

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010720\
 Data File : VX014446.D
 Acq On : 07 Jan 2020 13:58
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 07 15:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:22:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	539112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	818764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	732576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	369222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	32604	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
35) Dibromofluoromethane	5.49	113	25207	5.07	ug/l	0.00
Spiked Amount			Recovery	=	10.14%	
50) Toluene-d8	8.71	98	96659	5.02	ug/l	0.00
Spiked Amount			Recovery	=	10.04%	
62) 4-Bromofluorobenzene	11.13	95	35616	5.06	ug/l	0.00
Spiked Amount			Recovery	=	10.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	21978	4.217	ug/l	100
3) Chloromethane	1.32	50	30381	4.601	ug/l	98
4) Vinyl Chloride	1.40	62	32055	4.503	ug/l	100
5) Bromomethane	1.63	94	26440	5.393	ug/l	95
6) Chloroethane	1.72	64	21426	5.005	ug/l	99
7) Trichlorofluoromethane	1.92	101	44033	5.139	ug/l	96
8) Diethyl Ether	2.18	74	19726	4.951	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25230	4.890	ug/l	96
10) Methyl Iodide	2.50	142	25088	3.978	ug/l	99
11) Tert butyl alcohol	3.03	59	32824	24.545	ug/l	96
12) 1,1-Dichloroethene	2.37	96	26202	4.995	ug/l	90
13) Acrolein	2.28	56	26314	32.026	ug/l	98
14) Allyl chloride	2.72	41	46494	4.984	ug/l	98
15) Acrylonitrile	3.13	53	72888	23.517	ug/l	98
16) Acetone	2.43	43	78840	20.551	ug/l	95
17) Carbon Disulfide	2.56	76	68789	4.472	ug/l	99
18) Methyl Acetate	2.76	43	37463	4.600	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	84322	4.911	ug/l	98
20) Methylene Chloride	2.85	84	31987	5.088	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	27923	4.848	ug/l	99
22) Diisopropyl ether	3.84	45	91119	4.912	ug/l	# 91
23) Vinyl Acetate	3.80	43	362152	24.232	ug/l	99
24) 1,1-Dichloroethane	3.69	63	50333	4.875	ug/l	97
25) 2-Butanone	4.66	43	110805	22.881	ug/l	97
26) 2,2-Dichloropropane	4.58	77	39659	4.909	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	30640	4.709	ug/l	96
28) Bromochloromethane	5.01	49	19975	5.589	ug/l	98
29) Tetrahydrofuran	5.12	42	66123	23.957	ug/l	99
30) Chloroform	5.20	83	46416	4.747	ug/l	96
31) Cyclohexane	5.57	56	45537	4.918	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	41874	5.006	ug/l	97
36) 1,1-Dichloropropene	5.79	75	37491	4.948	ug/l	99
37) Ethyl Acetate	4.82	43	39544	4.752	ug/l	98
38) Carbon Tetrachloride	5.77	117	34827	5.037	ug/l	95

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 Data File : VX014446.D
 Acq On : 07 Jan 2020 13:58
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 07 15:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:22:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47172	5.008	ug/l	98
40) Benzene	6.14	78	114174	4.915	ug/l	100
41) Methacrylonitrile	5.03	41	22346	4.828	ug/l	97
42) 1,2-Dichloroethane	6.19	62	38483	4.886	ug/l	94
43) Isopropyl Acetate	6.43	43	65771	4.769	ug/l	99
44) Trichloroethene	7.20	130	32024	4.943	ug/l	94
45) 1,2-Dichloropropane	7.51	63	28982	4.869	ug/l	98
46) Dibromomethane	7.65	93	20793	5.266	ug/l	92
47) Bromodichloromethane	7.89	83	34217	4.607	ug/l	94
48) Methyl methacrylate	7.76	41	31443	4.658	ug/l	97
49) 1,4-Dioxane	7.73	88	13541	97.910	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	203405	23.561	ug/l	99
52) Toluene	8.78	92	72734	4.944	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	39402	4.829	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	44224	4.866	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	28072	4.769	ug/l	96
56) Ethyl methacrylate	9.17	69	42946	4.655	ug/l	99
57) 1,3-Dichloropropane	9.37	76	50579	5.129	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	70635	20.735	ug/l	99
59) 2-Hexanone	9.48	43	159593	23.114	ug/l	98
60) Dibromochloromethane	9.57	129	27551	4.697	ug/l	99
61) 1,2-Dibromoethane	9.67	107	31461	5.223	ug/l	97
64) Tetrachloroethene	9.33	164	37457	5.604	ug/l	96
65) Chlorobenzene	10.14	112	79722	5.084	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	27766	4.957	ug/l	97
67) Ethyl Benzene	10.25	91	136134	5.059	ug/l	99
68) m/p-Xylenes	10.36	106	103771	10.008	ug/l	98
69) o-Xylene	10.70	106	50958	5.033	ug/l	98
70) Styrene	10.71	104	80757	4.713	ug/l	99
71) Bromoform	10.85	173	20244	4.480	ug/l #	94
73) Isopropylbenzene	11.01	105	130773	5.011	ug/l	100
74) N-amyl acetate	10.89	43	57343	4.733	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	40893	4.592	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	48692	6.215	ug/l	79
77) Bromobenzene	11.25	156	37023	5.149	ug/l	95
78) n-propylbenzene	11.35	91	146993	5.022	ug/l	99
79) 2-Chlorotoluene	11.42	91	88577	4.995	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	108318	4.937	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	12188	4.263	ug/l	89
82) 4-Chlorotoluene	11.51	91	102064	4.947	ug/l	99
83) tert-Butylbenzene	11.76	119	101939	4.808	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	107577	4.902	ug/l	99
85) sec-Butylbenzene	11.94	105	125973	4.987	ug/l	99
86) p-Isopropyltoluene	12.06	119	117015	5.055	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65638	5.204	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	65535	5.095	ug/l	94
89) n-Butylbenzene	12.39	91	100526	5.067	ug/l	100
90) Hexachloroethane	12.59	117	18183	4.392	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	62895	4.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	8176	4.083	ug/l	94

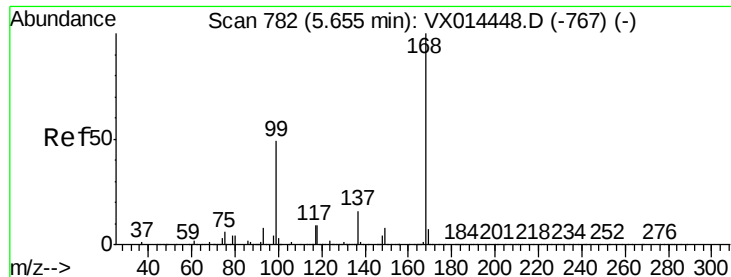
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010720\
Data File : VX014446.D
Acq On : 07 Jan 2020 13:58
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 07 15:24:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:22:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	43939	5.242	ug/l	99
94) Hexachlorobutadiene	13.78	225	20222	5.025	ug/l	93
95) Naphthalene	13.83	128	127606	5.202	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	45208	5.488	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

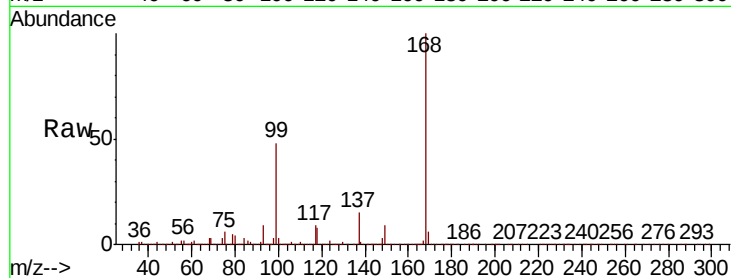
VSTDIC005

Tot Ion:168 Resp: 539112

Ion Ratio Lower Upper

168 100

99 47.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

100000

50000

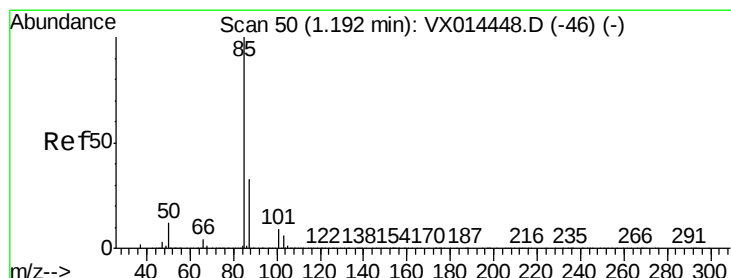
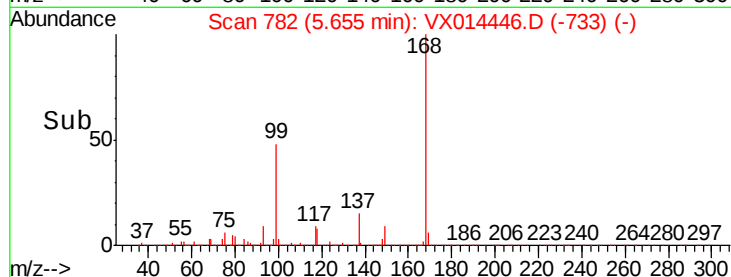
0

5.50

5.60

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.217 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014446.D

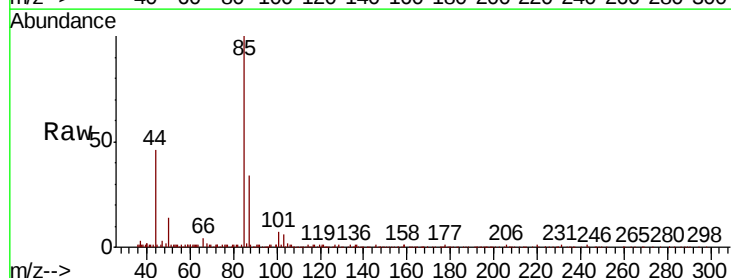
Acq: 07 Jan 2020 13:58

Tgt Ion: 85 Resp: 21978

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

10000

5000

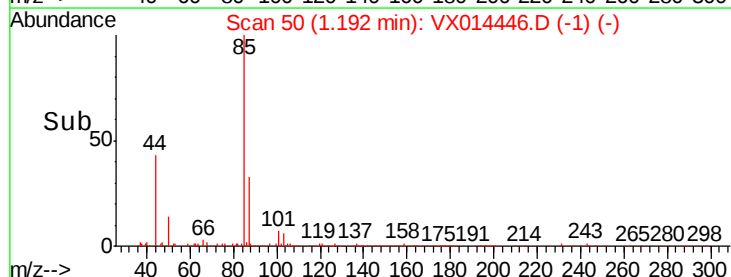
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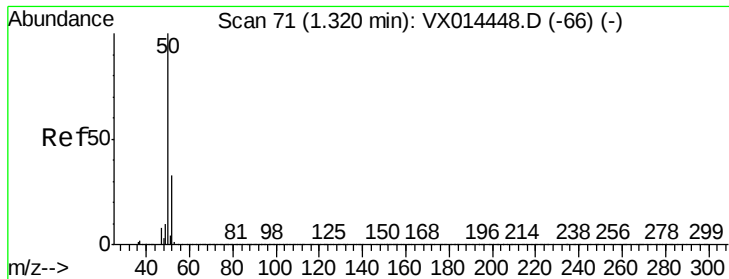
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 4.601 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

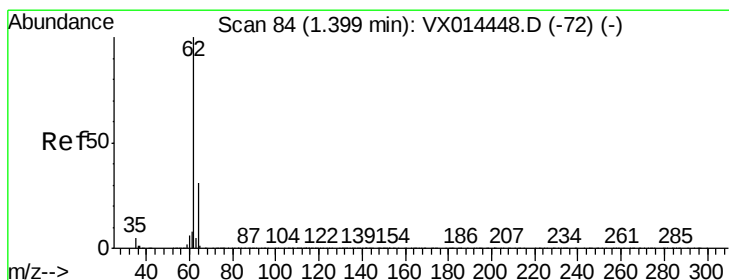
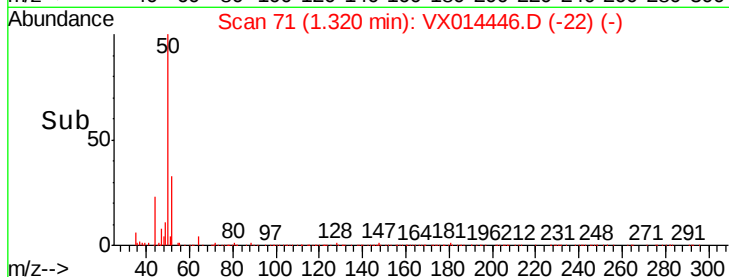
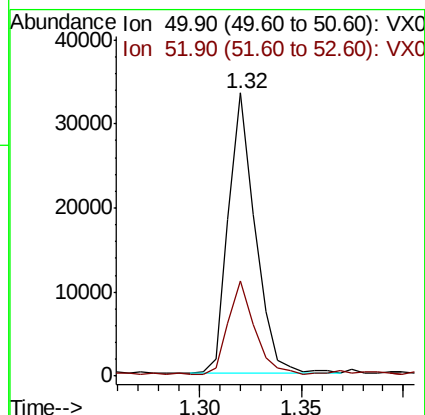
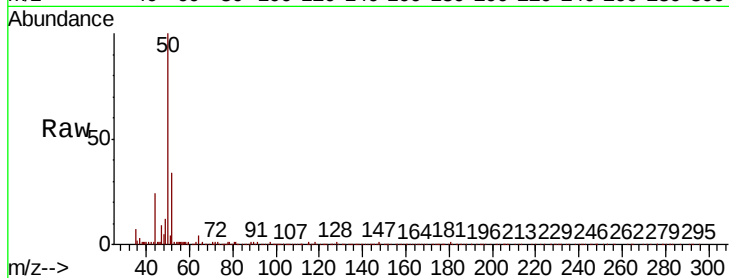
VSTDIC005

Tot Ion: 50 Resp: 30381

Ion Ratio Lower Upper

50 100

52 33.5 26.1 39.1



#4

Vinyl Chloride

Concen: 4.503 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014446.D

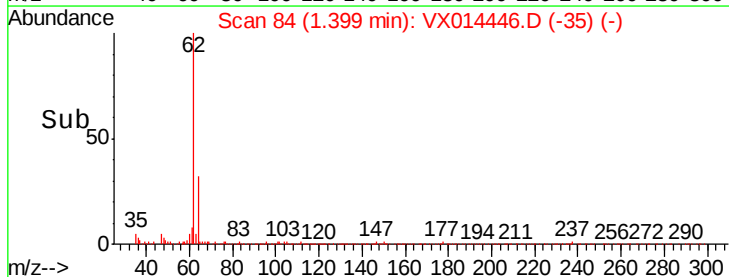
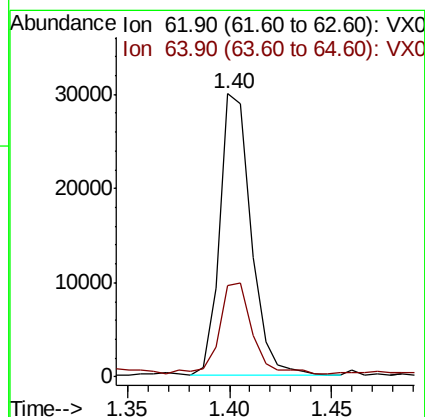
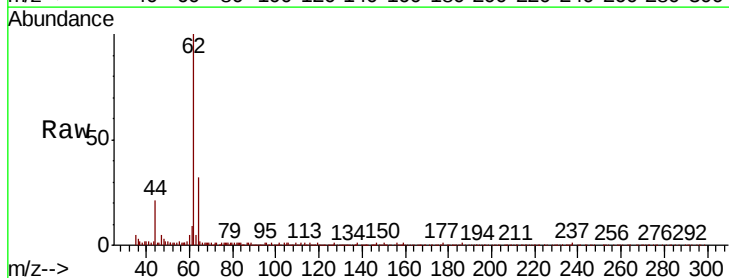
Acq: 07 Jan 2020 13:58

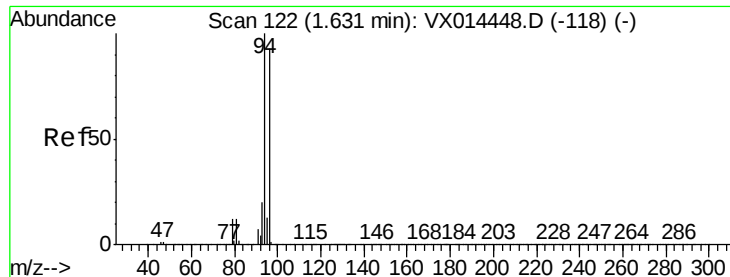
Tgt Ion: 62 Resp: 32055

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





#5

Bromomethane

Concen: 5.393 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

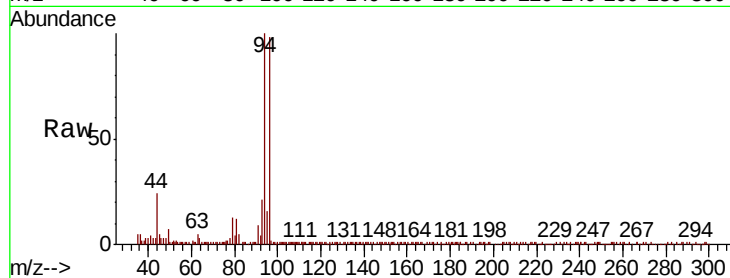
VSTDIC005

Tot Ion: 94 Resp: 26440

Ion Ratio Lower Upper

94 100

96 97.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

30000

25000

20000

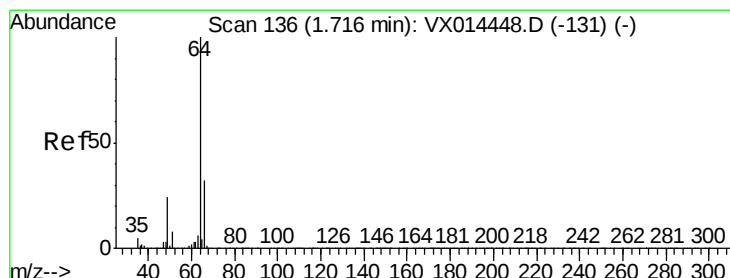
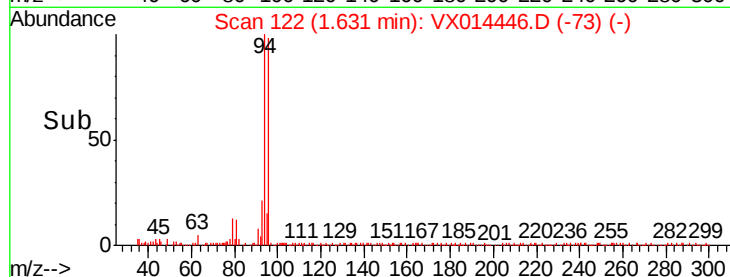
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.005 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014446.D

