

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013148.D
 Acq On : 21 Oct 2019 11:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 22 01:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	29372	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	165714	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	149182	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	67237	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	11.13	95	76931	29.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.23%
63) Toluene-d8	8.71	98	201928	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	43132	21.369	ug/l 96
3) Chloromethane	1.32	50	36646	18.973	ug/l 96
4) Vinyl Chloride	1.40	62	37635	19.287	ug/l 95
5) Bromomethane	1.63	94	24192	26.100	ug/l 100
6) Chloroethane	1.72	64	25106	21.059	ug/l 99
7) Trichlorofluoromethane	1.92	101	63366	21.785	ug/l 99
8) Diethyl Ether	2.18	74	21535	20.599	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	40033	22.055	ug/l 95
10) 1,1-Dichloroethene	2.36	96	36540	20.478	ug/l 96
11) Methyl Iodide	2.50	142	45852	20.695	ug/l 99
12) Methyl Acetate	2.76	43	46870	18.946	ug/l 95
13) Acrolein	2.28	56	21221	58.673	ug/l 95
14) Acrylonitrile	3.12	53	99072	96.064	ug/l 98
15) Acetone	2.43	58	35303	100.340	ug/l 96
16) Carbon Disulfide	2.56	76	93916	19.502	ug/l 99
17) Allyl chloride	2.72	41	57887	19.330	ug/l 96
18) Methylene Chloride	2.85	84	43444	21.417	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	38819	20.389	ug/l 94
20) Diisopropyl ether	3.84	45	115272	20.118	ug/l 95
21) 1,1-Dichloroethane	3.69	63	68755	20.605	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	44148	20.090	ug/l 98
23) tert-Butyl Alcohol	3.02	59	49059	93.396	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	126725	20.888	ug/l 98
25) Chloroform	5.20	83	72805	21.039	ug/l 99
26) Cyclohexane	5.56	56	60858	20.217	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	53687	20.960	ug/l # 87
30) 2-Butanone	4.65	43	143119	97.733	ug/l 97
31) 2,2-Dichloropropane	4.57	77	64171	22.281	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	65927	21.953	ug/l 99
33) Carbon Tetrachloride	5.78	117	56758	22.036	ug/l 94
34) Benzene	6.13	78	157574	20.963	ug/l 97
35) Methacrylonitrile	5.03	41	28394	19.578	ug/l 97
36) 1,2-Dichloroethane	6.18	62	59173	21.548	ug/l 100
37) Trichloroethene	7.20	130	44176	21.796	ug/l 99
38) Methylcyclohexane	7.45	83	66815	21.444	ug/l 100
39) 1,2-Dichloropropane	7.50	63	38964	20.791	ug/l 97
40) Dibromomethane	7.65	93	27951	21.571	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013148.D
 Acq On : 21 Oct 2019 11:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 22 01:40:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:38:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	56486	21.965	ug/l	96
42) Vinyl Acetate	3.80	43	496422	102.100	ug/l	99
43) Ethyl Acetate	4.82	43	52247	19.657	ug/l	100
44) Isopropyl Acetate	6.43	43	85819	19.966	ug/l	99
45) 1,4-Dioxane	7.73	88	22279	414.476	ug/l	95
46) Methyl methacrylate	7.76	41	41362	19.526	ug/l	96
47) n-amyl Acetate	10.89	43	71198	19.438	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	59802	21.040	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	65679	21.026	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	40953	21.067	ug/l	93
51) Ethyl methacrylate	9.17	69	62695	20.535	ug/l	97
52) 1,3-Dichloropropane	9.36	76	69488	21.358	ug/l	98
53) Dibromochloromethane	9.57	129	43244	21.524	ug/l	99
54) 1,2-Dibromoethane	9.67	107	43143	21.118	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	91452	69.624	ug/l	99
56) Bromoform	10.85	173	29727	21.208	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	263608	98.050	ug/l	99
59) 2-Hexanone	9.48	43	204347	97.591	ug/l	99
61) Tetrachloroethene	9.33	164	45001	23.498	ug/l	99
62) Toluene	8.78	91	173864	21.437	ug/l	100
64) Chlorobenzene	10.13	112	107764	20.893	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	41113	21.572	ug/l	99
66) Ethyl Benzene	10.25	91	197831	21.306	ug/l	97
67) m/p-Xylenes	10.35	106	151057	43.158	ug/l	100
68) o-Xylene	10.70	106	70904	21.014	ug/l	97
69) Styrene	10.71	104	121596	20.753	ug/l	98
70) Isopropylbenzene	11.01	105	198612	21.738	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	60175	20.609	ug/l	95
72) 1,2,3-Trichloropropane	11.29	75	68612	27.134	ug/l	90
73) Bromobenzene	11.25	156	46551	21.412	ug/l	100
74) n-propylbenzene	11.35	91	219706	21.689	ug/l	100
75) 2-Chlorotoluene	11.42	91	130019	20.725	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	159772	20.690	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19326	20.167	ug/l	96
78) 4-Chlorotoluene	11.51	91	147937	20.544	ug/l	99
79) tert-butylbenzene	11.76	119	154876	21.336	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	166063	21.623	ug/l	99
81) sec-Butylbenzene	11.94	105	179774	20.415	ug/l	99
82) p-Isopropyltoluene	12.06	119	172022	21.384	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	82407	20.998	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	82903	20.930	ug/l	98
85) n-Butylbenzene	12.39	91	139657	20.447	ug/l	97
86) Hexachloroethane	12.59	117	28975	20.837	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	80478	20.653	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.99	75	13526	19.596	ug/l	92
89) 1,2,4-Trichlorobenzene	13.64	180	50991	21.093	ug/l	98
90) Hexachlorobutadiene	13.77	225	26076	22.431	ug/l	98
91) Naphthalene	13.83	128	158273	19.398	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	50319	20.643	ug/l	99

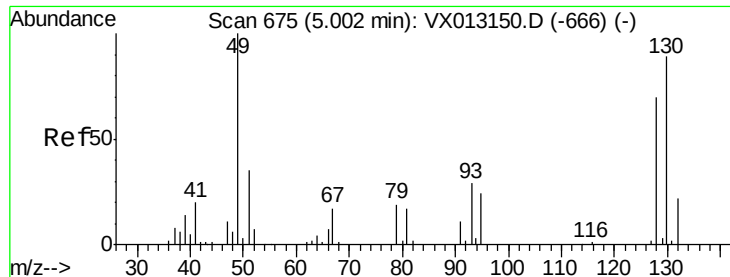
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
Data File : VX013148.D
Acq On : 21 Oct 2019 11:43
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Quant Time: Oct 22 01:40:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:38:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

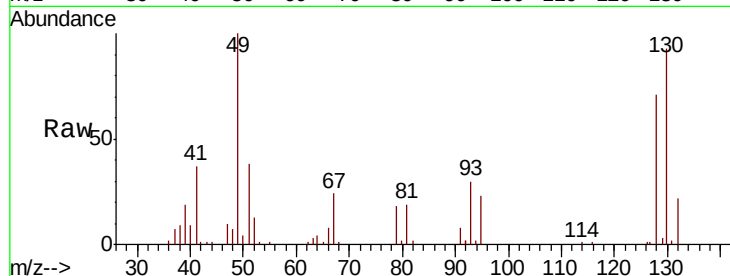
Tot Ion:128 Resp: 29372

Ion Ratio Lower Upper

128 100

49 143.9 0.0 367.3

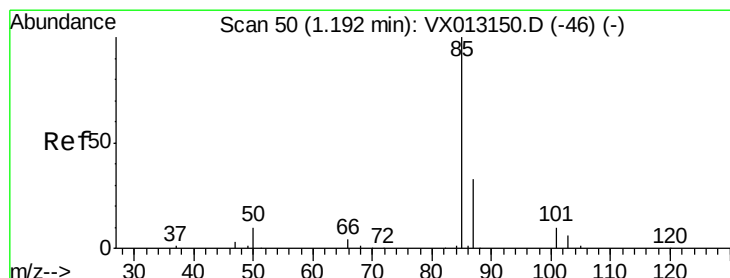
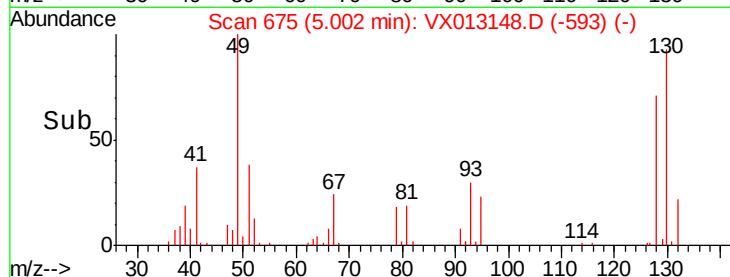
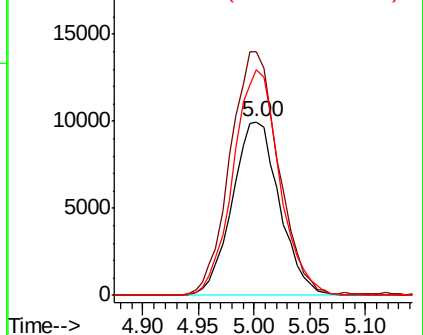
130 127.7 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.369 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013148.D

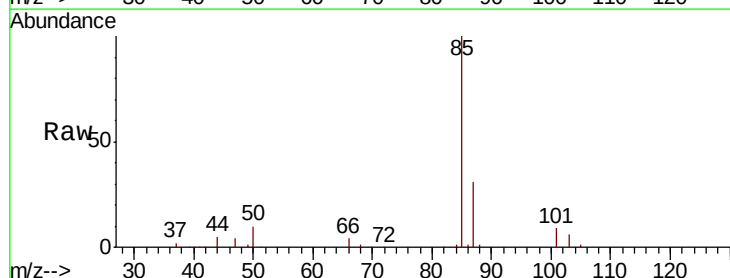
Acq: 21 Oct 2019 11:43

Tgt Ion: 85 Resp: 43132

Ion Ratio Lower Upper

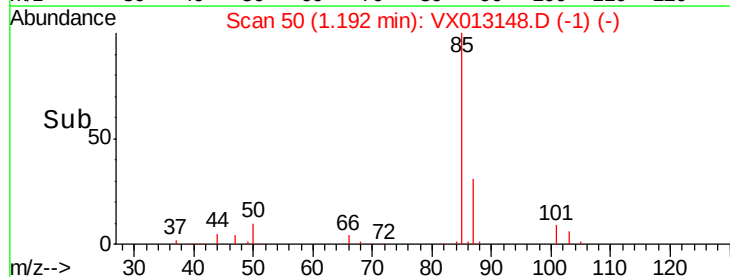
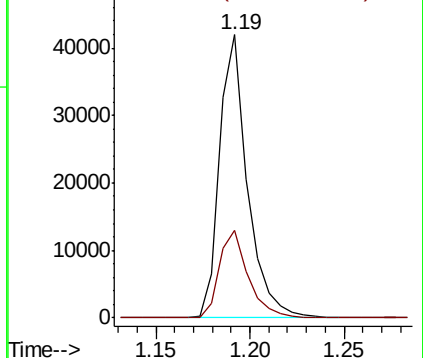
85 100

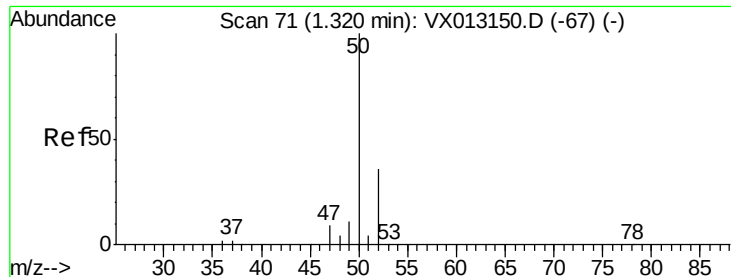
87 31.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.973 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

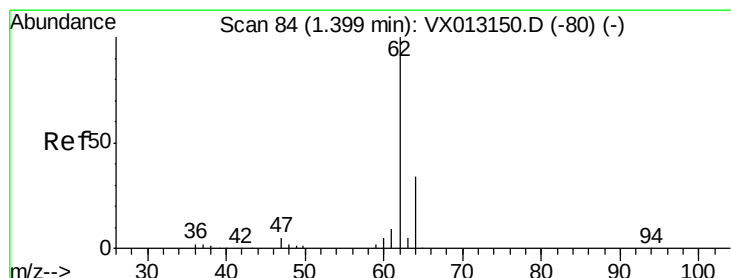
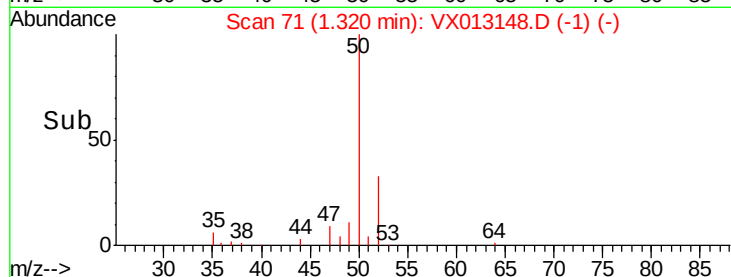
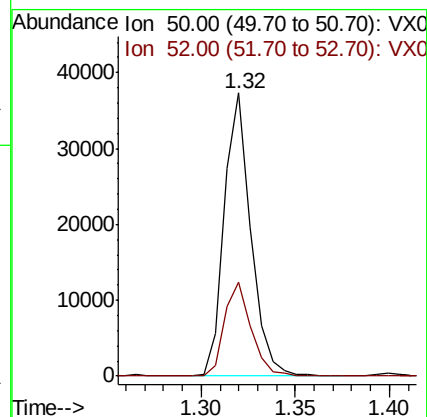
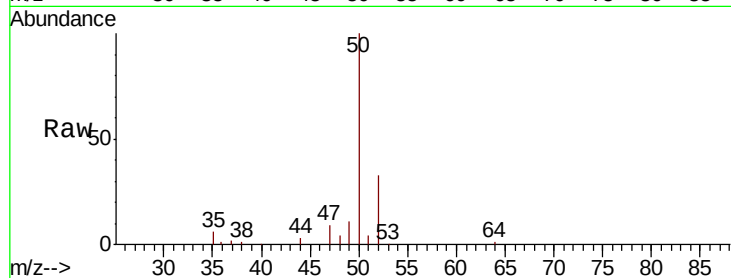
VSTDCCC020

Tot Ion: 50 Resp: 36646

Ion Ratio Lower Upper

50 100

52 33.4 28.6 42.8



#4

Vinyl Chloride

Concen: 19.287 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013148.D

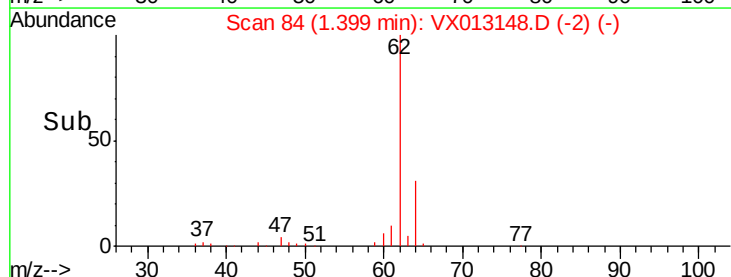
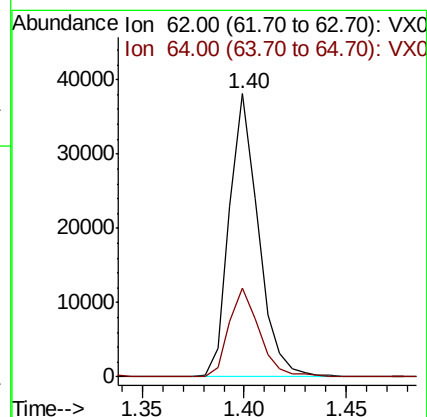
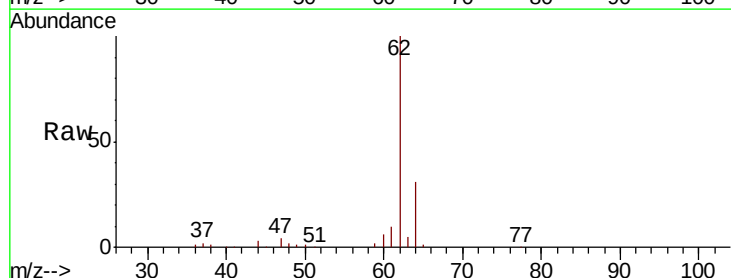
Acq: 21 Oct 2019 11:43

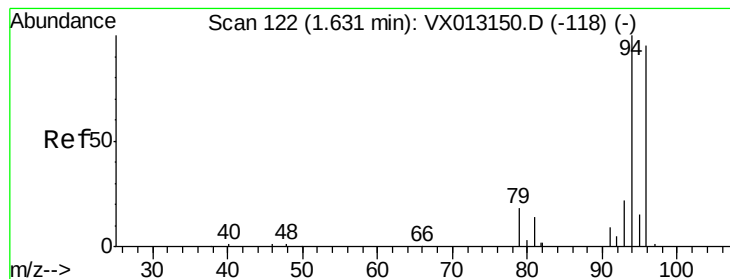
Tgt Ion: 62 Resp: 37635

Ion Ratio Lower Upper

62 100

64 31.3 27.3 40.9





#5

Bromomethane

Concen: 26.100 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

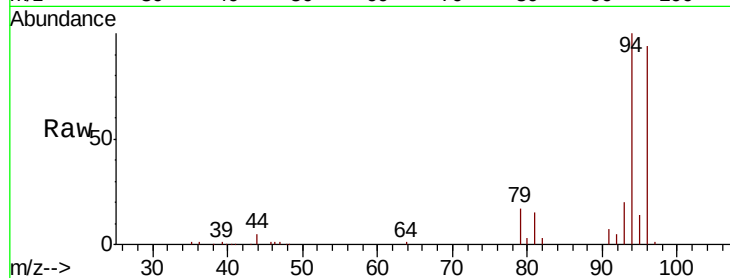
VSTDCCC020

Tot Ion: 94 Resp: 24192

Ion Ratio Lower Upper

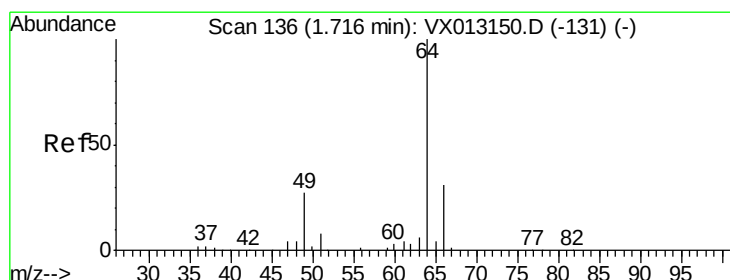
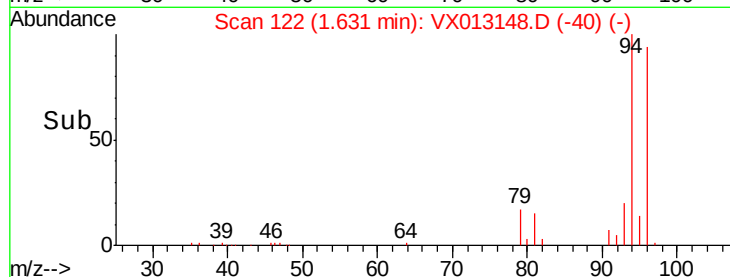
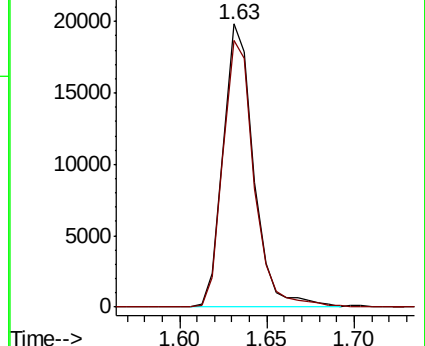
94 100

96 94.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.059 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013148.D

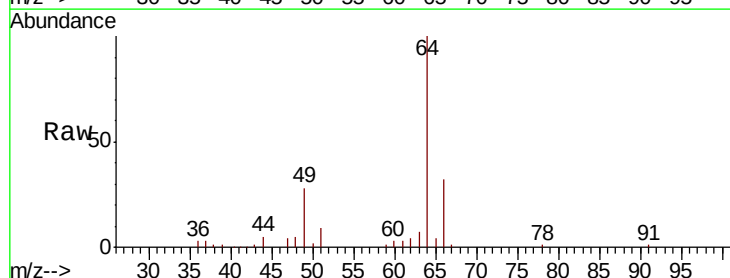
Acq: 21 Oct 2019 11:43

Tgt Ion: 64 Resp: 25106

Ion Ratio Lower Upper

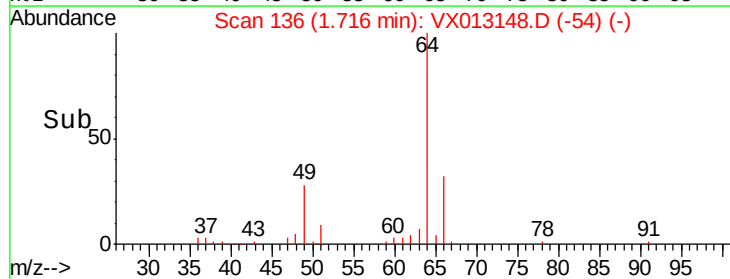
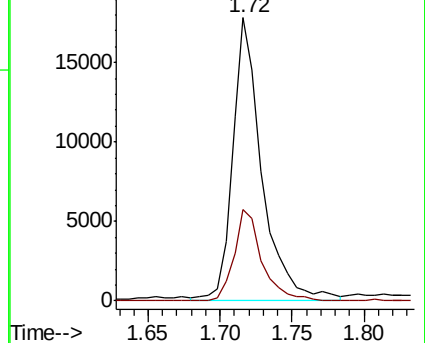
64 100

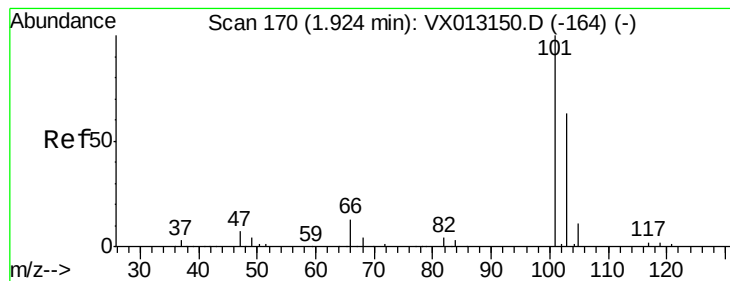
66 32.5 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



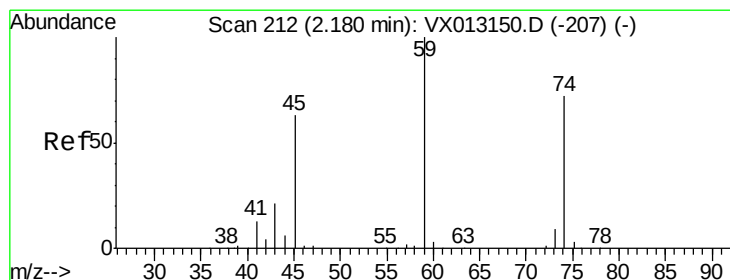
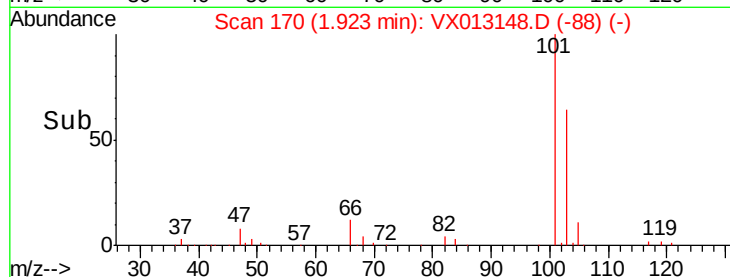
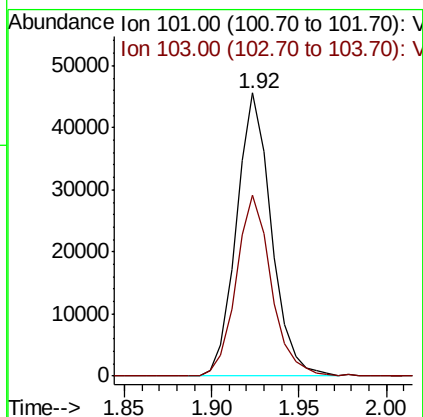
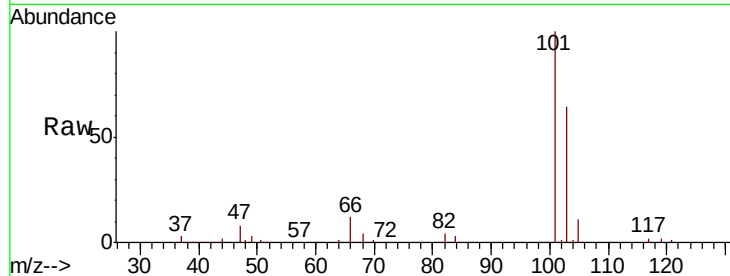


#7

Trichlorofluoromethane
Concen: 21.785 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

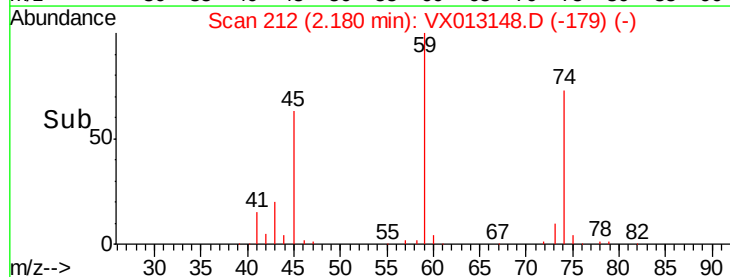
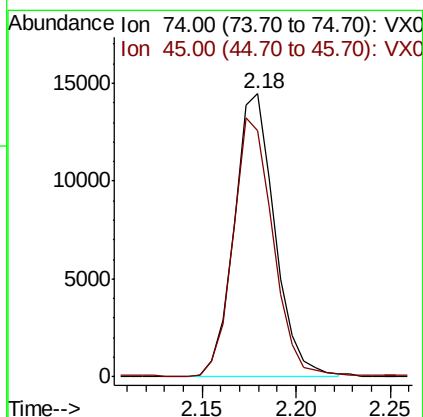
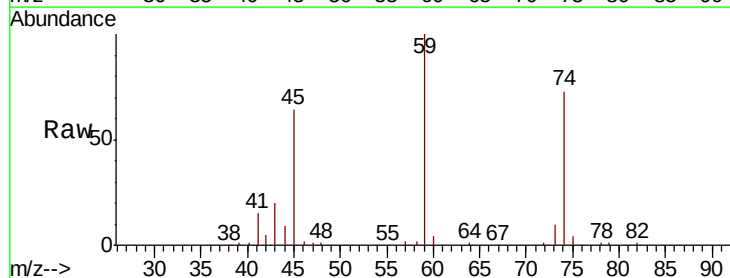
Tot Ion:101 Resp: 63366
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.4

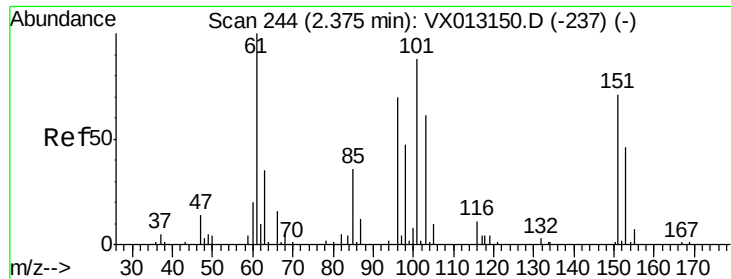


#8

Diethyl Ether
Concen: 20.599 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 74 Resp: 21535
Ion Ratio Lower Upper
74 100
45 90.6 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.055 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

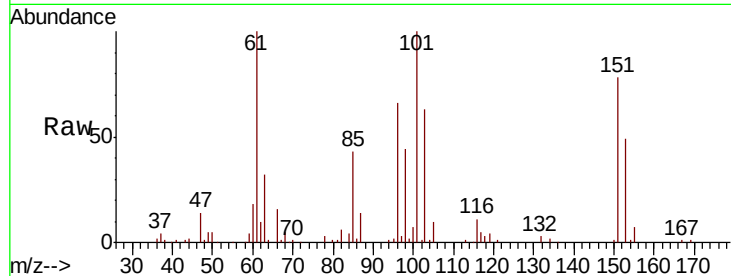
Tot Ion:101 Resp: 40033

Ion Ratio Lower Upper

101 100

85 42.3 0.0 87.2

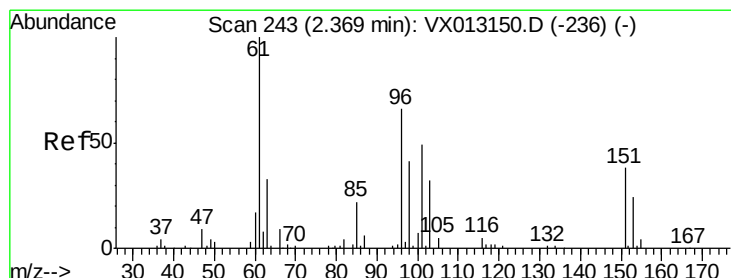
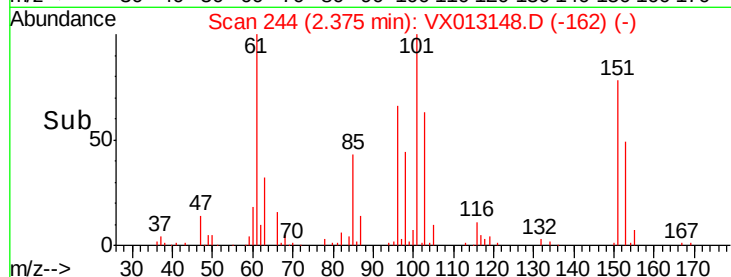
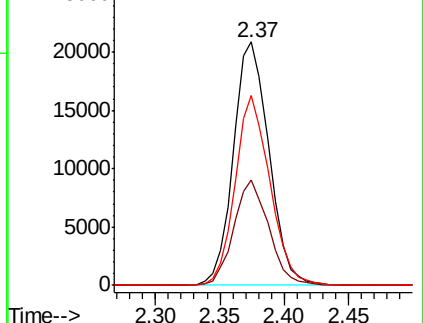
151 76.0 0.0 163.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.478 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

