

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009913.D
 Acq On : 28 May 2019 14:36
 Operator : JC/SP
 Sample : VX0528WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Quant Time: May 29 04:10:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122886	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	117479	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.49	113	84044	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	349619	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	125887	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	48049	22.435	ug/l	99
3) Chloromethane	1.32	50	58559	20.339	ug/l	97
4) Vinyl Chloride	1.41	62	52156	20.095	ug/l	98
5) Bromomethane	1.64	94	31176	19.825	ug/l	99
6) Chloroethane	1.72	64	30836	19.300	ug/l	99
7) Trichlorofluoromethane	1.93	101	59048	20.588	ug/l	98
8) Diethyl Ether	2.19	74	25946	19.251	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35662	20.595	ug/l	98
10) Methyl Iodide	2.51	142	34846	19.394	ug/l	99
11) Tert butyl alcohol	3.04	59	61003	100.125	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35303	19.890	ug/l	98
13) Acrolein	2.29	56	38756	103.264	ug/l	97
14) Allyl chloride	2.73	41	84798	19.657	ug/l	99
15) Acrylonitrile	3.14	53	136727	93.137	ug/l	99
16) Acetone	2.44	43	134439	93.986	ug/l	99
17) Carbon Disulfide	2.57	76	106316	20.014	ug/l	99
18) Methyl Acetate	2.77	43	61558	18.495	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	129758	19.364	ug/l	98
20) Methylene Chloride	2.85	84	42233	19.280	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	38134	19.309	ug/l	97
22) Diisopropyl ether	3.85	45	160626	19.569	ug/l	91
23) Vinyl Acetate	3.81	43	724365	98.236	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77840	19.569	ug/l	100
25) 2-Butanone	4.67	43	211521	94.914	ug/l	99
26) 2,2-Dichloropropane	4.57	77	58852	19.558	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	42934	18.833	ug/l	100
28) Bromochloromethane	5.01	49	37290	18.065	ug/l	96
29) Tetrahydrofuran	5.13	42	134718	94.269	ug/l	99
30) Chloroform	5.21	83	70578	19.674	ug/l	96
31) Cyclohexane	5.57	56	77959	20.693	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	58444	20.004	ug/l	99
36) 1,1-Dichloropropene	5.79	75	54540	19.510	ug/l	99
37) Ethyl Acetate	4.83	43	77875	19.993	ug/l	100
38) Carbon Tetrachloride	5.78	117	48205	19.955	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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 ClientSampleId :
 VX0528WBS01

Quant Time: May 29 04:10:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.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	71120	21.448	ug/l	99
40) Benzene	6.14	78	167826	20.238	ug/l	99
41) Methacrylonitrile	5.04	41	42537	18.689	ug/l	96
42) 1,2-Dichloroethane	6.19	62	60671	19.790	ug/l	99
43) Isopropyl Acetate	6.44	43	121602	19.348	ug/l	99
44) Trichloroethene	7.21	130	39529	19.624	ug/l	96
45) 1,2-Dichloropropane	7.51	63	47328	19.826	ug/l	97
46) Dibromomethane	7.66	93	27008	19.221	ug/l	99
47) Bromodichloromethane	7.90	83	54246	20.301	ug/l	98
48) Methyl methacrylate	7.77	41	61755	19.849	ug/l	100
49) 1,4-Dioxane	7.74	88	23253	401.795	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	402898	98.545	ug/l	99
52) Toluene	8.78	92	102601	20.378	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61848	19.300	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68707	19.678	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40161	19.818	ug/l	99
56) Ethyl methacrylate	9.18	69	72264	20.030	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71977	19.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	179175	94.709	ug/l	99
59) 2-Hexanone	9.49	43	316687	100.609	ug/l	100
60) Dibromochloromethane	9.58	129	39090	19.609	ug/l	100
61) 1,2-Dibromoethane	9.67	107	40818	19.606	ug/l	99
64) Tetrachloroethene	9.34	164	36623	21.002	ug/l	99
65) Chlorobenzene	10.13	112	105131	20.115	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37016	20.420	ug/l	99
67) Ethyl Benzene	10.25	91	196190	20.906	ug/l	99
68) m/p-Xylenes	10.35	106	142596	41.131	ug/l	100
69) o-Xylene	10.69	106	68876	20.715	ug/l	100
70) Styrene	10.71	104	120071	20.595	ug/l	99
71) Bromoform	10.85	173	29483	19.897	ug/l #	97
73) Isopropylbenzene	11.02	105	187042	20.629	ug/l	99
74) N-amyl acetate	10.90	43	109976	20.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66128	19.550	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	77137	26.250	ug/l	83
77) Bromobenzene	11.25	156	45048	19.496	ug/l	100
78) n-propylbenzene	11.36	91	216208	20.688	ug/l	100
79) 2-Chlorotoluene	11.42	91	128456	20.118	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	156773	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21936	18.469	ug/l	97
82) 4-Chlorotoluene	11.51	91	146901	19.763	ug/l	99
83) tert-Butylbenzene	11.77	119	149766	20.494	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	159757	20.595	ug/l	100
85) sec-Butylbenzene	11.94	105	181920	20.925	ug/l	100
86) p-Isopropyltoluene	12.06	119	165104	21.114	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80540	19.578	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80882	19.279	ug/l	99
89) n-Butylbenzene	12.38	91	153177	20.843	ug/l	99
90) Hexachloroethane	12.60	117	27166	20.243	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	80604	19.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15176	19.060	ug/l	99

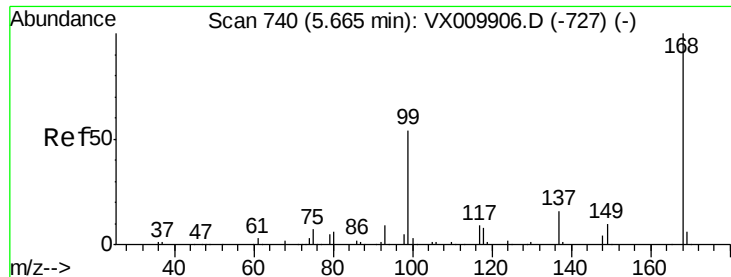
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
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Acq On : 28 May 2019 14:36
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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58786	20.283	ug/l	99
94) Hexachlorobutadiene	13.78	225	30268	20.821	ug/l	100
95) Naphthalene	13.83	128	180346	19.995	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58245	20.076	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

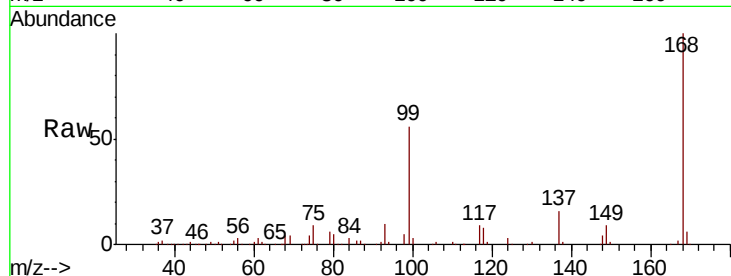
VX0528WBS01

Tot Ion:168 Resp: 175261

Ion Ratio Lower Upper

168 100

99 55.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX009906.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX009913.D (-691) (-)

5.66

60000

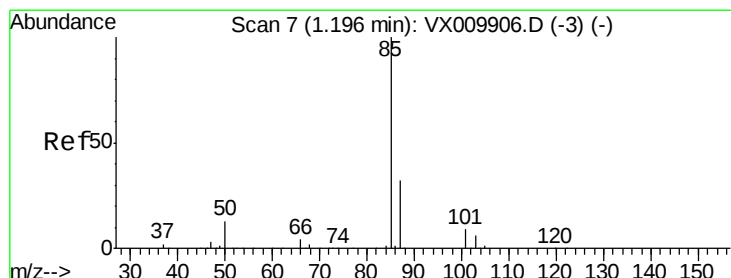
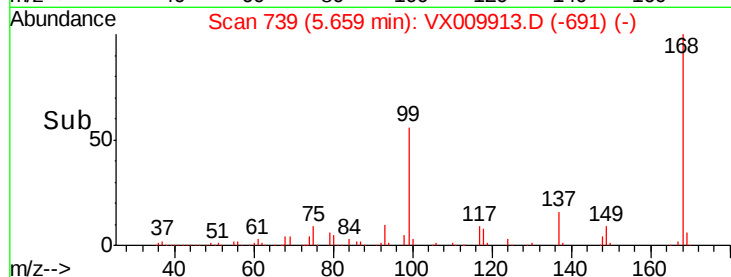
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.435 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009913.D

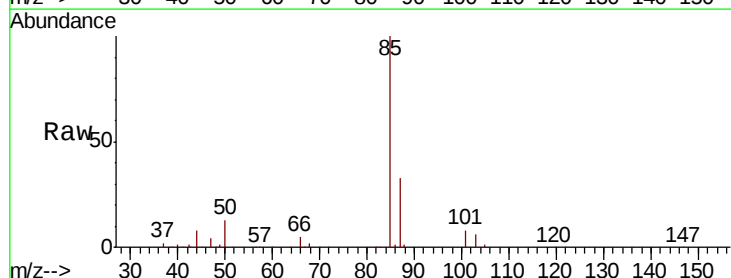
Acq: 28 May 2019 14:36

Tgt Ion: 85 Resp: 48049

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX009906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX009913.D (-1) (-)

1.20

50000

40000

30000

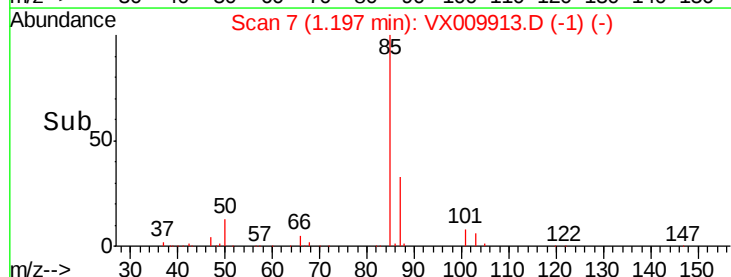
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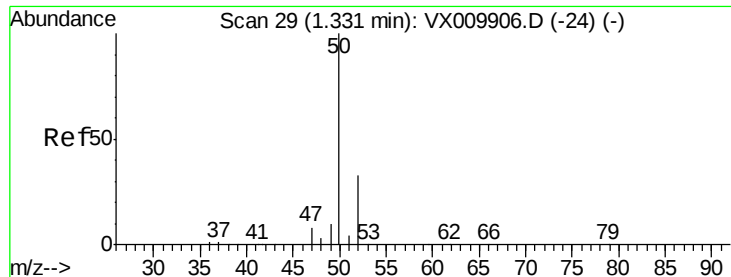
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.339 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

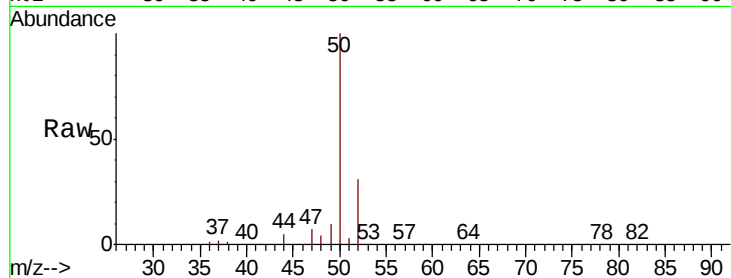
VX0528WBS01

Tot Ion: 50 Resp: 58559

Ion Ratio Lower Upper

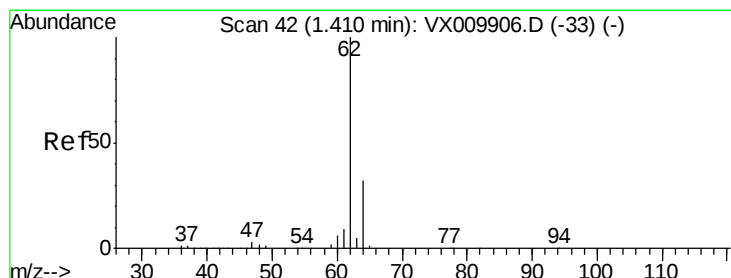
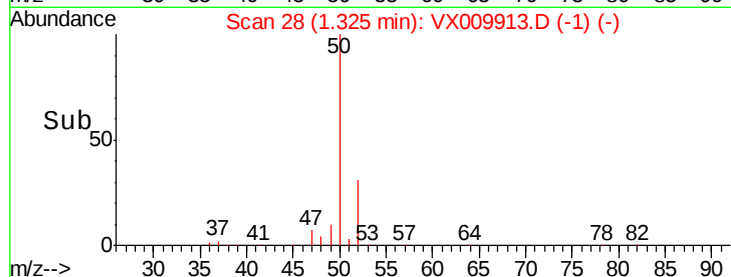
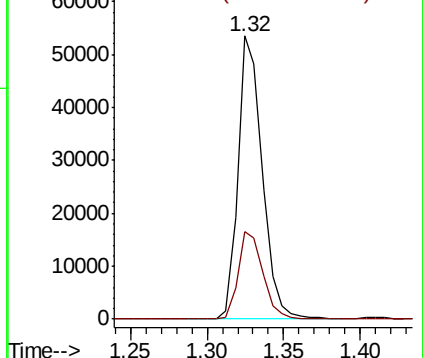
50 100

52 30.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.095 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009913.D

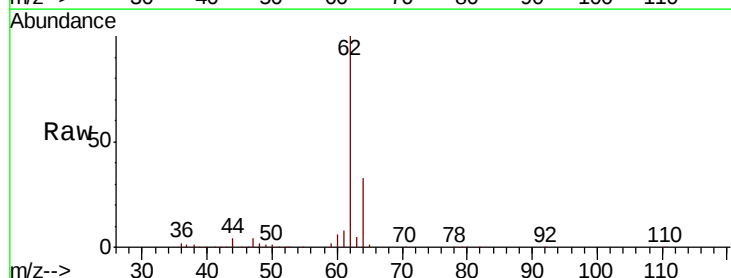
Acq: 28 May 2019 14:36

Tgt Ion: 62 Resp: 52156

Ion Ratio Lower Upper

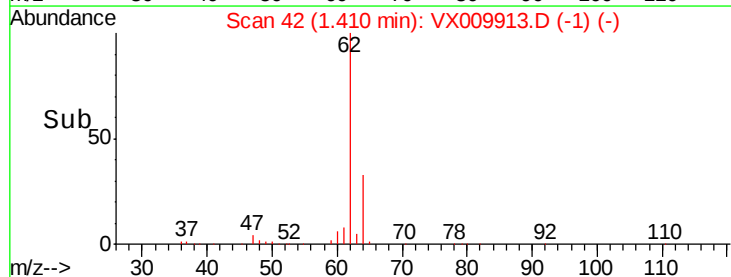
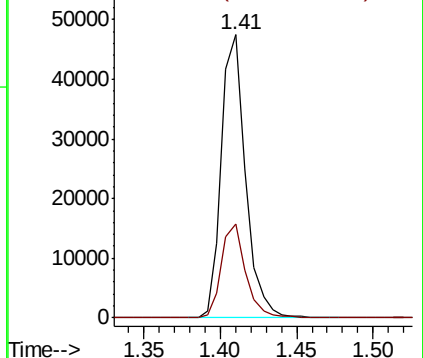
62 100

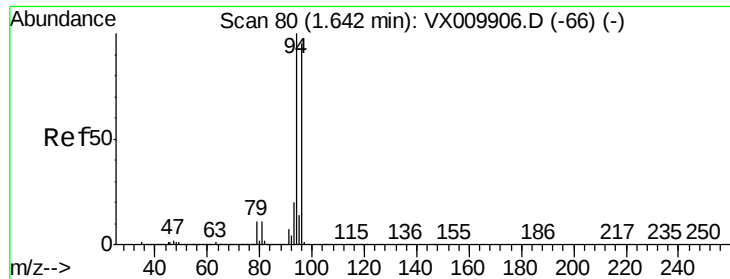
64 32.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.825 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

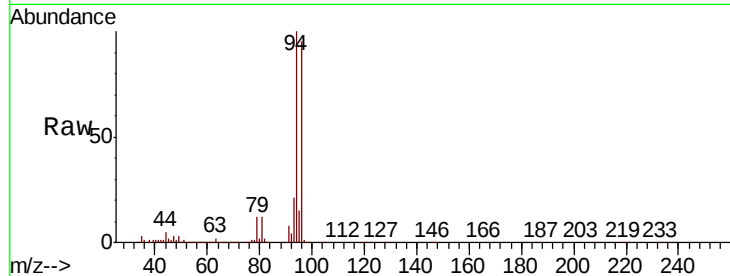
VX0528WBS01

Tot Ion: 94 Resp: 31176

Ion Ratio Lower Upper

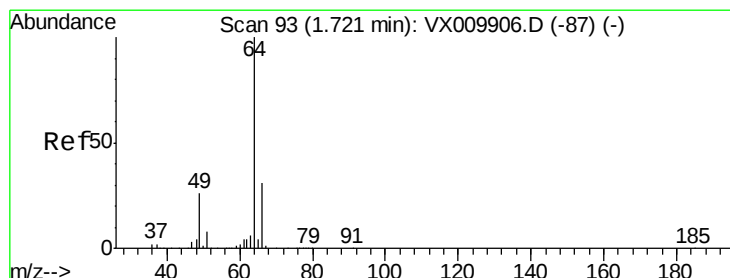
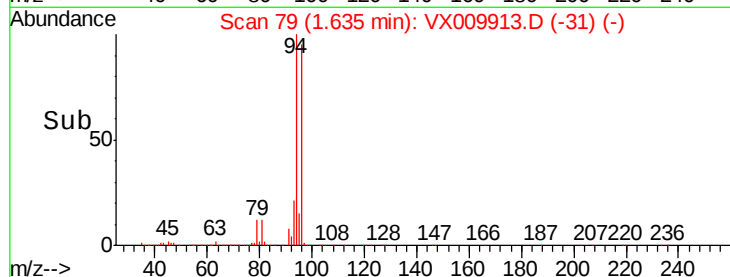
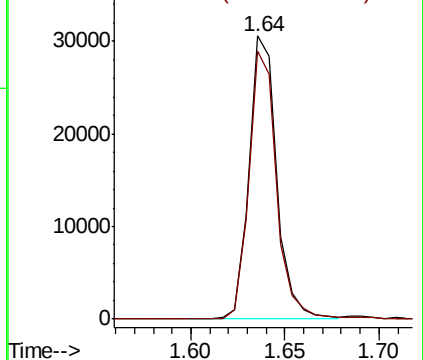
94 100

96 94.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.300 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009913.D

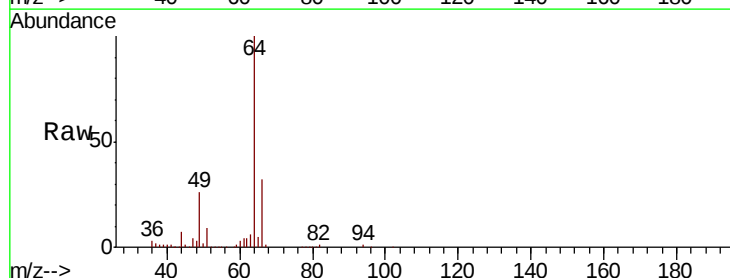
Acq: 28 May 2019 14:36

Tgt Ion: 64 Resp: 30836

Ion Ratio Lower Upper

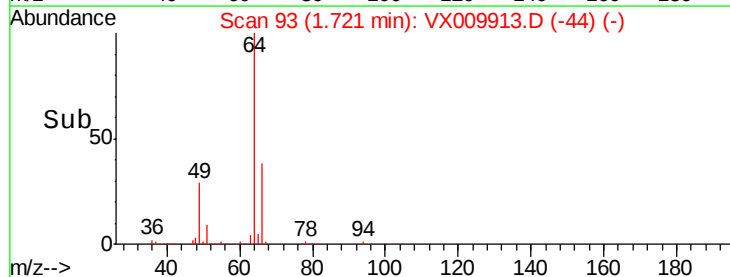
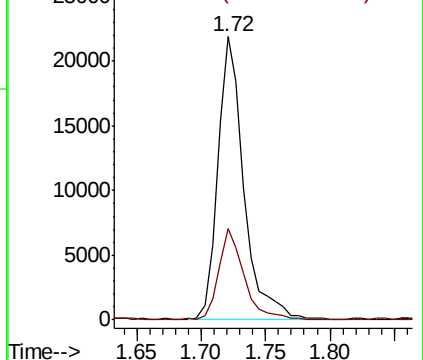
64 100

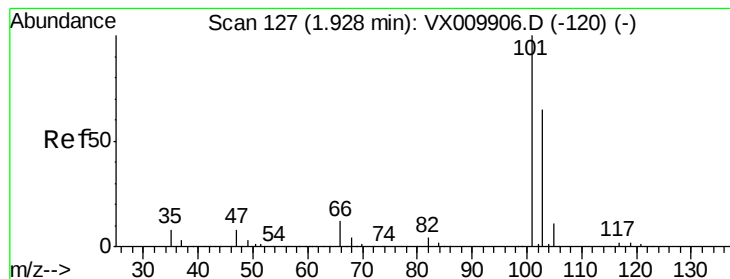
66 32.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



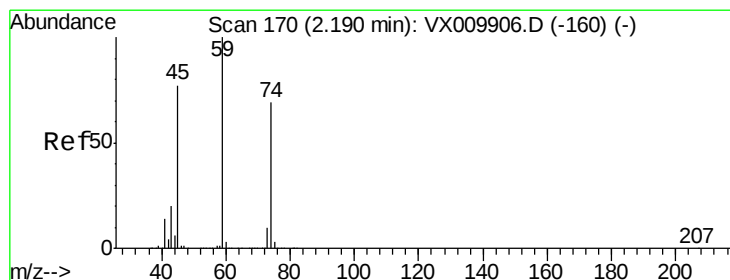
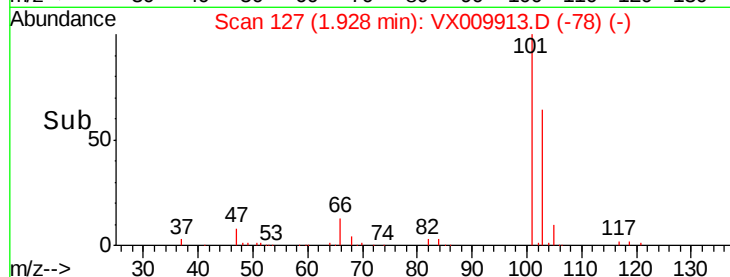
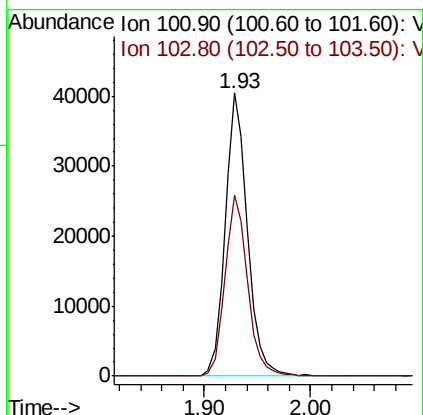
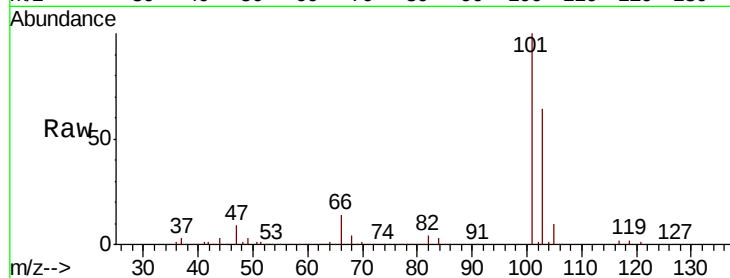


#7

Trichlorofluoromethane
 Concen: 20.588 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
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 VX0528WBS01

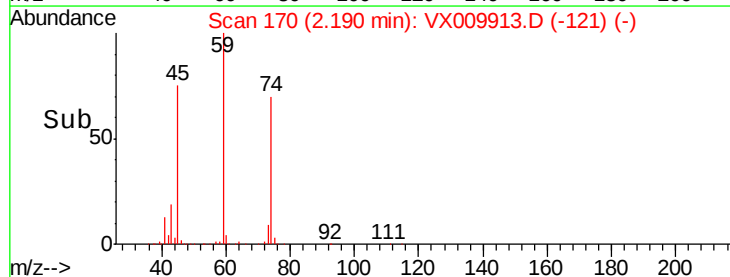
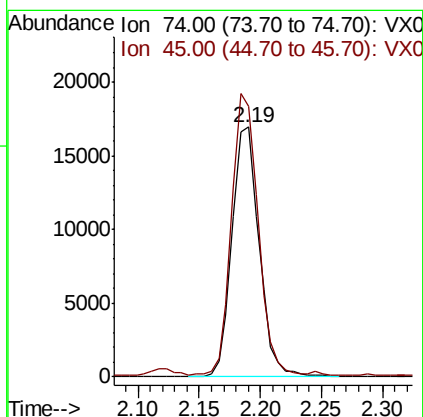
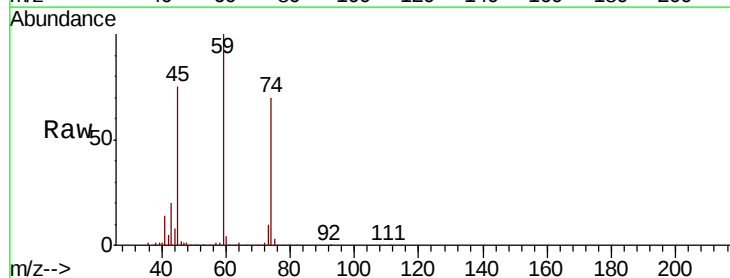
Tot Ion:101 Resp: 59048
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.2 78.4

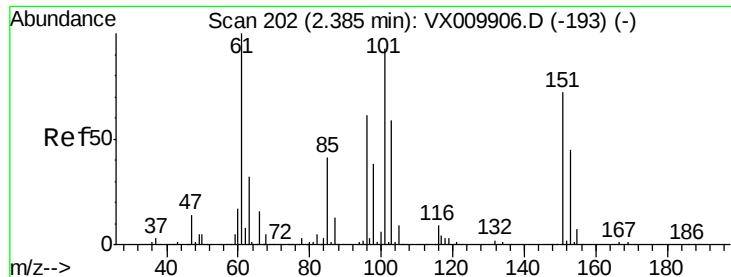


#8

Diethyl Ether
 Concen: 19.251 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 74 Resp: 25946
 Ion Ratio Lower Upper
 74 100
 45 108.8 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

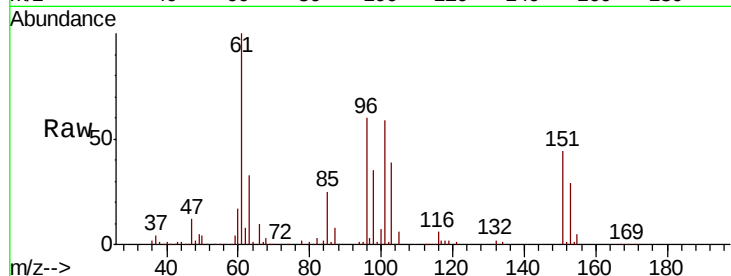
Tot Ion:101 Resp: 35662

Ion Ratio Lower Upper

101 100

85 42.6 35.2 52.8

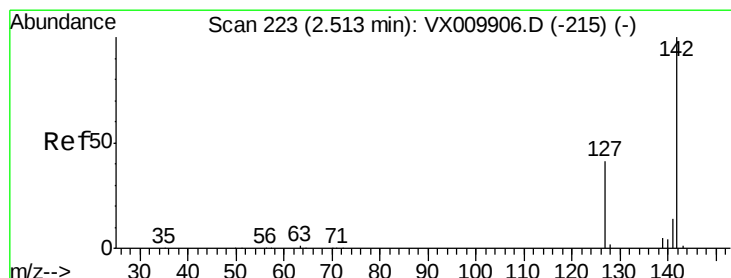
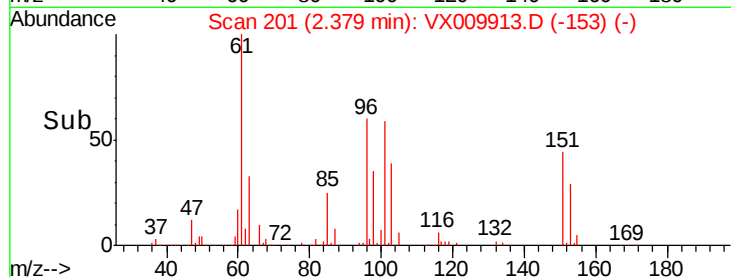
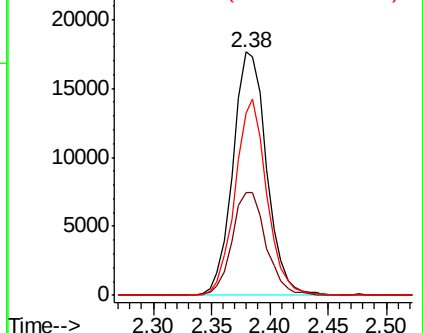
151 75.7 61.9 92.9



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: 19.394 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

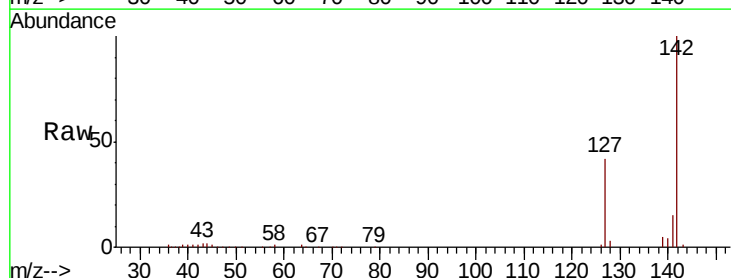
Tgt Ion:142 Resp: 34846

Ion Ratio Lower Upper

142 100

127 42.2 33.0 49.4

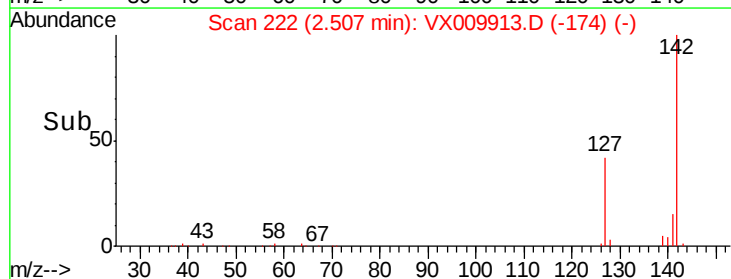
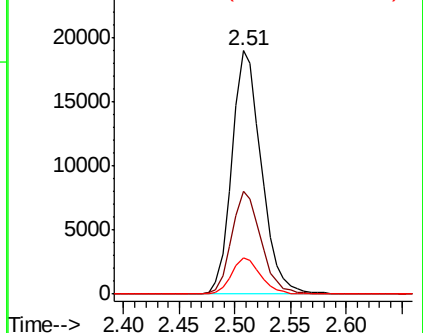
141 14.6 11.4 17.0

