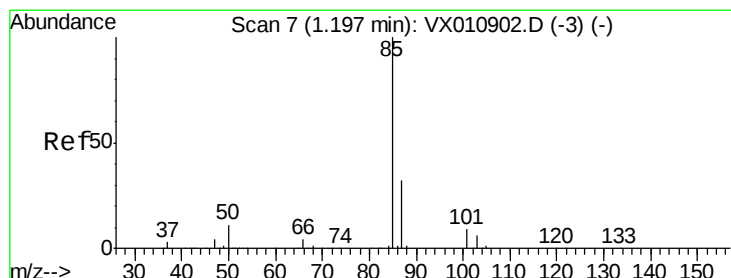
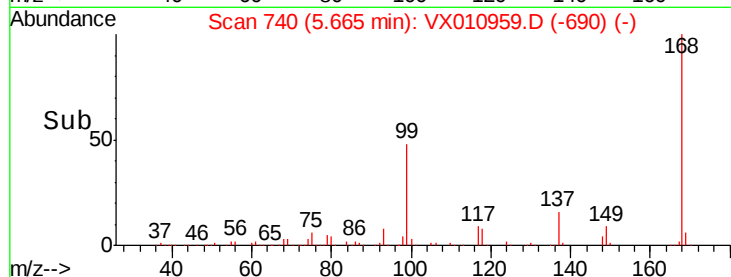
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.512 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010959.D

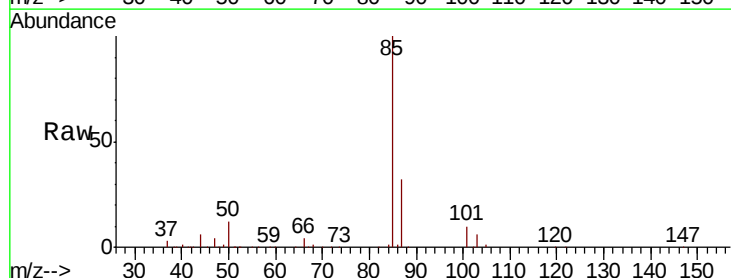
Acq: 18 Jul 2019 15:22

Tgt Ion: 85 Resp: 42134

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

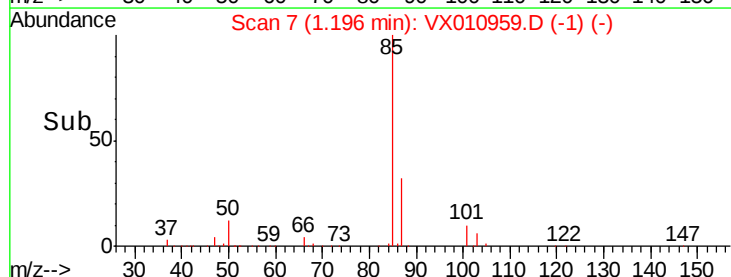
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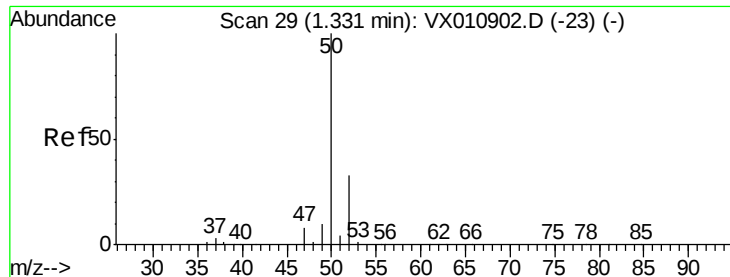
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.600 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

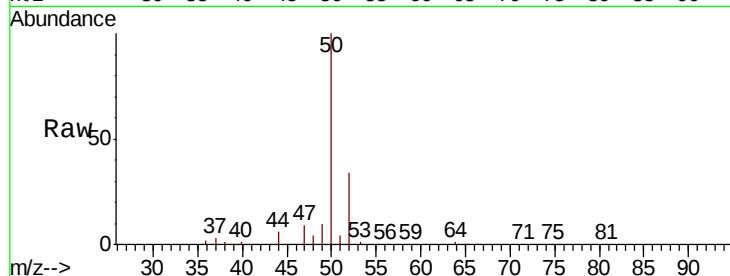
ClientSampleId :

Tot Ion: 50 Resp: 37142

Ion Ratio Lower Upper

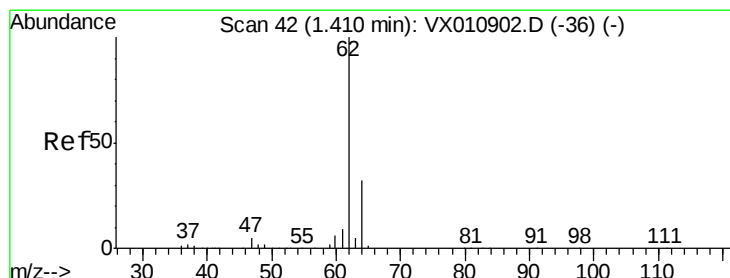
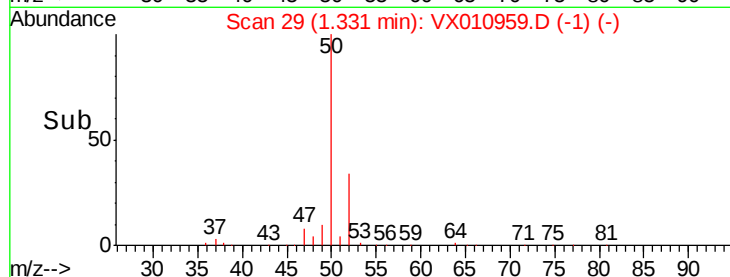
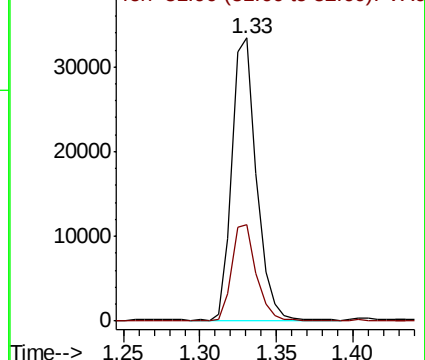
50 100

52 33.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.376 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010959.D

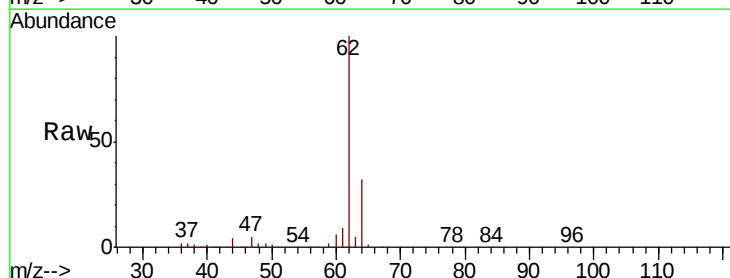
Acq: 18 Jul 2019 15:22

Tgt Ion: 62 Resp: 39386

Ion Ratio Lower Upper

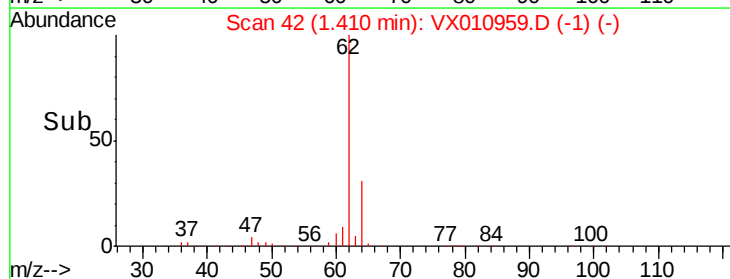
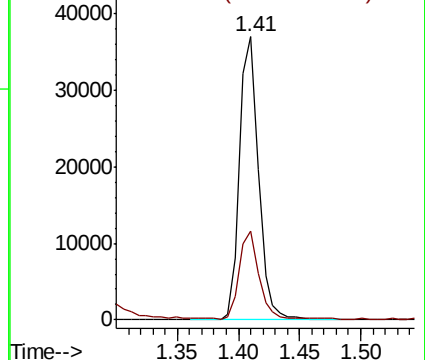
62 100

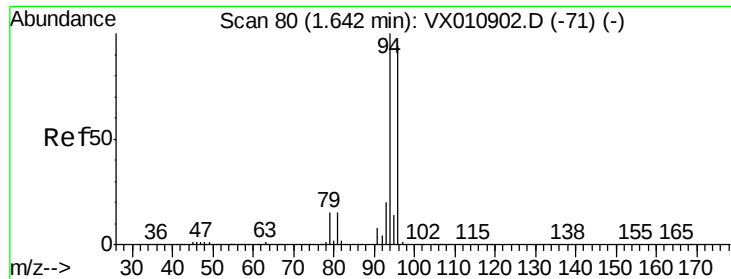
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.604 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

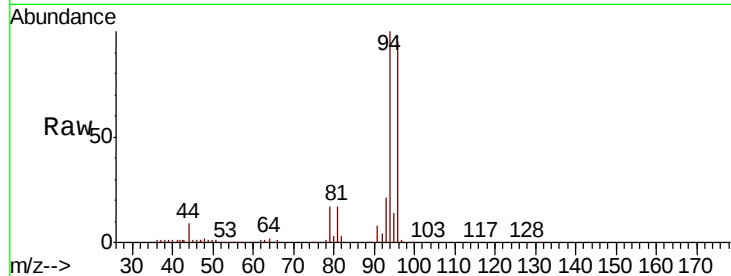
ClientSampleId :

Tot Ion: 94 Resp: 23532

Ion Ratio Lower Upper

94 100

96 95.2 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

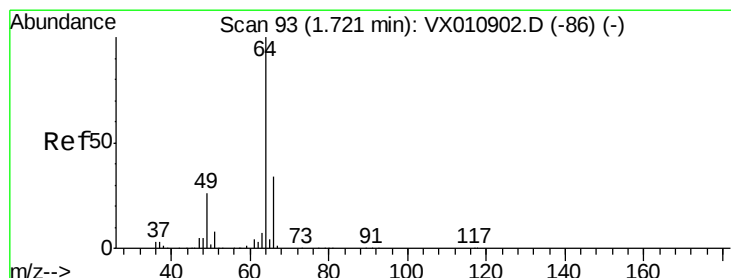
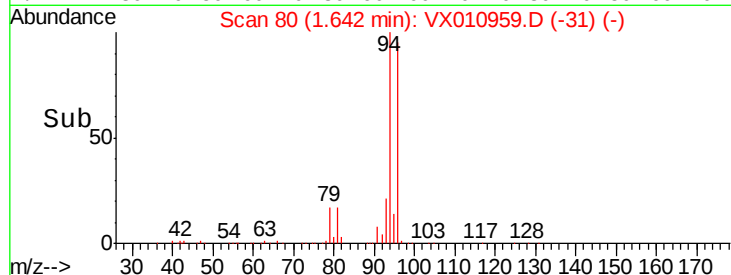
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 21.779 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010959.D

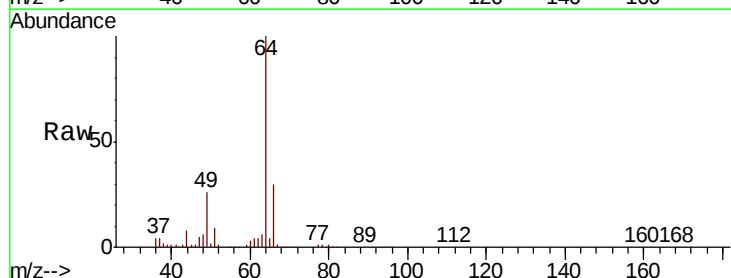
Acq: 18 Jul 2019 15:22

Tgt Ion: 64 Resp: 26752

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

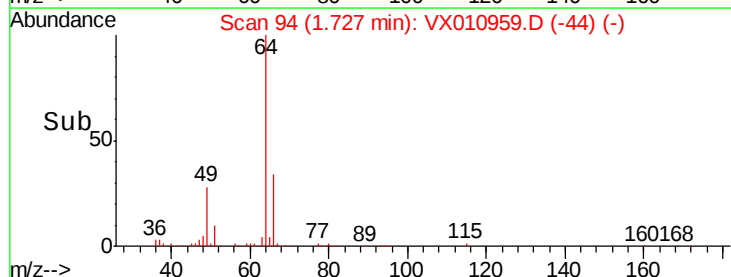
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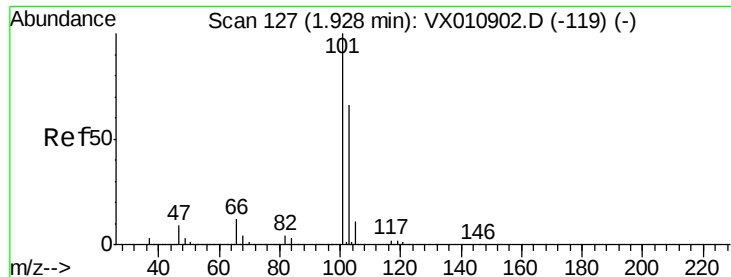
5000

0

Time-->

1.60 1.70 1.80



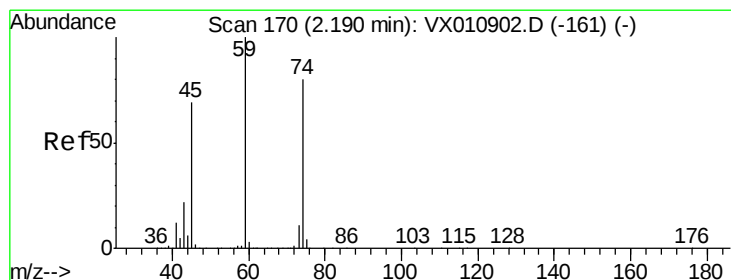
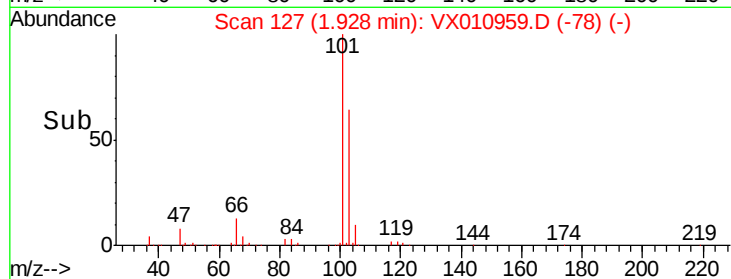
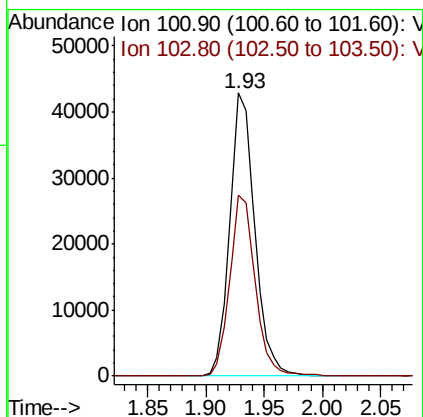
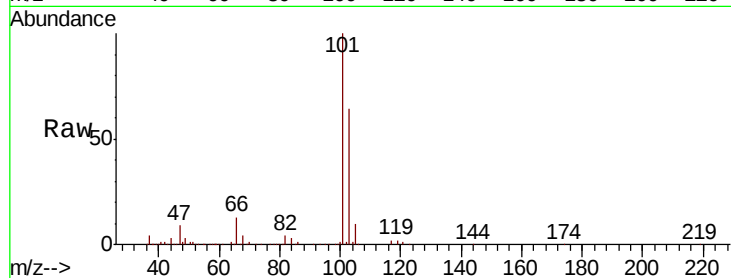


#7

Trichlorofluoromethane
 Concen: 19.743 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :

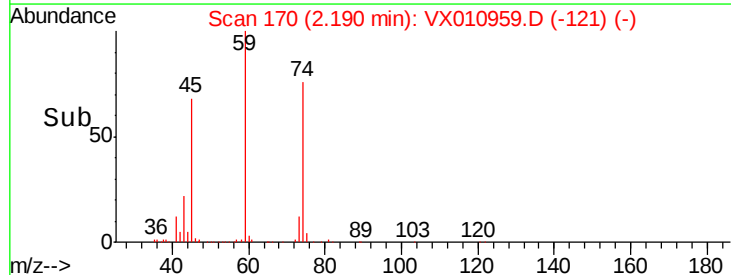
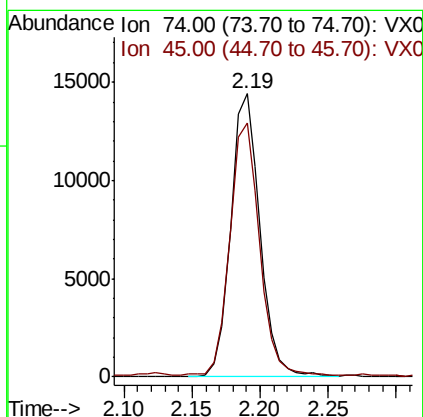
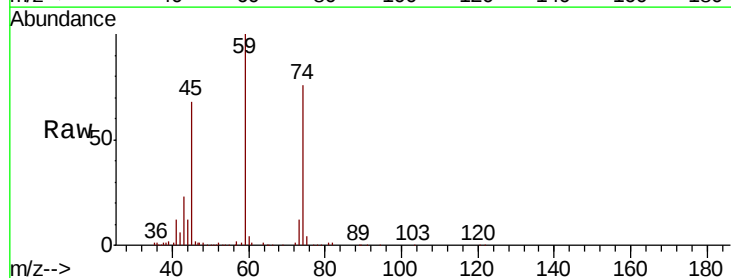
Tot Ion:101 Resp: 64597
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.6 78.8

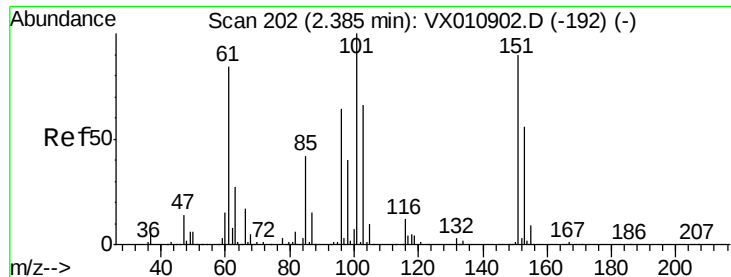


#8

Diethyl Ether
 Concen: 19.061 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion: 74 Resp: 21488
 Ion Ratio Lower Upper
 74 100
 45 90.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.823 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

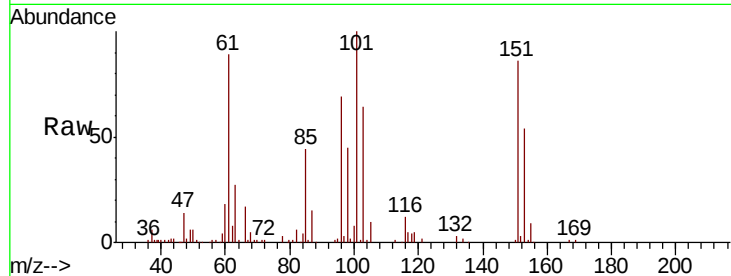
Tot Ion:101 Resp: 37033

Ion Ratio Lower Upper

101 100

85 42.2 34.6 52.0

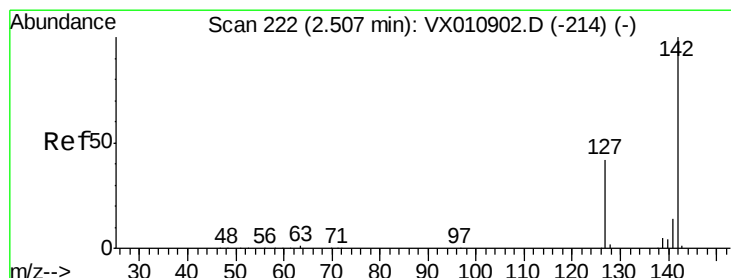
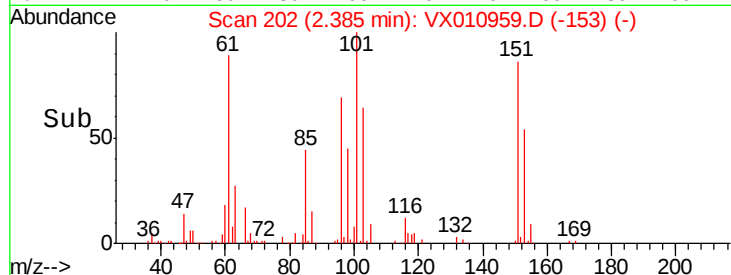
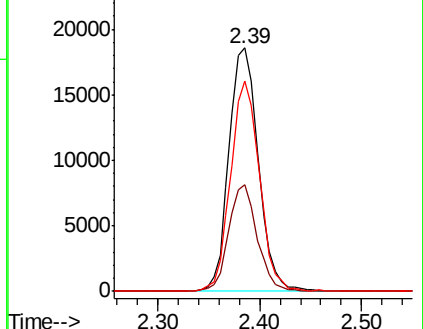
151 84.9 69.6 104.4



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: 16.875 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

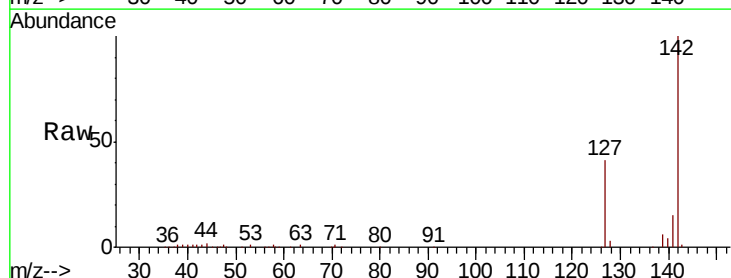
Tgt Ion:142 Resp: 41370

Ion Ratio Lower Upper

142 100

127 43.0 34.2 51.4

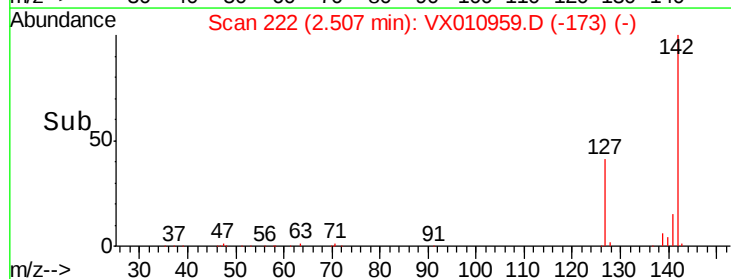
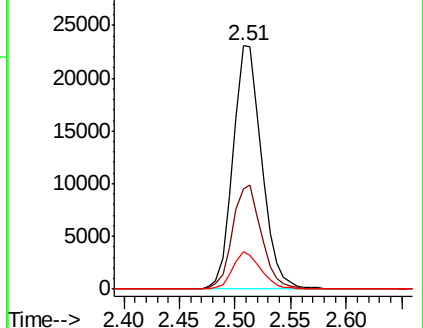
141 15.1 11.7 17.5

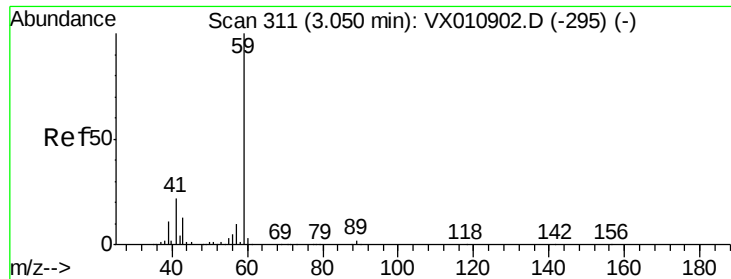


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

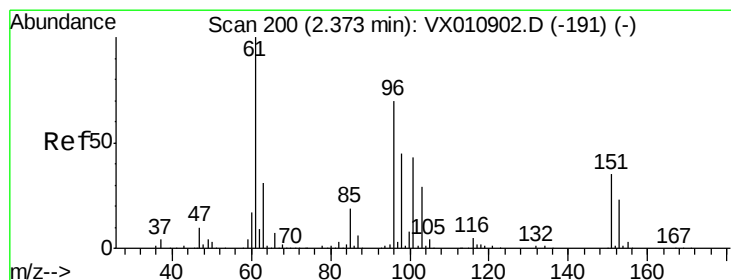
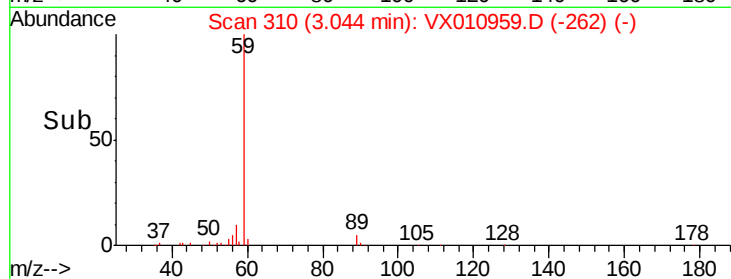
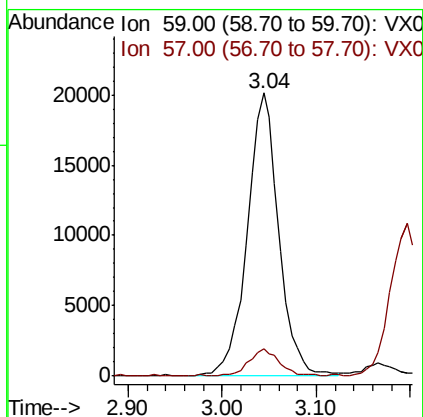
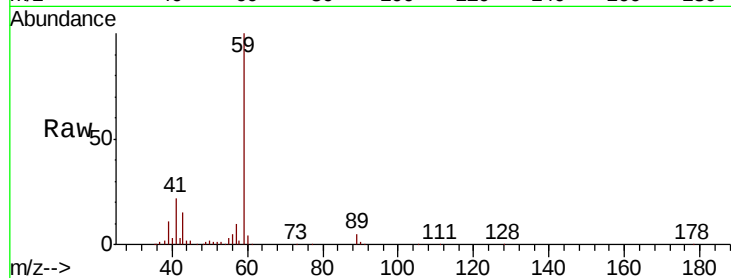




#11
Tert butyl alcohol
Concen: 92.715 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

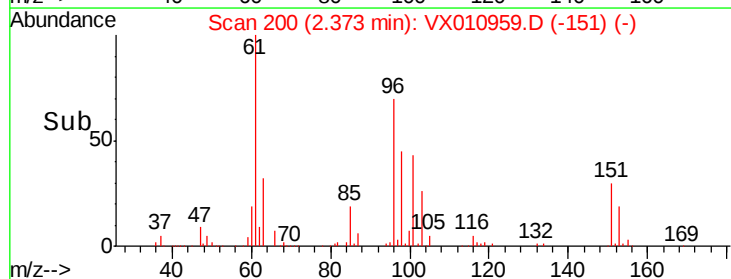
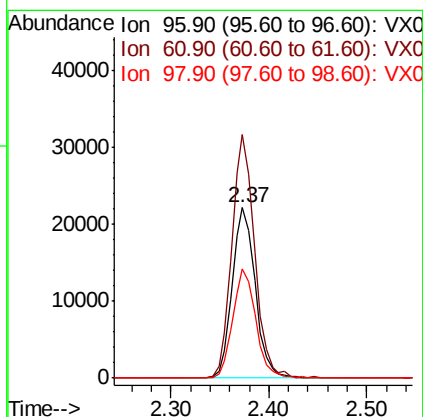
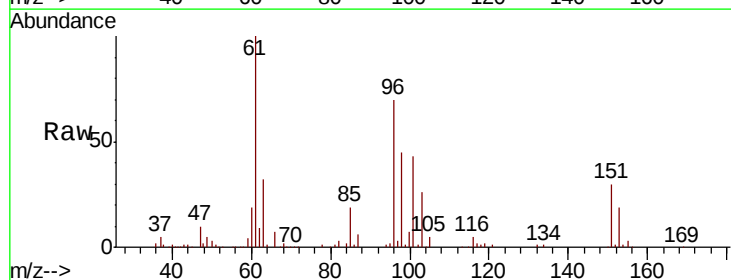
Instrument :
MSVOA_X
ClientSampleId :

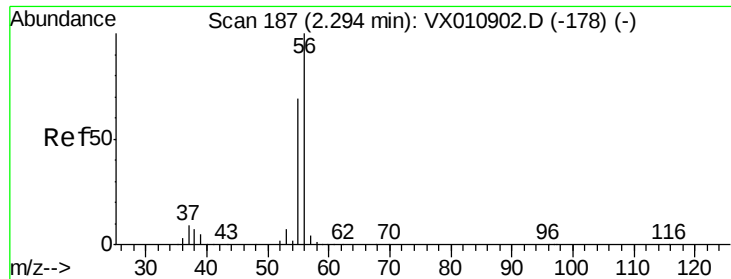
Tot Ion: 59 Resp: 47337
Ion Ratio Lower Upper
59 100
57 9.5 7.9 11.9



#12
1,1-Dichloroethene
Concen: 19.752 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 96 Resp: 36256
Ion Ratio Lower Upper
96 100
61 143.0 115.0 172.4
98 64.2 52.2 78.2

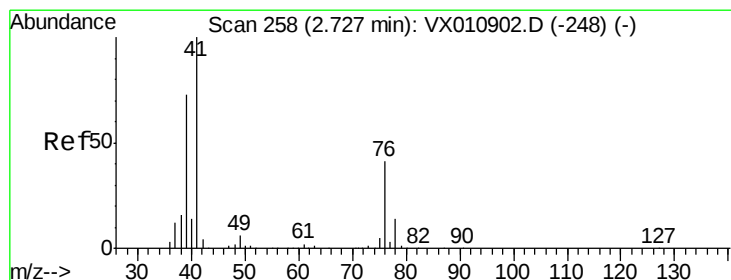
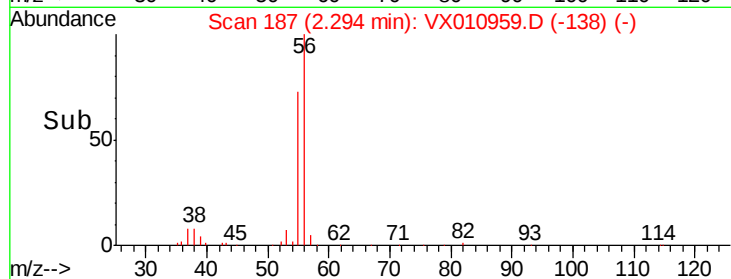
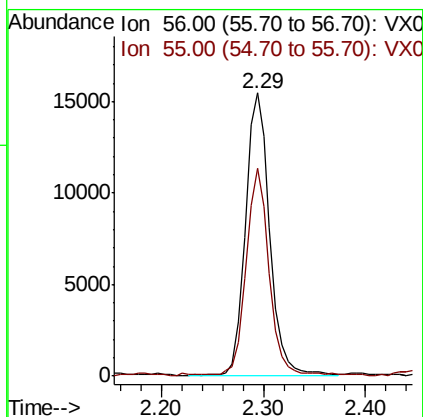
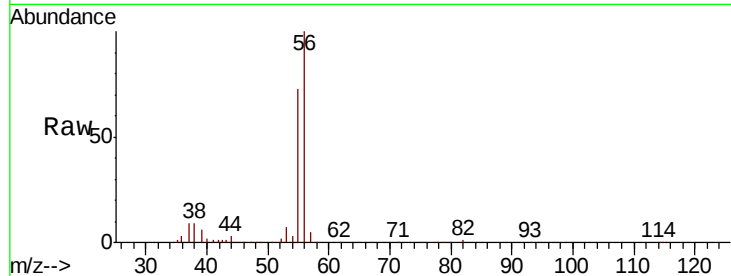