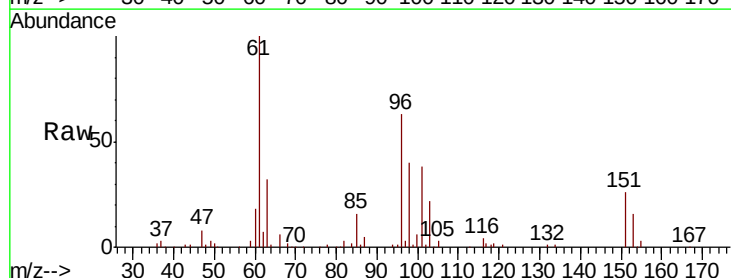
Tgt Ion: 96 Resp: 36540

Ion Ratio Lower Upper

96 100

61 158.8 121.3 181.9

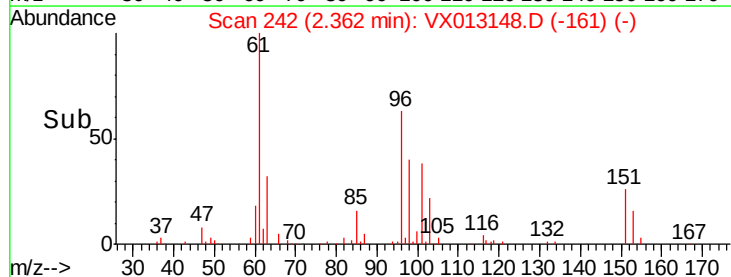
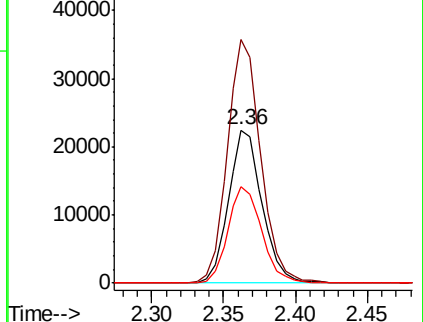
98 62.8 49.5 74.3

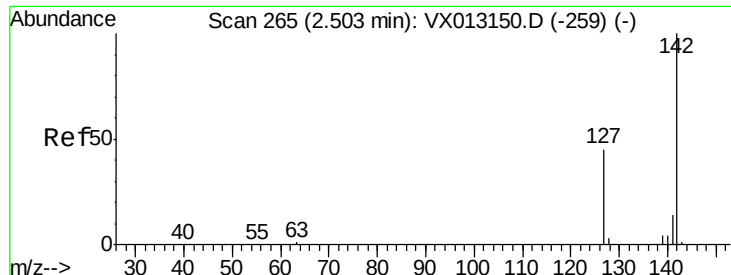


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

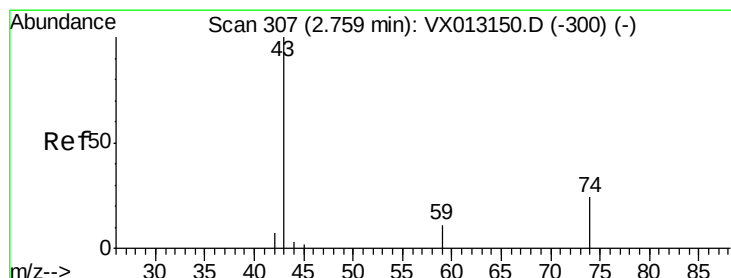
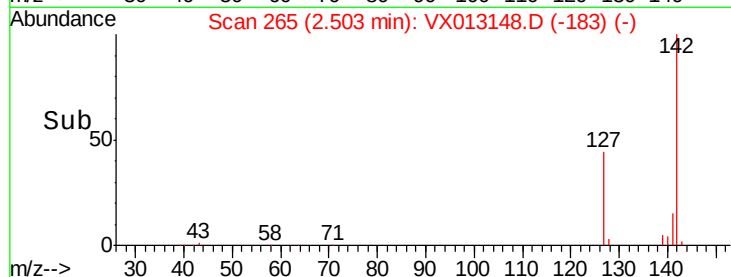
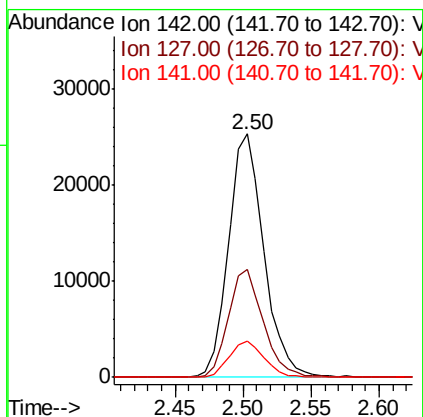
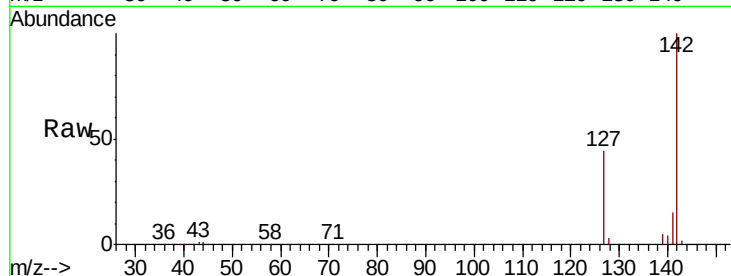




#11
Methvl Iodide
Concen: 20.695 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

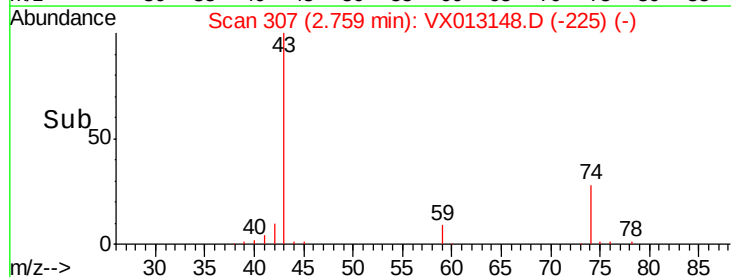
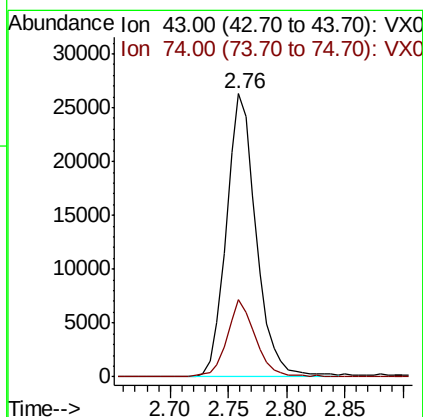
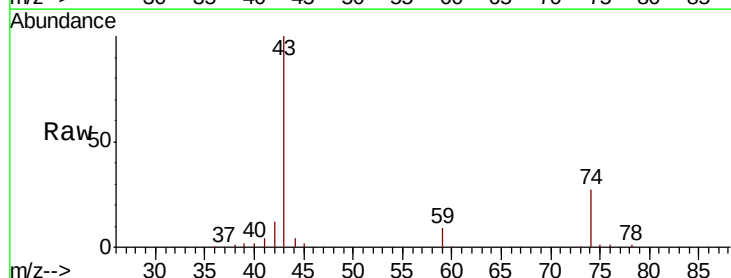
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

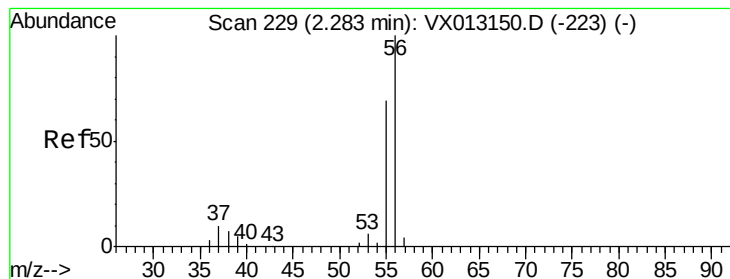
Tot Ion:142 Resp: 45852
Ion Ratio Lower Upper
142 100
127 44.1 22.3 66.9
141 14.8 7.1 21.3



#12
Methyl Acetate
Concen: 18.946 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 43 Resp: 46870
Ion Ratio Lower Upper
43 100
74 27.3 19.7 29.5





#13

Acrolein

Concen: 58.673 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

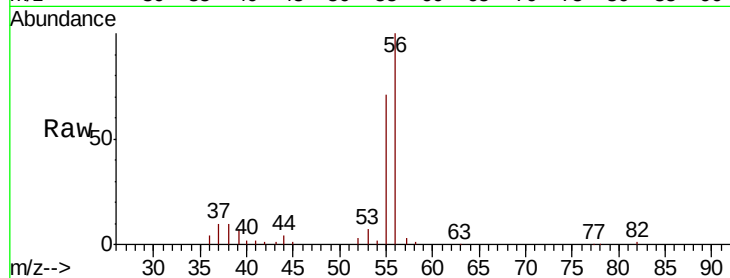
VSTDCCC020

Tot Ion: 56 Resp: 21221

Ion Ratio Lower Upper

56 100

55 74.1 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

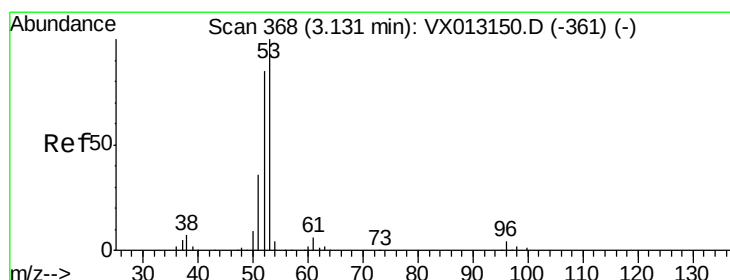
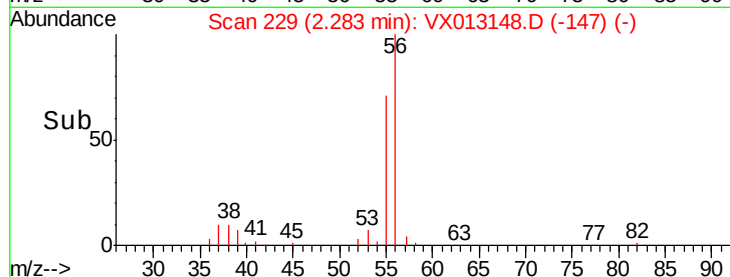
10000

5000

0

2.25 2.30 2.35

Time-->



#14

Acrylonitrile

Concen: 96.064 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

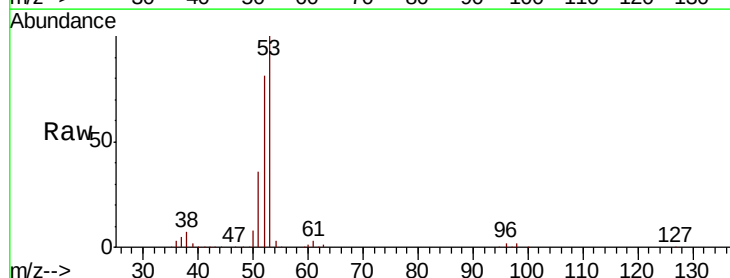
Tgt Ion: 53 Resp: 99072

Ion Ratio Lower Upper

53 100

52 81.4 42.0 126.0

51 36.8 18.6 56.0



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

60000

50000

40000

30000

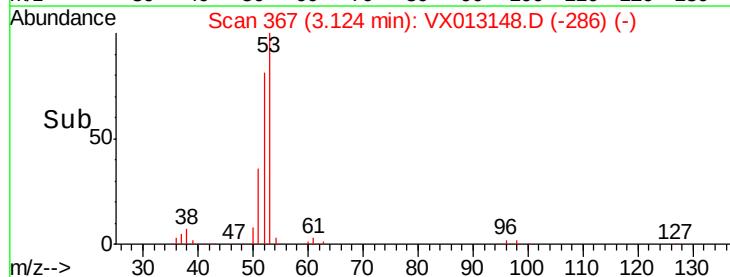
20000

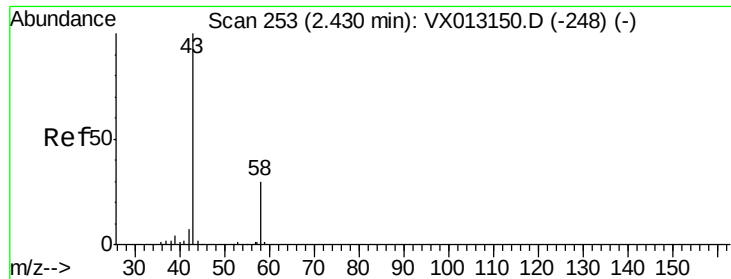
10000

0

3.10 3.20

Time-->





#15

Acetone

Concen: 100.340 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

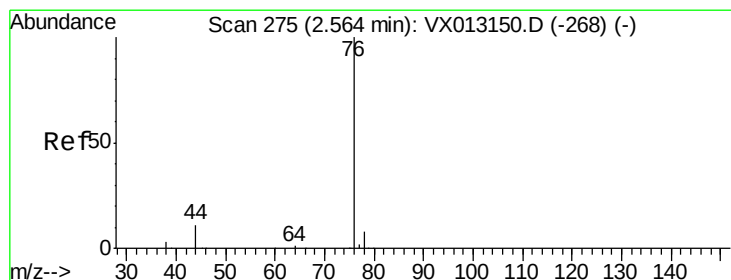
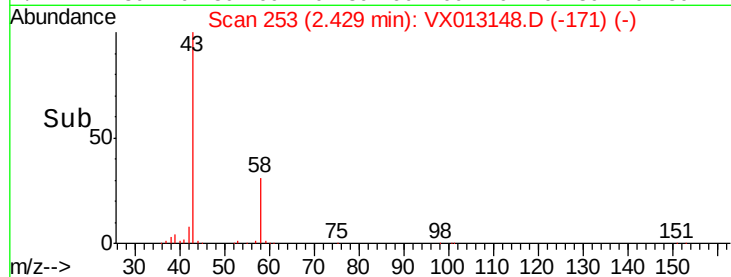
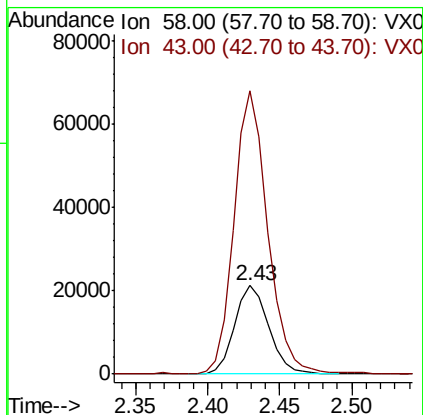
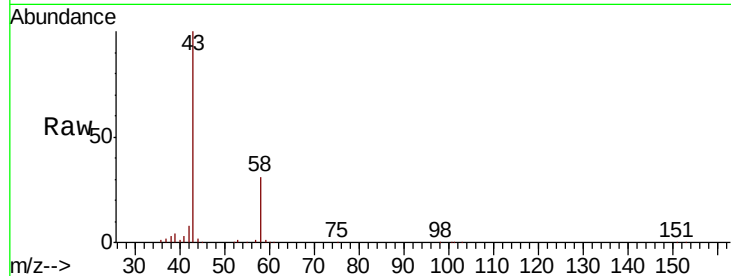
VSTDCCC020

Tot Ion: 58 Resp: 35303

Ion Ratio Lower Upper

58 100

43 319.6 262.8 394.2



#16

Carbon Disulfide

Concen: 19.502 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013148.D

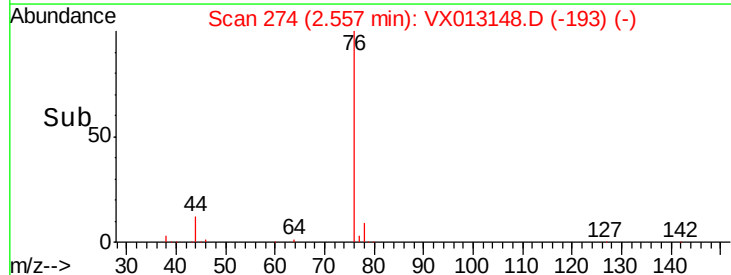
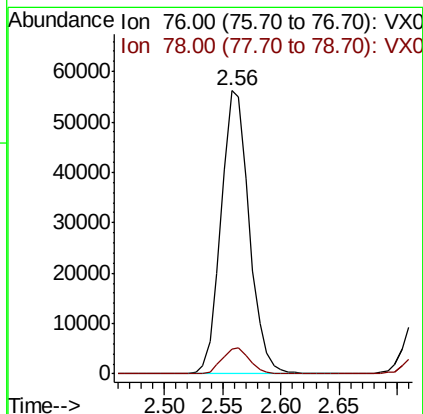
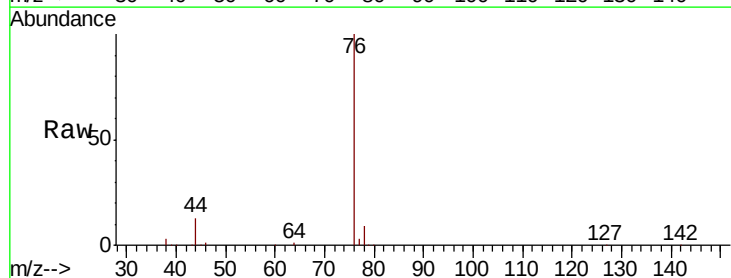
Acq: 21 Oct 2019 11:43

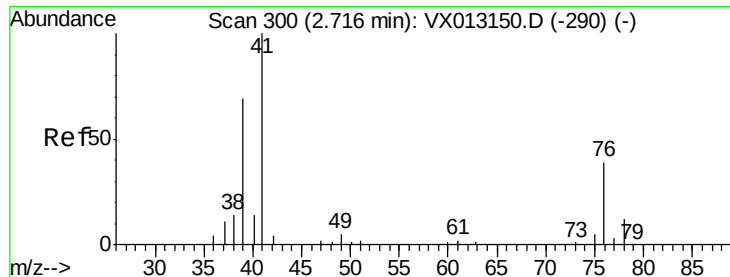
Tgt Ion: 76 Resp: 93916

Ion Ratio Lower Upper

76 100

78 8.7 6.6 10.0





#17

Allvl chloride

Concen: 19.330 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

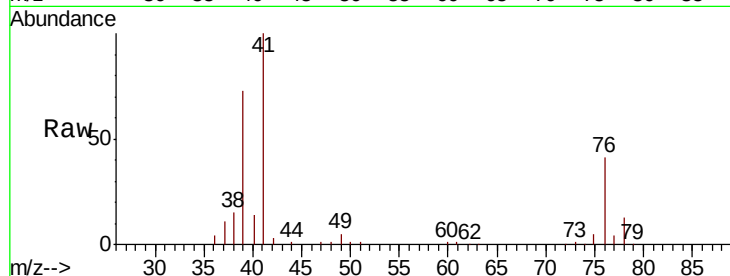
Tot Ion: 41 Resp: 57887

Ion Ratio Lower Upper

41 100

39 72.9 34.7 104.1

76 41.4 19.7 59.0

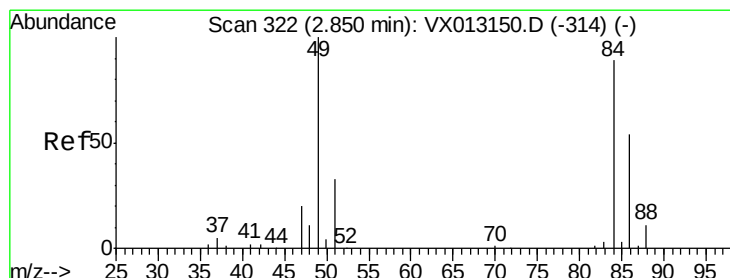
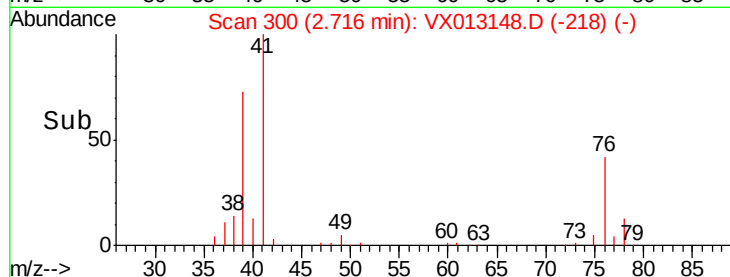
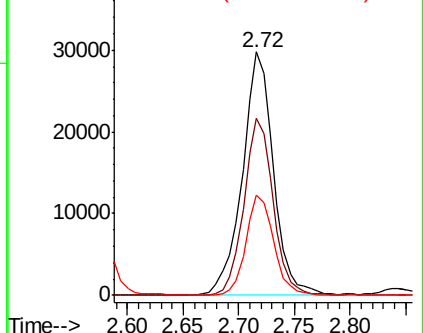


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 21.417 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Tgt Ion: 84 Resp: 43444

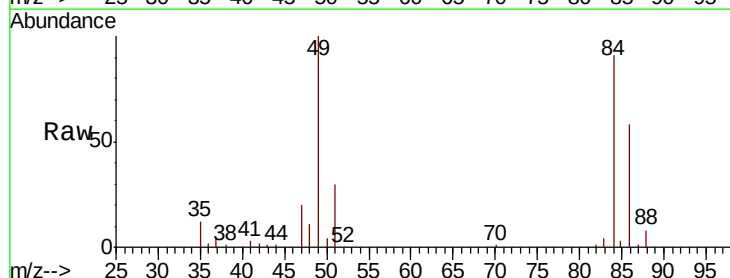
Ion Ratio Lower Upper

84 100

49 109.5 90.3 135.5

51 32.6 29.9 44.9

86 63.3 49.0 73.4



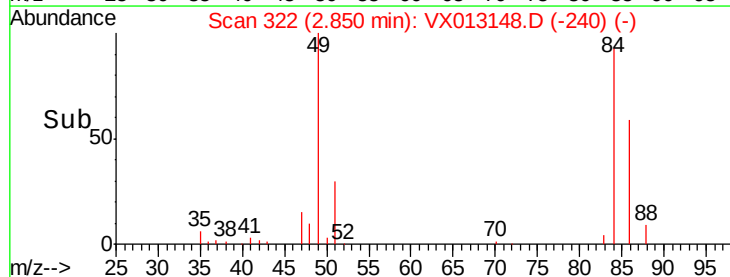
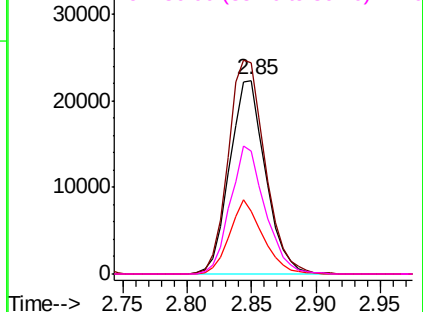
Abundance

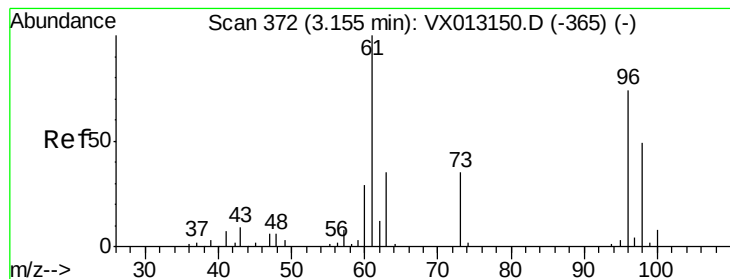
Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 20.389 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

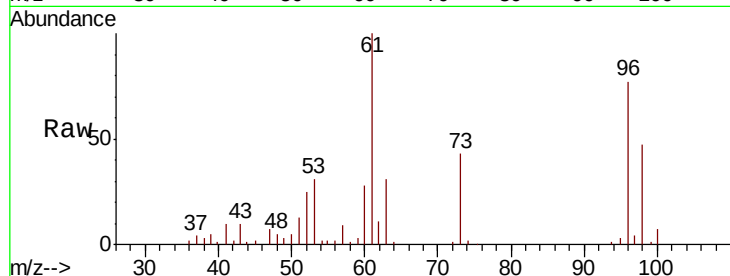
Tot Ion: 96 Resp: 38819

Ion Ratio Lower Upper

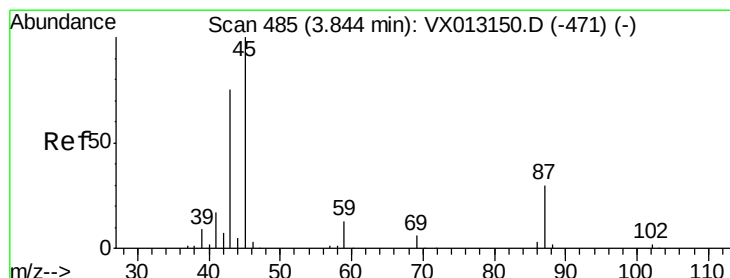
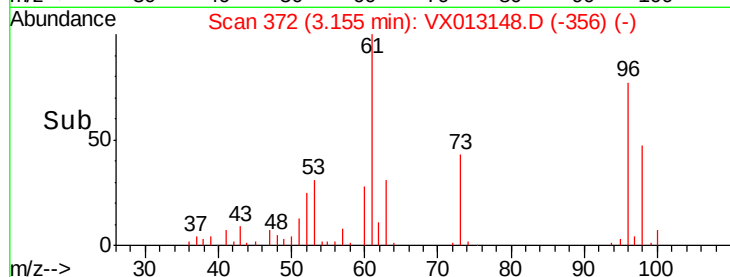
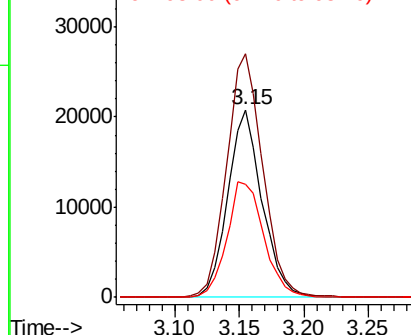
96 100

61 129.2 108.6 162.8

98 60.3 53.4 80.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.118 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Tgt Ion: 45 Resp: 115272

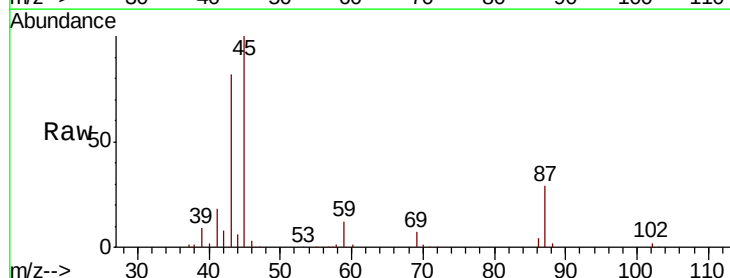
Ion Ratio Lower Upper

45 100

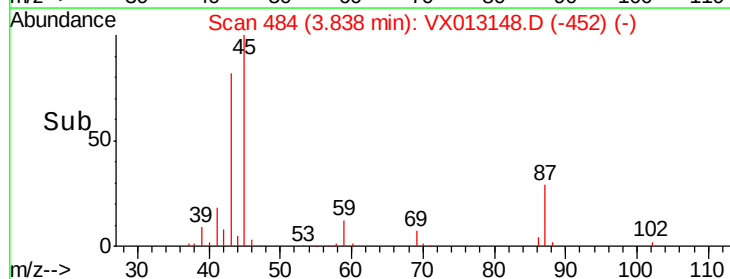
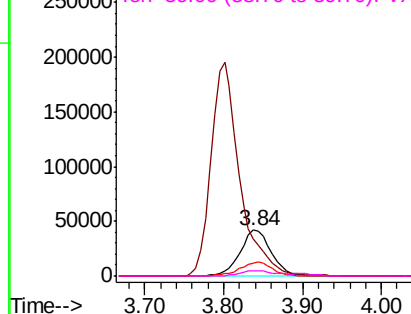
43 80.8 60.6 91.0

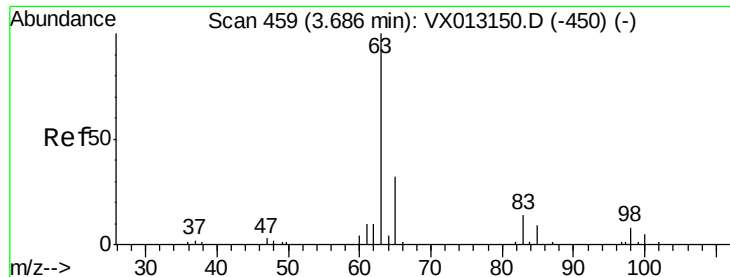
87 28.7 24.2 36.2

59 11.7 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.605 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDC0020

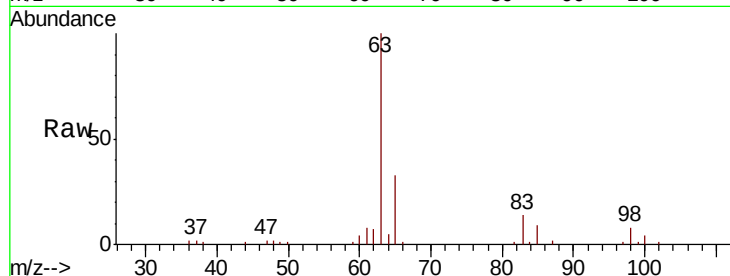
Tot Ion: 63 Resp: 68755

Ion Ratio Lower Upper

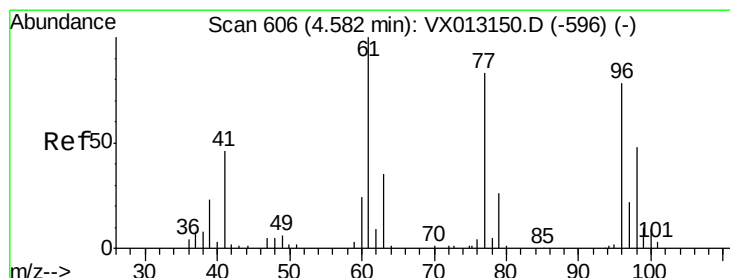
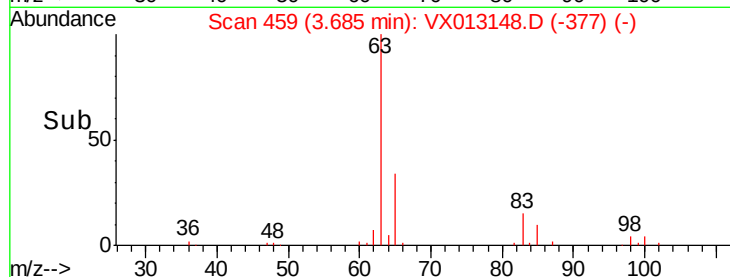
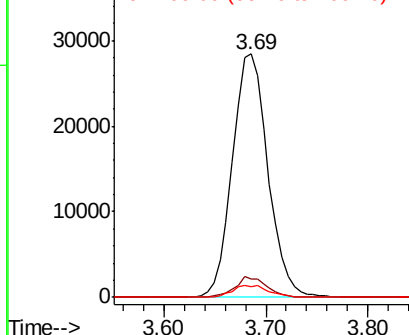
63 100