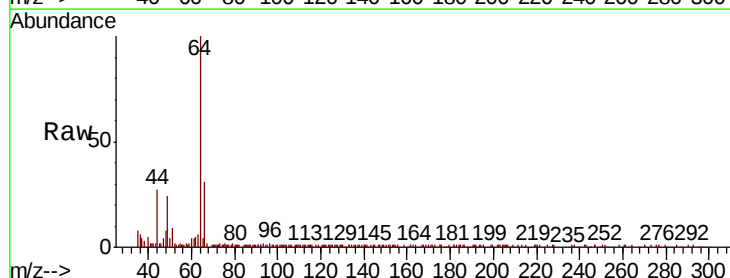
Acq: 07 Jan 2020 13:58

Tgt Ion: 64 Resp: 21426

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

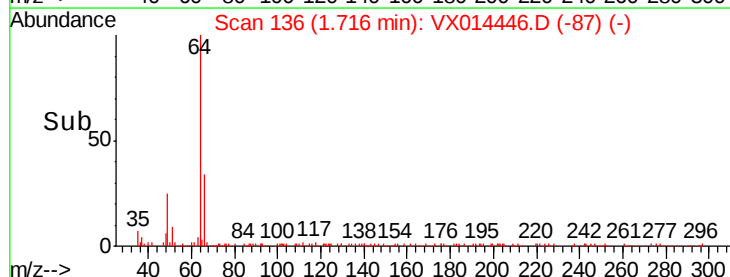
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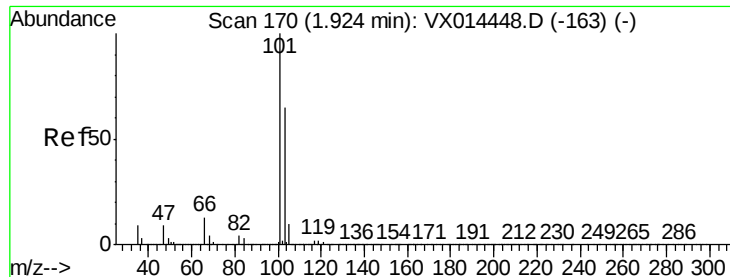
10000

5000

0

Time-->



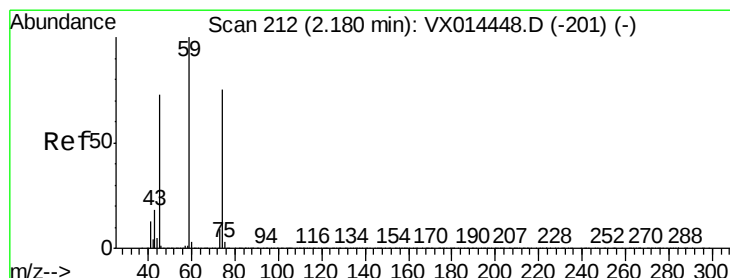
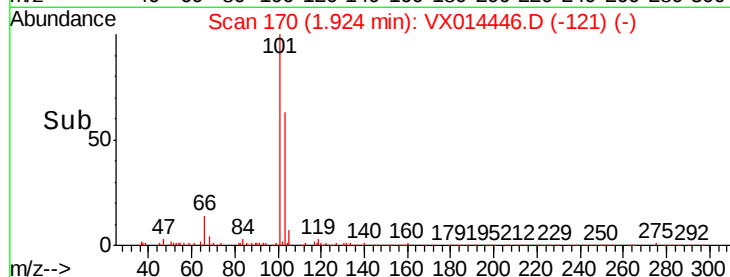
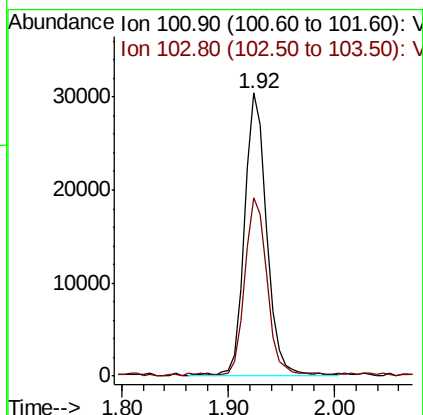
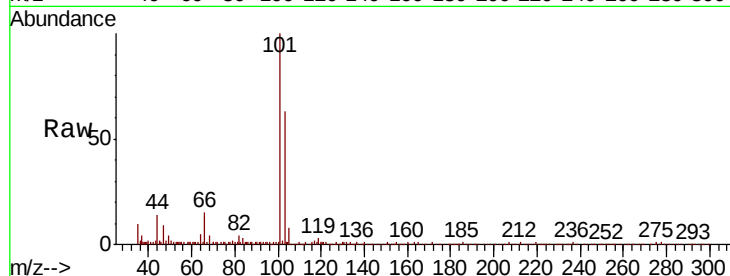


#7

Trichlorofluoromethane
Concen: 5.139 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

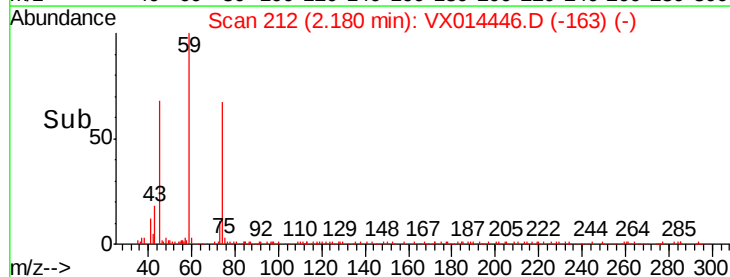
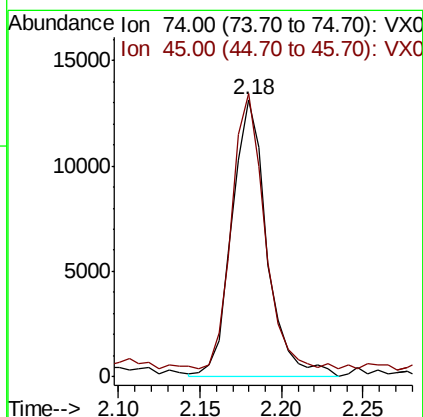
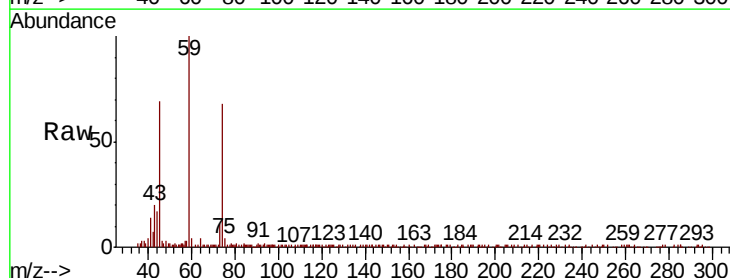
Tot Ion:101 Resp: 44033
Ion Ratio Lower Upper
101 100
103 62.3 52.2 78.4

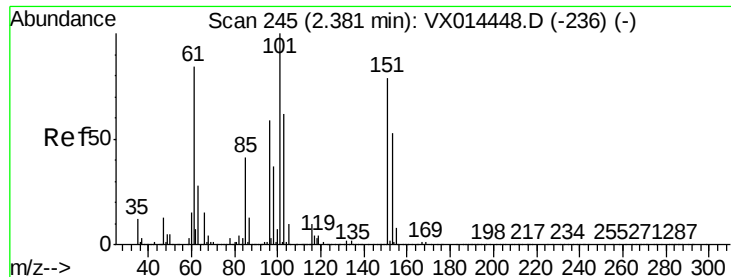


#8

Diethyl Ether
Concen: 4.951 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 74 Resp: 19726
Ion Ratio Lower Upper
74 100
45 92.7 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.890 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

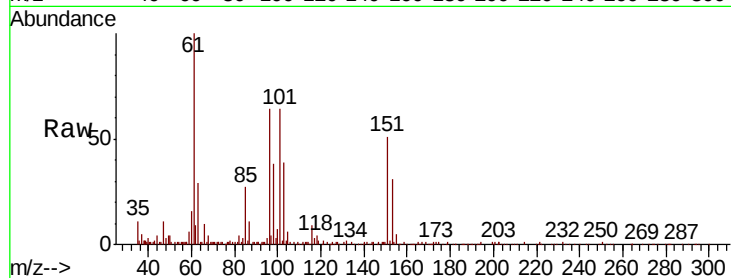
Tot Ion:101 Resp: 25230

Ion Ratio Lower Upper

101 100

85 44.9 33.8 50.8

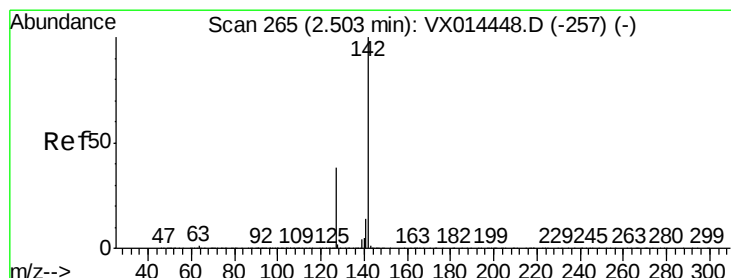
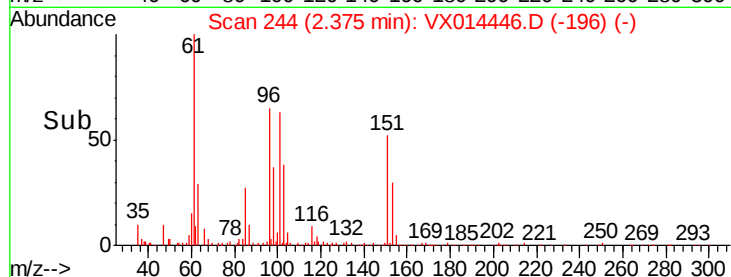
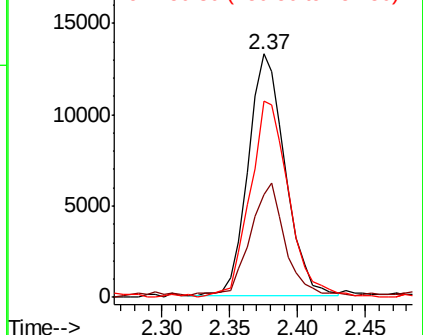
151 85.8 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.978 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

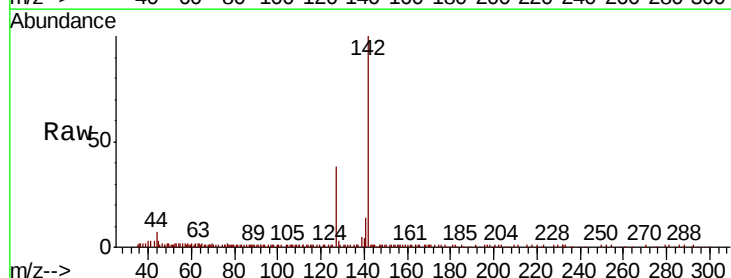
Tgt Ion:142 Resp: 25088

Ion Ratio Lower Upper

142 100

127 39.7 31.2 46.8

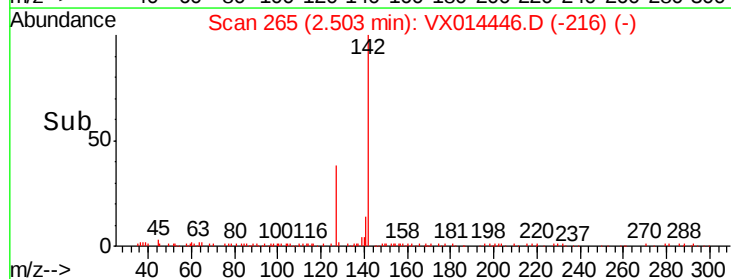
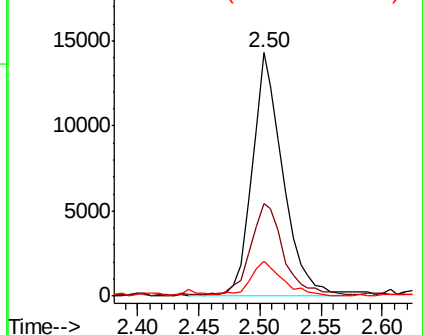
141 15.1 11.4 17.2

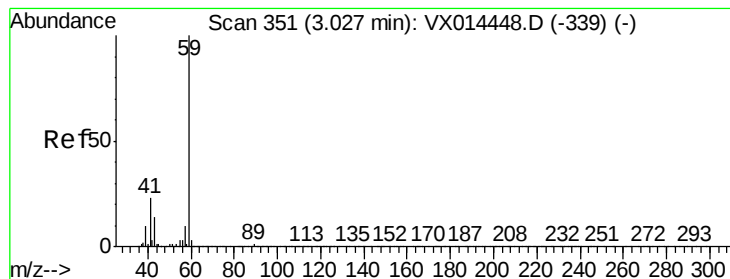


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



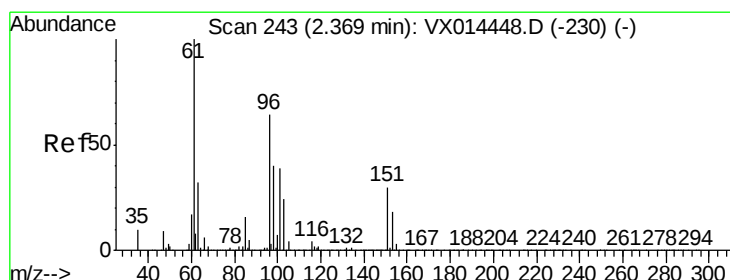
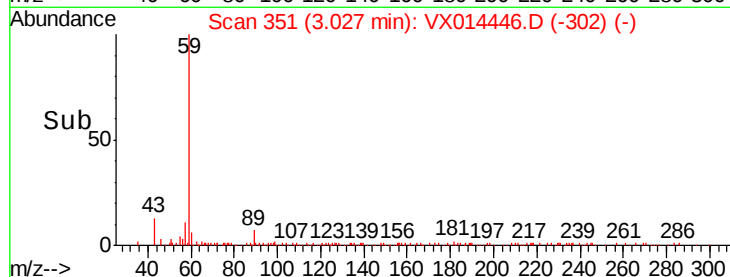
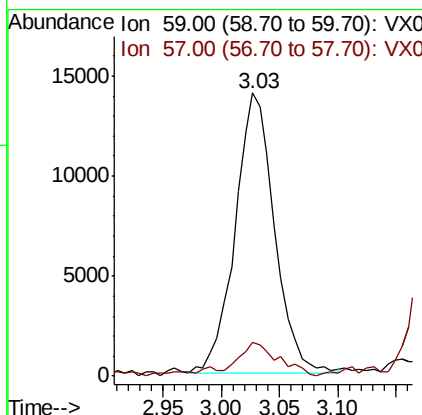
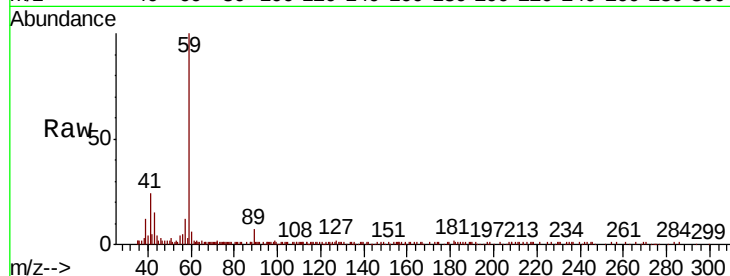


#11

Tert butyl alcohol
Concen: 24.545 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