#13
Acrolein
Concen: 87.082 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

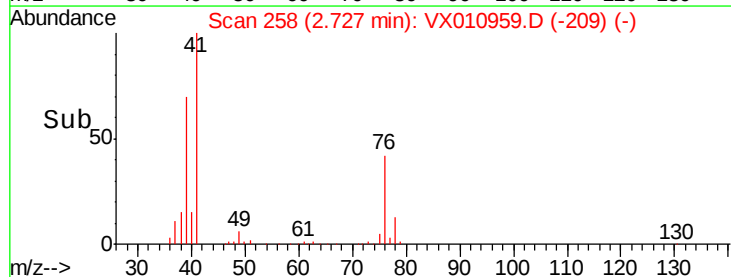
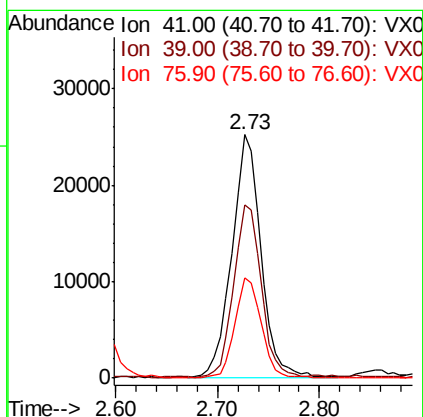
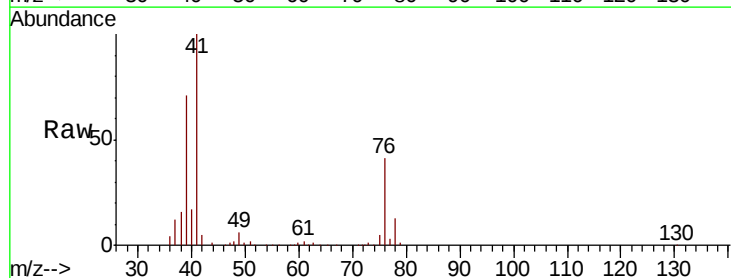
Instrument :
MSVOA_X
ClientSampleId :

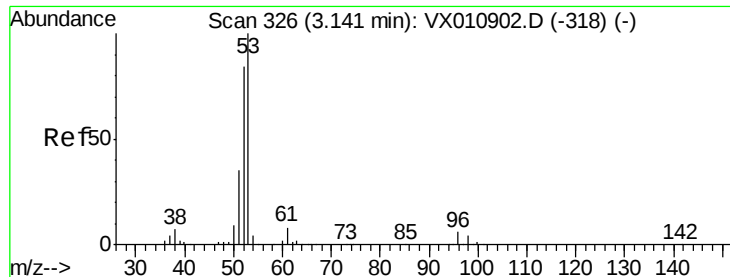
Tot Ion: 56 Resp: 25688
Ion Ratio Lower Upper
56 100
55 70.4 55.9 83.9



#14
Allyl chloride
Concen: 18.529 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 41 Resp: 49402
Ion Ratio Lower Upper
41 100
39 66.9 53.6 80.4
76 38.0 29.7 44.5





#15

Acrylonitrile

Concen: 94.535 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

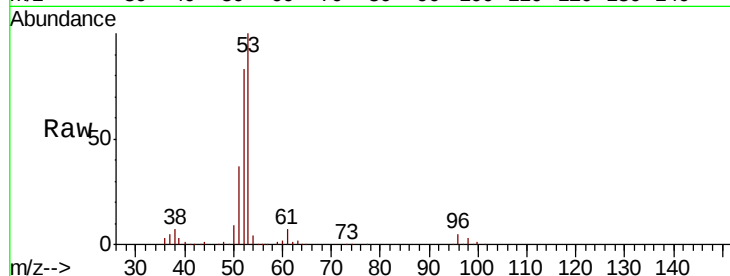
Tot Ion: 53 Resp: 97531

Ion Ratio Lower Upper

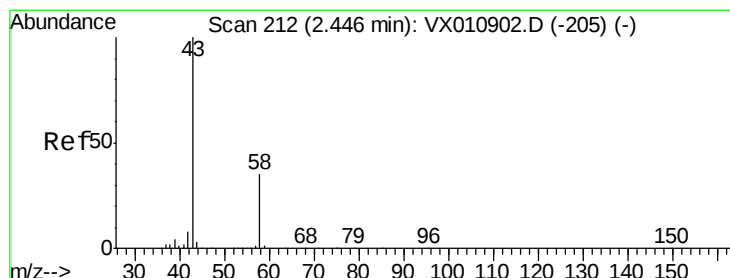
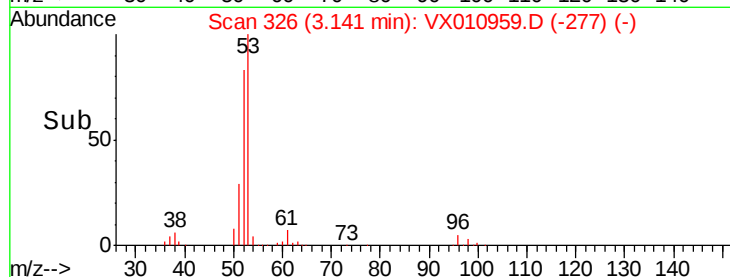
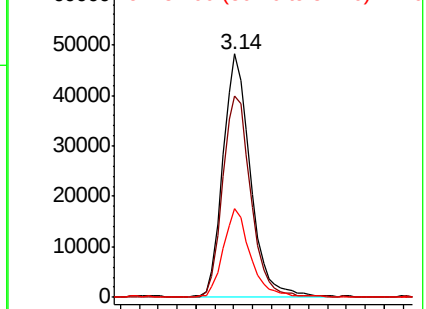
53 100

52 85.1 66.5 99.7

51 36.6 28.2 42.4



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: 85.314 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010959.D

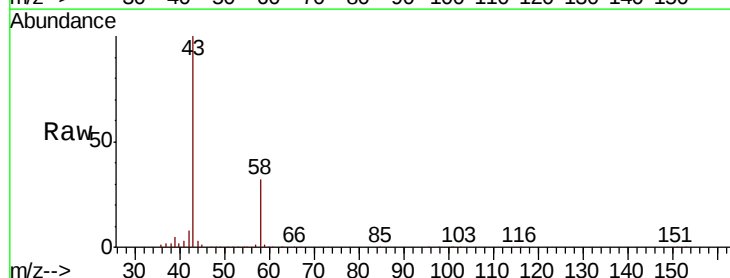
Acq: 18 Jul 2019 15:22

Tgt Ion: 43 Resp: 84473

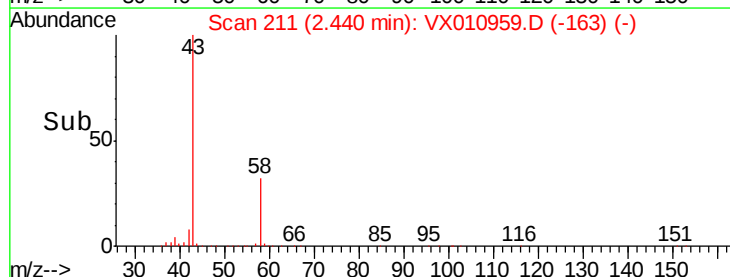
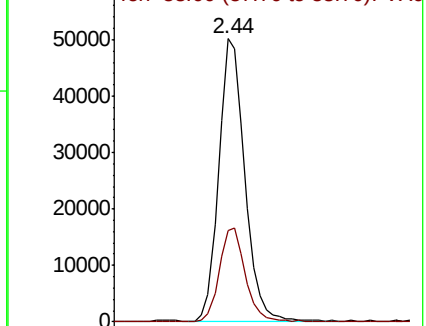
Ion Ratio Lower Upper

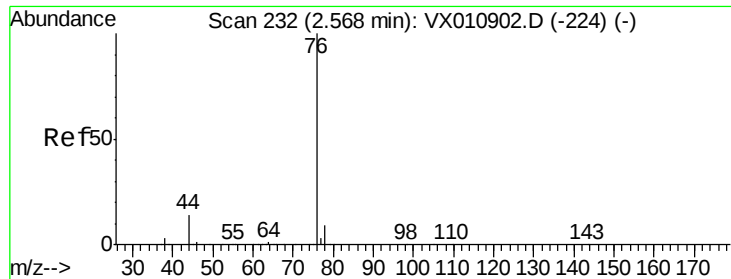
43 100

58 32.0 27.7 41.5



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

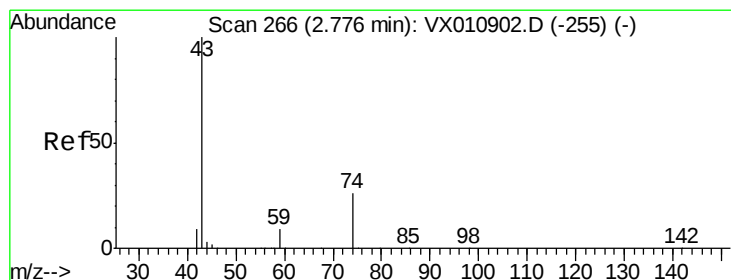
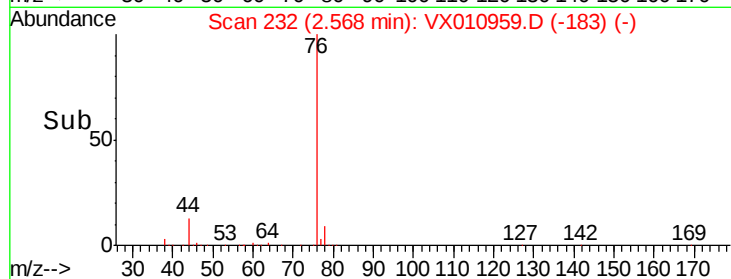
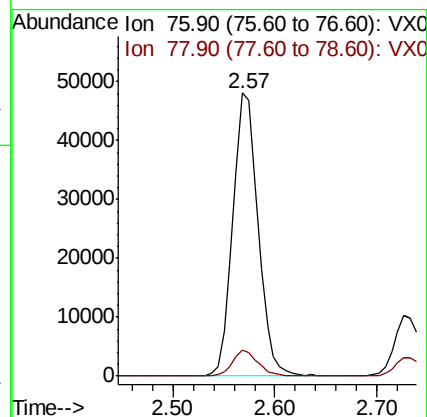
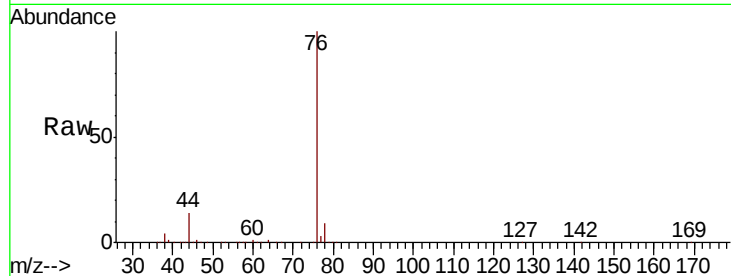




#17
Carbon Disulfide
Concen: 17.465 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

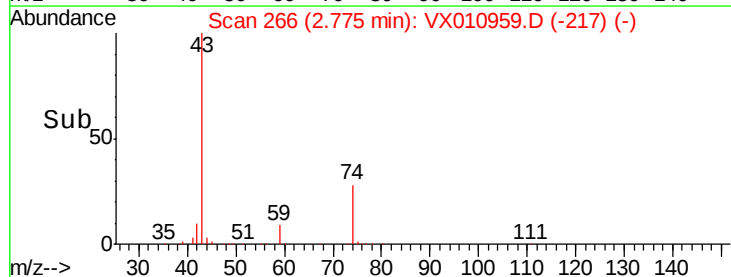
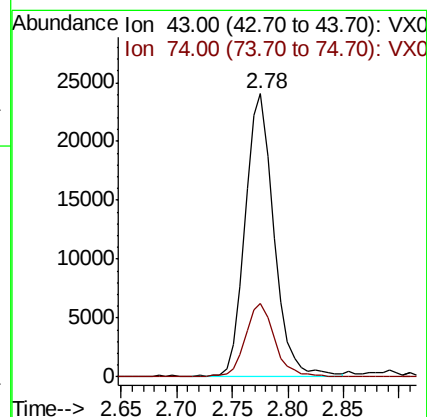
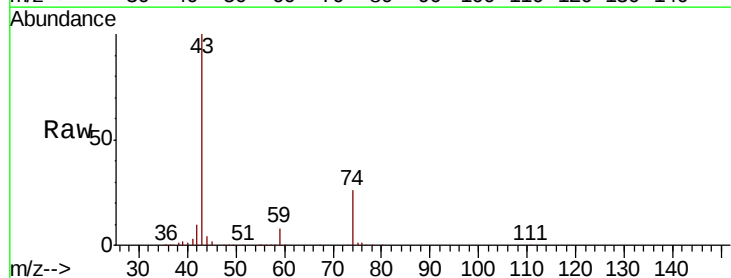
Instrument :
MSVOA_X
ClientSampleId :

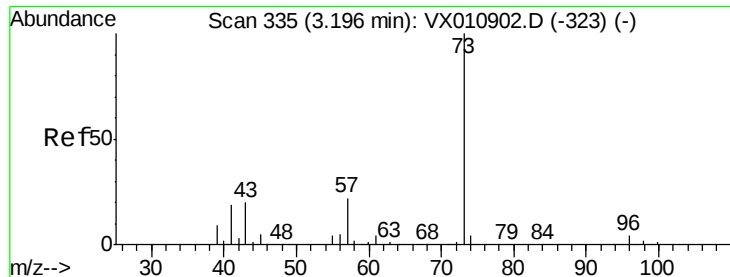
Tot Ion: 76 Resp: 82233
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 19.227 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 43 Resp: 43349
Ion Ratio Lower Upper
43 100
74 26.2 21.5 32.3

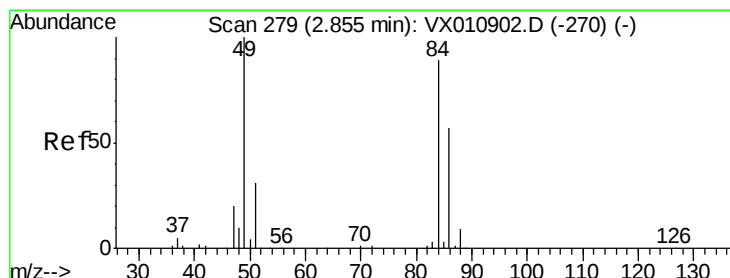
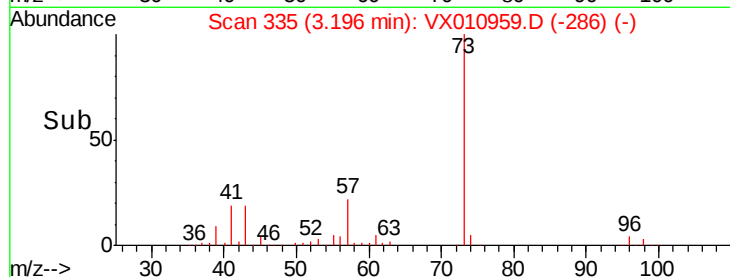
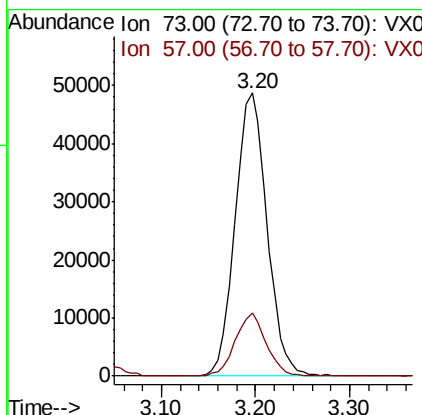
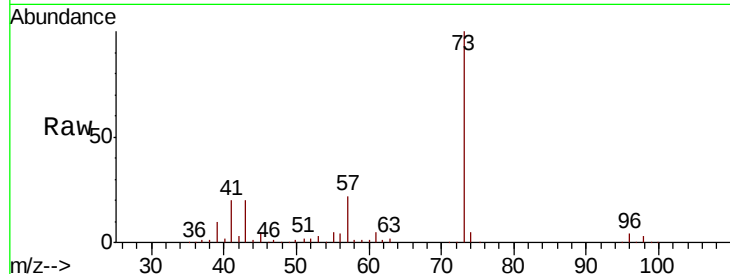




#19
Methyl tert-butyl Ether
Concen: 19.343 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

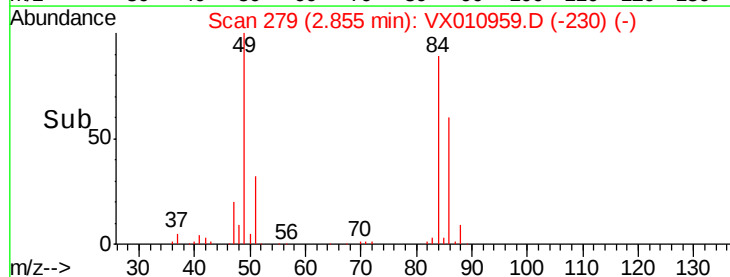
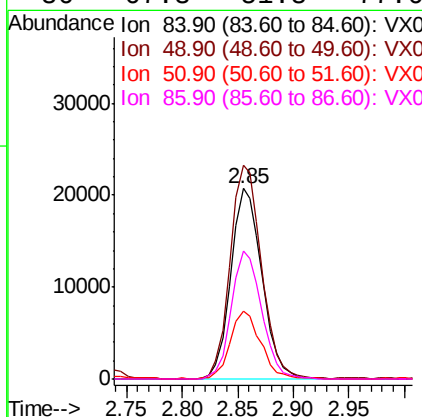
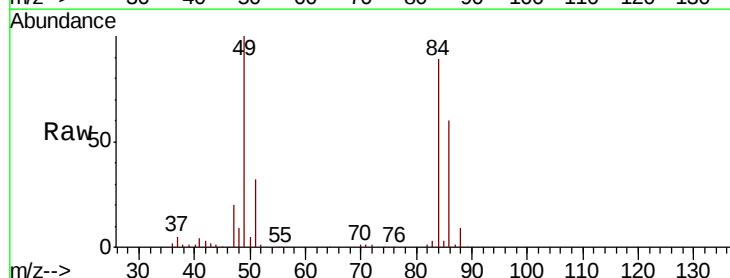
Instrument :
MSVOA_X
ClientSampled :

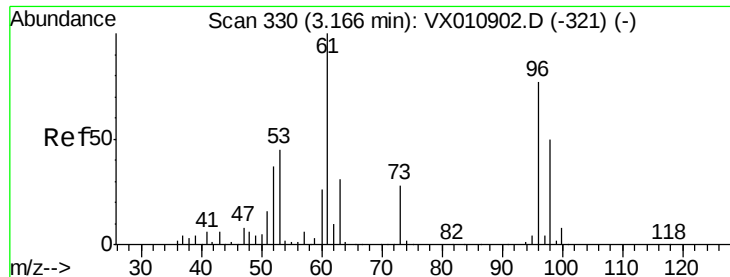
Tot Ion: 73 Resp: 114297
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 19.152 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 84 Resp: 40188
Ion Ratio Lower Upper
84 100
49 112.1 89.9 134.9
51 36.0 27.8 41.6
86 67.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.961 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

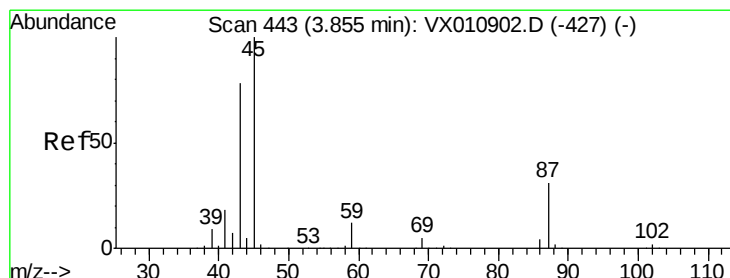
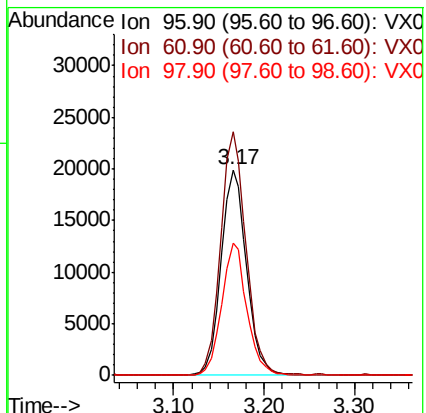
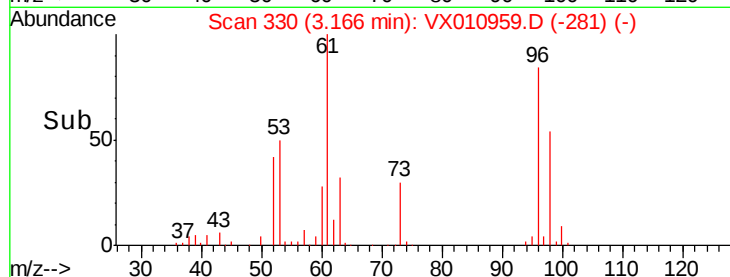
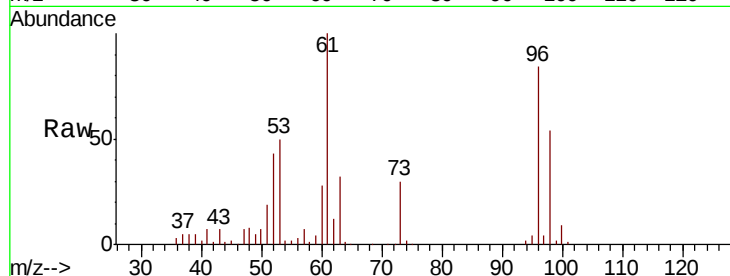
Tot Ion: 96 Resp: 38876

Ion Ratio Lower Upper

96 100

61 118.4 104.2 156.2

98 64.3 52.2 78.4



#22

Diisopropyl ether

Concen: 19.394 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Tgt Ion: 45 Resp: 109055

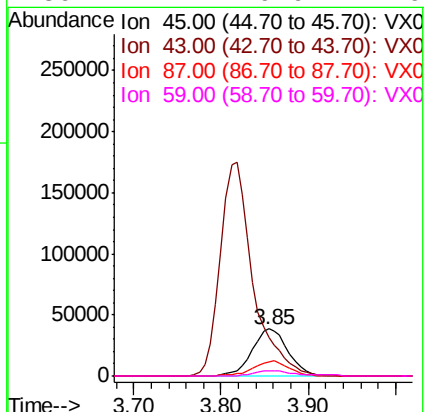
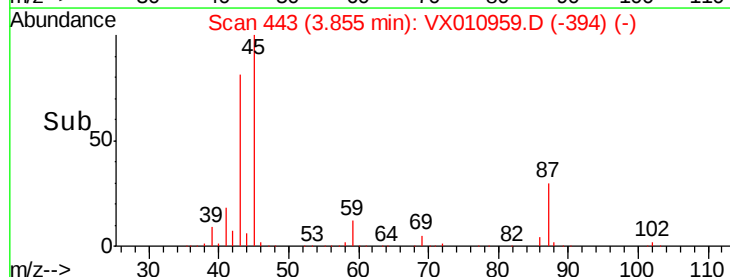
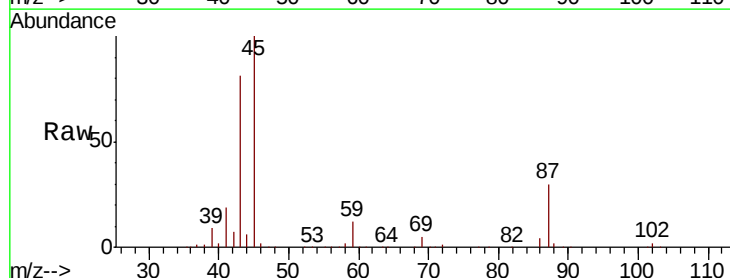
Ion Ratio Lower Upper

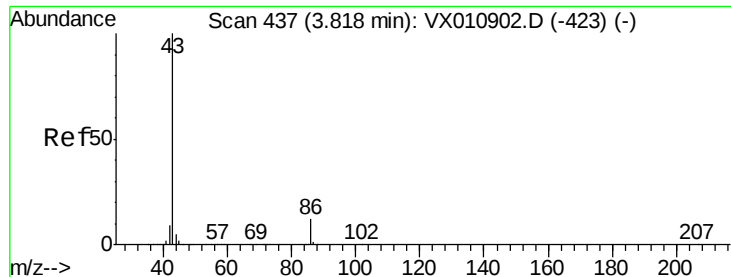
45 100

43 80.0 62.3 93.5

87 30.3 25.0 37.4

59 12.2 9.9 14.9





#23

Vinyl Acetate

Concen: 96.092 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

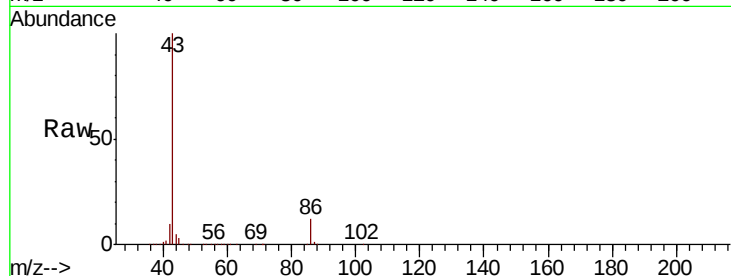
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 457827

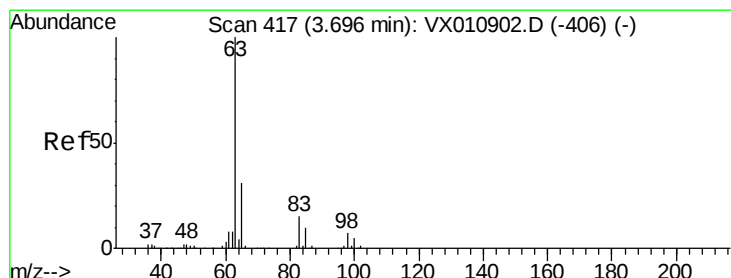
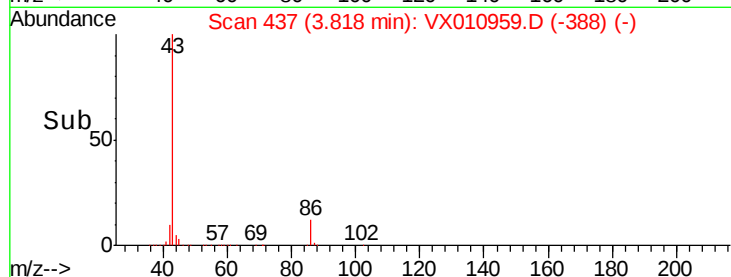
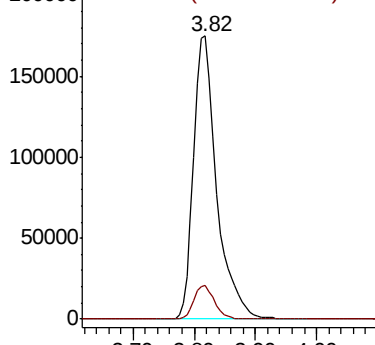
Ion Ratio Lower Upper

43 100

86 12.1 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.160 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

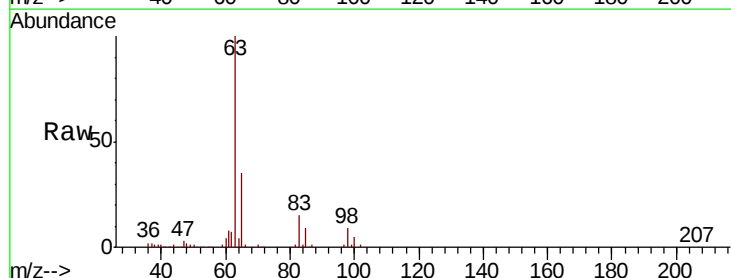
Tgt Ion: 63 Resp: 62571

Ion Ratio Lower Upper

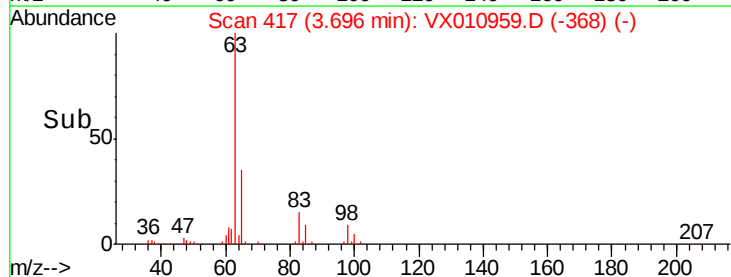
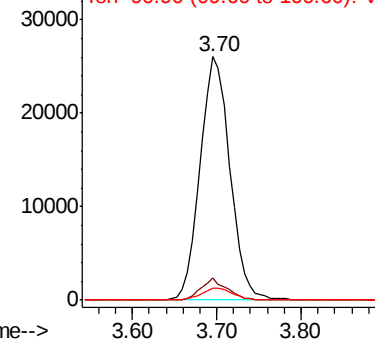
63 100

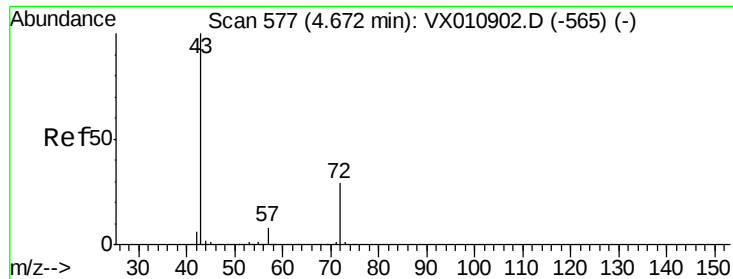
98 8.9 3.6 10.9

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.415 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