98 7.6 4.2 12.4

100 4.4 2.4 7.2



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

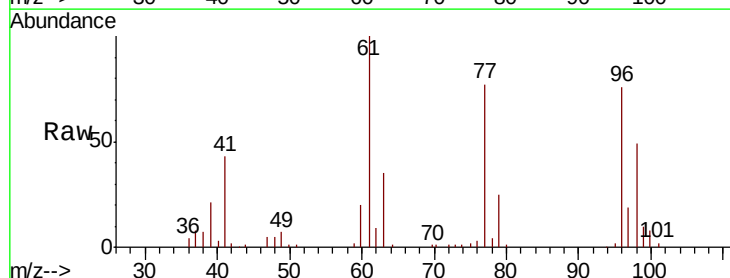
Tgt Ion: 96 Resp: 44148

Ion Ratio Lower Upper

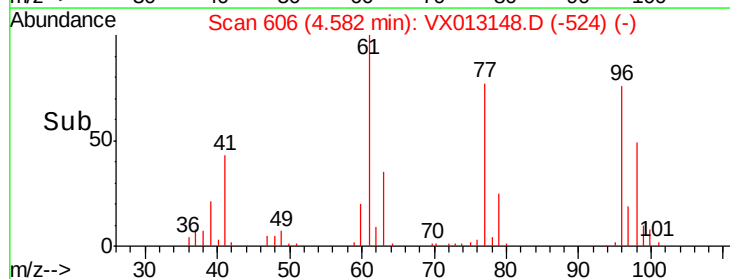
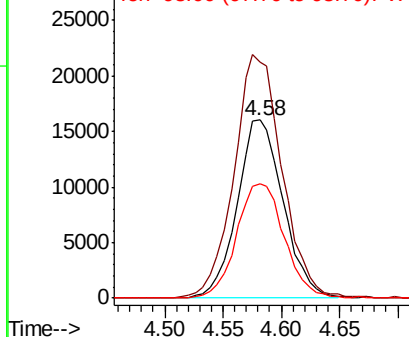
96 100

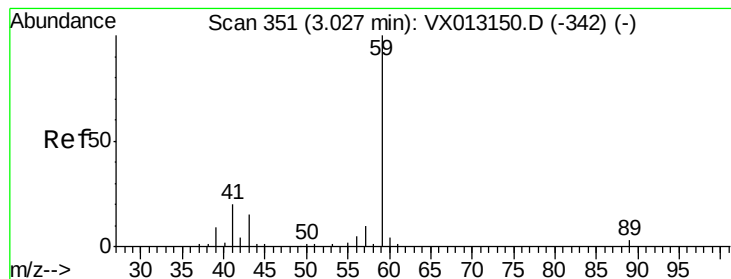
61 142.5 112.5 168.7

98 66.6 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



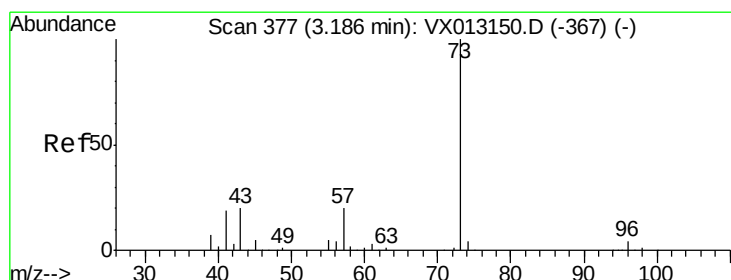
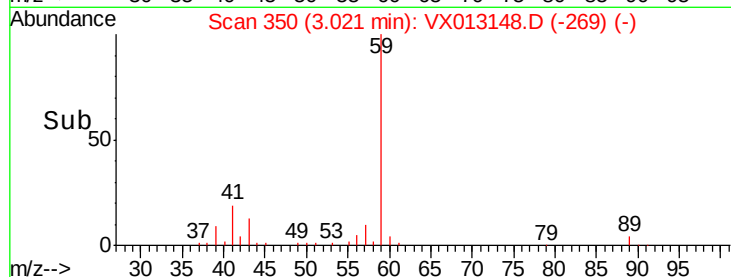
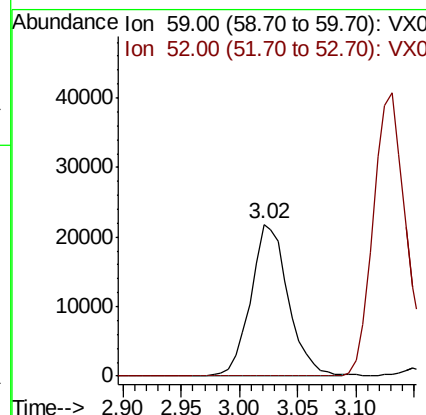
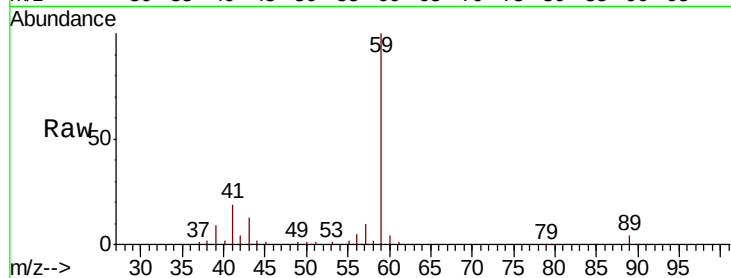


#23

tert-Butyl Alcohol
 Concen: 93.396 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

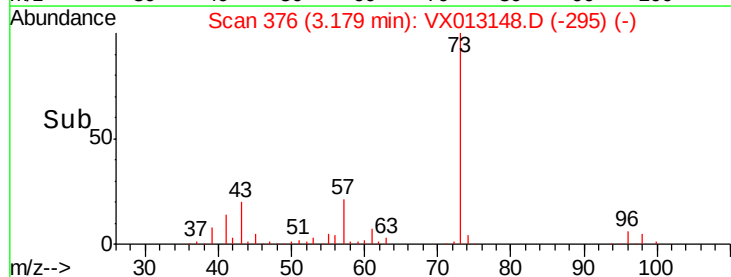
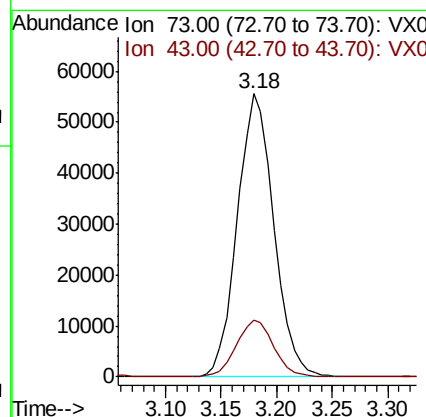
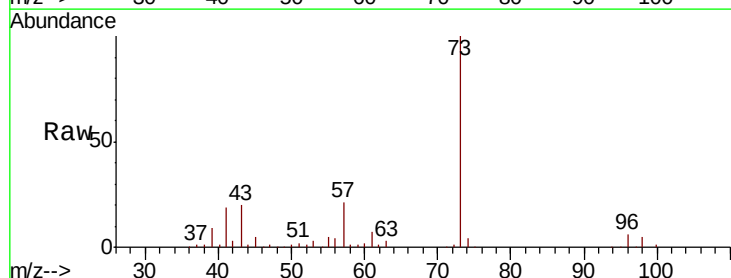
Tot Ion: 59 Resp: 49059
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

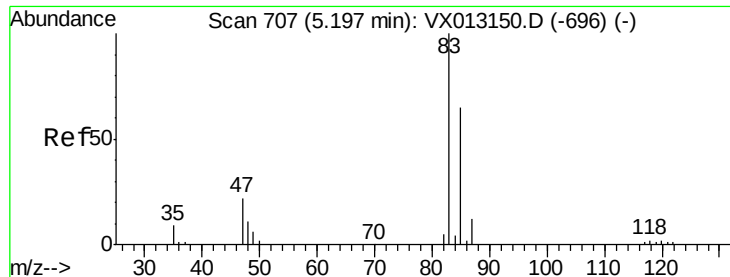


#24

Methyl tert-Butyl Ether
 Concen: 20.888 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 73 Resp: 126725
 Ion Ratio Lower Upper
 73 100
 43 20.5 17.1 25.7





#25

Chloroform

Concen: 21.039 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

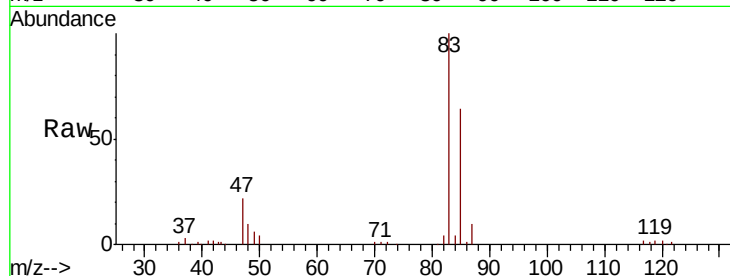
VSTDCCC020

Tot Ion: 83 Resp: 72805

Ion Ratio Lower Upper

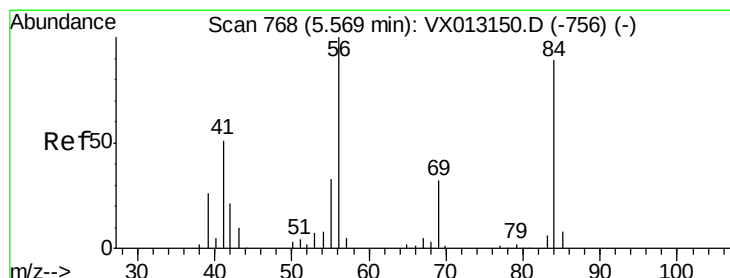
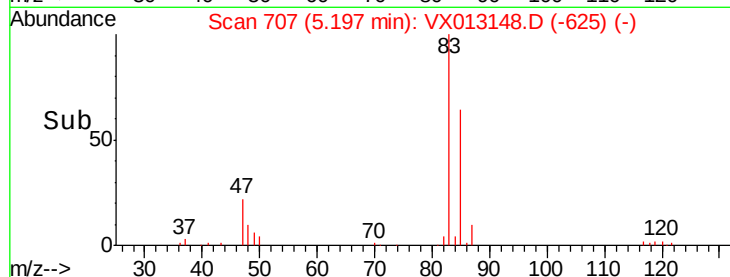
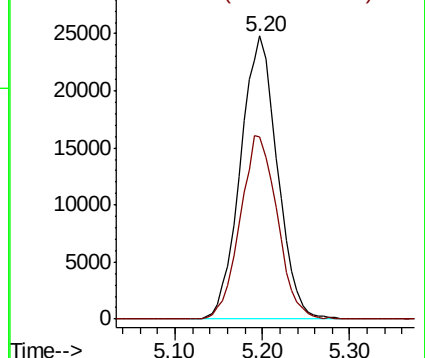
83 100

85 64.3 52.0 78.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 20.217 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

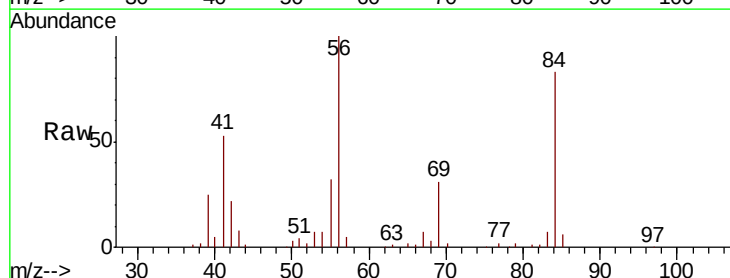
Tgt Ion: 56 Resp: 60858

Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

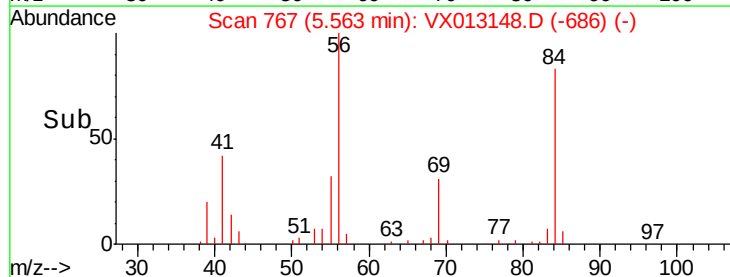
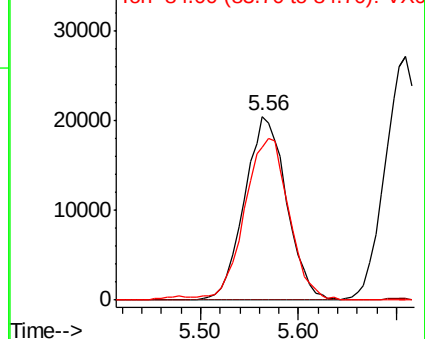
84 92.9 74.0 111.0

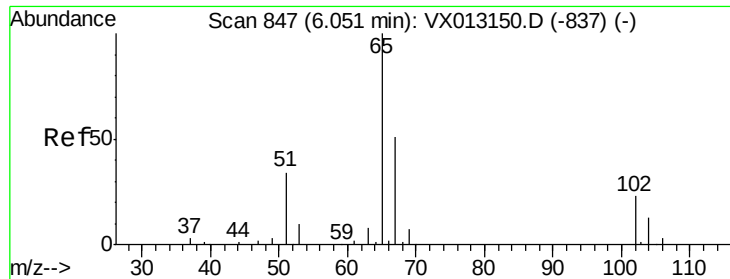


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

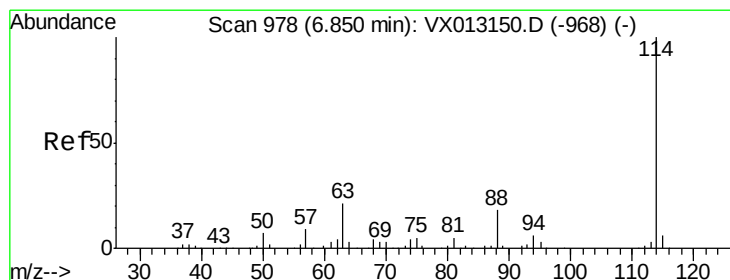
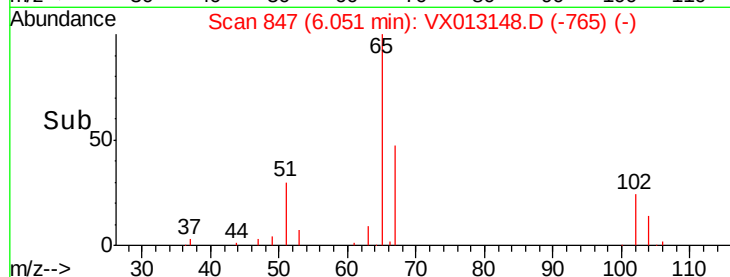
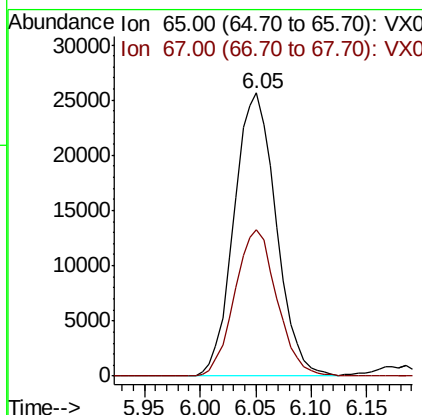
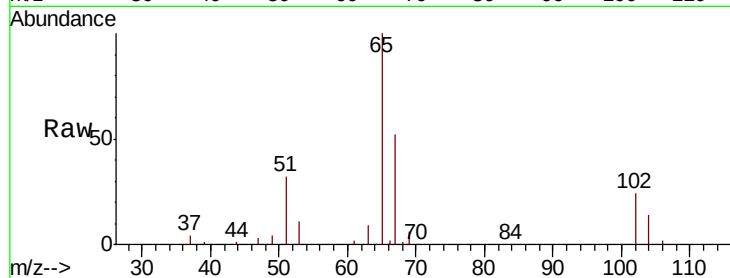




#27
 1,2-Dichloroethane-d4
 Concen: 29.703 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

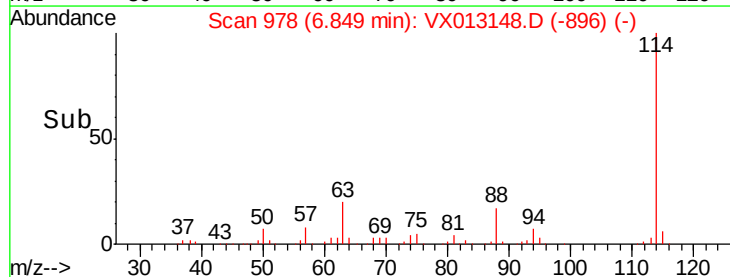
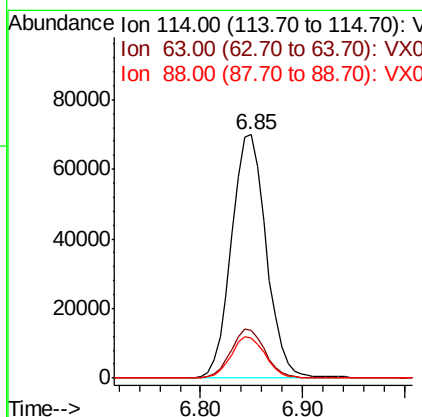
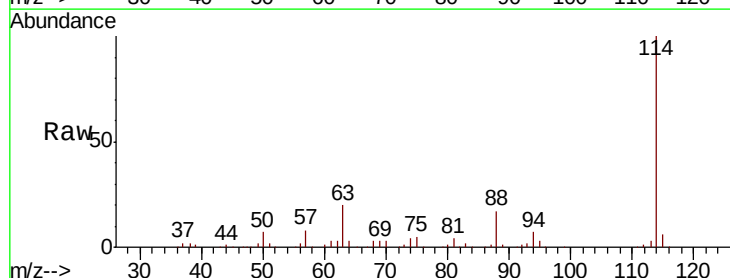
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

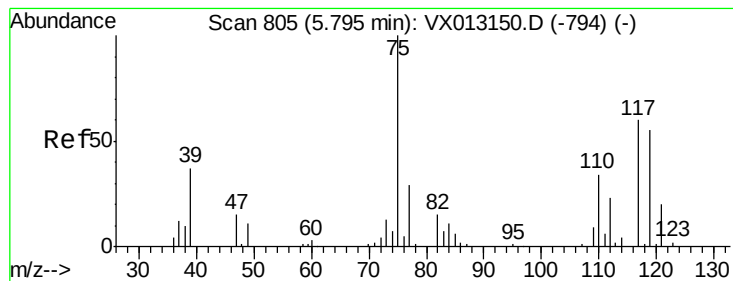
Tot Ion: 65 Resp: 67237
 Ion Ratio Lower Upper
 65 100
 67 51.7 42.2 63.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 114 Resp: 165714
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.1 24.1
 88 16.9 13.7 20.5





#29

1,1-Dichloropropene

Concen: 20.960 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

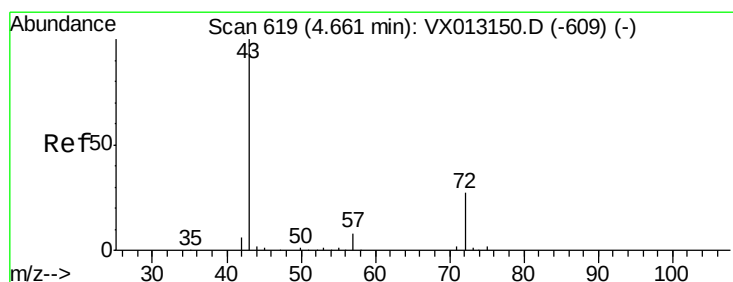
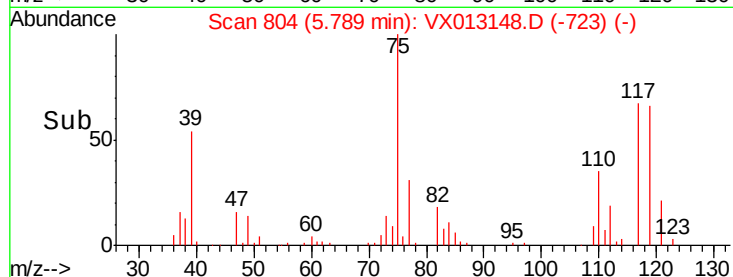
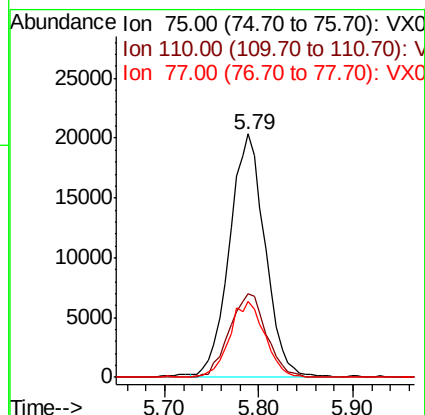
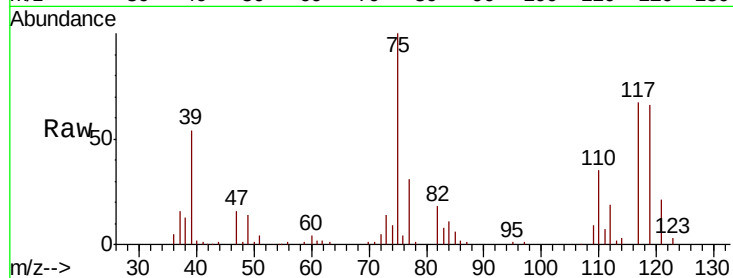
Tot Ion: 75 Resp: 53687

Ion Ratio Lower Upper

75 100

110 35.7 0.0 68.4

77 30.9 0.0 30.8#



#30

2-Butanone

Concen: 97.733 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

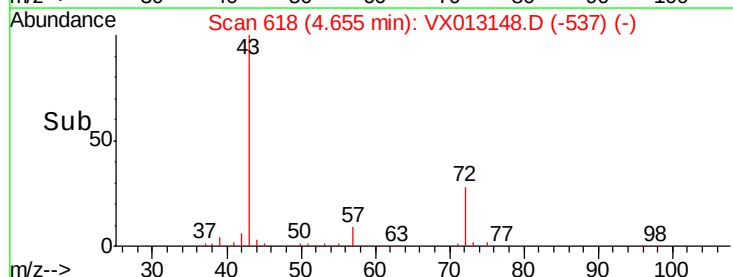
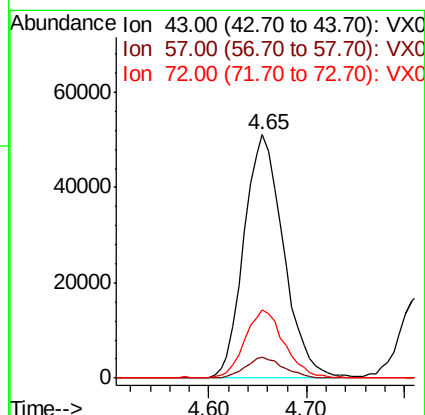
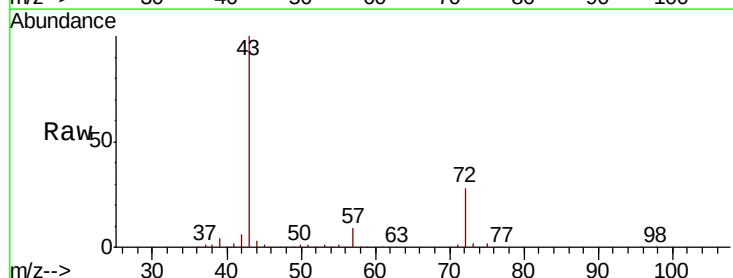
Tgt Ion: 43 Resp: 143119

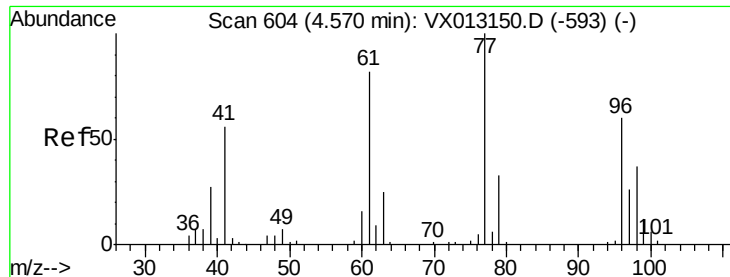
Ion Ratio Lower Upper

43 100

57 8.4 7.0 10.6

72 27.5 23.4 35.2

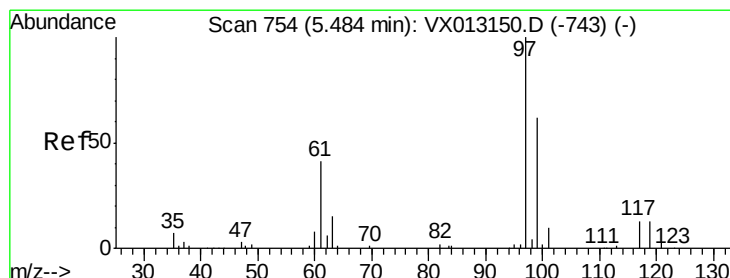
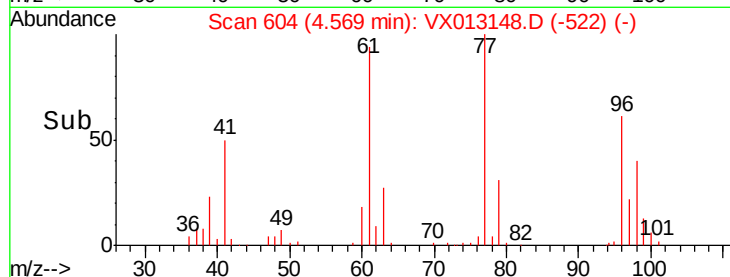
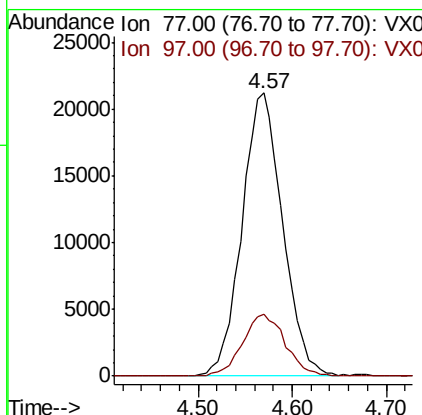
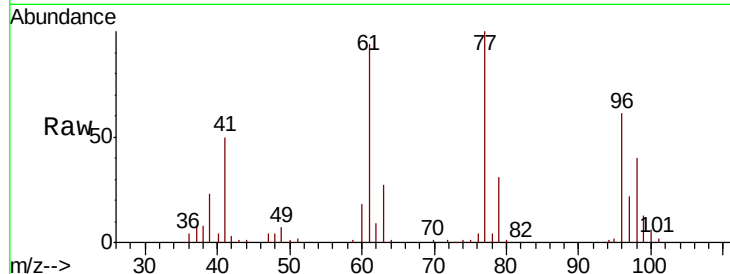




#31
 2,2-Dichloropropane
 Concen: 22.281 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

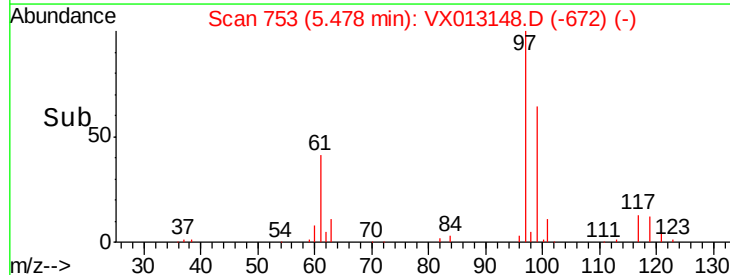
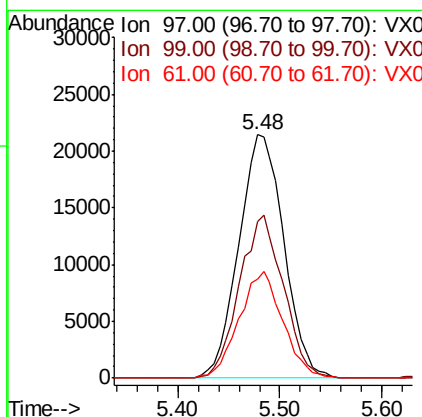
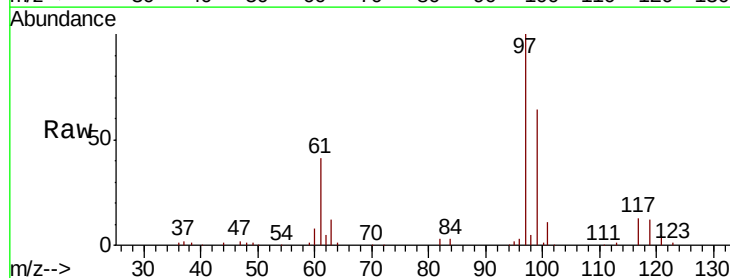
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

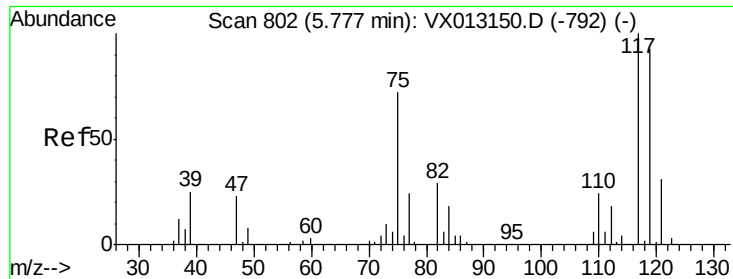
Tot Ion: 77 Resp: 64171
 Ion Ratio Lower Upper
 77 100
 97 22.9 19.1 28.7



#32
 1,1,1-Trichloroethane
 Concen: 21.953 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 97 Resp: 65927
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.8 77.8
 61 42.6 33.5 50.3

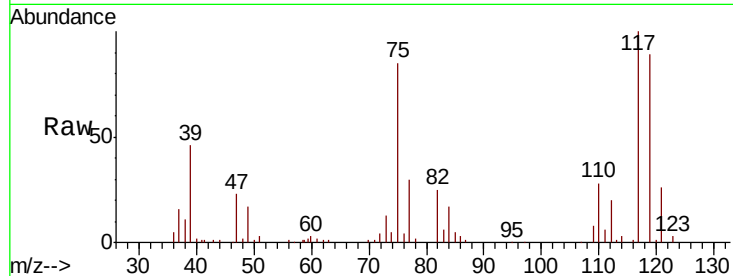




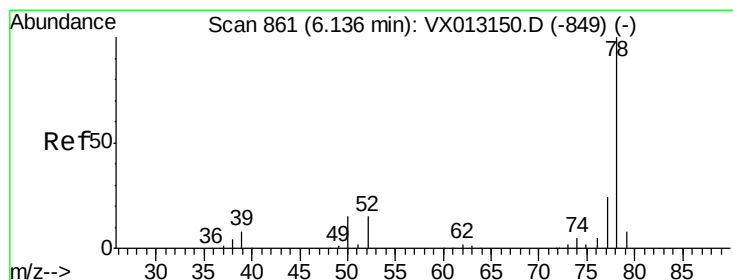
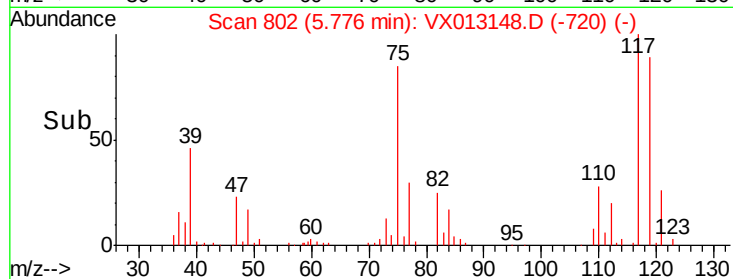
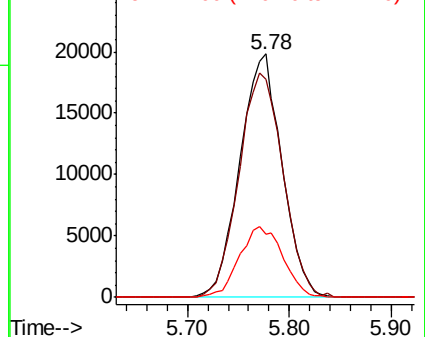
#33
Carbon Tetrachloride
Concen: 22.036 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 56758
Ion Ratio Lower Upper
117 100
119 89.5 74.9 112.3
121 25.7 25.0 37.4