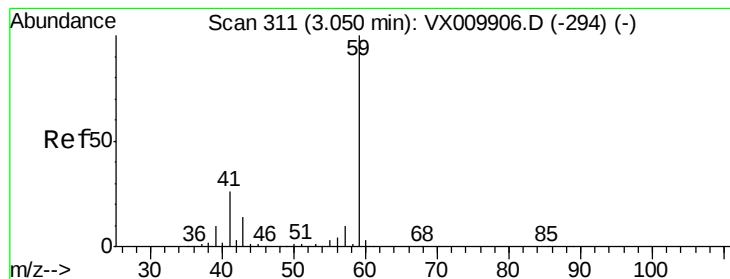


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



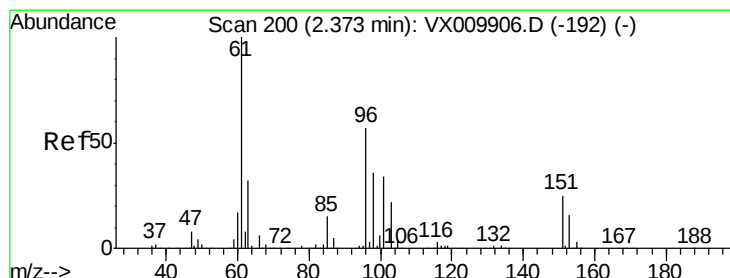
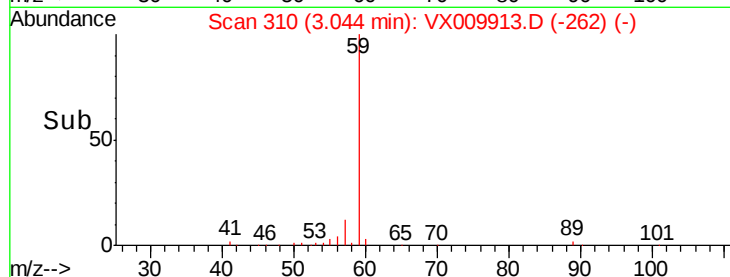
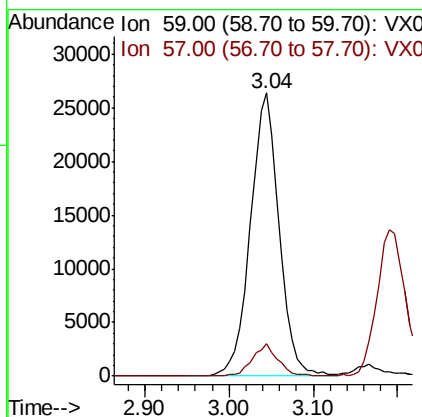
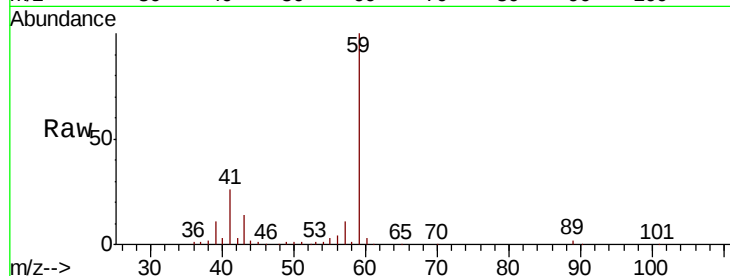


#11

Tert butyl alcohol
 Concen: 100.125 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

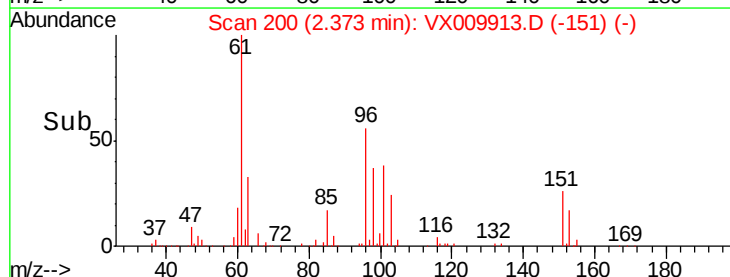
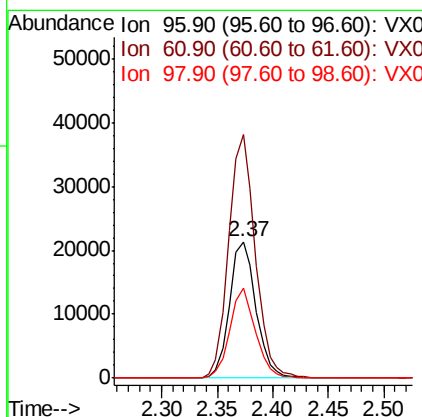
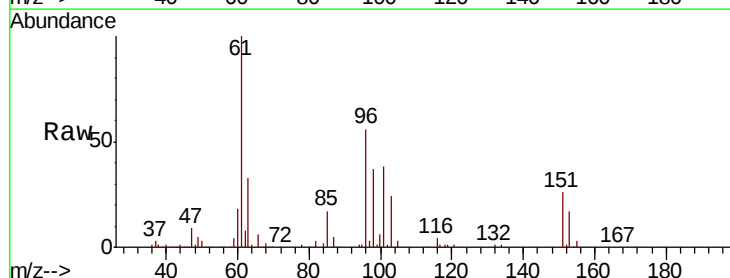
Tot Ion: 59 Resp: 61003
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

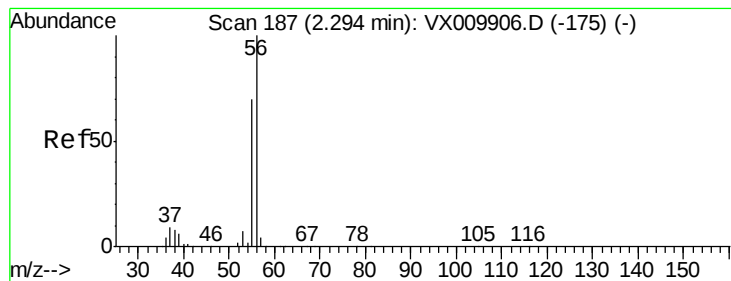


#12

1,1-Dichloroethene
 Concen: 19.890 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 96 Resp: 35303
 Ion Ratio Lower Upper
 96 100
 61 178.1 140.7 211.1
 98 66.2 50.1 75.1





#13

Acrolein

Concen: 103.264 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

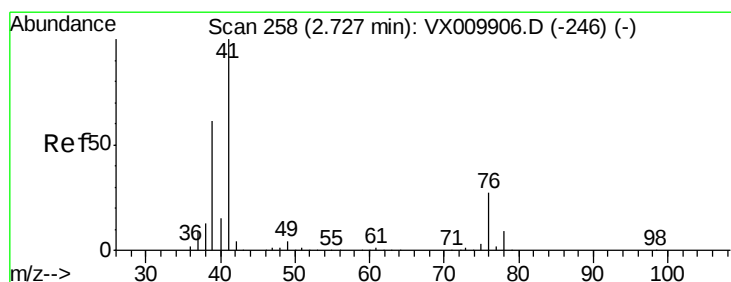
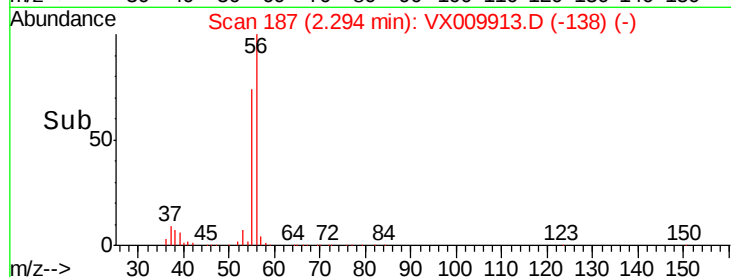
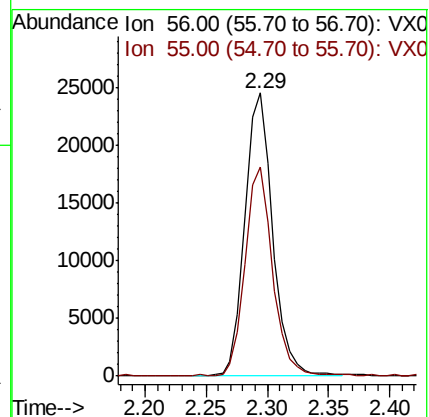
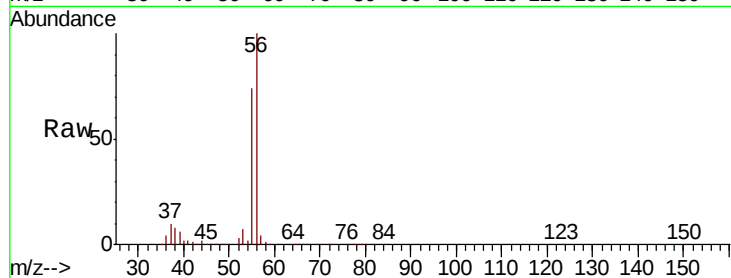
VX0528WBS01

Tot Ion: 56 Resp: 38756

Ion Ratio Lower Upper

56 100

55 73.3 57.0 85.4



#14

Allyl chloride

Concen: 19.657 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

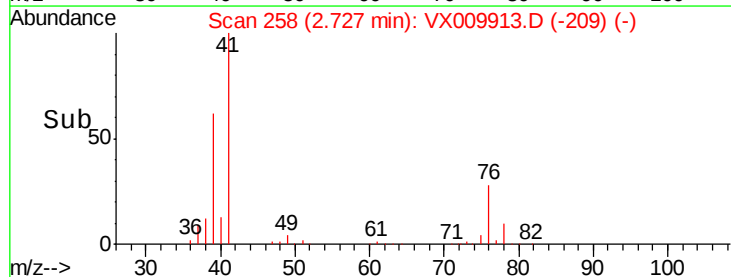
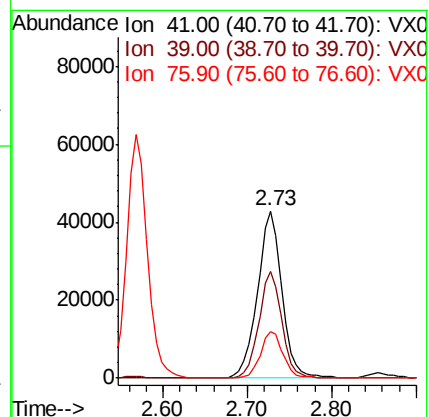
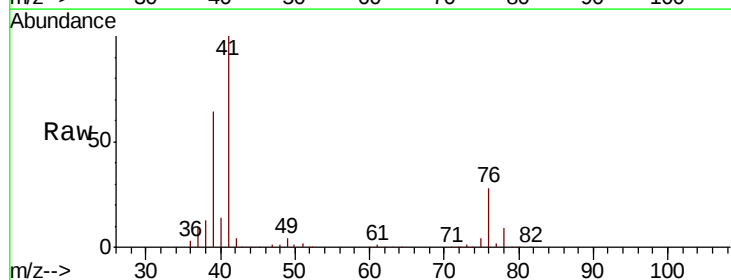
Tgt Ion: 41 Resp: 84798

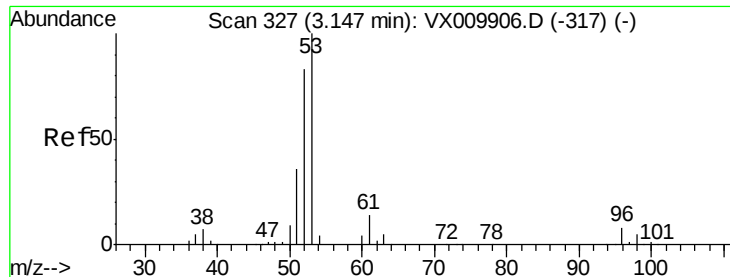
Ion Ratio Lower Upper

41 100

39 59.4 46.7 70.1

76 25.7 21.0 31.4





#15

Acrylonitrile

Concen: 93.137 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

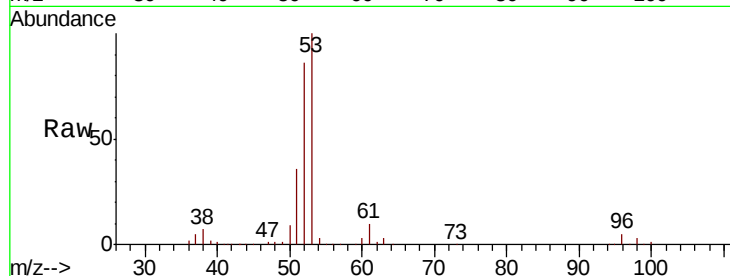
Tot Ion: 53 Resp: 136727

Ion Ratio Lower Upper

53 100

52 84.6 66.7 100.1

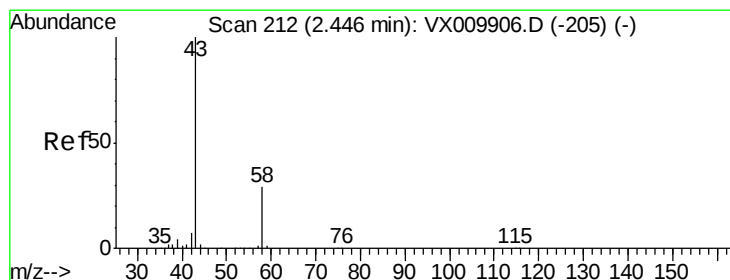
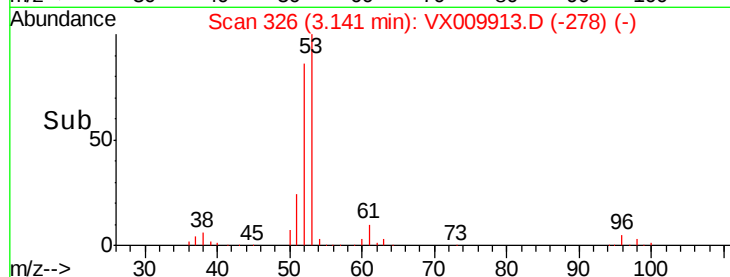
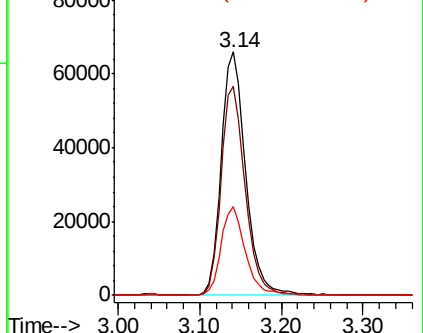
51 36.7 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 93.986 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009913.D

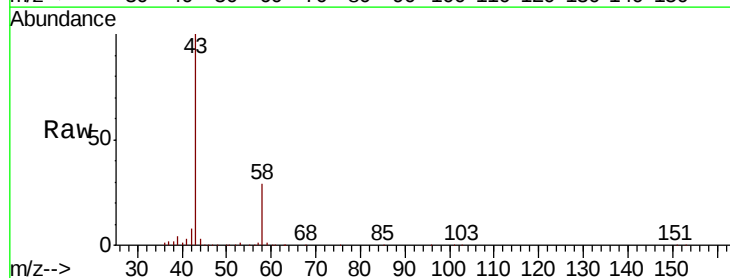
Acq: 28 May 2019 14:36

Tgt Ion: 43 Resp: 134439

Ion Ratio Lower Upper

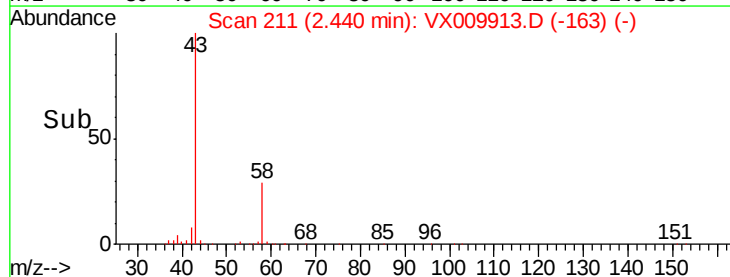
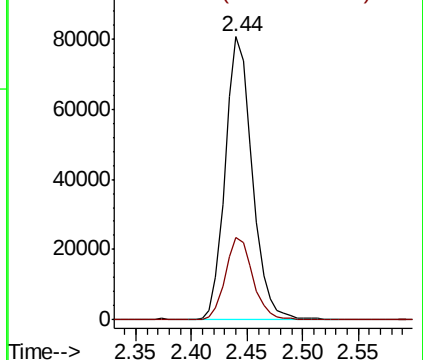
43 100

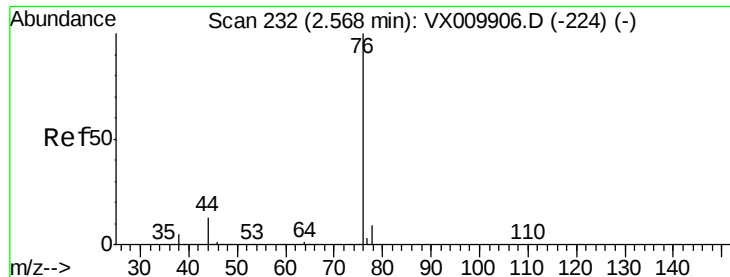
58 29.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 20.014 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

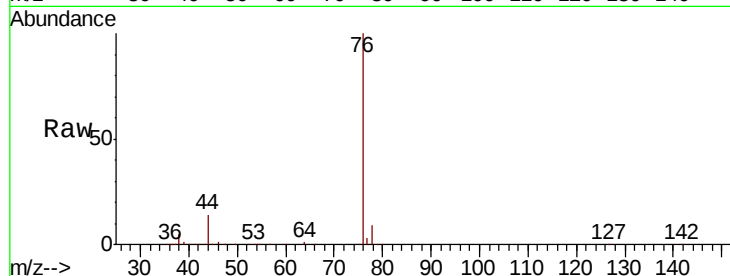
VX0528WBS01

Tot Ion: 76 Resp: 106316

Ion Ratio Lower Upper

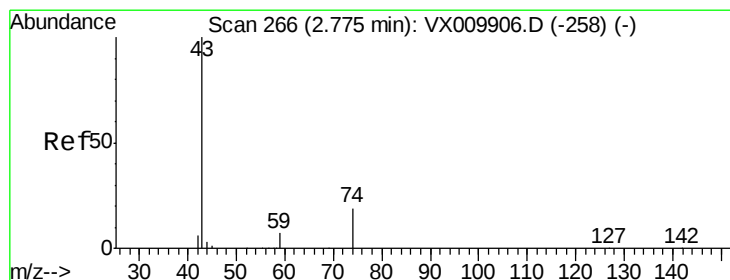
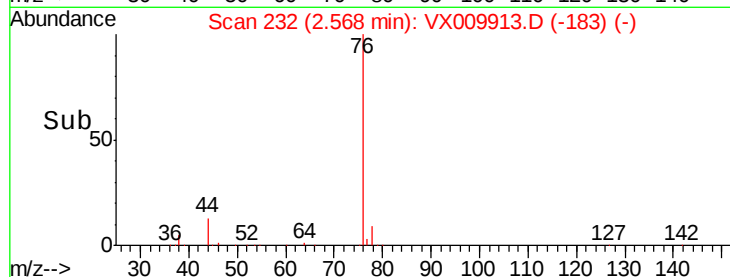
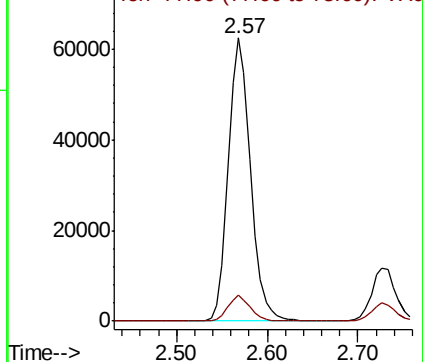
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.495 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009913.D

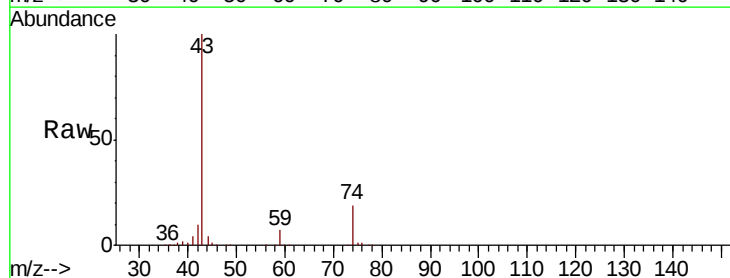
Acq: 28 May 2019 14:36

Tgt Ion: 43 Resp: 61558

Ion Ratio Lower Upper

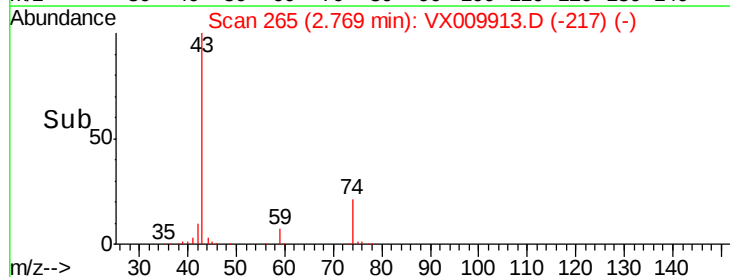
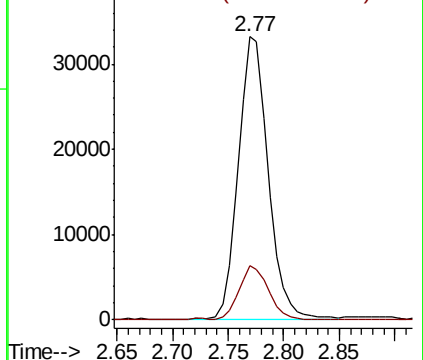
43 100

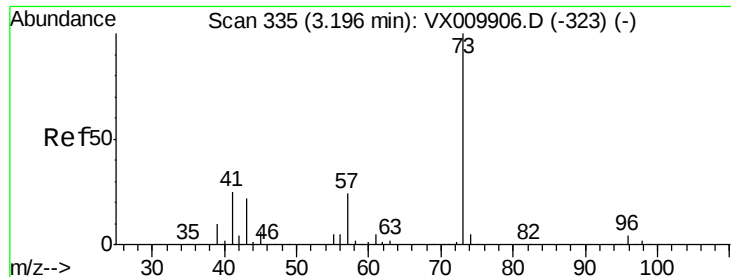
74 18.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

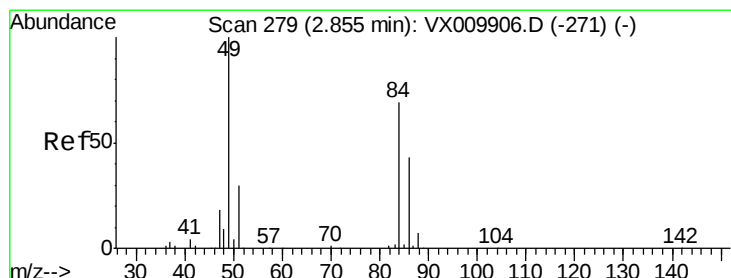
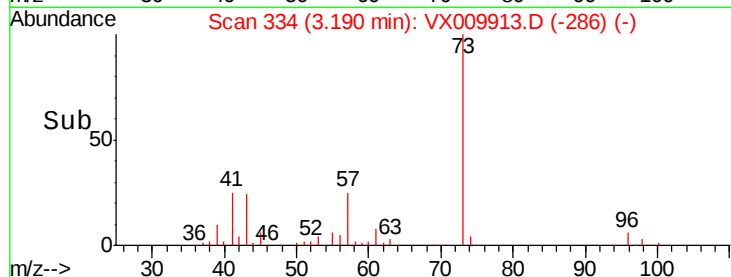
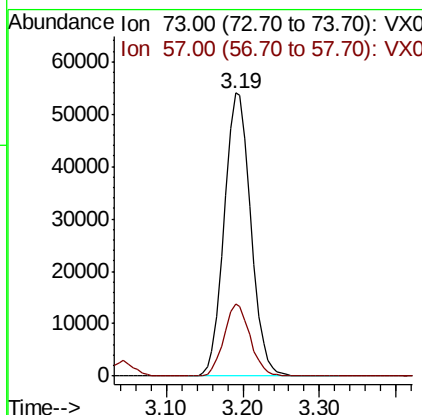
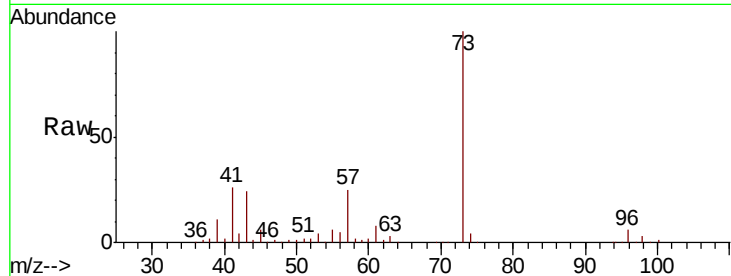




#19
Methyl tert-butyl Ether
Concen: 19.364 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

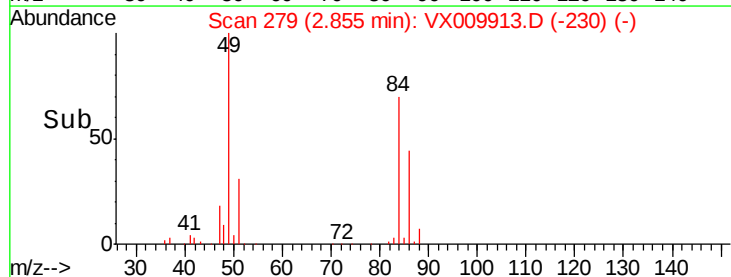
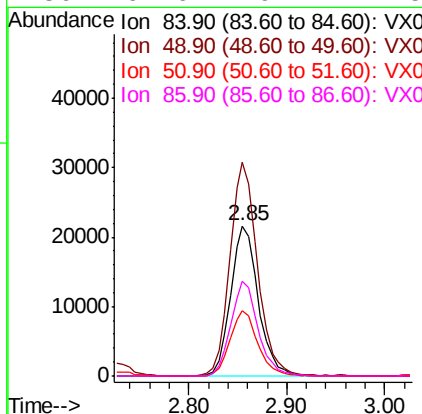
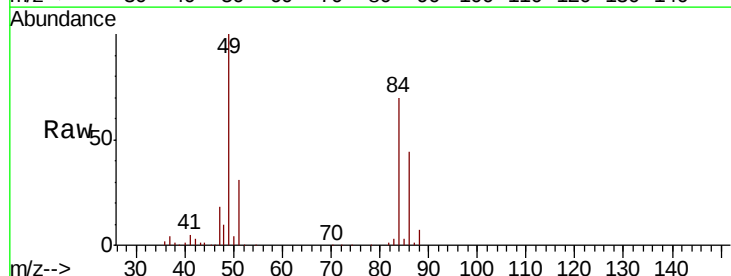
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

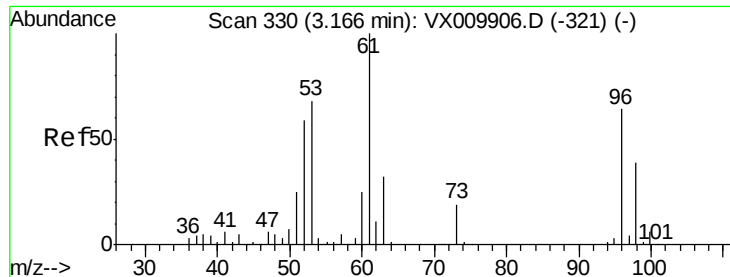
Tot Ion: 73 Resp: 129758
Ion Ratio Lower Upper
73 100
57 25.3 19.4 29.2



#20
Methylene Chloride
Concen: 19.280 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 84 Resp: 42233
Ion Ratio Lower Upper
84 100
49 141.7 115.8 173.6
51 43.8 34.4 51.6
86 62.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 19.309 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

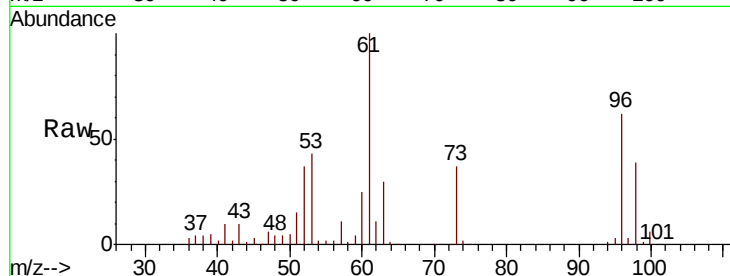
Tot Ion: 96 Resp: 38134

Ion Ratio Lower Upper

96 100

61 161.4 125.7 188.5

98 62.4 49.0 73.6

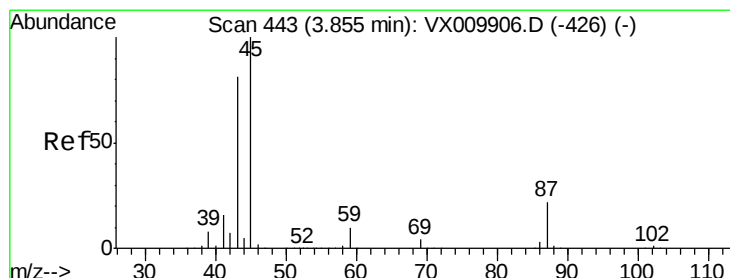
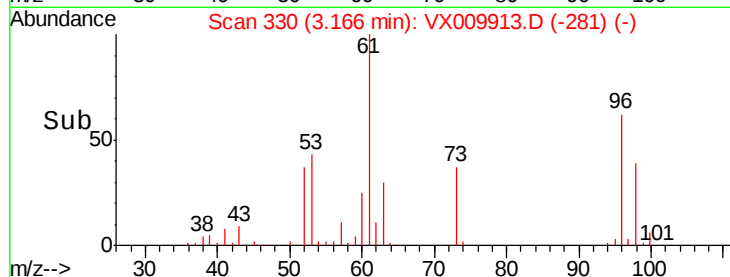
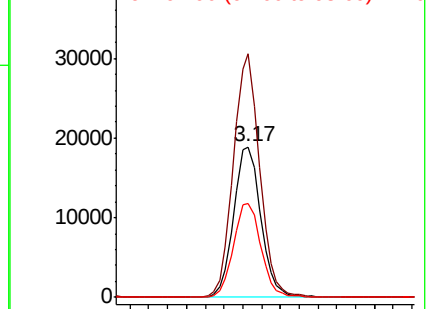


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.569 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion: 45 Resp: 160626

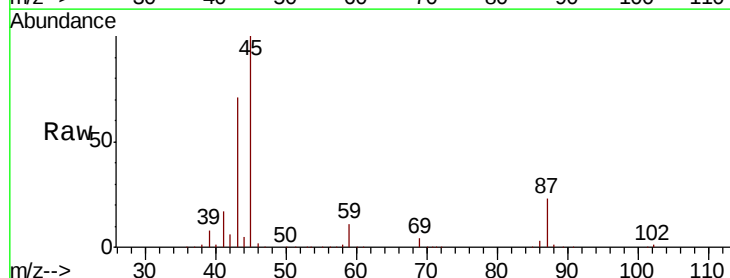
Ion Ratio Lower Upper

45 100

43 70.4 65.0 97.4

87 22.9 17.3 25.9

59 10.8 8.1 12.1



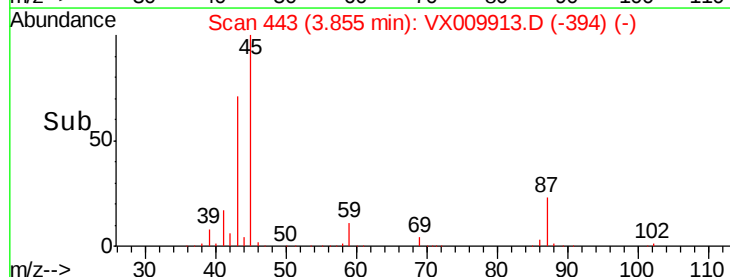
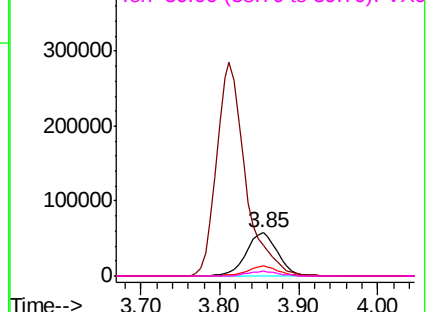
Abundance