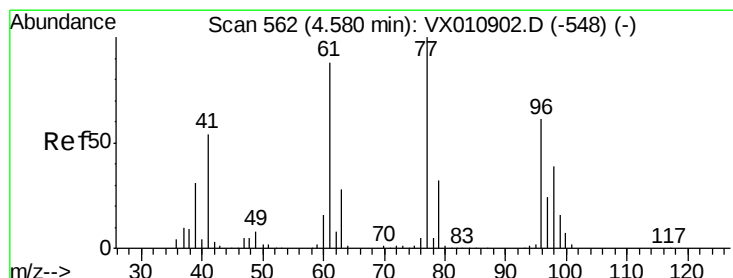
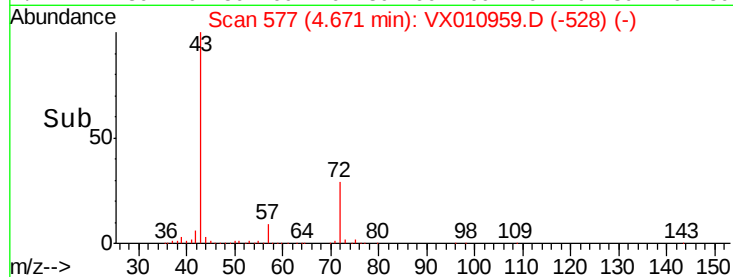
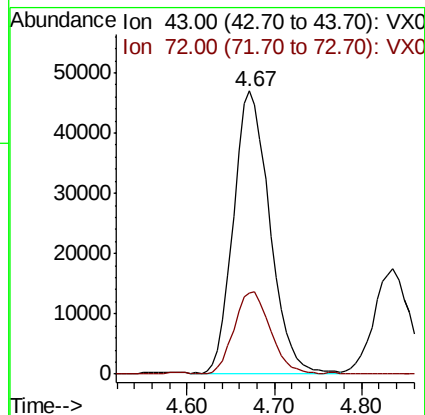
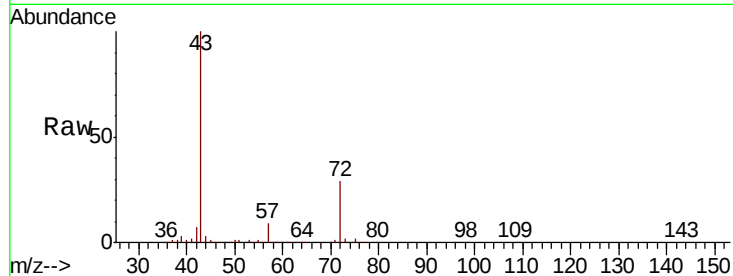
ClientSampled :

Tot Ion: 43 Resp: 134195

Ion Ratio Lower Upper

43 100

72 28.6 23.0 34.6



#26

2,2-Dichloropropane

Concen: 17.061 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010959.D

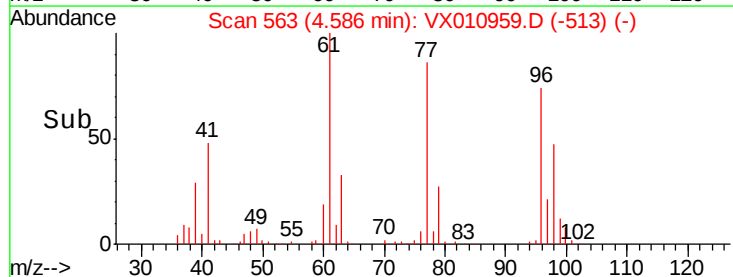
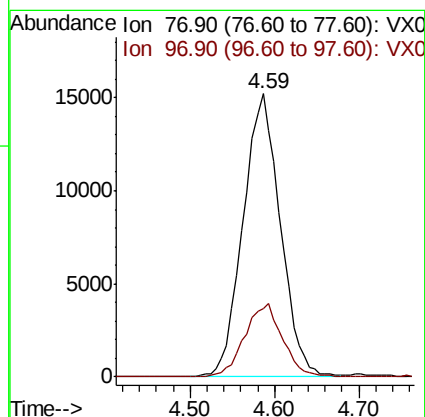
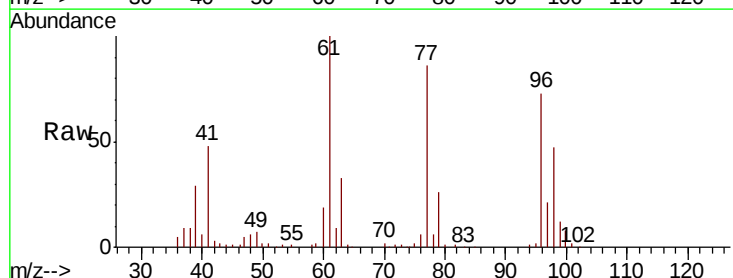
Acq: 18 Jul 2019 15:22

Tgt Ion: 77 Resp: 45747

Ion Ratio Lower Upper

77 100

97 26.2 12.6 37.6



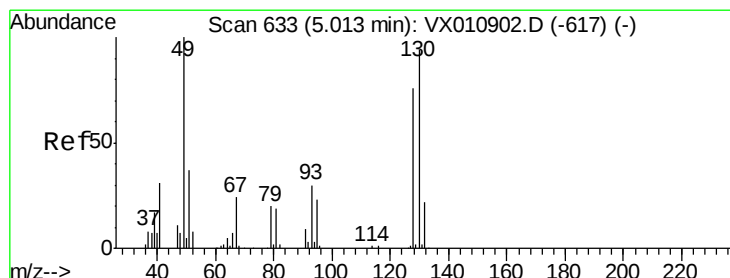
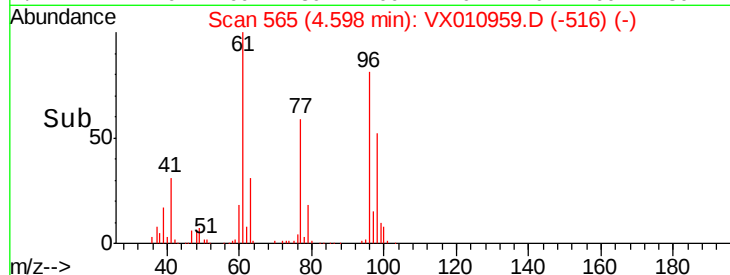
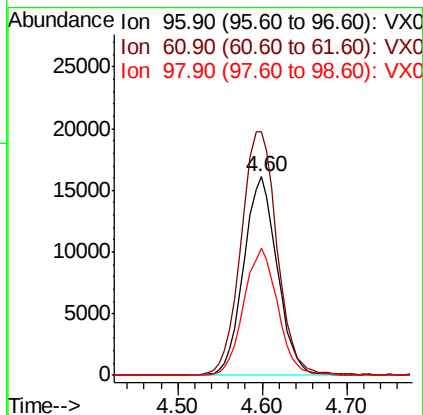
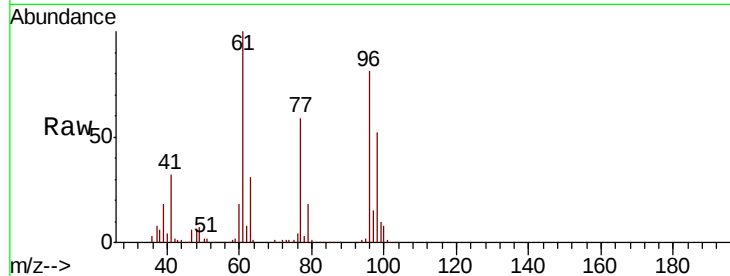


#27

cis-1,2-Dichloroethene
 Concen: 19.284 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :

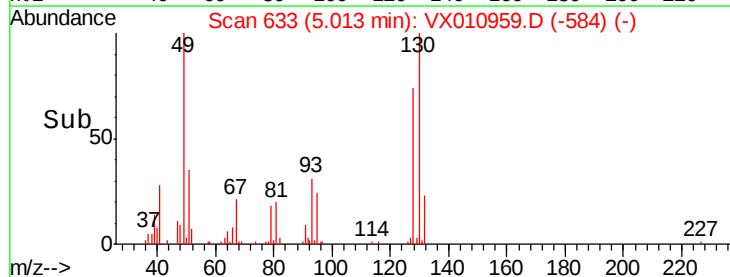
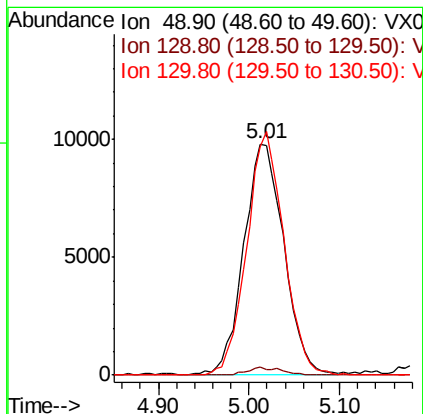
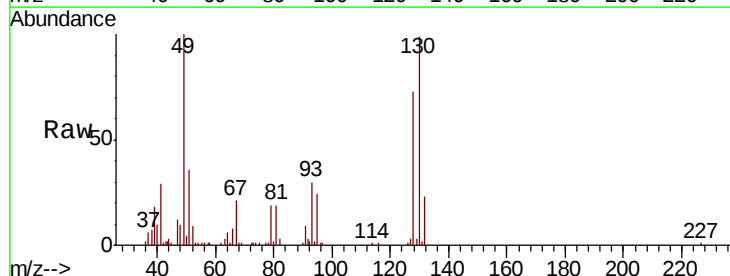
Tot Ion: 96 Resp: 43465
 Ion Ratio Lower Upper
 96 100
 61 132.7 0.0 269.0
 98 64.9 0.0 131.4

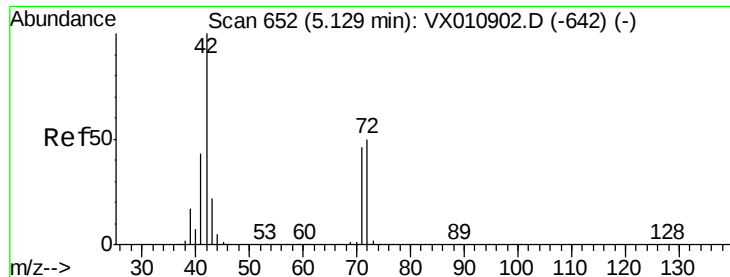


#28

Bromochloromethane
 Concen: 19.538 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion: 49 Resp: 30067
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.2
 130 97.5 76.9 115.3





#29

Tetrahydrofuran

Concen: 96.415 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampled :

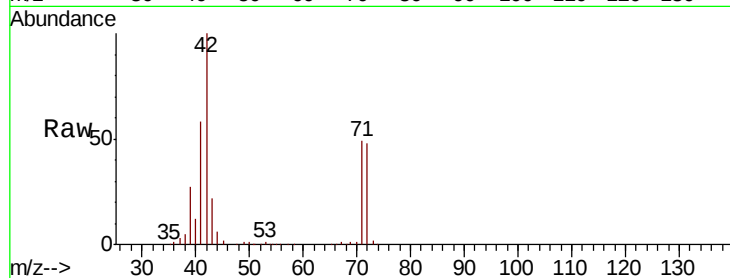
Tot Ion: 42 Resp: 86805

Ion Ratio Lower Upper

42 100

72 50.2 39.8 59.8

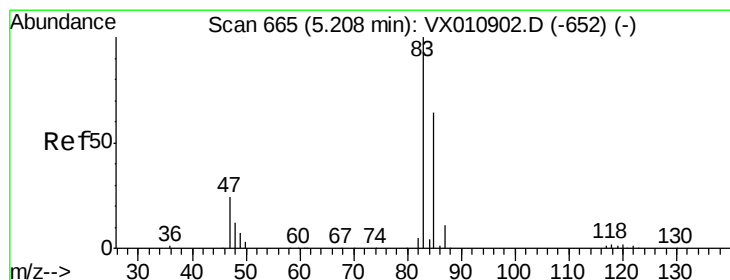
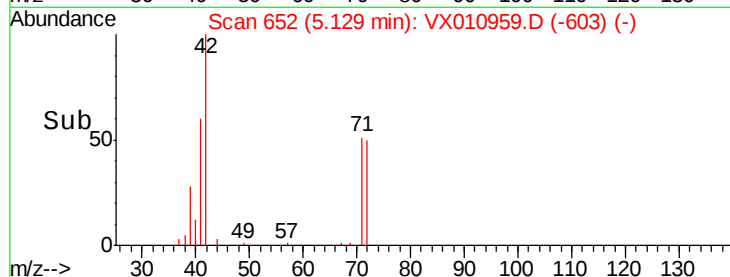
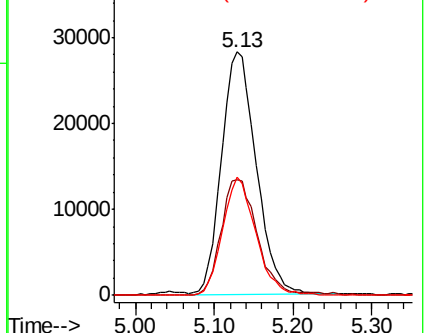
71 46.3 37.0 55.4



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: 18.897 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX010959.D

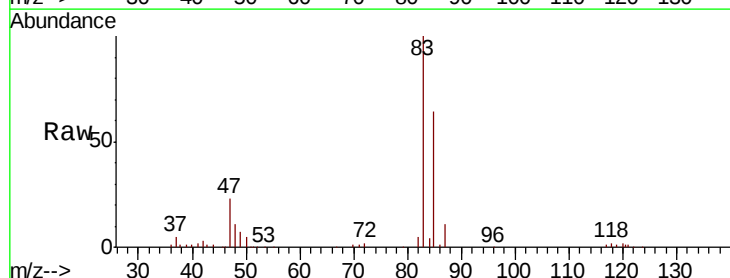
Acq: 18 Jul 2019 15:22

Tgt Ion: 83 Resp: 66701

Ion Ratio Lower Upper

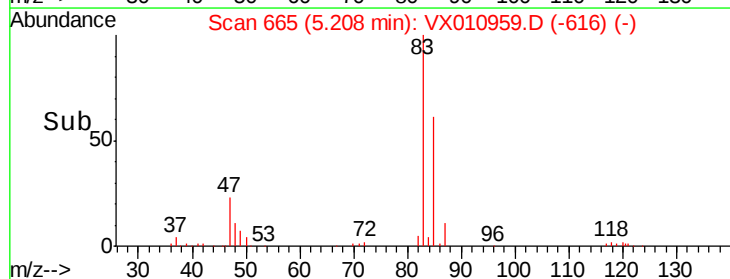
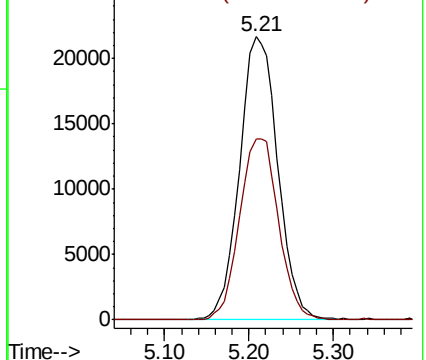
83 100

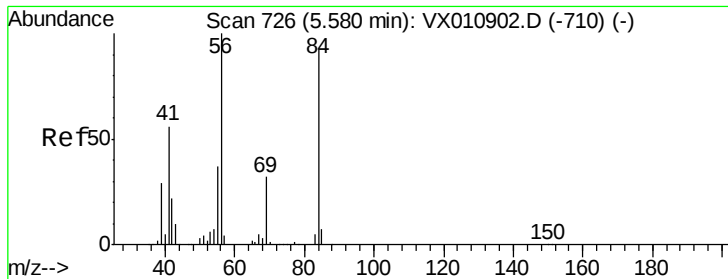
85 64.2 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.823 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

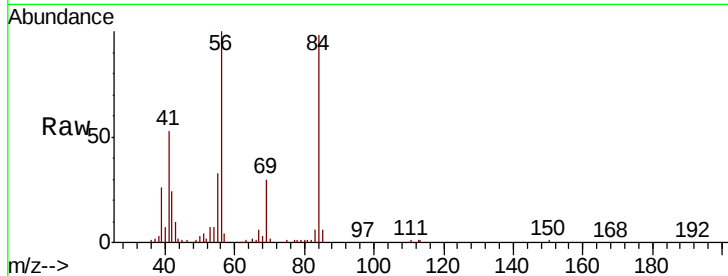
Tot Ion: 56 Resp: 56030

Ion Ratio Lower Upper

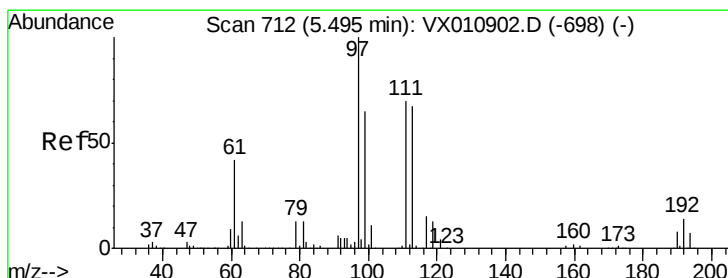
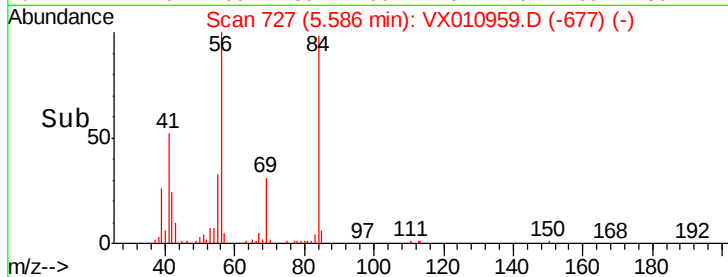
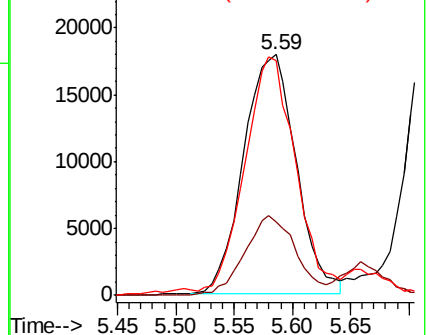
56 100

69 30.3 25.8 38.8

84 96.1 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.897 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

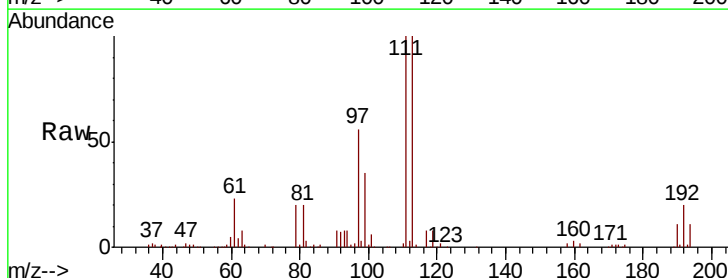
Tgt Ion: 97 Resp: 57709

Ion Ratio Lower Upper

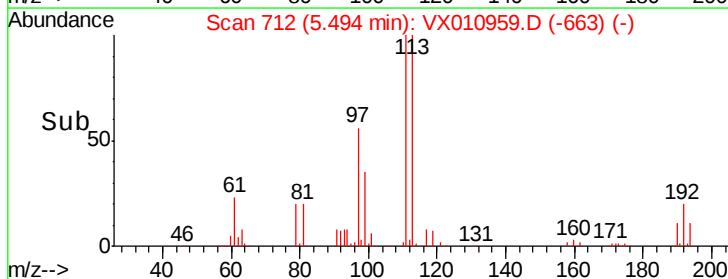
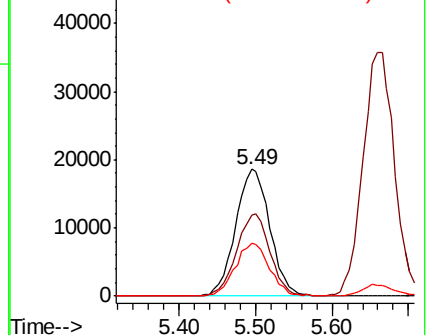
97 100

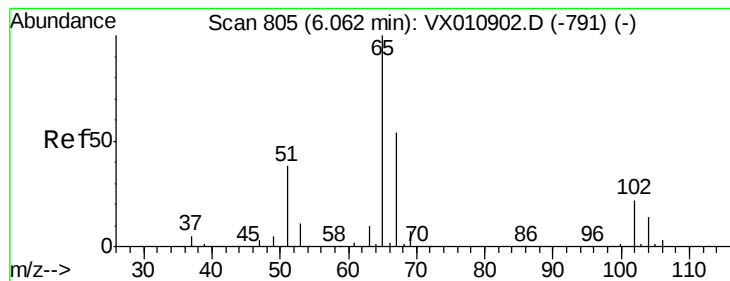
99 63.4 51.4 77.0

61 41.8 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.147 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

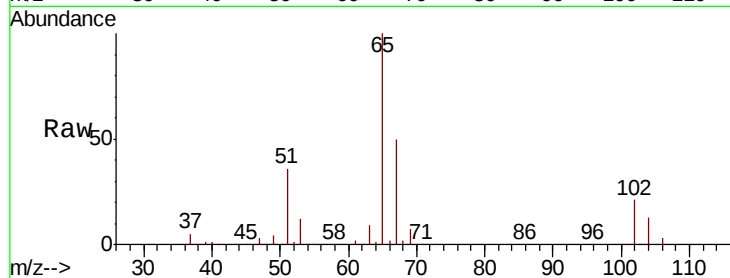
ClientSampleId :

Tot Ion: 65 Resp: 109937

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

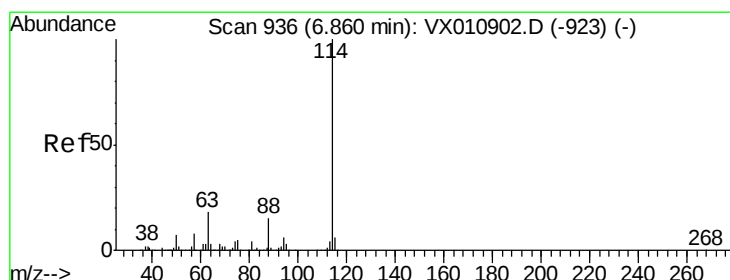
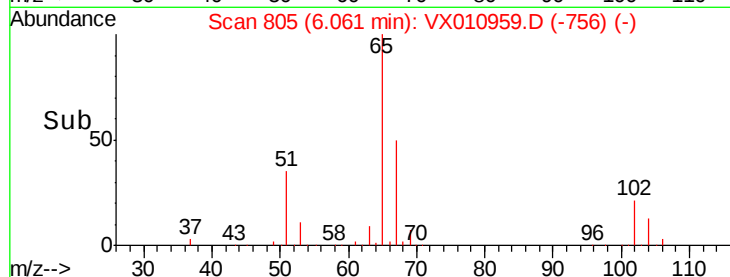
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

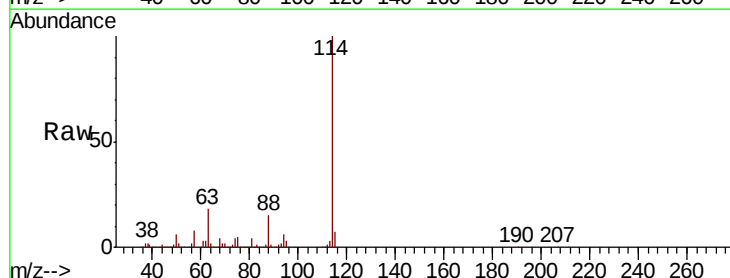
Tgt Ion:114 Resp: 305483

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.7 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

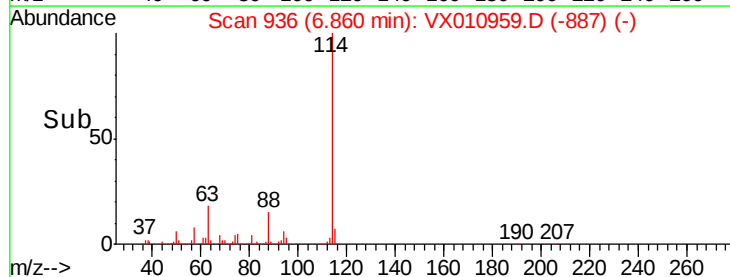
150000

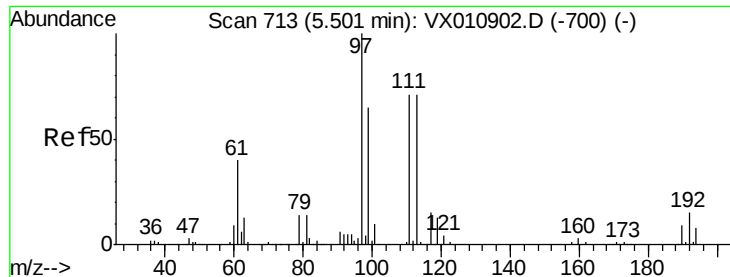
100000

50000

0

Time--> 6.80 6.90 7.00

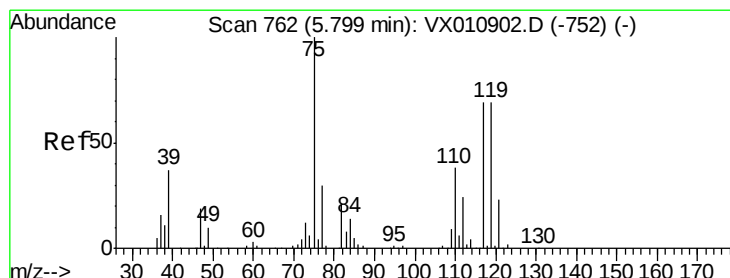
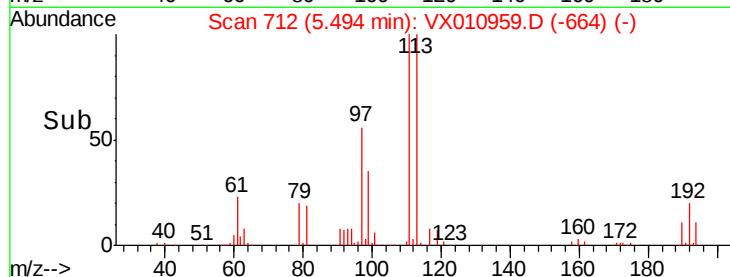
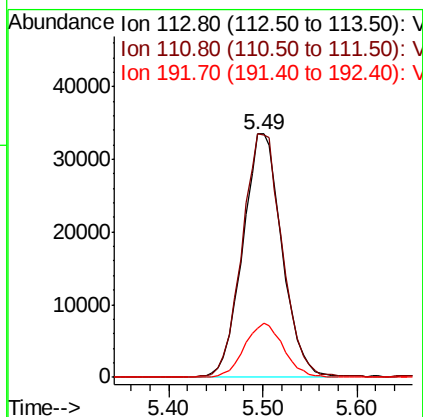
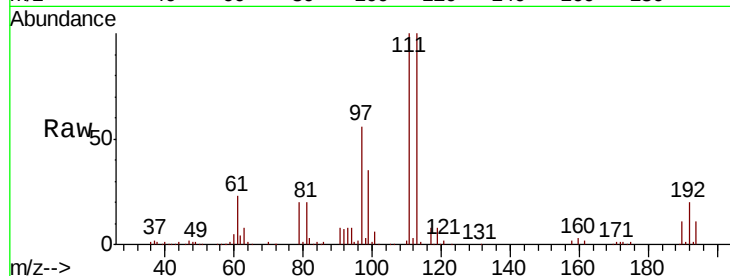




#35
 Dibromofluoromethane
 Concen: 50.305 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

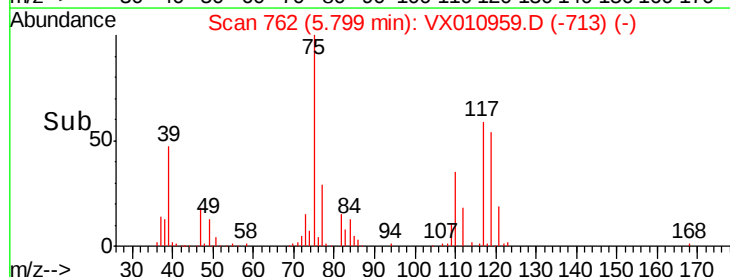
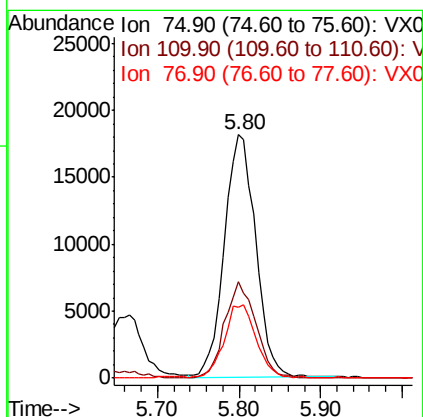
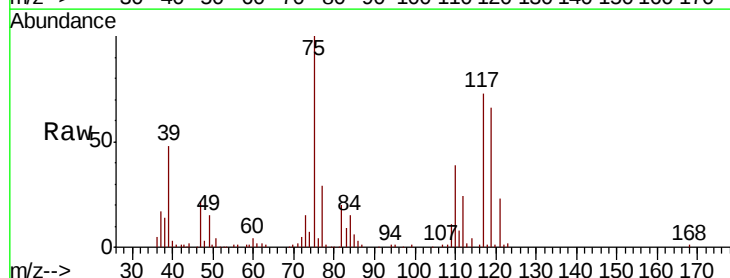
Instrument :
 MSVOA_X
 ClientSampleId :

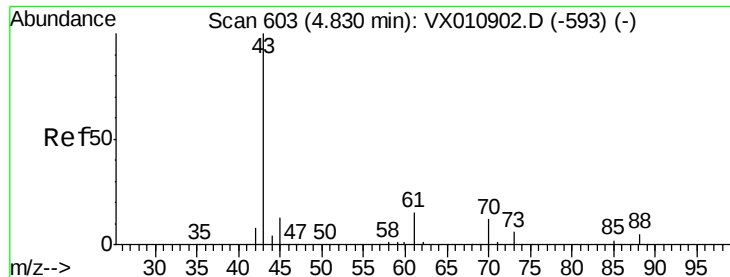
Tot Ion:113 Resp: 97540
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.3 123.5
 192 22.2 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 19.123 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion: 75 Resp: 47984
 Ion Ratio Lower Upper
 75 100
 110 39.5 19.9 59.7
 77 30.9 25.0 37.4