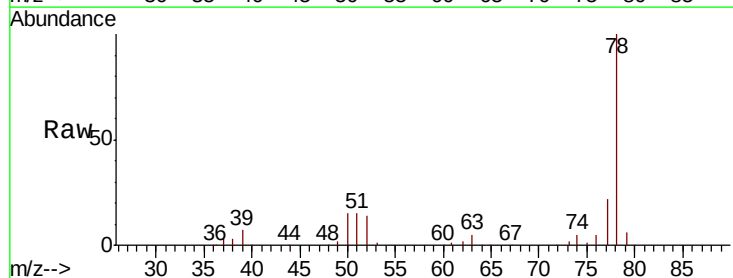


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

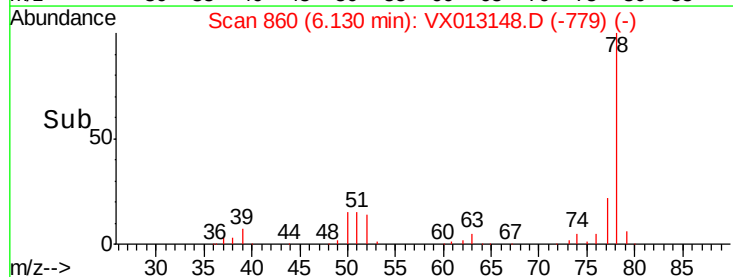
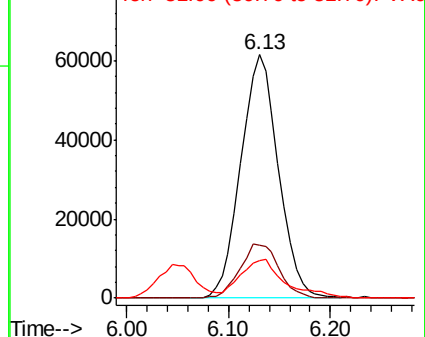


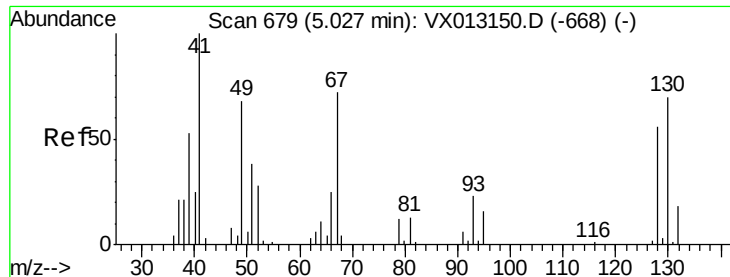
#34
Benzene
Concen: 20.963 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 78 Resp: 157574
Ion Ratio Lower Upper
78 100
77 21.8 19.3 28.9
51 14.4 11.4 17.2



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

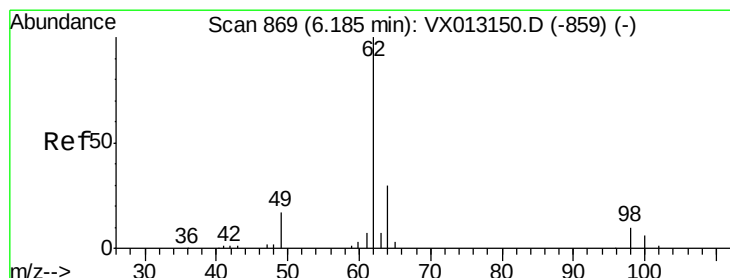
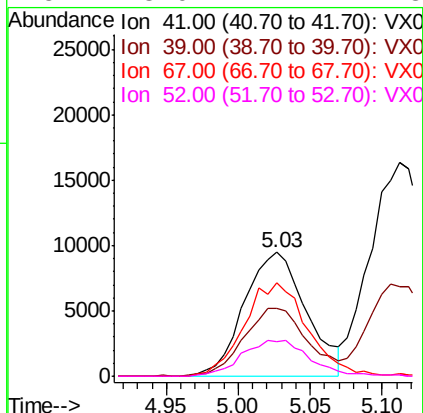
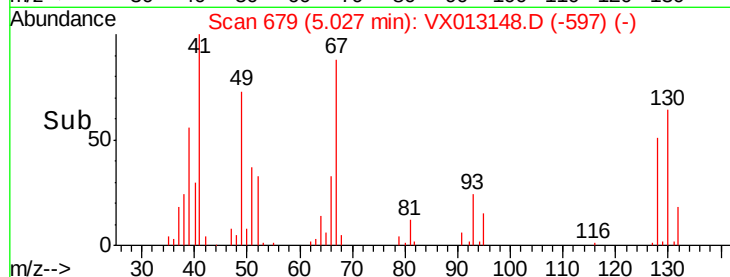
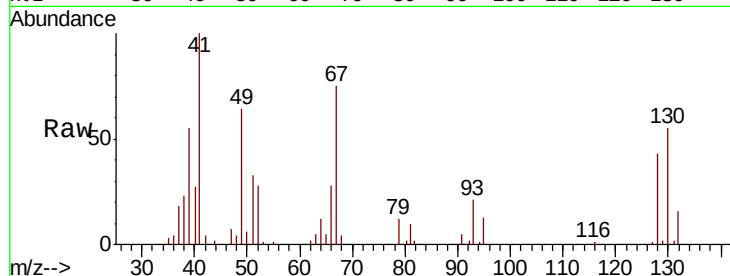




#35
Methacrylonitrile
Concen: 19.578 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

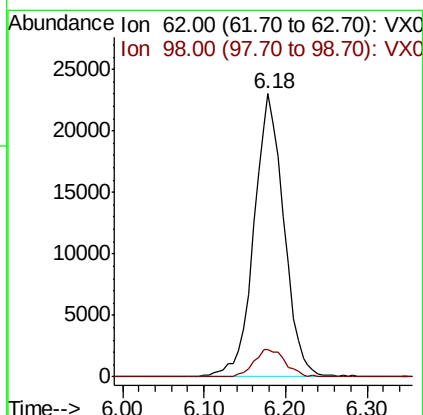
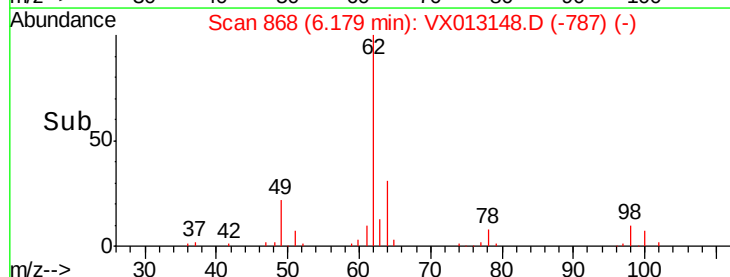
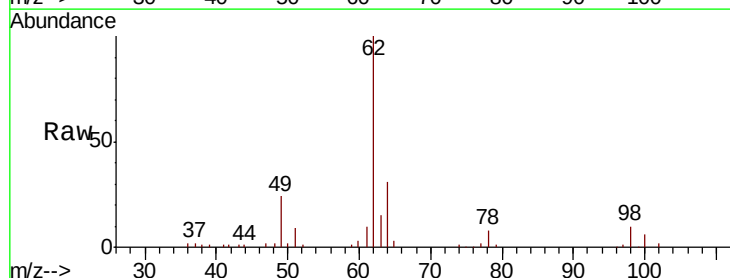
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

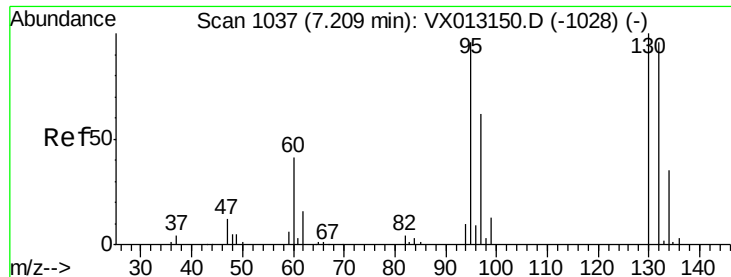
Tot Ion:	41	Resp:	28394
Ion	Ratio	Lower	Upper
41	100		
39	54.5	26.3	78.9
67	75.1	35.8	107.4
52	28.0	14.1	42.3



#36
1,2-Dichloroethane
Concen: 21.548 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion:	62	Resp:	59173
Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.0	12.0

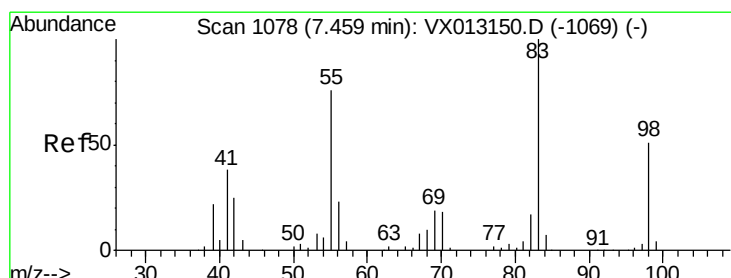
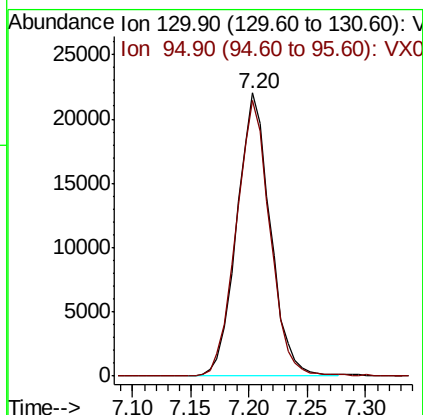
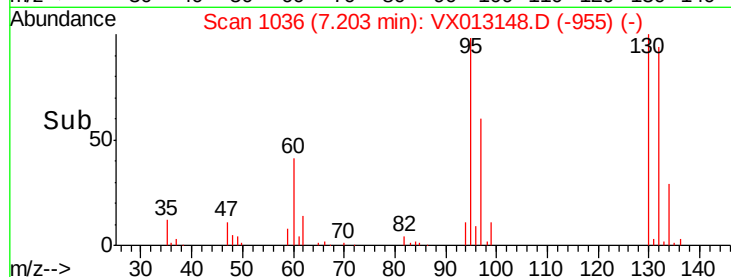
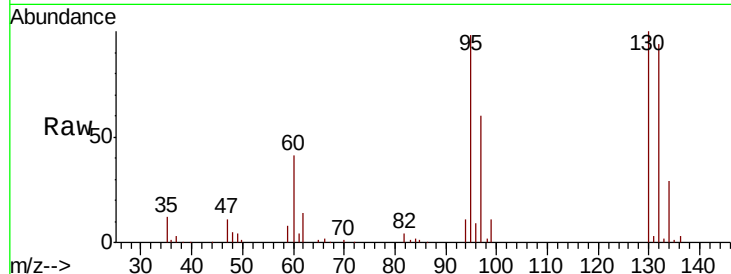




#37
 Trichloroethene
 Concen: 21.796 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

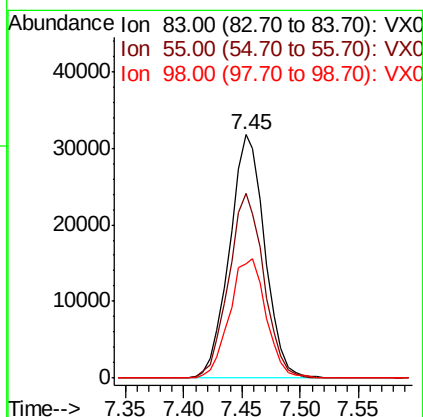
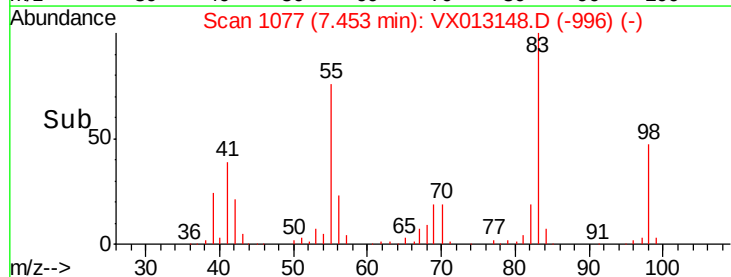
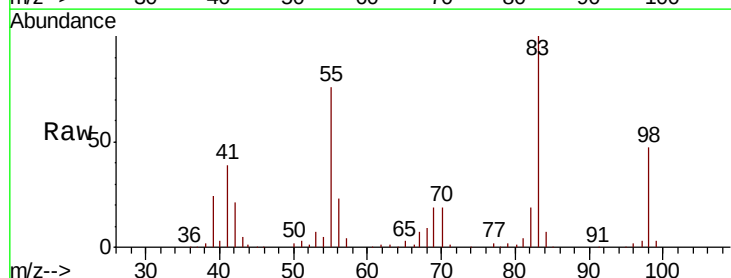
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

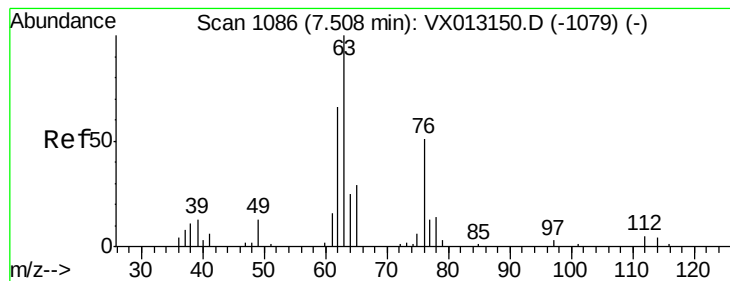
Tot Ion:130 Resp: 44176
 Ion Ratio Lower Upper
 130 100
 95 97.6 77.0 115.6



#38
 Methylcyclohexane
 Concen: 21.444 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 83 Resp: 66815
 Ion Ratio Lower Upper
 83 100
 55 75.6 37.5 112.5
 98 50.7 25.4 76.0

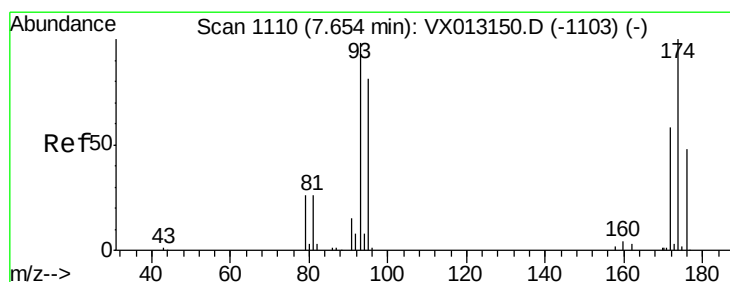
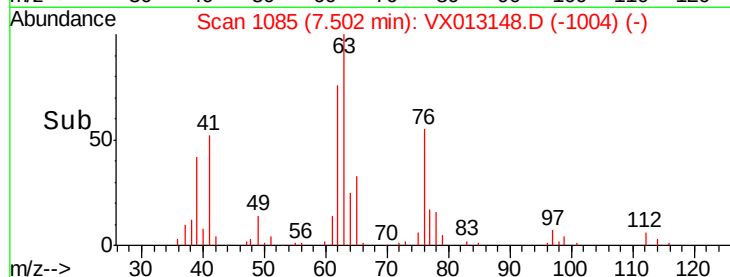
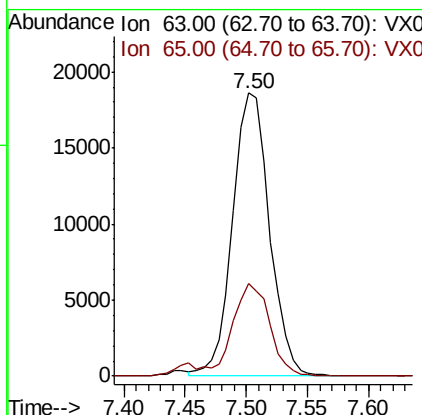
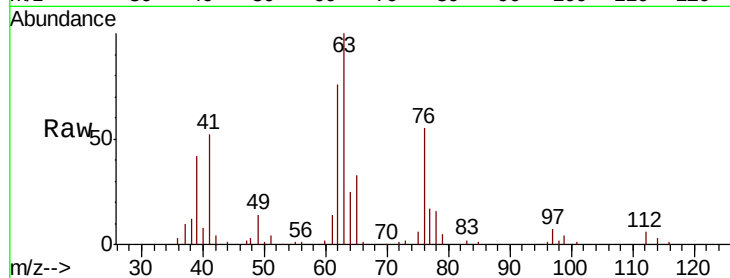




#39
 1,2-Dichloropropane
 Concen: 20.791 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

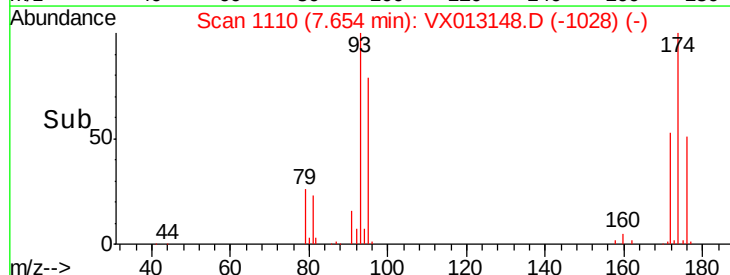
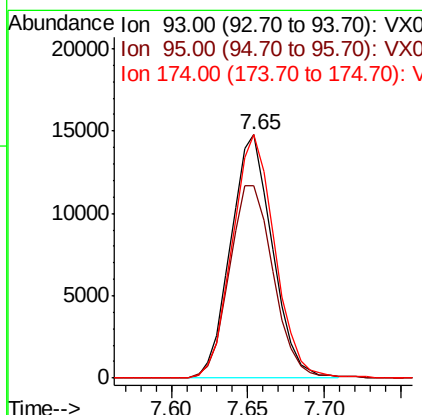
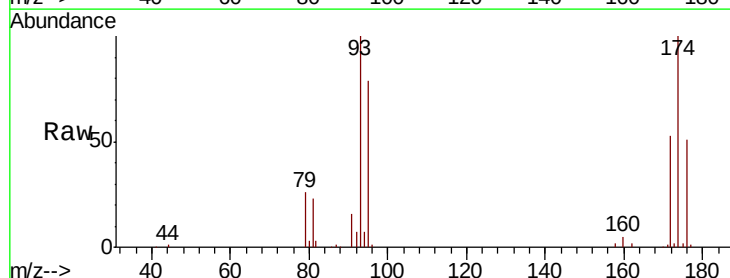
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

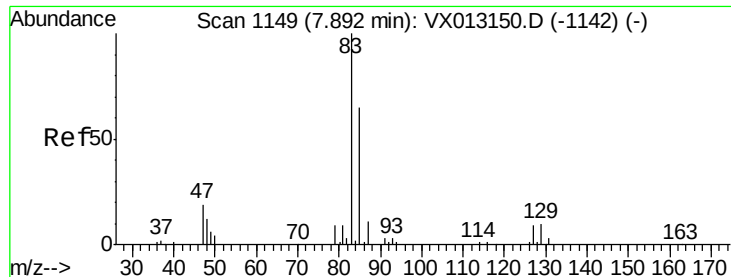
Tot Ion: 63 Resp: 38964
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2



#40
 Dibromomethane
 Concen: 21.571 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 93 Resp: 27951
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 166.0
 174 102.0 0.0 208.8





#41

Bromodichloromethane

Concen: 21.965 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

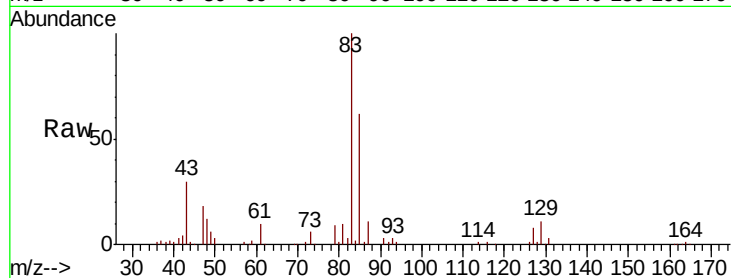
Tot Ion: 83 Resp: 56486

Ion Ratio Lower Upper

83 100

85 62.2 52.1 78.1

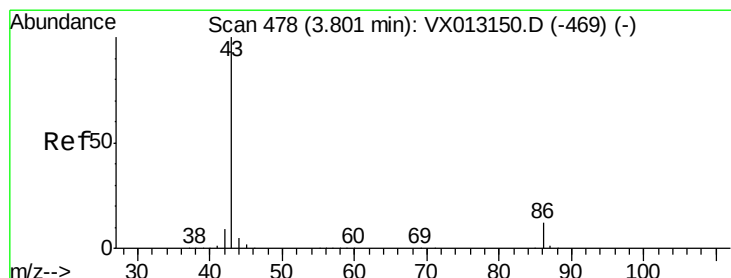
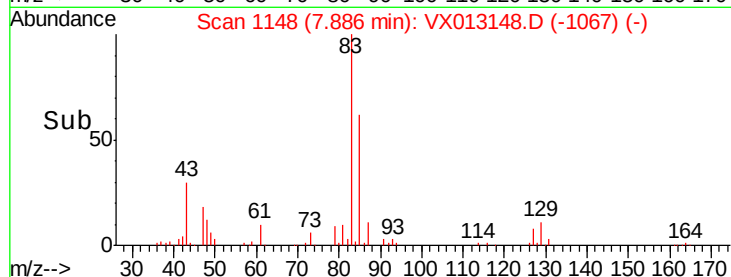
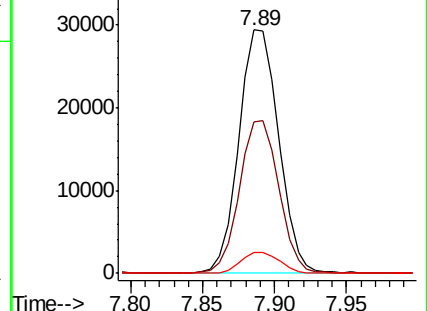
127 8.3 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.100 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013148.D

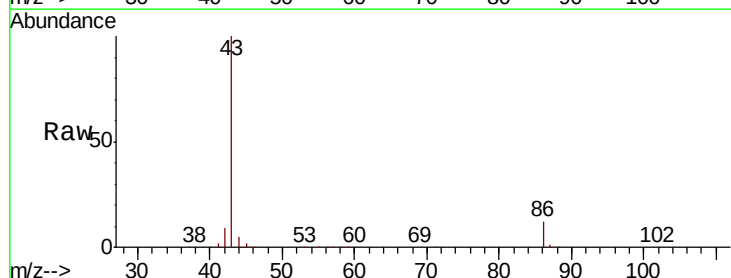
Acq: 21 Oct 2019 11:43

Tgt Ion: 43 Resp: 496422

Ion Ratio Lower Upper

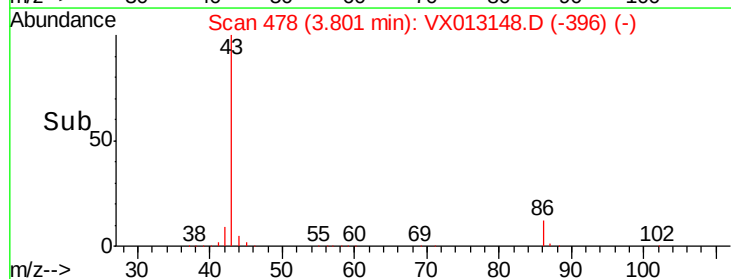
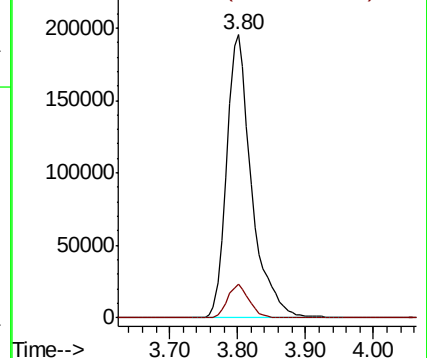
43 100

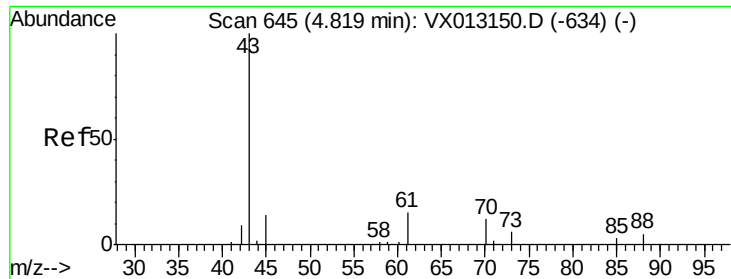
86 10.4 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 19.657 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

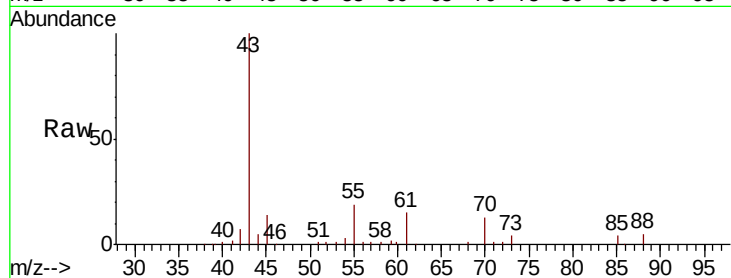
VSTDCCC020

Tot Ion: 43 Resp: 52247

Ion Ratio Lower Upper

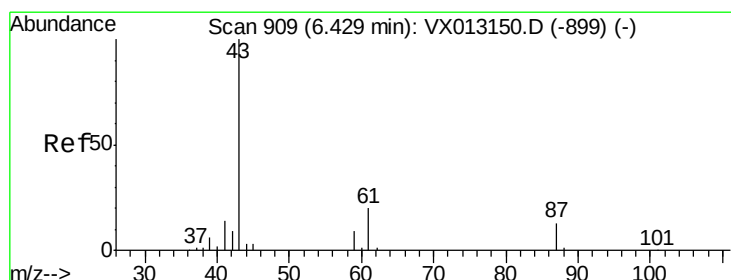
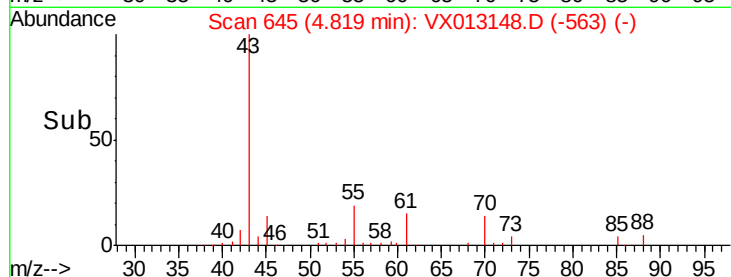
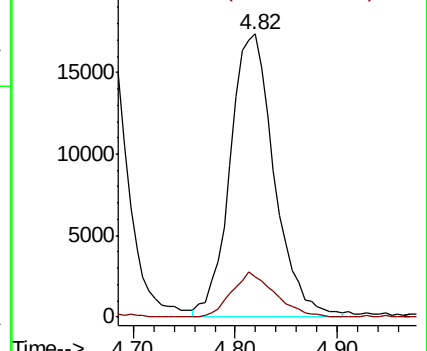
43 100

45 15.7 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 19.966 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX013148.D

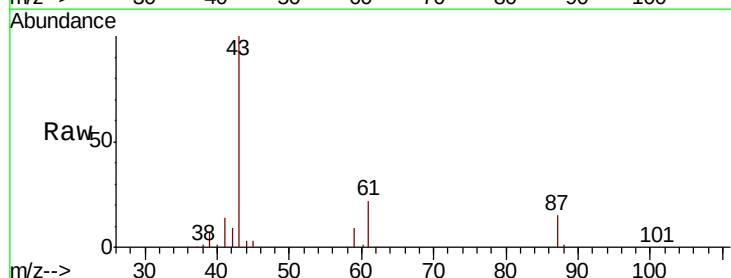
Acq: 21 Oct 2019 11:43

Tgt Ion: 43 Resp: 85819

Ion Ratio Lower Upper

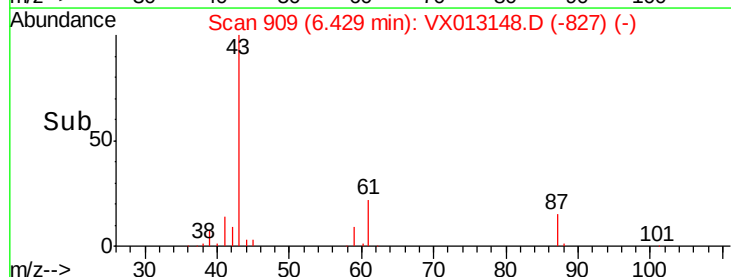
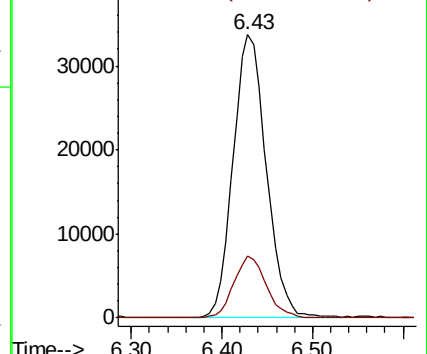
43 100

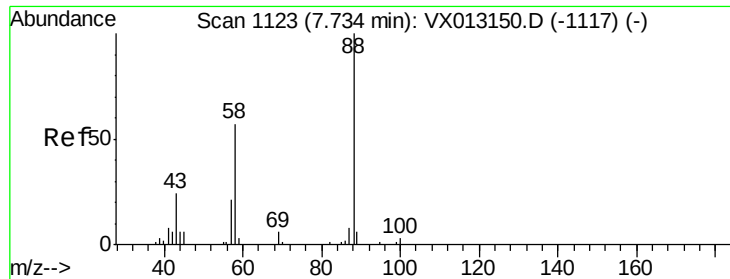
61 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