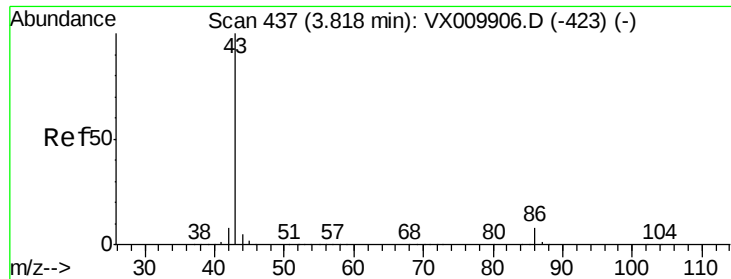
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.236 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

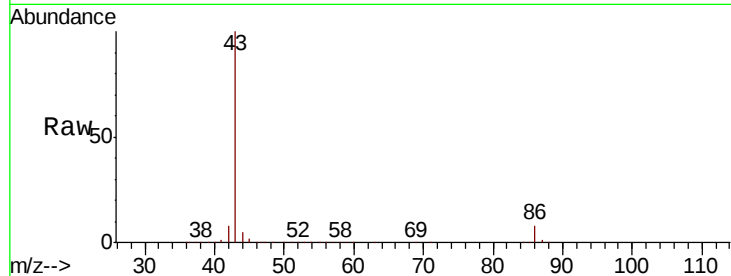
VX0528WBS01

Tot Ion: 43 Resp: 724365

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

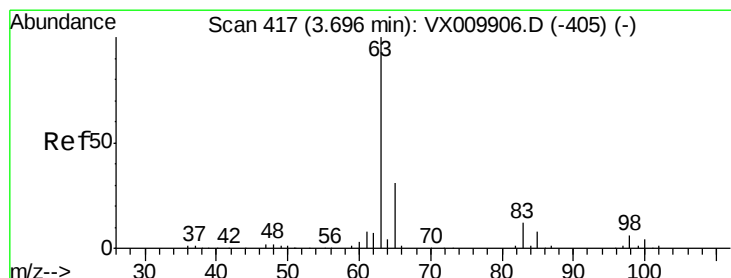
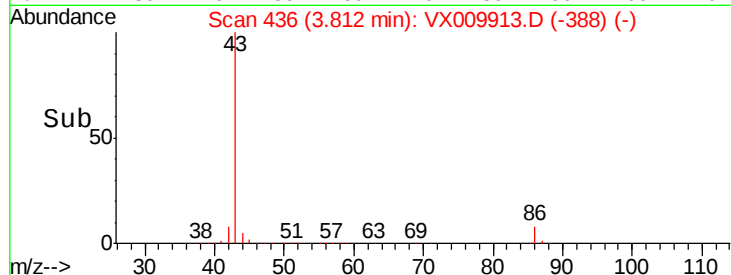
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.569 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

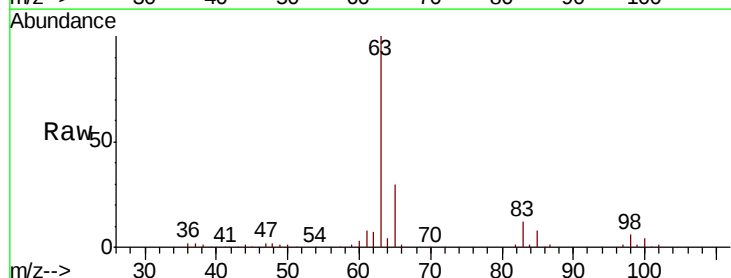
Tgt Ion: 63 Resp: 77840

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.6 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

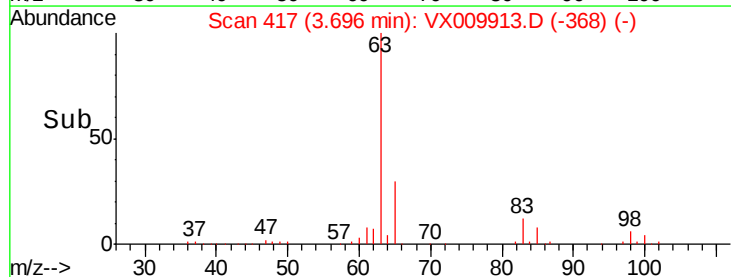
30000

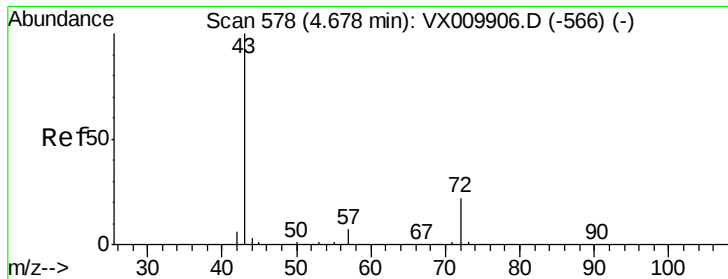
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.914 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

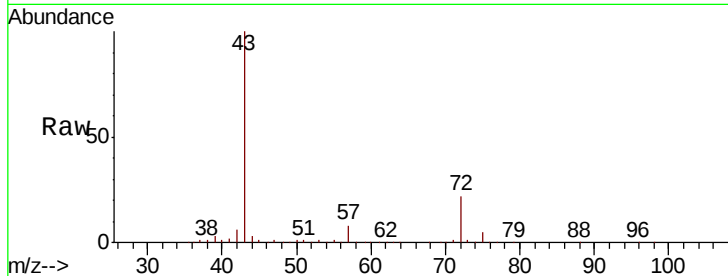
VX0528WBS01

Tot Ion: 43 Resp: 211521

Ion Ratio Lower Upper

43 100

72 21.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

80000

60000

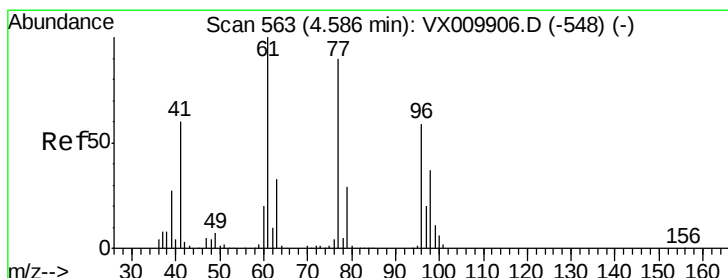
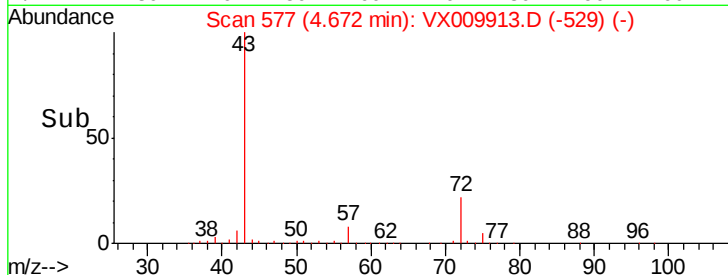
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.558 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009913.D

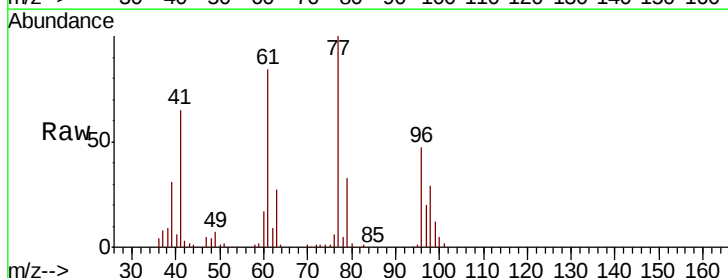
Acq: 28 May 2019 14:36

Tgt Ion: 77 Resp: 58852

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

20000

15000

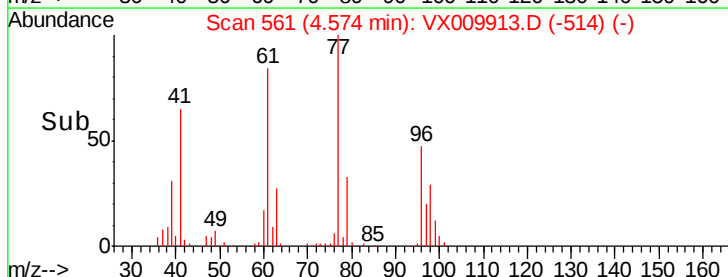
10000

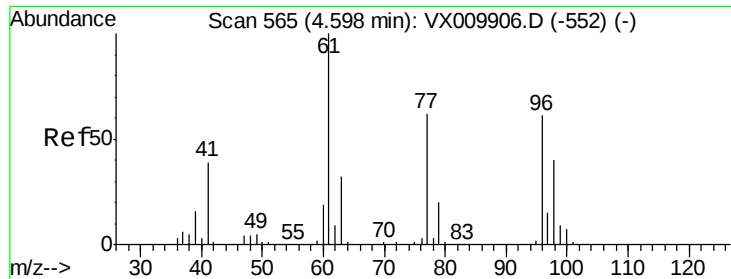
5000

0

4.50 4.60 4.70

Time-->



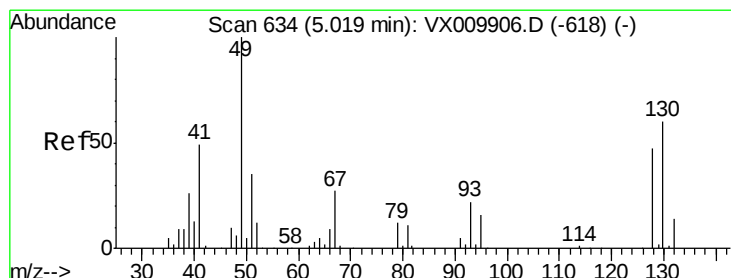
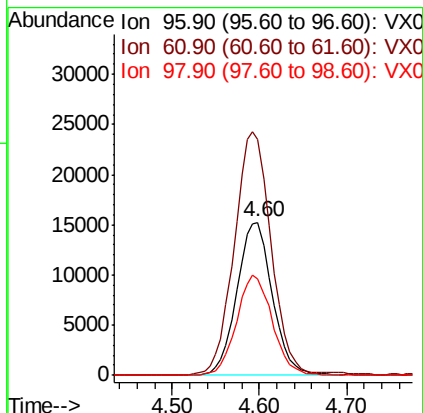
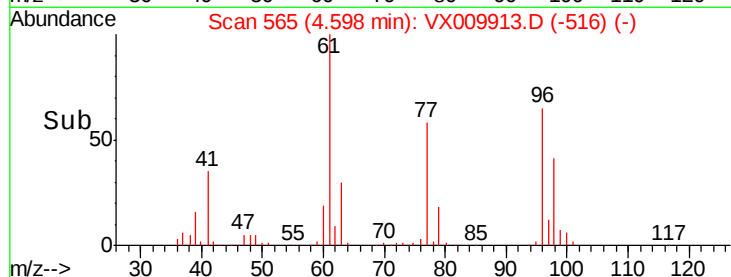
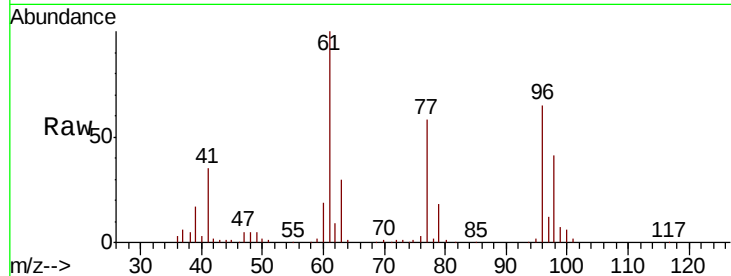


#27

cis-1,2-Dichloroethene
Concen: 18.833 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

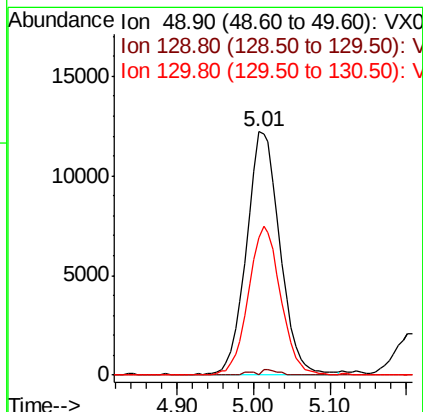
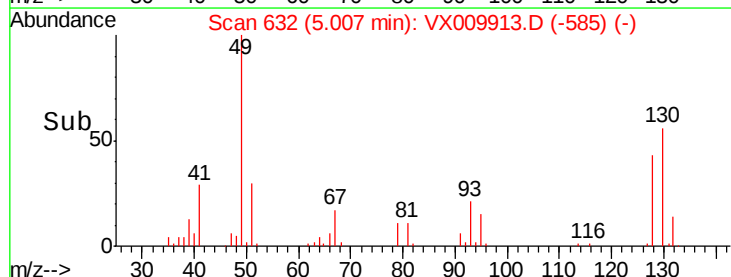
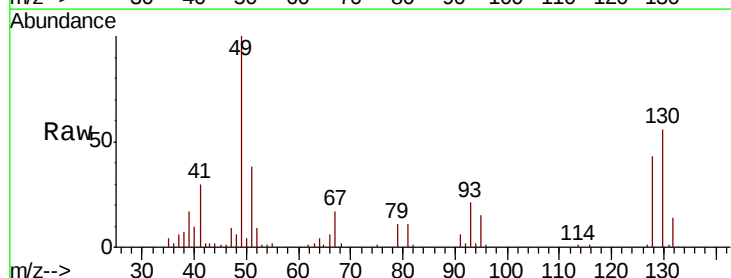
Tot Ion: 96 Resp: 42934
Ion Ratio Lower Upper
96 100
61 167.1 0.0 334.0
98 65.5 0.0 131.6

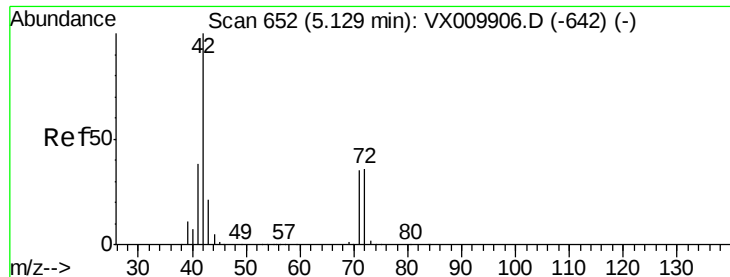


#28

Bromochloromethane
Concen: 18.065 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 49 Resp: 37290
Ion Ratio Lower Upper
49 100
129 1.1 0.0 3.4
130 59.0 49.4 74.2





#29

Tetrahydrofuran

Concen: 94.269 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

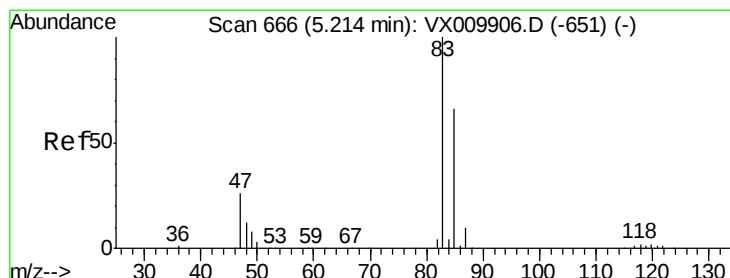
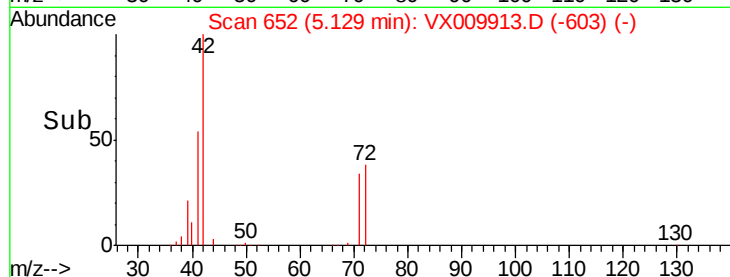
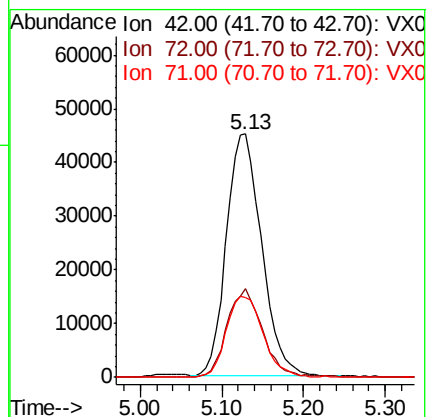
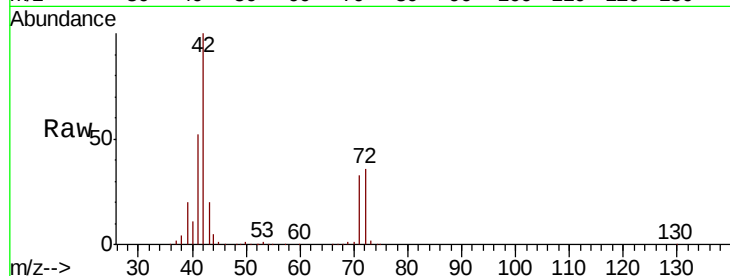
Tot Ion: 42 Resp: 134718

Ion Ratio Lower Upper

42 100

72 37.1 29.2 43.8

71 35.1 27.6 41.4



#30

Chloroform

Concen: 19.674 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX009913.D

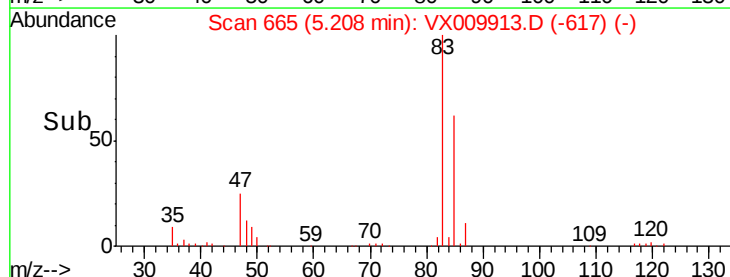
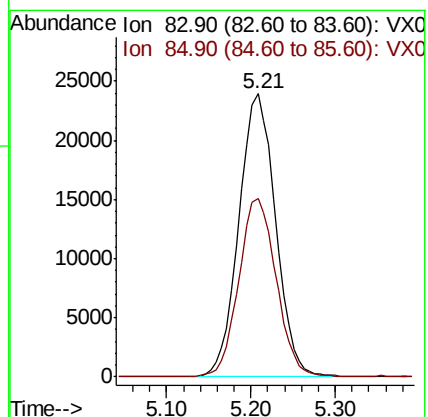
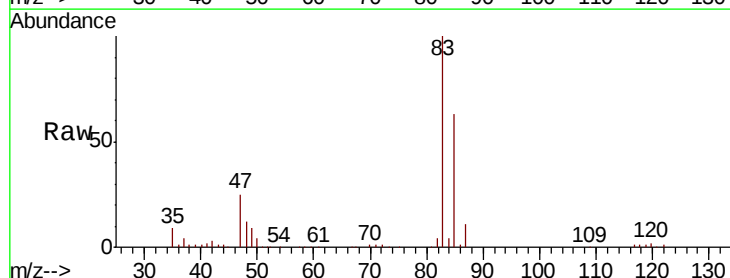
Acq: 28 May 2019 14:36

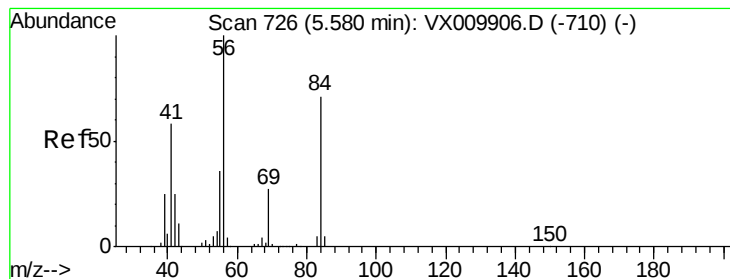
Tgt Ion: 83 Resp: 70578

Ion Ratio Lower Upper

83 100

85 62.9 52.6 78.8





#31

Cvclohexane

Concen: 20.693 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

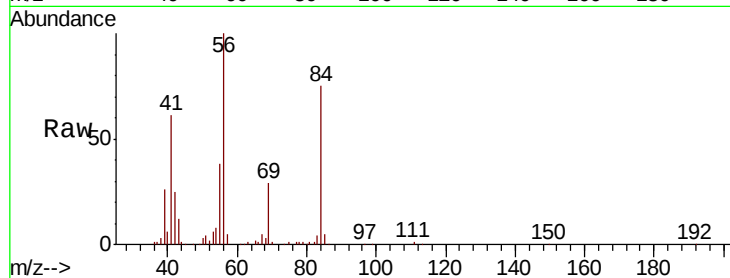
Tot Ion: 56 Resp: 77959

Ion Ratio Lower Upper

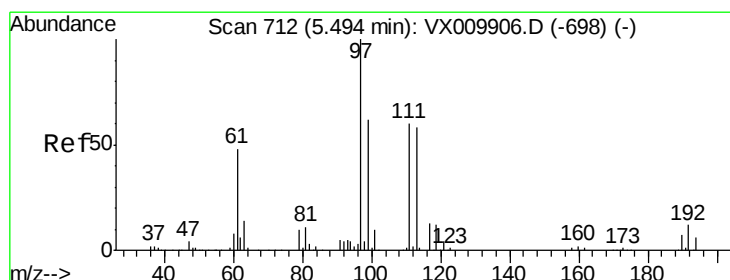
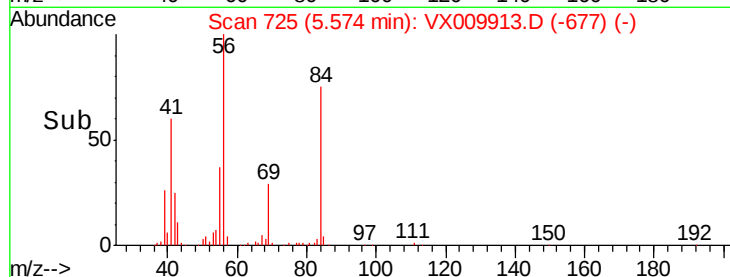
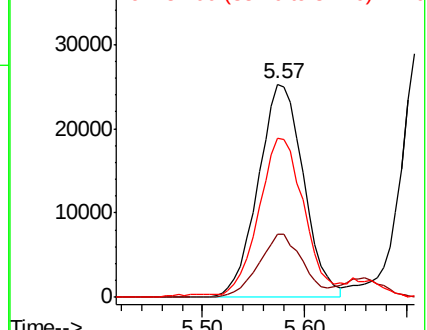
56 100

69 29.4 21.6 32.4

84 73.1 56.8 85.2



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: 20.004 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

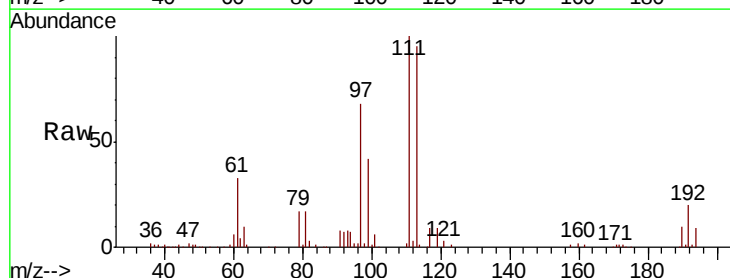
Tgt Ion: 97 Resp: 58444

Ion Ratio Lower Upper

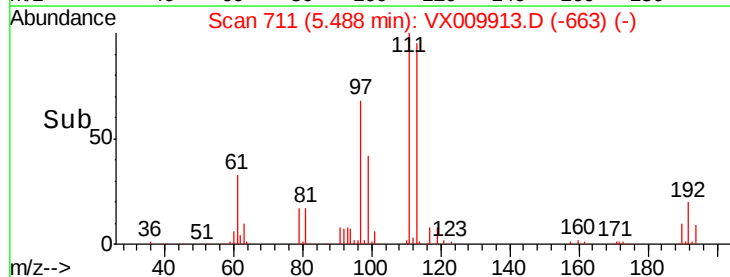
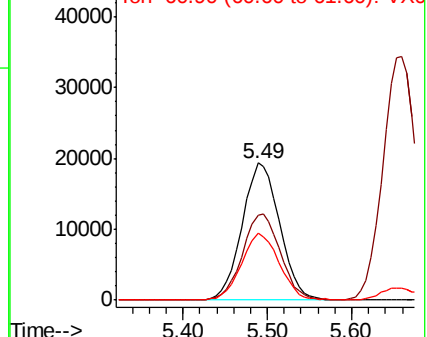
97 100

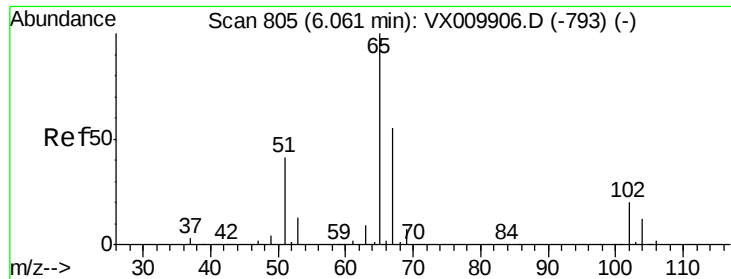
99 63.3 51.0 76.4

61 49.2 38.7 58.1



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

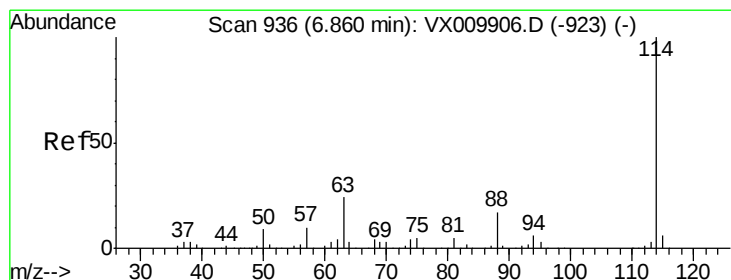
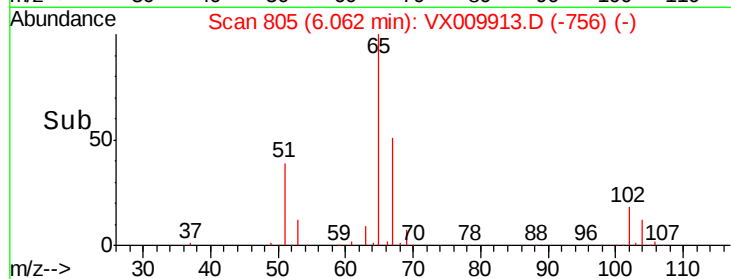
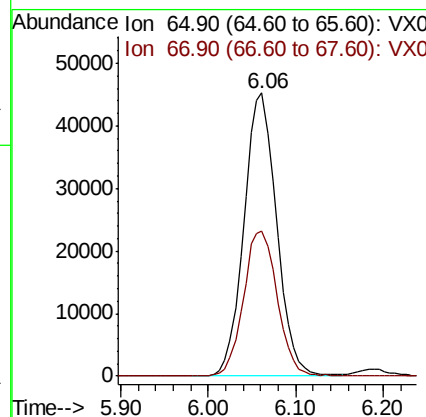
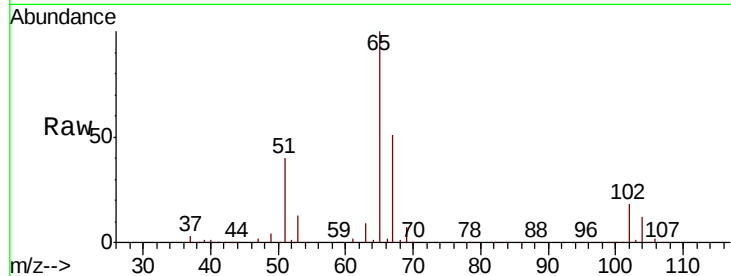




#33
 1,2-Dichloroethane-d4
 Concen: 47.453 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

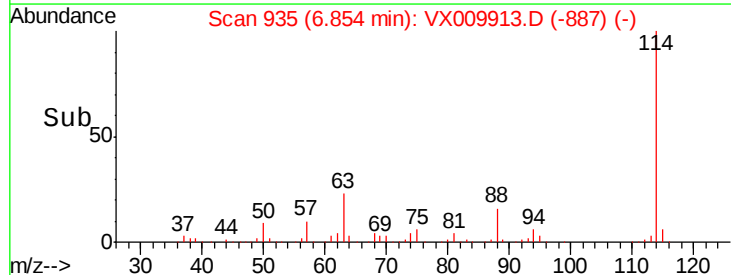
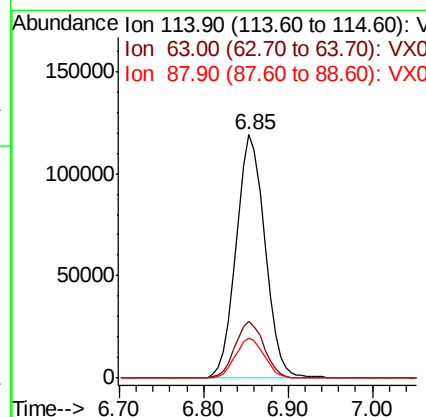
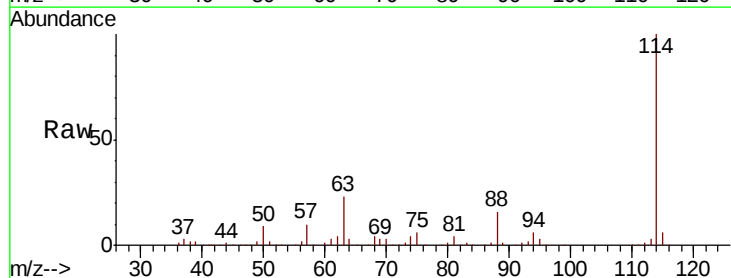
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

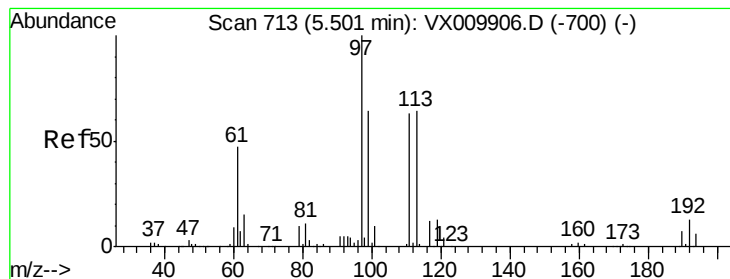
Tot Ion: 65 Resp: 117479
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 114 Resp: 275520
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.519 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