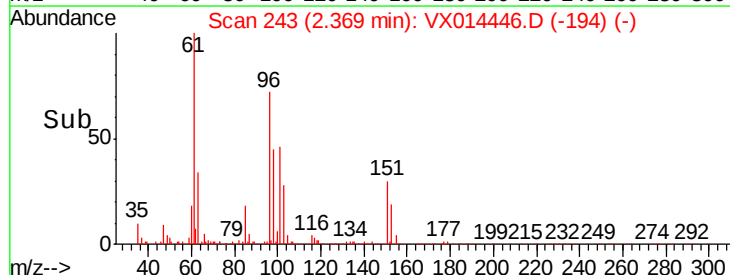
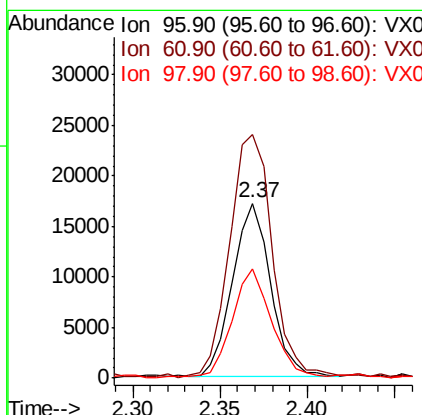
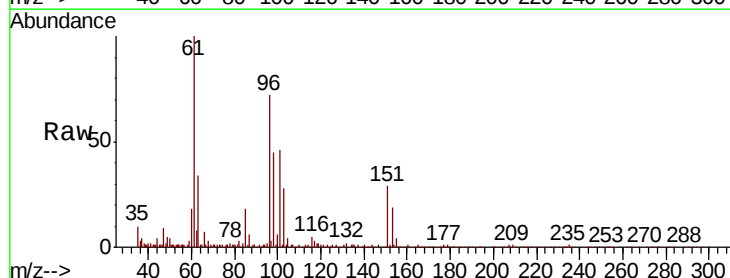
Tot Ion: 59 Resp: 32824
Ion Ratio Lower Upper
59 100
57 12.2 8.5 12.7

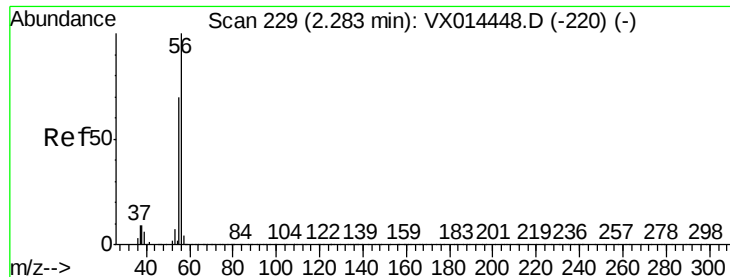


#12

1,1-Dichloroethene
Concen: 4.995 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 96 Resp: 26202
Ion Ratio Lower Upper
96 100
61 139.0 125.0 187.6
98 62.2 50.2 75.2





#13

Acrolein

Concen: 32.026 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

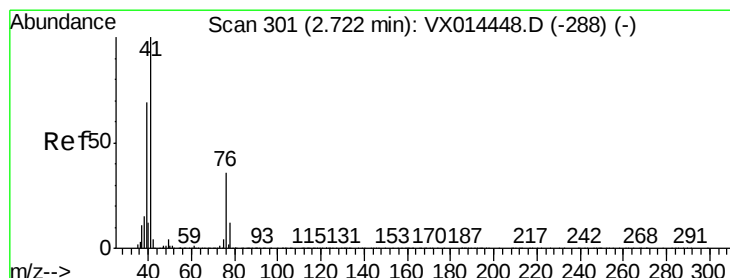
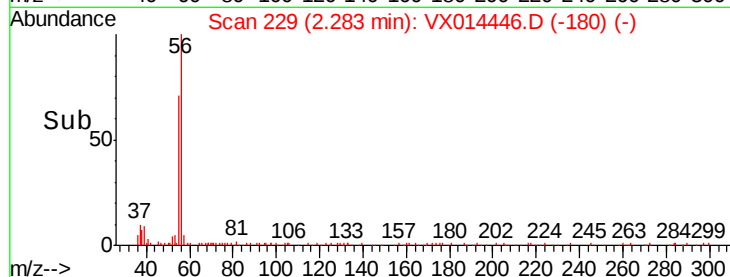
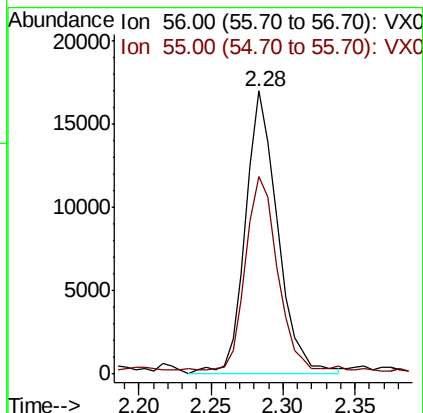
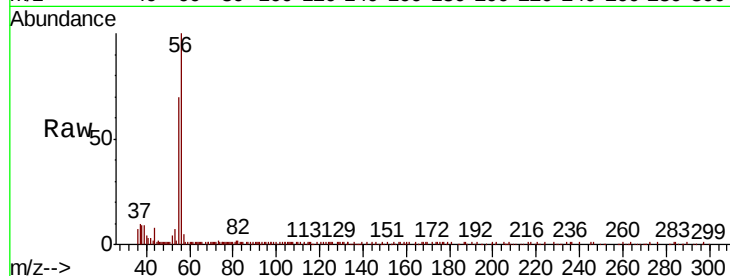
VSTDIC005

Tot Ion: 56 Resp: 26314

Ion Ratio Lower Upper

56 100

55 66.8 55.0 82.6



#14

Allyl chloride

Concen: 4.984 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

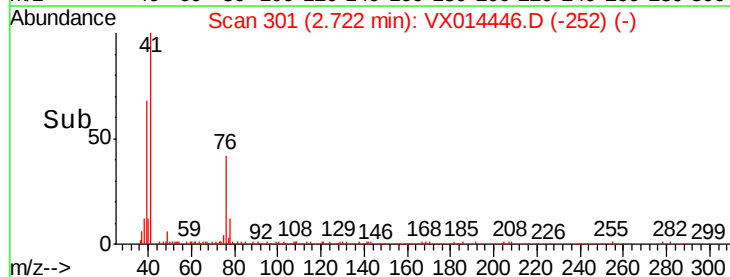
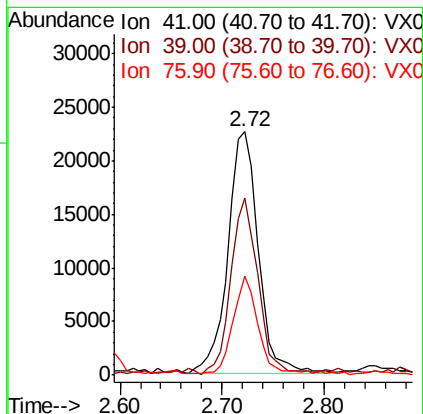
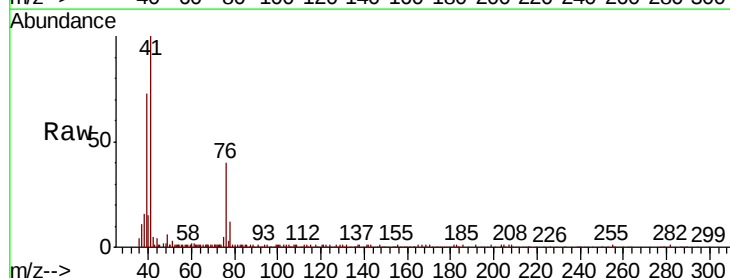
Tgt Ion: 41 Resp: 46494

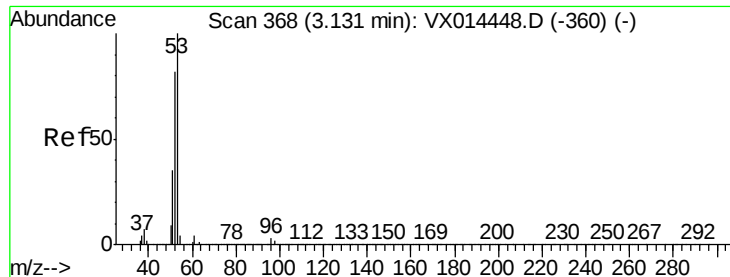
Ion Ratio Lower Upper

41 100

39 65.9 51.7 77.5

76 31.9 26.8 40.2





#15

Acrylonitrile

Concen: 23.517 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

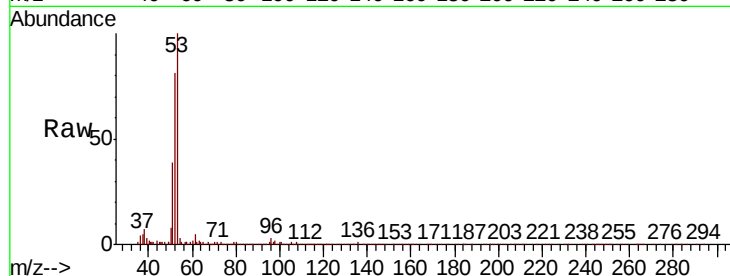
Tot Ion: 53 Resp: 72888

Ion Ratio Lower Upper

53 100

52 85.1 67.0 100.4

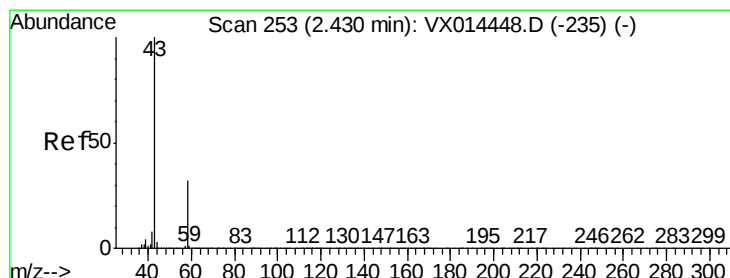
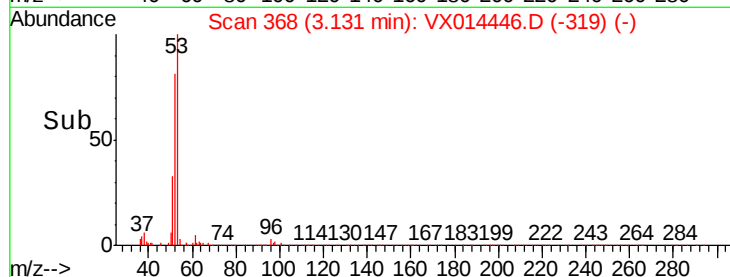
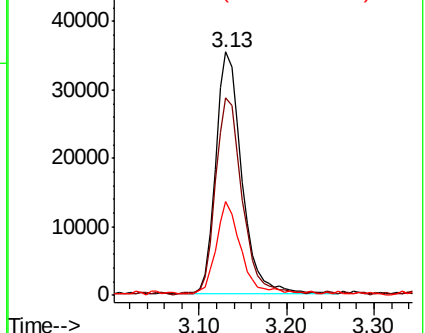
51 36.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 20.551 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014446.D

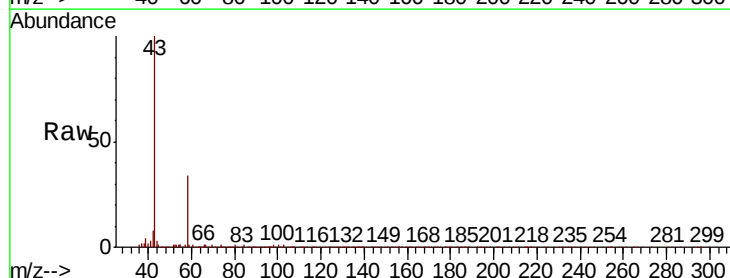
Acq: 07 Jan 2020 13:58

Tgt Ion: 43 Resp: 78840

Ion Ratio Lower Upper

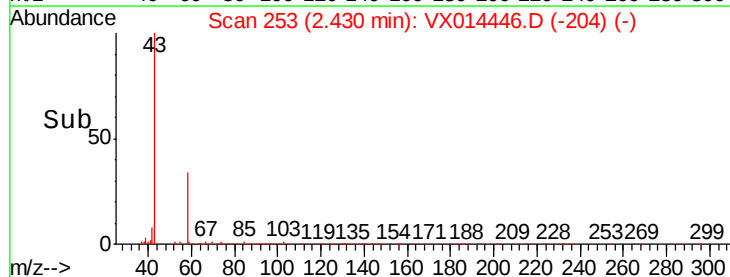
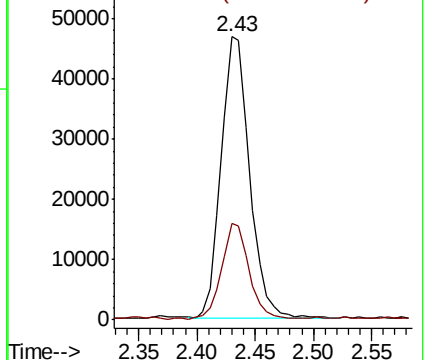
43 100

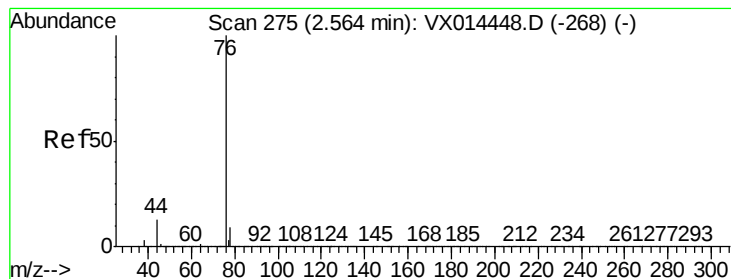
58 34.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 4.472 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

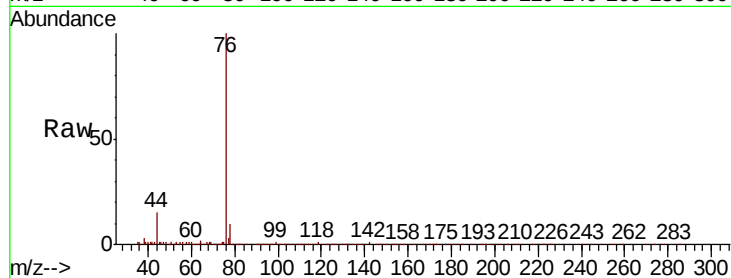
VSTDIC005

Tot Ion: 76 Resp: 68789

Ion Ratio Lower Upper

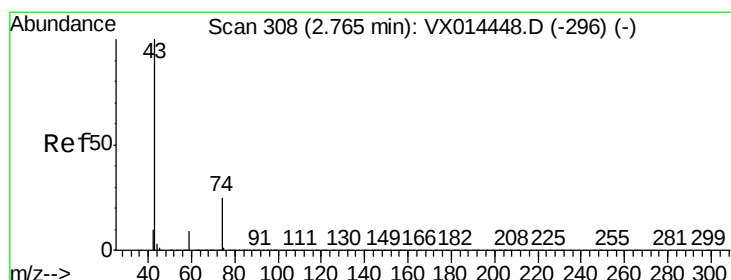
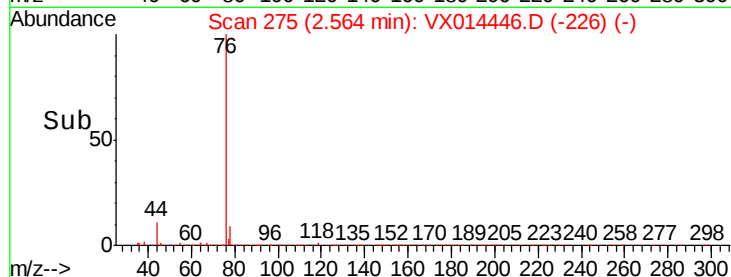
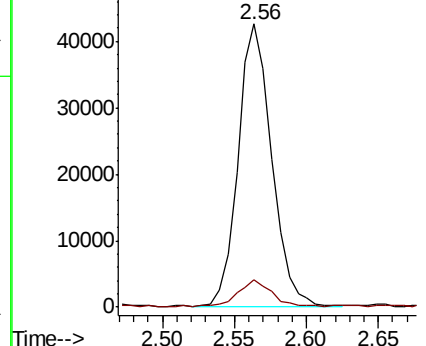
76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.600 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014446.D

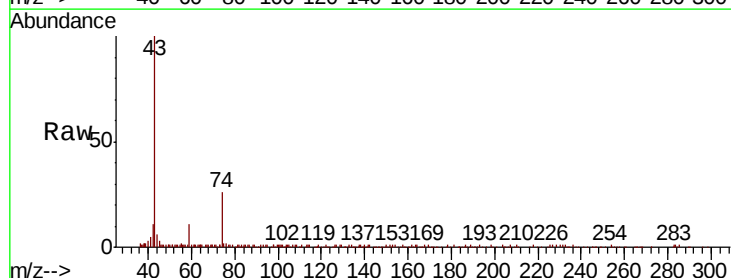
Acq: 07 Jan 2020 13:58

Tgt Ion: 43 Resp: 37463

Ion Ratio Lower Upper

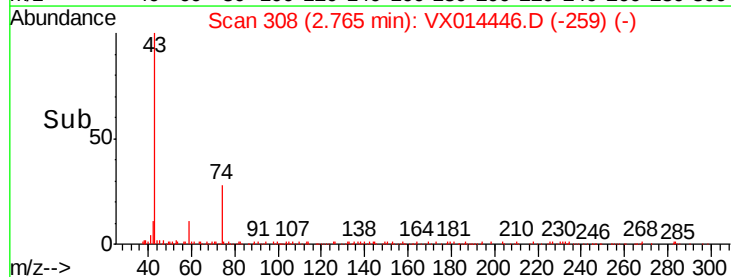
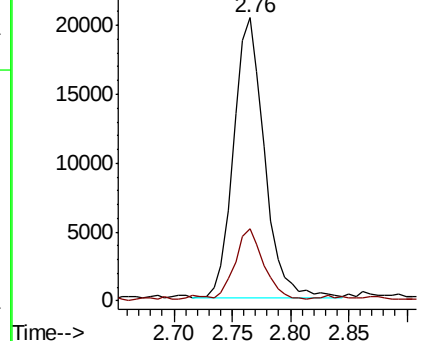
43 100