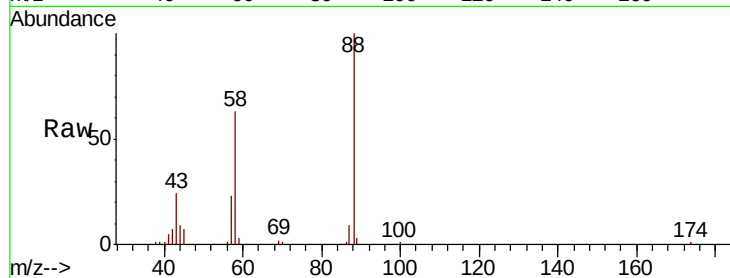




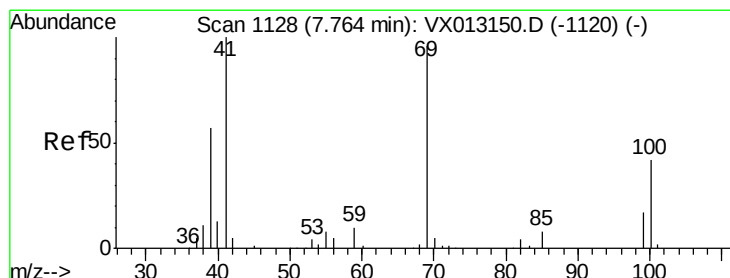
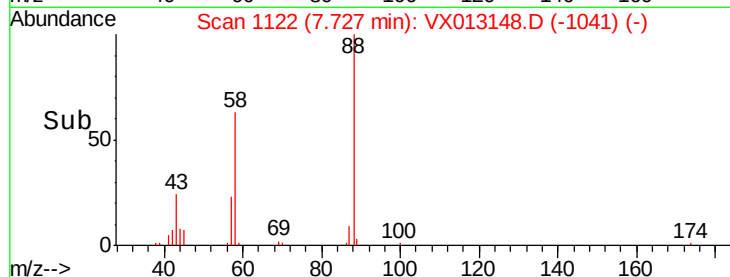
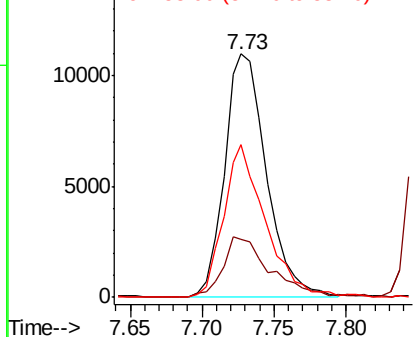
#45
1,4-Dioxane
Concen: 414.476 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 88 Resp: 22279
Ion Ratio Lower Upper
88 100
43 27.9 24.0 36.0
58 61.3 52.8 79.2

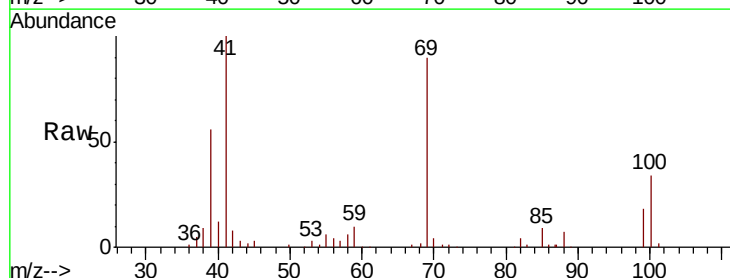


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

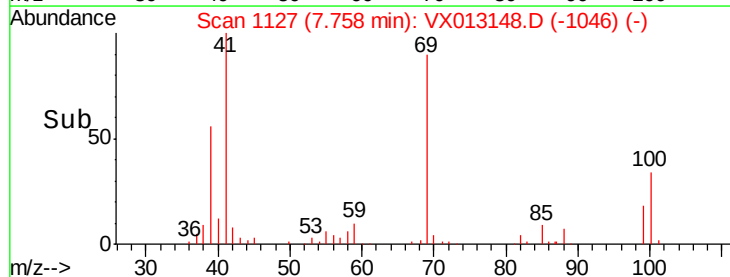
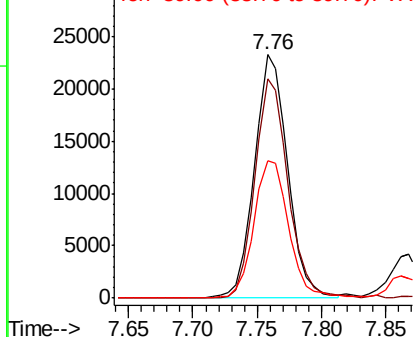


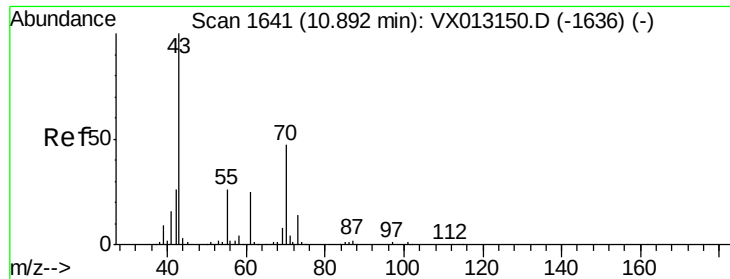
#46
Methyl methacrylate
Concen: 19.526 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 41 Resp: 41362
Ion Ratio Lower Upper
41 100
69 90.0 47.8 143.3
39 56.3 28.5 85.5



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





#47

n-amvl Acetate

Concen: 19.438 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

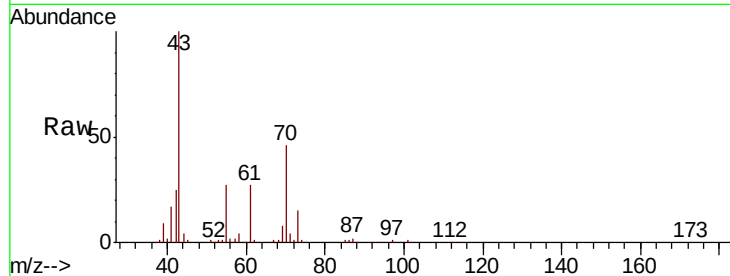
VSTDCCC020

Tot Ion: 43 Resp: 71198

Ion Ratio Lower Upper

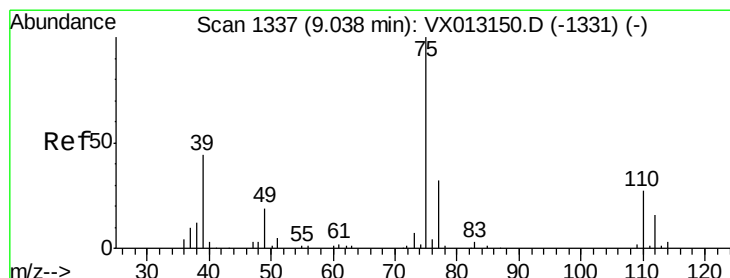
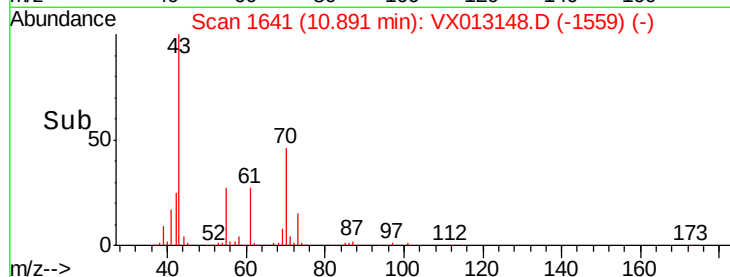
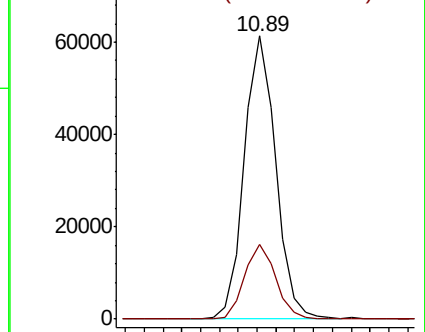
43 100

55 26.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 21.040 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013148.D

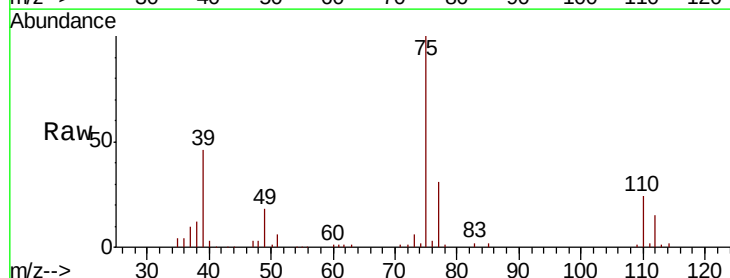
Acq: 21 Oct 2019 11:43

Tgt Ion: 75 Resp: 59802

Ion Ratio Lower Upper

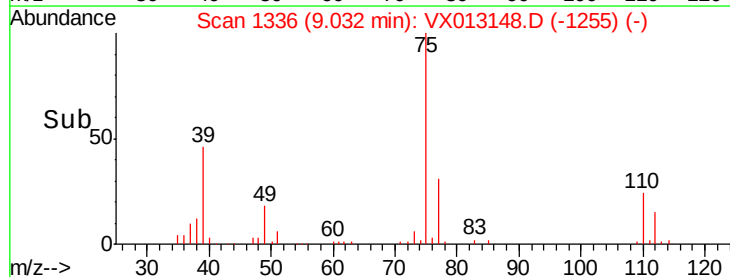
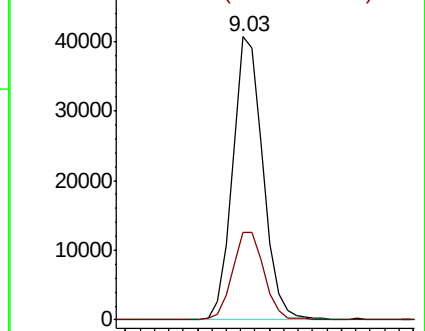
75 100

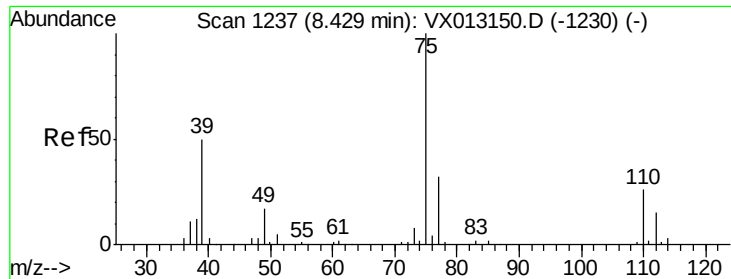
77 31.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

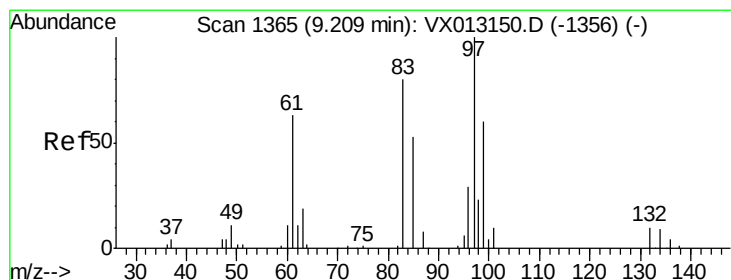
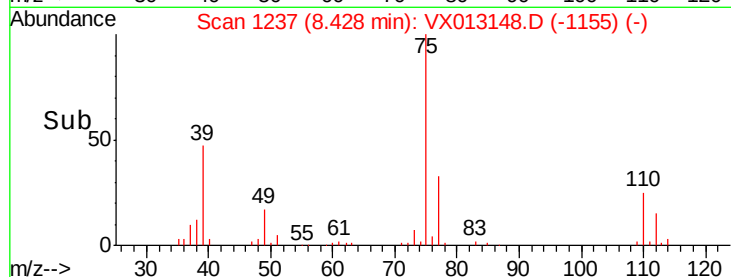
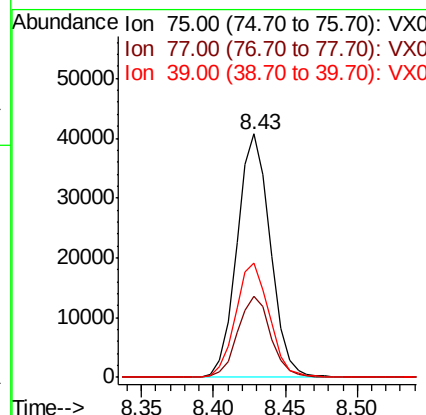
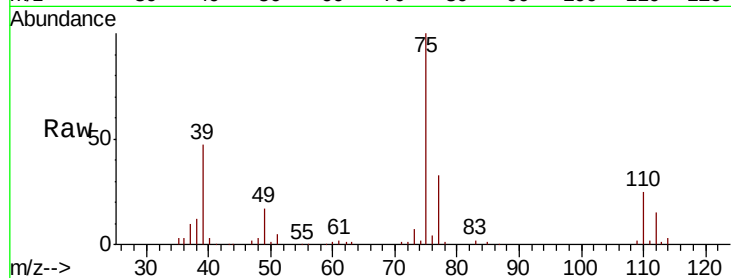




#49
 cis-1,3-Dichloropropene
 Concen: 21.026 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

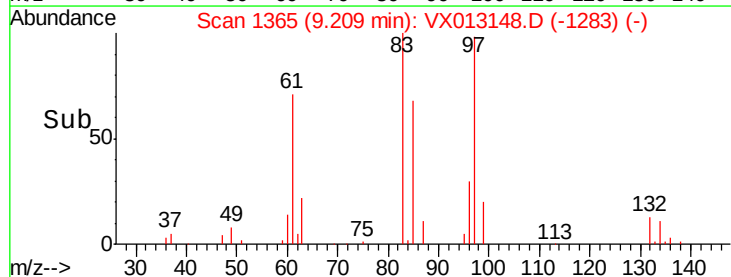
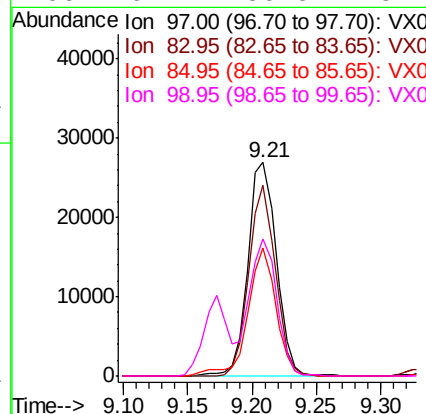
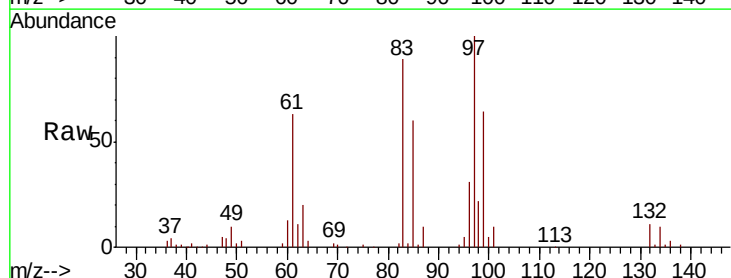
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

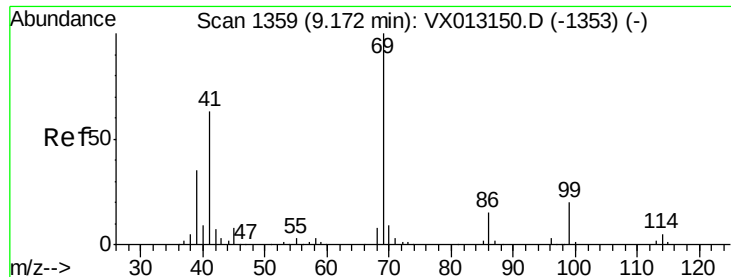
Tot Ion: 75 Resp: 65679
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.8 38.8
 39 47.2 39.7 59.5



#50
 1,1,2-Trichloroethane
 Concen: 21.067 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 97 Resp: 40953
 Ion Ratio Lower Upper
 97 100
 83 89.2 64.2 96.4
 85 60.1 42.7 64.1
 99 64.2 50.5 75.7





#51

Ethyl methacrylate

Concen: 20.535 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

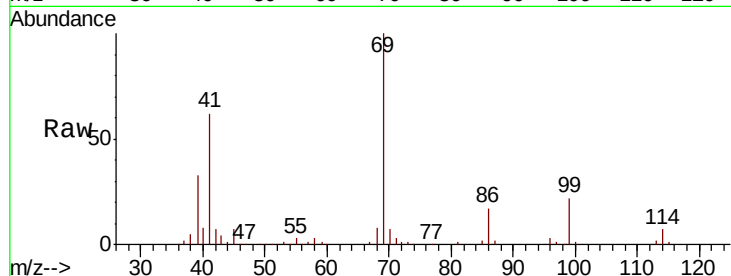
Tot Ion: 69 Resp: 62695

Ion Ratio Lower Upper

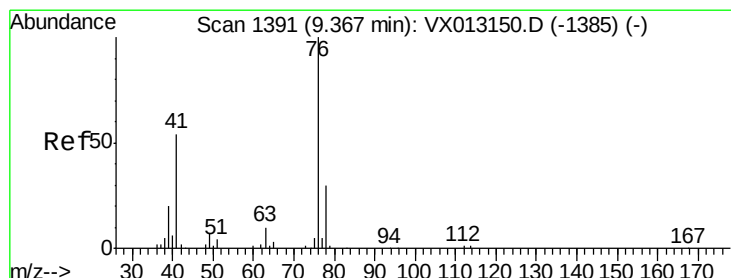
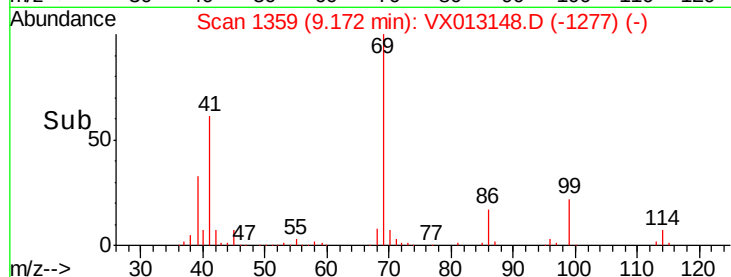
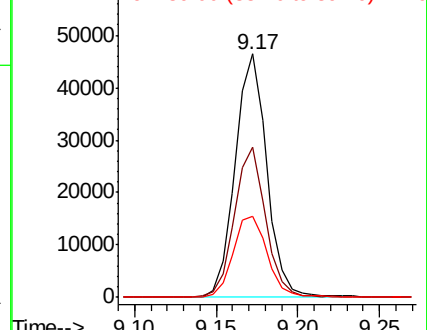
69 100

41 61.6 31.6 95.0

39 33.1 17.7 53.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.358 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013148.D

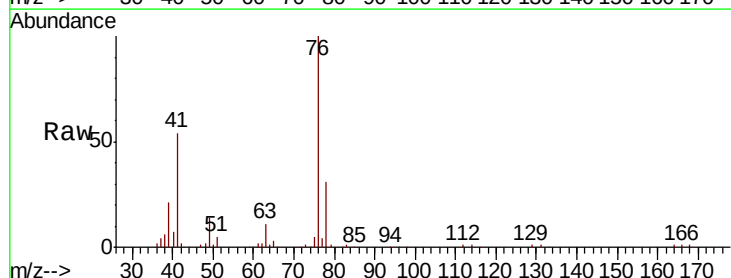
Acq: 21 Oct 2019 11:43

Tgt Ion: 76 Resp: 69488

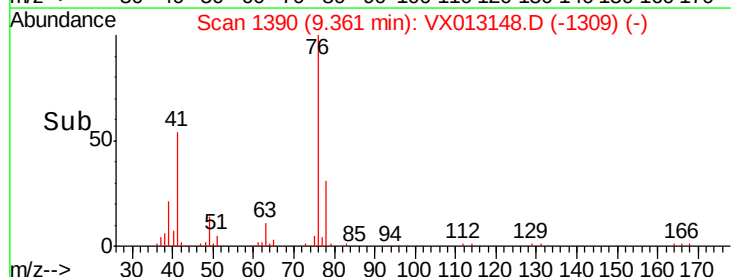
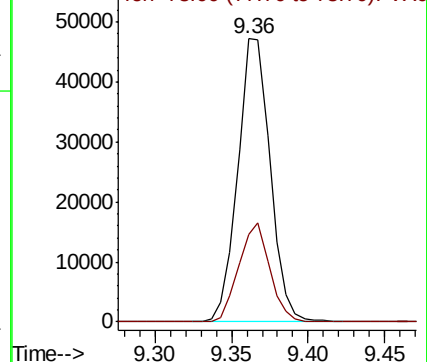
Ion Ratio Lower Upper

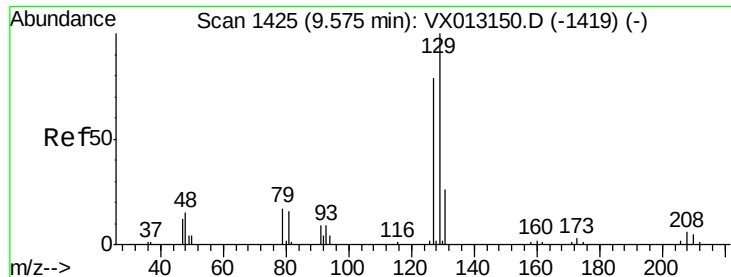
76 100

78 33.3 0.0 64.6



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 21.524 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

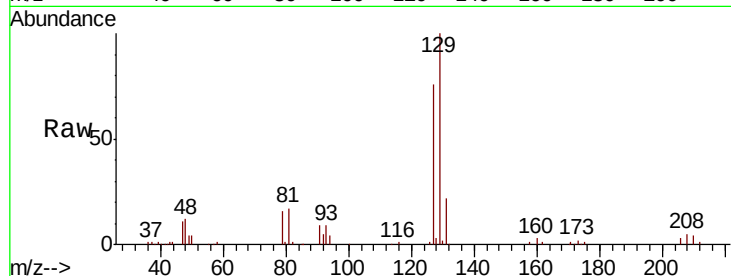
VSTDCCC020

Tot Ion:129 Resp: 43244

Ion Ratio Lower Upper

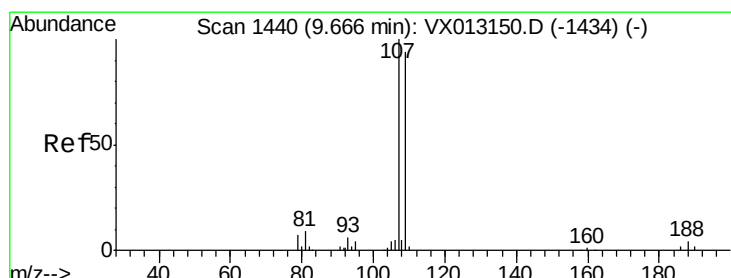
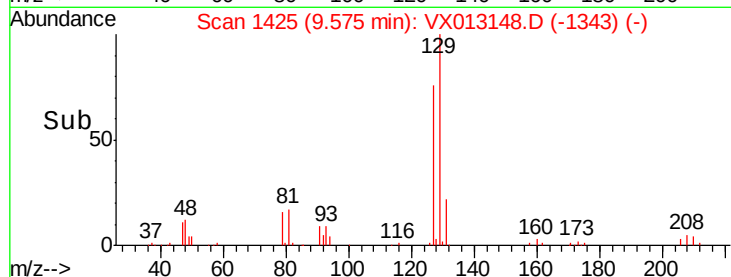
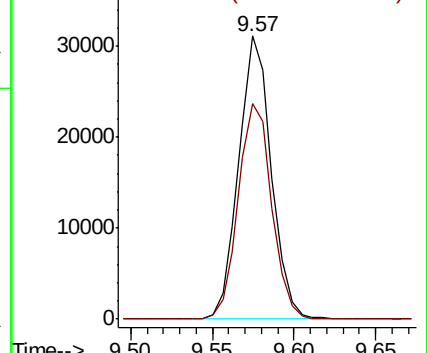
129 100

127 78.0 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.118 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013148.D

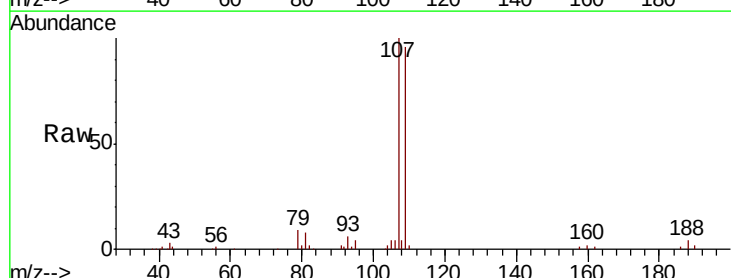
Acq: 21 Oct 2019 11:43

Tgt Ion:107 Resp: 43143

Ion Ratio Lower Upper

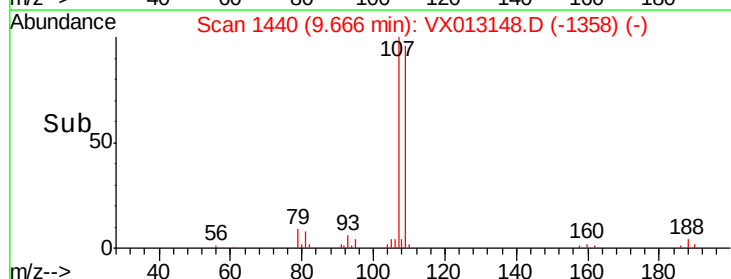
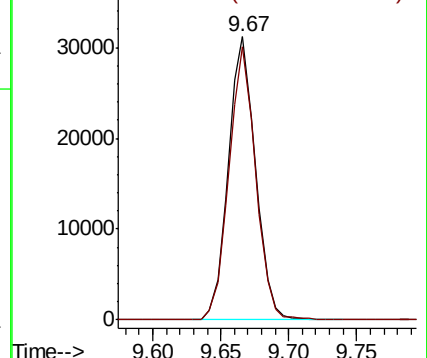
107 100

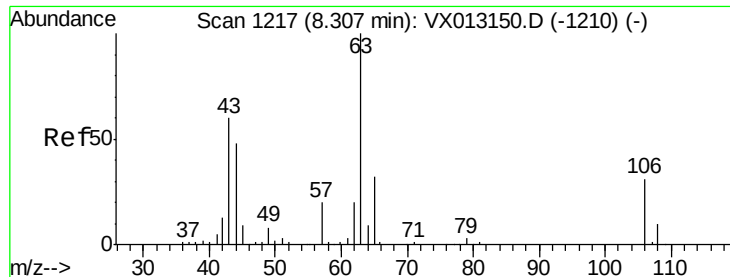
109 95.0 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

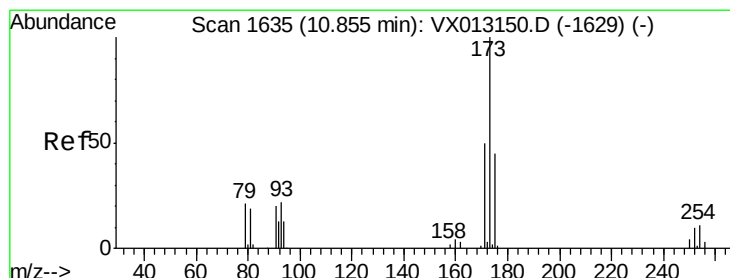
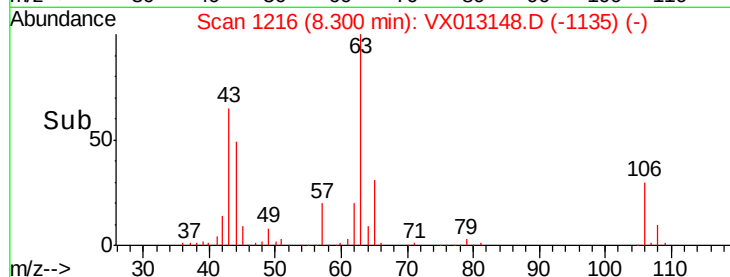
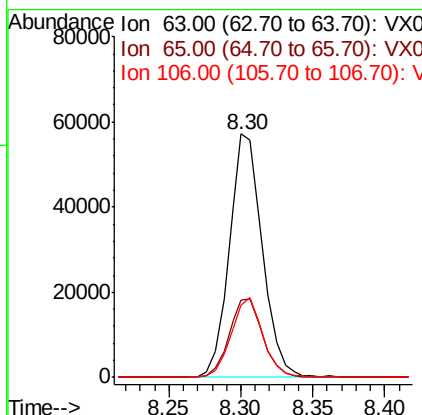
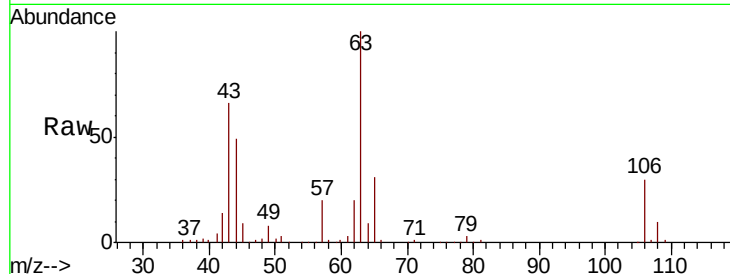




#55
2-Chloroethyl vinyl ether
Concen: 69.624 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

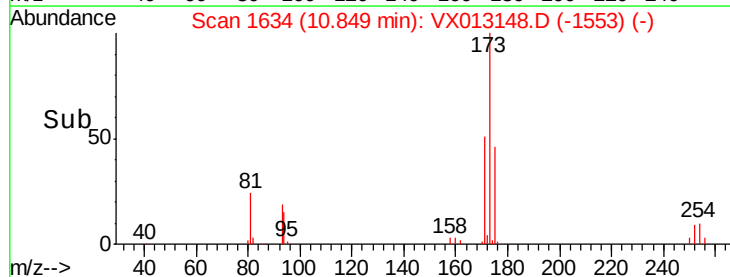
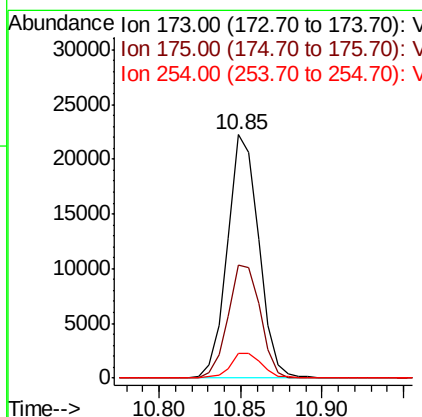
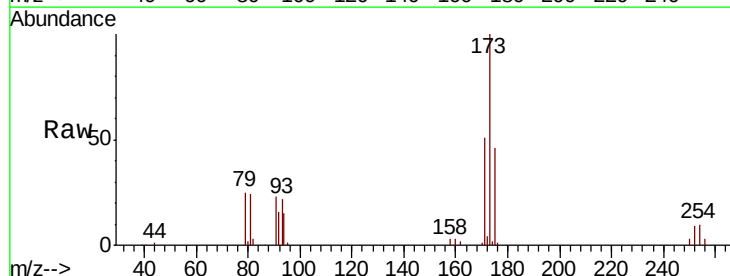
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

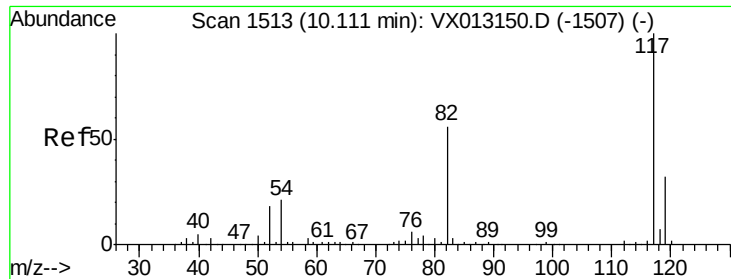
Tot Ion: 63 Resp: 91452
Ion Ratio Lower Upper
63 100
65 32.7 25.5 38.3
106 31.5 24.8 37.2



#56
Bromoform
Concen: 21.208 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 173 Resp: 29727
Ion Ratio Lower Upper
173 100
175 47.5 39.0 58.4
254 10.2 8.1 12.1