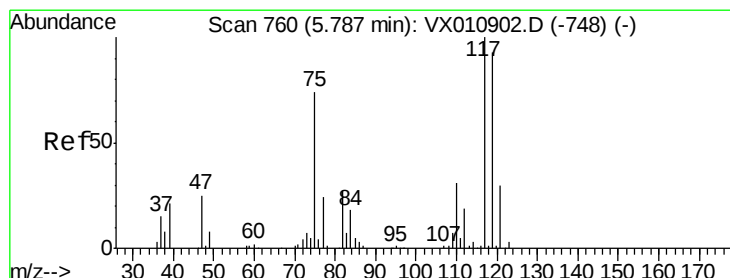
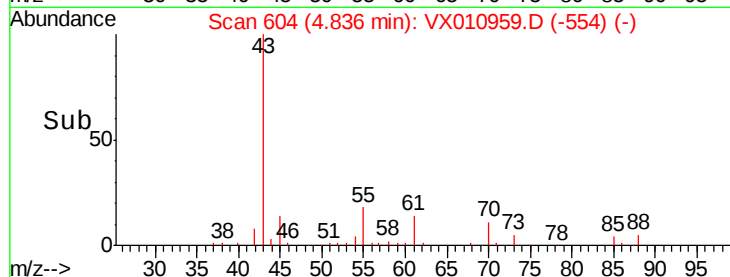
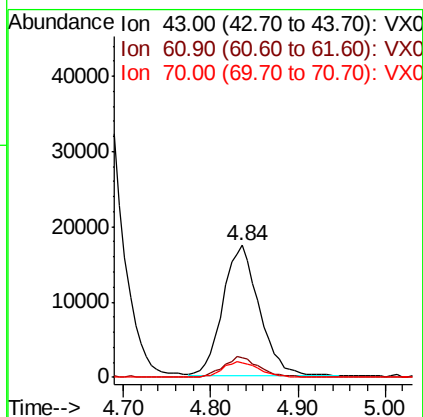
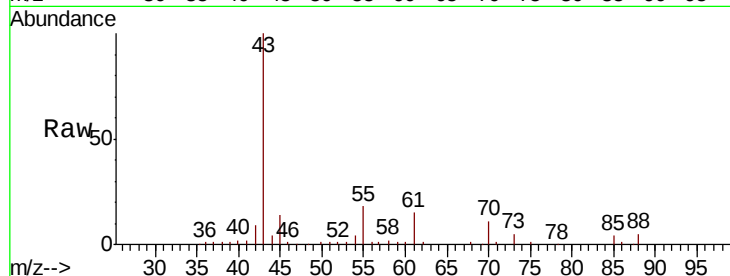




#37
Ethyl Acetate
Concen: 19.524 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

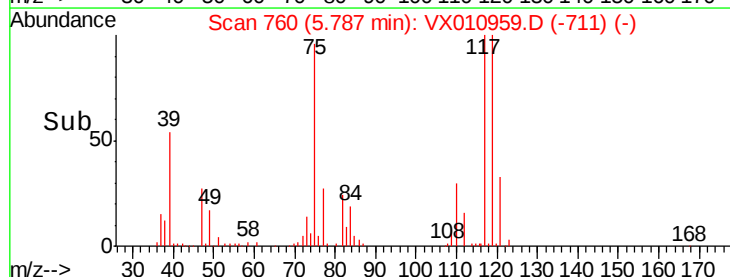
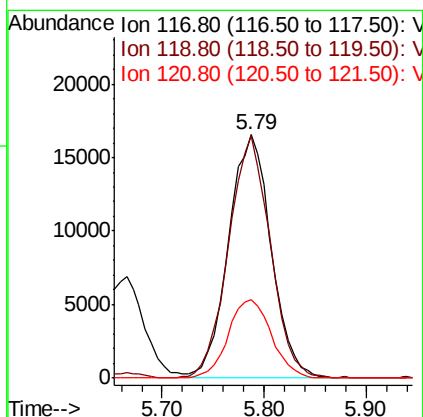
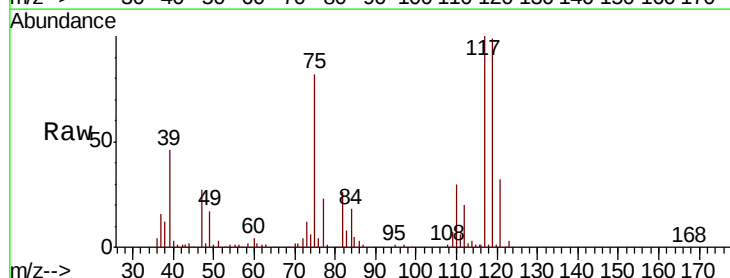
Instrument :
MSVOA_X
ClientSampleId :

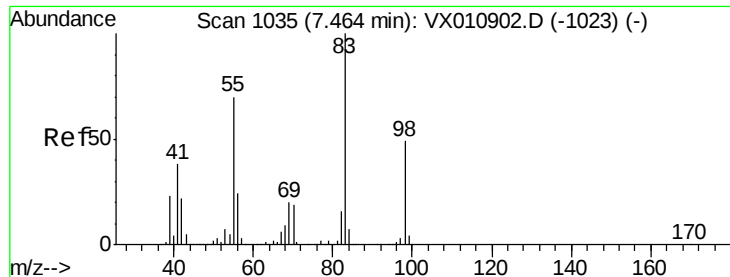
Tot Ion: 43 Resp: 50164
Ion Ratio Lower Upper
43 100
61 15.7 11.6 17.4
70 12.2 9.1 13.7



#38
Carbon Tetrachloride
Concen: 18.336 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 117 Resp: 47944
Ion Ratio Lower Upper
117 100
119 99.3 74.2 111.2
121 32.1 24.2 36.2

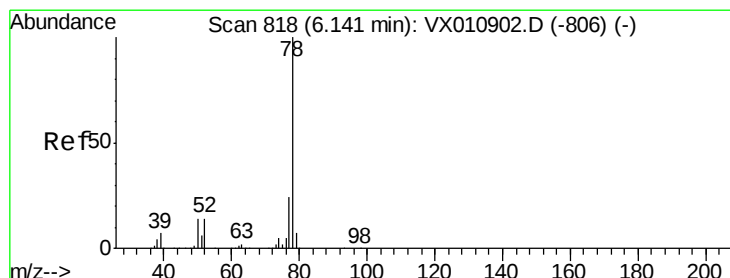
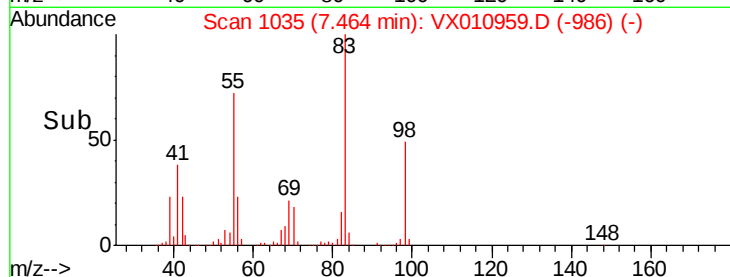
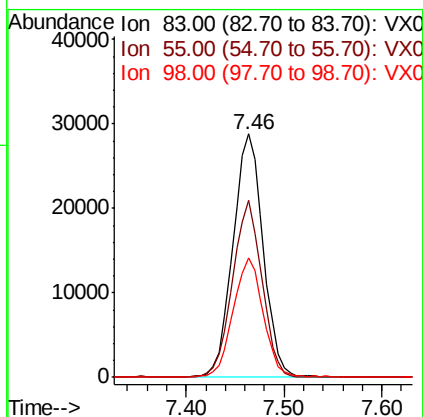
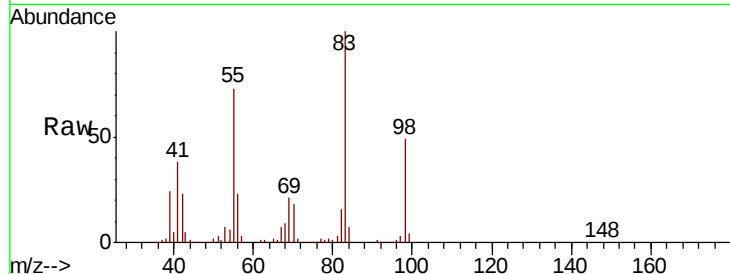




#39
Methvlcvclohexane
Concen: 18.941 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

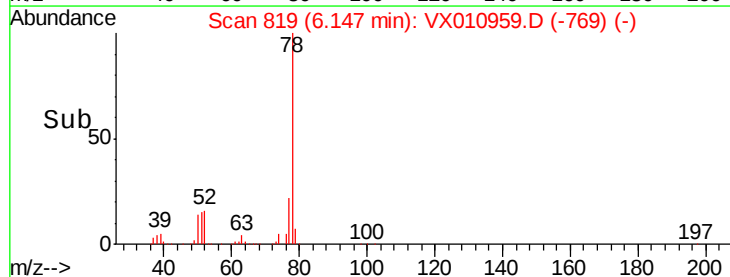
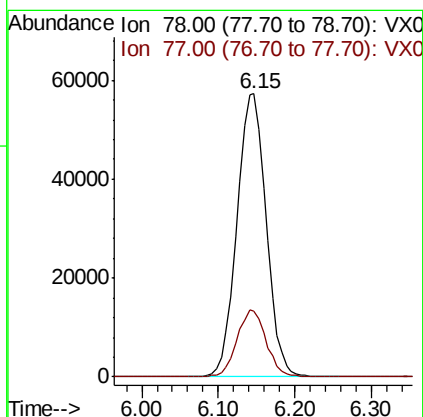
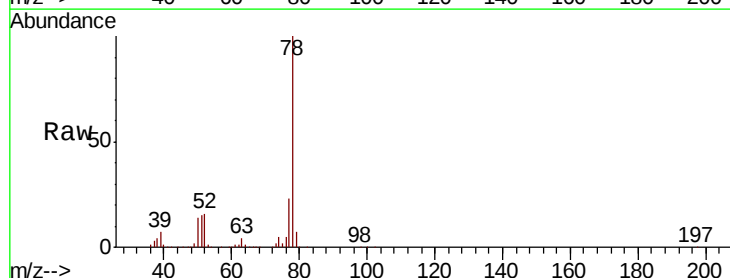
Instrument :
MSVOA_X
ClientSampleId :

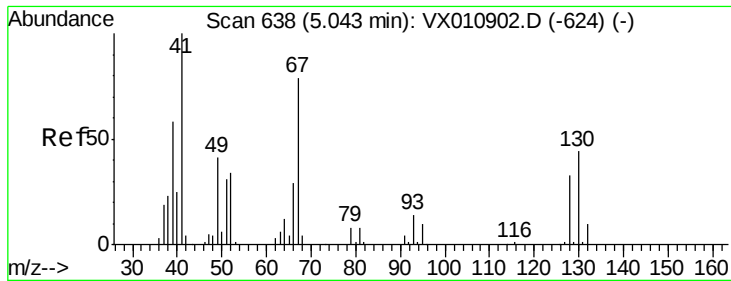
Tot Ion	83	Resp	61635
Ion Ratio	Lower	Upper	
83	100		
55	72.6	56.2	84.4
98	49.2	39.0	58.4



#40
Benzene
Concen: 19.782 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion	78	Resp	152055
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.0	28.6





#41

Methacrylonitrile

Concen: 17.967 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 26207

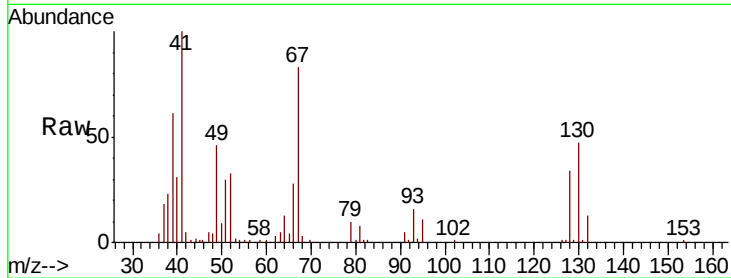
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.4	68.2
67	86.6	65.9	98.9
52	35.0	26.2	39.2

41 100

39 54.5 45.4 68.2

67 86.6 65.9 98.9

52 35.0 26.2 39.2

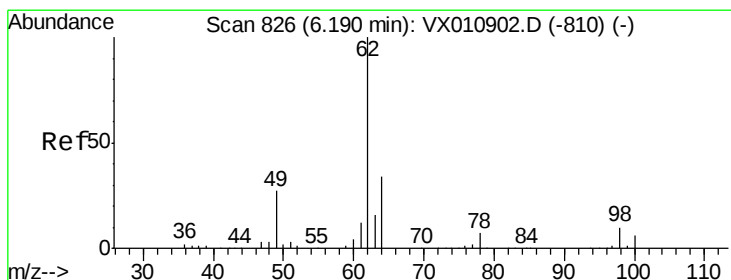
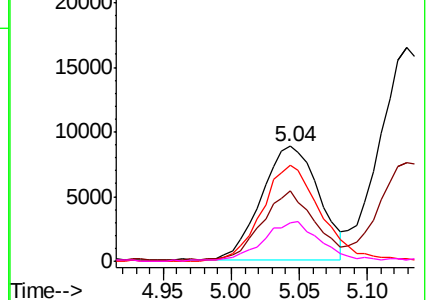
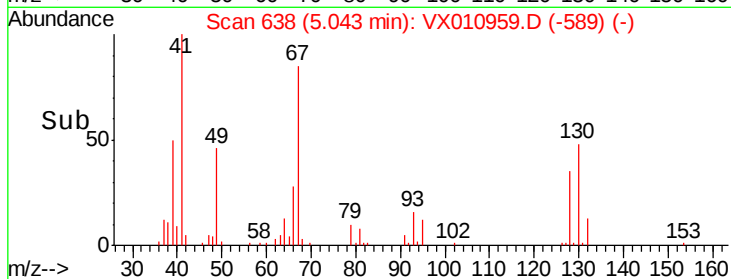


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 19.066 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010959.D

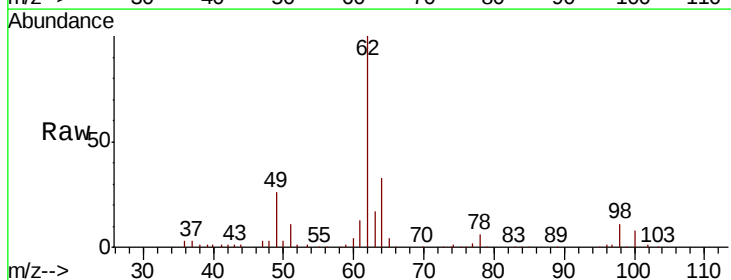
Acq: 18 Jul 2019 15:22

Tgt Ion: 62 Resp: 50954

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.0

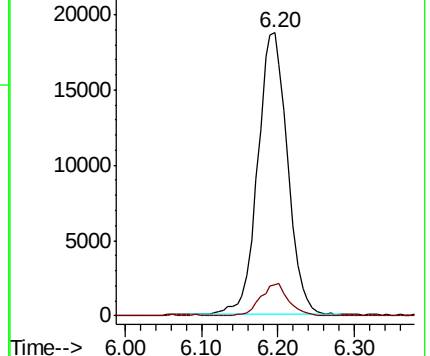
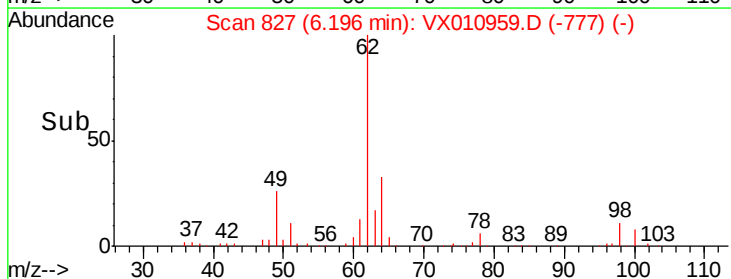
62 100

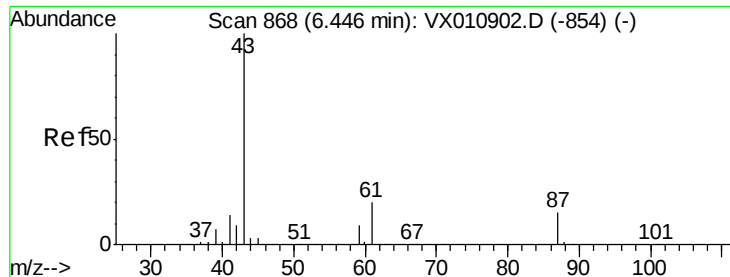
98 10.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.825 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

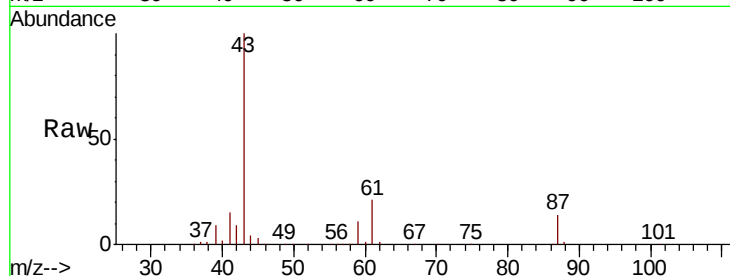
Tot Ion: 43 Resp: 79534

Ion Ratio Lower Upper

43 100

61 20.6 17.1 25.7

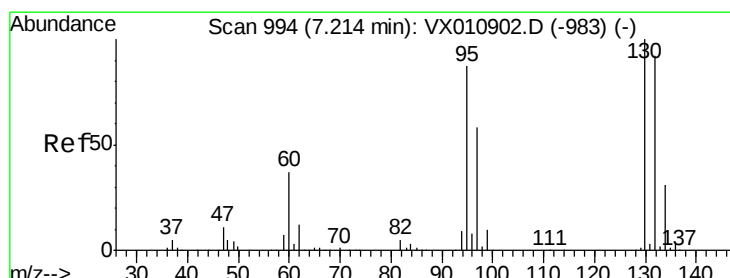
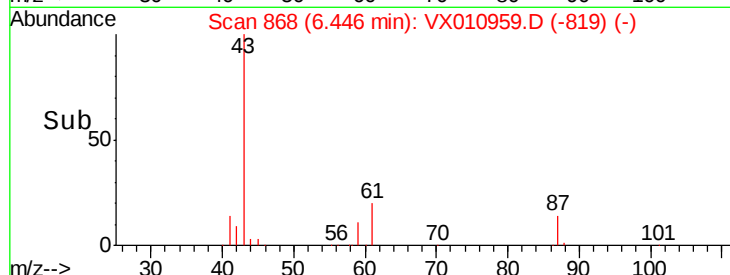
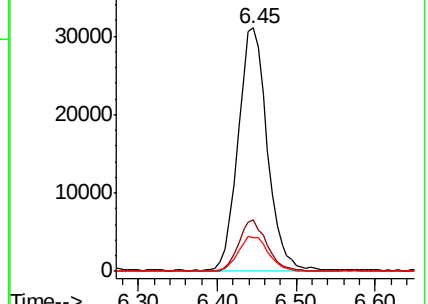
87 14.8 12.0 18.0



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: 18.507 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010959.D

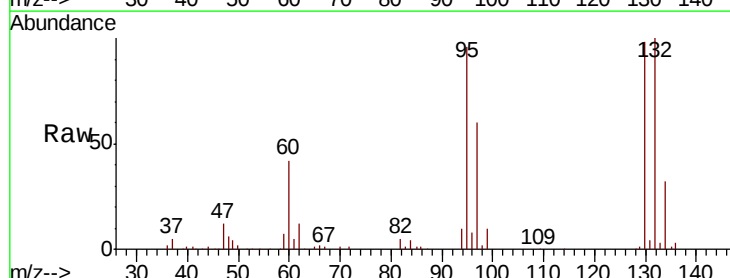
Acq: 18 Jul 2019 15:22

Tgt Ion:130 Resp: 42107

Ion Ratio Lower Upper

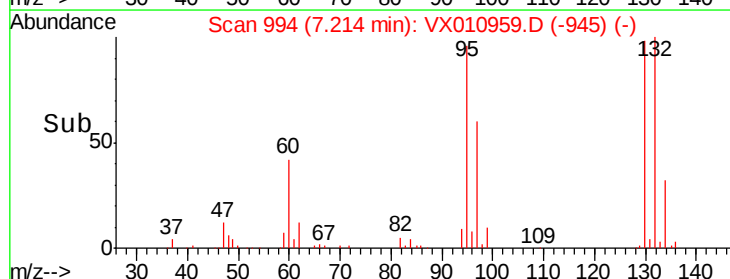
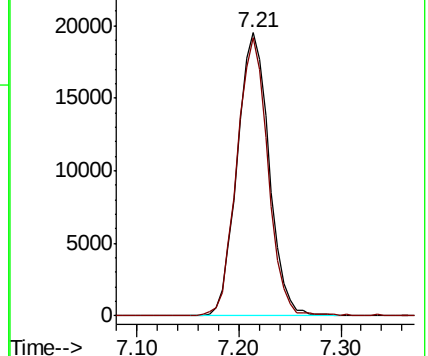
130 100

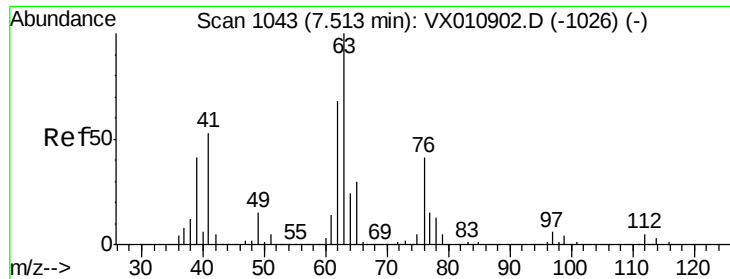
95 98.3 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.596 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

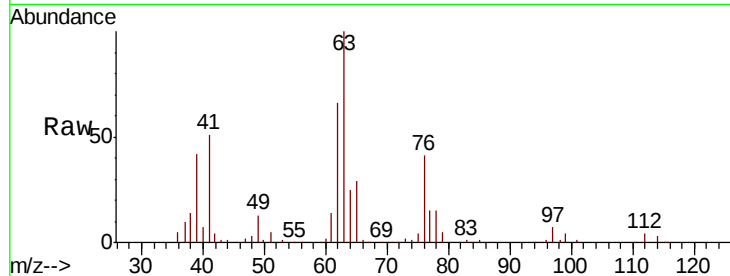
ClientSampleId :

Tot Ion: 63 Resp: 38336

Ion Ratio Lower Upper

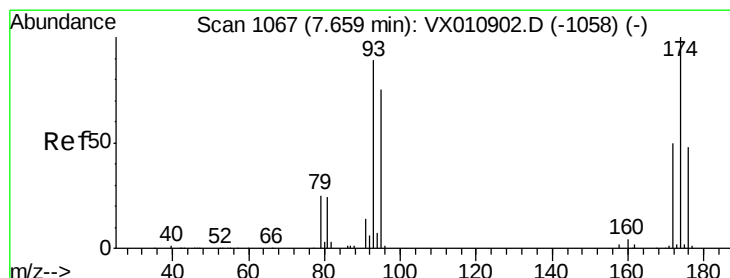
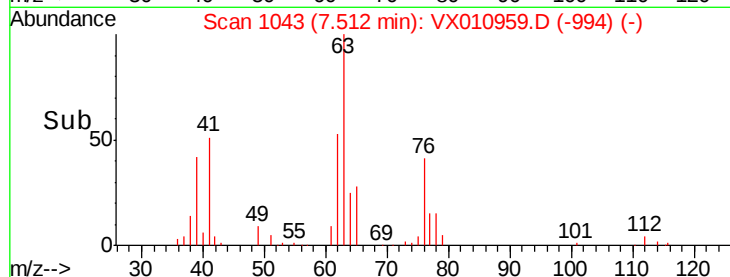
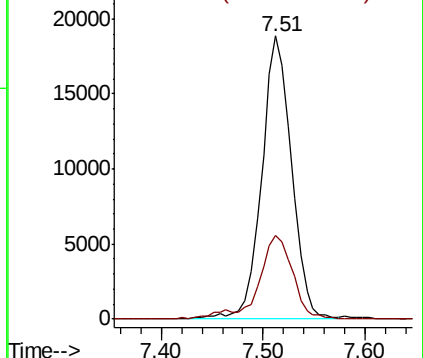
63 100

65 29.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.641 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

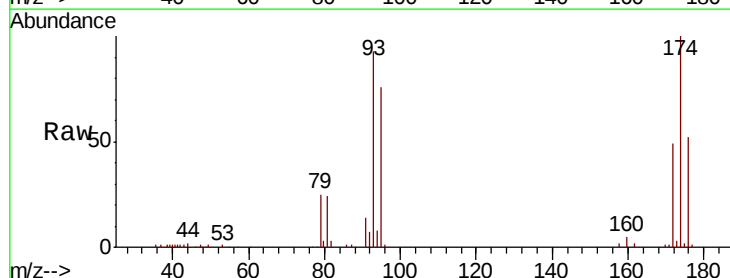
Tgt Ion: 93 Resp: 27456

Ion Ratio Lower Upper

93 100

95 84.5 67.2 100.8

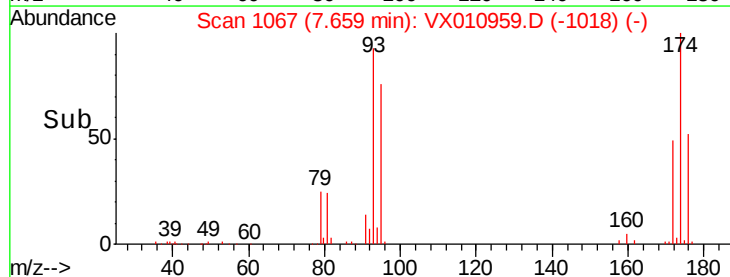
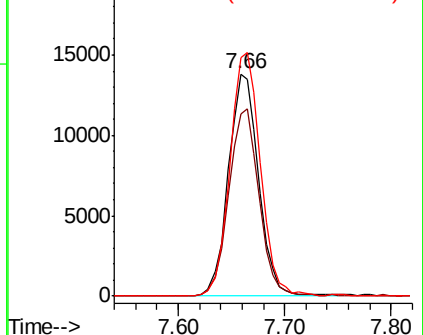
174 110.7 90.6 135.8

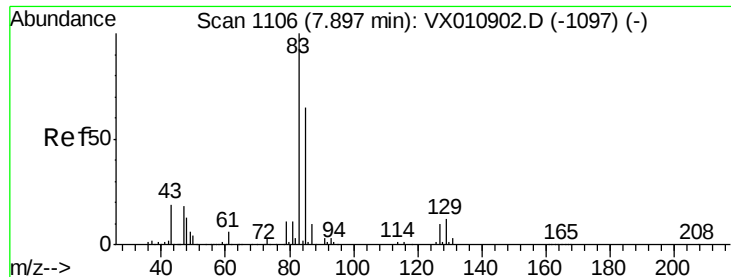


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.528 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :

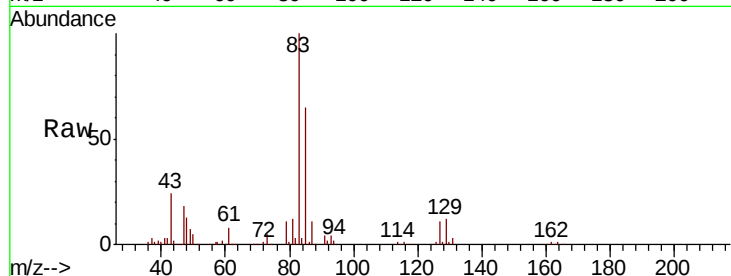
Tot Ion: 83 Resp: 46106

Ion Ratio Lower Upper

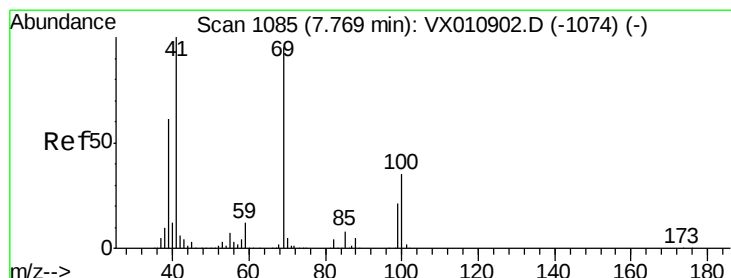
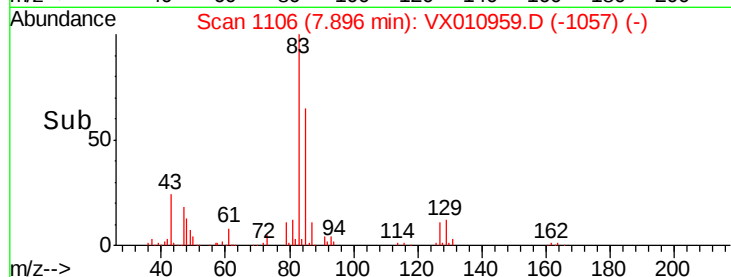
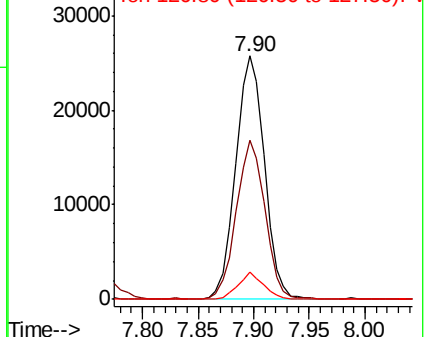
83 100

85 65.4 52.5 78.7

127 11.0 7.8 11.8



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: 18.589 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

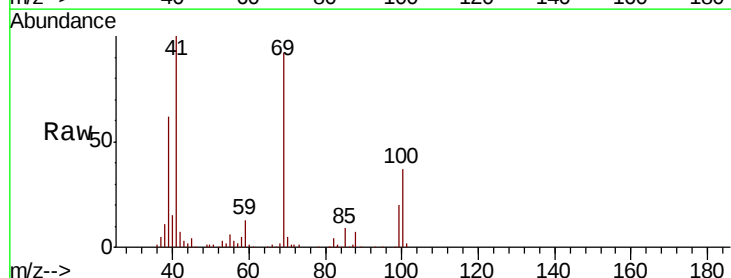
Tgt Ion: 41 Resp: 38259

Ion Ratio Lower Upper

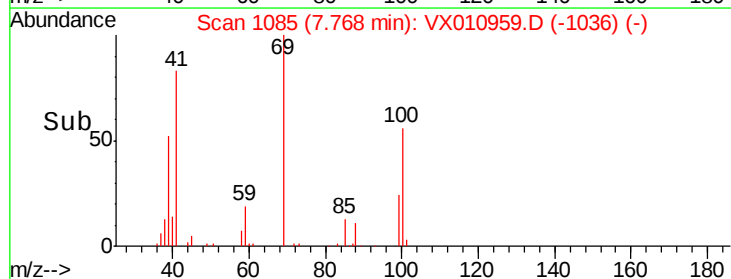
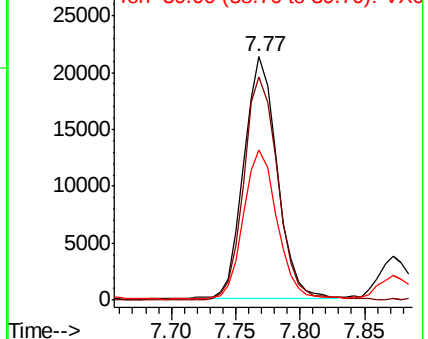
41 100