74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



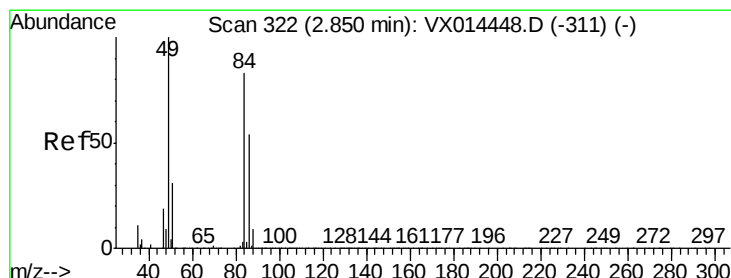
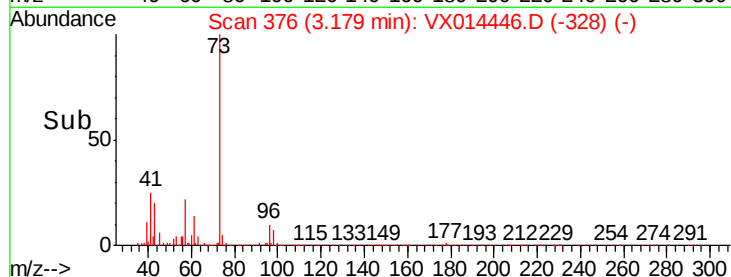
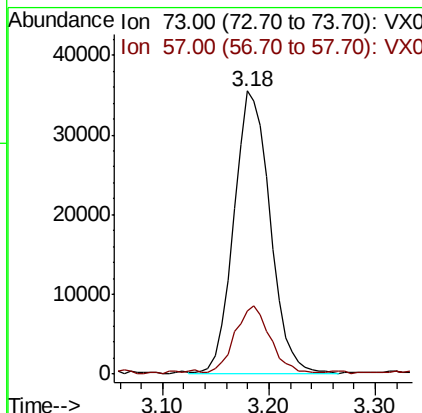
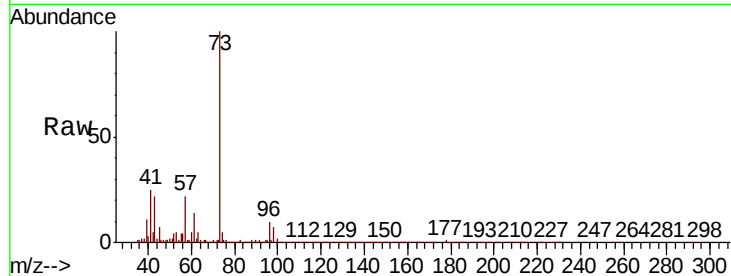


#19

Methyl tert-butyl Ether
Concen: 4.911 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

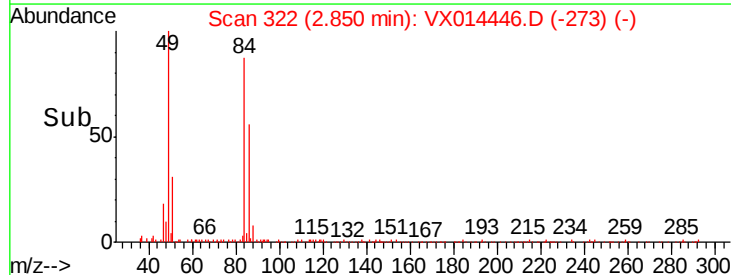
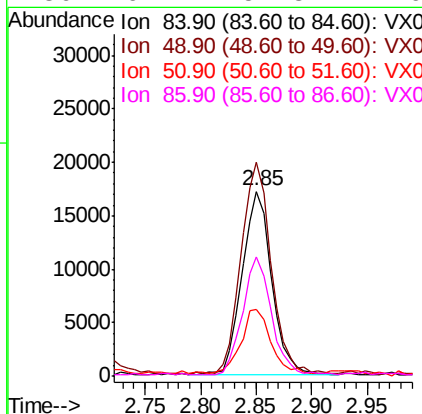
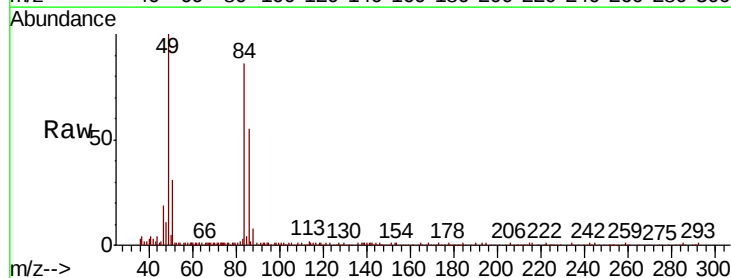
Tot Ion: 73 Resp: 84322
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.8

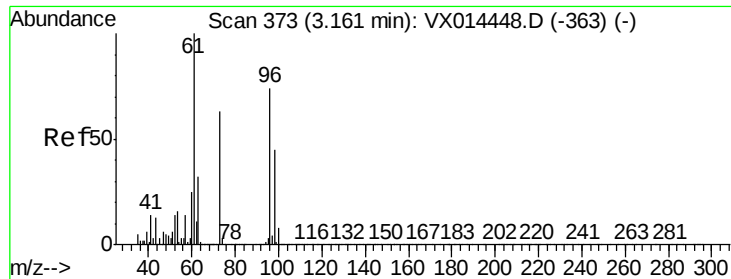


#20

Methylene Chloride
Concen: 5.088 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 84 Resp: 31987
Ion Ratio Lower Upper
84 100
49 115.4 95.8 143.8
51 33.9 30.2 45.4
86 62.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 4.848 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

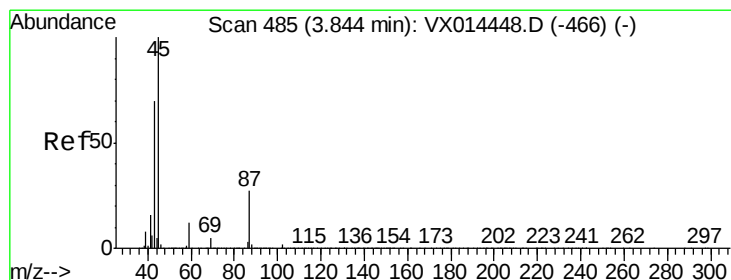
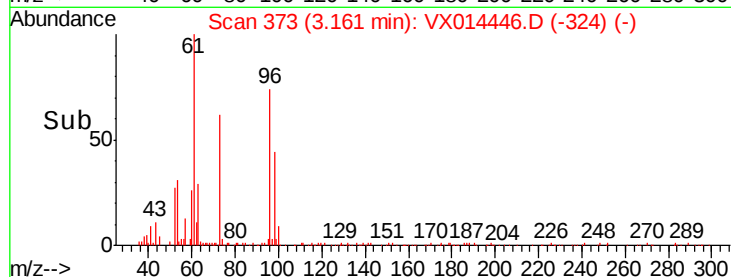
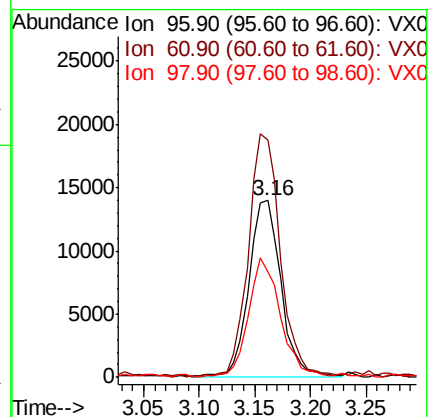
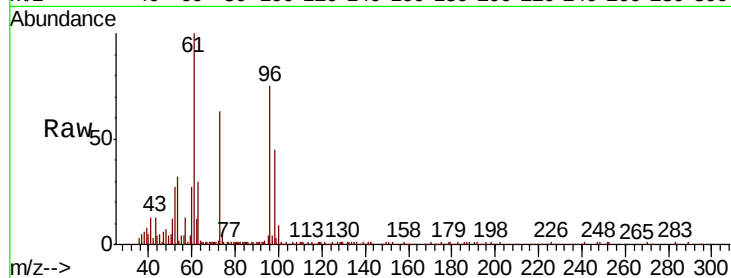
Tot Ion: 96 Resp: 27923

Ion Ratio Lower Upper

96 100

61 134.3 108.2 162.4

98 60.4 48.8 73.2



#22

Diisopropyl ether

Concen: 4.912 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Tgt Ion: 45 Resp: 91119

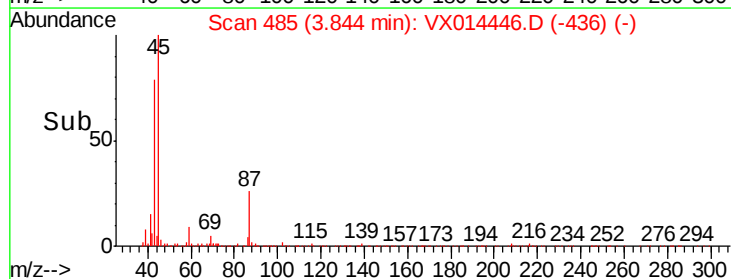
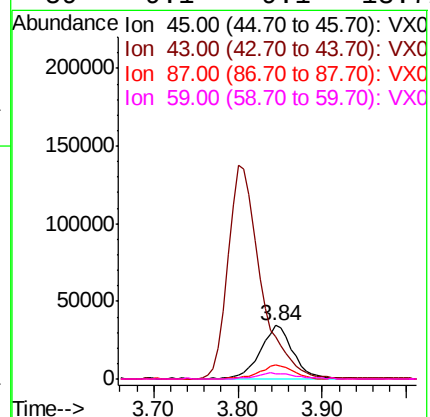
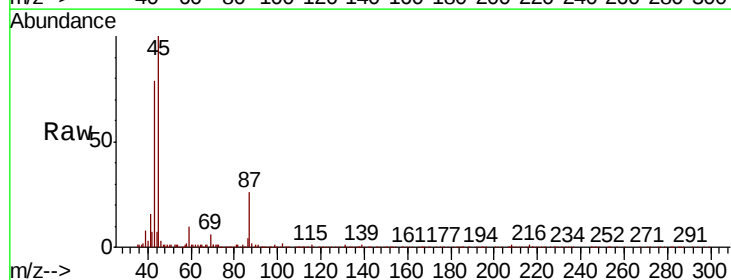
Ion Ratio Lower Upper

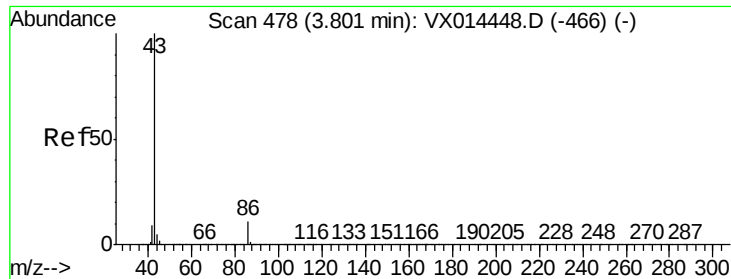
45 100

43 78.8 55.8 83.6

87 25.8 21.8 32.8

59 9.1 9.1 13.7#





#23

Vinyl Acetate

Concen: 24.232 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

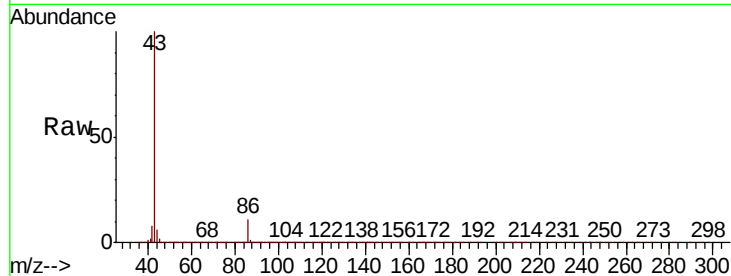
VSTDIC005

Tot Ion: 43 Resp: 362152

Ion Ratio Lower Upper

43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

150000

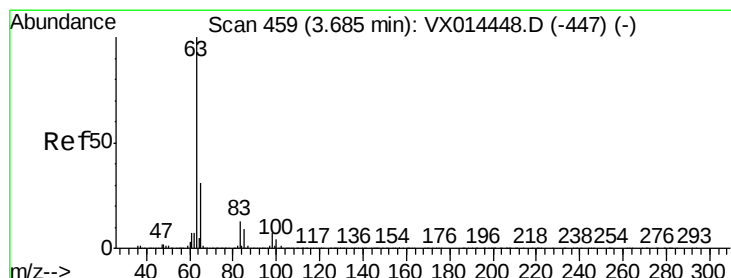
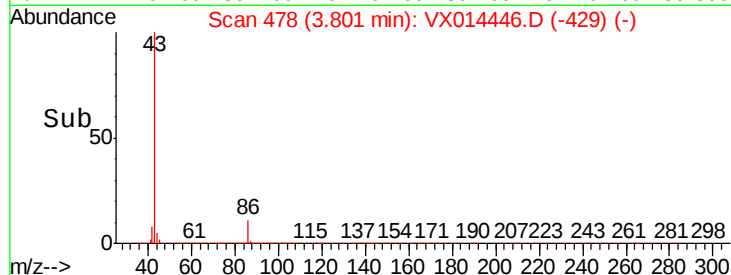
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 4.875 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

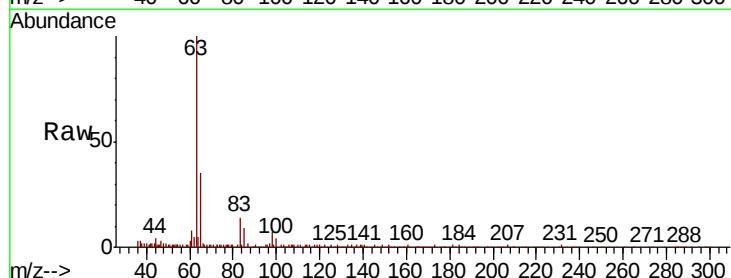
Tgt Ion: 63 Resp: 50333

Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.9

100 3.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

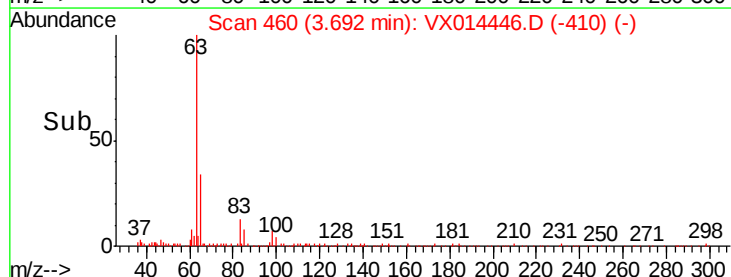
10000

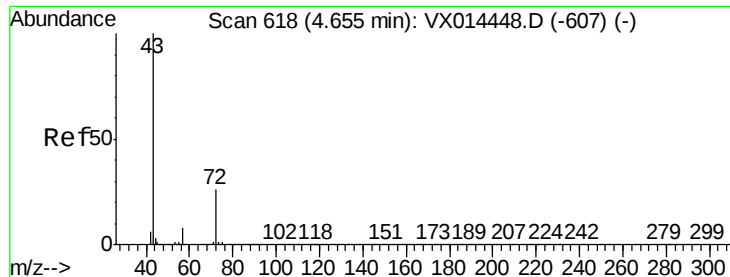
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 22.881 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

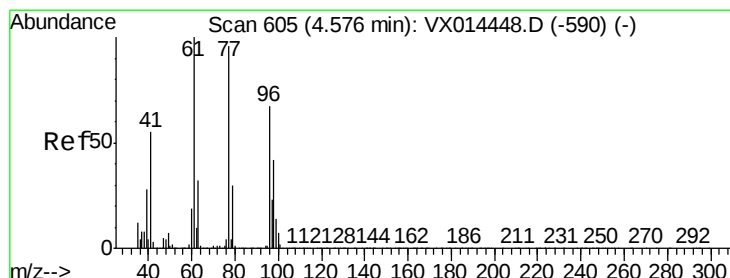
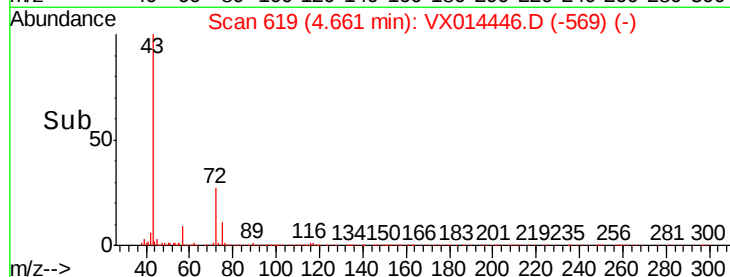
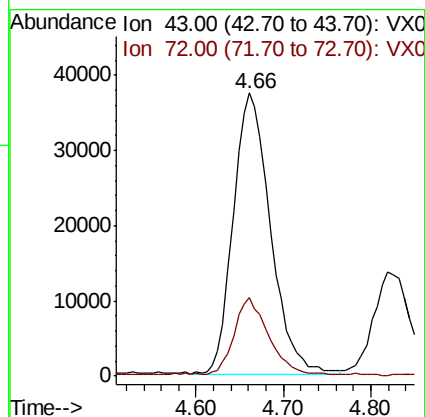
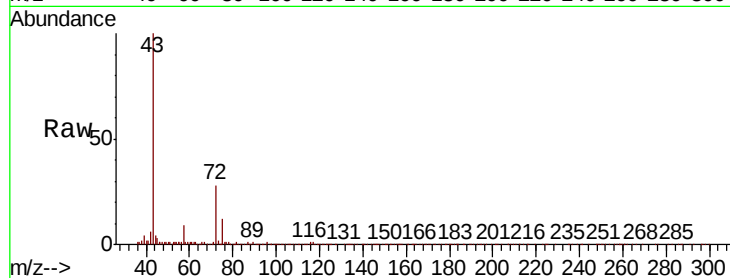
VSTDIC005