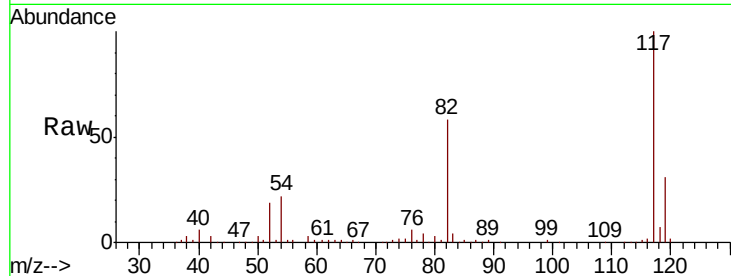




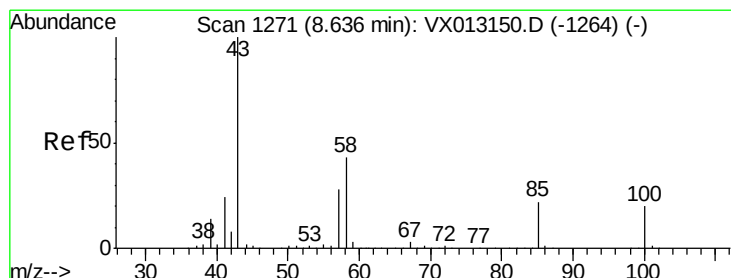
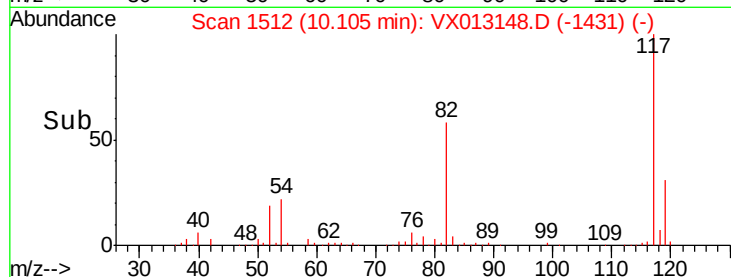
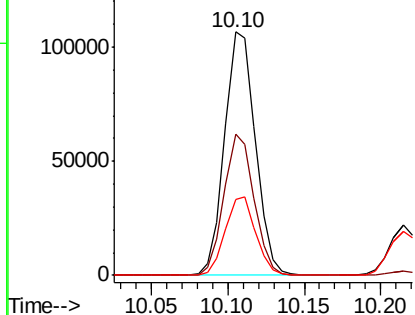
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 149182
Ion Ratio Lower Upper
117 100
82 56.6 46.0 69.0
119 32.0 25.4 38.0

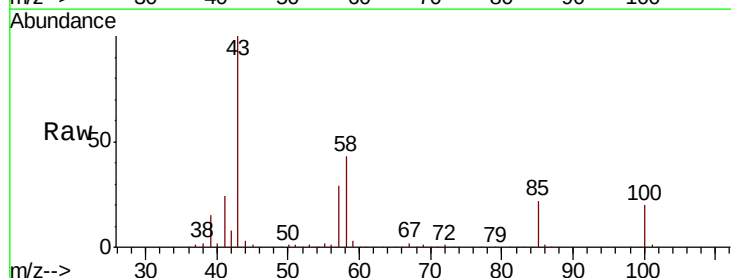


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

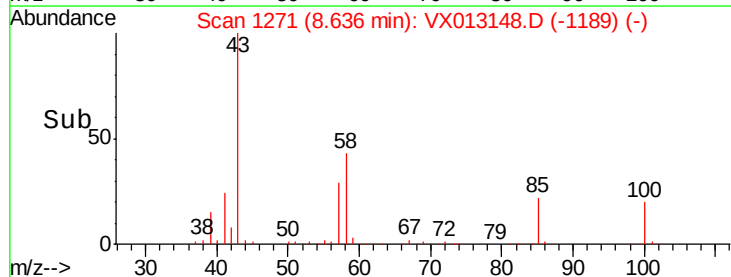
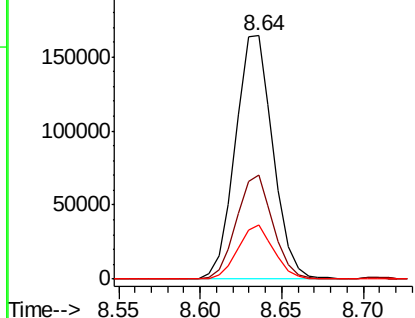


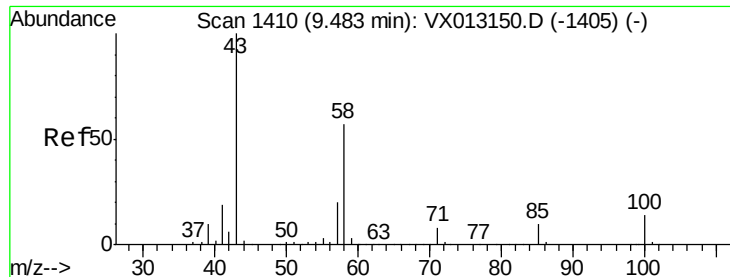
#58
4-Methyl-2-Pentanone
Concen: 98.050 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 43 Resp: 263608
Ion Ratio Lower Upper
43 100
58 41.4 33.8 50.8
85 21.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

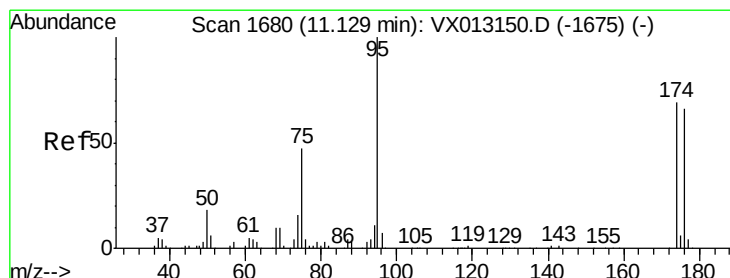
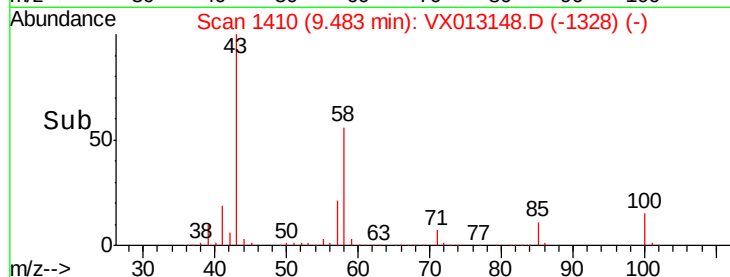
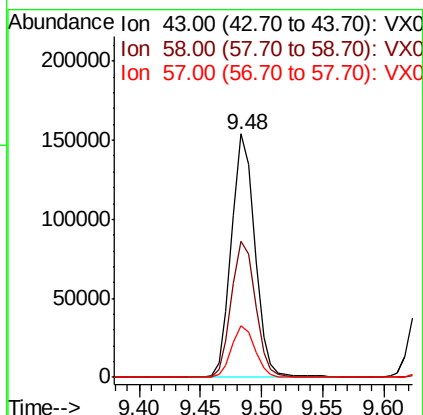
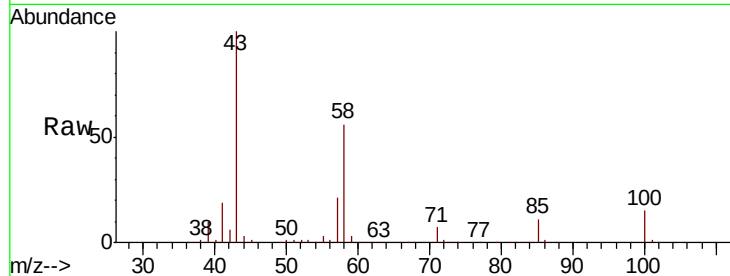




#59
2-Hexanone
Concen: 97.591 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

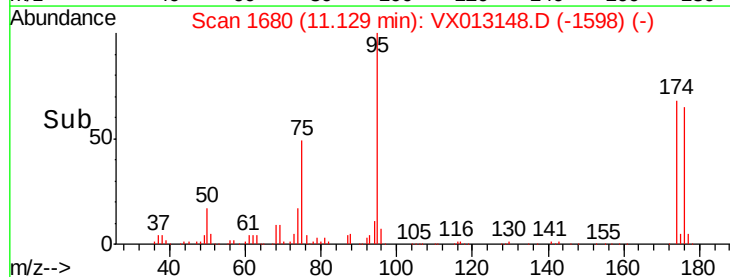
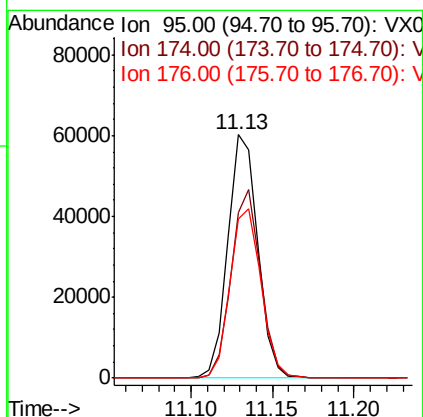
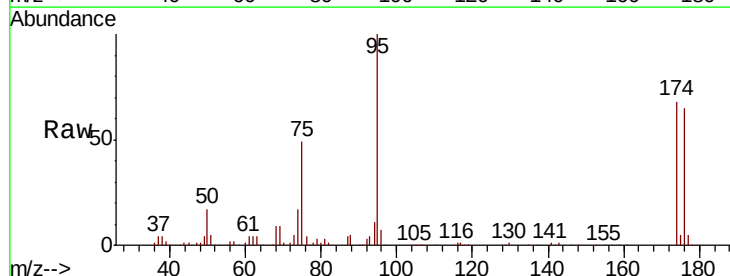
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

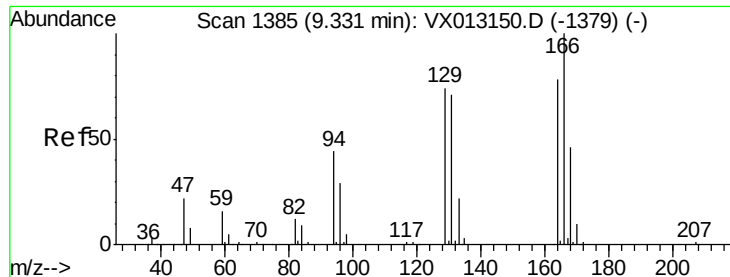
Tot Ion: 43 Resp: 204347
Ion Ratio Lower Upper
43 100
58 57.4 46.6 69.8
57 21.1 16.9 25.3



#60
4-Bromofluorobenzene
Concen: 29.470 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 95 Resp: 76931
Ion Ratio Lower Upper
95 100
174 76.2 60.0 90.0
176 72.1 58.5 87.7





#61

Tetrachloroethene

Concen: 23.498 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 45001

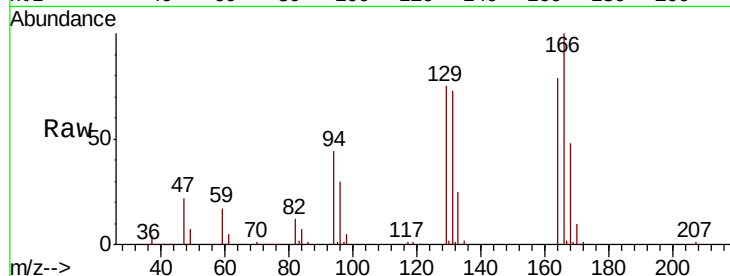
Ion Ratio Lower Upper

164 100

166 125.9 102.6 153.8

129 94.3 75.7 113.5

131 91.5 72.4 108.6

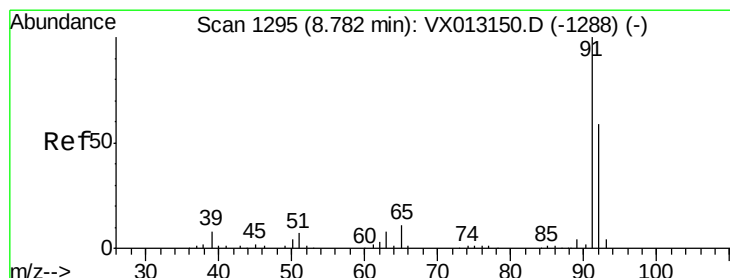
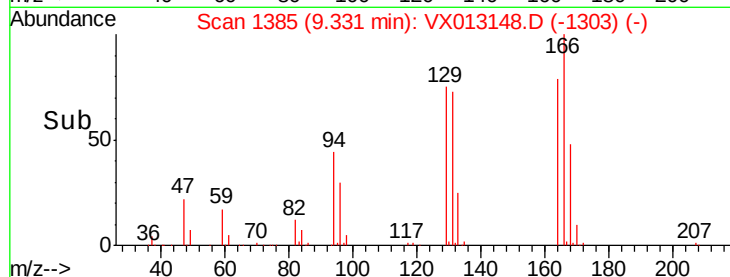
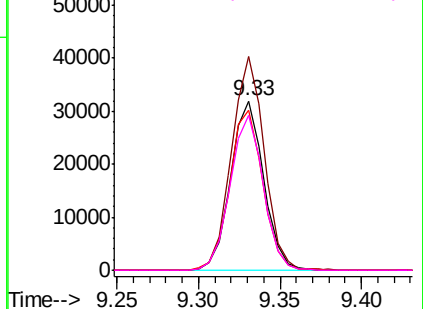


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.437 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013148.D

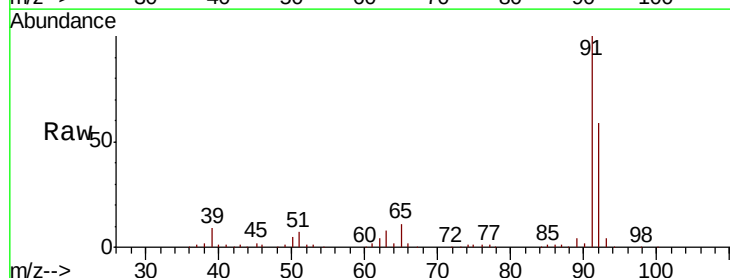
Acq: 21 Oct 2019 11:43

Tgt Ion: 91 Resp: 173864

Ion Ratio Lower Upper

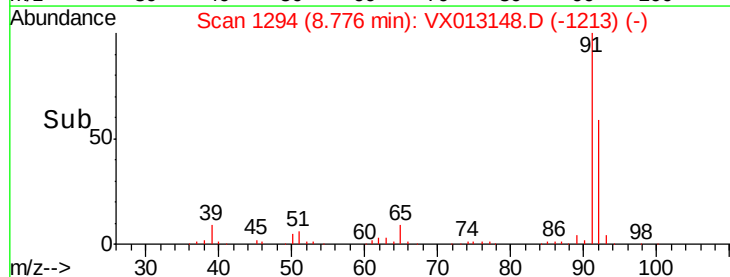
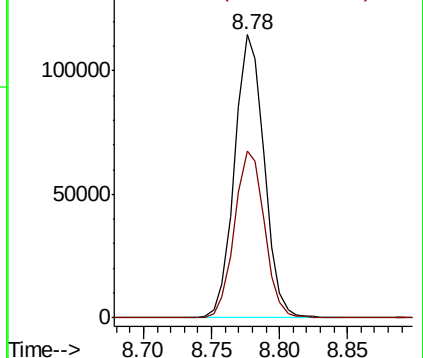
91 100

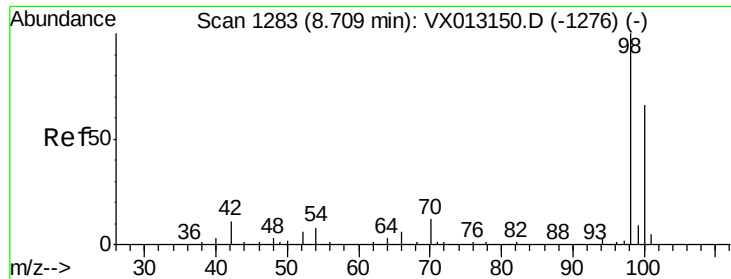
92 59.8 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.788 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

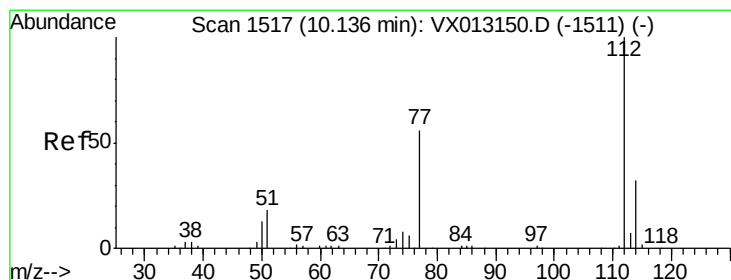
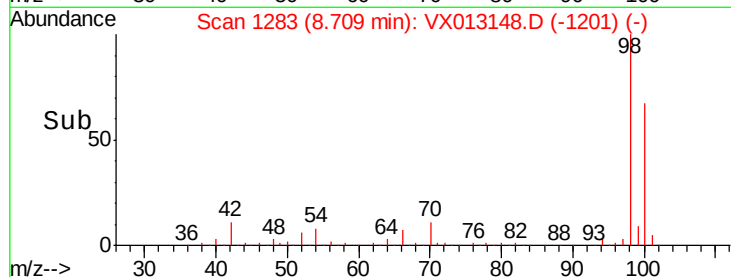
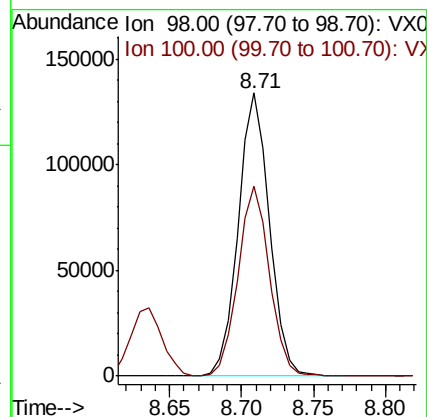
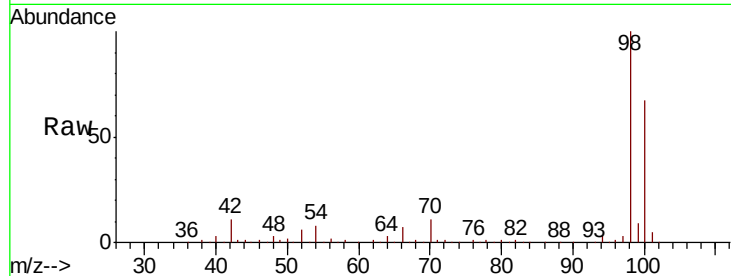
VSTDCCC020

Tot Ion: 98 Resp: 201928

Ion Ratio Lower Upper

98 100

100 67.5 53.1 79.7



#64

Chlorobenzene

Concen: 20.893 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX013148.D

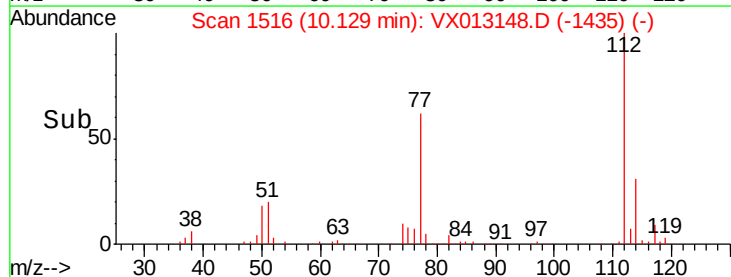
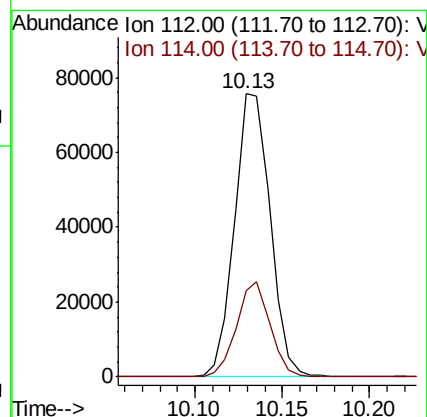
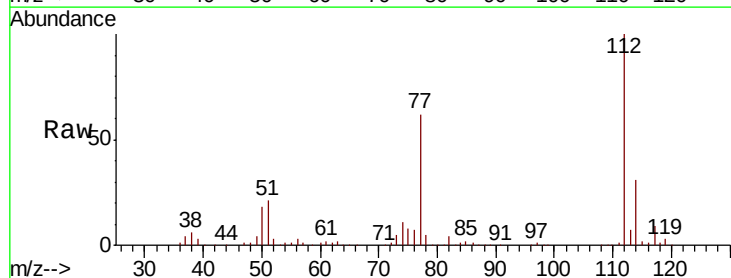
Acq: 21 Oct 2019 11:43

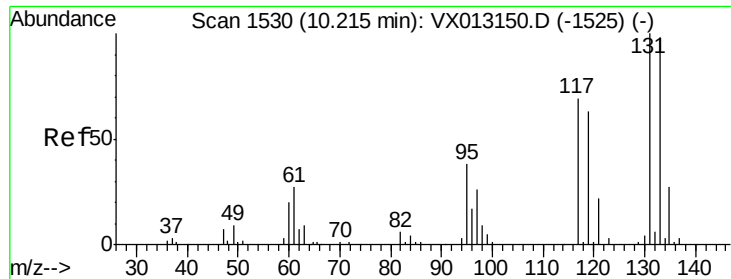
Tgt Ion: 112 Resp: 107764

Ion Ratio Lower Upper

112 100

114 30.4 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.572 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

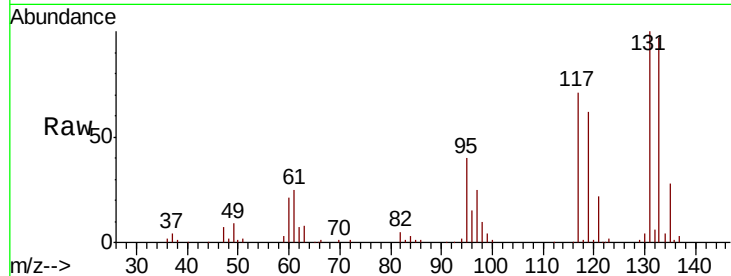
Tot Ion:131 Resp: 41113

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.0

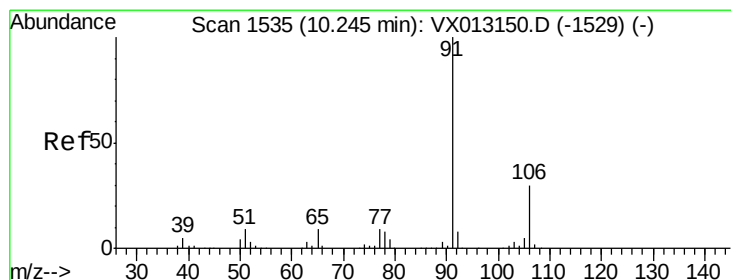
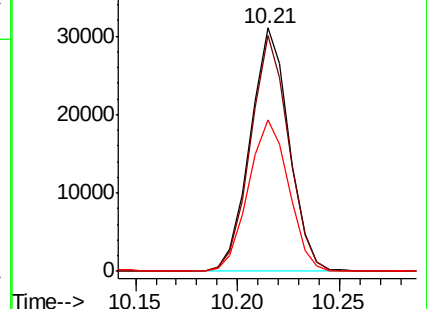
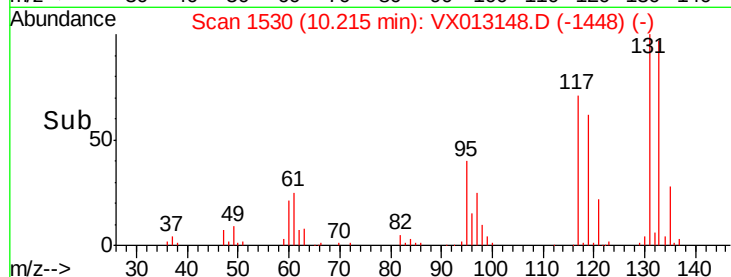
119 64.5 0.0 125.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.306 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013148.D

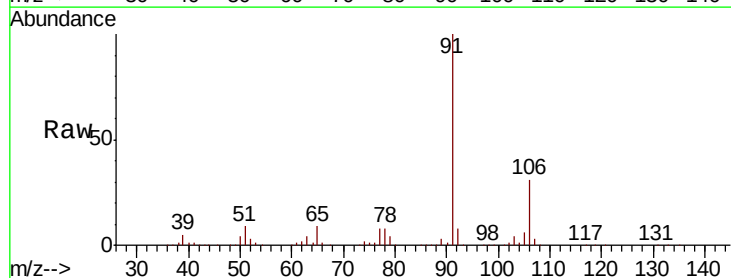
Acq: 21 Oct 2019 11:43

Tgt Ion: 91 Resp: 197831

Ion Ratio Lower Upper

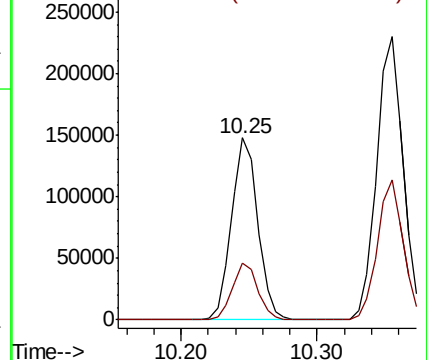
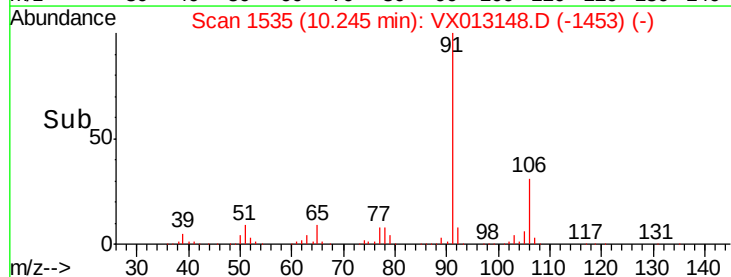
91 100

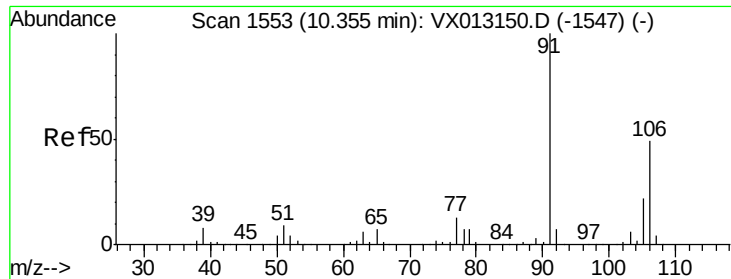
106 31.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

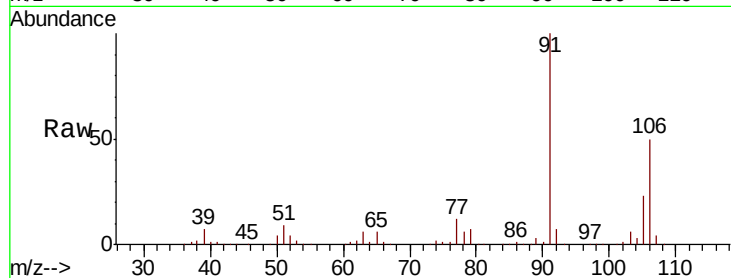




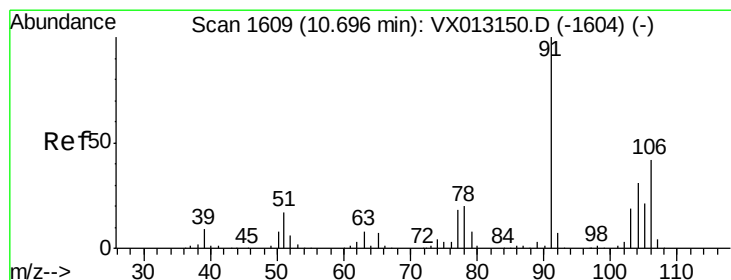
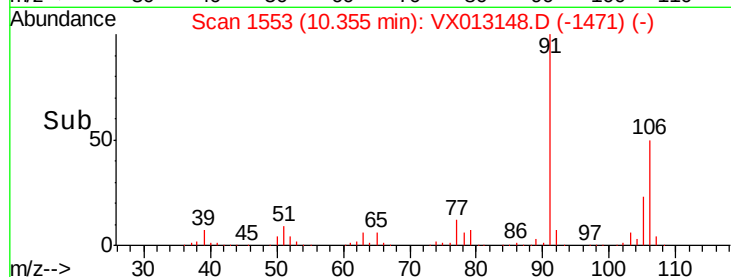
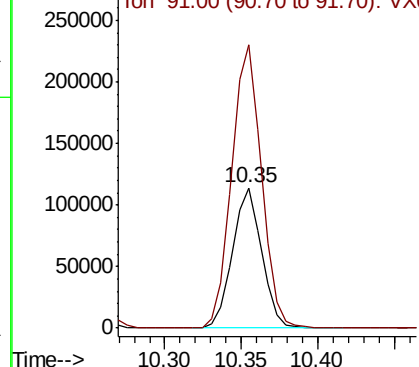
#67
m/p-Xylenes
Concen: 43.158 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion:106 Resp: 151057
Ion Ratio Lower Upper
106 100
91 205.2 163.7 245.5

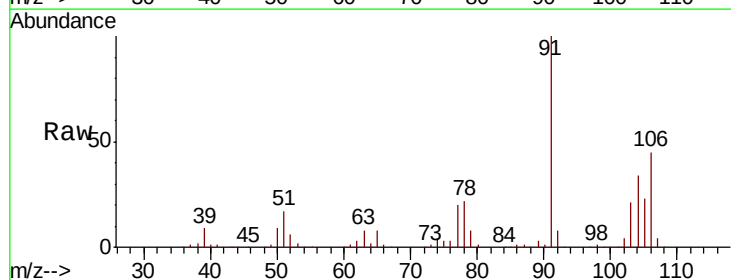


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

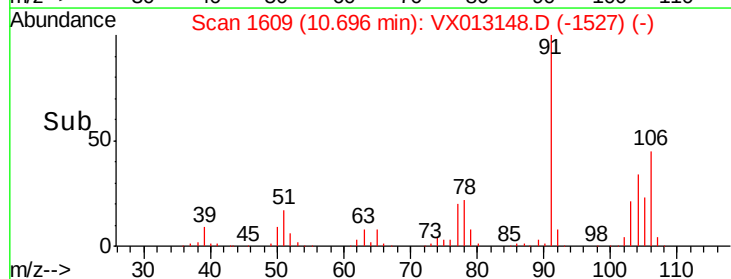
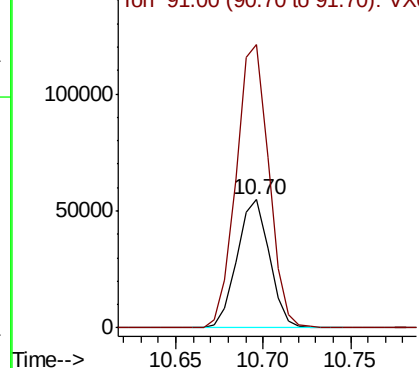


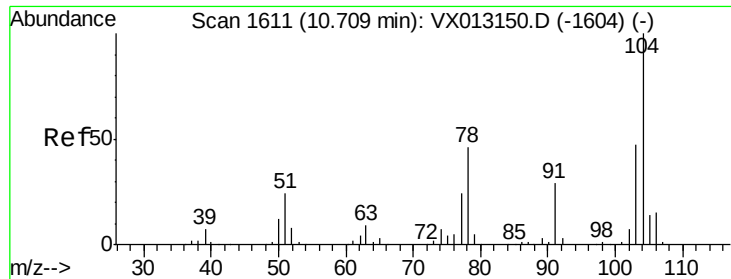
#68
o-Xylene
Concen: 21.014 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion:106 Resp: 70904
Ion Ratio Lower Upper
106 100
91 222.7 113.6 340.8