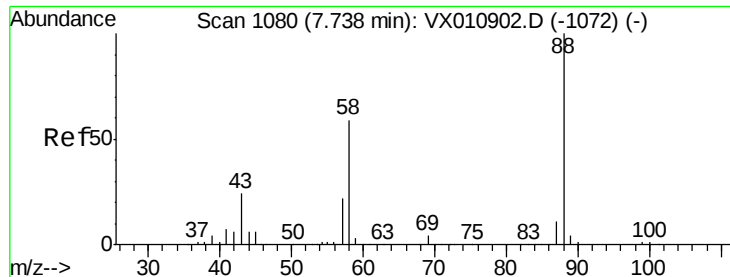
69 94.3 74.4 111.6

39 62.5 48.9 73.3



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

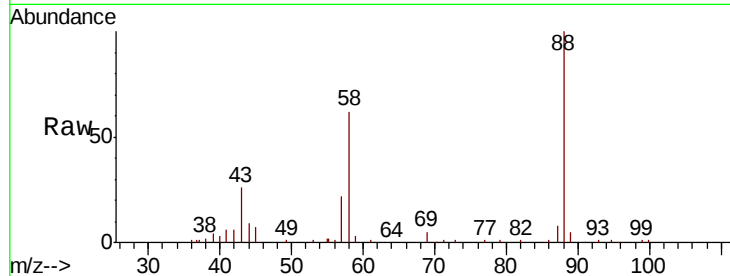




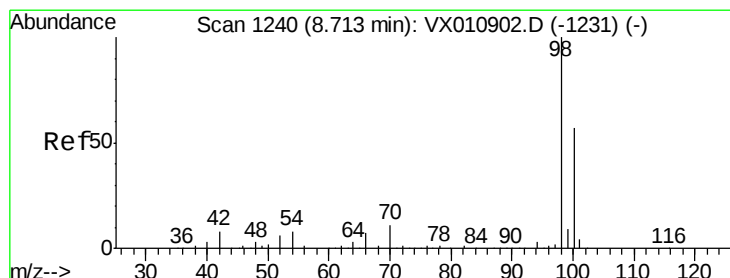
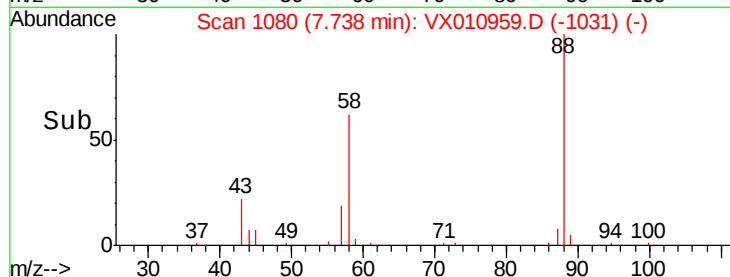
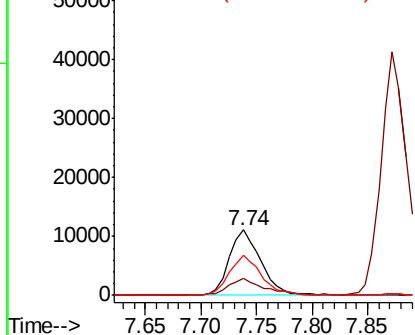
#49
1,4-Dioxane
Concen: 376.071 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 21651
Ion Ratio Lower Upper
88 100
43 27.5 22.9 34.3
58 63.4 49.8 74.8

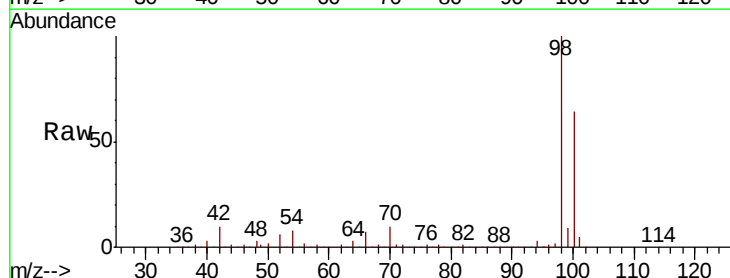


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

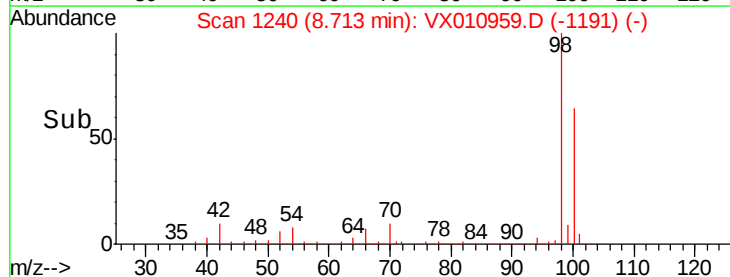
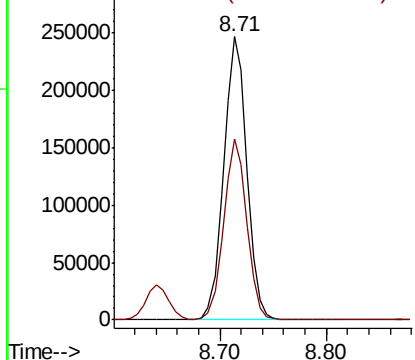


#50
Toluene-d8
Concen: 51.292 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 98 Resp: 373012
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8



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

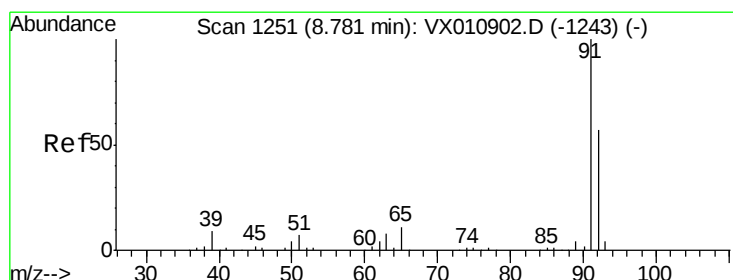
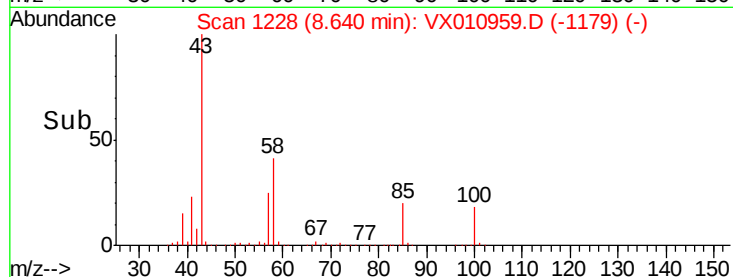
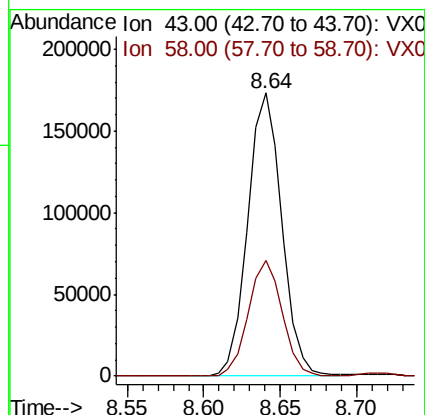
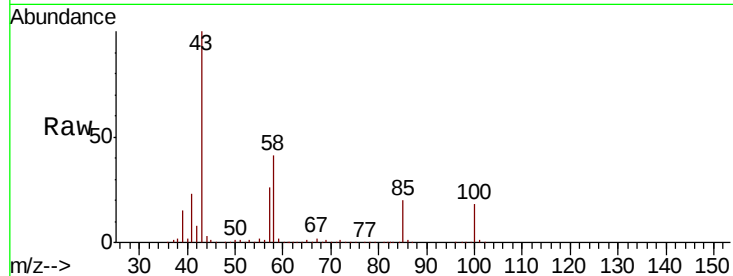




#51
4-Methyl-2-Pentanone
Concen: 97.661 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

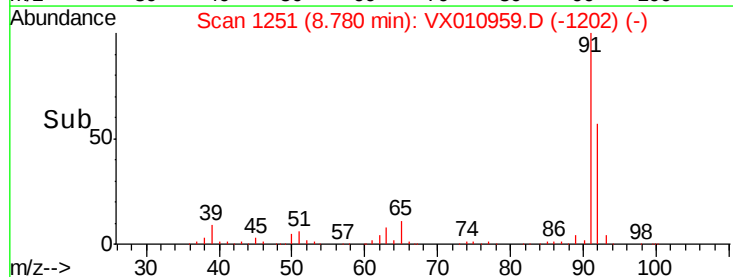
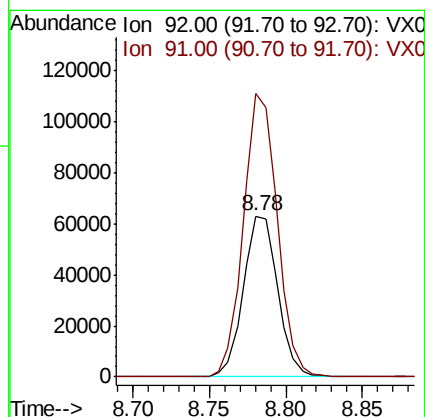
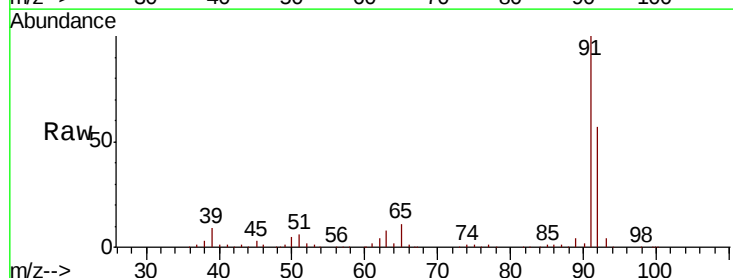
Instrument :
MSVOA_X
ClientSampleId :

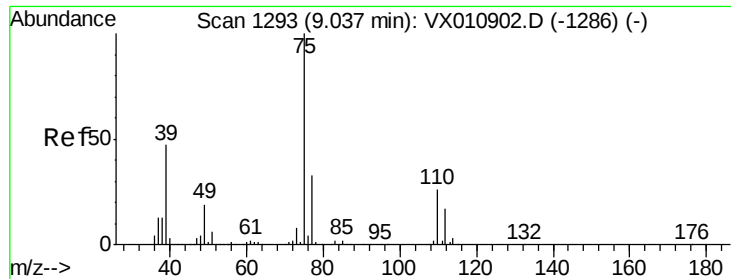
Tot Ion: 43 Resp: 267467
Ion Ratio Lower Upper
43 100
58 40.8 32.2 48.4



#52
Toluene
Concen: 19.443 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 92 Resp: 98178
Ion Ratio Lower Upper
92 100
91 174.6 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 17.576 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

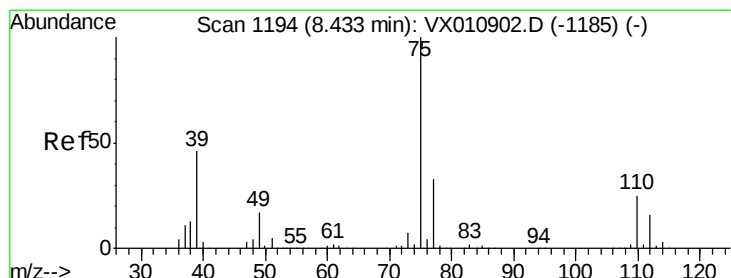
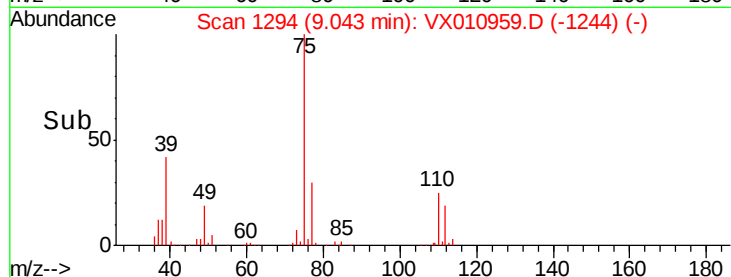
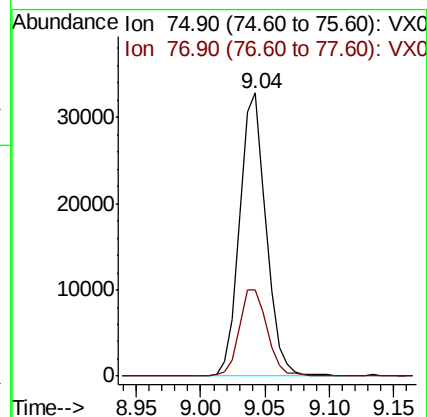
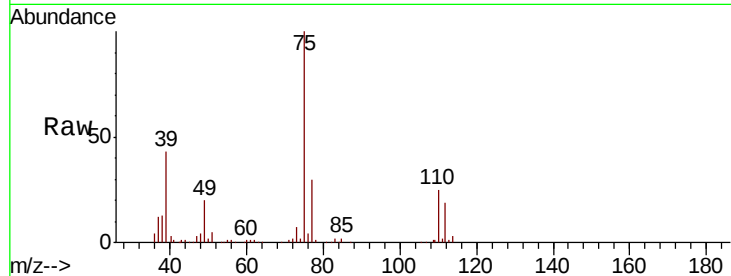
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 47027

Ion Ratio Lower Upper

75 100

77 30.4 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 18.472 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

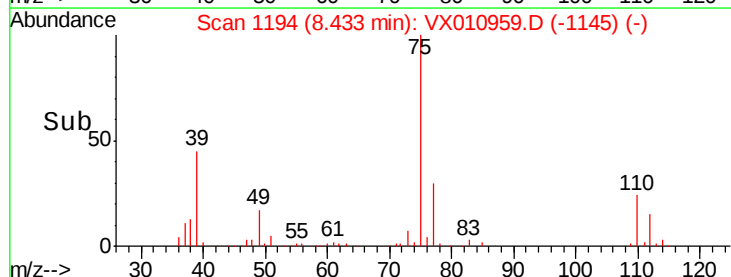
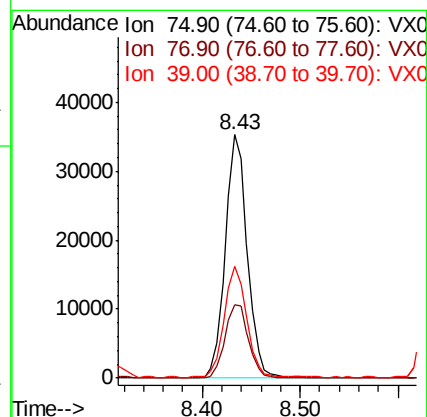
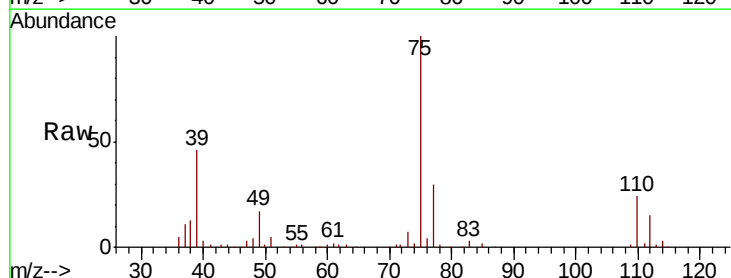
Tgt Ion: 75 Resp: 54996

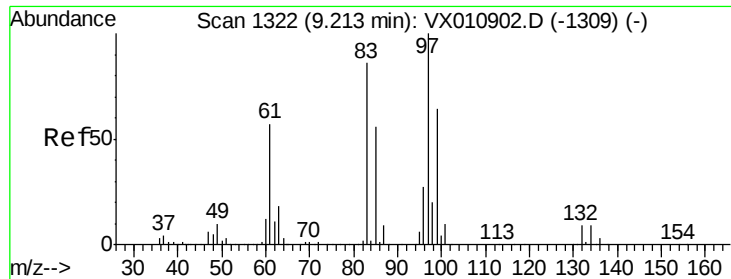
Ion Ratio Lower Upper

75 100

77 30.0 26.1 39.1

39 45.5 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 19.748 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

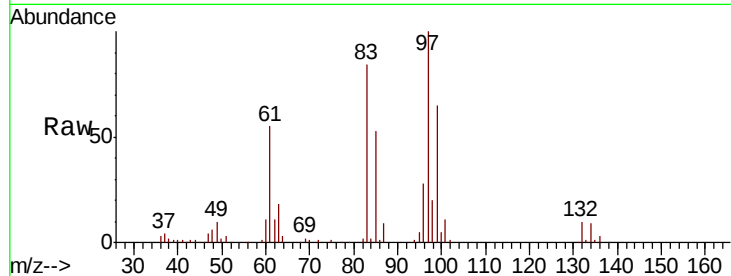
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 41057

Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.2	103.8
85	53.2	44.6	66.8
99	65.2	51.2	76.8



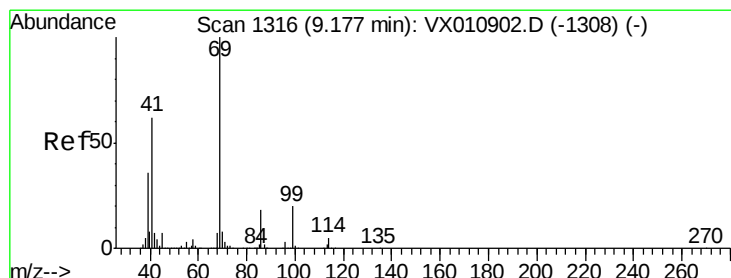
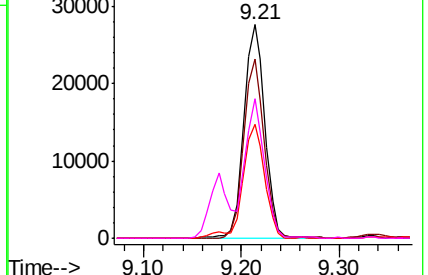
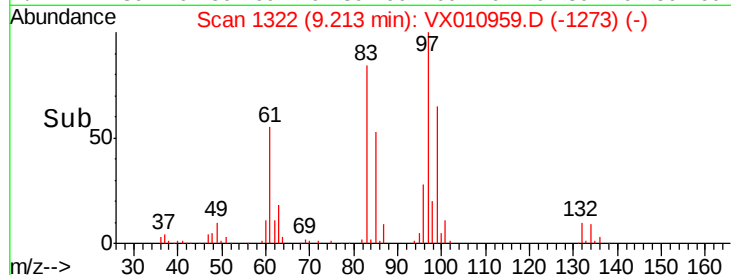
Abundance

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: 19.212 ug/l

RT: 9.18 min Scan# 1316

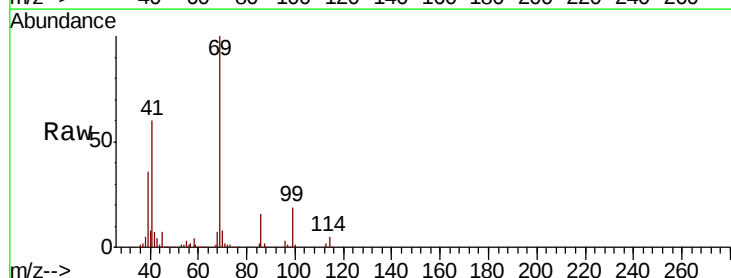
Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Tgt Ion: 69 Resp: 58426

Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.7	74.5
39	37.1	29.6	44.4

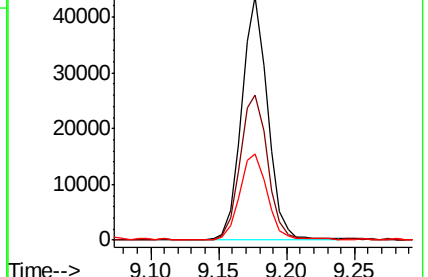
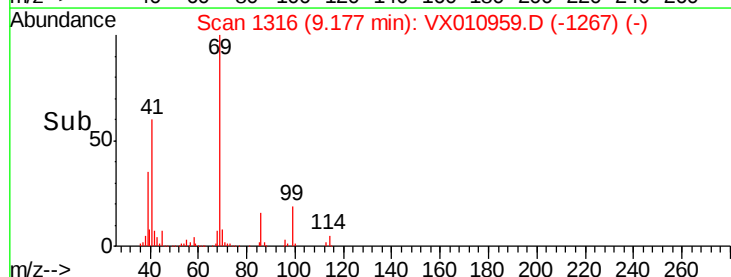


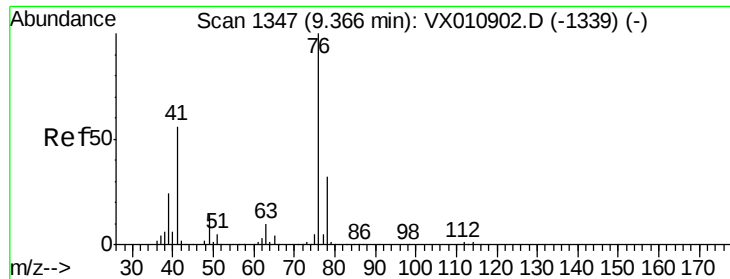
Abundance

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: 19.165 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

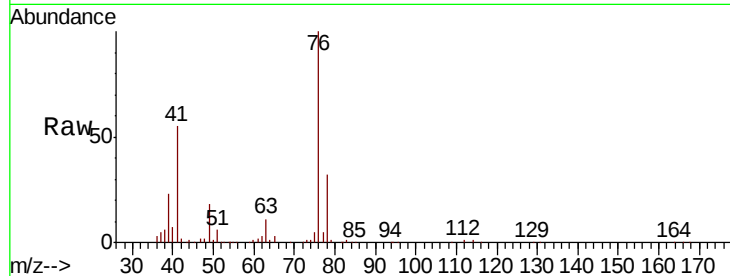
ClientSampleId :

Tot Ion: 76 Resp: 63211

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

40000

30000

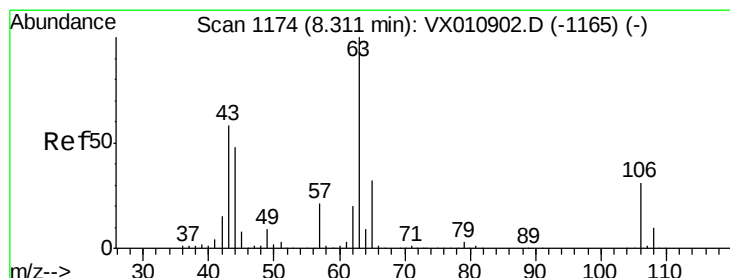
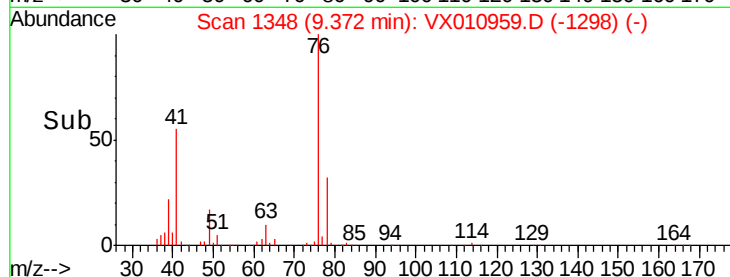
20000

10000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.540 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010959.D

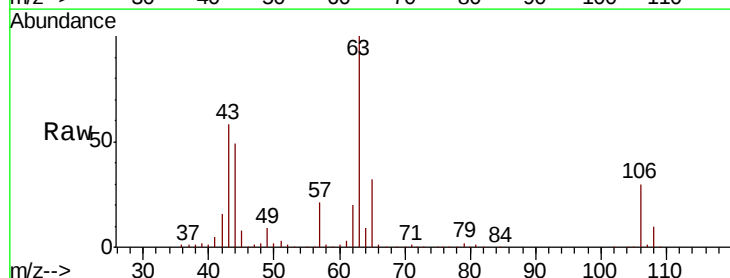
Acq: 18 Jul 2019 15:22

Tgt Ion: 63 Resp: 147410

Ion Ratio Lower Upper

63 100

106 29.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

100000

80000

60000

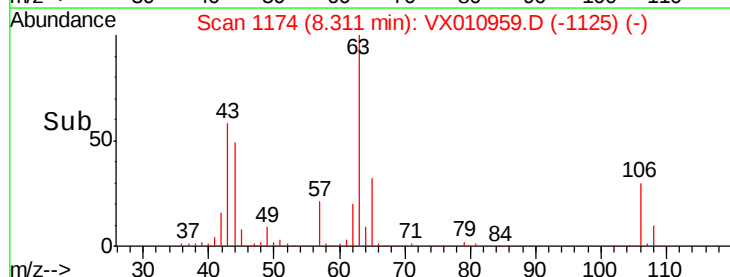
40000

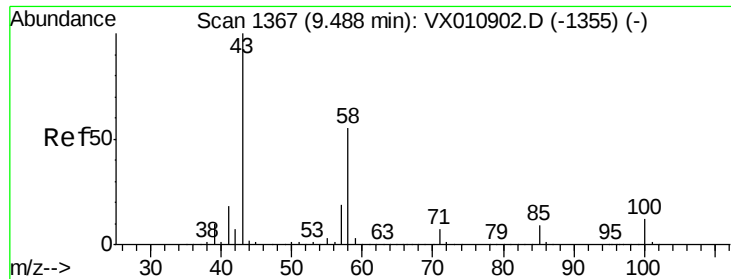
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->

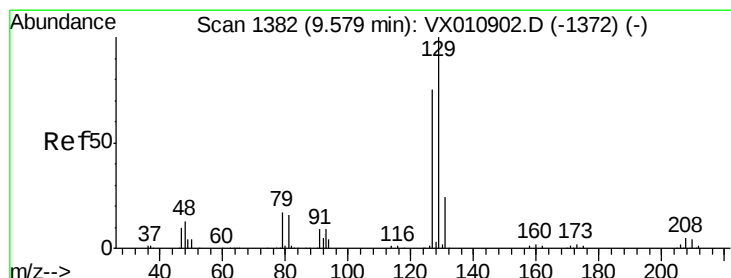
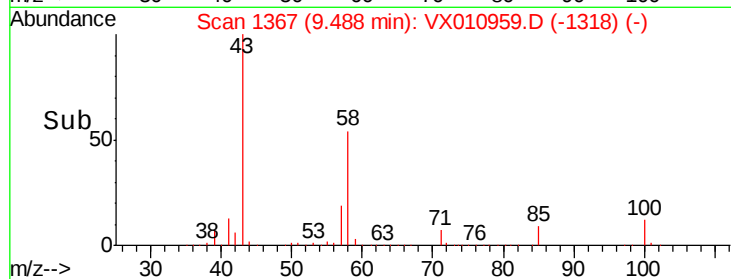
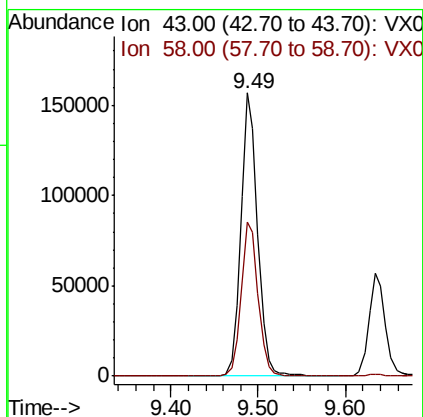
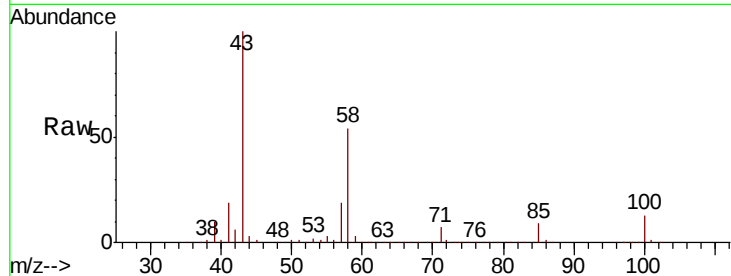




#59
2-Hexanone
Concen: 97.937 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

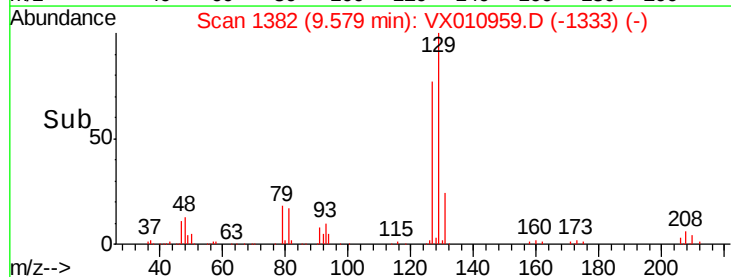
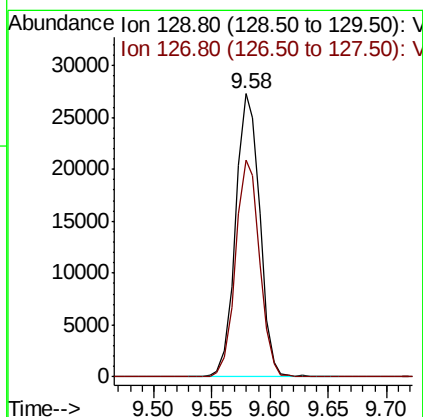
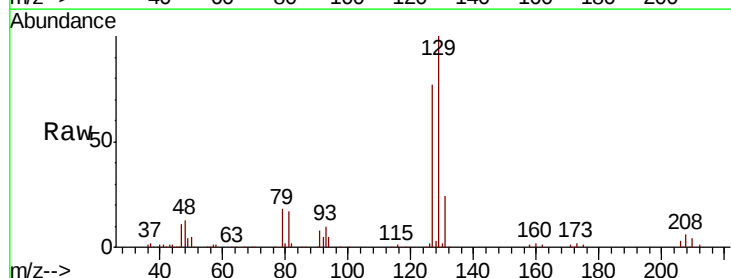
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 208039
Ion Ratio Lower Upper
43 100
58 55.8 28.0 83.9



#60
Dibromochloromethane
Concen: 18.181 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion:129 Resp: 39450
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.611 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

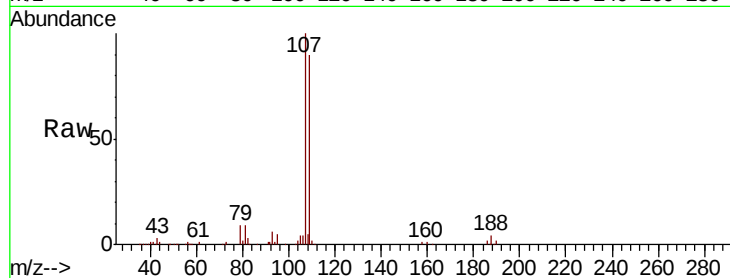
ClientSampleId :