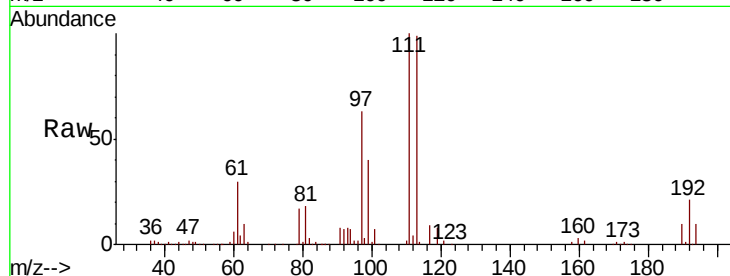
Tot Ion:113 Resp: 84044

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

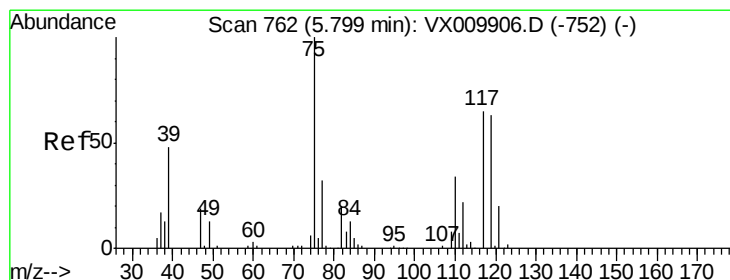
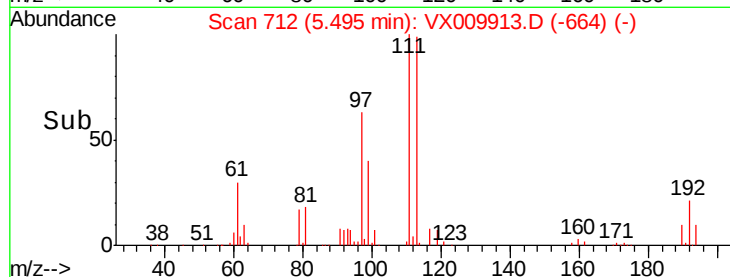
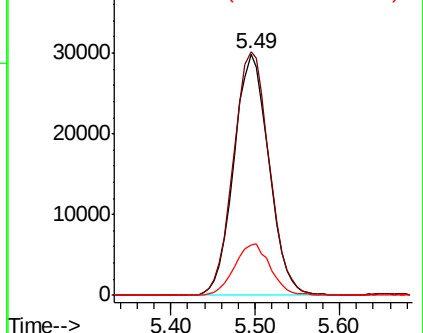
192 21.9 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.510 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

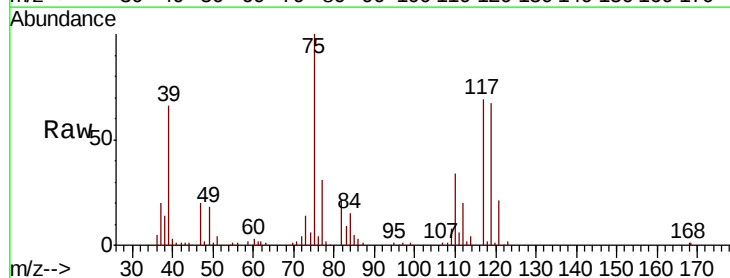
Tgt Ion: 75 Resp: 54540

Ion Ratio Lower Upper

75 100

110 34.4 16.7 50.1

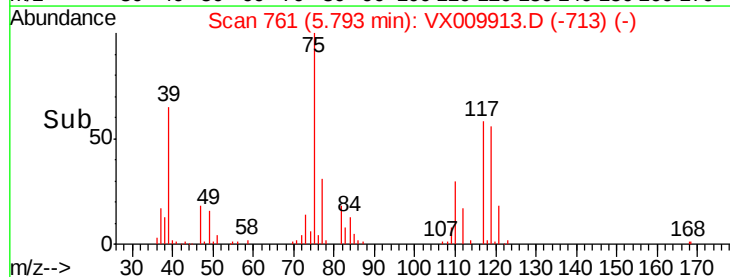
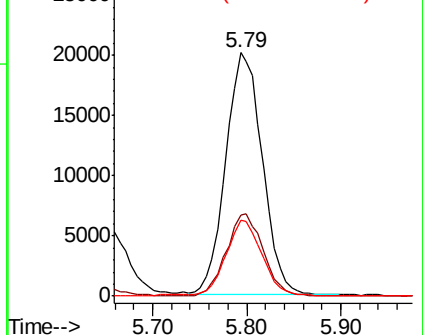
77 31.3 25.0 37.4

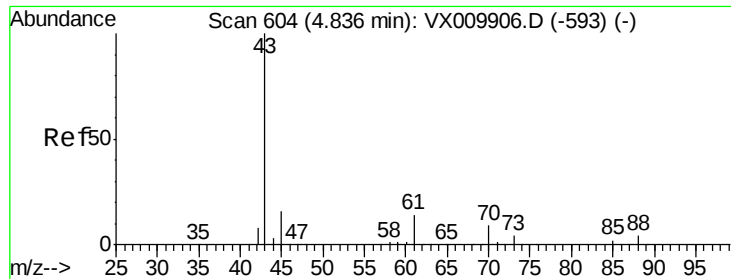


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

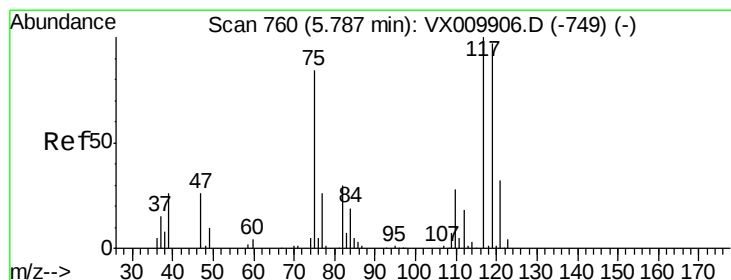
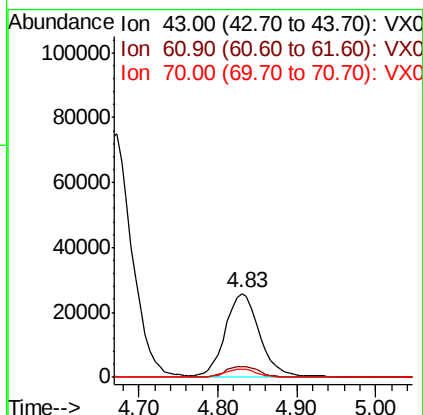
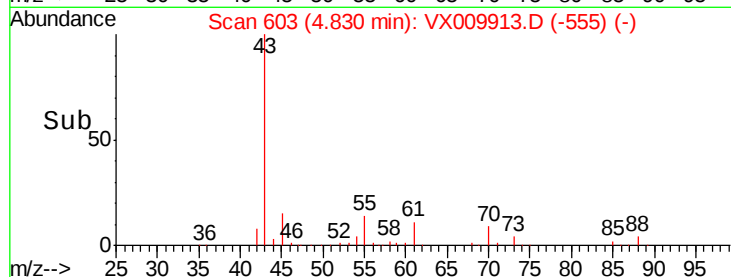
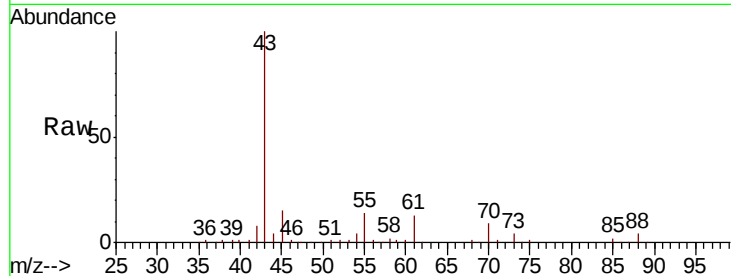




#37
Ethyl Acetate
Concen: 19.993 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

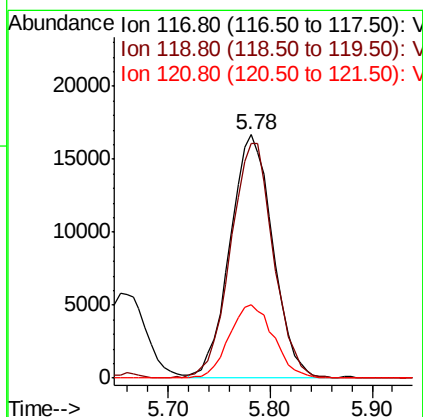
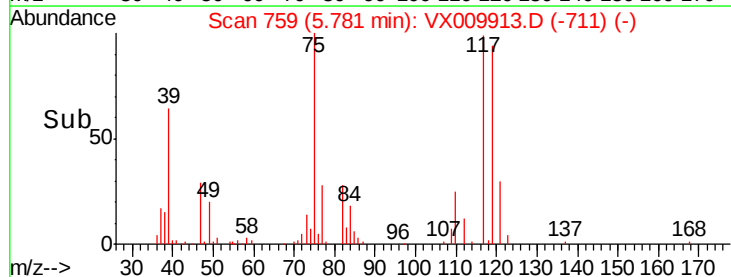
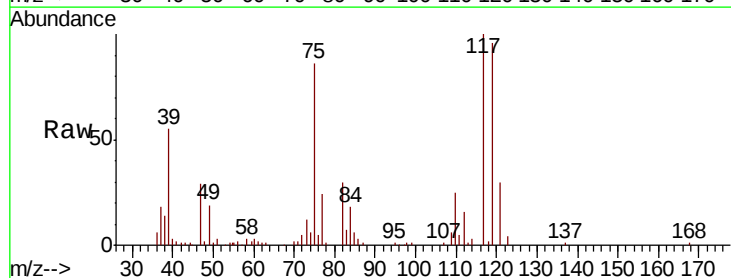
Instrument :
MSVOA_X
ClientSampleID :
VX0528WBS01

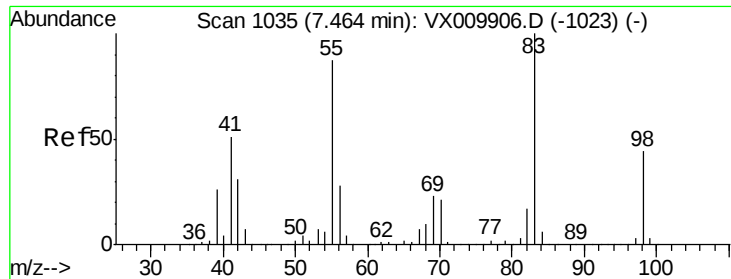
Tot Ion: 43 Resp: 77875
Ion Ratio Lower Upper
43 100
61 12.6 10.2 15.2
70 9.5 7.4 11.2



#38
Carbon Tetrachloride
Concen: 19.955 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 117 Resp: 48205
Ion Ratio Lower Upper
117 100
119 96.7 77.3 115.9
121 30.4 25.4 38.0

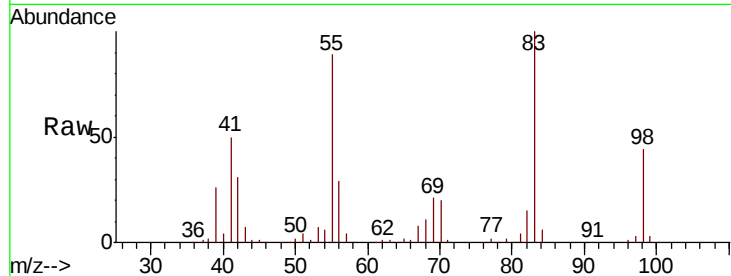




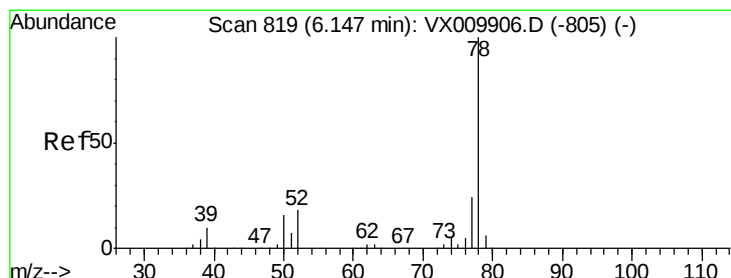
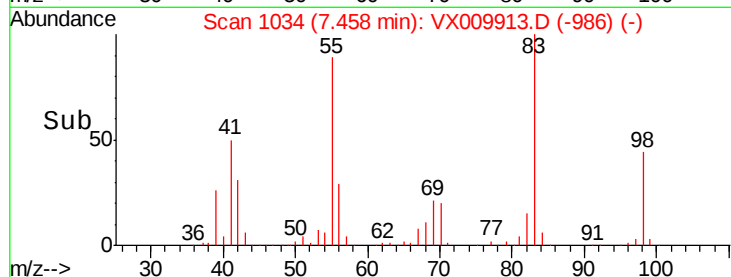
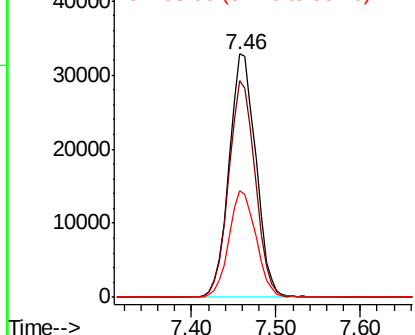
#39
Methvlcvclohexane
Concen: 21.448 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion: 83 Resp: 71120
Ion Ratio Lower Upper
83 100
55 89.1 69.9 104.9
98 43.6 35.1 52.7

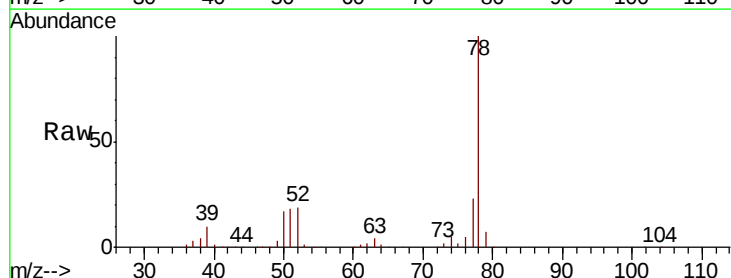


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

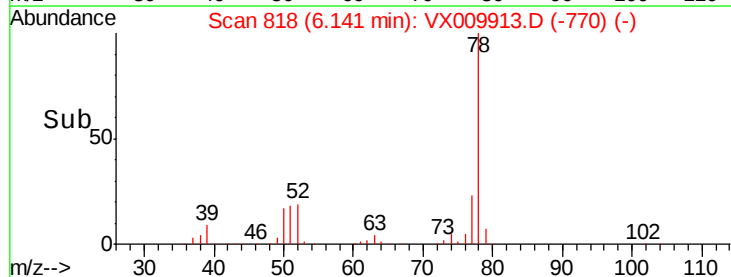
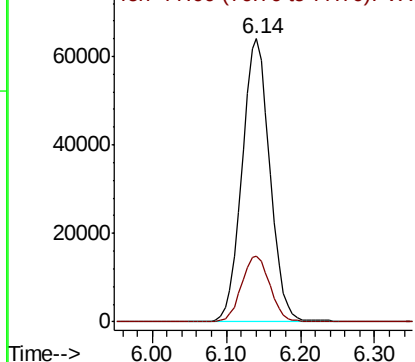


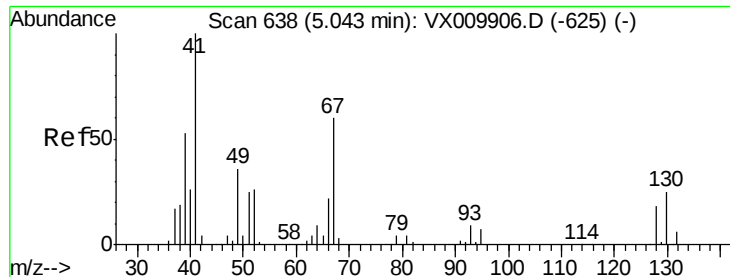
#40
Benzene
Concen: 20.238 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 78 Resp: 167826
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

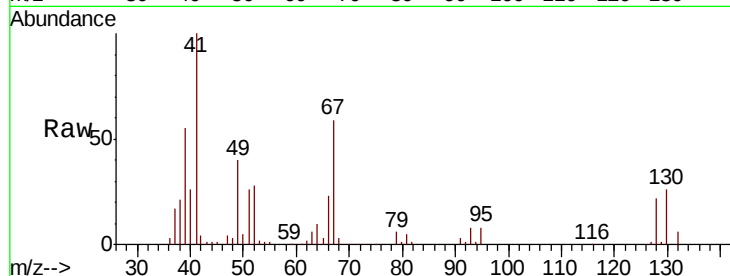




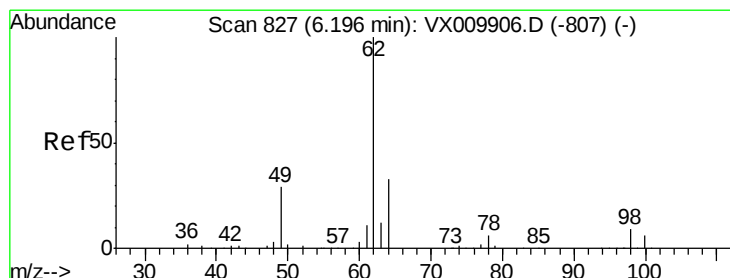
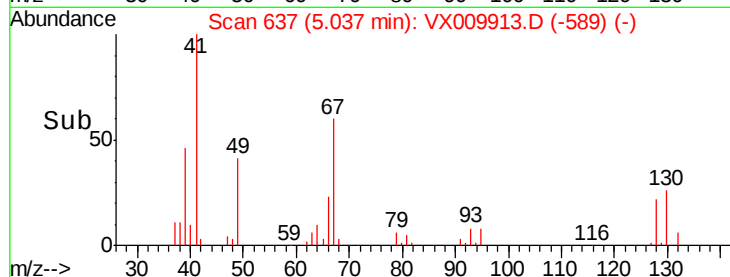
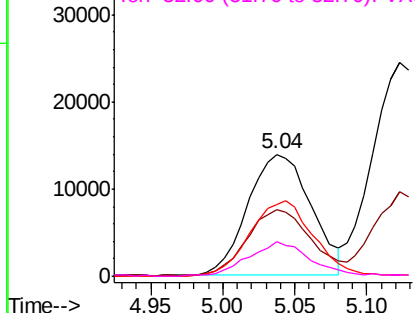
#41
Methacrylonitrile
Concen: 18.689 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampled :
VX0528WBS01

Tot Ion:	41	Resp:	42537
Ion	Ratio	Lower	Upper
41	100		
39	56.1	42.2	63.4
67	63.4	48.9	73.3
52	26.6	20.1	30.1

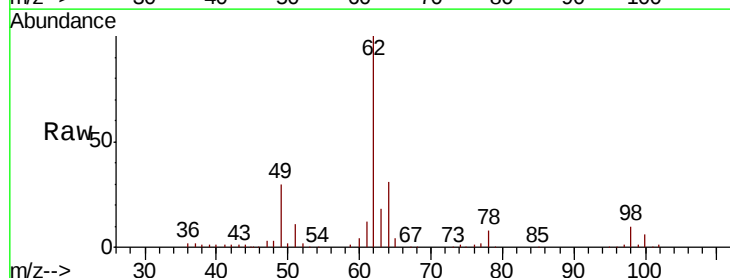


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

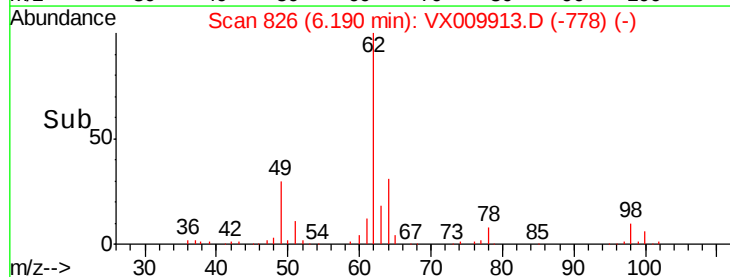
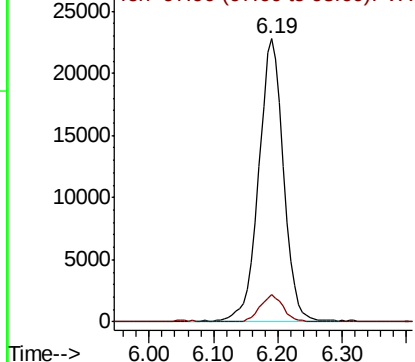


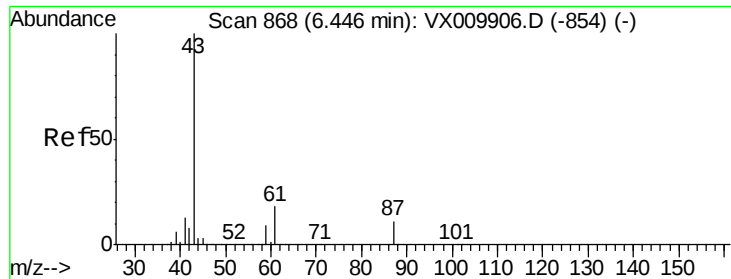
#42
1,2-Dichloroethane
Concen: 19.790 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:	62	Resp:	60671
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



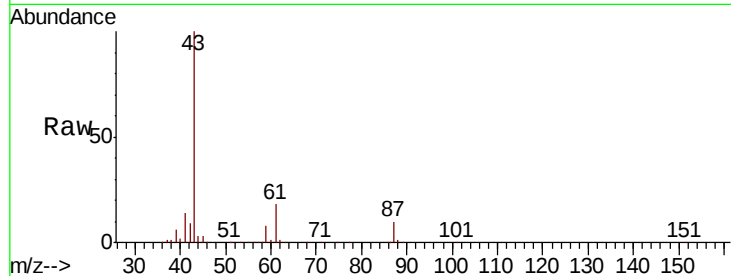


#43

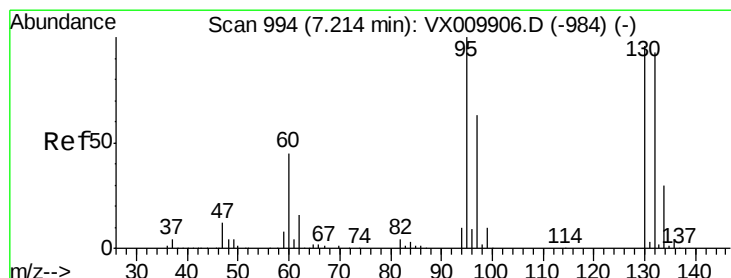
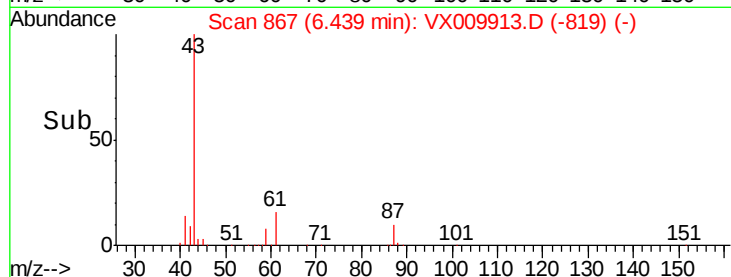
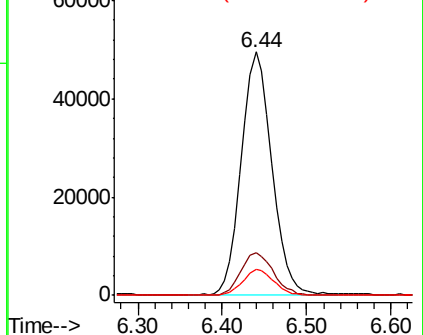
Isopropyl Acetate
 Concen: 19.348 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion: 43 Resp: 121602
 Ion Ratio Lower Upper
 43 100
 61 18.7 14.6 21.8
 87 10.8 8.7 13.1



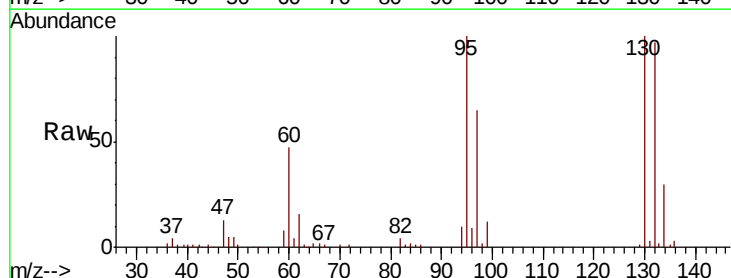
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



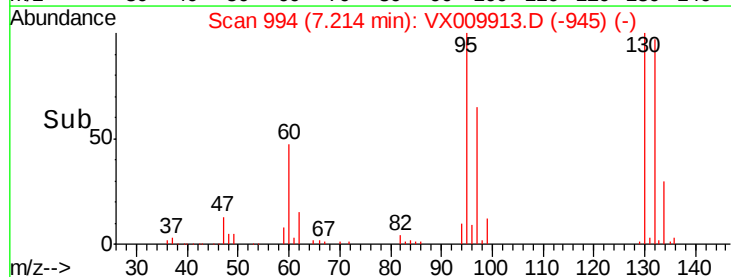
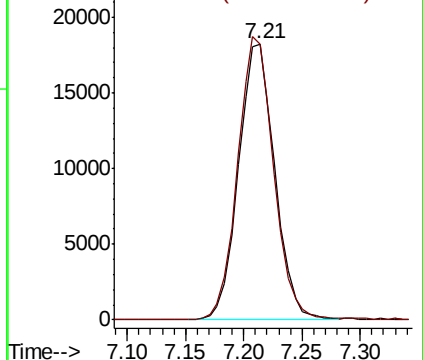
#44

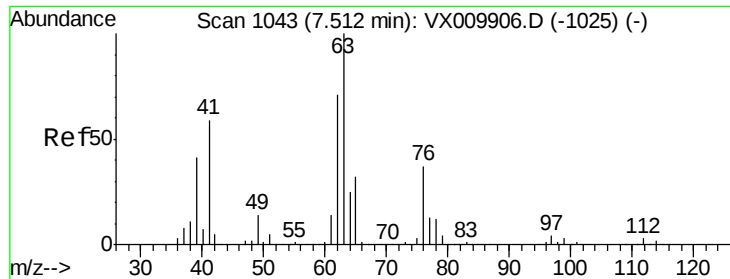
Trichloroethene
 Concen: 19.624 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion:130 Resp: 39529
 Ion Ratio Lower Upper
 130 100
 95 99.7 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 19.826 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

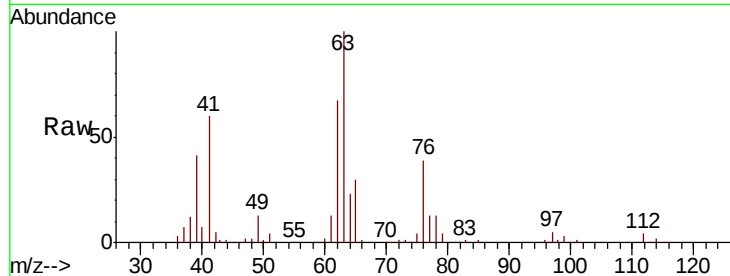
VX0528WBS01

Tot Ion: 63 Resp: 47328

Ion Ratio Lower Upper

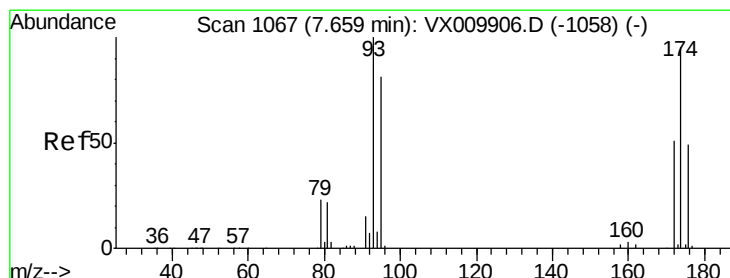
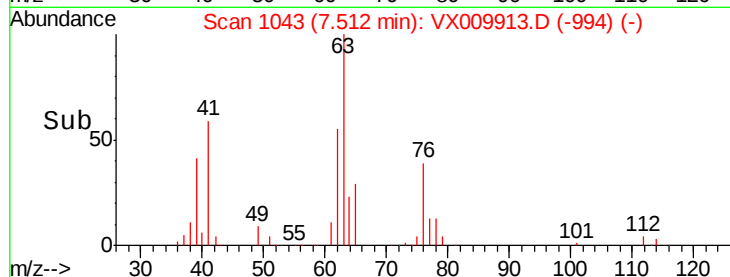
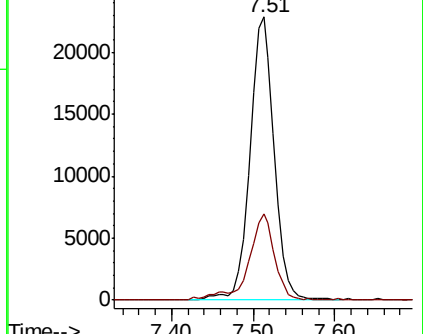
63 100

65 30.4 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.221 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

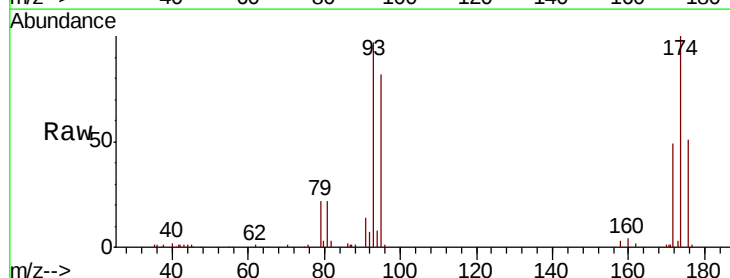
Tgt Ion: 93 Resp: 27008

Ion Ratio Lower Upper

93 100

95 84.0 66.8 100.2

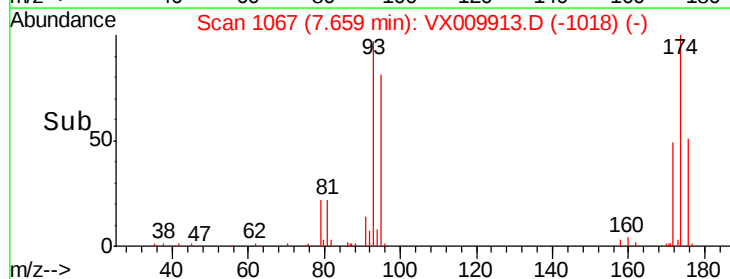
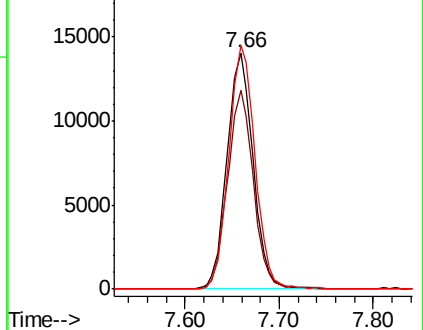
174 103.7 81.9 122.9

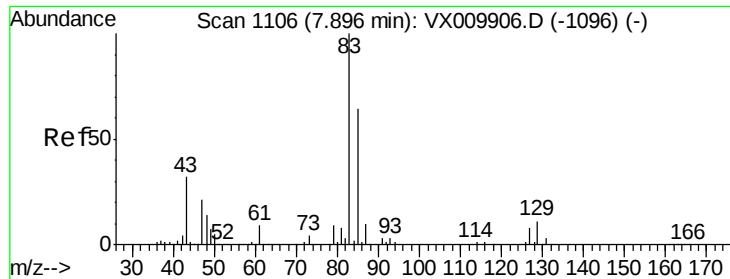


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.301 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