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

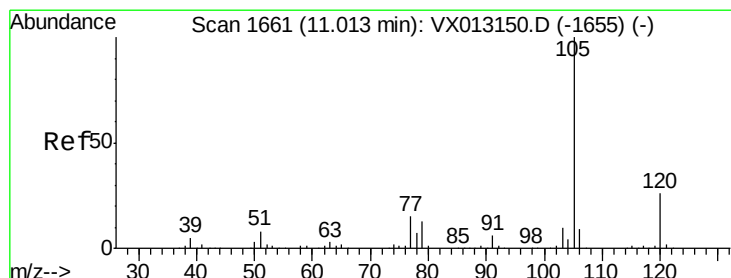
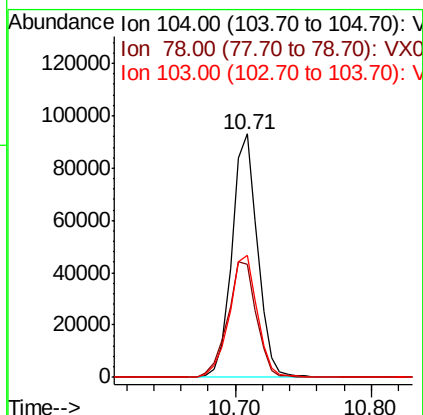
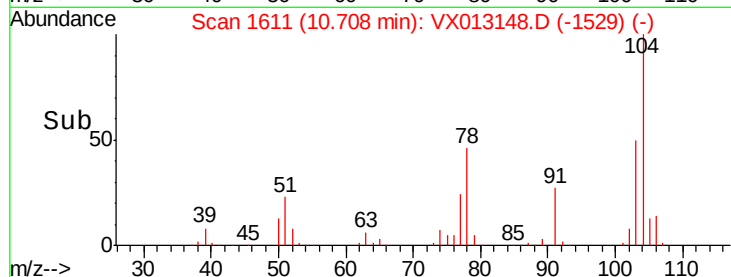
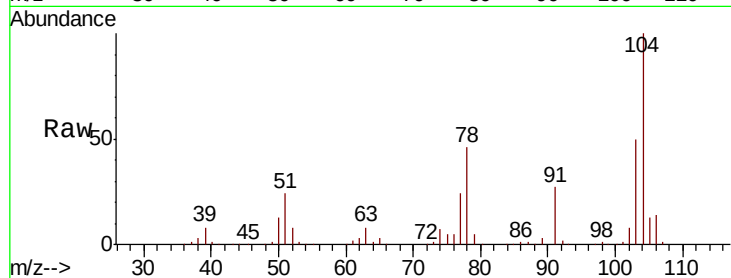




#69
Stvrene
Concen: 20.753 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

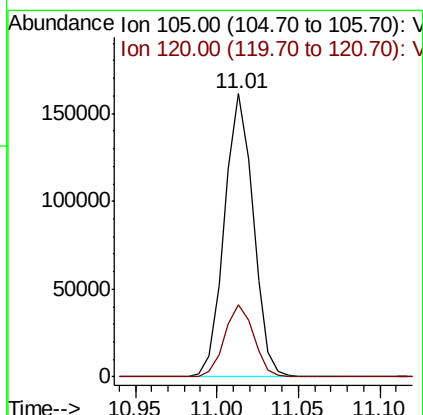
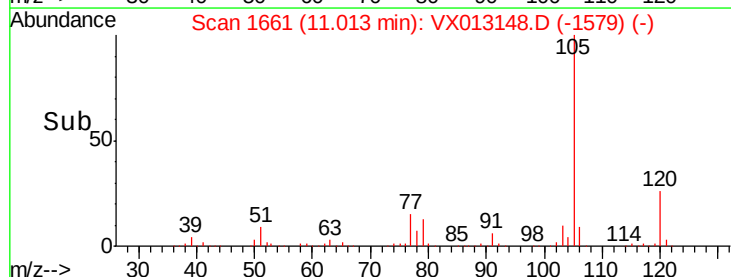
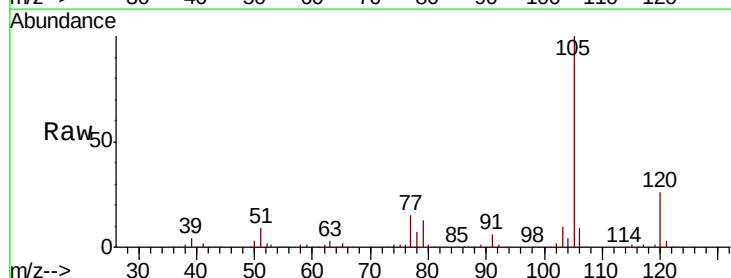
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

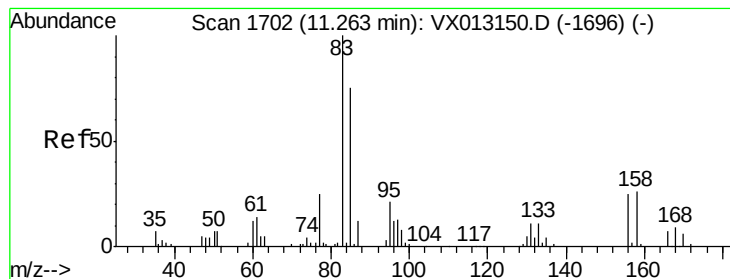
Tot Ion:104 Resp: 121596
Ion Ratio Lower Upper
104 100
78 53.3 42.3 63.5
103 54.8 42.2 63.2



#70
Isopropylbenzene
Concen: 21.738 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion:105 Resp: 198612
Ion Ratio Lower Upper
105 100
120 25.8 18.1 33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.609 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

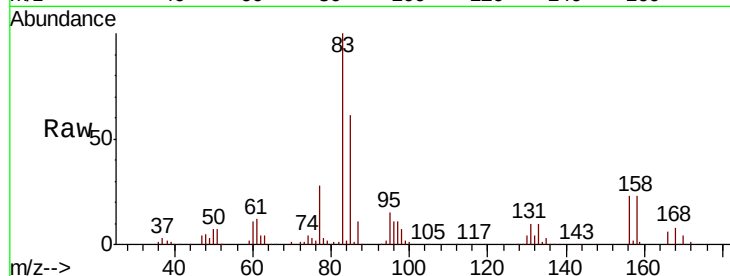
Tot Ion: 83 Resp: 60175

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

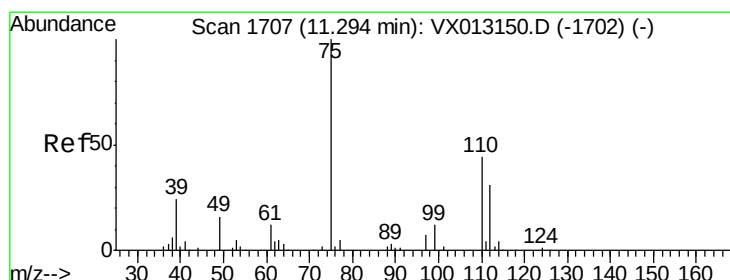
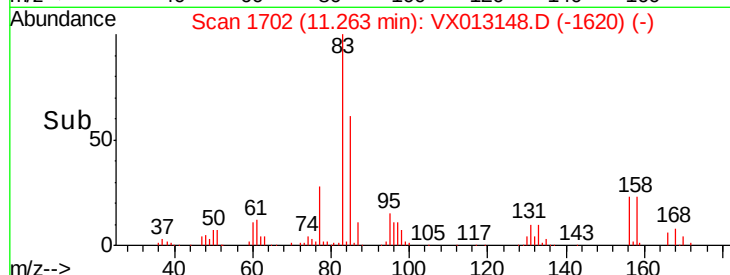
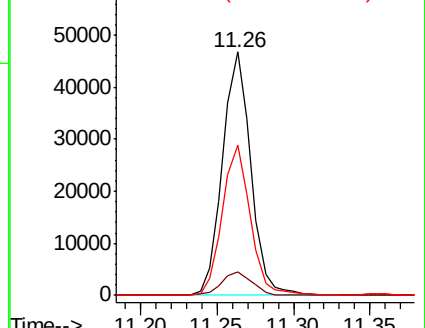
85 61.2 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 27.134 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013148.D

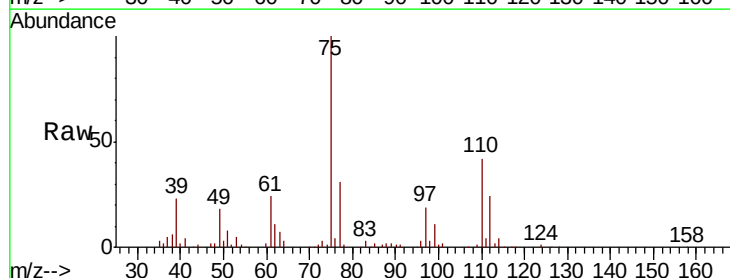
Acq: 21 Oct 2019 11:43

Tgt Ion: 75 Resp: 68612

Ion Ratio Lower Upper

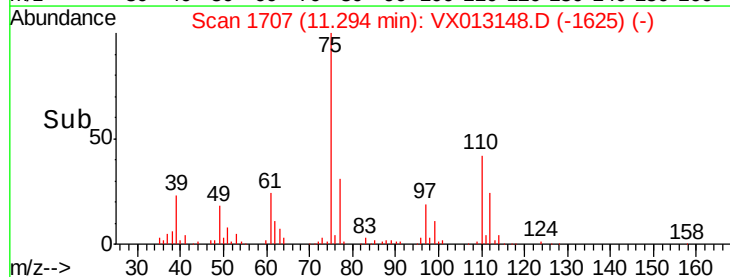
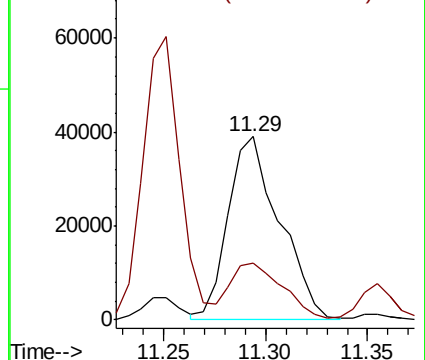
75 100

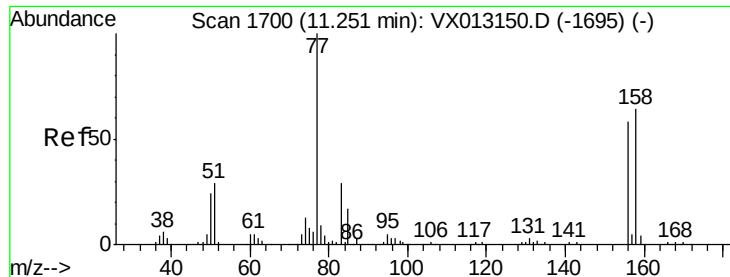
77 31.2 0.0 74.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 21.412 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

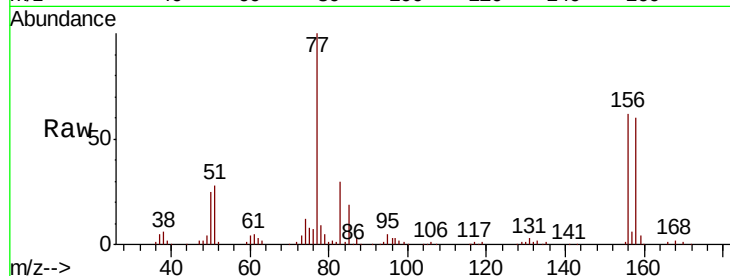
Tot Ion:156 Resp: 46551

Ion Ratio Lower Upper

156 100

77 164.1 0.0 328.0

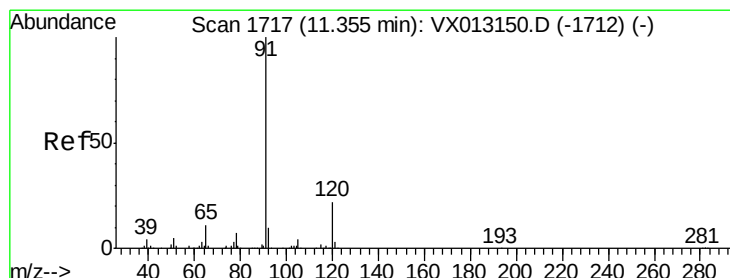
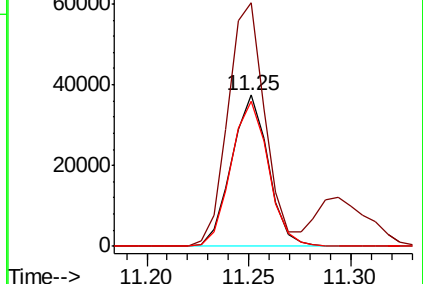
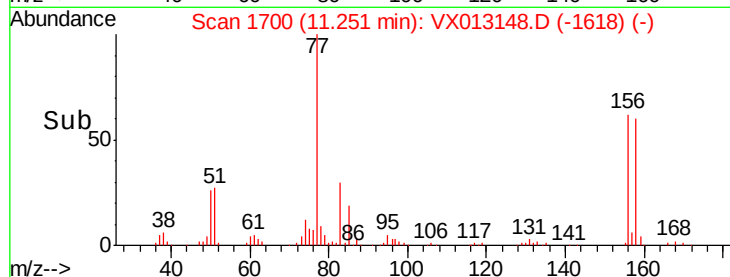
158 97.9 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.689 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013148.D

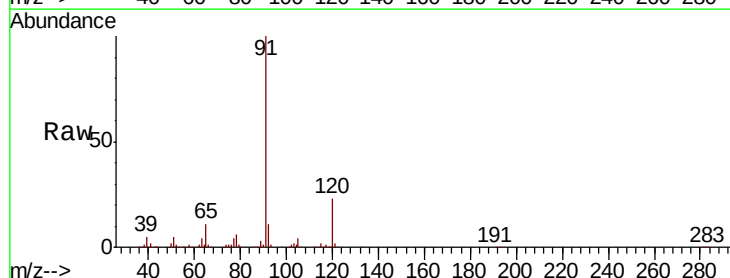
Acq: 21 Oct 2019 11:43

Tgt Ion: 91 Resp: 219706

Ion Ratio Lower Upper

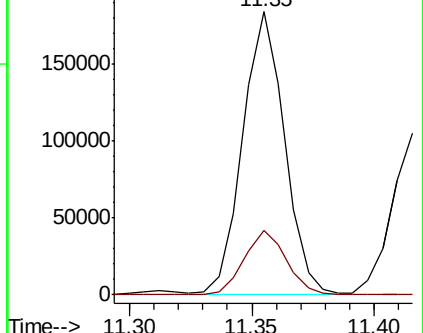
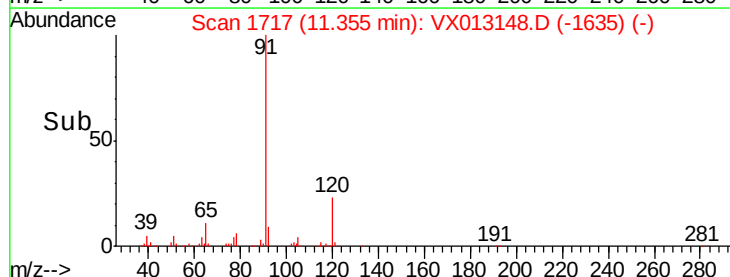
91 100

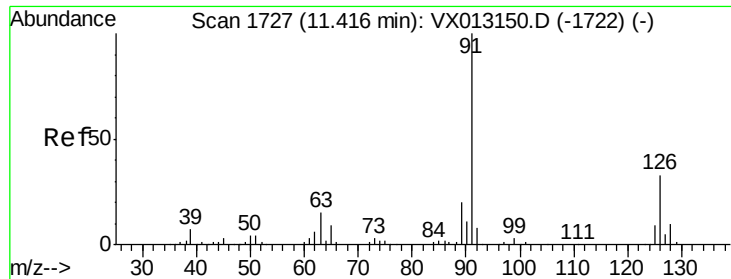
120 22.8 0.0 45.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

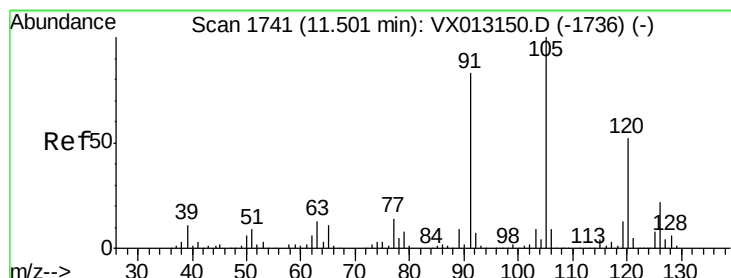
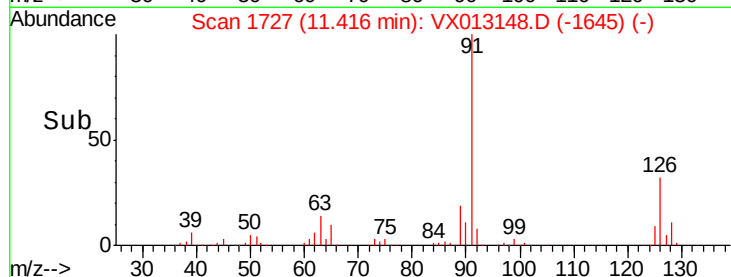
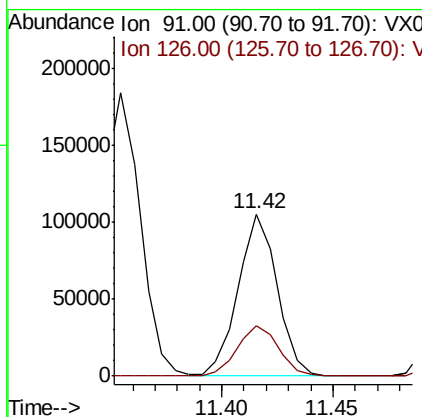
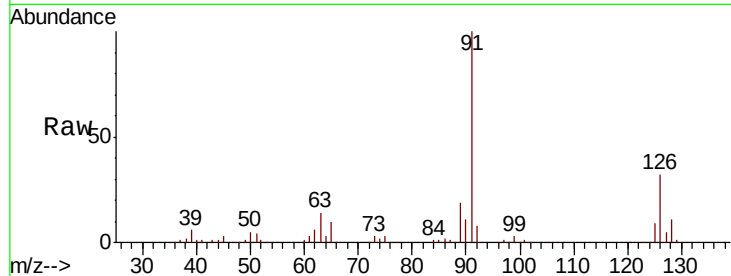




#75
 2-Chlorotoluene
 Concen: 20.725 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

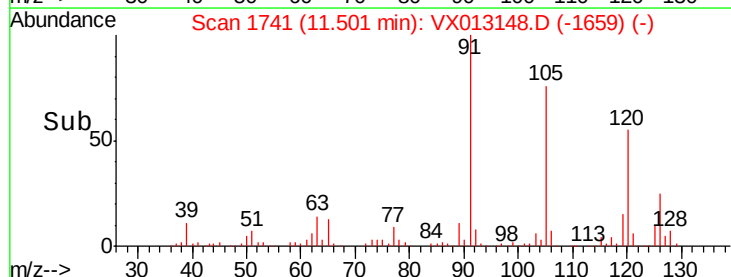
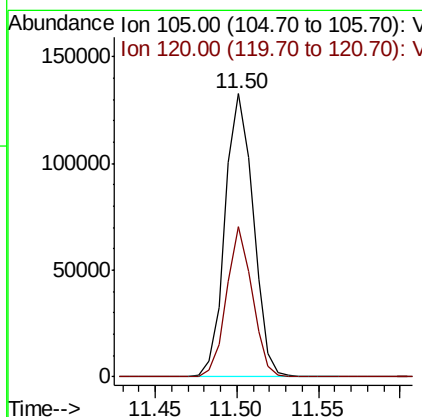
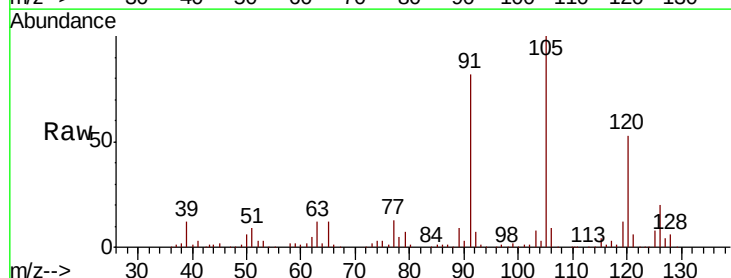
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

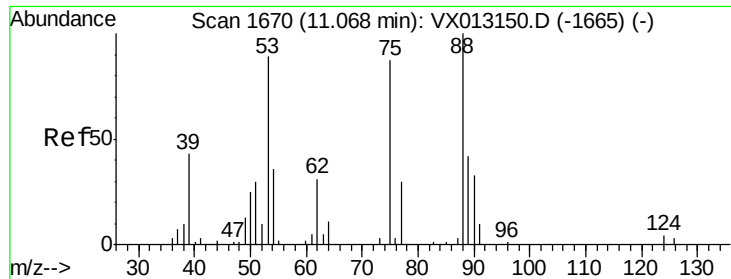
Tot Ion: 91 Resp: 130019
 Ion Ratio Lower Upper
 91 100
 126 33.0 0.0 63.8



#76
 1,3,5-Trimethylbenzene
 Concen: 20.690 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 105 Resp: 159772
 Ion Ratio Lower Upper
 105 100
 120 48.3 0.0 98.0

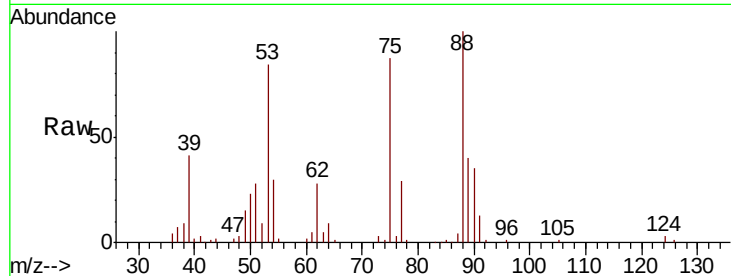




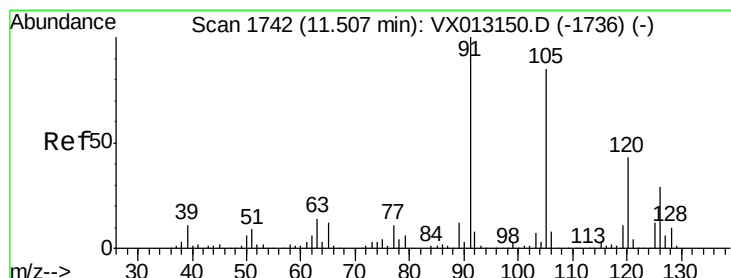
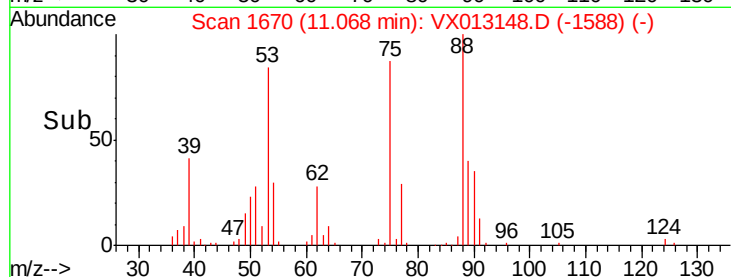
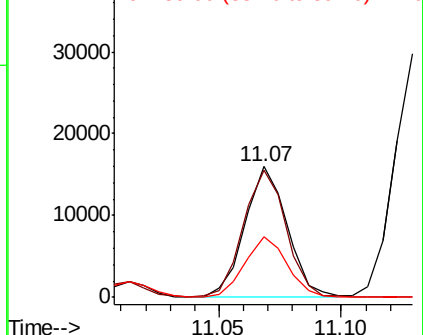
#77
t-1,4-Dichloro-2-butene
Concen: 20.167 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 75 Resp: 19326
Ion Ratio Lower Upper
75 100
53 97.5 51.1 153.4
89 46.6 24.1 72.4

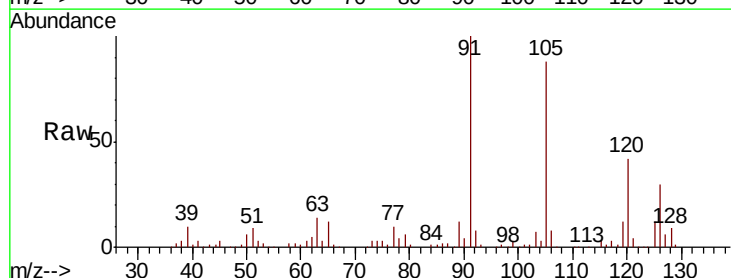


Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0

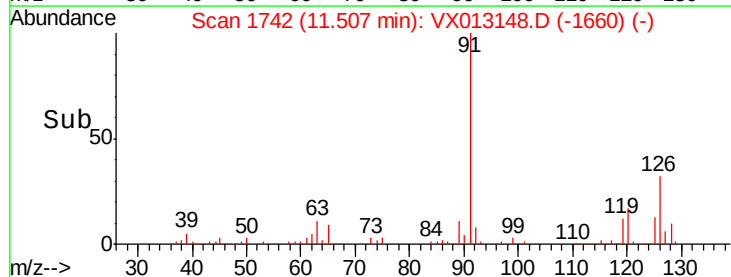
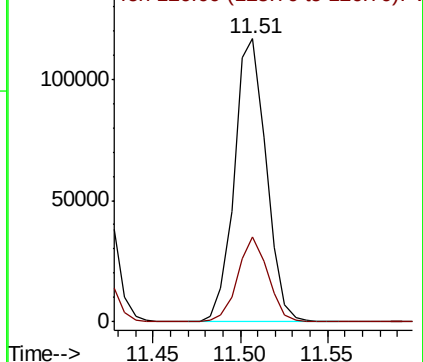


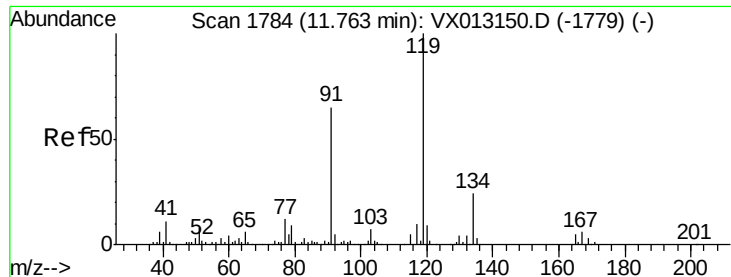
#78
4-Chlorotoluene
Concen: 20.544 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion: 91 Resp: 147937
Ion Ratio Lower Upper
91 100
126 28.7 0.0 58.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V

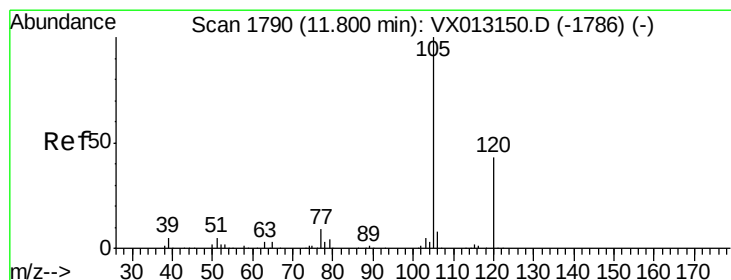
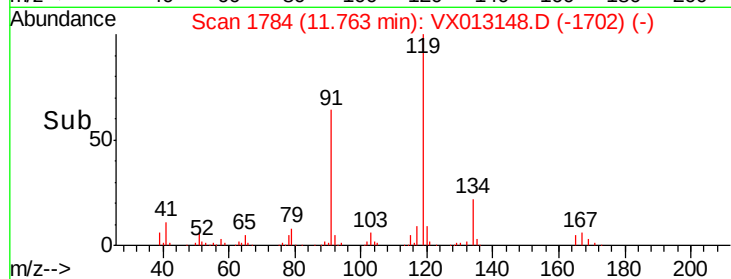
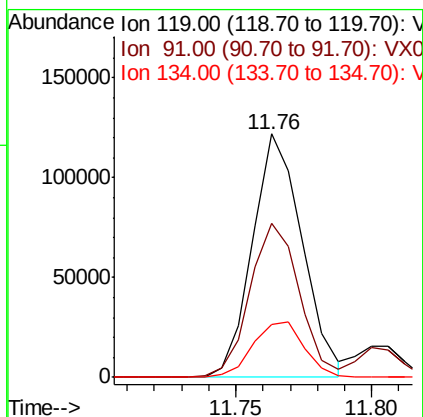
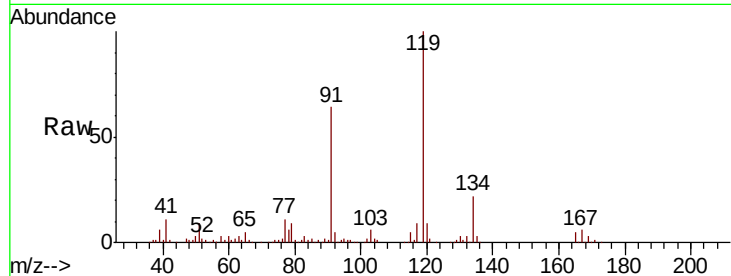




#79
tert-butylbenzene
Concen: 21.336 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

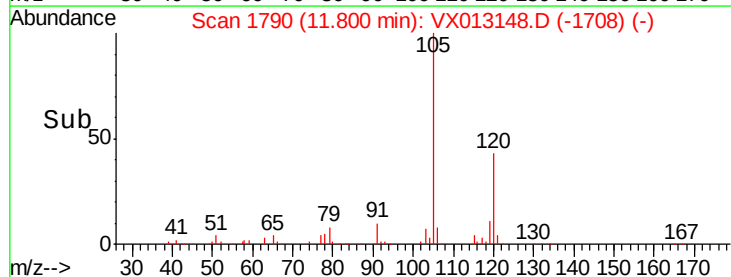
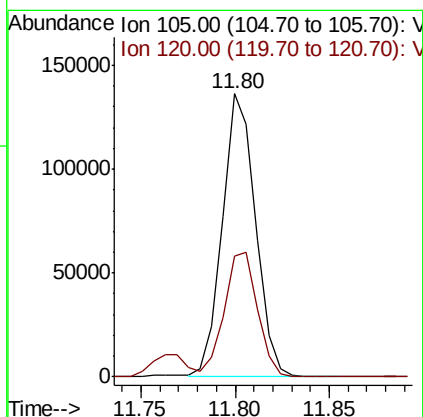
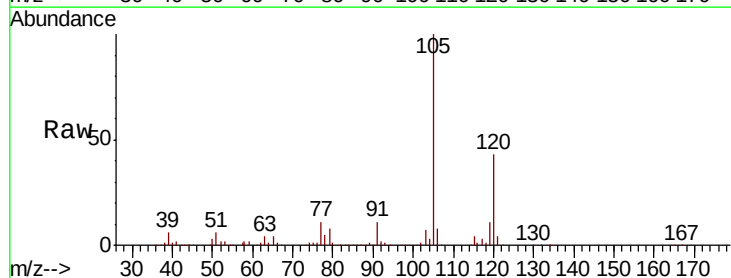
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