Tot Ion:107 Resp: 43270

Ion Ratio Lower Upper

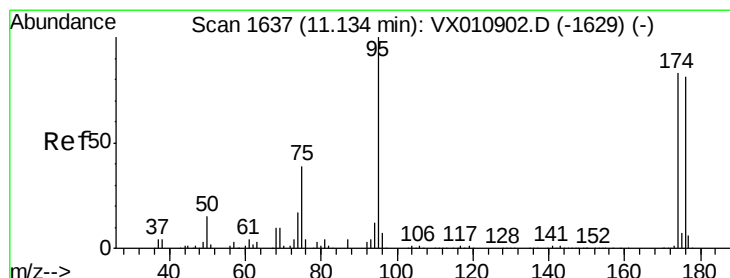
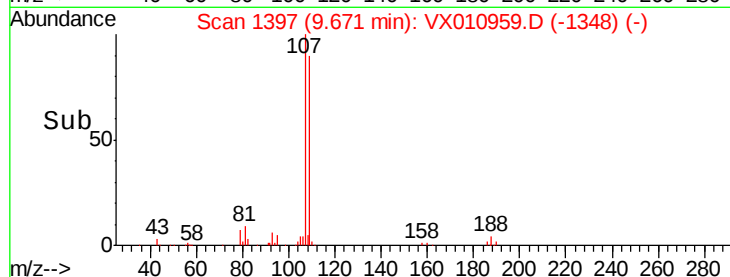
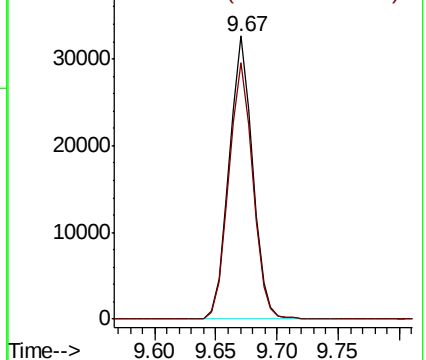
107 100

109 92.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.224 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

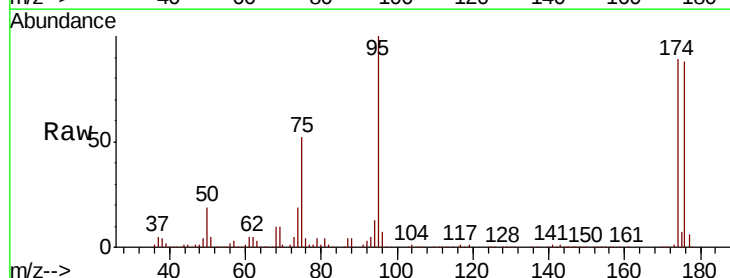
Tgt Ion: 95 Resp: 131580

Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.6

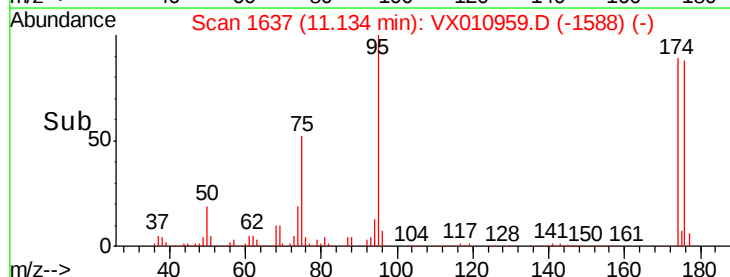
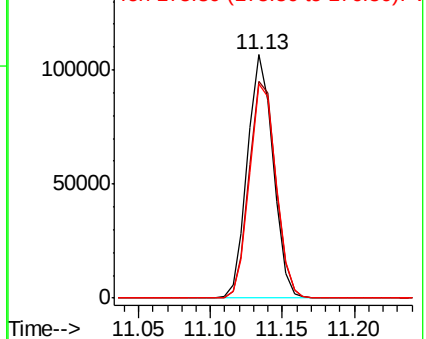
176 90.9 0.0 173.8

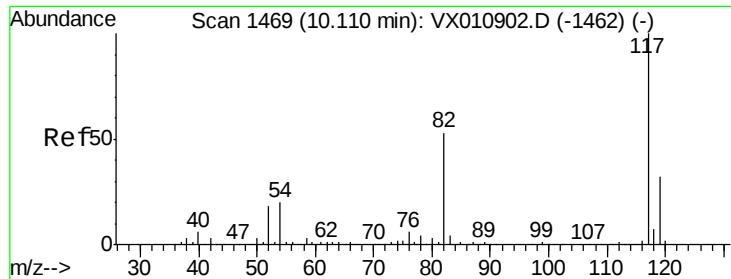


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

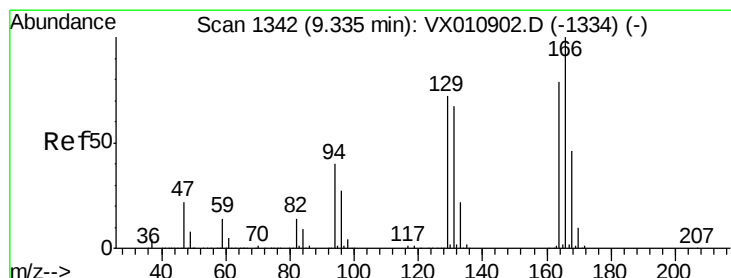
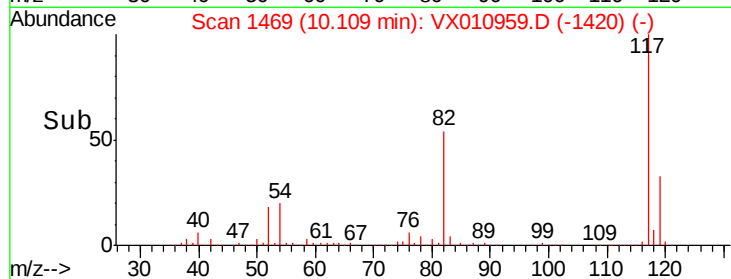
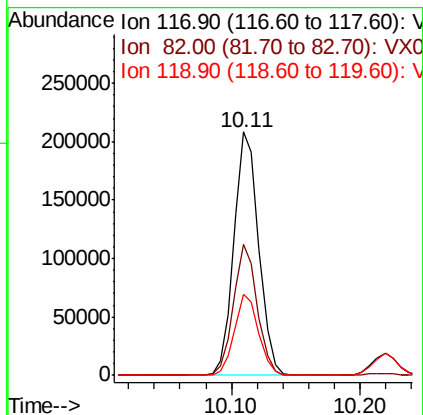
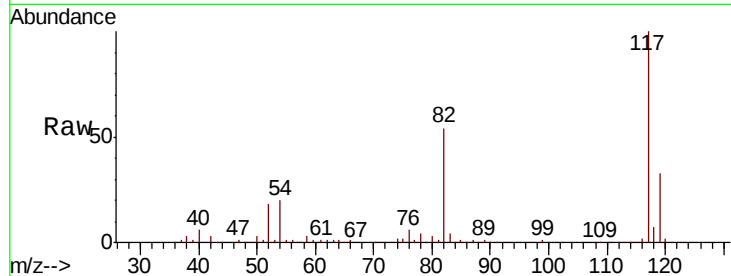




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

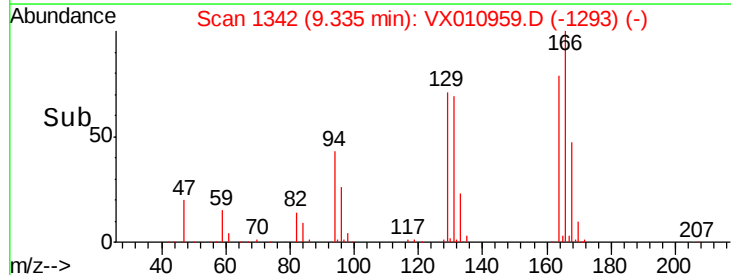
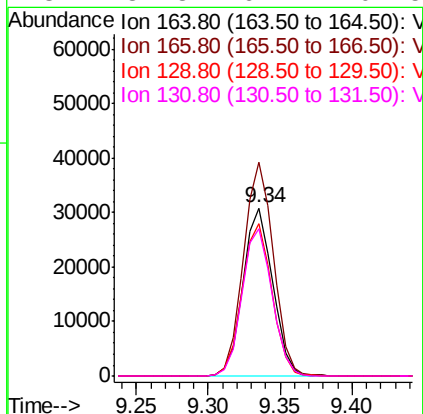
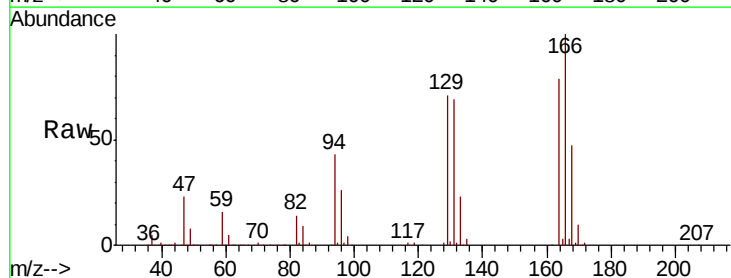
Instrument :
MSVOA_X
ClientSampled :

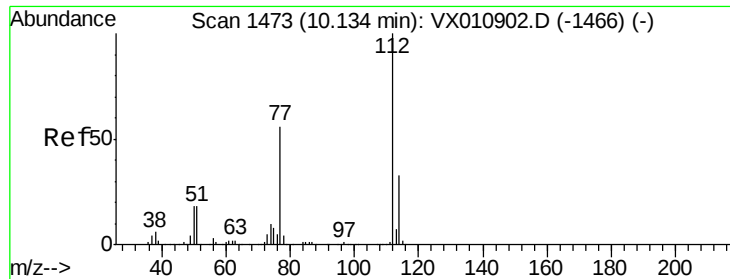
Tot Ion:117 Resp: 279370
Ion Ratio Lower Upper
117 100
82 53.9 42.6 63.8
119 33.2 25.9 38.9



#64
Tetrachloroethene
Concen: 19.924 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion:164 Resp: 43788
Ion Ratio Lower Upper
164 100
166 127.1 100.8 151.2
129 90.6 72.6 109.0
131 87.8 67.7 101.5

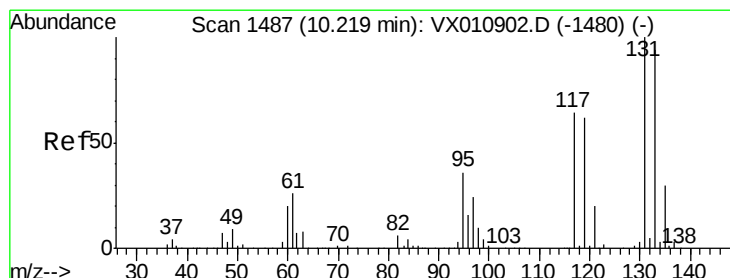
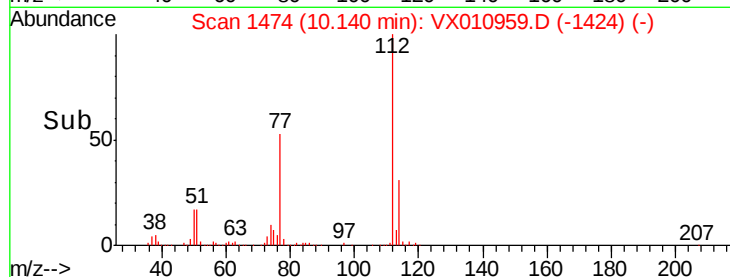
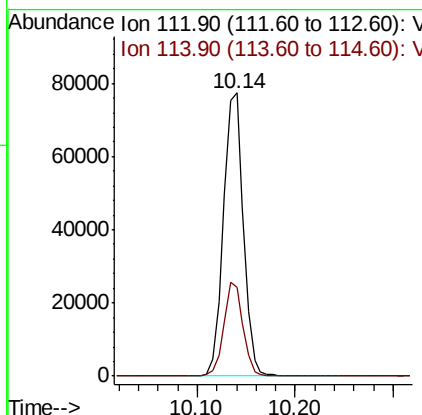
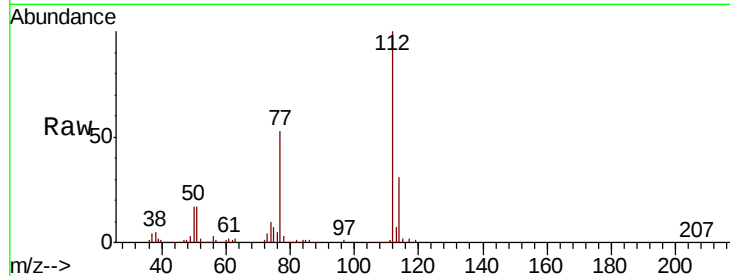




#65
Chlorobenzene
Concen: 19.105 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

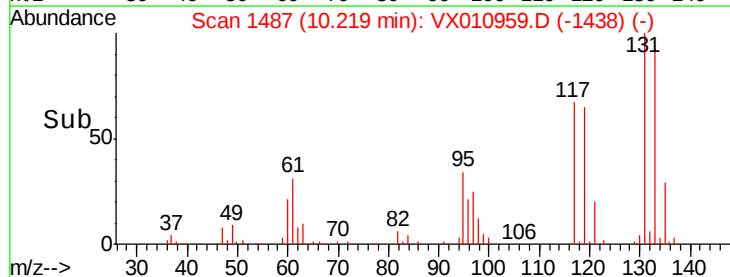
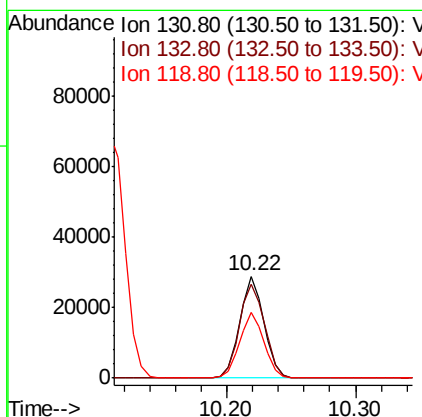
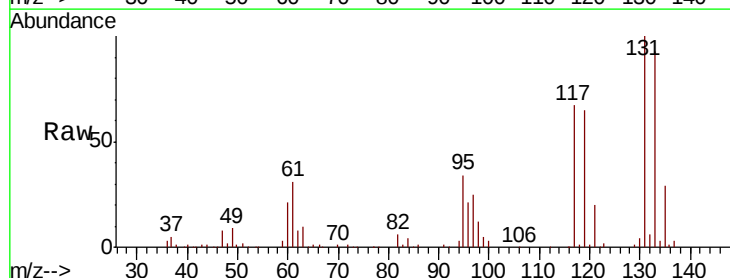
Instrument :
MSVOA_X
ClientSampleId :

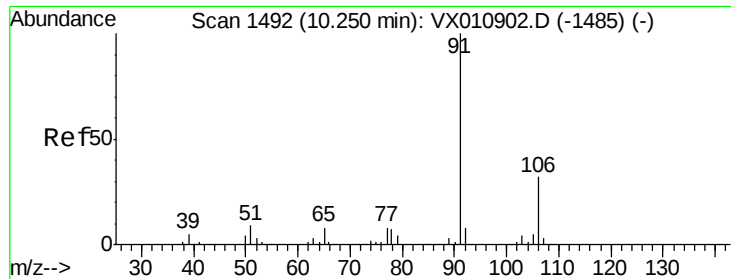
Tot Ion:112 Resp: 109625
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.587 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion:131 Resp: 37484
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.4
119 65.4 31.9 95.7

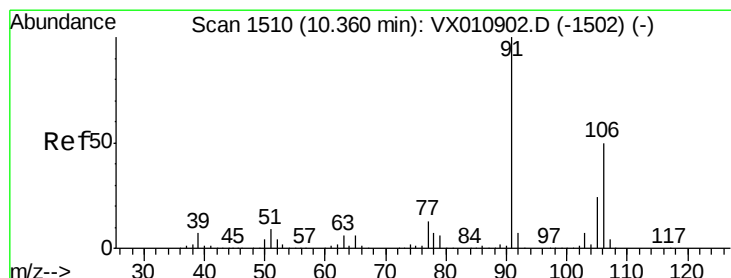
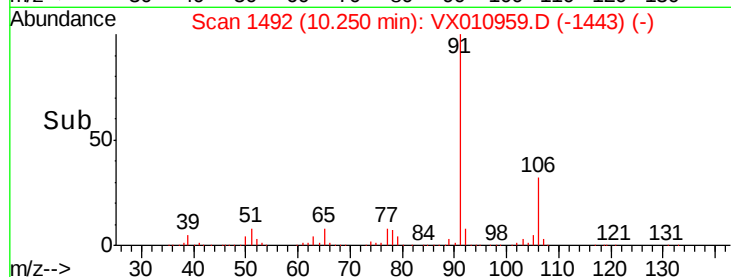
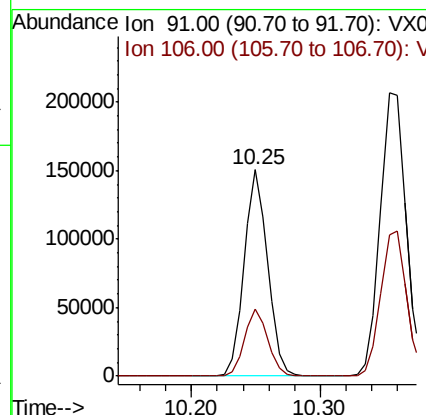
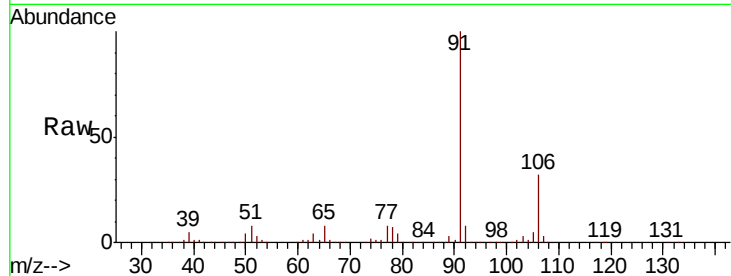




#67
Ethyl Benzene
Concen: 19.454 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

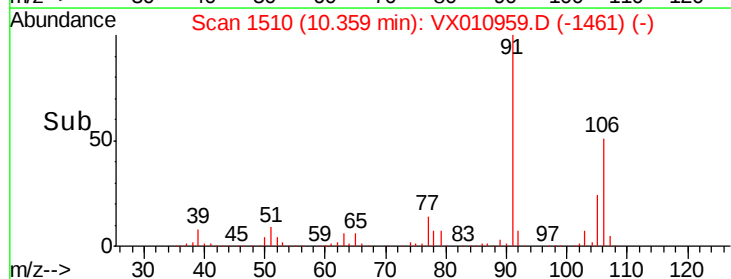
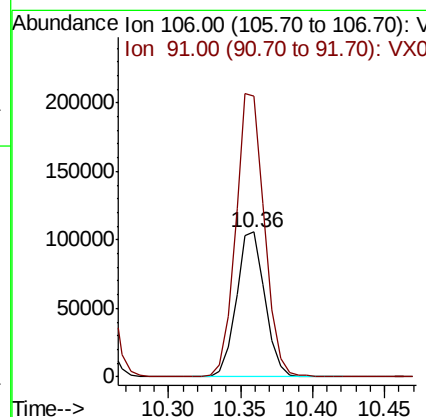
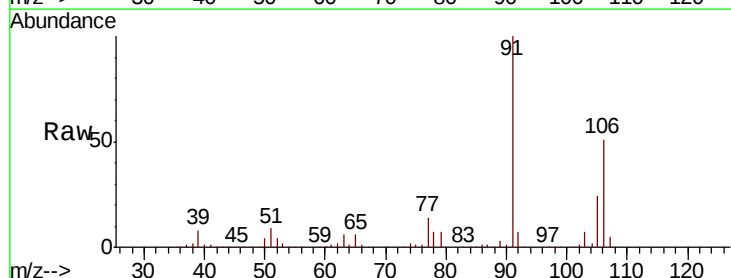
Instrument :
MSVOA_X
ClientSampleId :

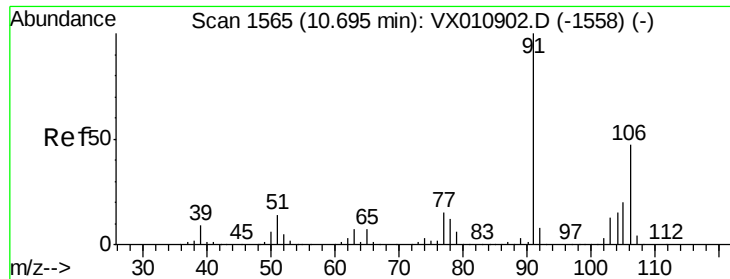
Tot Ion: 91 Resp: 190000
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 39.135 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 106 Resp: 146617
Ion Ratio Lower Upper
106 100
91 195.5 160.1 240.1

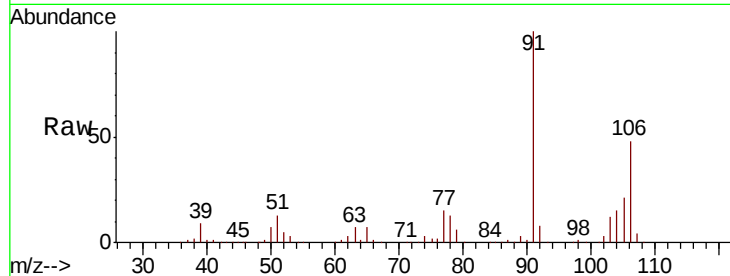




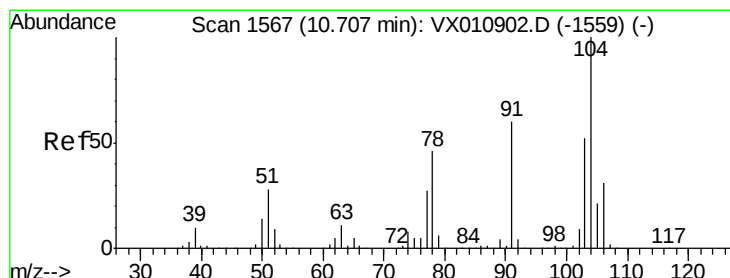
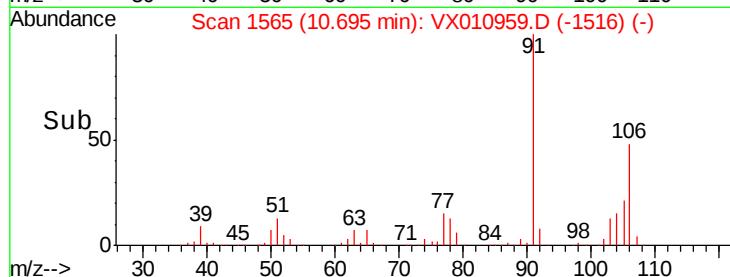
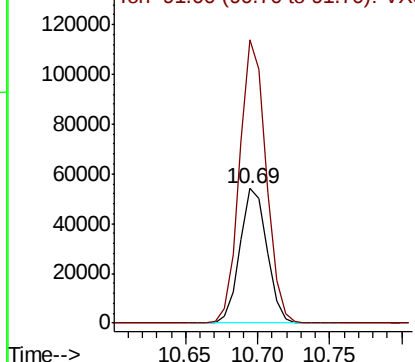
#69
o-Xylene
Concen: 19.354 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 70764
Ion Ratio Lower Upper
106 100
91 206.5 105.1 315.3

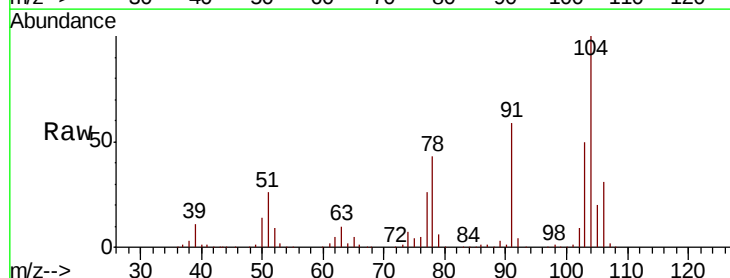


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

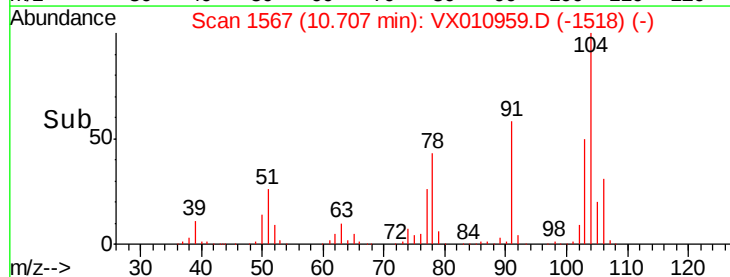
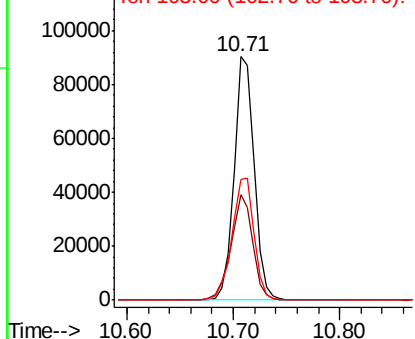


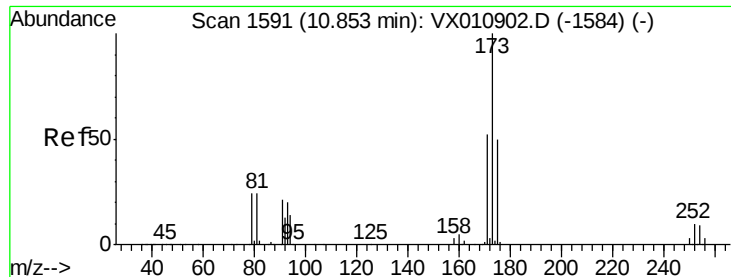
#70
Styrene
Concen: 19.693 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion:104 Resp: 120033
Ion Ratio Lower Upper
104 100
78 46.6 38.8 58.2
103 55.2 44.2 66.4



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: 16.825 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampled :

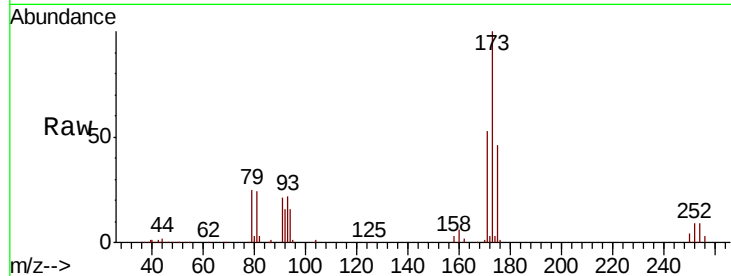
Tot Ion:173 Resp: 27621

Ion Ratio Lower Upper

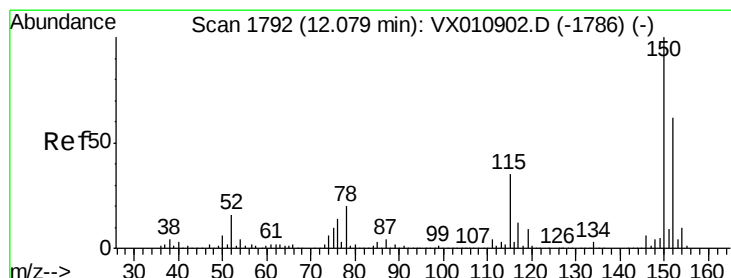
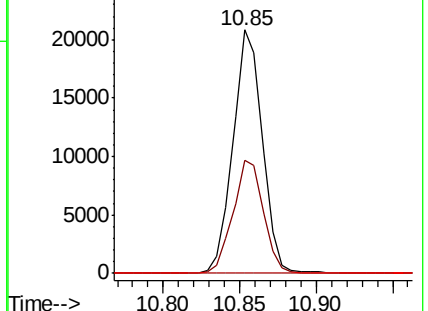
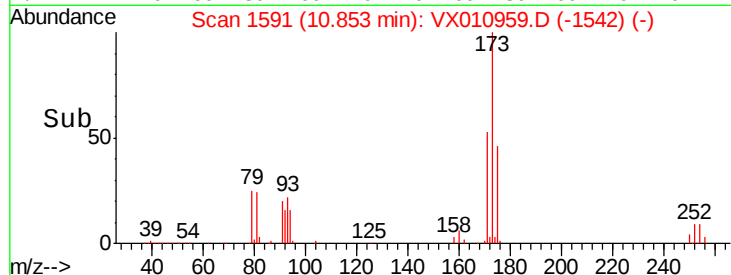
173 100

175 47.7 24.6 73.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

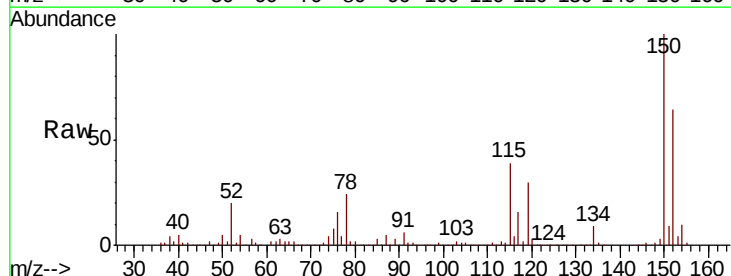
Tgt Ion:152 Resp: 145986

Ion Ratio Lower Upper

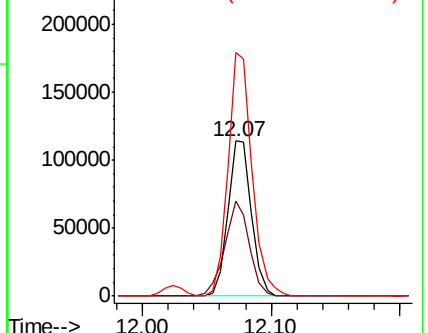
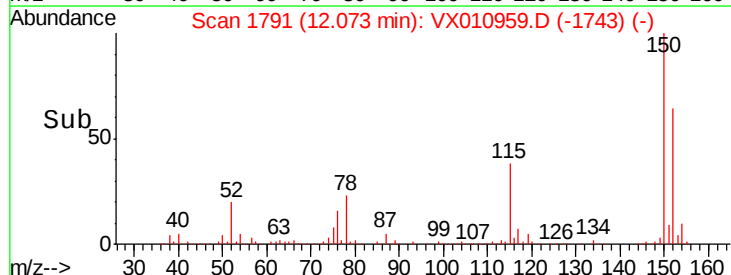
152 100