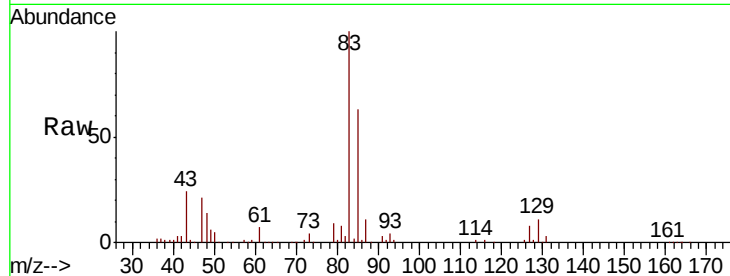
Tot Ion: 83 Resp: 54246

Ion Ratio Lower Upper

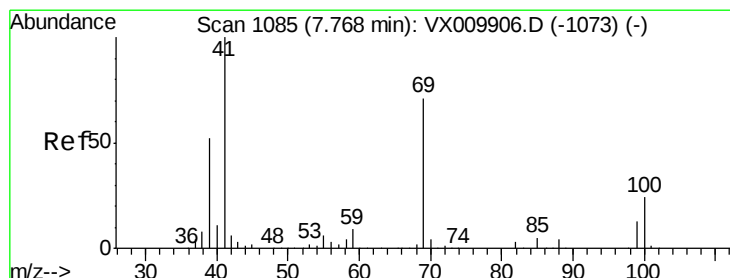
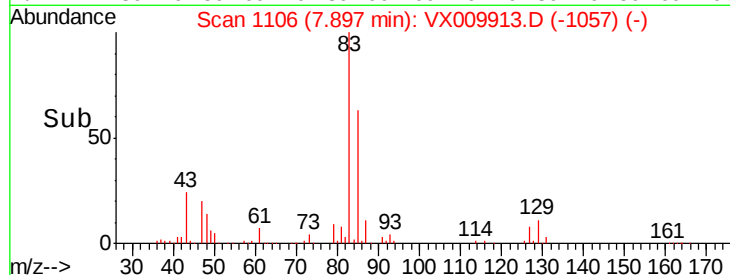
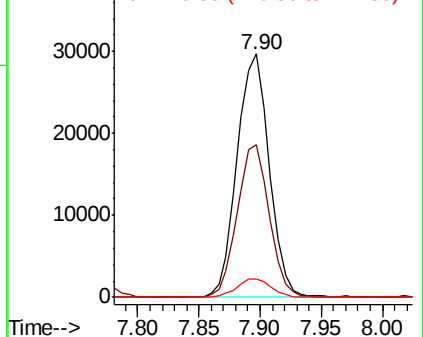
83 100

85 63.0 51.4 77.2

127 7.7 6.4 9.6



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: 19.849 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

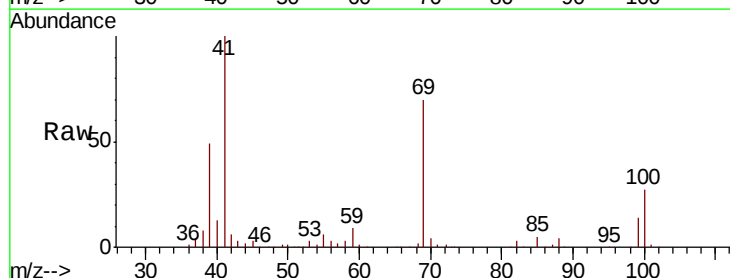
Tgt Ion: 41 Resp: 61755

Ion Ratio Lower Upper

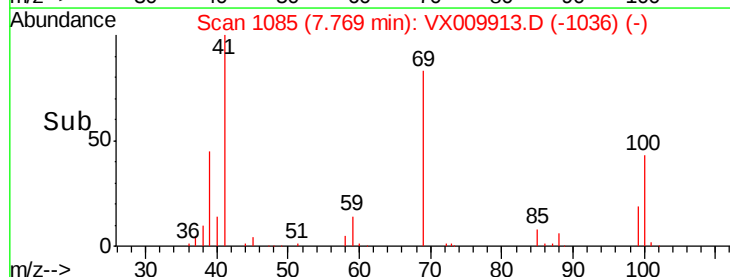
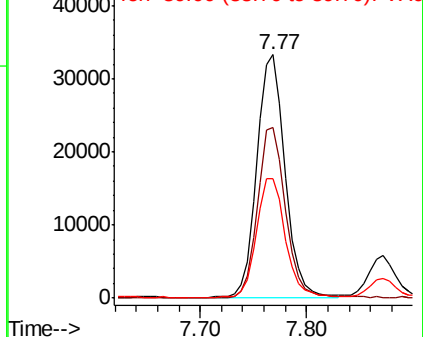
41 100

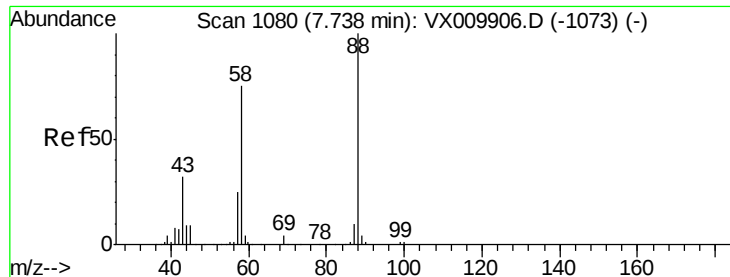
69 70.8 56.4 84.6

39 50.7 40.6 60.8



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

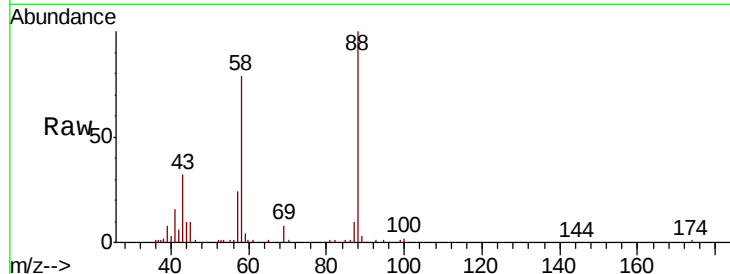




#49
1,4-Dioxane
Concen: 401.795 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	88	Resp	23253
Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.2	45.4
58	82.3	64.0	96.0

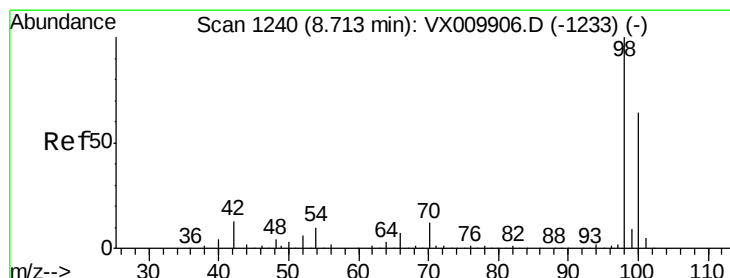
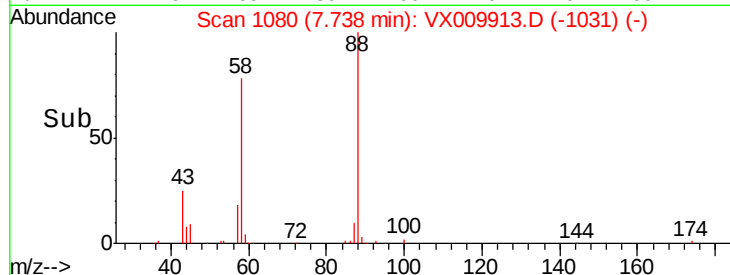
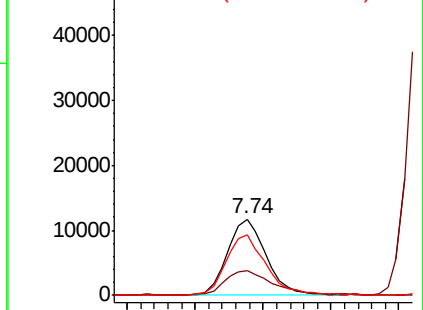


Abundance

Ion 88.00 (87.70 to 88.70): VX0

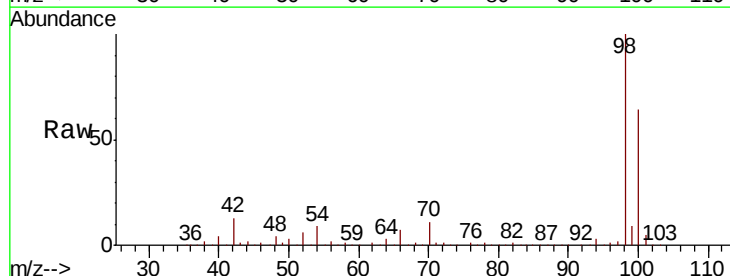
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.704 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

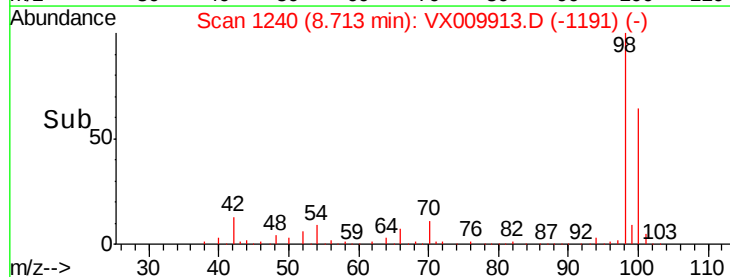
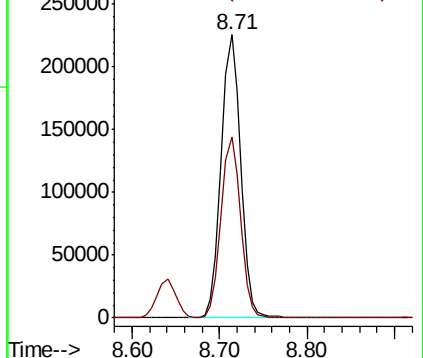
Tgt Ion	98	Resp	349619
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3

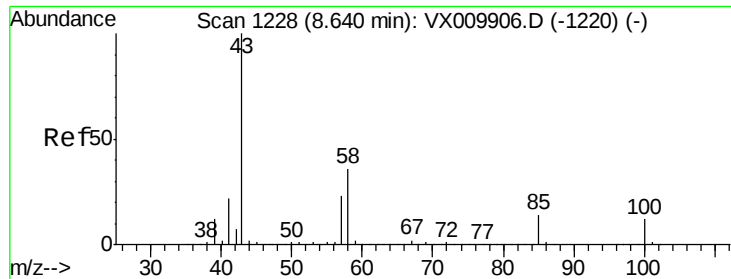


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 98.545 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

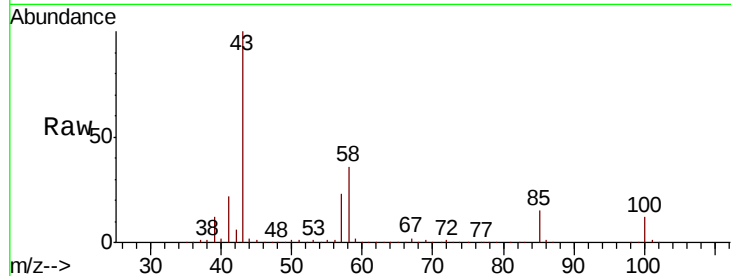
VX0528WBS01

Tot Ion: 43 Resp: 402898

Ion Ratio Lower Upper

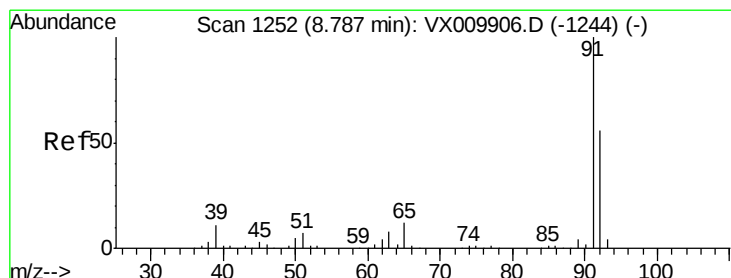
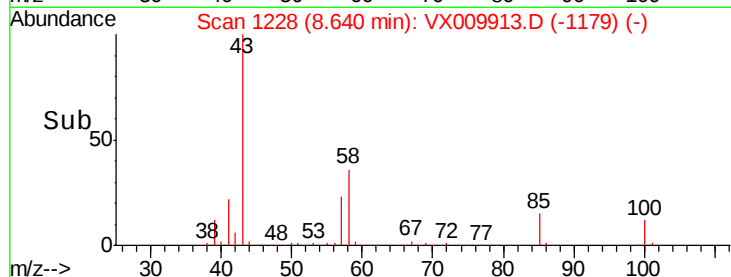
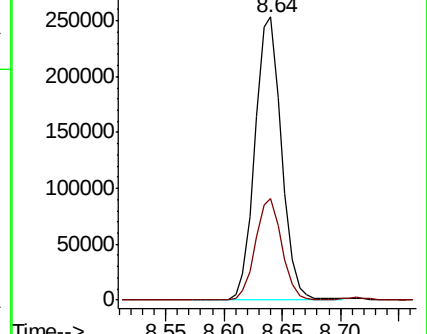
43 100

58 35.7 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.378 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009913.D

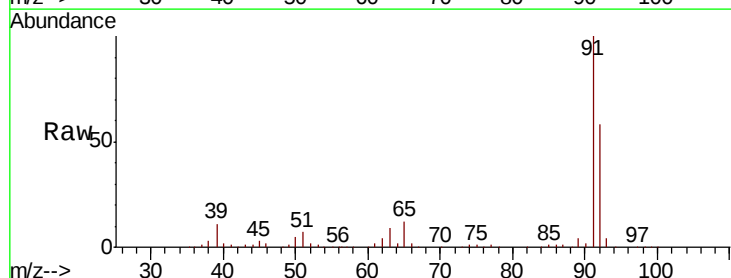
Acq: 28 May 2019 14:36

Tgt Ion: 92 Resp: 102601

Ion Ratio Lower Upper

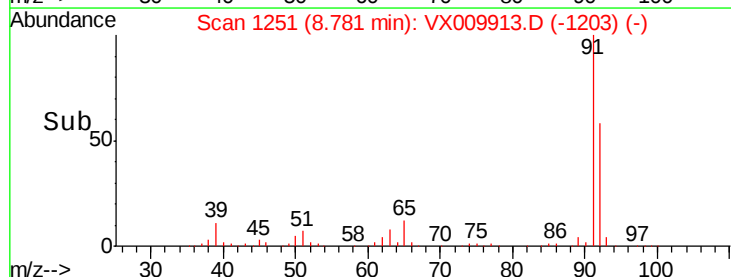
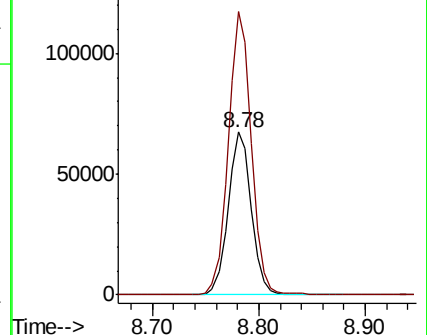
92 100

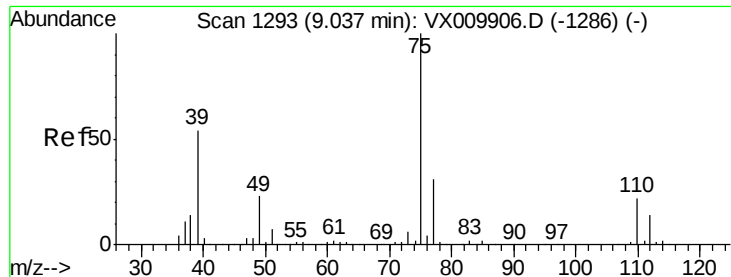
91 172.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

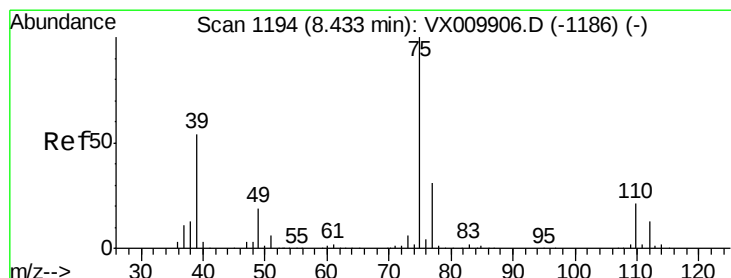
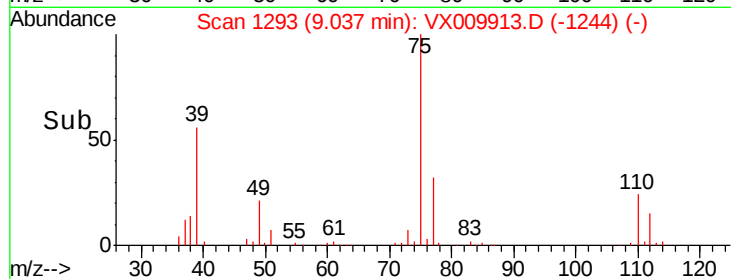
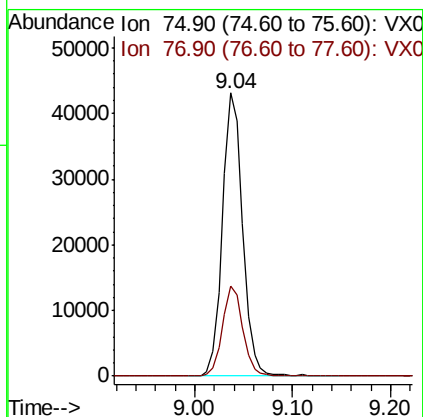
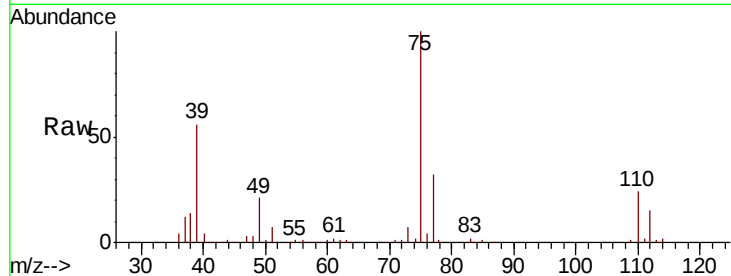




#53
t-1,3-Dichloropropene
Concen: 19.300 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

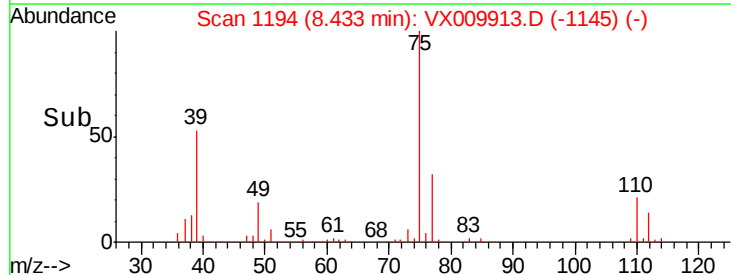
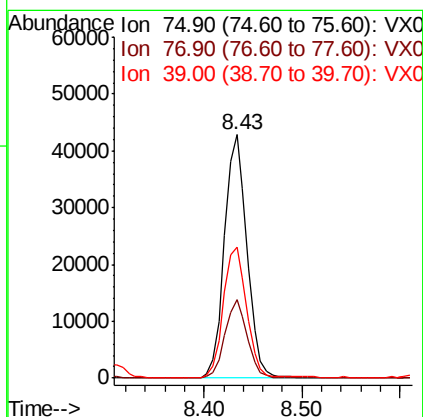
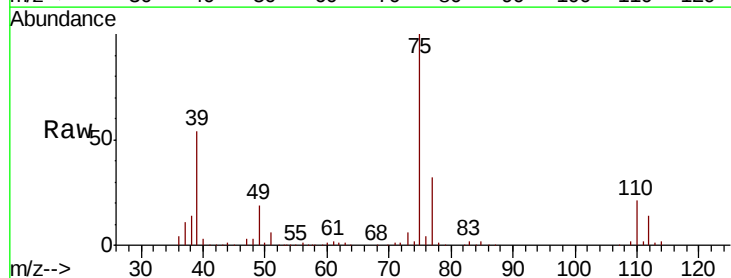
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

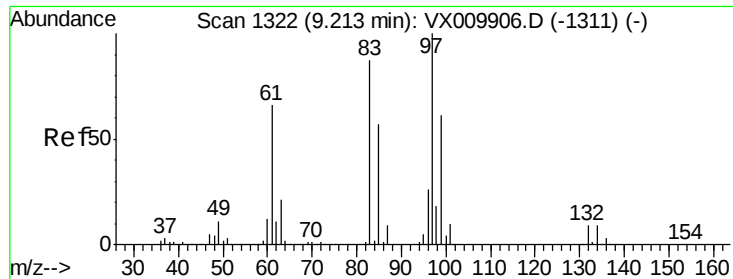
Tot Ion: 75 Resp: 61848
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 19.678 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 75 Resp: 68707
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2
39 53.5 43.4 65.0

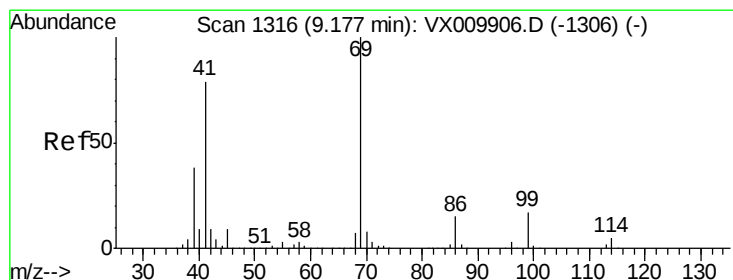
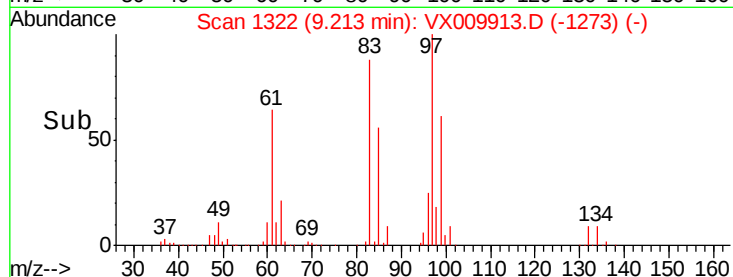
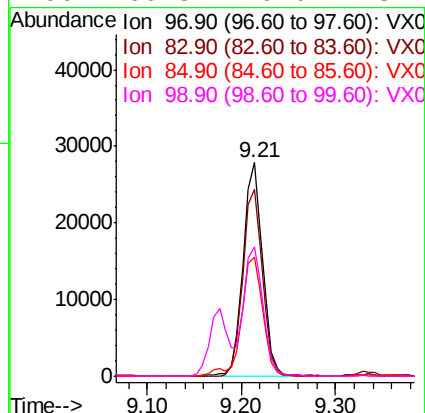
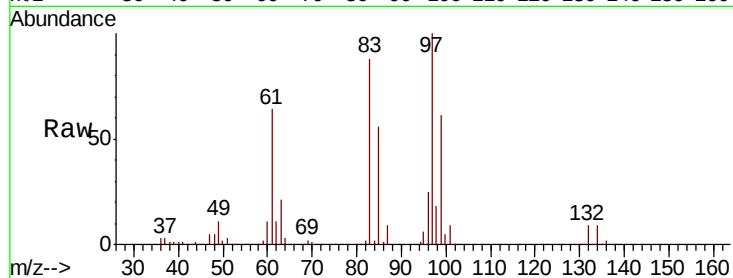




#55
 1,1,2-Trichloroethane
 Concen: 19.818 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

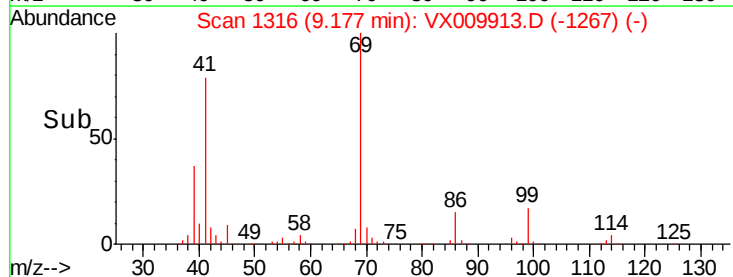
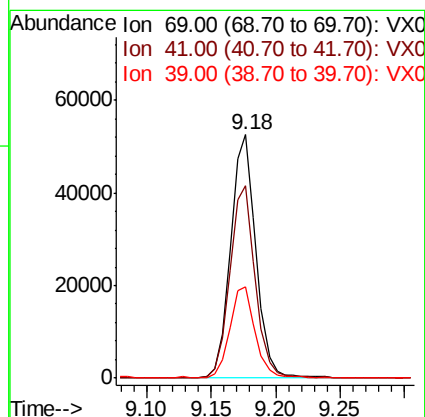
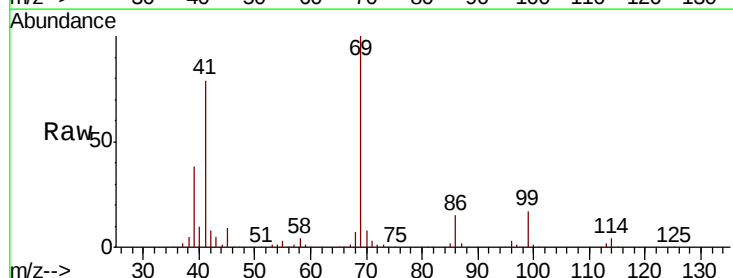
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

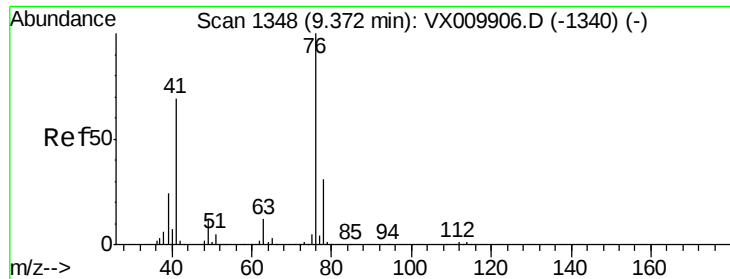
Tot Ion: 97 Resp: 40161
 Ion Ratio Lower Upper
 97 100
 83 87.7 69.8 104.8
 85 55.5 45.3 67.9
 99 60.8 49.0 73.4



#56
 Ethyl methacrylate
 Concen: 20.030 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 69 Resp: 72264
 Ion Ratio Lower Upper
 69 100
 41 79.2 62.7 94.1
 39 37.4 29.5 44.3





#57

1,3-Dichloropropane

Concen: 19.777 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

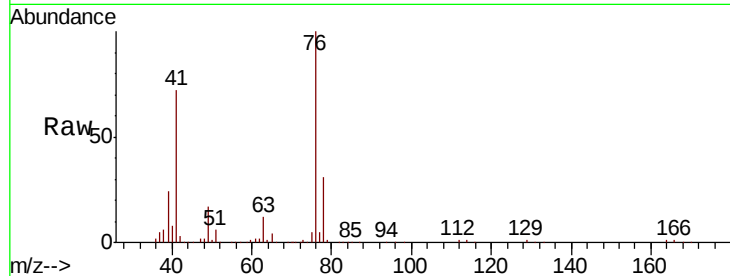
VX0528WBS01

Tot Ion: 76 Resp: 71977

Ion Ratio Lower Upper

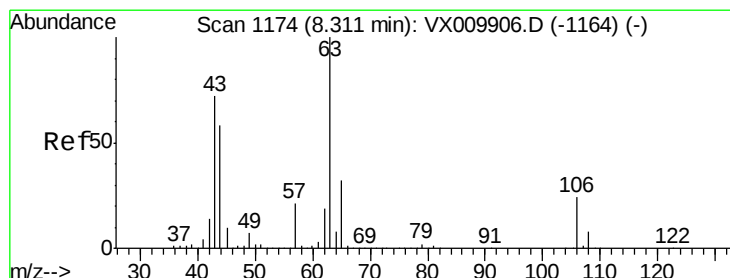
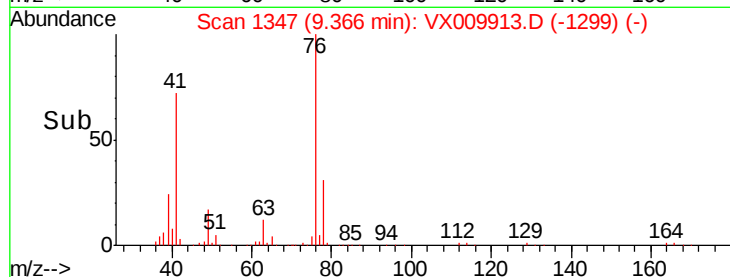
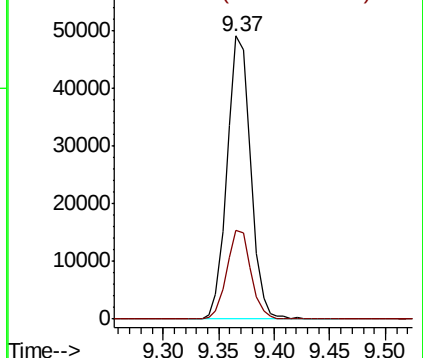
76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.709 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009913.D

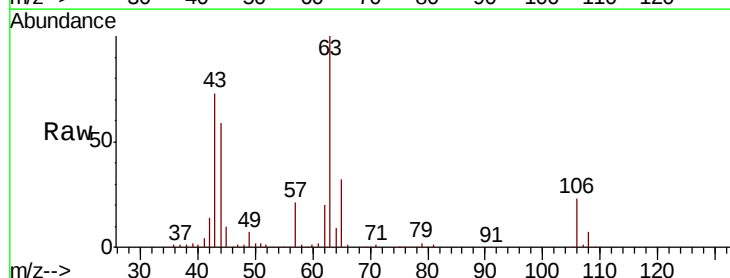
Acq: 28 May 2019 14:36

Tgt Ion: 63 Resp: 179175

Ion Ratio Lower Upper

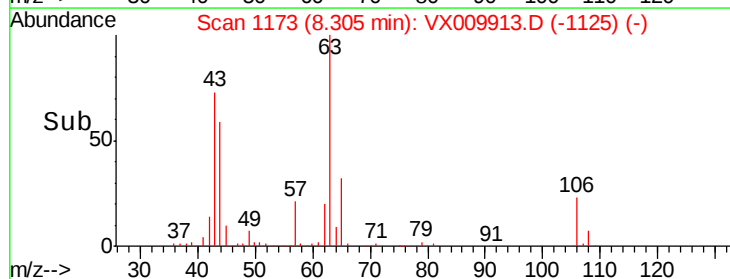
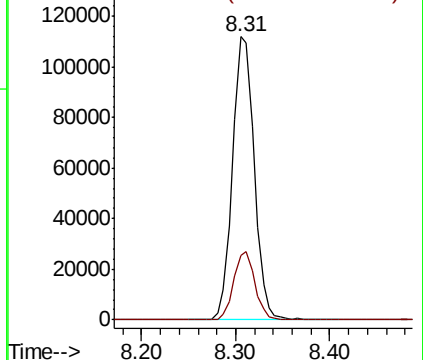
63 100

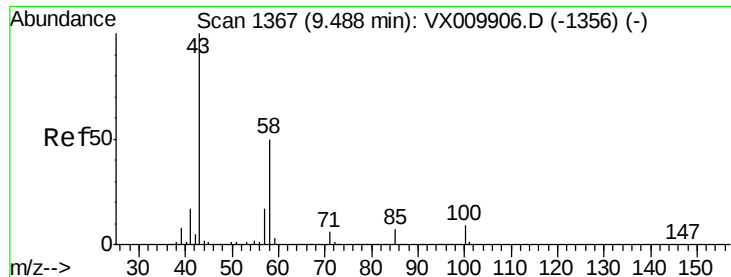
106 23.7 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