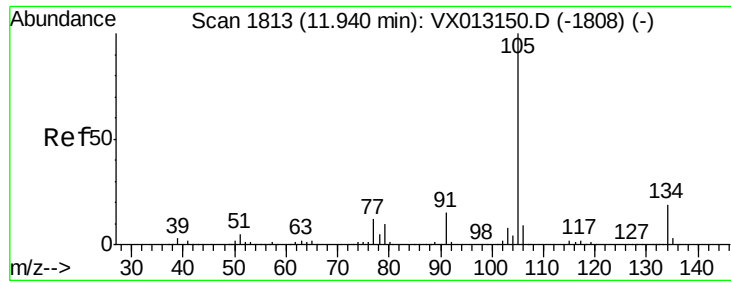
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	0.0	128.4
134	23.5	0.0	49.0



#80
1,2,4-Trimethylbenzene
Concen: 21.623 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	0.0	87.4

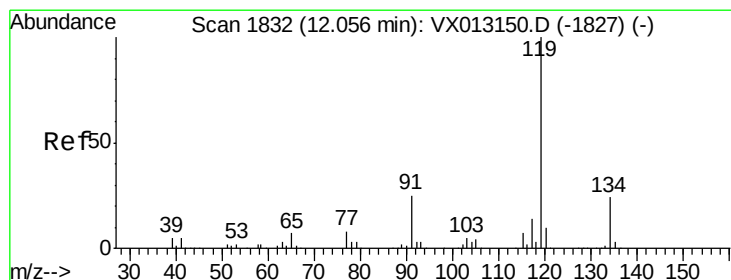
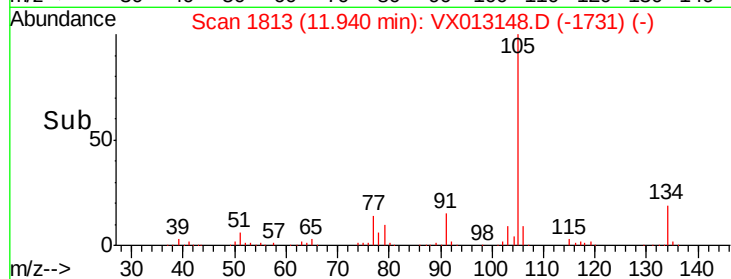
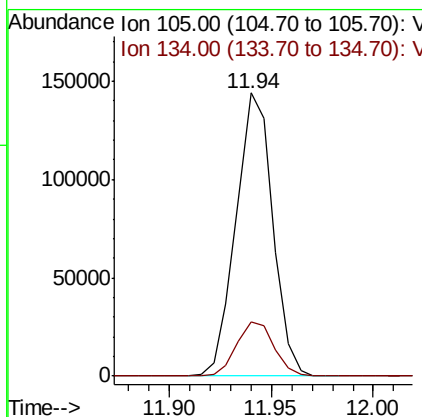
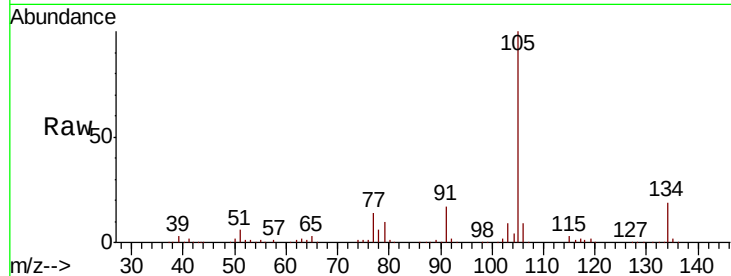




#81
 sec-Butylbenzene
 Concen: 20.415 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

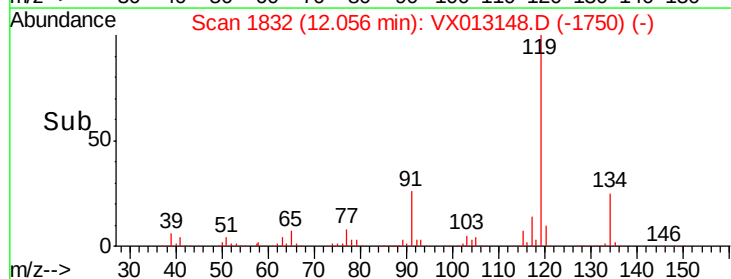
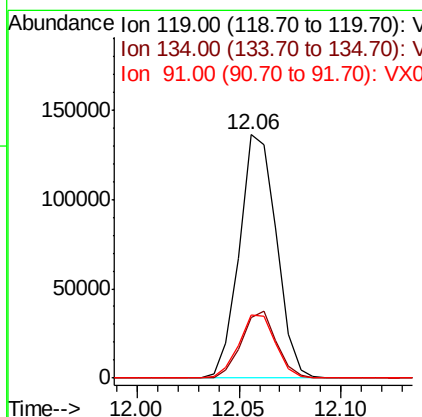
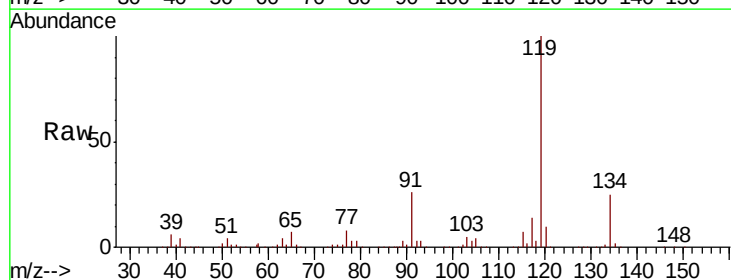
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

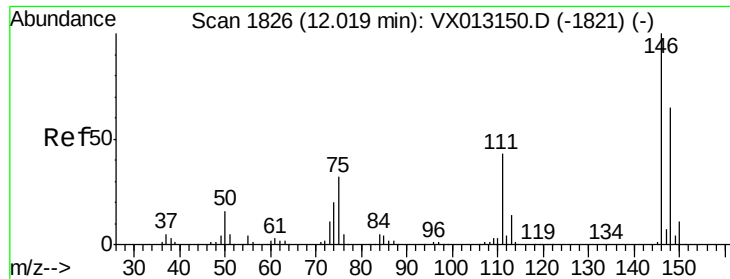
Tot Ion:105 Resp: 179774
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 21.384 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion:119 Resp: 172022
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.6
 91 25.9 0.0 50.0

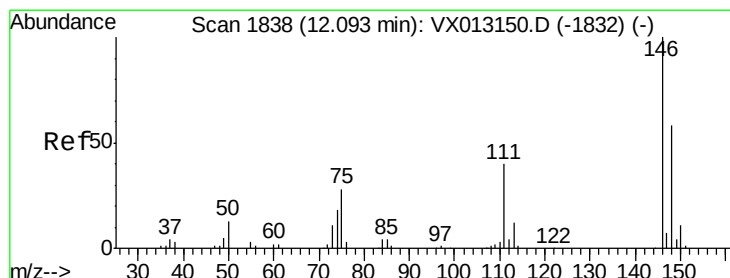
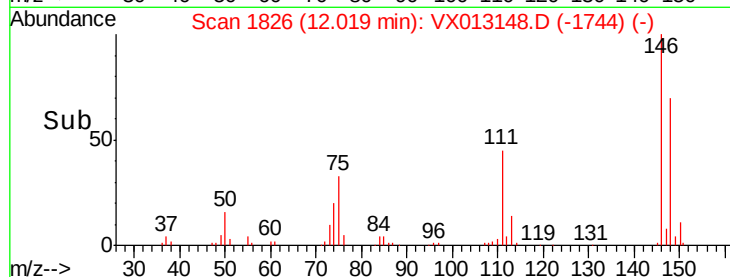
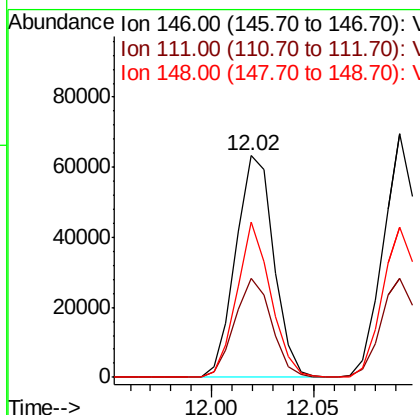
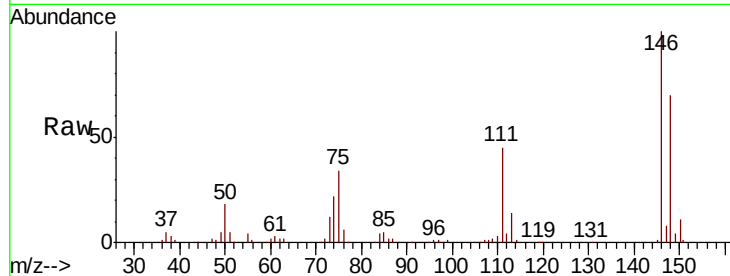




#83
 1,3-Dichlorobenzene
 Concen: 20.998 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

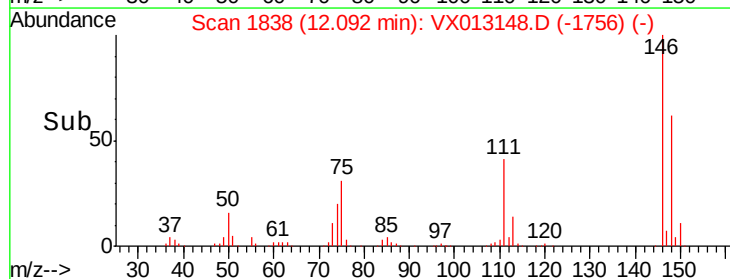
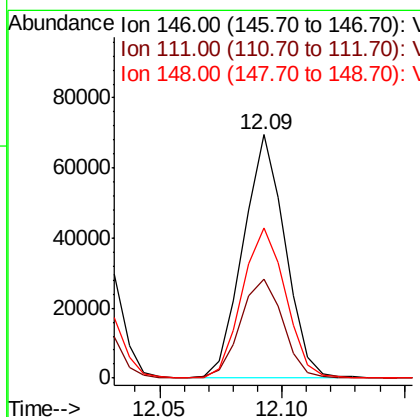
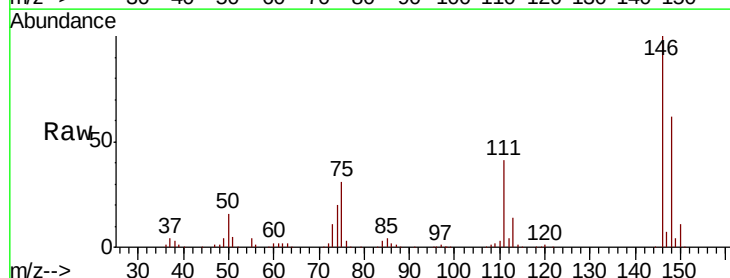
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

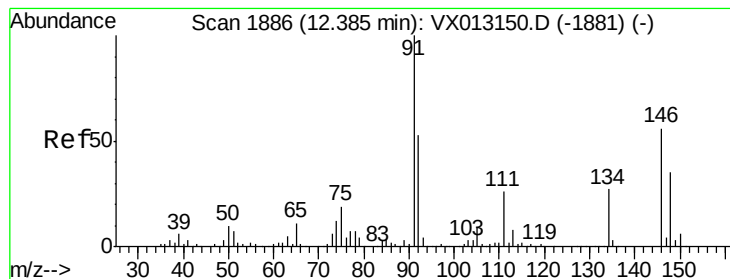
Tot Ion:146 Resp: 82407
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.8 65.4
 148 61.9 31.2 93.6



#84
 1,4-Dichlorobenzene
 Concen: 20.930 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion:146 Resp: 82903
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.3 60.9
 148 64.2 31.4 94.2





#85

n-Butylbenzene

Concen: 20.447 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013148.D

Acq: 21 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

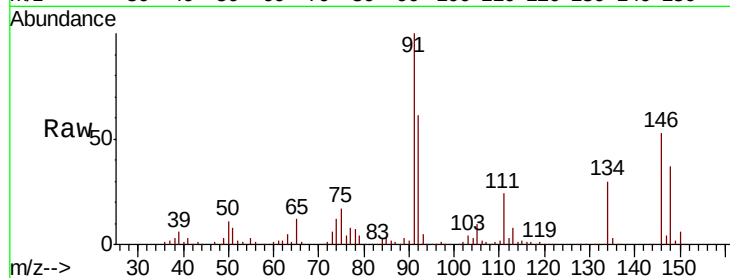
Tot Ion: 91 Resp: 139657

Ion Ratio Lower Upper

91 100

92 56.6 0.0 106.8

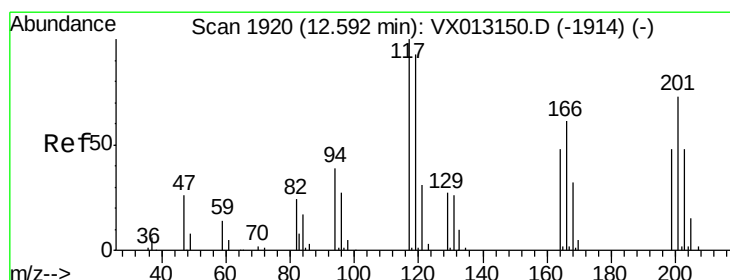
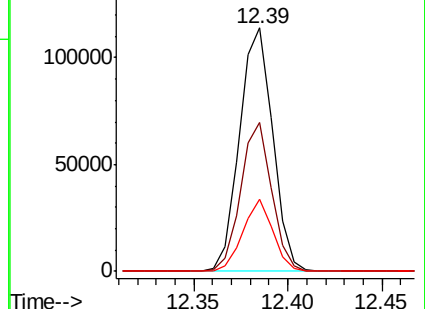
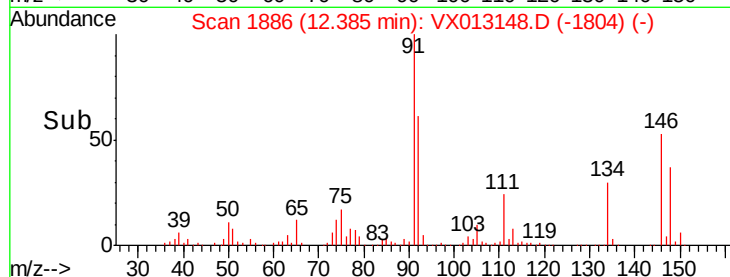
134 26.8 0.0 52.4



Abundance Ion 91.00 (90.70 to 91.70): VX013148.D (-1881) (-)

Ion 92.00 (91.70 to 92.70): VX013148.D (-1881) (-)

Ion 134.00 (133.70 to 134.70): VX013148.D (-1881) (-)



#86

Hexachloroethane

Concen: 20.837 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX013148.D

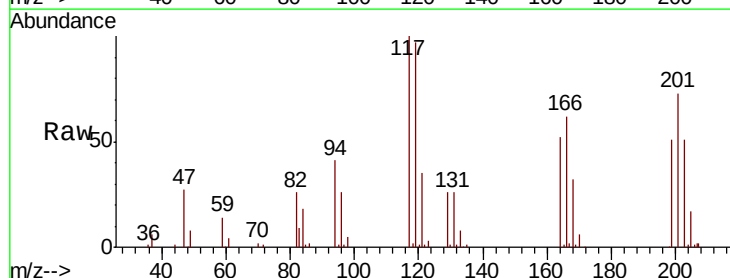
Acq: 21 Oct 2019 11:43

Tgt Ion: 117 Resp: 28975

Ion Ratio Lower Upper

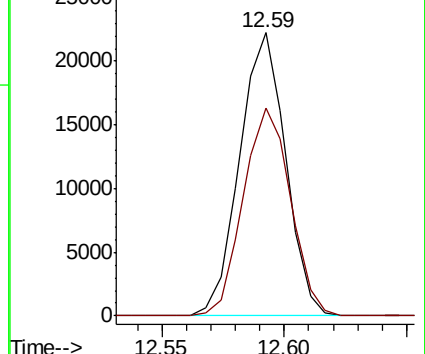
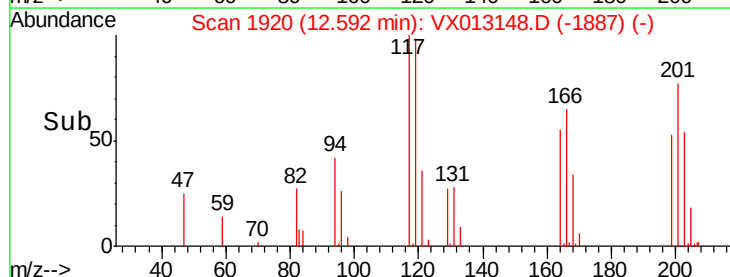
117 100

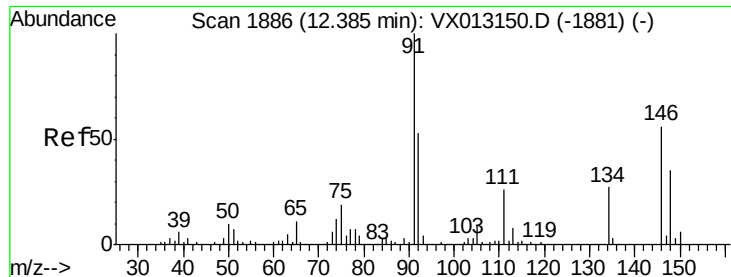
201 75.4 35.9 107.5



Abundance Ion 117.00 (116.70 to 117.70): VX013148.D (-1887) (-)

Ion 201.00 (200.70 to 201.70): VX013148.D (-1887) (-)

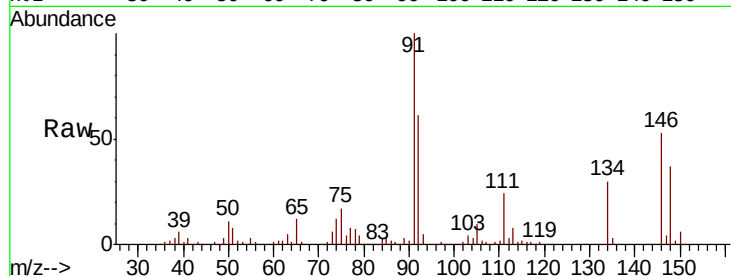




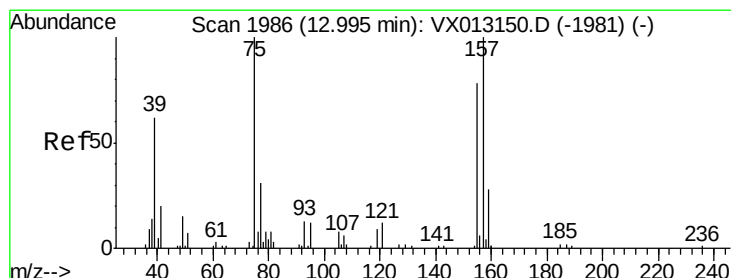
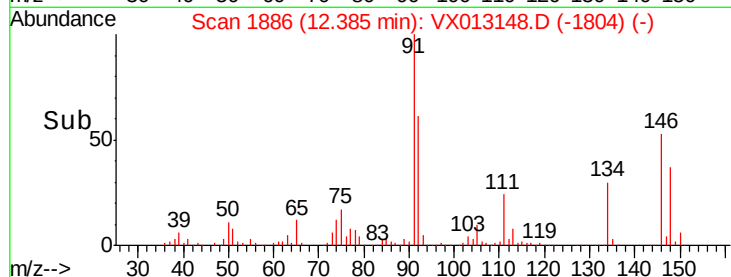
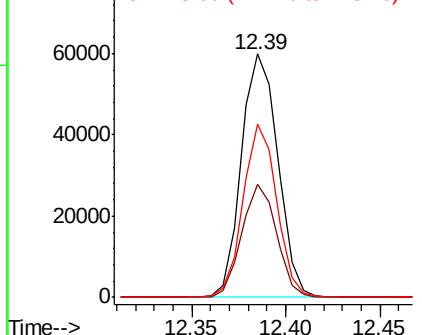
#87
 1,2-Dichlorobenzene
 Concen: 20.653 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:146 Resp: 80478
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.5 67.5
 148 65.7 31.4 94.2

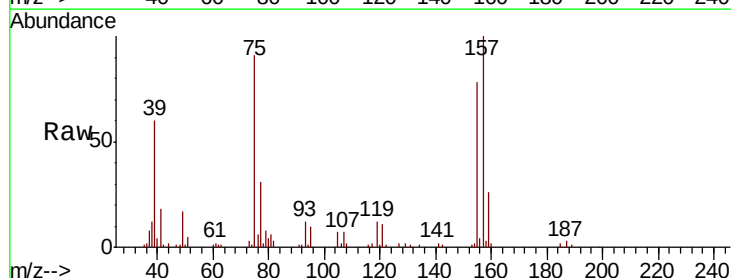


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

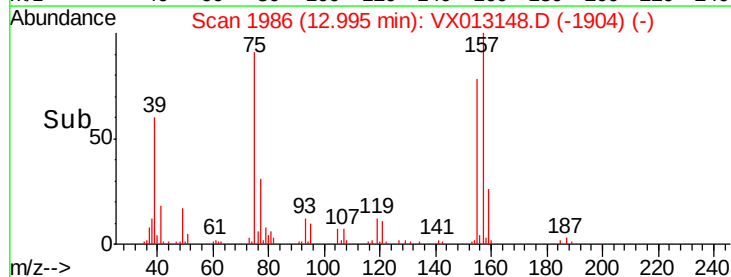
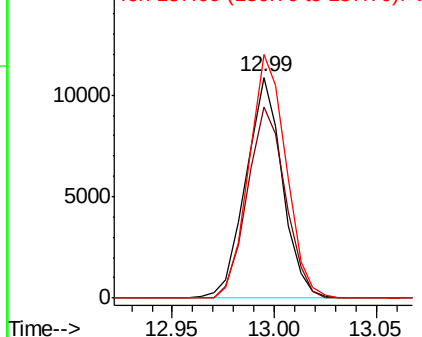


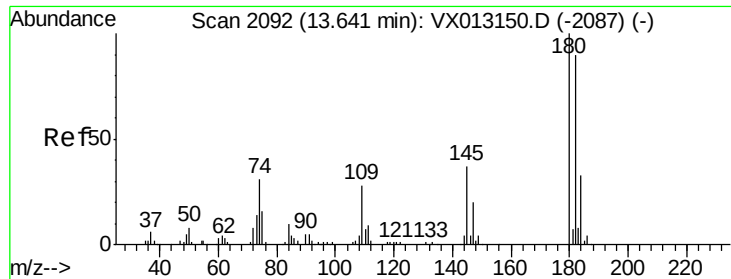
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.596 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion: 75 Resp: 13526
 Ion Ratio Lower Upper
 75 100
 155 89.9 65.4 98.0
 157 112.4 84.1 126.1



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

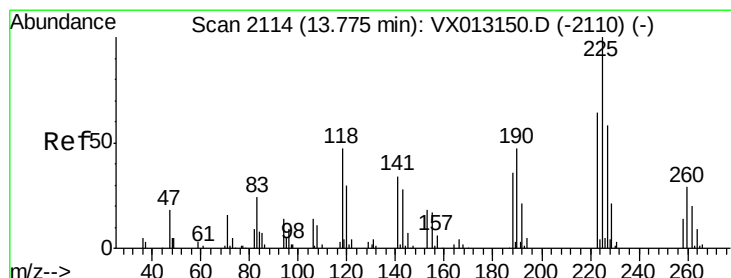
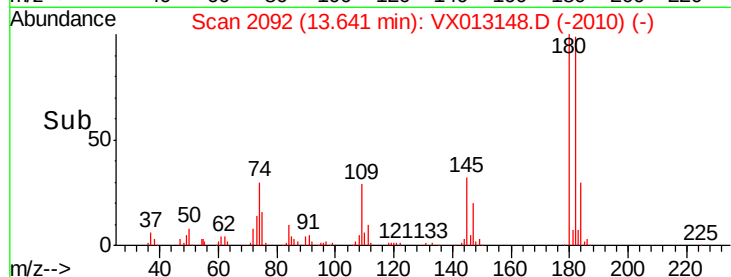
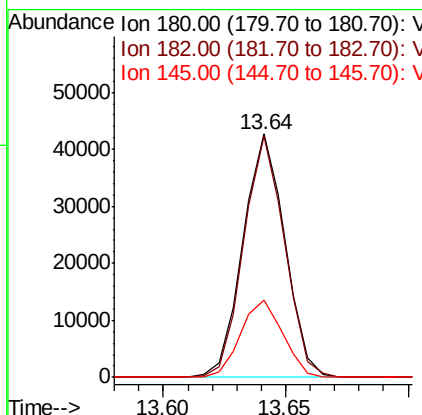
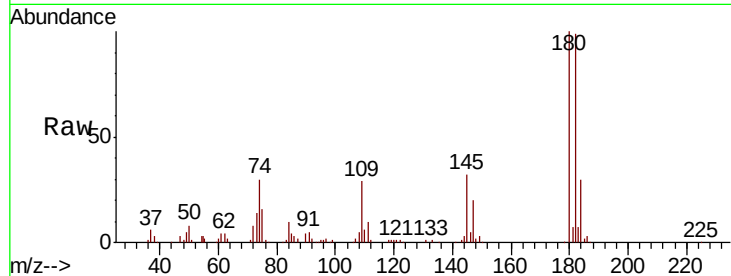




#89
 1,2,4-Trichlorobenzene
 Concen: 21.093 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

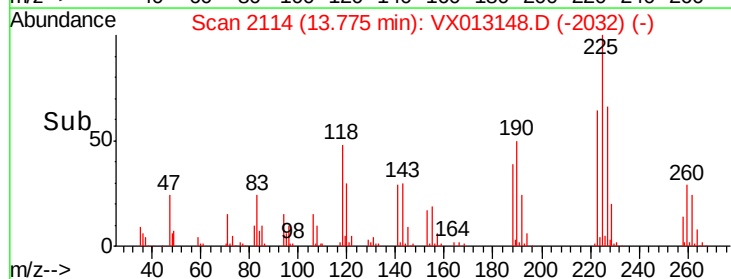
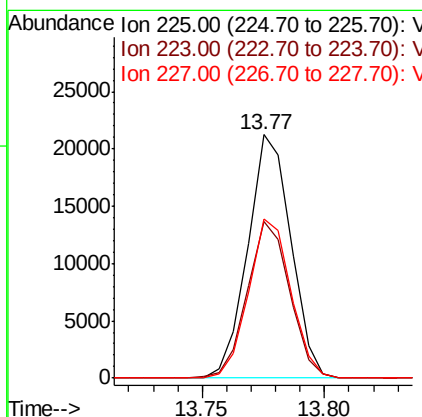
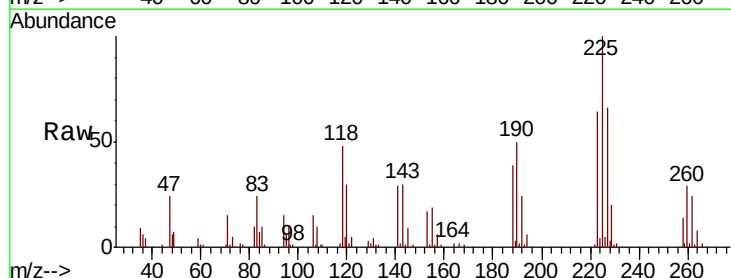
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

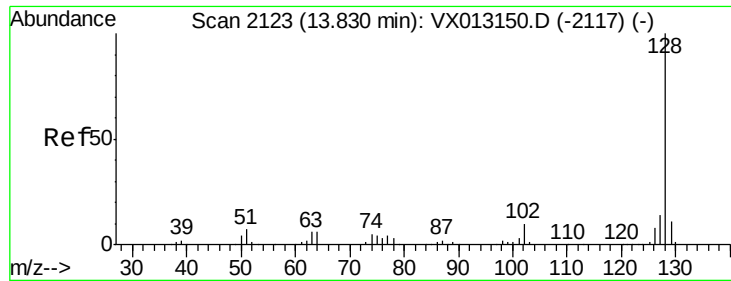
Tot Ion:180 Resp: 50991
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.1 114.1
 145 32.2 27.4 41.2



#90
 Hexachlorobutadiene
 Concen: 22.431 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013148.D
 Acq: 21 Oct 2019 11:43

Tgt Ion:225 Resp: 26076
 Ion Ratio Lower Upper
 225 100
 223 63.4 0.0 131.2
 227 63.9 0.0 127.0

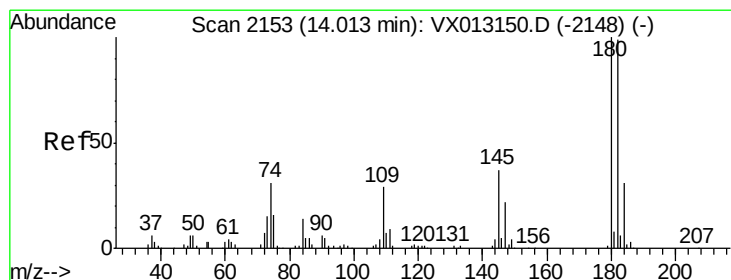
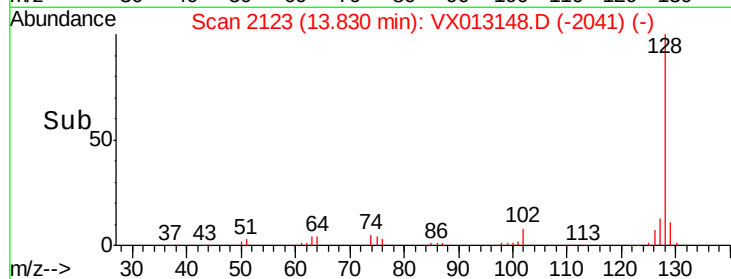
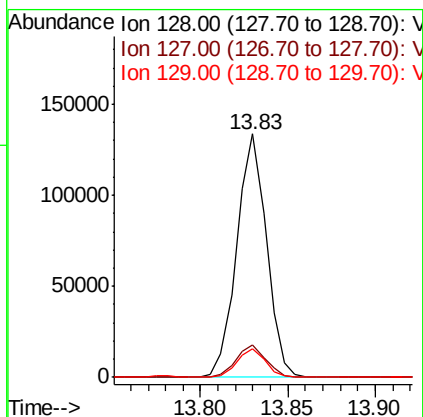
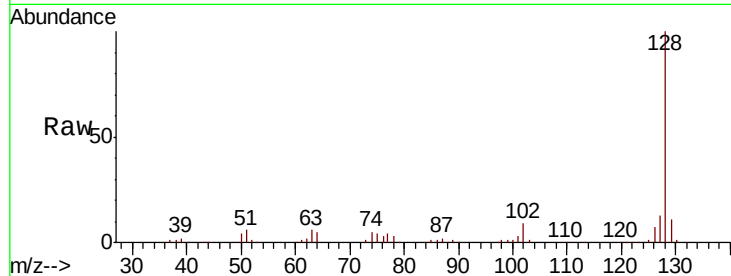




#91
Naphthalene
Concen: 19.398 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 158273
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.1 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 20.643 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013148.D
Acq: 21 Oct 2019 11:43

Tgt Ion:180 Resp: 50319
Ion Ratio Lower Upper
180 100
182 98.2 0.0 194.4
145 36.9 0.0 71.2