Tot Ion: 43 Resp: 110805

Ion Ratio Lower Upper

43 100

72 27.4 20.6 31.0



#26

2,2-Dichloropropane

Concen: 4.909 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.01 min

Lab File: VX014446.D

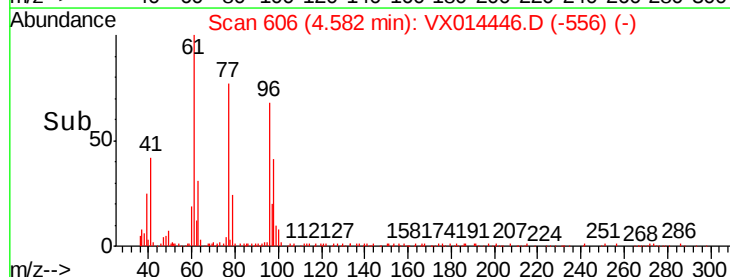
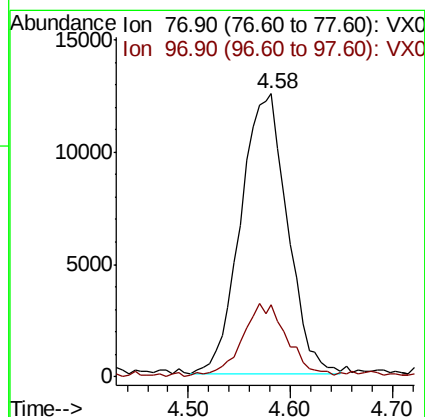
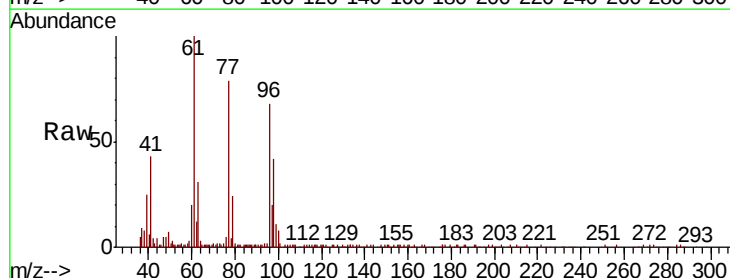
Acq: 07 Jan 2020 13:58

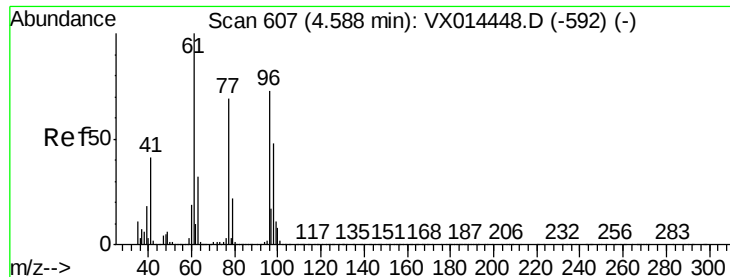
Tgt Ion: 77 Resp: 39659

Ion Ratio Lower Upper

77 100

97 25.5 11.7 35.1



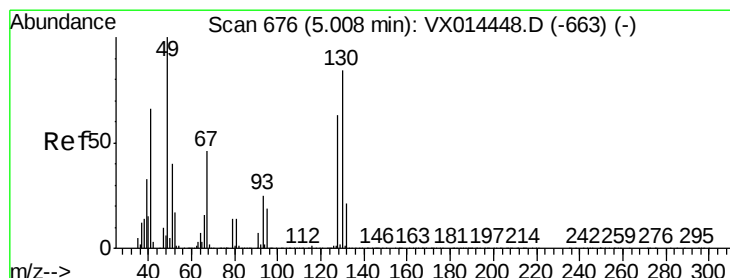
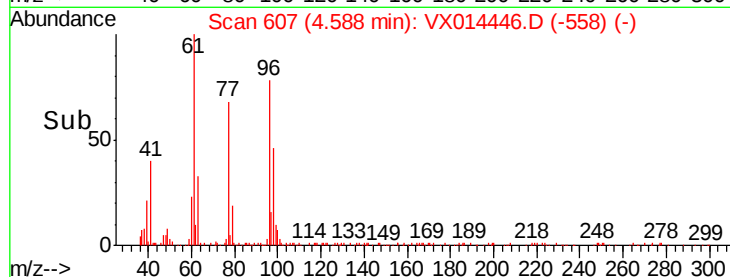
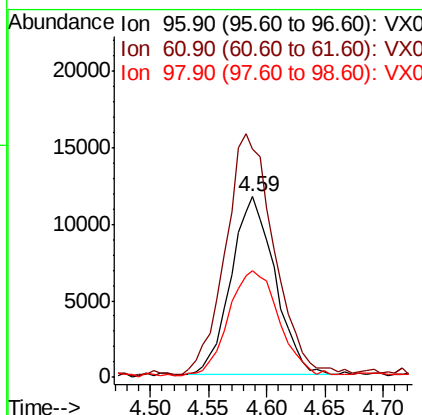
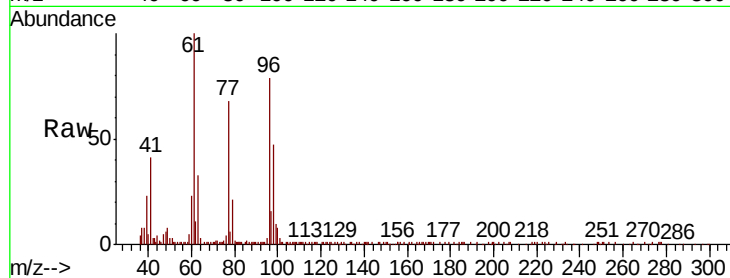


#27

cis-1,2-Dichloroethene
Concen: 4.709 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

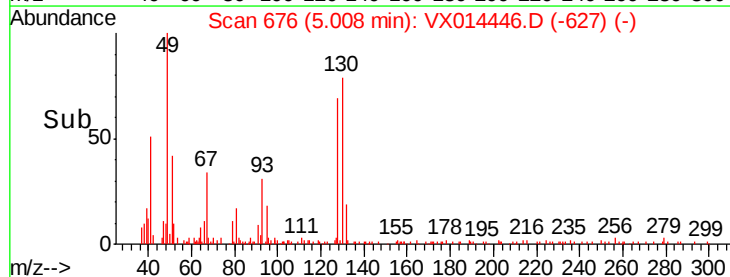
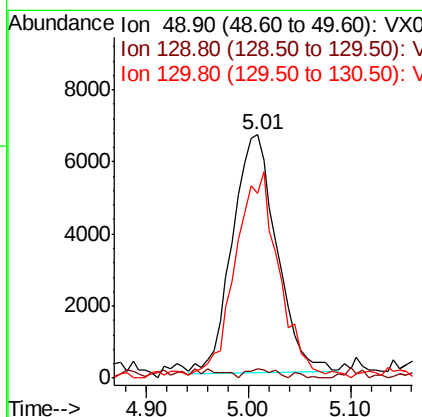
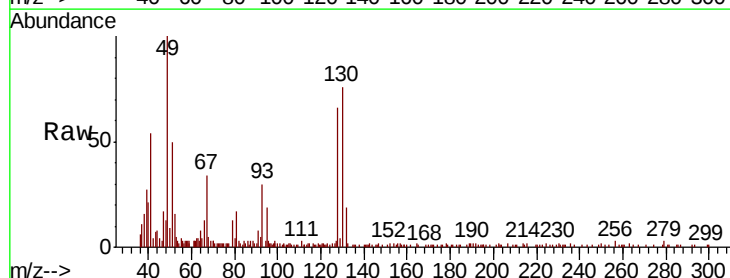
Tot Ion	96	Resp	30640
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	285.4
98	68.1	0.0	130.6

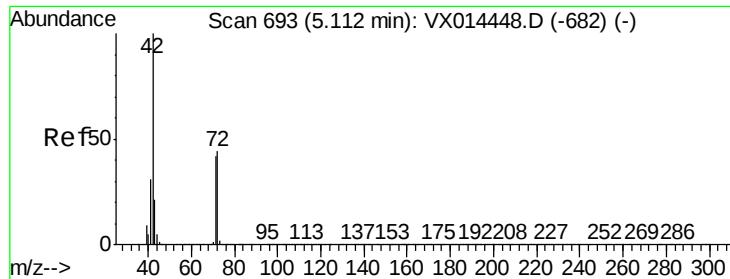


#28

Bromochloromethane
Concen: 5.589 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion	49	Resp	19975
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	81.7	67.0	100.4





#29

Tetrahydrofuran

Concen: 23.957 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

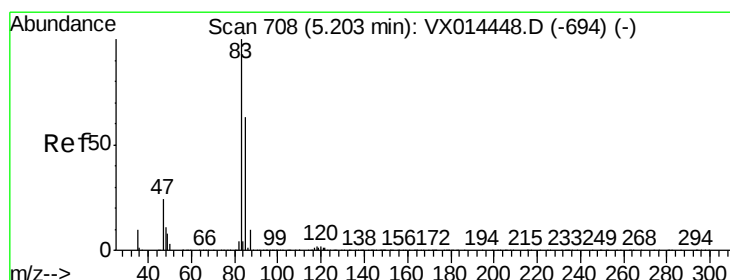
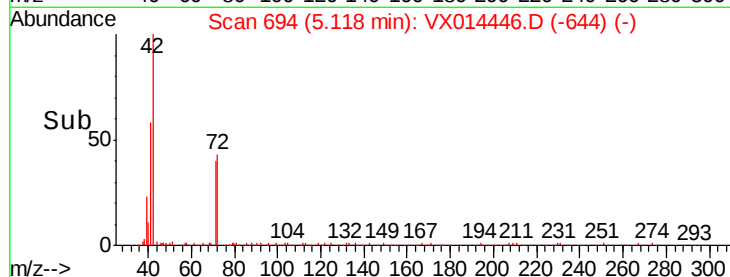
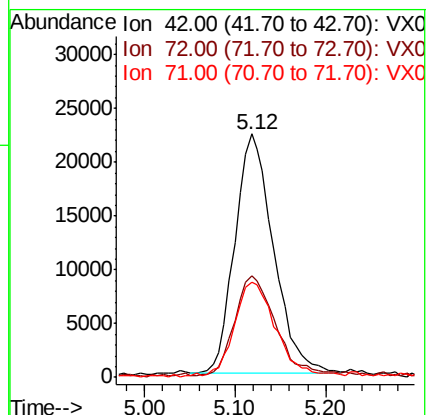
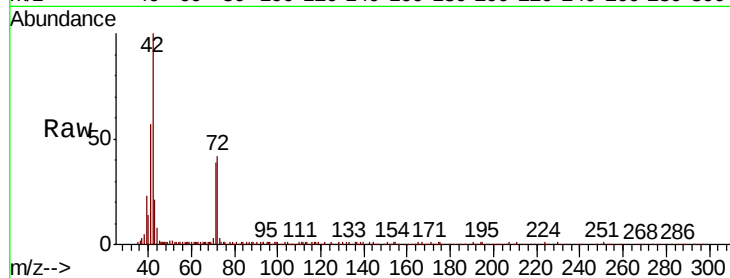
Tot Ion: 42 Resp: 66123

Ion Ratio Lower Upper

42 100

72 45.7 36.2 54.4

71 42.3 34.1 51.1



#30

Chloroform

Concen: 4.747 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014446.D

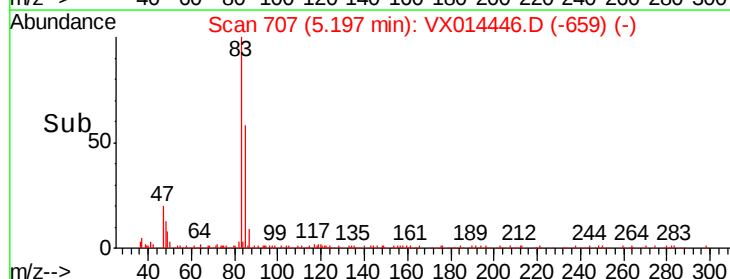
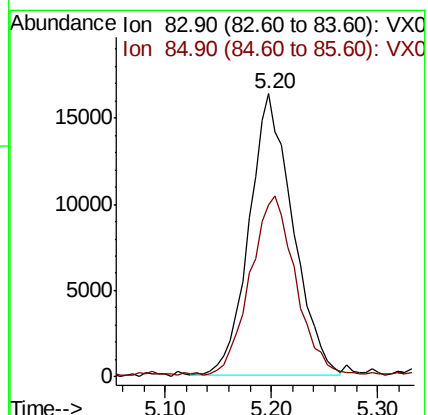
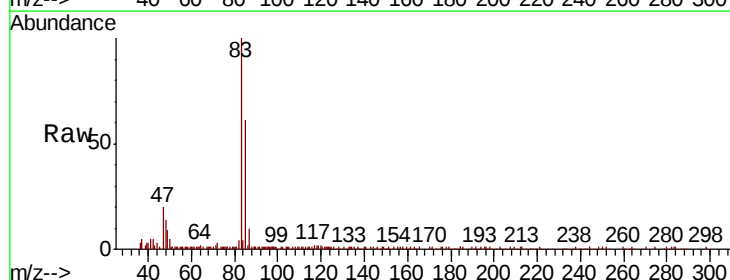
Acq: 07 Jan 2020 13:58

Tgt Ion: 83 Resp: 46416

Ion Ratio Lower Upper

83 100

85 60.2 50.6 75.8

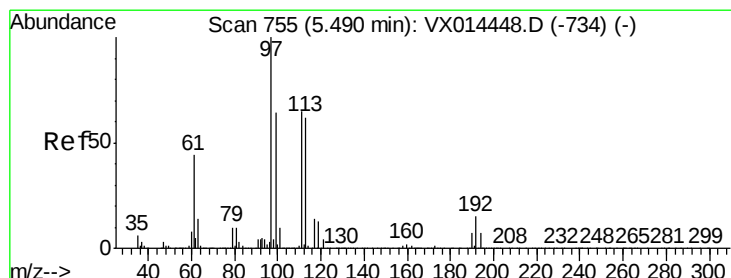
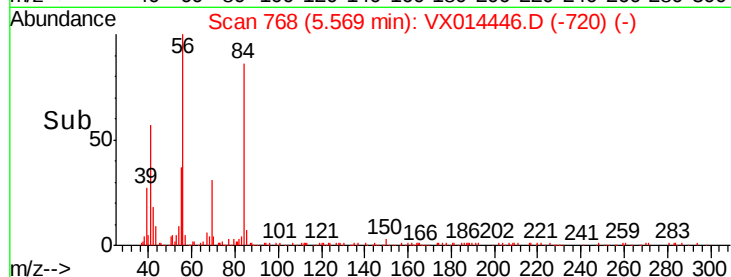
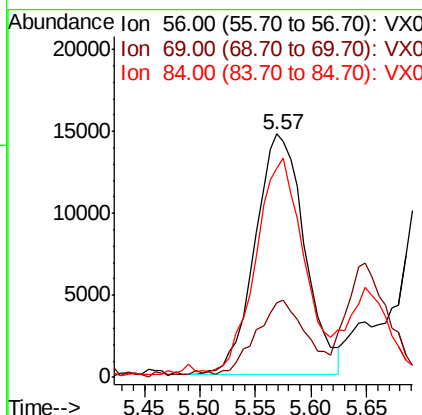
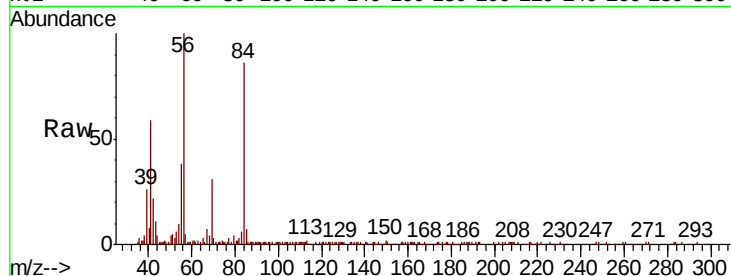




#31
Cyclohexane
Concen: 4.918 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

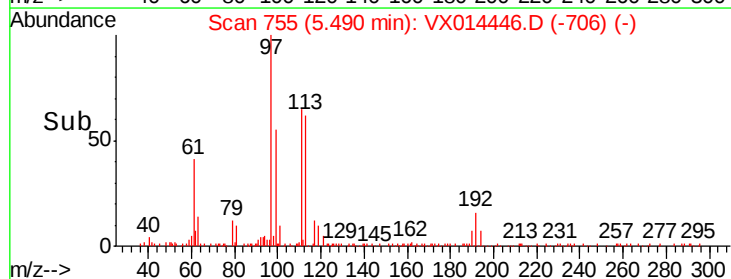
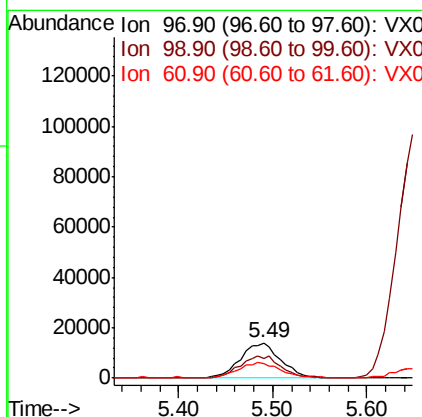
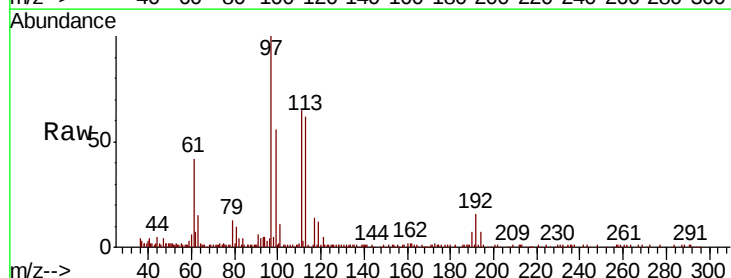
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