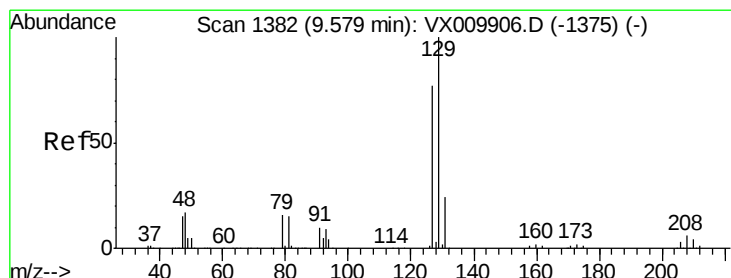
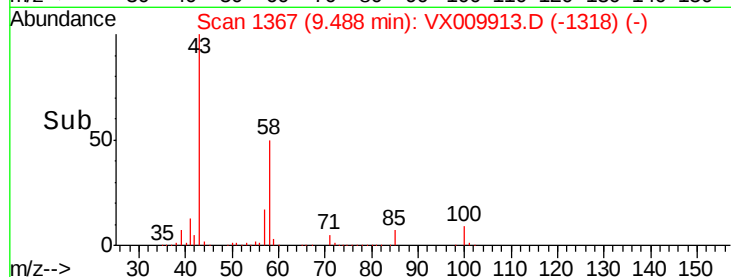
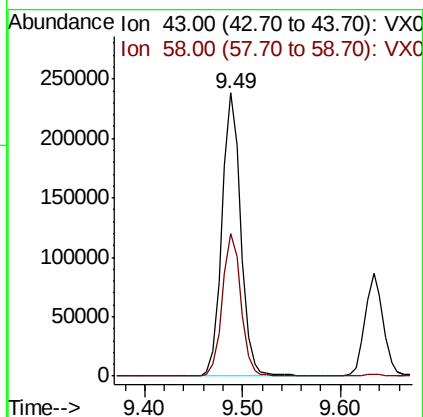
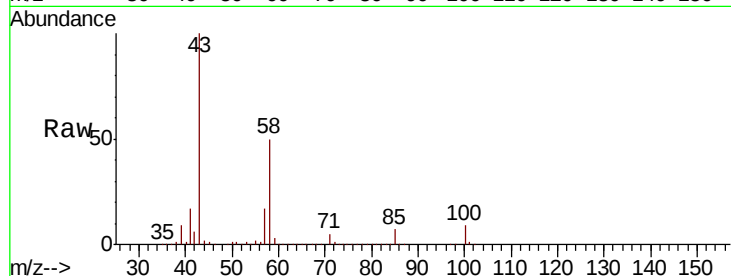




#59
2-Hexanone
Concen: 100.609 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

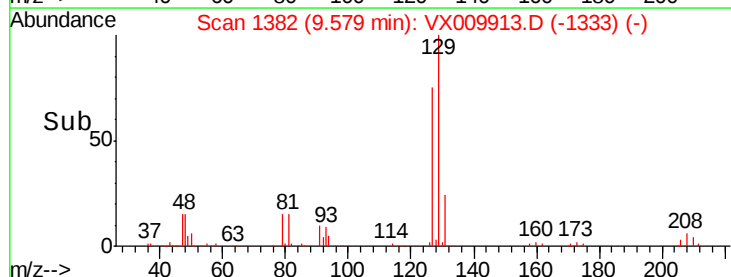
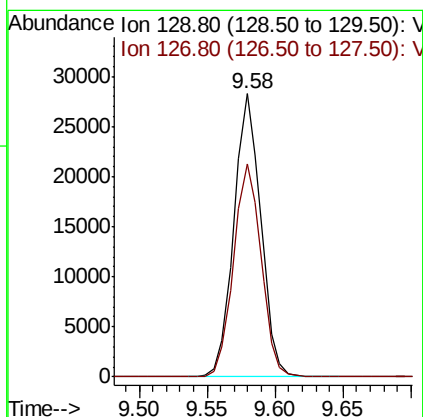
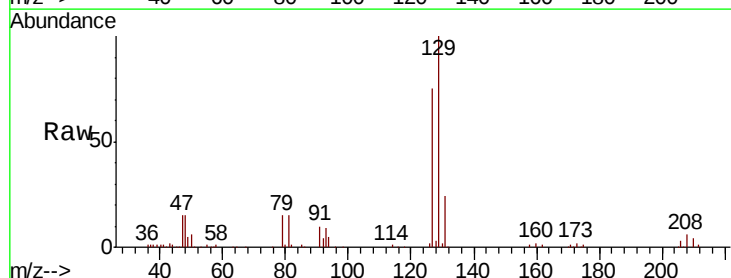
Instrument :
MSVOA_X
ClientSampled :
VX0528WBS01

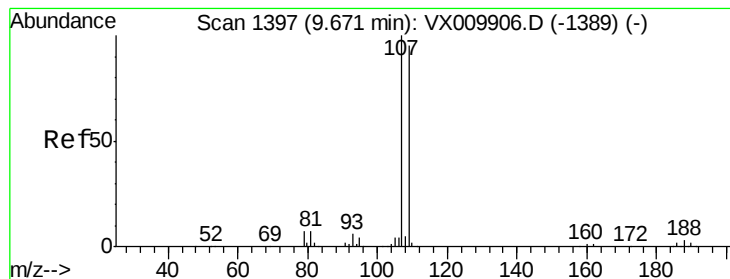
Tot Ion: 43 Resp: 316687
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3



#60
Dibromochloromethane
Concen: 19.609 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 129 Resp: 39090
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.606 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

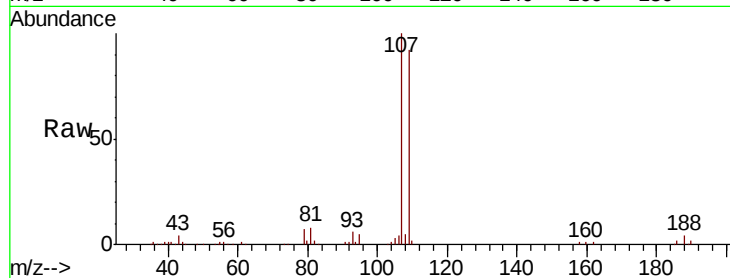
VX0528WBS01

Tot Ion:107 Resp: 40818

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

25000

20000

15000

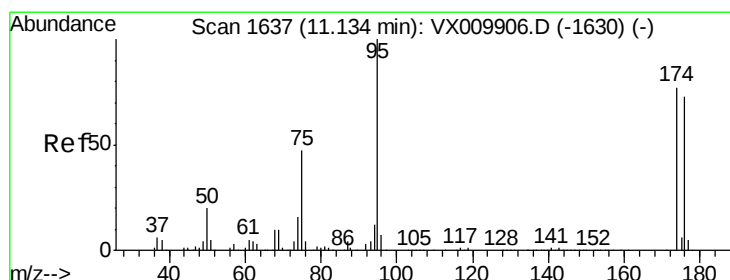
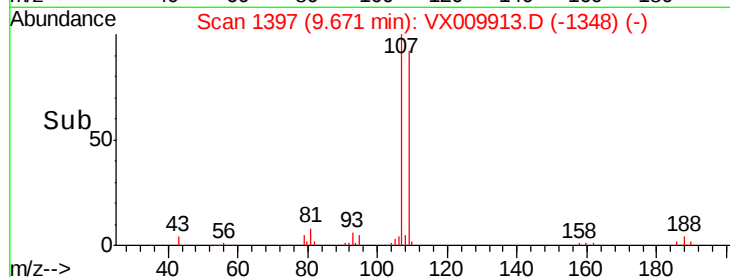
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

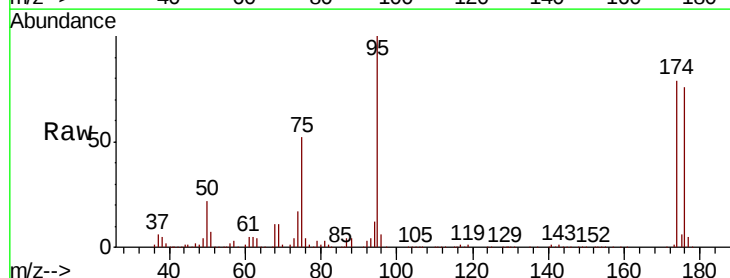
Tgt Ion: 95 Resp: 125887

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.4

176 78.6 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

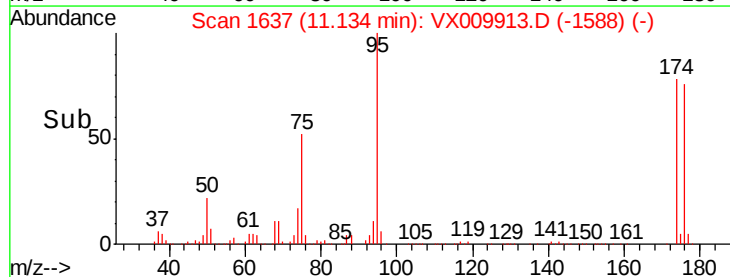
100000

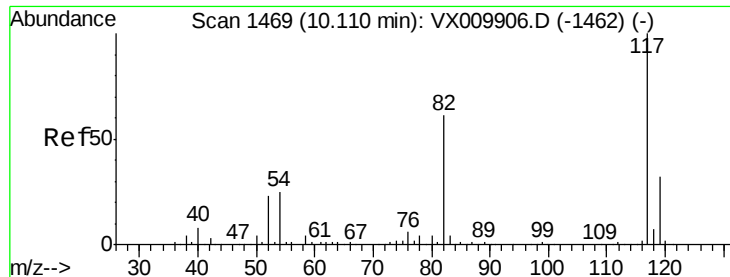
50000

0

Time-->

11.10 11.20

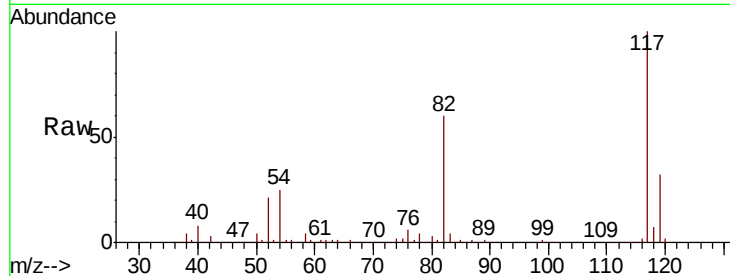




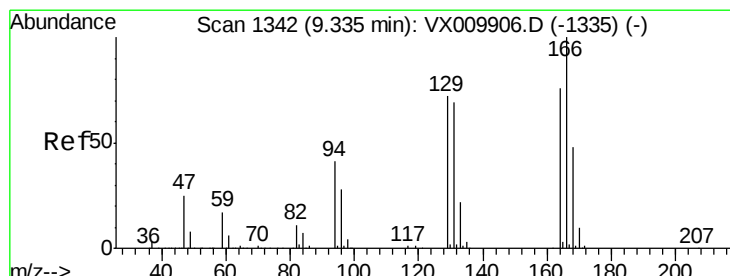
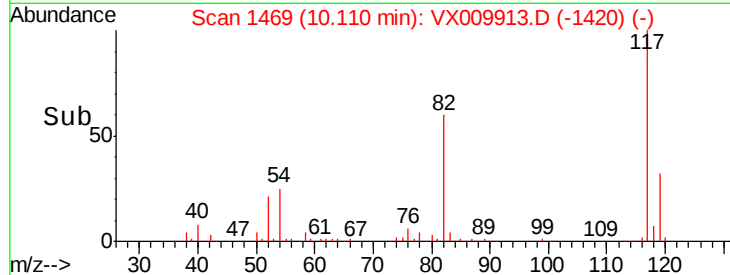
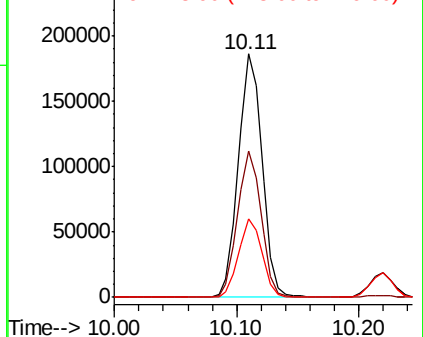
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:117 Resp: 249652
Ion Ratio Lower Upper
117 100
82 60.1 49.2 73.8
119 32.2 25.2 37.8



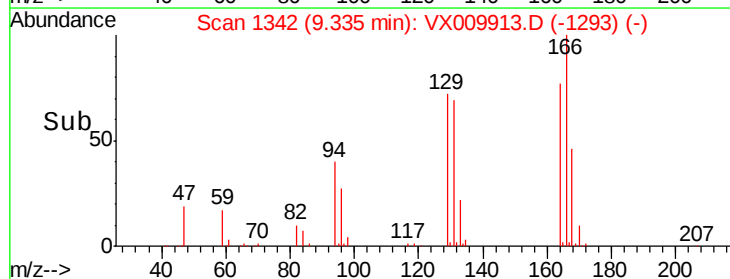
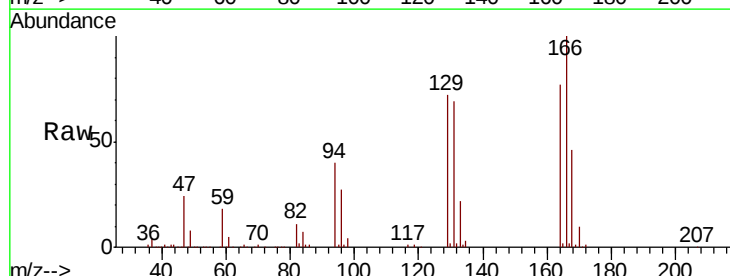
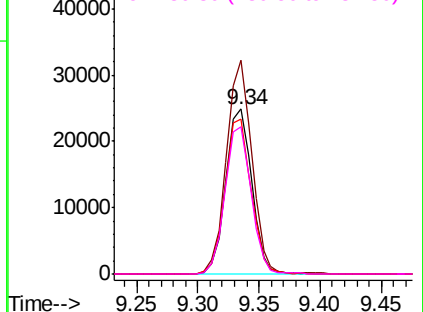
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

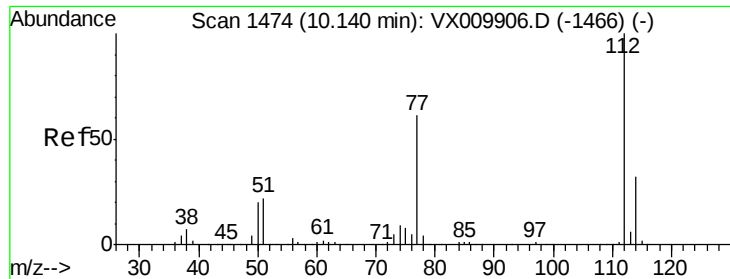


#64
Tetrachloroethene
Concen: 21.002 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:164 Resp: 36623
Ion Ratio Lower Upper
164 100
166 129.5 105.0 157.4
129 93.8 75.1 112.7
131 89.5 72.2 108.4

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

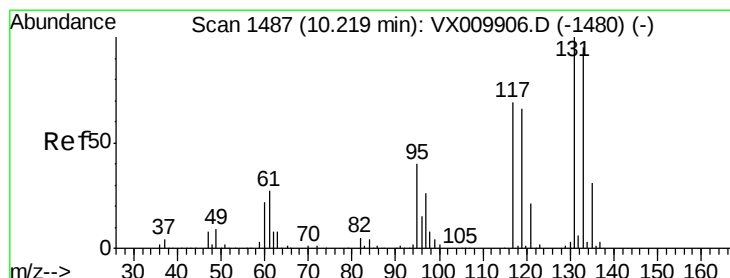
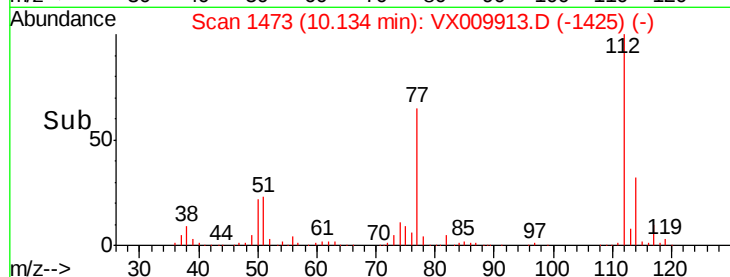
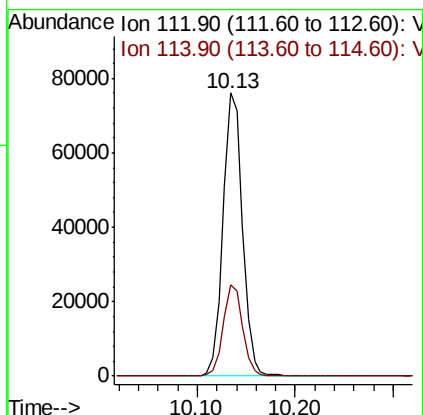
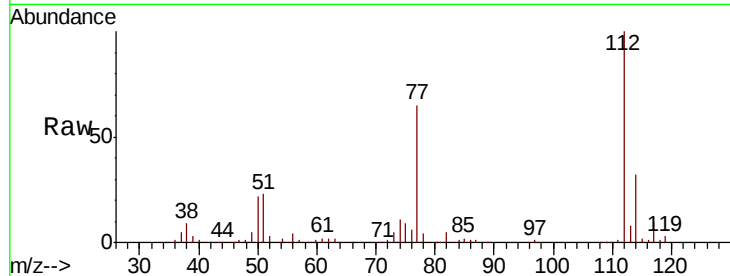




#65
Chlorobenzene
Concen: 20.115 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

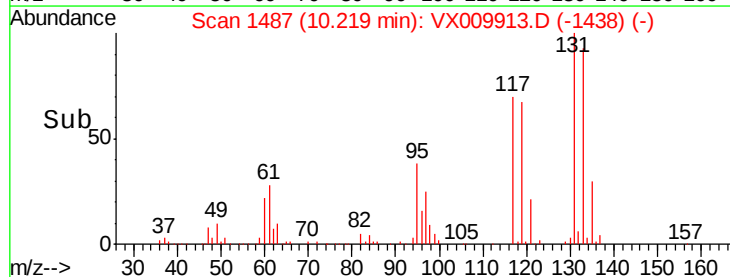
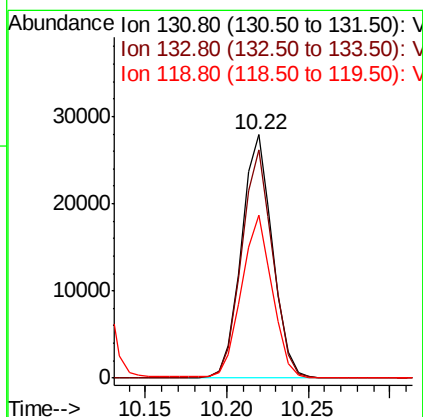
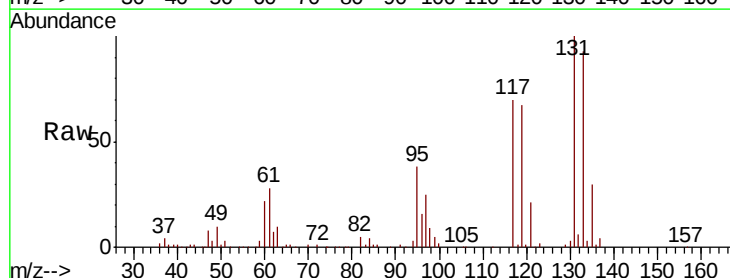
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

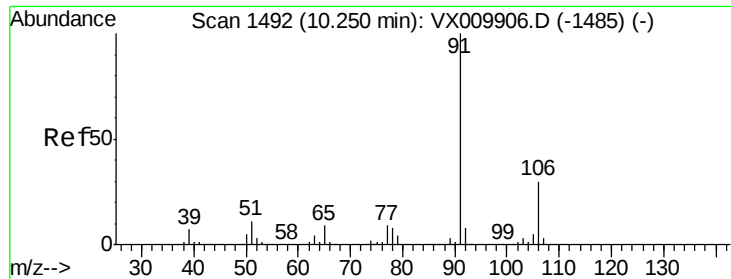
Tot Ion:112 Resp: 105131
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.420 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:131 Resp: 37016
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 20.906 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

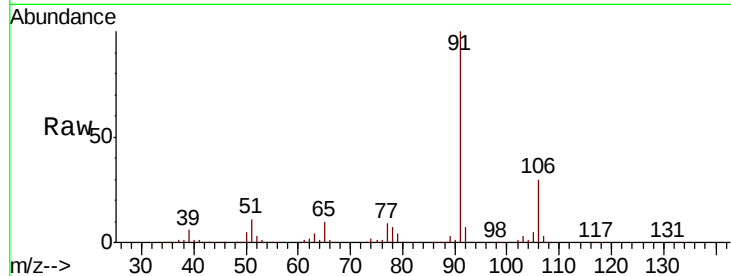
VX0528WBS01

Tot Ion: 91 Resp: 196190

Ion Ratio Lower Upper

91 100

106 29.6 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

100000

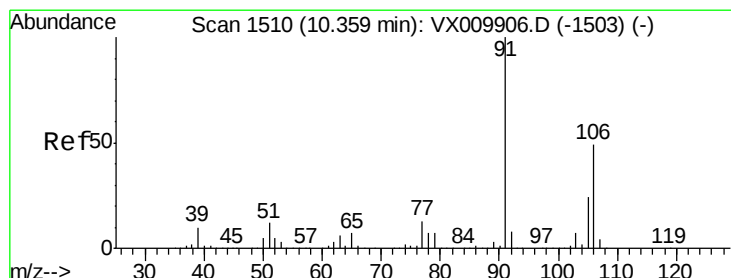
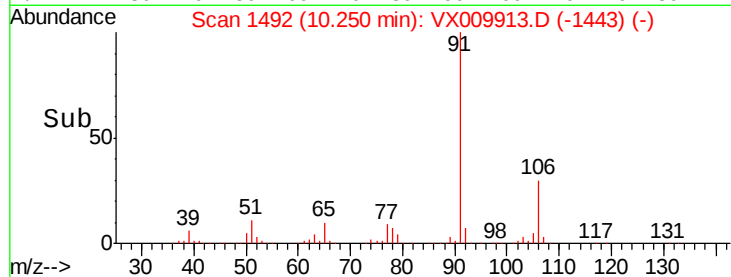
50000

0

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 41.131 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009913.D

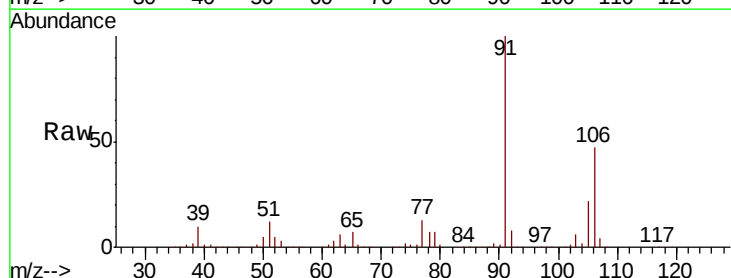
Acq: 28 May 2019 14:36

Tgt Ion: 106 Resp: 142596

Ion Ratio Lower Upper

106 100

91 209.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

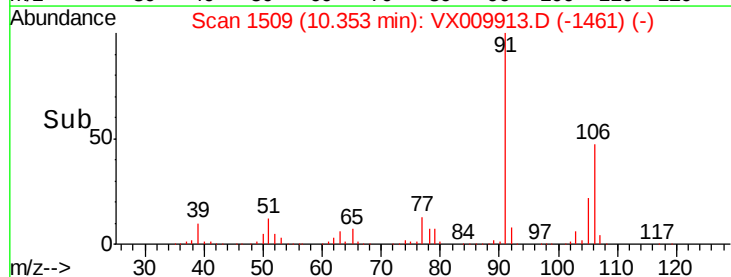
50000

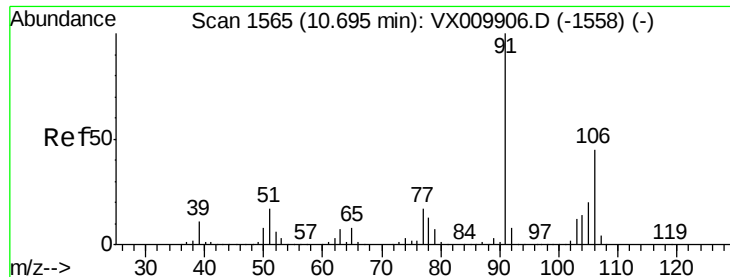
0

10.35

10.40

Time-->

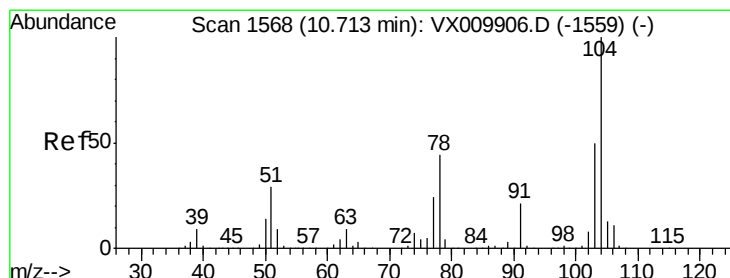
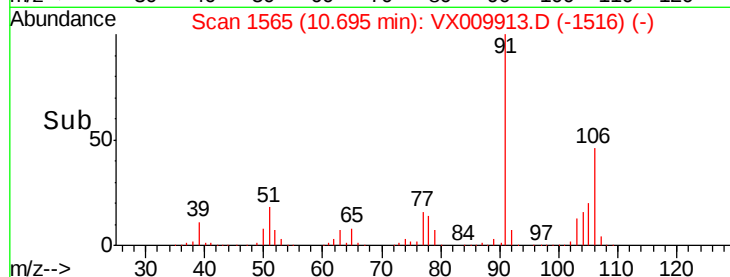
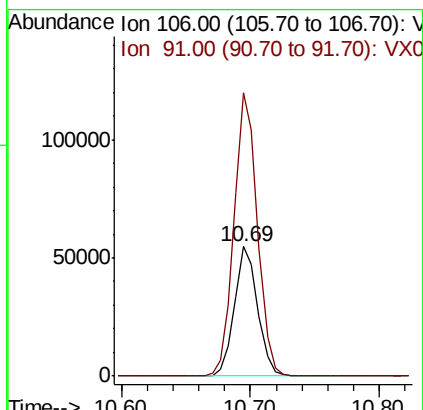
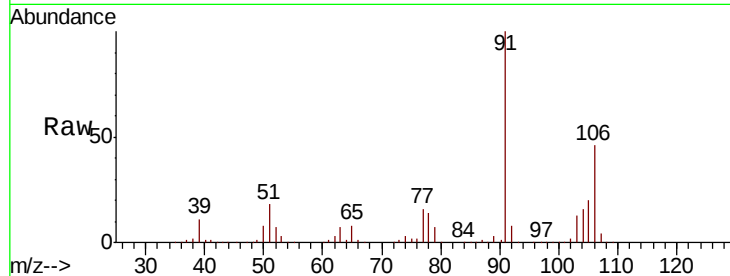




#69
o-Xylene
Concen: 20.715 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

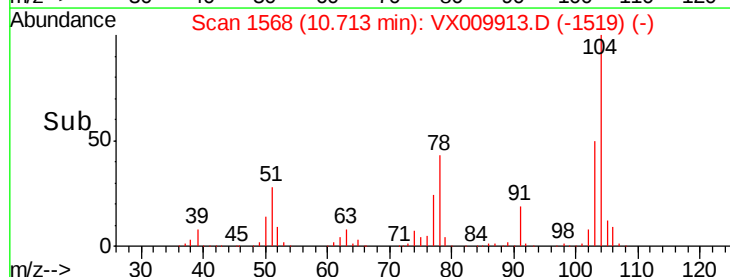
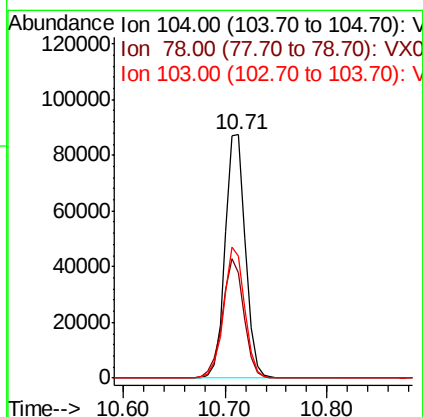
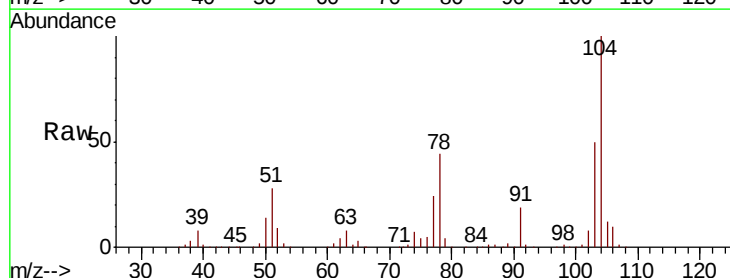
Instrument :
MSVOA_X
ClientSampled :
VX0528WBS01

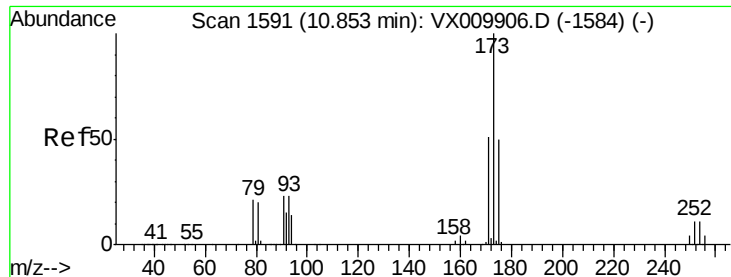
Tot Ion:106 Resp: 68876
Ion Ratio Lower Upper
106 100
91 220.6 110.4 331.2



#70
Styrene
Concen: 20.595 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:104 Resp: 120071
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.7 44.1 66.1





#71

Bromoform

Concen: 19.897 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

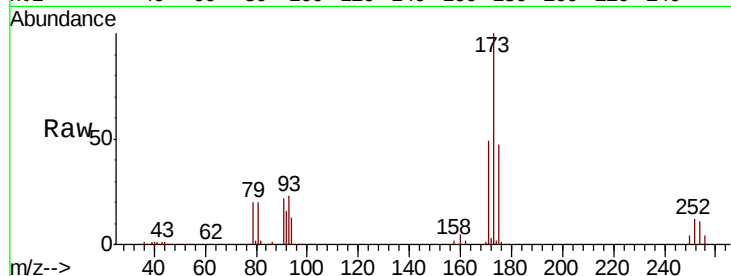
Tot Ion:173 Resp: 29483

Ion Ratio Lower Upper

173 100

175 48.2 25.0 75.0

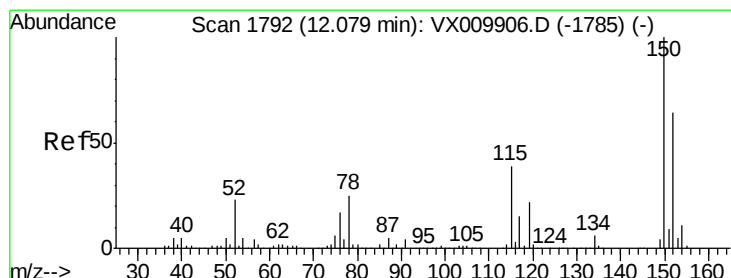
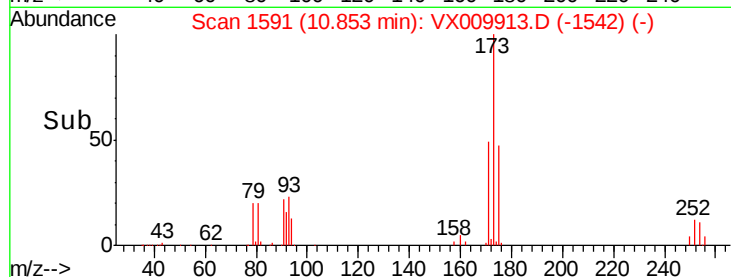
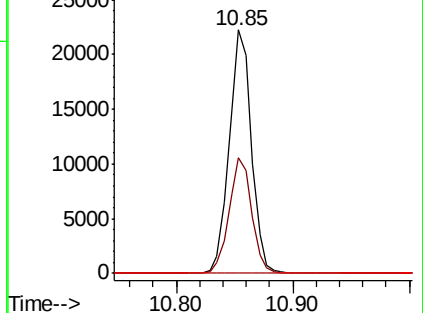
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