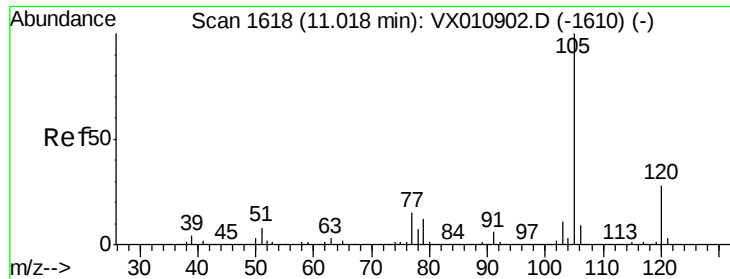
115 64.2 39.7 119.1

150 160.5 0.0 345.6



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

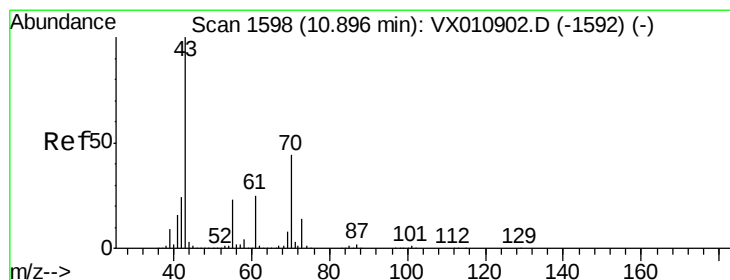
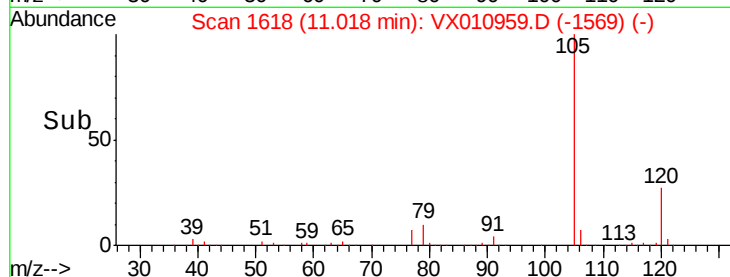
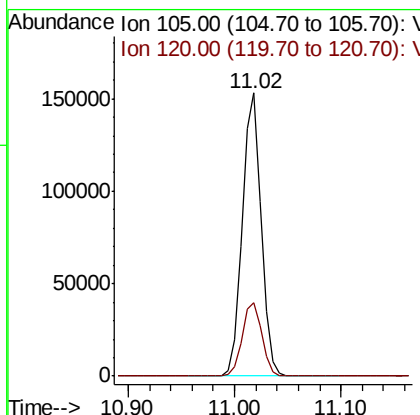
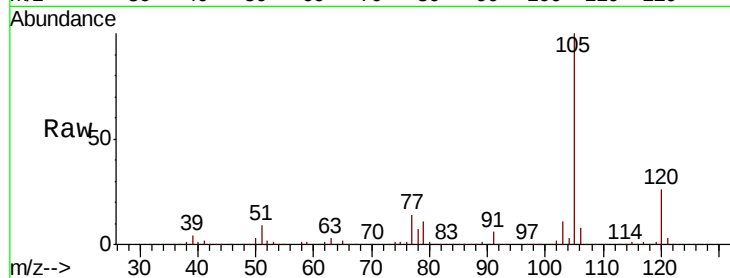




#73
Isopropylbenzene
Concen: 19.307 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

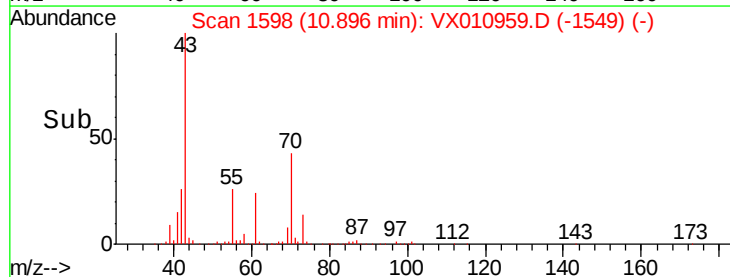
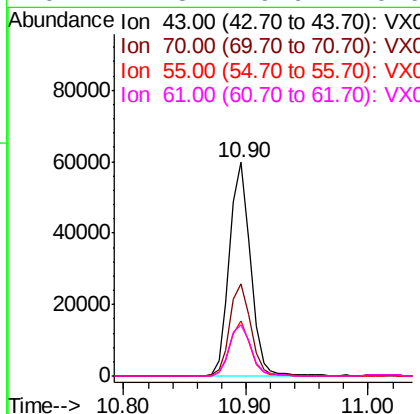
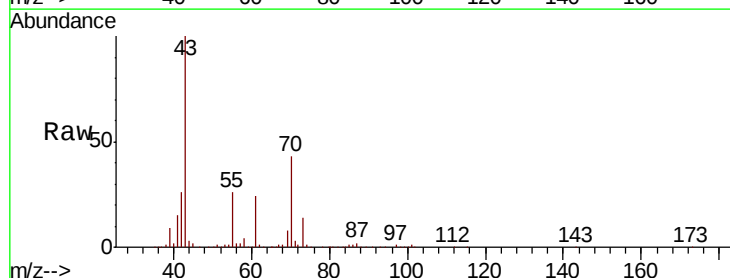
Instrument :
MSVOA_X
ClientSampleId :

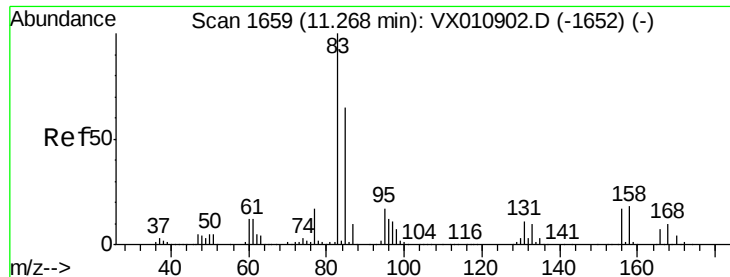
Tot Ion:105 Resp: 190445
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1



#74
N-ethyl acetate
Concen: 18.736 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 43 Resp: 70618
Ion Ratio Lower Upper
43 100
70 43.6 34.7 52.1
55 25.0 19.1 28.7
61 24.8 19.9 29.9

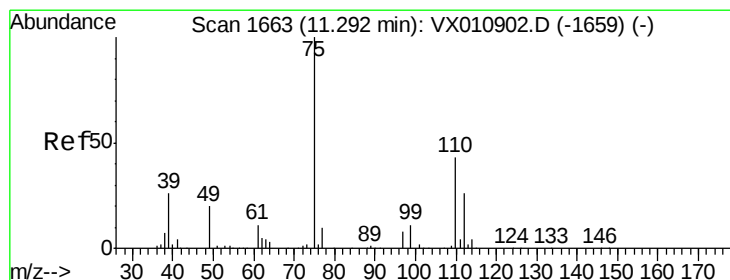
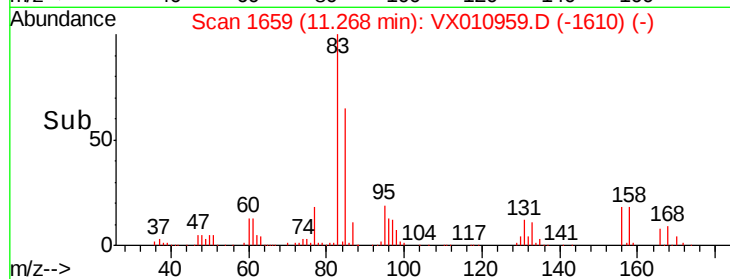
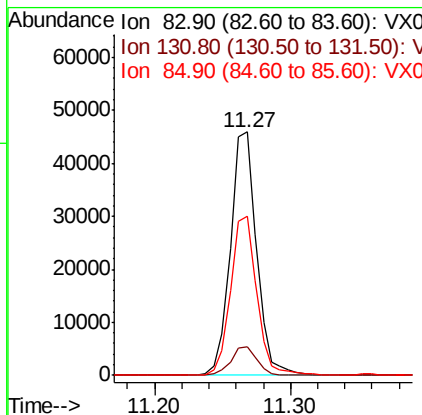
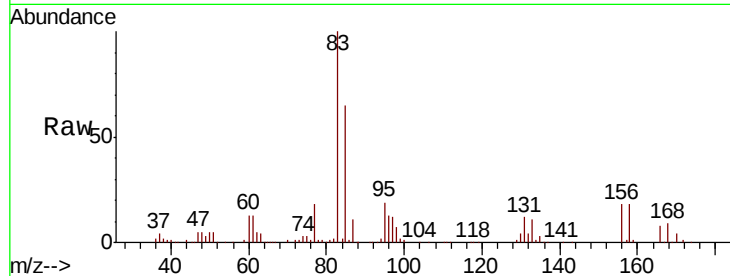




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.020 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

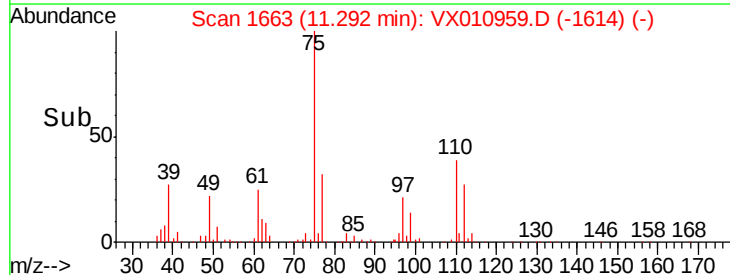
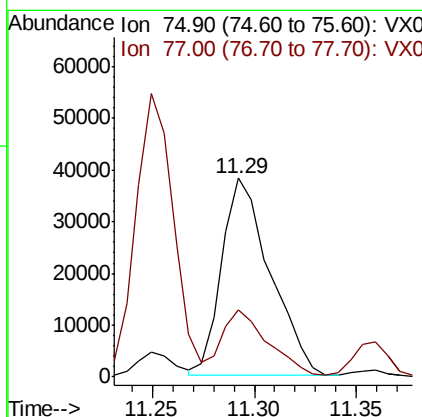
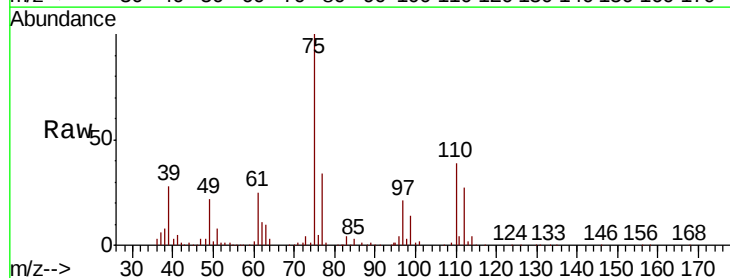
Instrument :
 MSVOA_X
 ClientSampleId :

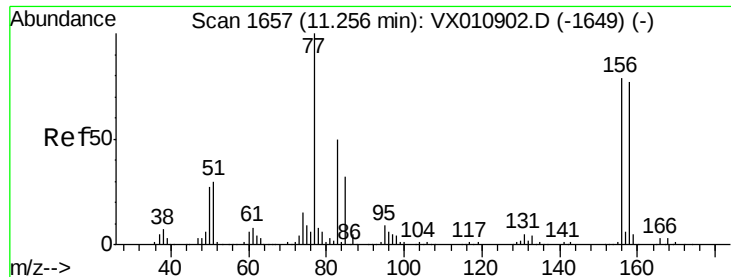
Tot Ion	83	Resp	61399
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.4
85	65.6	32.3	96.9



#76
 1,2,3-Trichloropropane
 Concen: 23.771 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion	75	Resp	62623
Ion Ratio	Lower	Upper	
75	100		
77	33.0	21.3	64.0





#77

Bromobenzene

Concen: 18.861 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

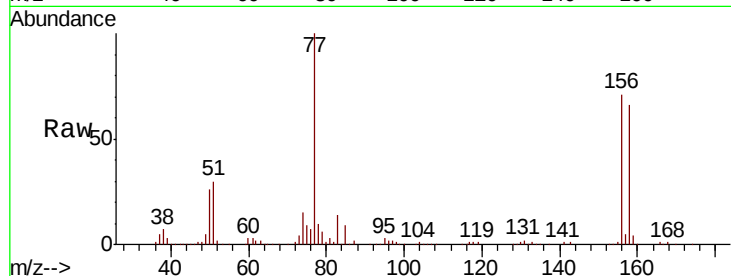
Tot Ion:156 Resp: 51319

Ion Ratio Lower Upper

156 100

77 138.1 68.7 206.1

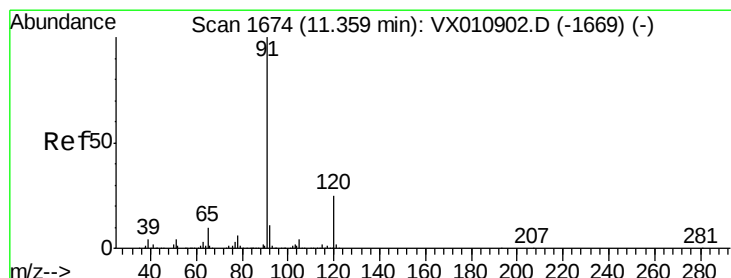
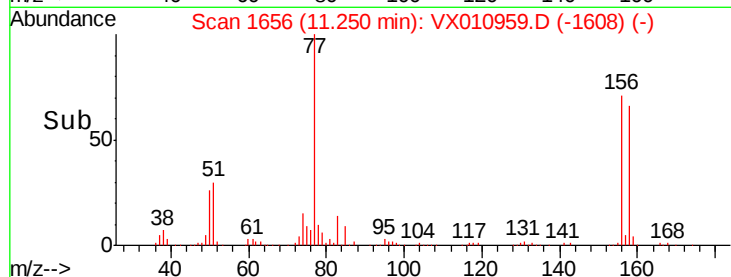
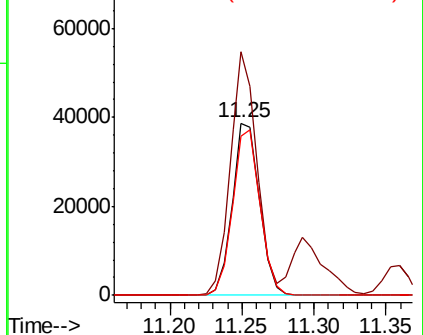
158 97.0 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.184 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010959.D

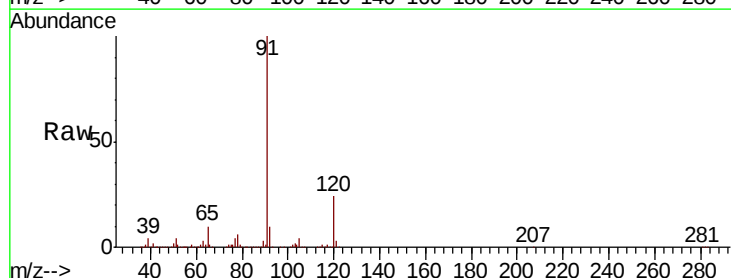
Acq: 18 Jul 2019 15:22

Tgt Ion: 91 Resp: 209090

Ion Ratio Lower Upper

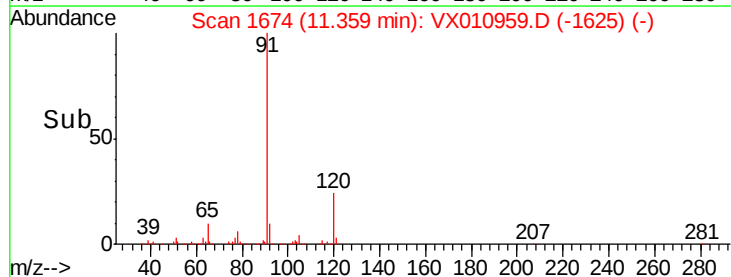
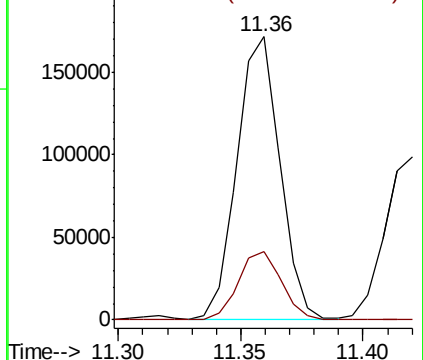
91 100

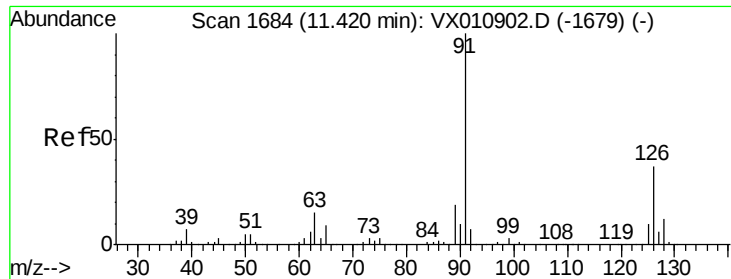
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.056 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

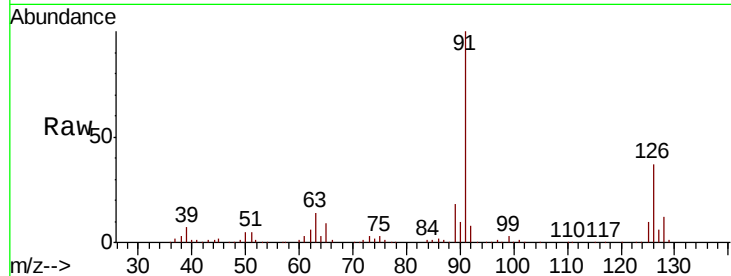
ClientSampleId :

Tot Ion: 91 Resp: 124766

Ion Ratio Lower Upper

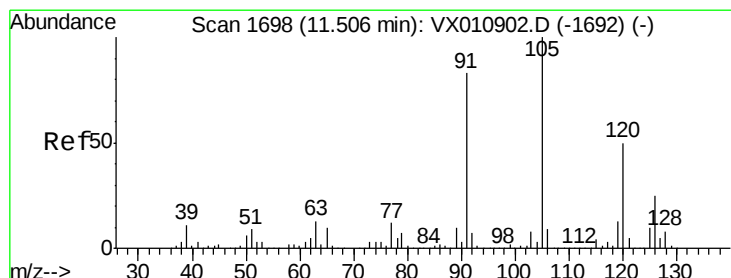
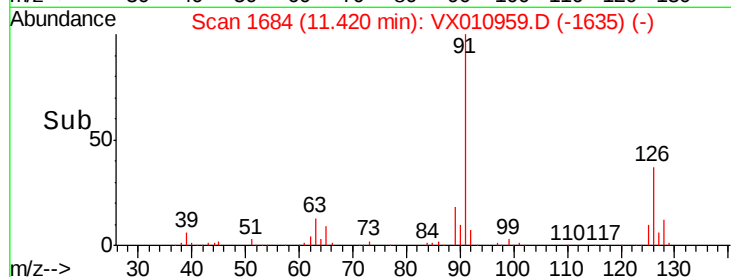
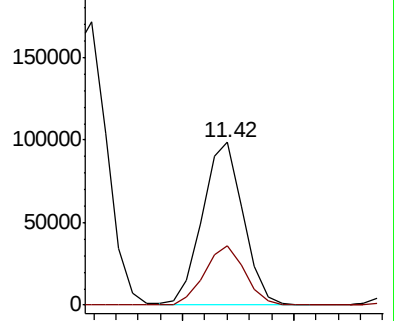
91 100

126 36.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.088 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010959.D

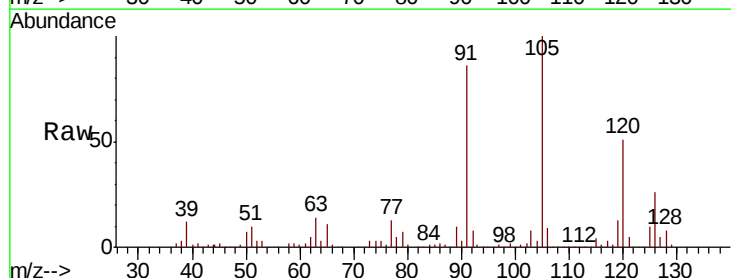
Acq: 18 Jul 2019 15:22

Tgt Ion: 105 Resp: 157331

Ion Ratio Lower Upper

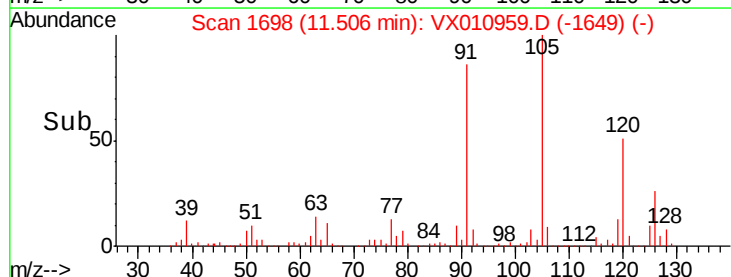
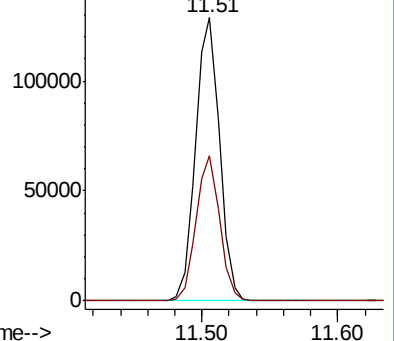
105 100

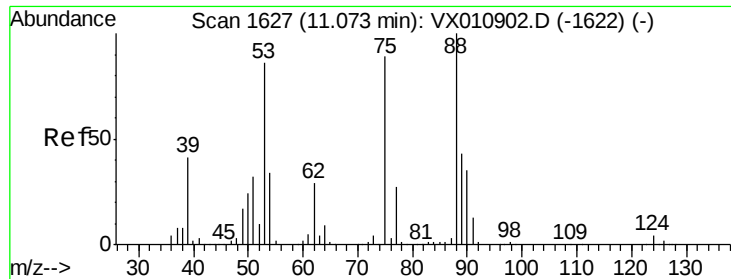
120 50.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

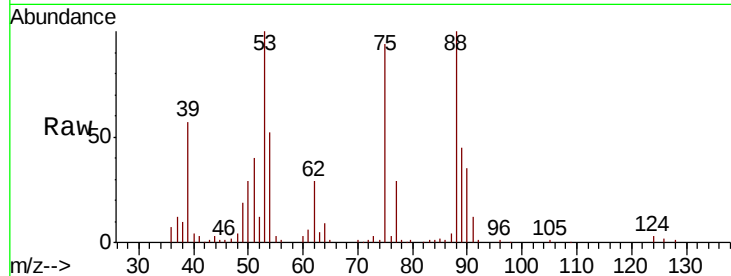




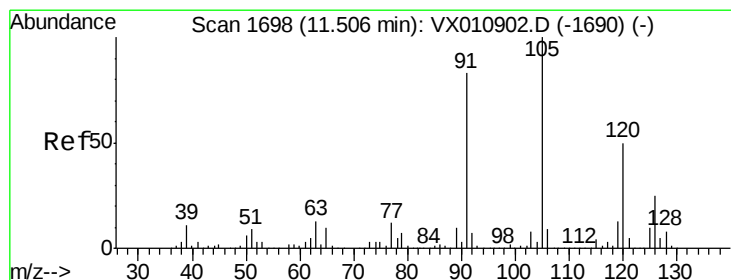
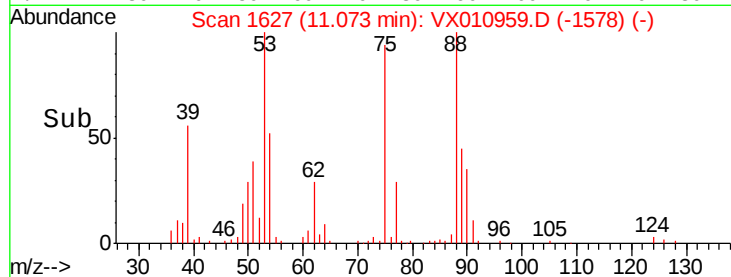
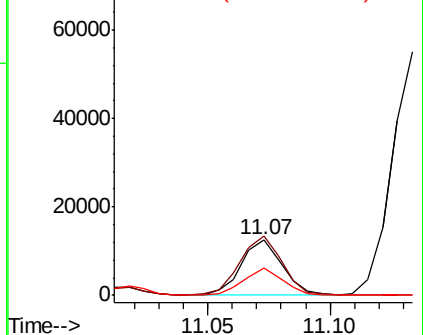
#81
trans-1,4-Dichloro-2-butene
Concen: 16.923 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 14622
Ion Ratio Lower Upper
75 100
53 111.9 76.7 115.1
89 47.6 38.5 57.7

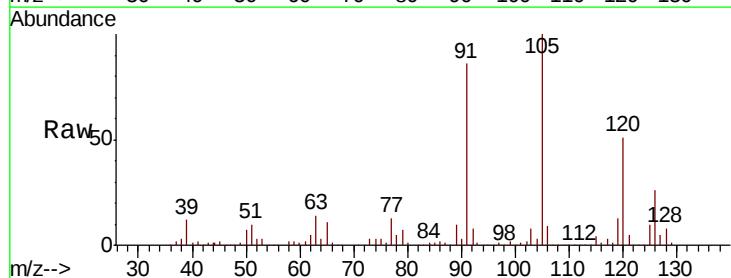


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

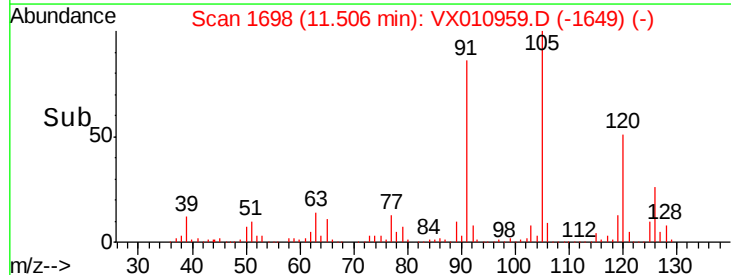
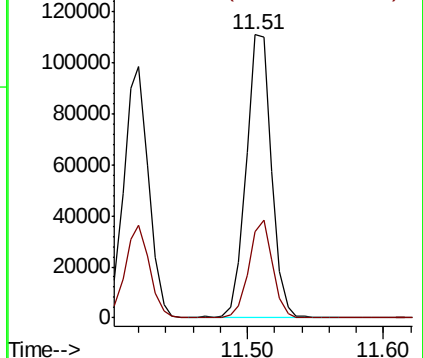


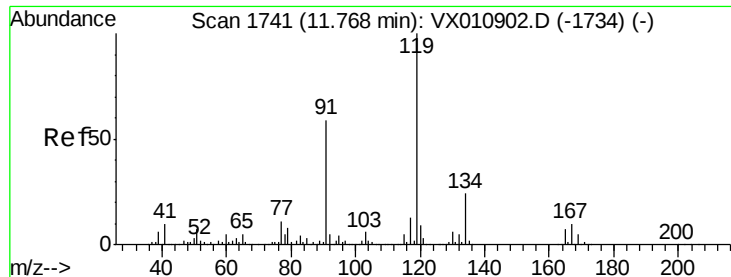
#82
4-Chlorotoluene
Concen: 18.913 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 91 Resp: 144125
Ion Ratio Lower Upper
91 100
126 32.5 15.9 47.7



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

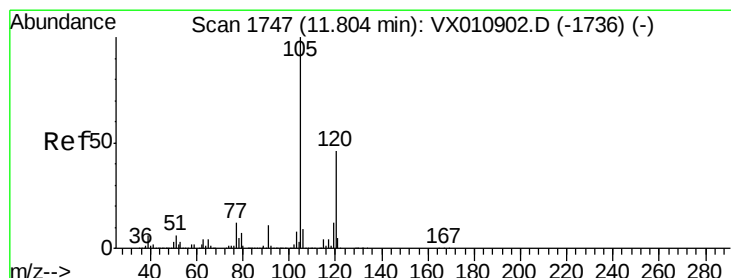
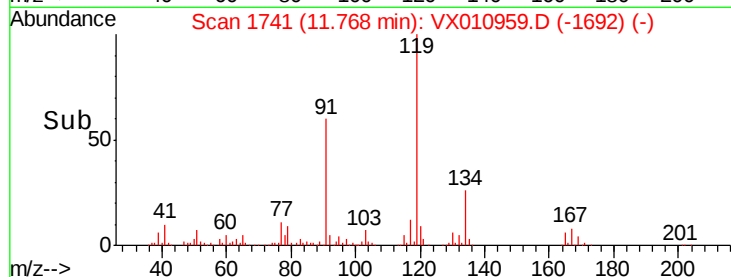
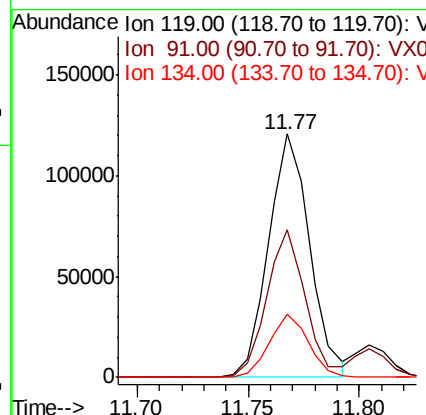
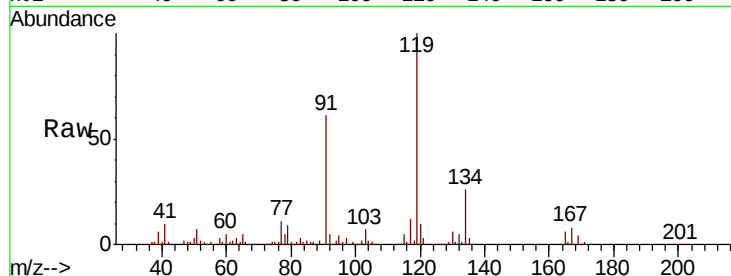




#83
tert-Butylbenzene
Concen: 19.083 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

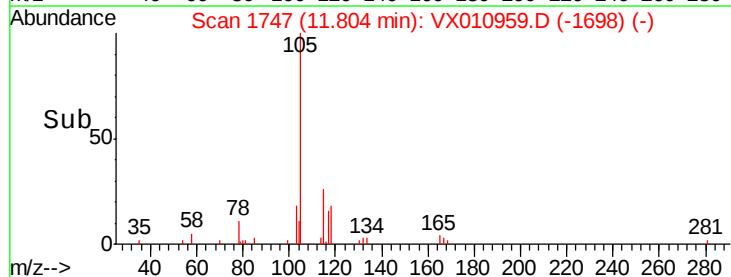
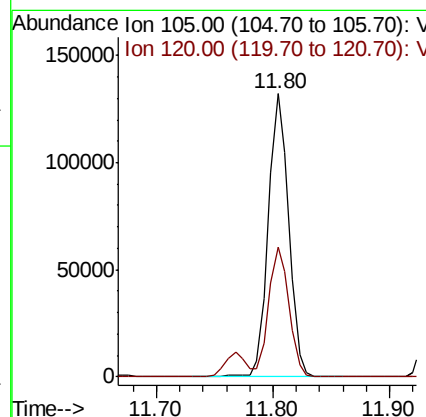
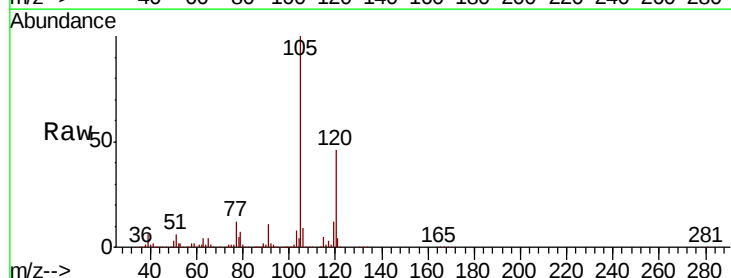
Instrument :
MSVOA_X
ClientSampleId :