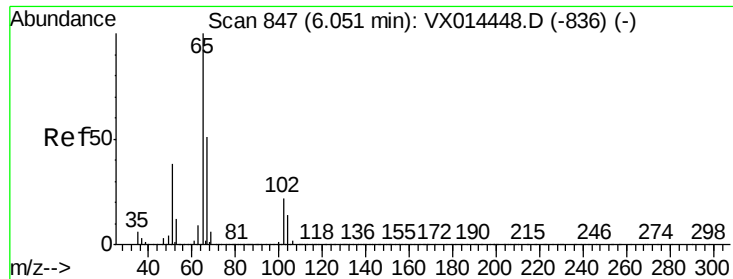
Tot Ion: 56 Resp: 45537
Ion Ratio Lower Upper
56 100
69 29.9 24.4 36.6
84 81.4 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 5.006 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 97 Resp: 41874
Ion Ratio Lower Upper
97 100
99 61.6 51.8 77.6
61 43.9 35.9 53.9

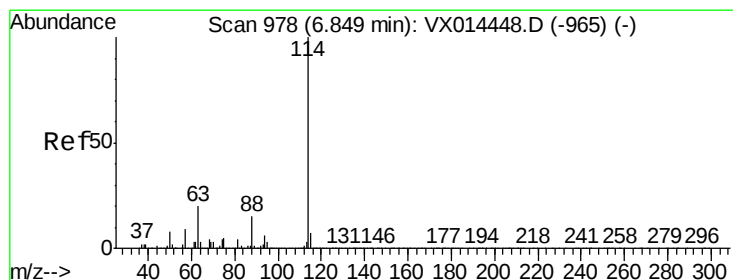
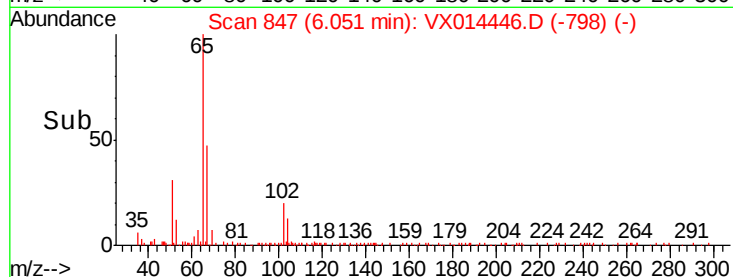
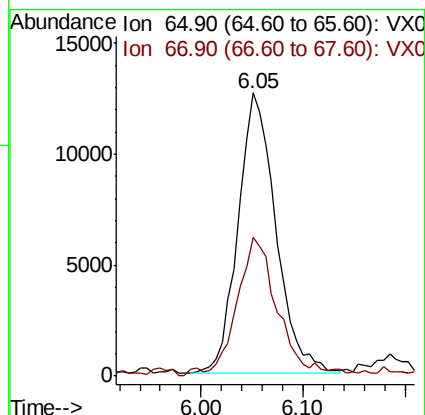
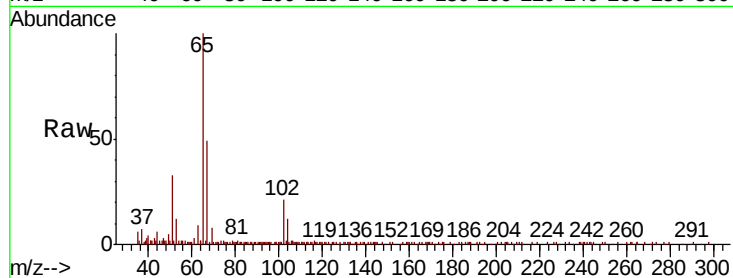




#33
 1,2-Dichloroethane-d4
 Concen: 5.360 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

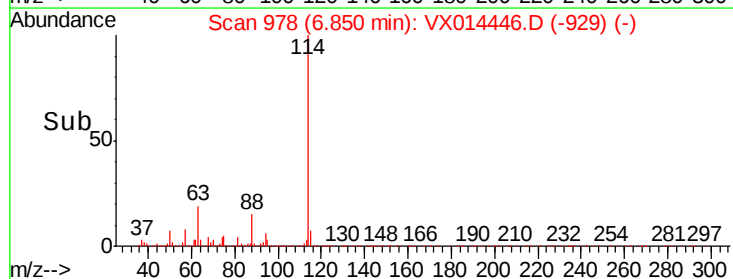
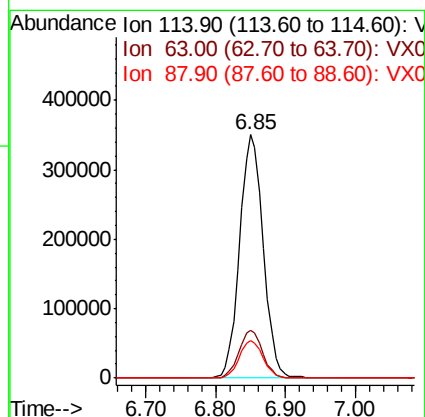
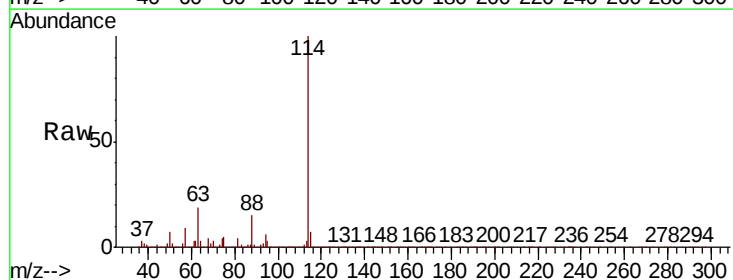
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

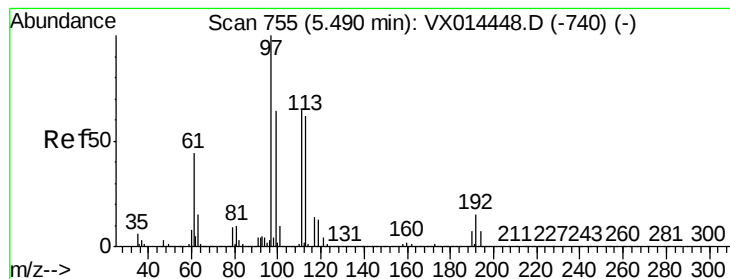
Tot Ion: 65 Resp: 32604
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

Tgt Ion: 114 Resp: 818764
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 5.072 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

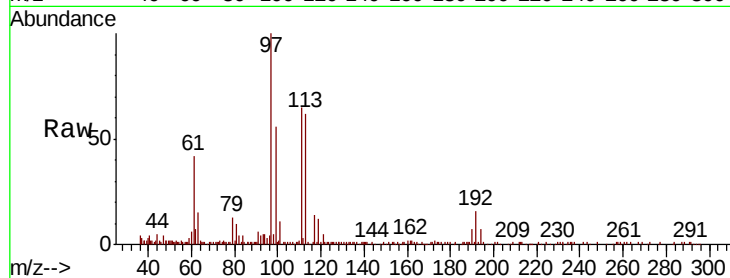
Tot Ion:113 Resp: 25207

Ion Ratio Lower Upper

113 100

111 98.4 81.5 122.3

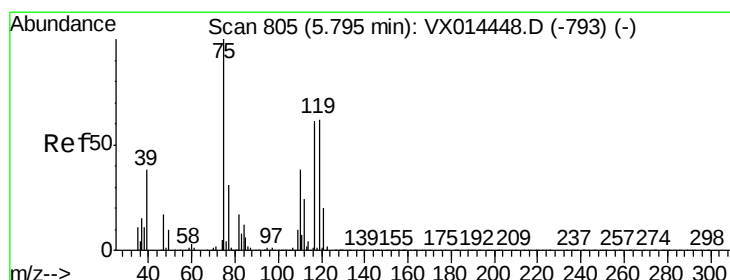
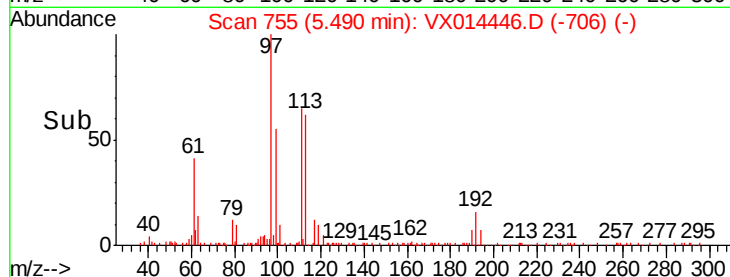
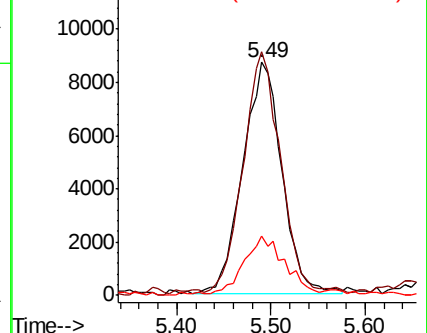
192 25.6 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

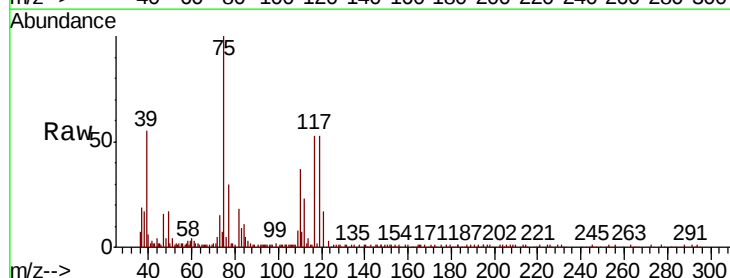
Tgt Ion: 75 Resp: 37491

Ion Ratio Lower Upper

75 100

110 37.8 18.6 55.8

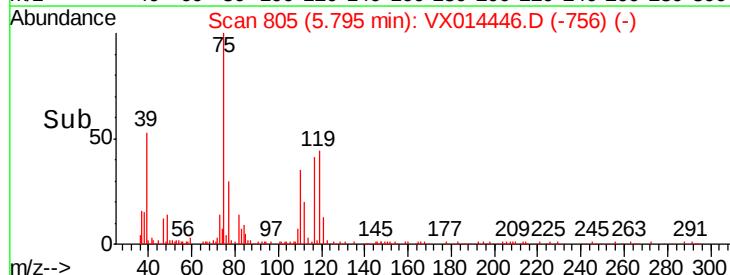
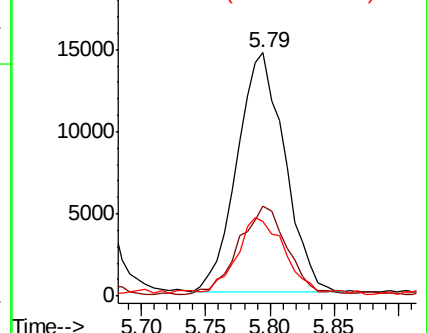
77 29.8 24.5 36.7

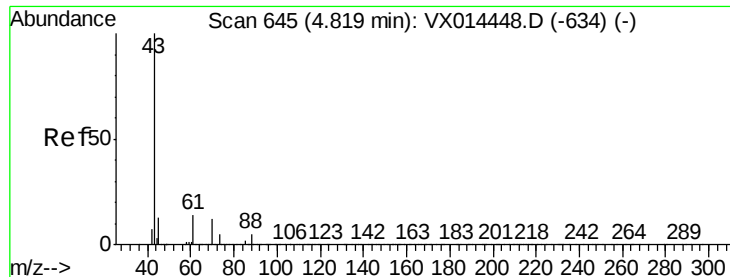


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

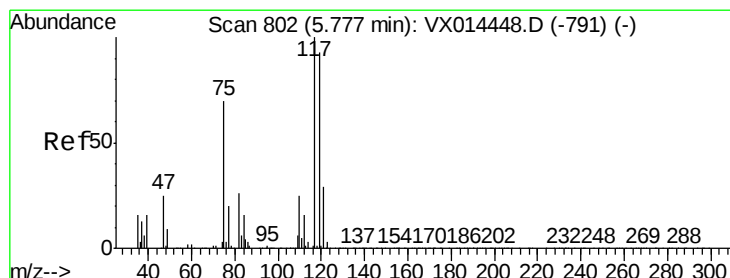
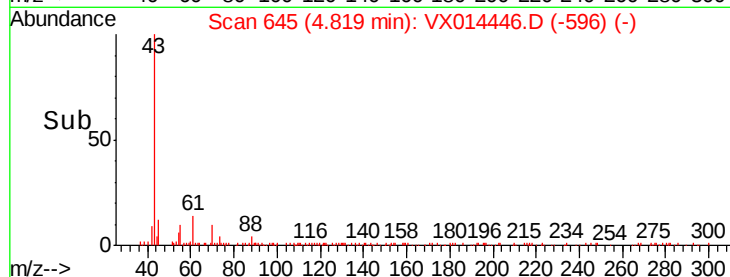
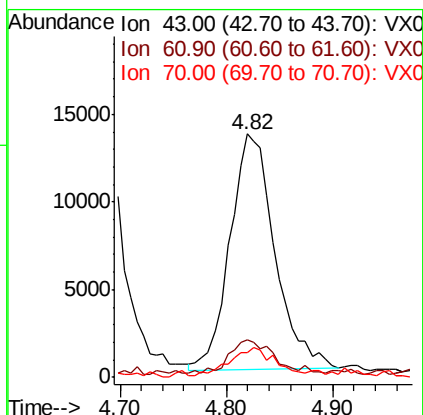
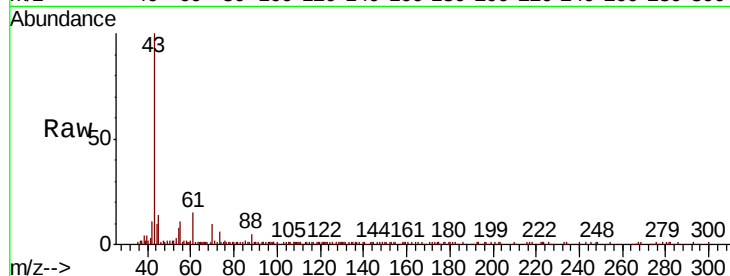




#37
Ethyl Acetate
Concen: 4.752 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

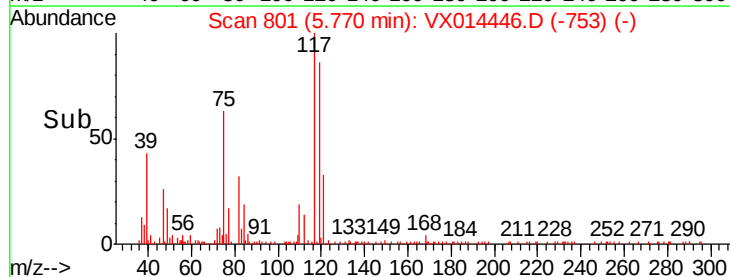
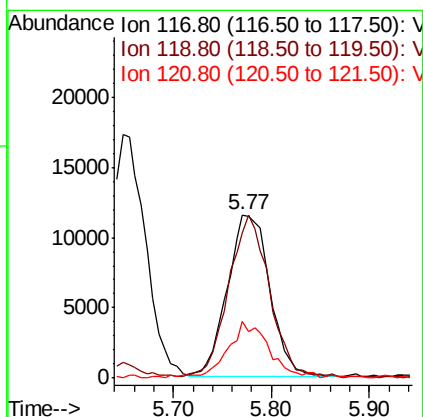
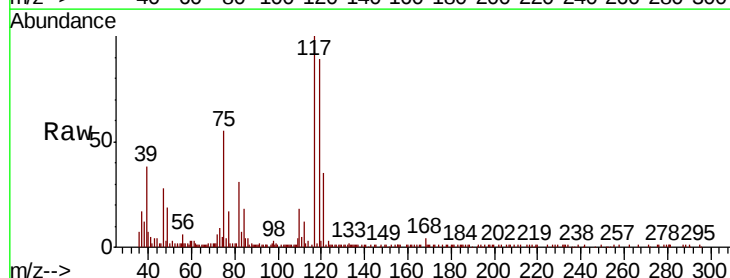
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

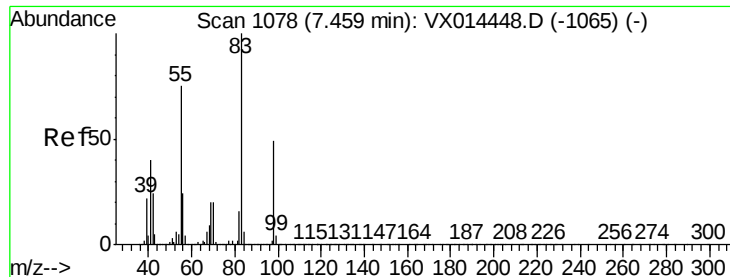
Tot Ion: 43 Resp: 39544
Ion Ratio Lower Upper
43 100
61 12.8 11.1 16.7
70 11.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 117 Resp: 34827
Ion Ratio Lower Upper
117 100
119 88.3 73.8 110.8
121 33.3 23.4 35.0