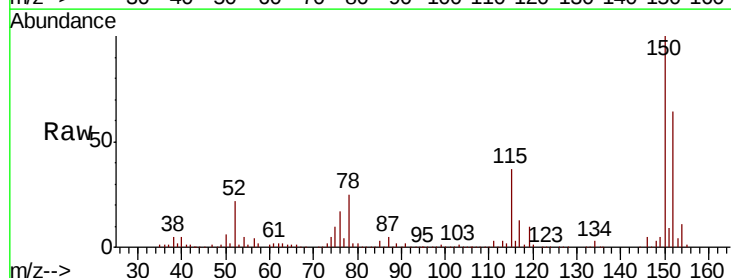
Tgt Ion:152 Resp: 122886

Ion Ratio Lower Upper

152 100

115 68.3 41.4 124.2

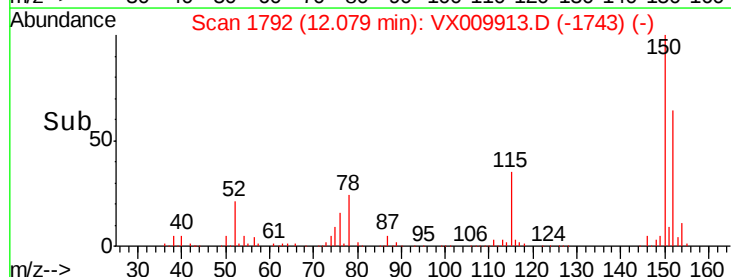
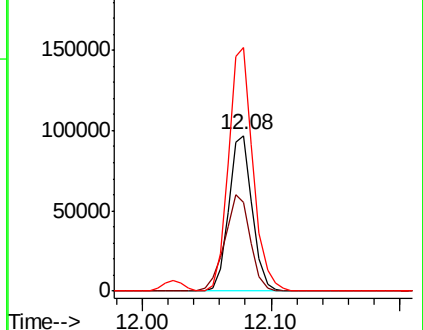
150 164.3 0.0 345.2

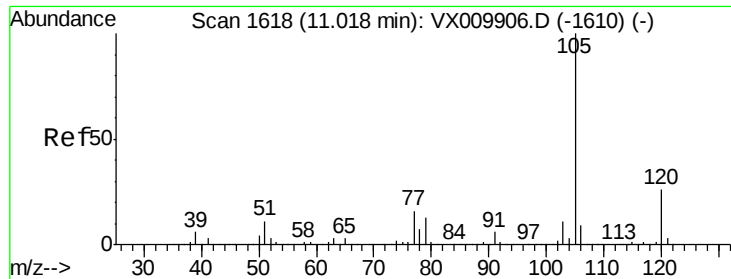


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.629 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

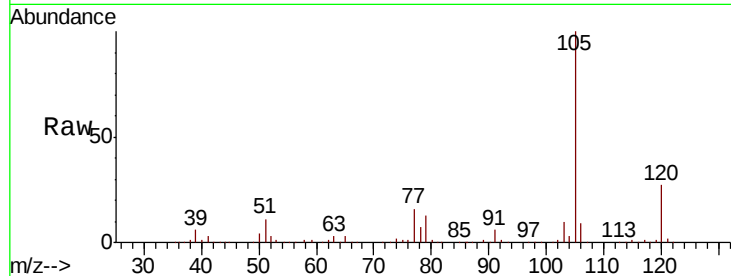
VX0528WBS01

Tot Ion:105 Resp: 187042

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

11.02

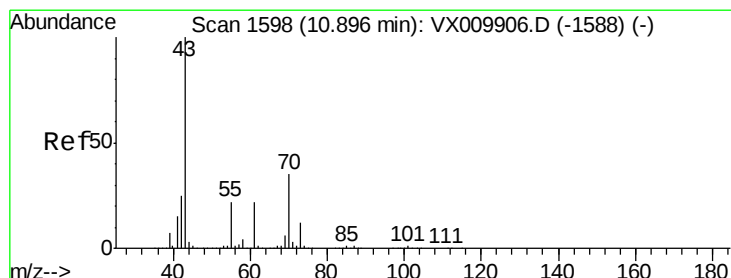
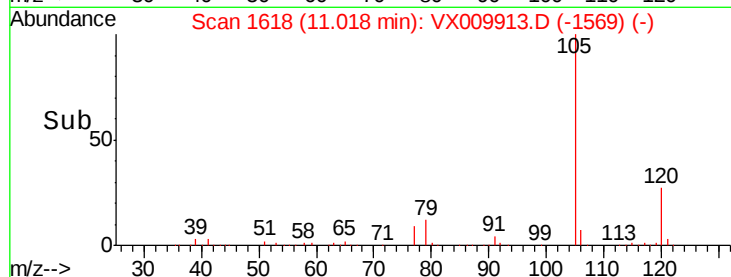
100000

50000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 20.299 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion: 43 Resp: 109976

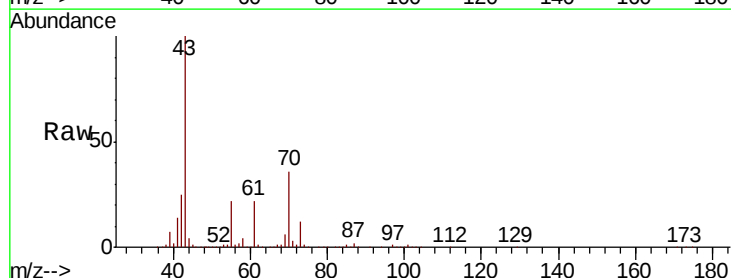
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 21.9 17.8 26.8

61 21.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

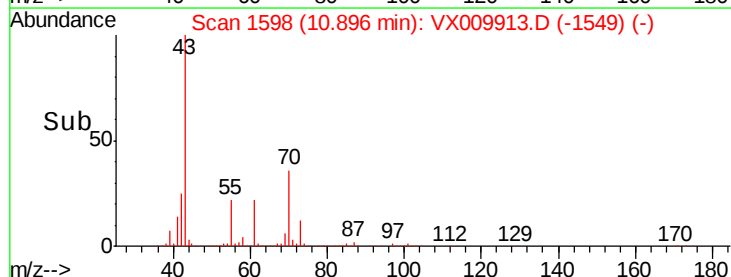
10.90

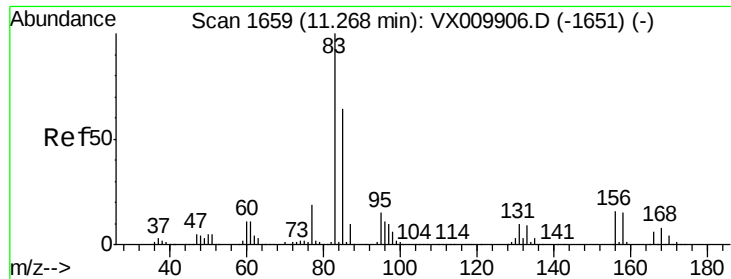
50000

0

Time-->

10.80 10.90 11.00

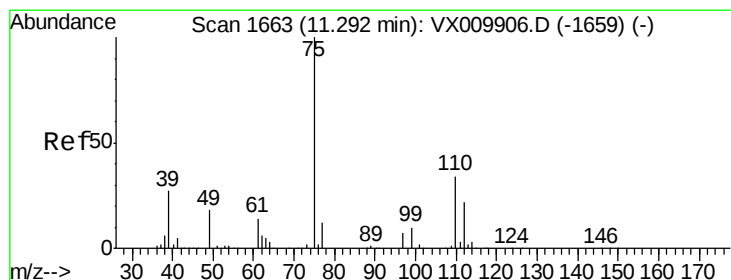
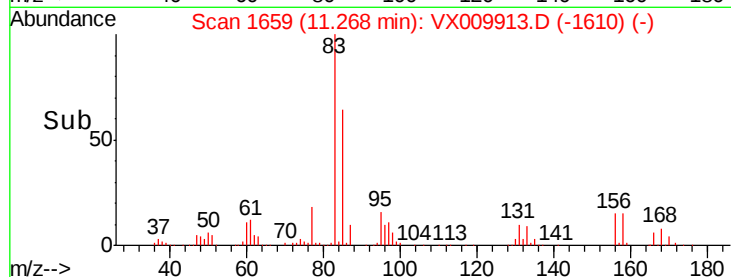
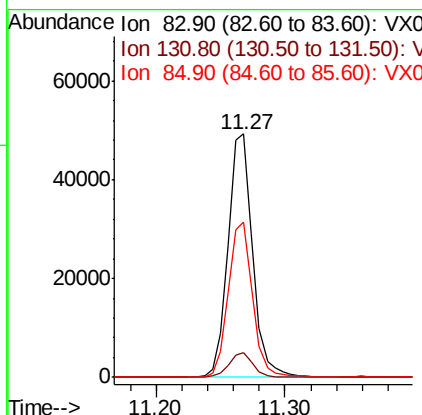
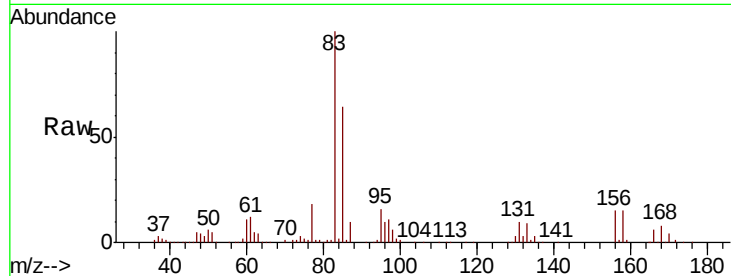




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.550 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

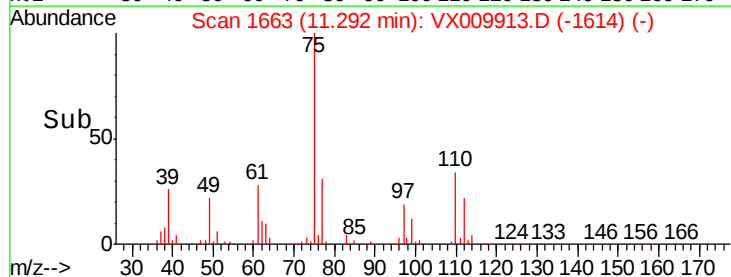
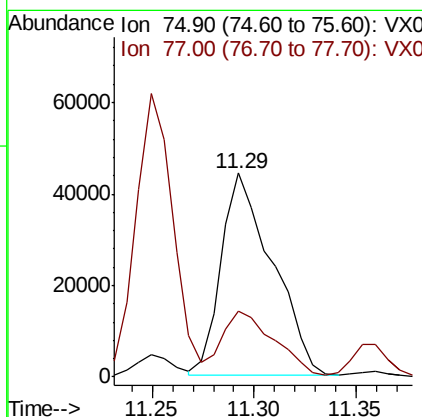
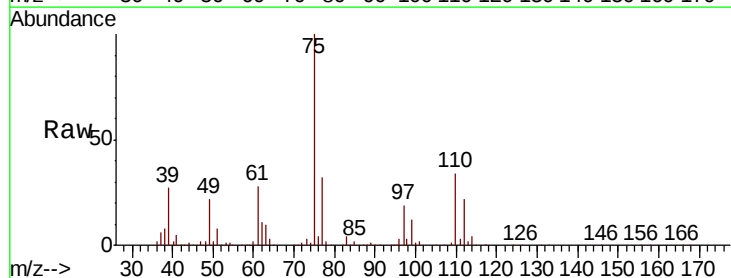
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

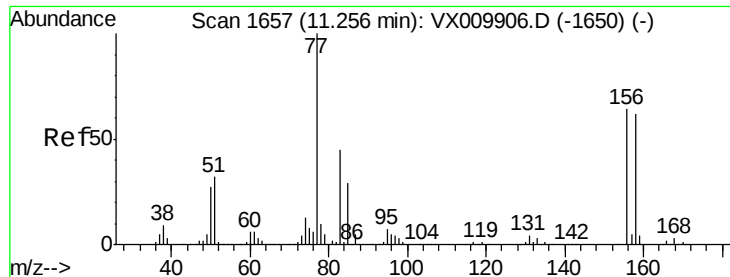
Tot Ion: 83 Resp: 66128
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.7 14.1
 85 63.4 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 26.250 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 75 Resp: 77137
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.1 66.1





#77

Bromobenzene

Concen: 19.496 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

VX0528WBS01

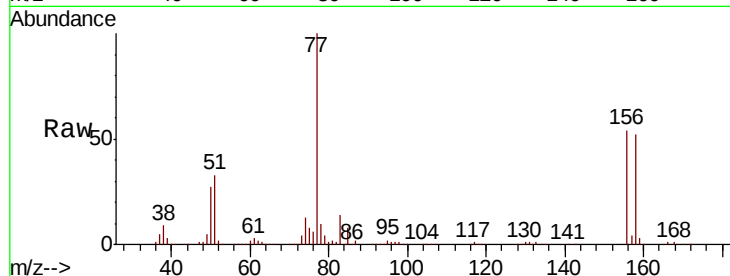
Tot Ion:156 Resp: 45048

Ion Ratio Lower Upper

156 100

77 174.2 86.8 260.3

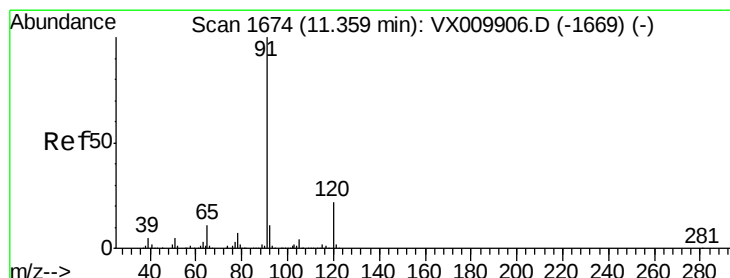
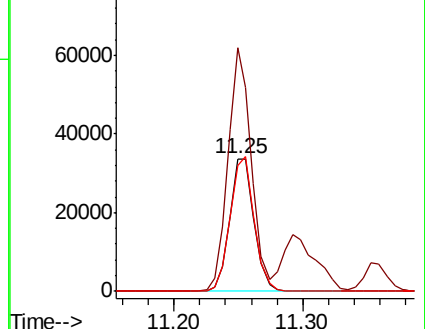
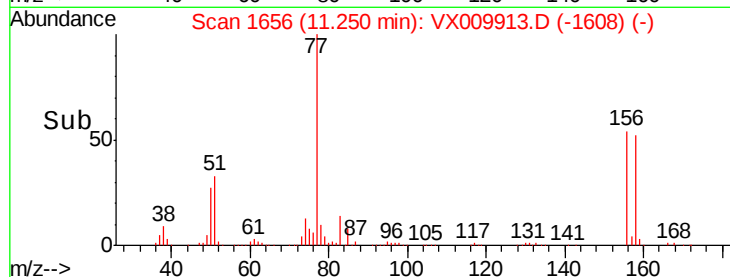
158 99.6 49.6 148.8



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: 20.688 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009913.D

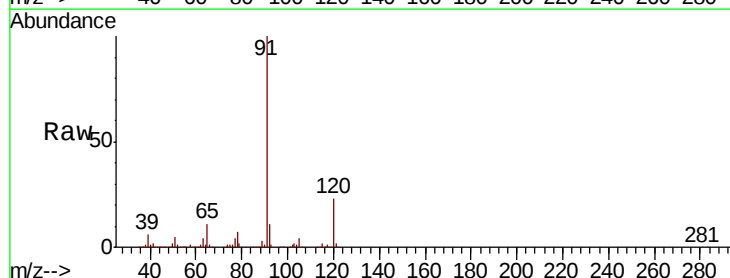
Acq: 28 May 2019 14:36

Tgt Ion: 91 Resp: 216208

Ion Ratio Lower Upper

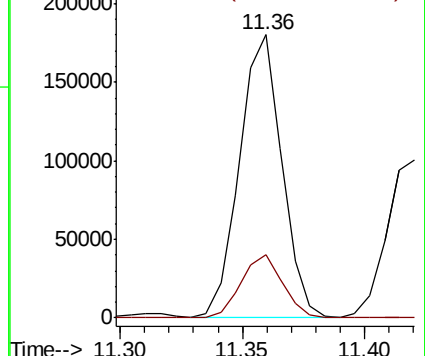
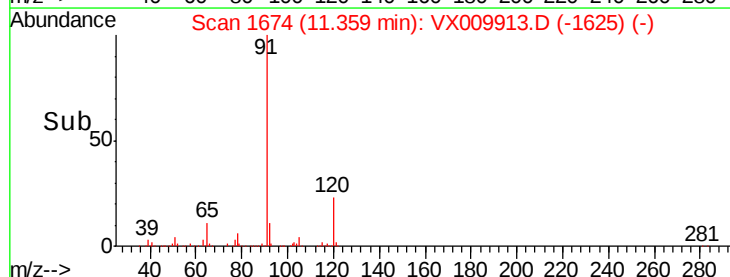
91 100

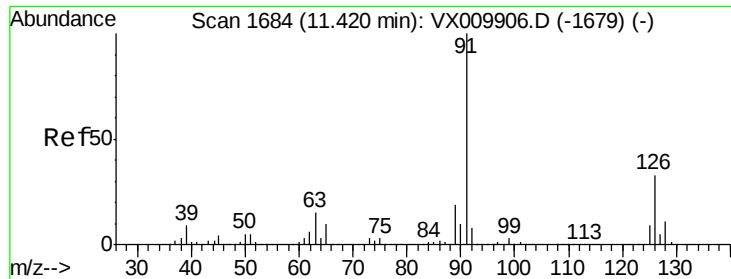
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.118 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

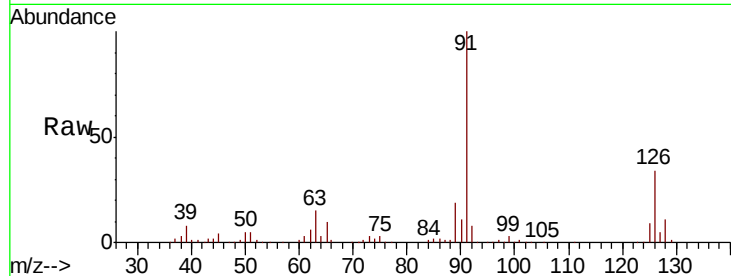
VX0528WBS01

Tot Ion: 91 Resp: 128456

Ion Ratio Lower Upper

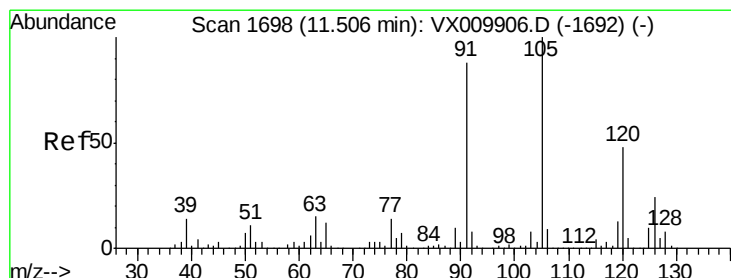
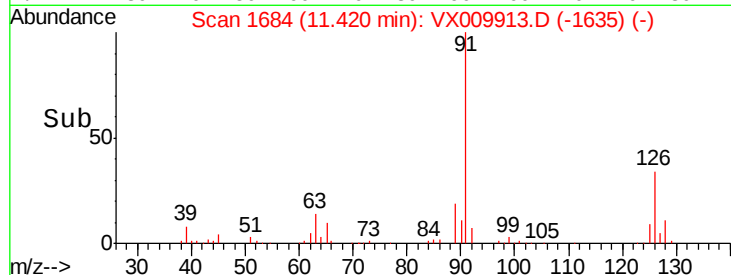
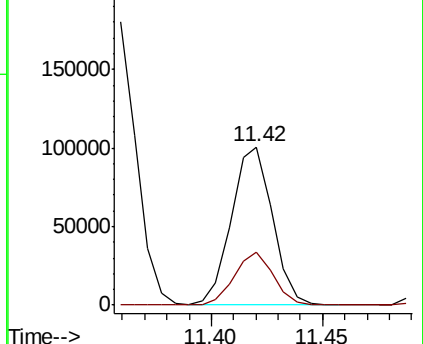
91 100

126 32.4 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.524 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009913.D

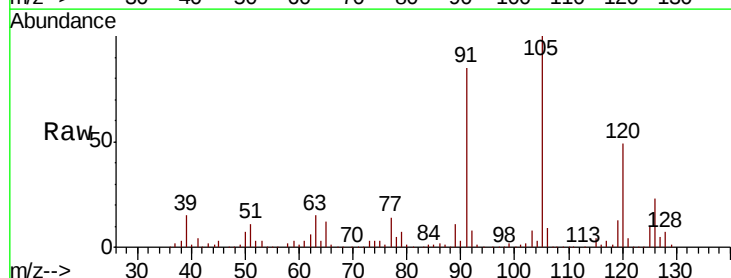
Acq: 28 May 2019 14:36

Tgt Ion:105 Resp: 156773

Ion Ratio Lower Upper

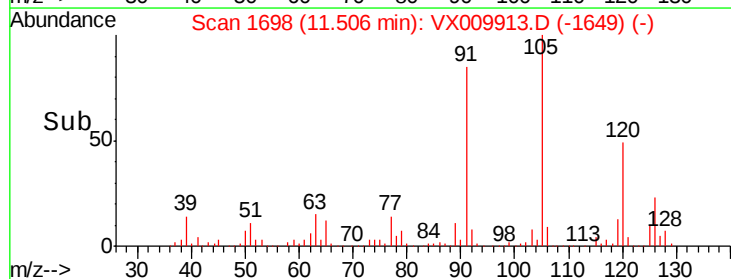
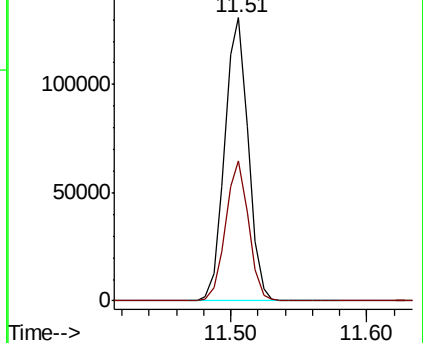
105 100

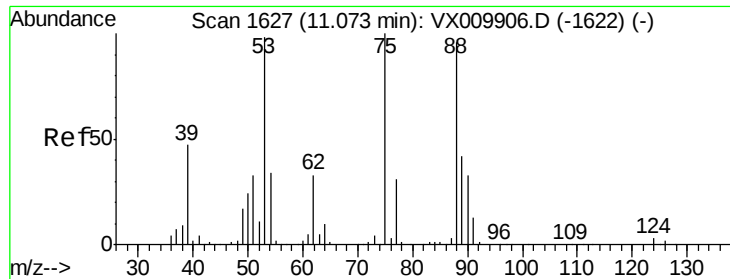
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.469 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

VX0528WBS01

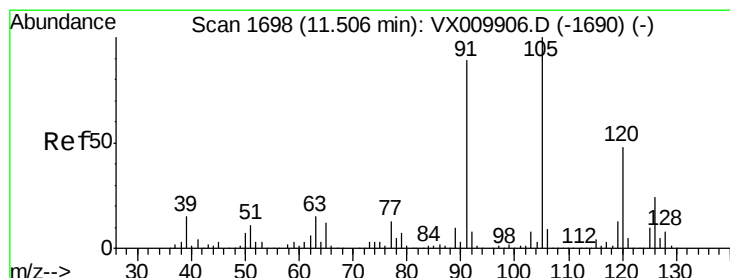
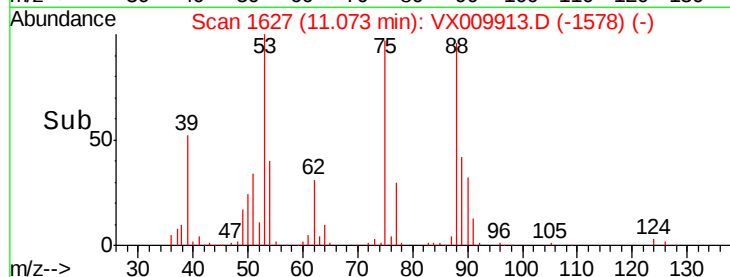
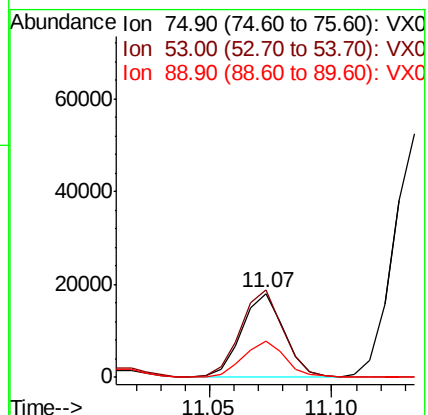
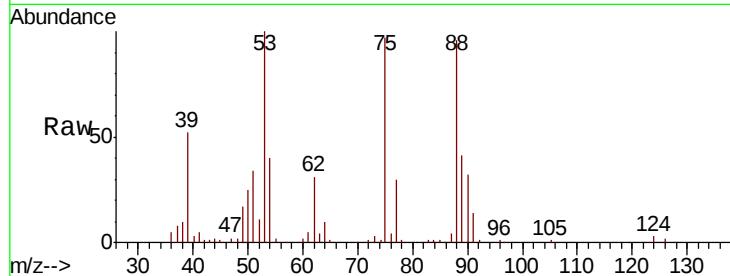
Tot Ion: 75 Resp: 21936

Ion Ratio Lower Upper

75 100

53 103.8 79.8 119.6

89 43.1 34.2 51.4



#82

4-Chlorotoluene

Concen: 19.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009913.D

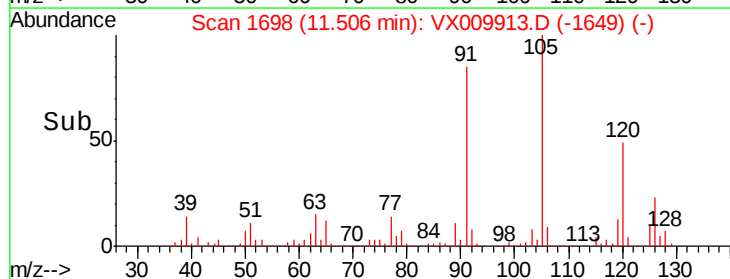
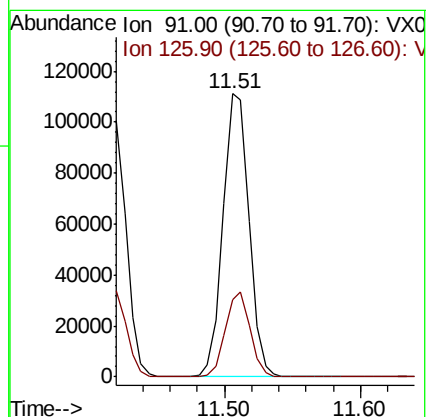
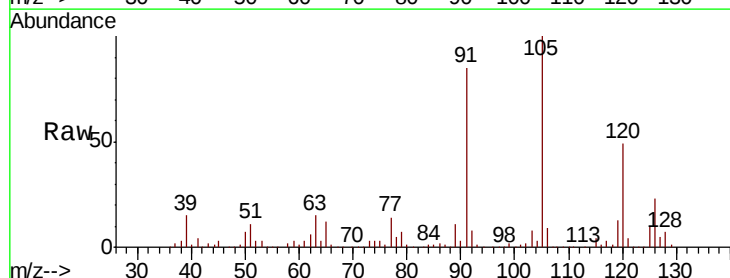
Acq: 28 May 2019 14:36

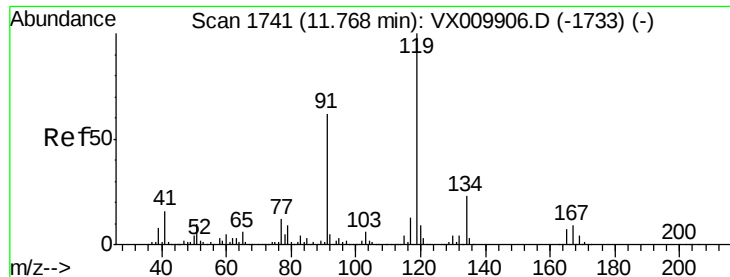
Tgt Ion: 91 Resp: 146901

Ion Ratio Lower Upper

91 100

126 28.8 14.2 42.6

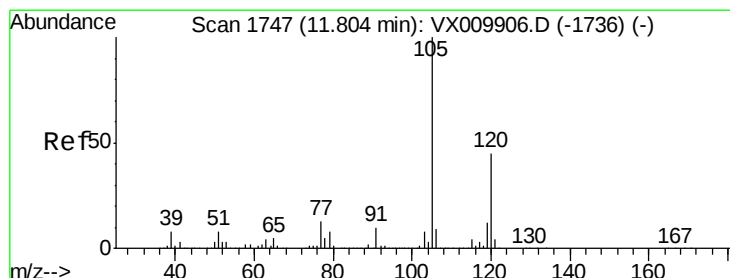
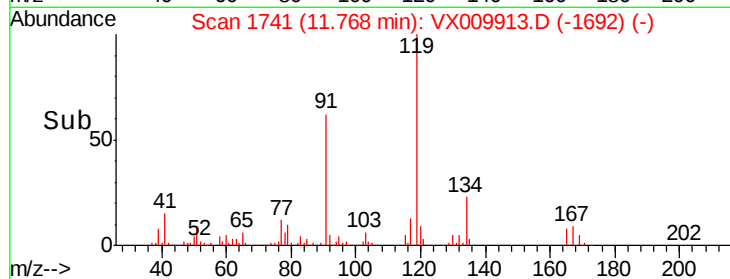
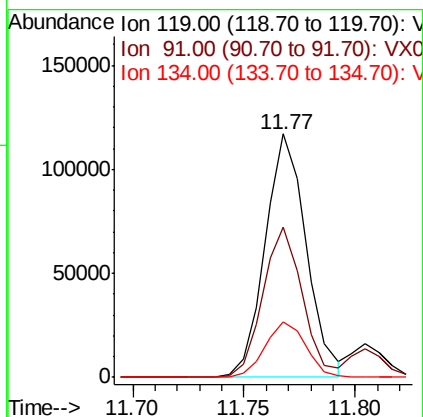
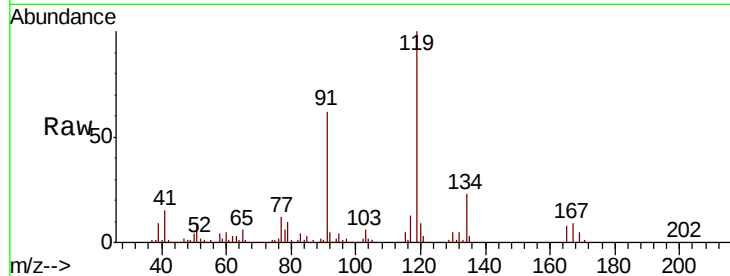




#83
tert-Butylbenzene
Concen: 20.494 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

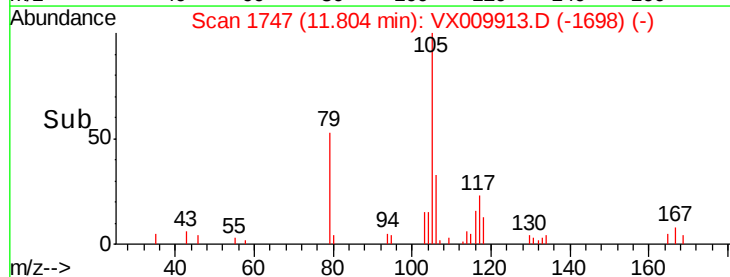
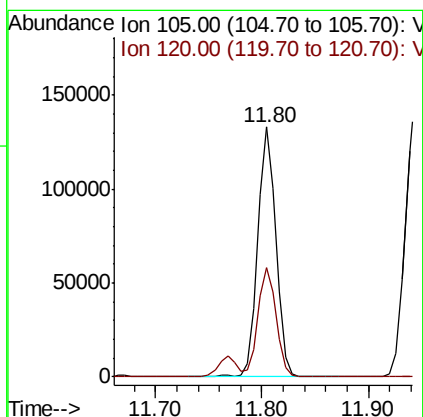
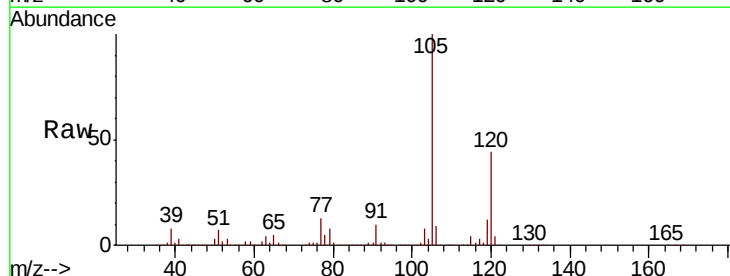
Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