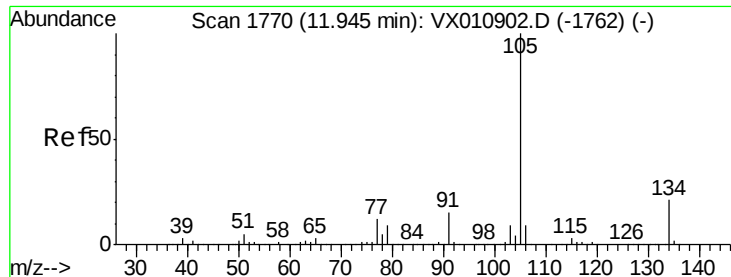
Tot Ion:119 Resp: 154502
Ion Ratio Lower Upper
119 100
91 57.2 28.6 85.8
134 24.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 19.356 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion:105 Resp: 160807
Ion Ratio Lower Upper
105 100
120 45.1 22.9 68.5





#85

sec-Butylbenzene

Concen: 19.526 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

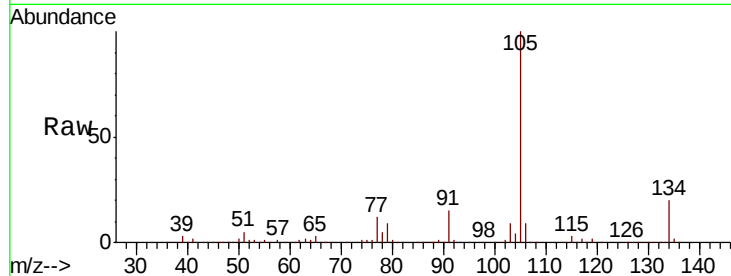
ClientSampleId :

Tot Ion:105 Resp: 185236

Ion Ratio Lower Upper

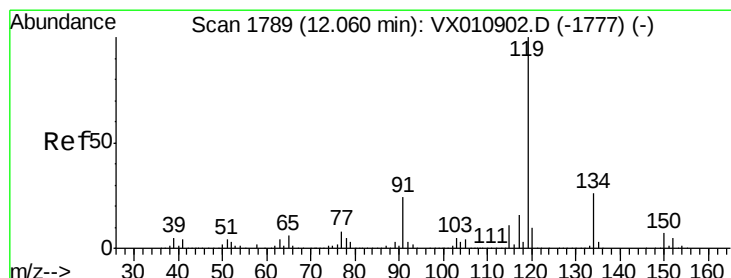
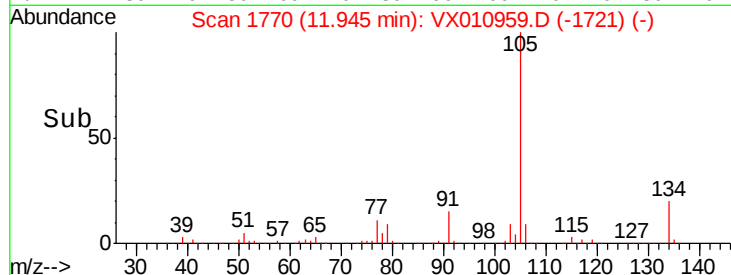
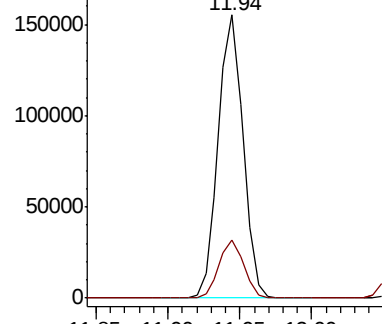
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.302 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

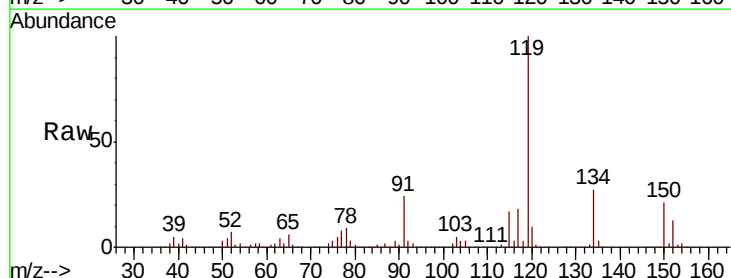
Tgt Ion:119 Resp: 169283

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

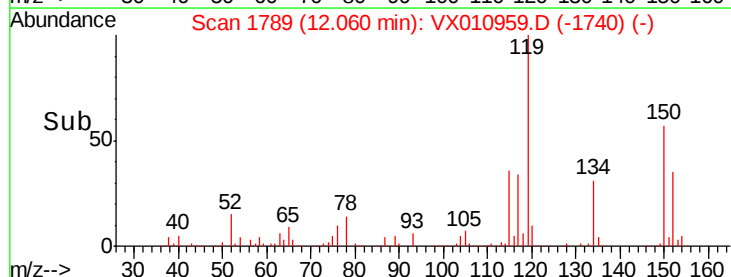
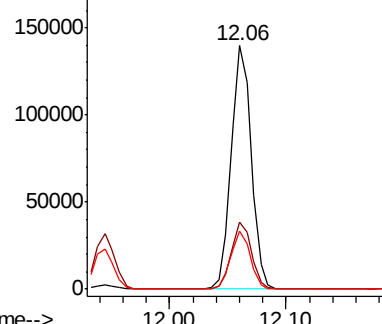
91 23.6 11.8 35.4

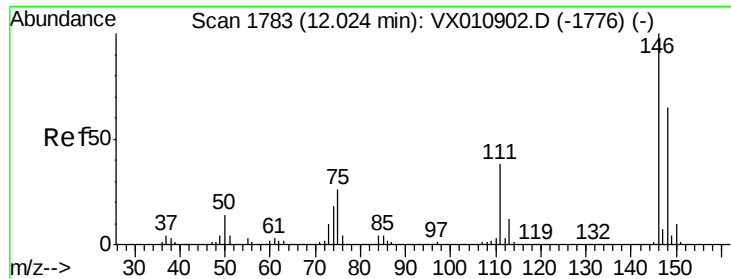


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.028 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

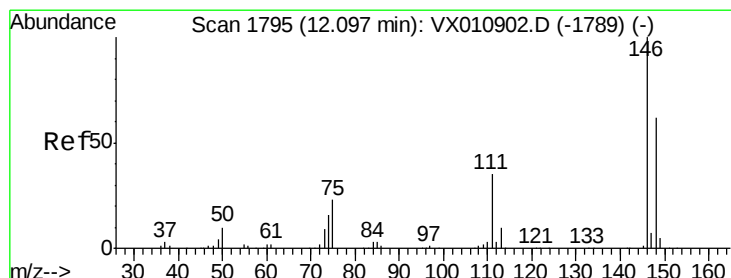
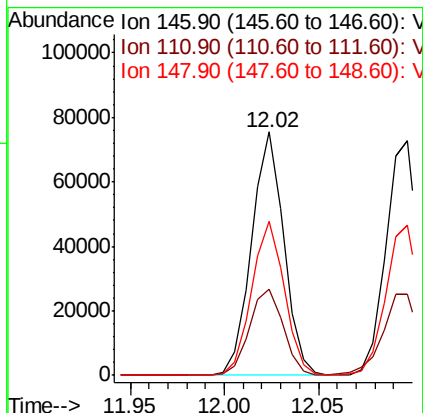
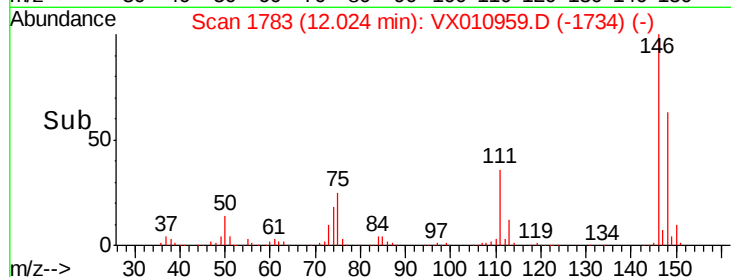
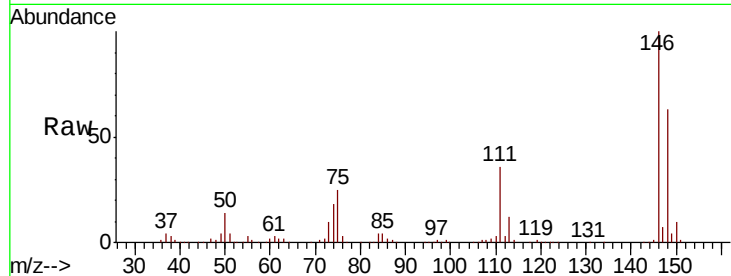
Tot Ion:146 Resp: 89849

Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.9

148 64.0 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 18.725 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

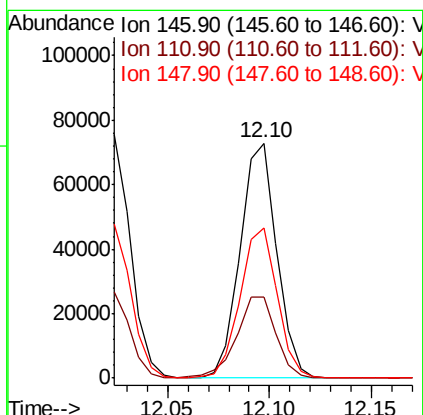
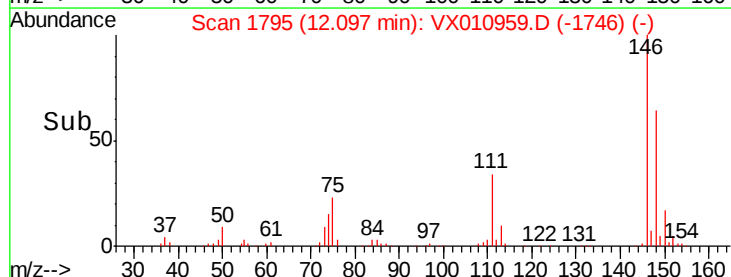
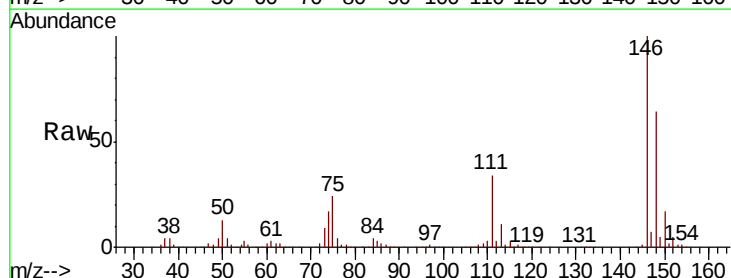
Tgt Ion:146 Resp: 90682

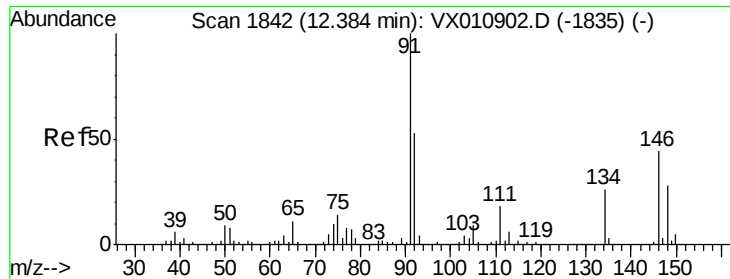
Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.8

148 64.7 31.6 94.7

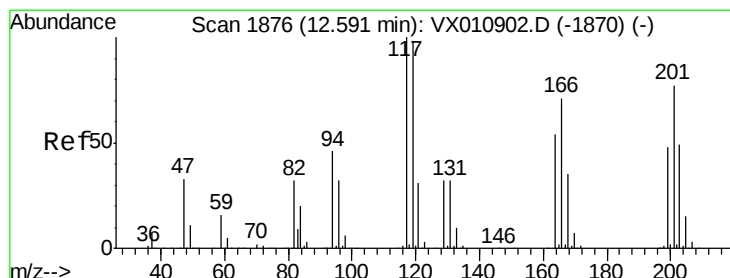
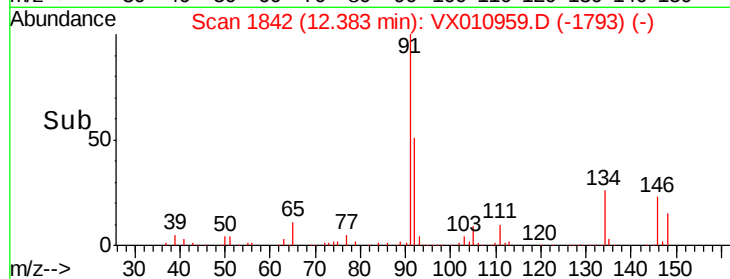
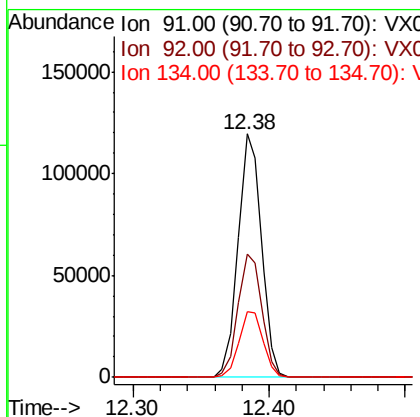
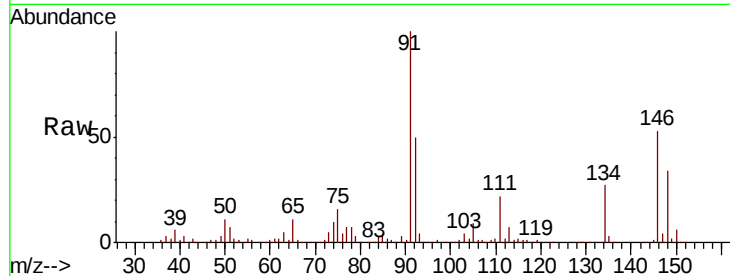




#89
n-Butylbenzene
Concen: 19.119 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

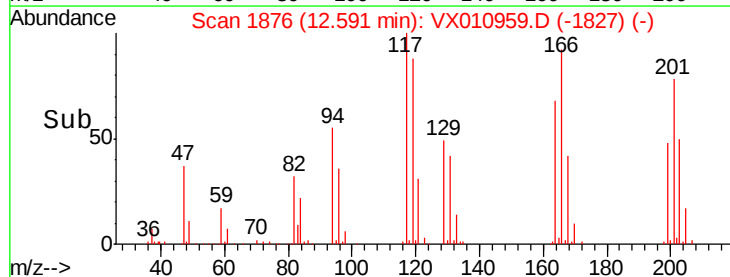
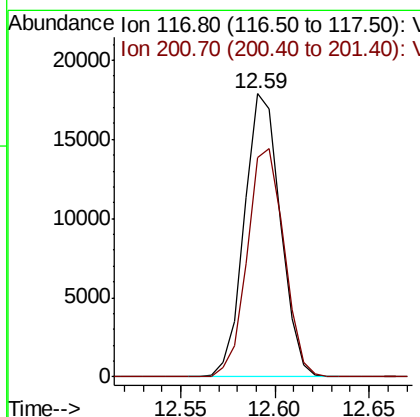
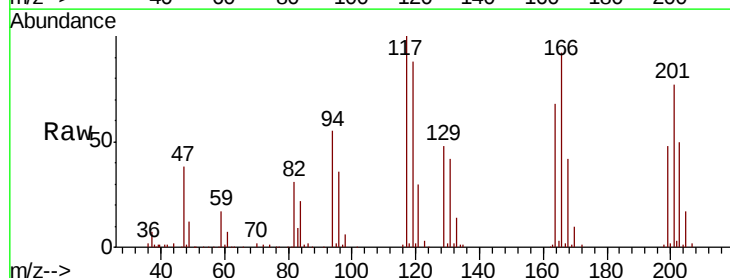
Instrument :
MSVOA_X
ClientSampleId :

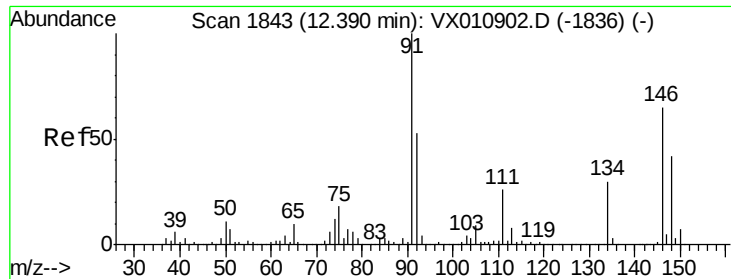
Tot Ion: 91 Resp: 143455
Ion Ratio Lower Upper
91 100
92 51.8 26.2 78.5
134 27.5 13.8 41.3



#90
Hexachloroethane
Concen: 17.156 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010959.D
Acq: 18 Jul 2019 15:22

Tgt Ion: 117 Resp: 23733
Ion Ratio Lower Upper
117 100
201 82.3 43.3 129.8

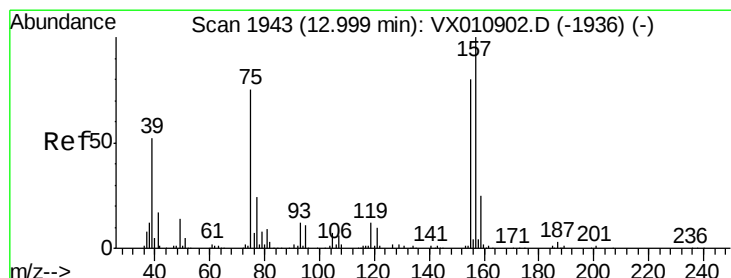
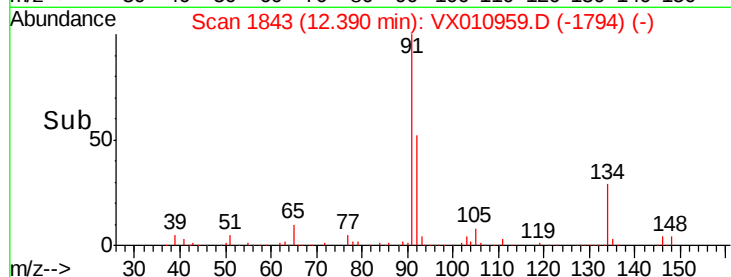
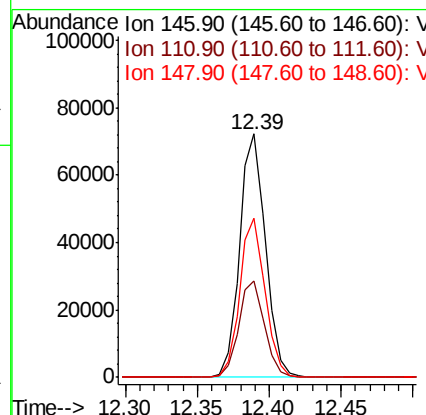
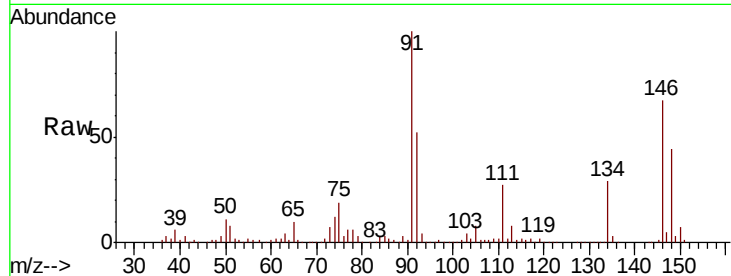




#91
 1,2-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

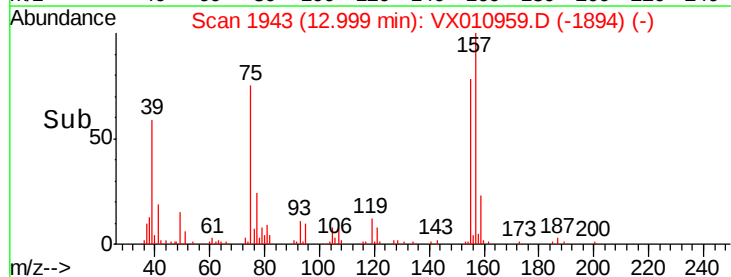
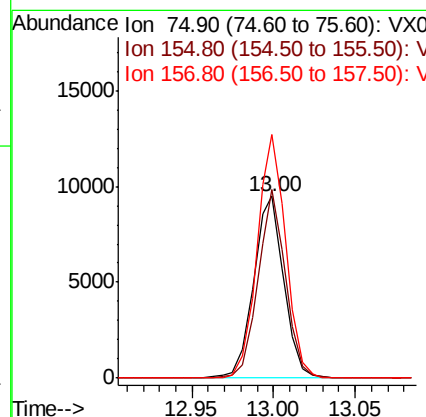
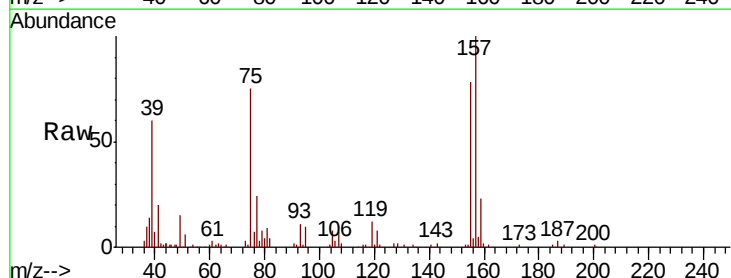
Instrument :
 MSVOA_X
 ClientSampleId :

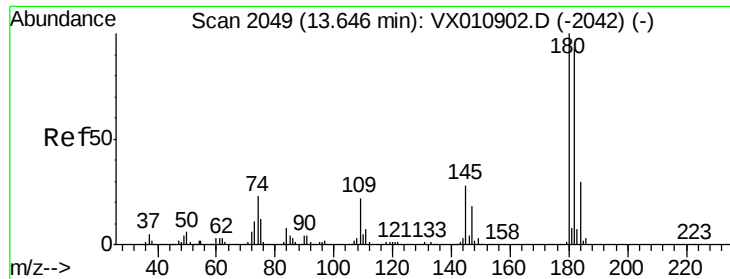
Tot Ion:146 Resp: 90249
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 64.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.035 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion: 75 Resp: 12170
 Ion Ratio Lower Upper
 75 100
 155 93.9 48.7 146.1
 157 126.1 62.5 187.6

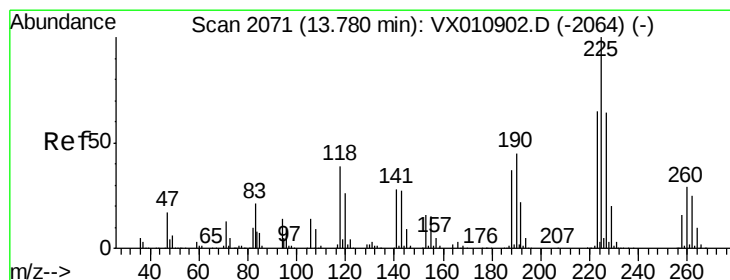
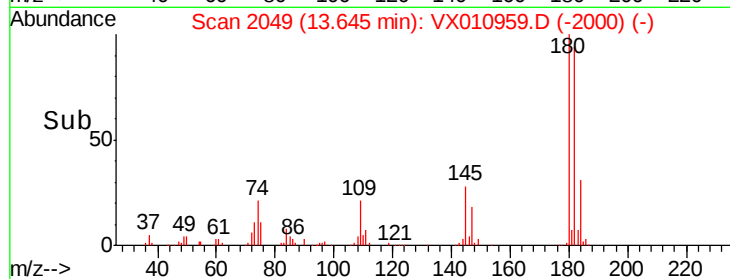
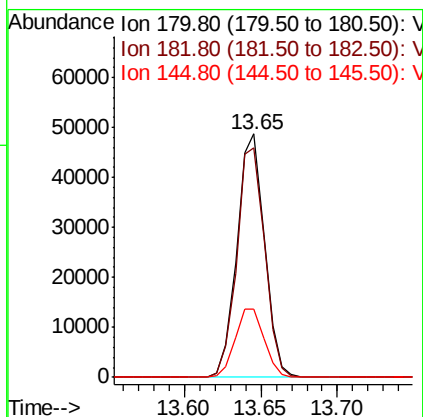
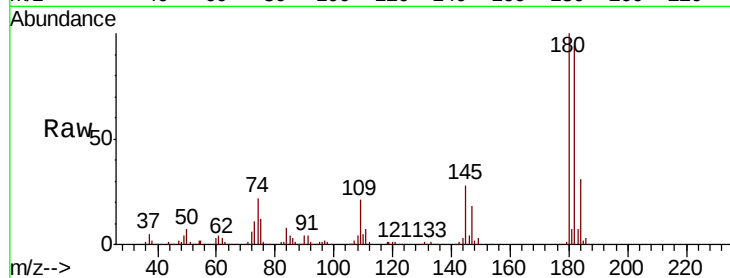




#93
 1,2,4-Trichlorobenzene
 Concen: 19.143 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

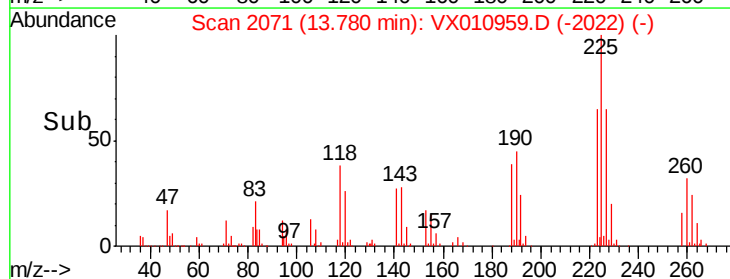
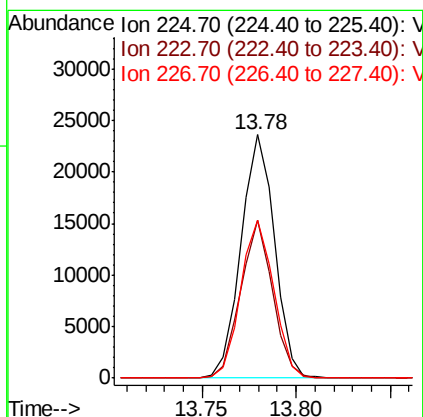
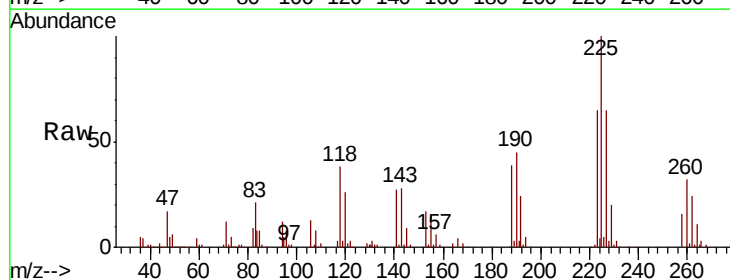
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 60713
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.1 141.3
 145 29.7 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 18.526 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010959.D
 Acq: 18 Jul 2019 15:22

Tgt Ion:225 Resp: 29117
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.9
 227 64.2 32.5 97.4





#95

Naphthalene

Concen: 19.824 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

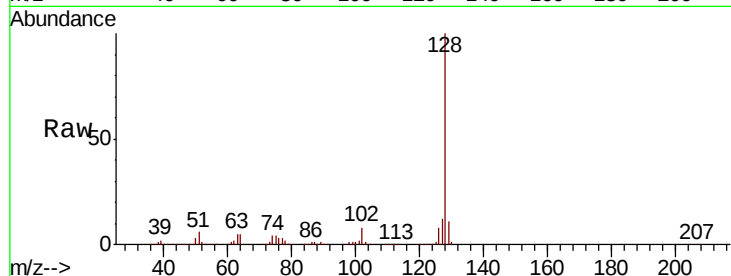
Tot Ion:128 Resp: 185659

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 11.2 8.9 13.3

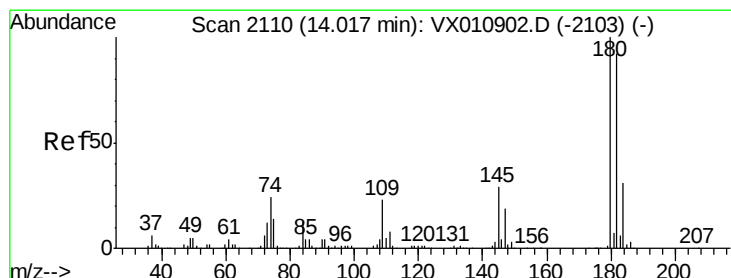
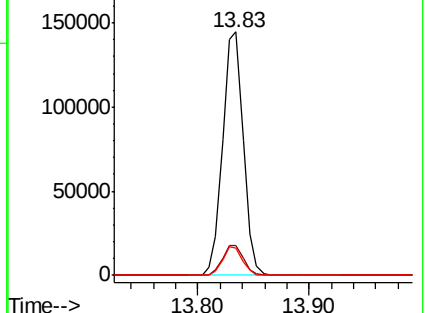
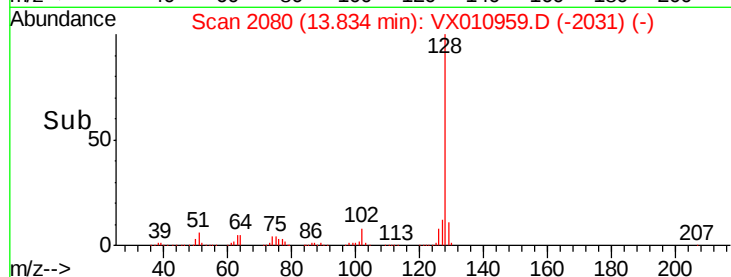


Abundance

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: 19.369 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010959.D

Acq: 18 Jul 2019 15:22

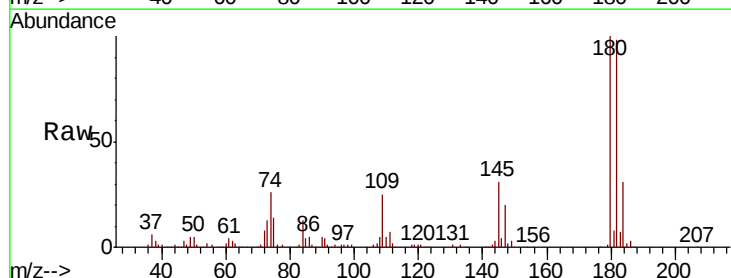
Tgt Ion:180 Resp: 61122

Ion Ratio Lower Upper

180 100

182 97.0 47.4 142.3

145 31.5 15.1 45.3



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