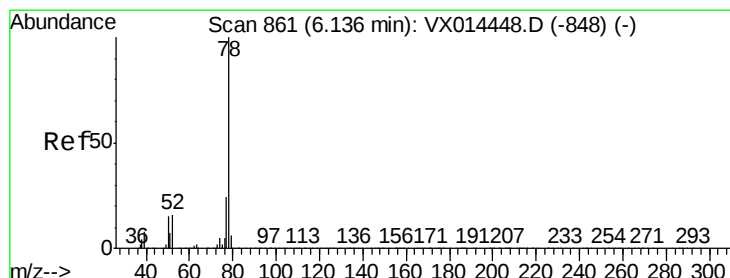
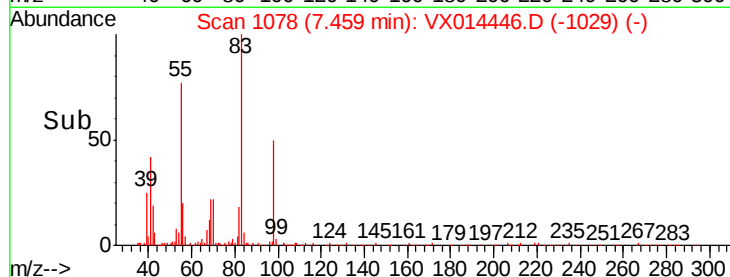
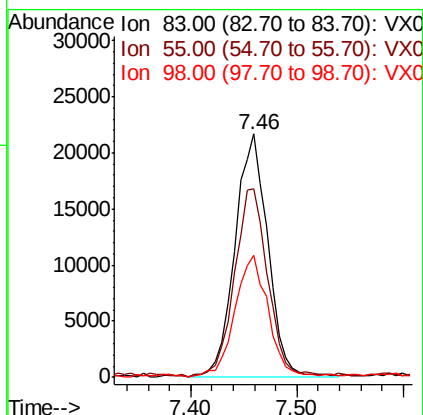
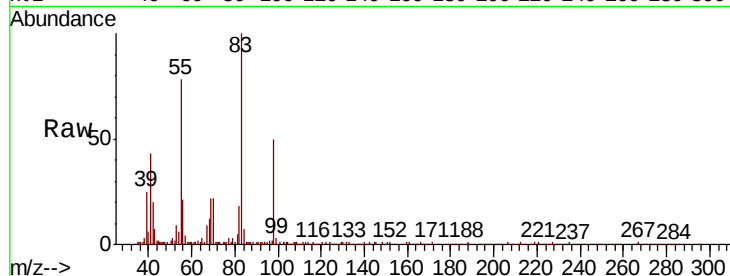




#39
Methvlcvclohexane
Concen: 5.008 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

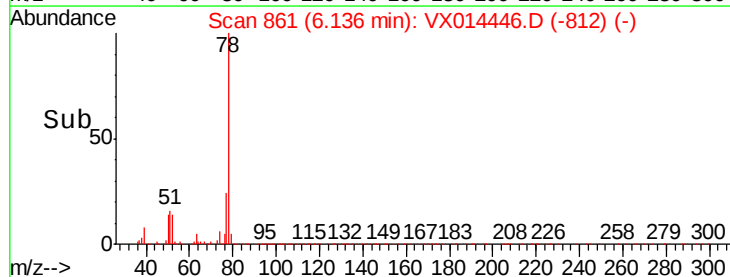
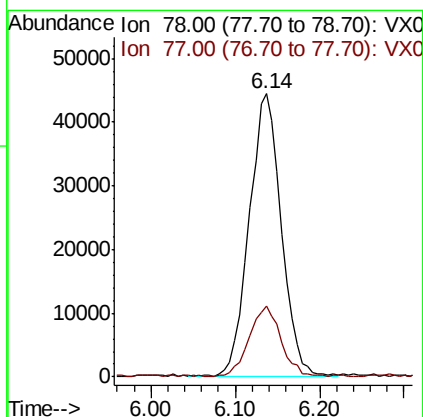
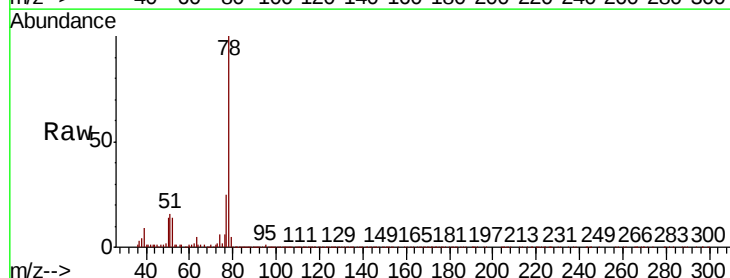
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

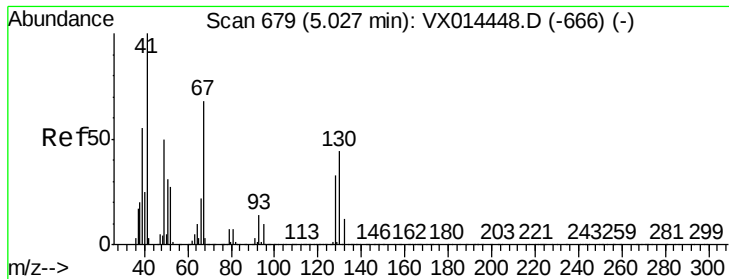
Tot Ion: 83 Resp: 47172
Ion Ratio Lower Upper
83 100
55 77.2 59.7 89.5
98 49.7 39.1 58.7



#40
Benzene
Concen: 4.915 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 78 Resp: 114174
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3

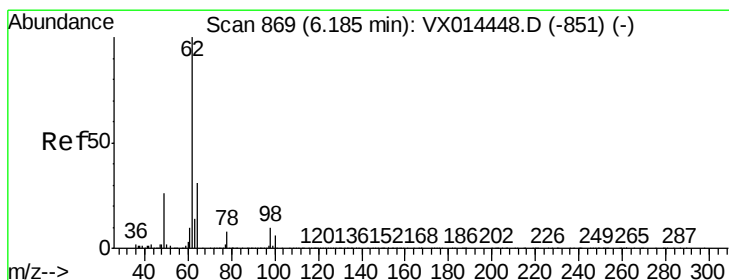
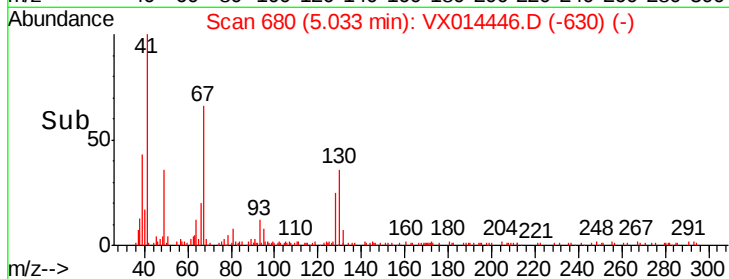
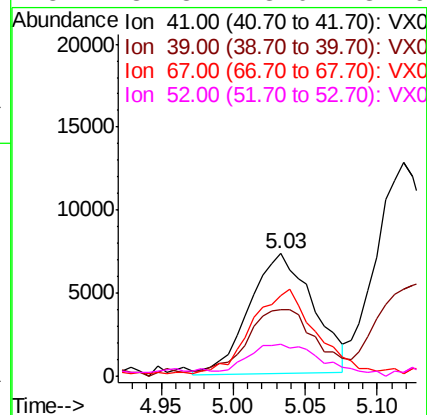
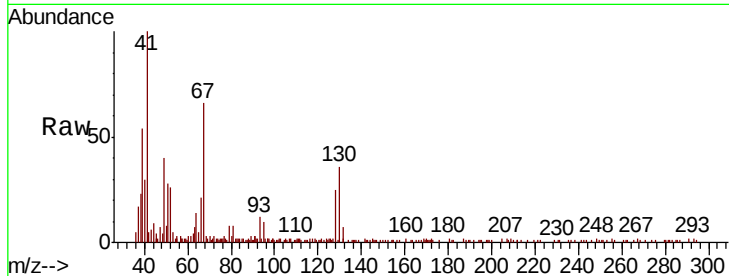




#41
Methacrylonitrile
Concen: 4.828 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

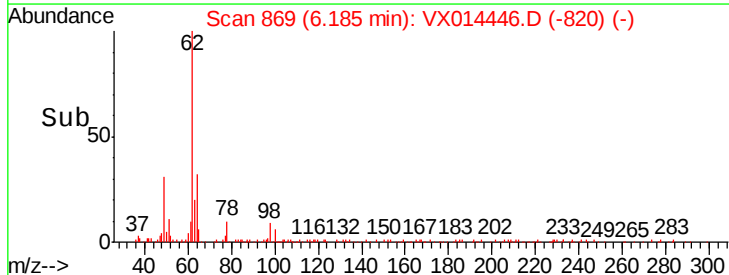
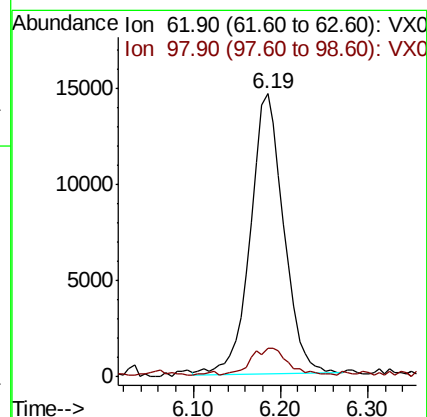
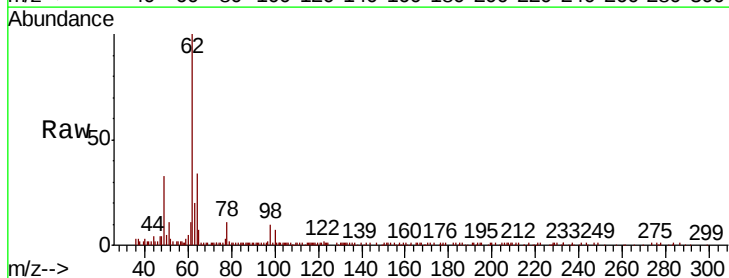
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

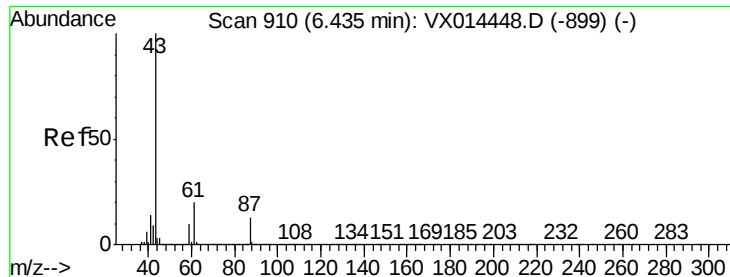
Tot Ion:	41	Resp:	22346
Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.6	65.4
67	70.7	57.9	86.9
52	31.8	23.0	34.6



#42
1,2-Dichloroethane
Concen: 4.886 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion:	62	Resp:	38483
Ion	Ratio	Lower	Upper
62	100		
98	12.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.769 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

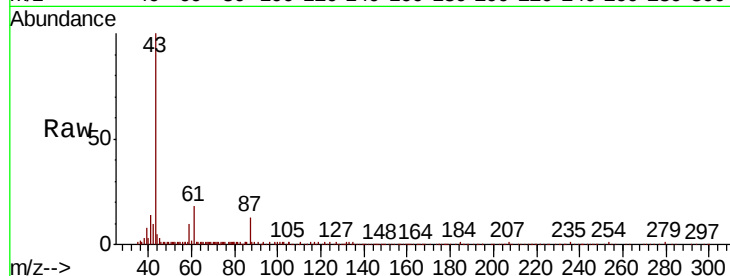
Tot Ion: 43 Resp: 65771

Ion Ratio Lower Upper

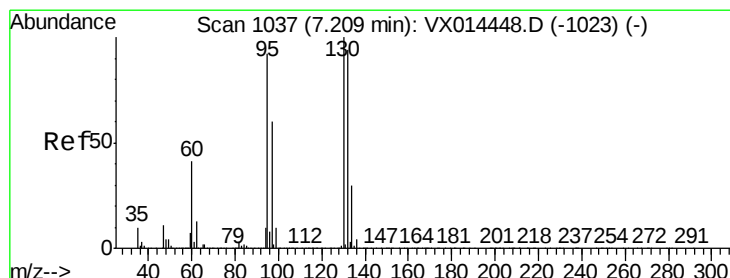
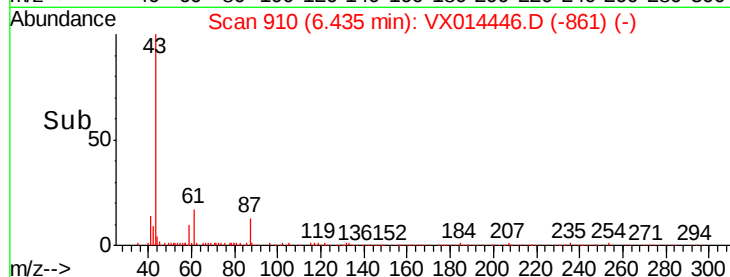
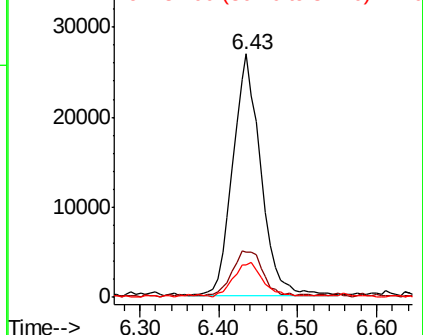
43 100

61 20.9 16.6 24.8

87 14.7 10.8 16.2



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



#44

Trichloroethene

Concen: 4.943 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014446.D

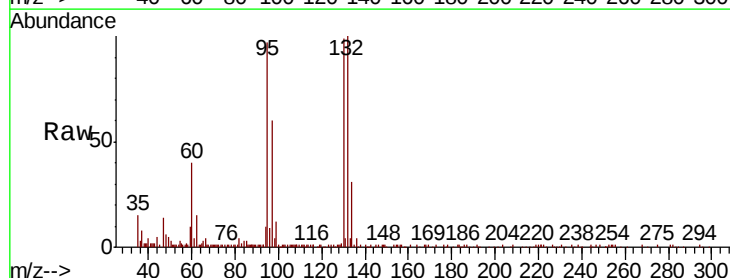
Acq: 07 Jan 2020 13:58

Tgt Ion:130 Resp: 32024

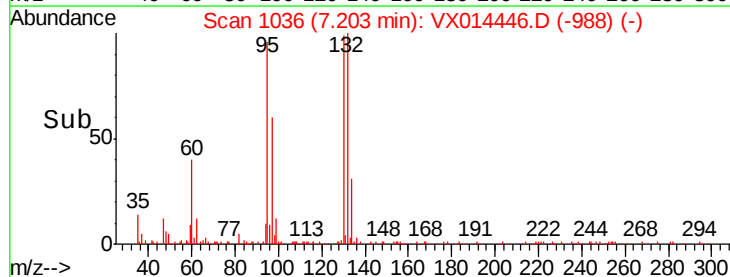
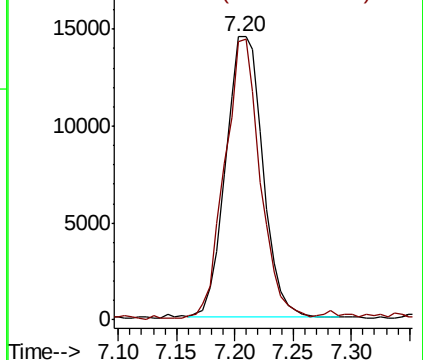
Ion Ratio Lower Upper

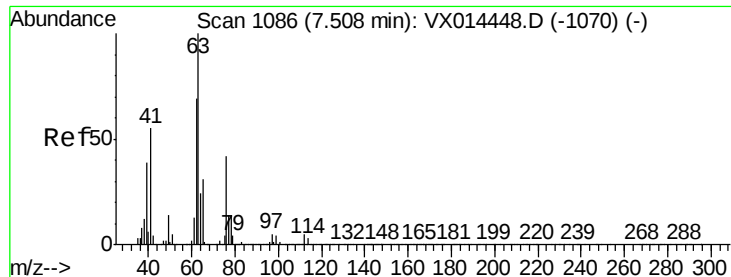
130 100

95 97.8 0.0 184.2



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

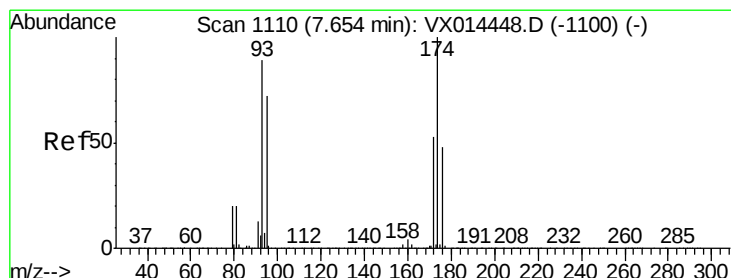
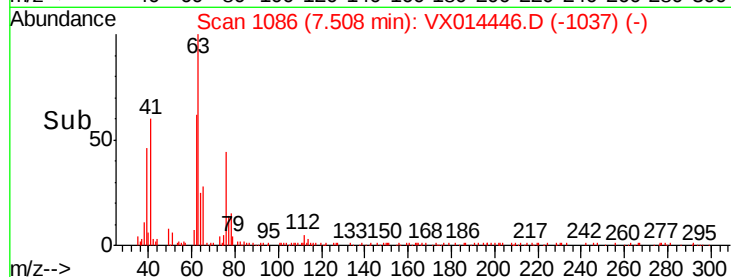
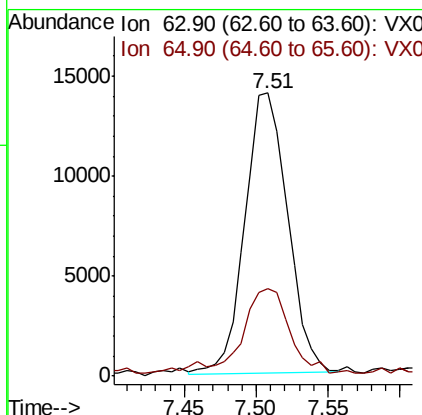
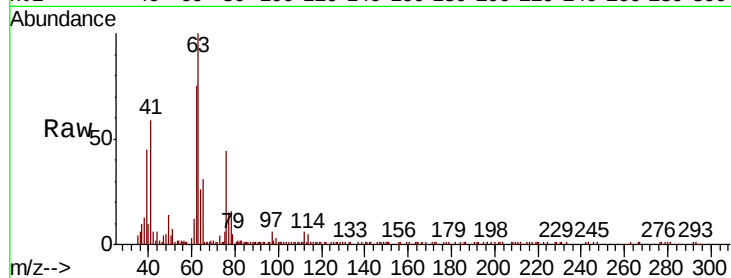