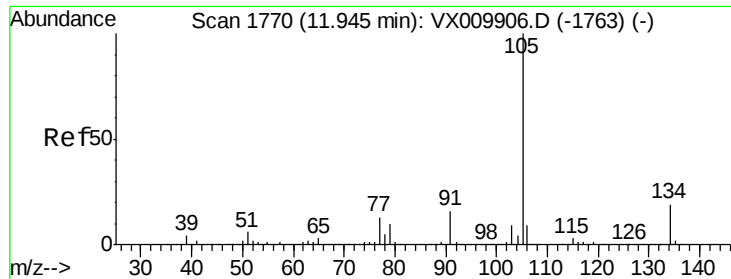
Tot Ion:119 Resp: 149766
Ion Ratio Lower Upper
119 100
91 59.9 30.0 90.0
134 22.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.595 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:105 Resp: 159757
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1





#85

sec-Butylbenzene

Concen: 20.925 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

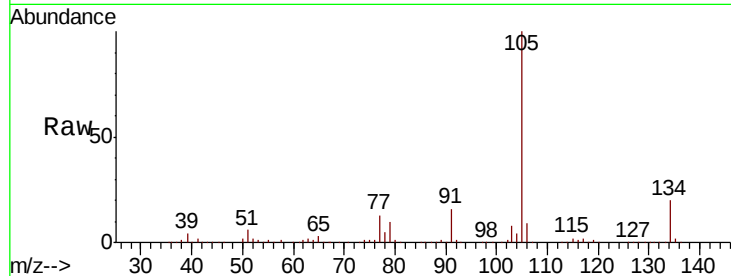
VX0528WBS01

Tot Ion:105 Resp: 181920

Ion Ratio Lower Upper

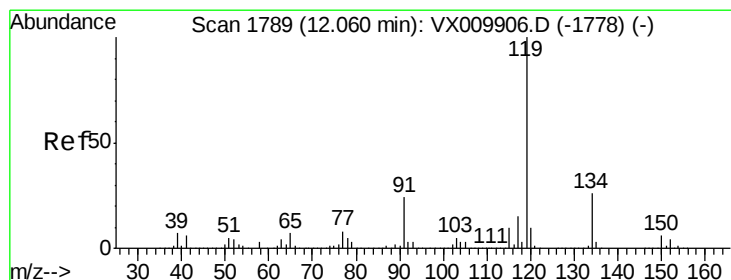
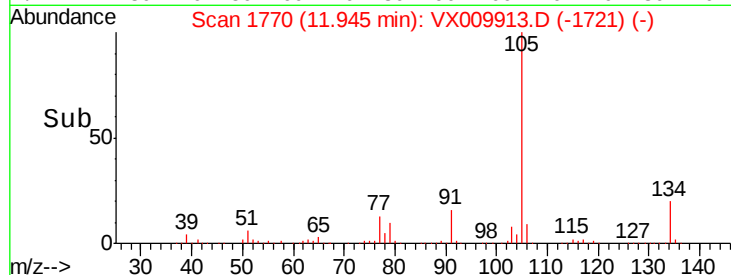
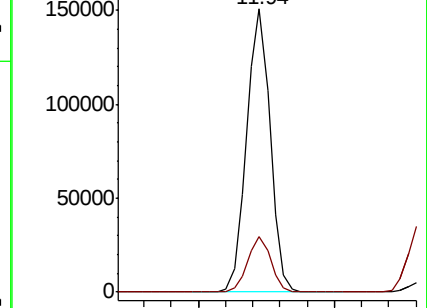
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.114 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

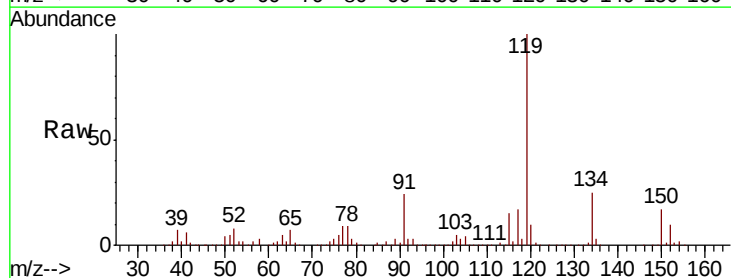
Tgt Ion:119 Resp: 165104

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

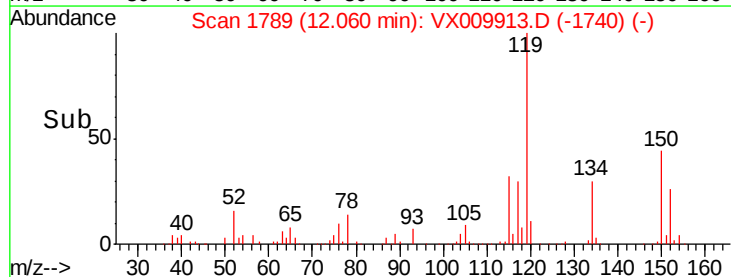
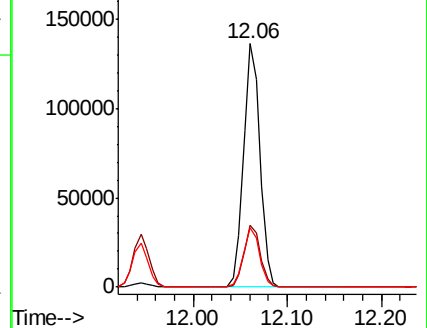
91 24.1 11.9 35.9

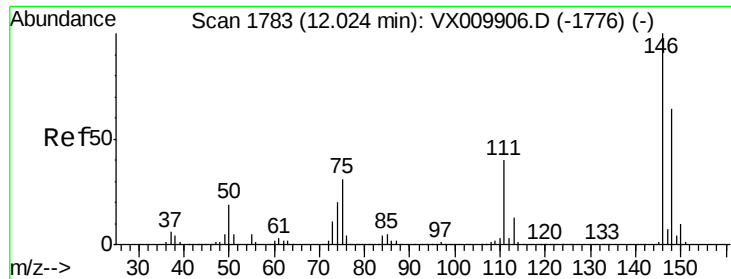


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

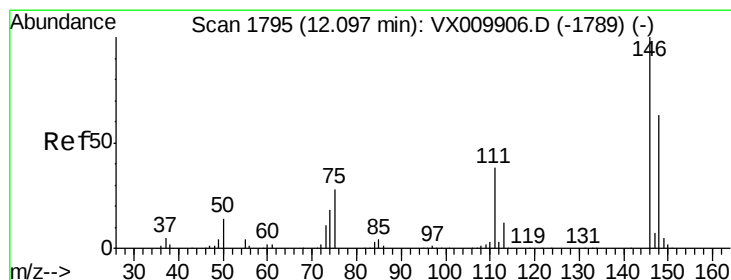
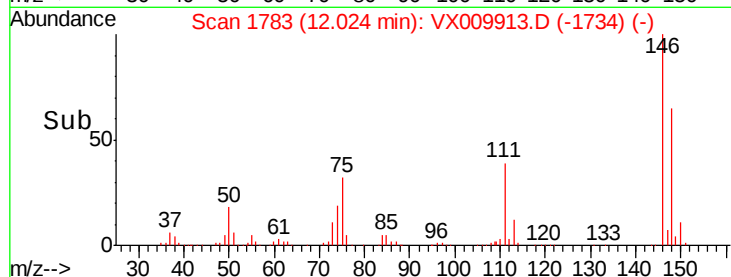
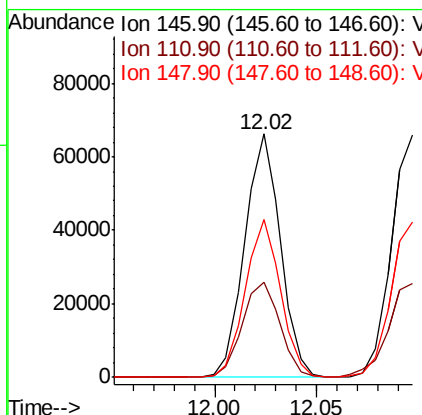
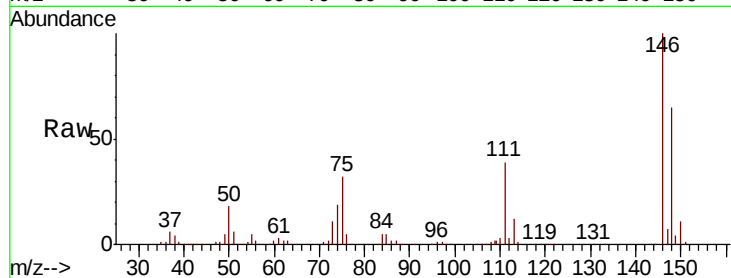




#87
 1,3-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

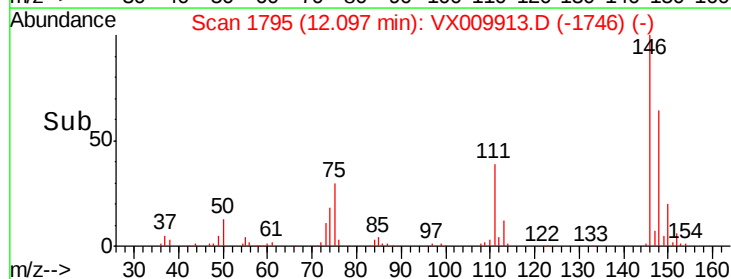
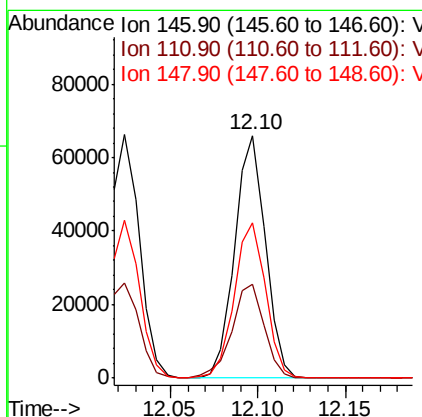
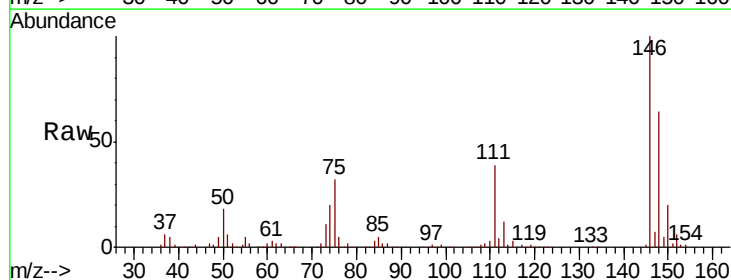
Instrument :
 MSVOA_X
 ClientSampled :
 VX0528WBS01

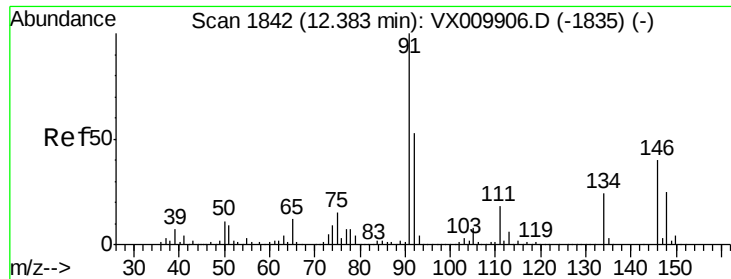
Tot Ion:146 Resp: 80540
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.1 60.2
 148 64.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.279 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion:146 Resp: 80882
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.0 59.9
 148 65.5 32.3 96.9





#89

n-Butylbenzene

Concen: 20.843 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

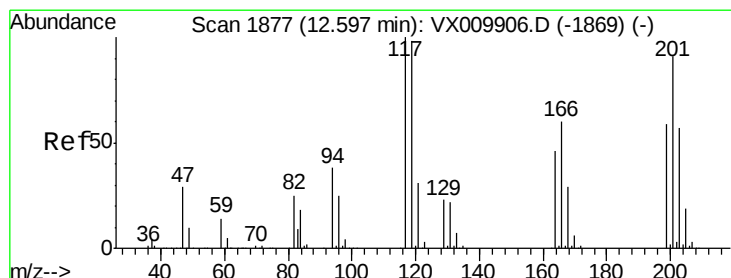
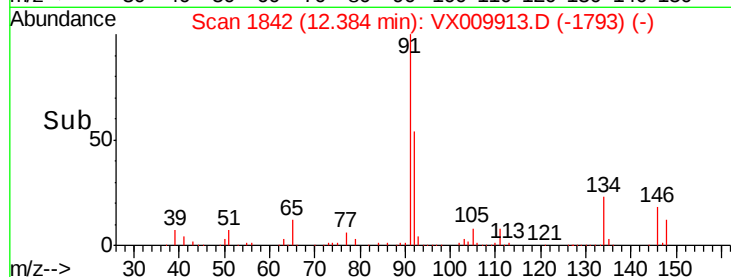
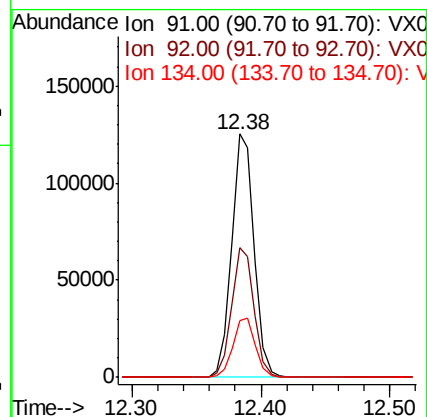
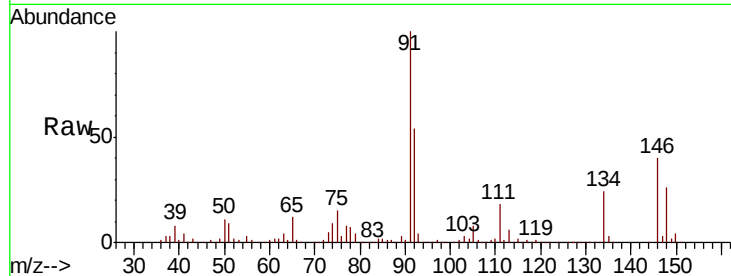
Tot Ion: 91 Resp: 153177

Ion Ratio Lower Upper

91 100

92 53.2 26.3 78.8

134 24.4 12.3 36.8



#90

Hexachloroethane

Concen: 20.243 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009913.D

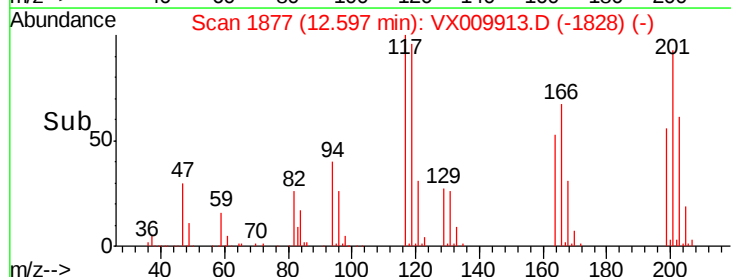
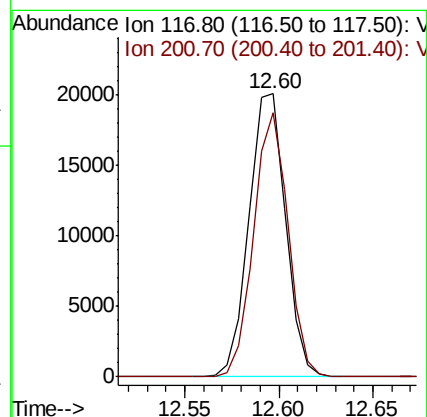
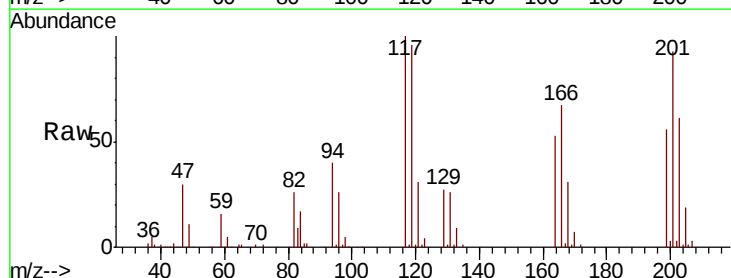
Acq: 28 May 2019 14:36

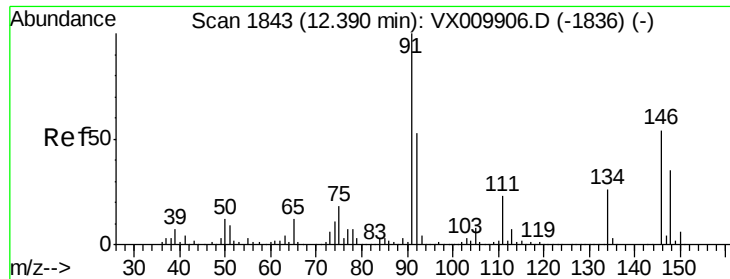
Tgt Ion: 117 Resp: 27166

Ion Ratio Lower Upper

117 100

201 87.2 43.6 130.9

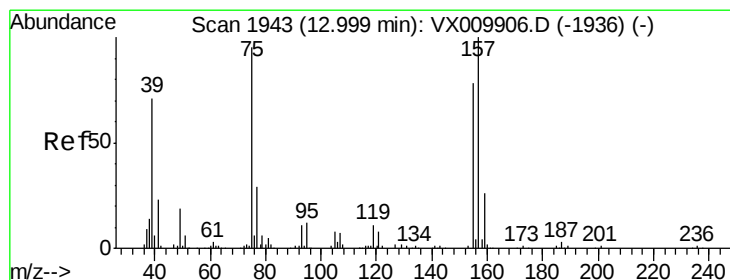
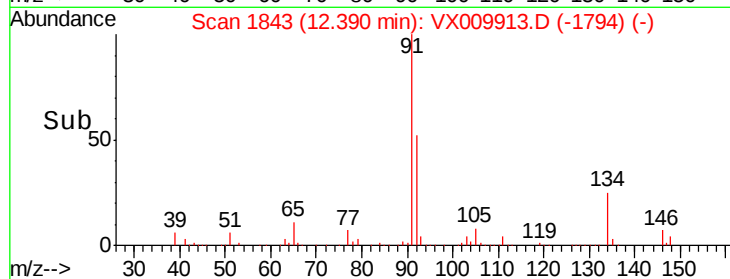
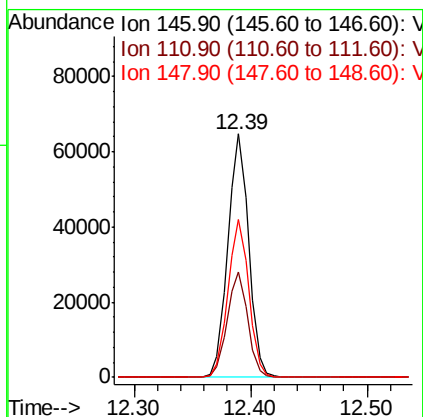
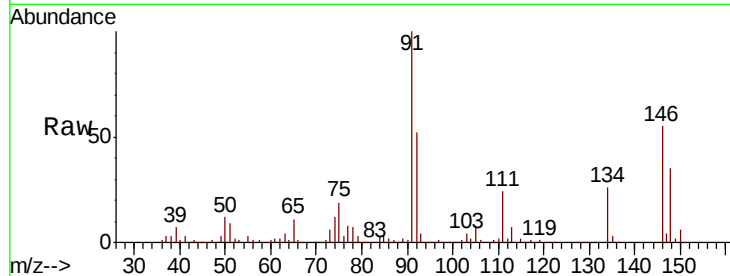




#91
 1,2-Dichlorobenzene
 Concen: 19.874 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

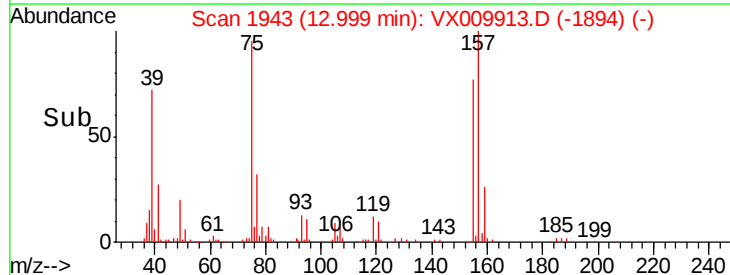
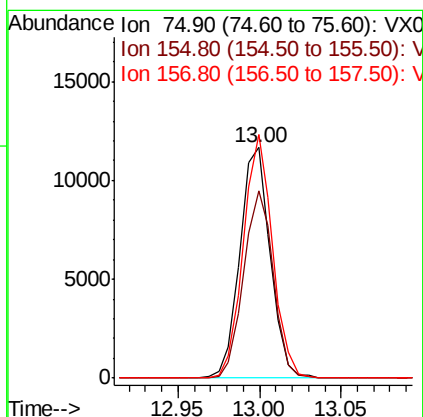
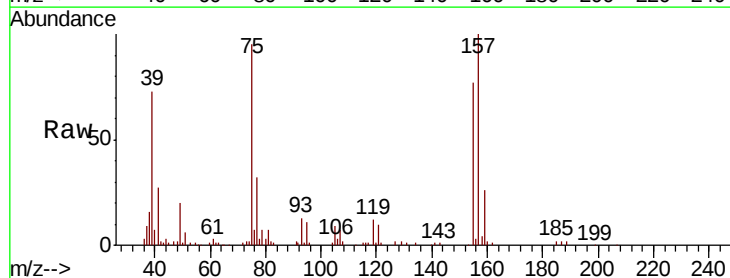
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

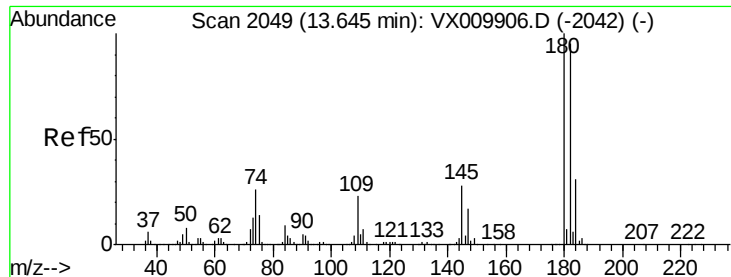
Tot Ion:146 Resp: 80604
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.1
 148 64.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.060 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 75 Resp: 15176
 Ion Ratio Lower Upper
 75 100
 155 79.0 39.3 117.8
 157 100.8 50.6 151.8

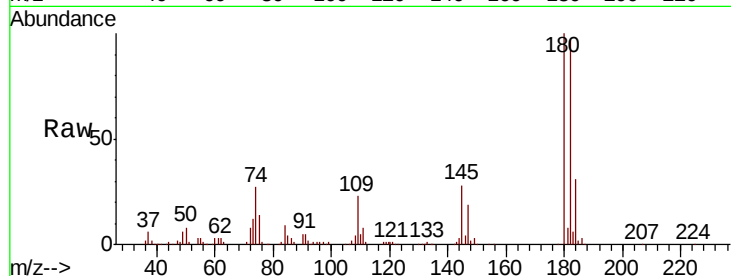




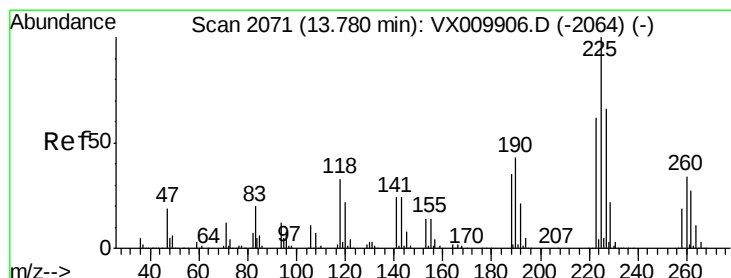
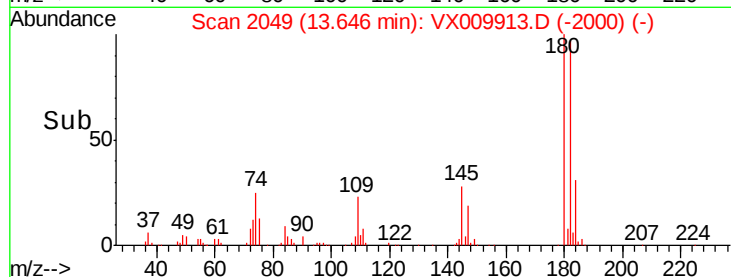
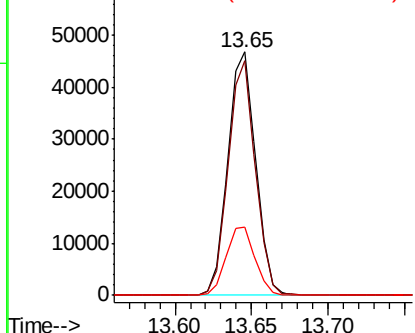
#93
 1,2,4-Trichlorobenzene
 Concen: 20.283 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion:180 Resp: 58786
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.4 142.2
 145 29.1 14.5 43.5

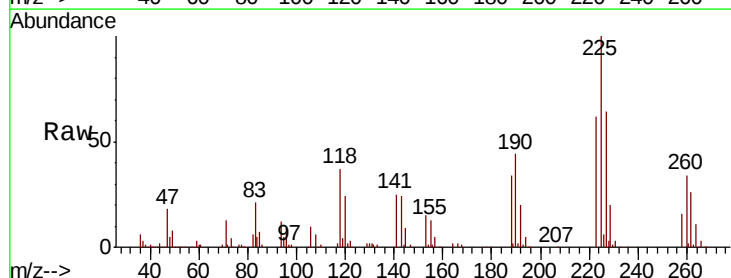


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

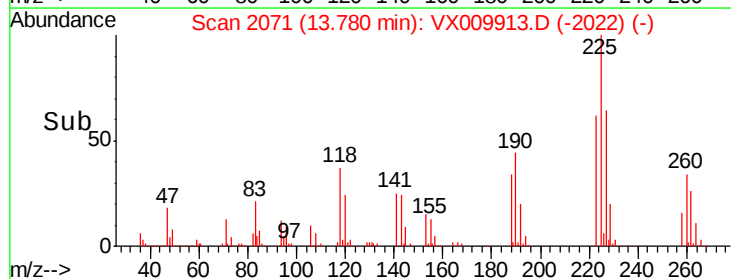
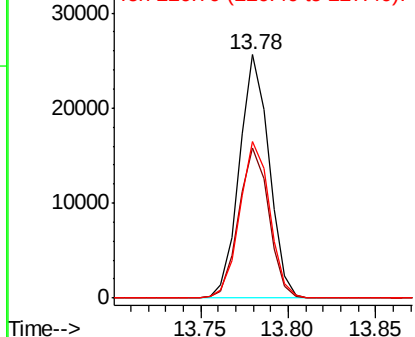


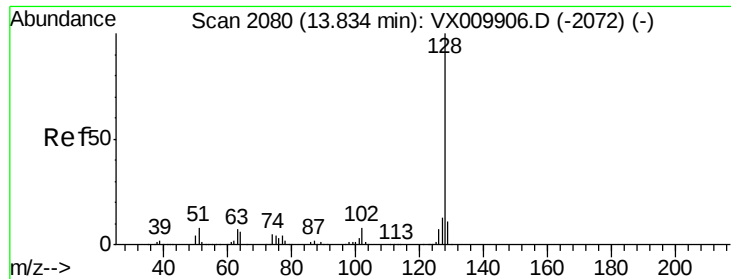
#94
 Hexachlorobutadiene
 Concen: 20.821 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion:225 Resp: 30268
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.3 93.8
 227 64.6 32.3 96.8



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

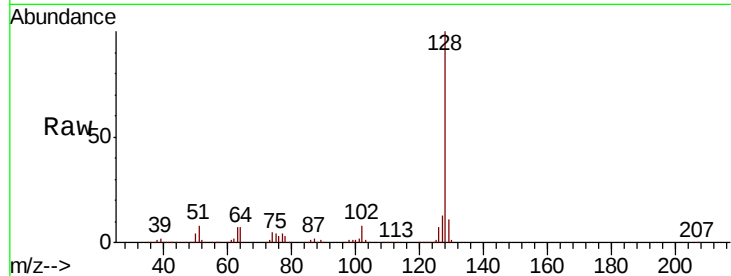




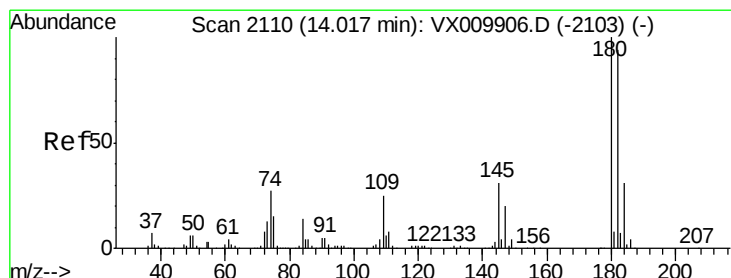
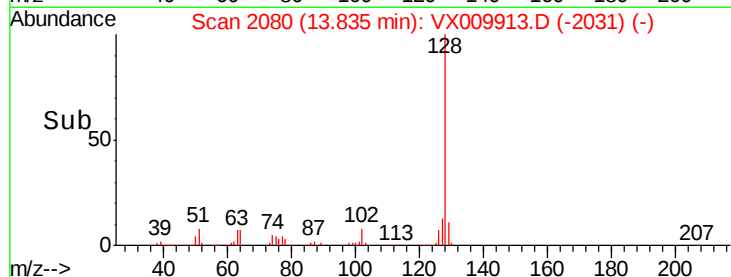
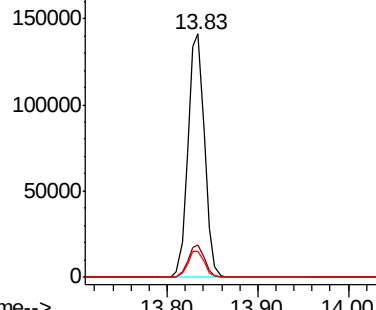
#95
Naphthalene
Concen: 19.995 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:128 Resp: 180346
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.8 13.2

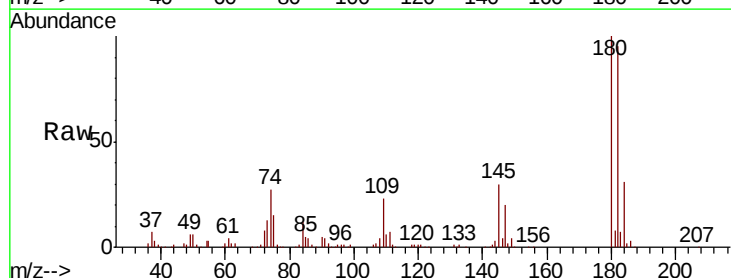


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.076 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:180 Resp: 58245
Ion Ratio Lower Upper
180 100
182 96.0 47.3 142.0
145 31.3 15.6 46.7



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