#45
 1,2-Dichloropropane
 Concen: 4.869 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

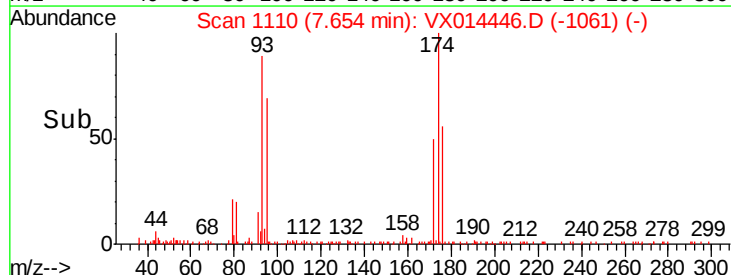
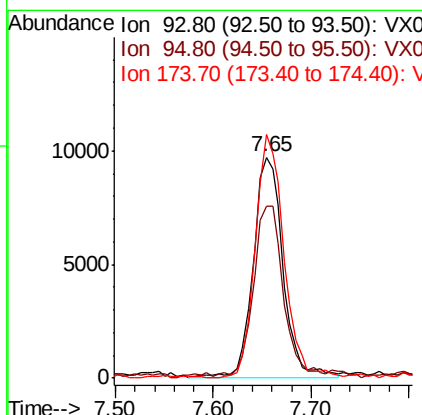
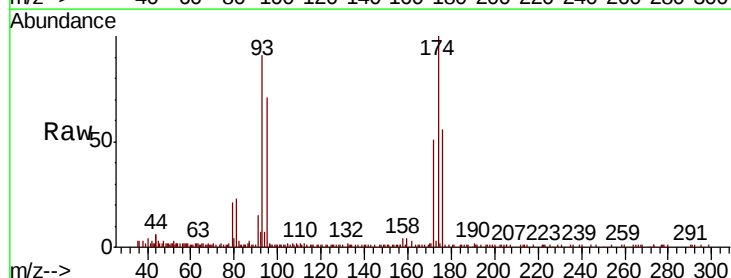
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

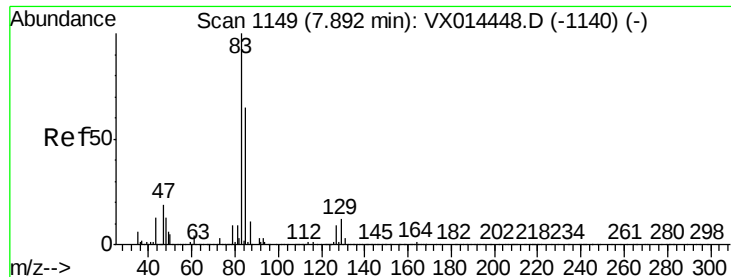
Tot Ion: 63 Resp: 28982
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2



#46
 Dibromomethane
 Concen: 5.266 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

Tgt Ion: 93 Resp: 20793
 Ion Ratio Lower Upper
 93 100
 95 76.7 65.4 98.2
 174 105.5 93.0 139.4





#47

Bromodichloromethane

Concen: 4.607 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

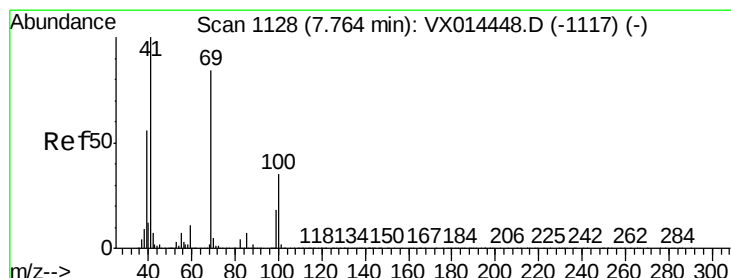
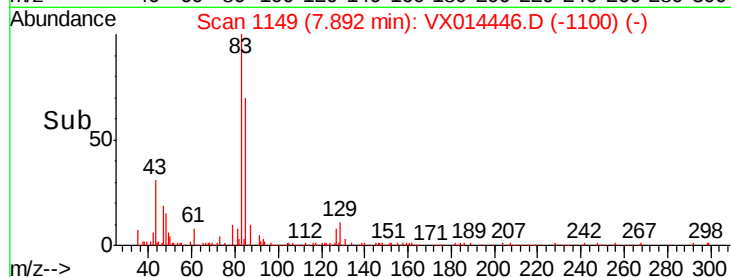
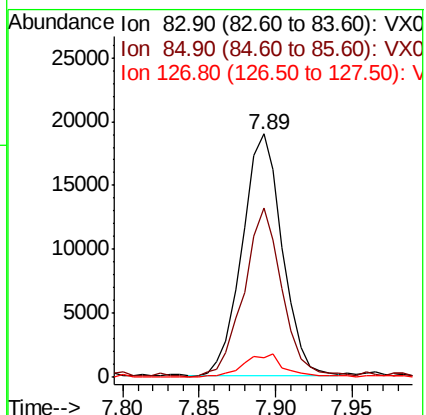
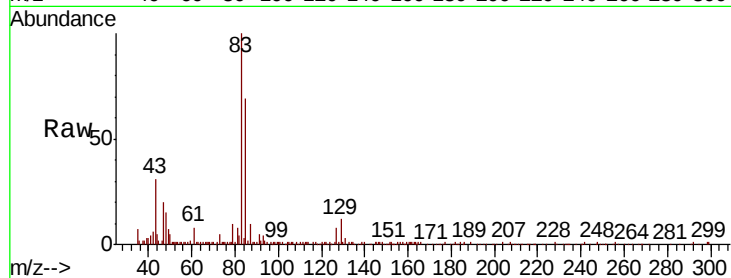
Tot Ion: 83 Resp: 34217

Ion Ratio Lower Upper

83 100

85 69.9 51.7 77.5

127 7.2 7.1 10.7



#48

Methyl methacrylate

Concen: 4.658 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

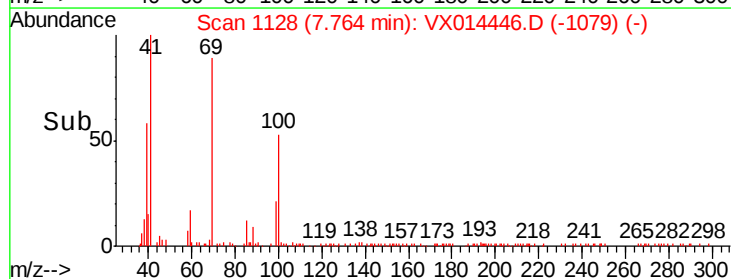
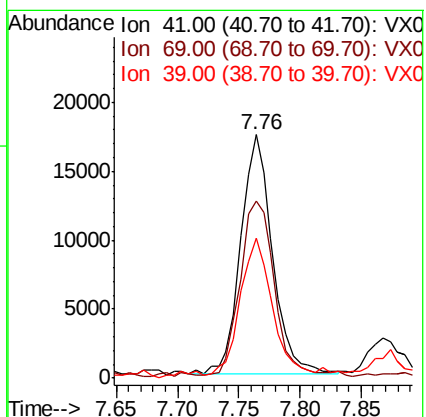
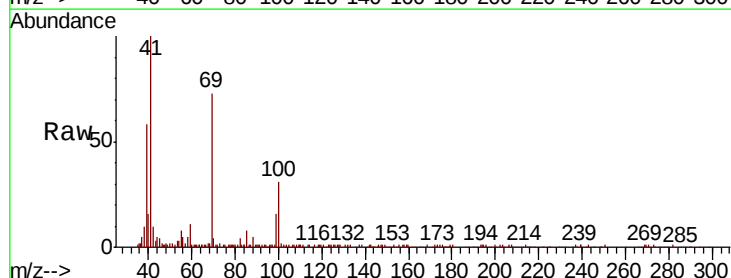
Tgt Ion: 41 Resp: 31443

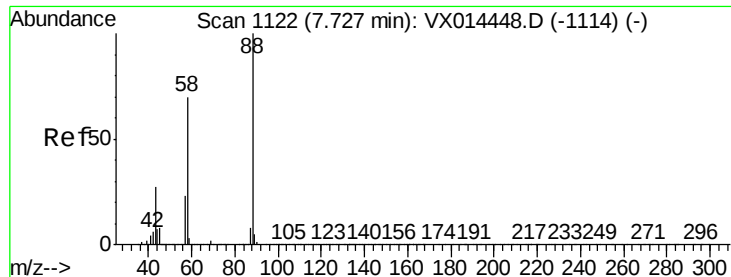
Ion Ratio Lower Upper

41 100

69 78.9 65.5 98.3

39 56.5 43.9 65.9





#49

1,4-Dioxane

Concen: 97.910 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

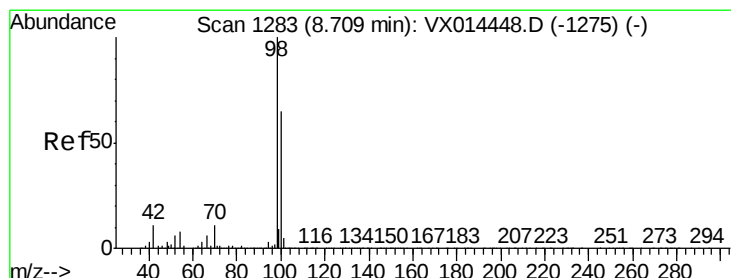
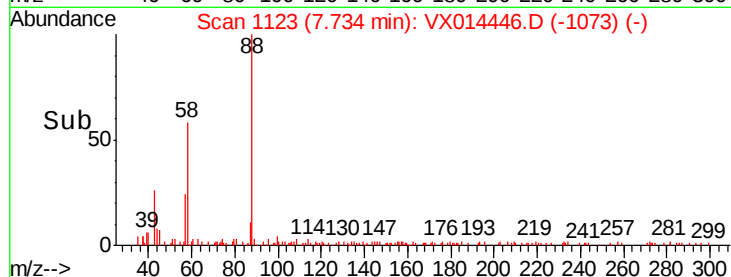
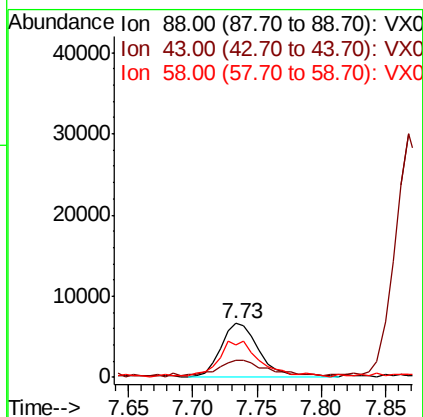
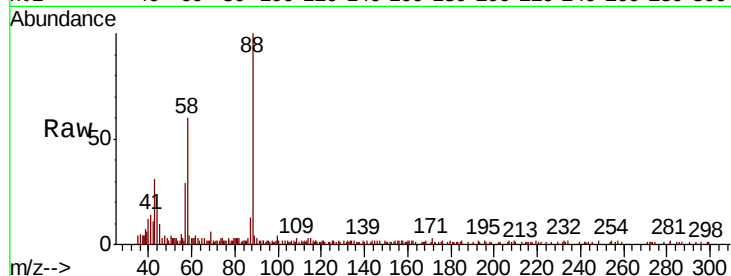
Tot Ion: 88 Resp: 13541

Ion Ratio Lower Upper

88 100

43 33.9 27.4 41.0

58 76.3 57.1 85.7



#50

Toluene-d8

Concen: 5.019 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014446.D

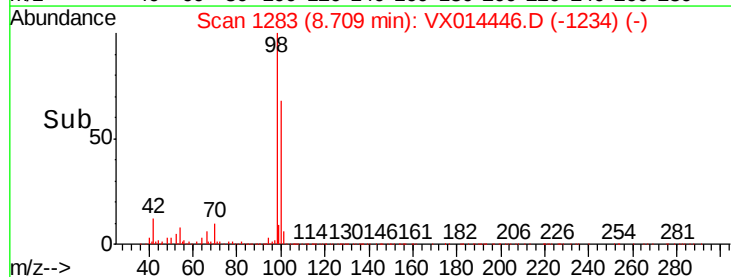
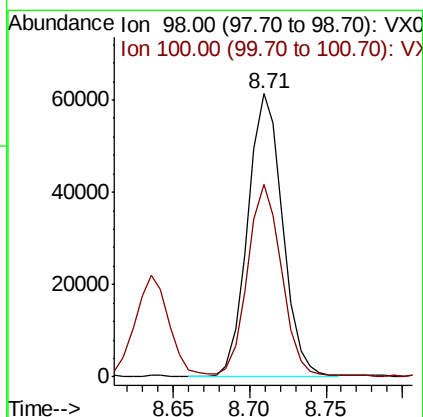
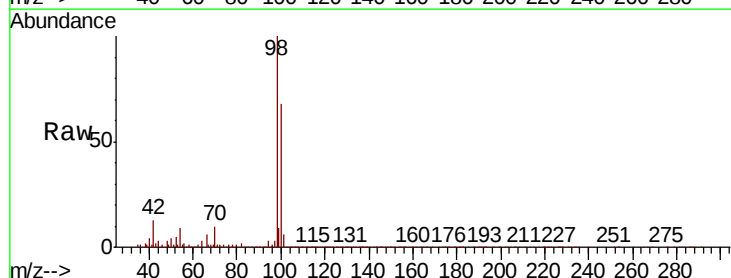
Acq: 07 Jan 2020 13:58

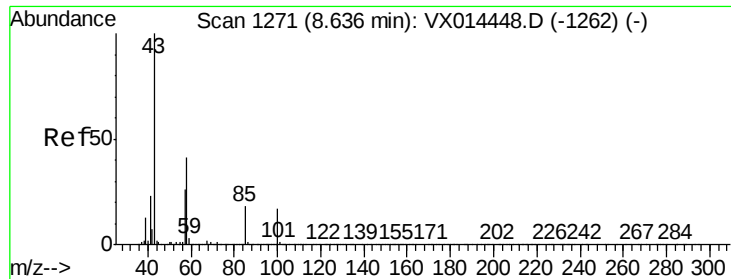
Tgt Ion: 98 Resp: 96659

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 23.561 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

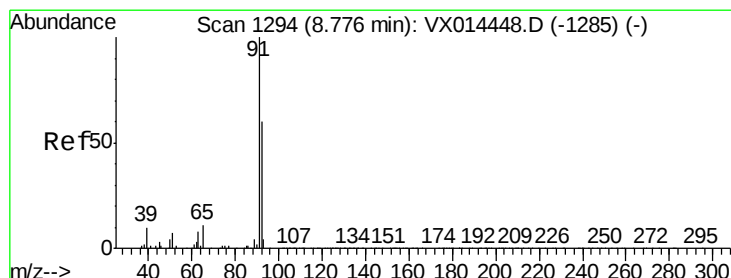
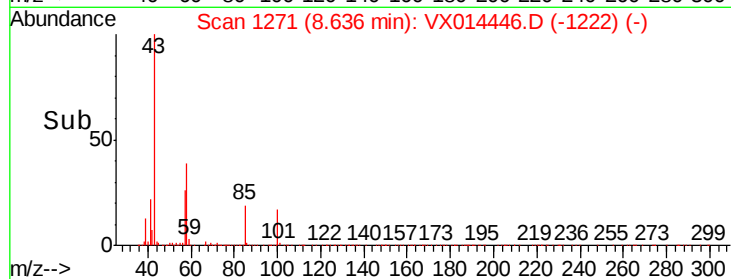
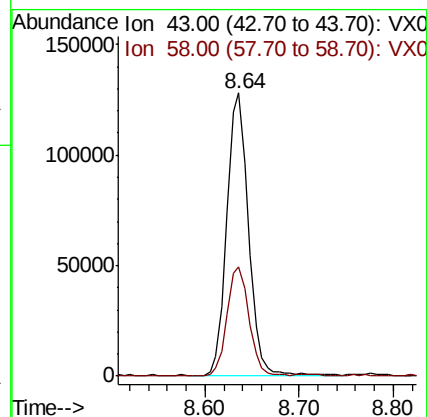
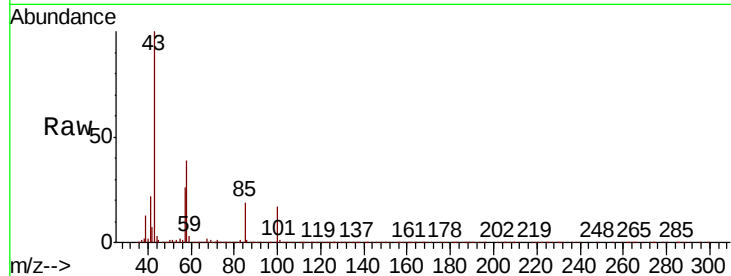
VSTDIC005

Tot Ion: 43 Resp: 203405

Ion Ratio Lower Upper

43 100

58 39.7 32.4 48.6



#52

Toluene

Concen: 4.944 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX014446.D

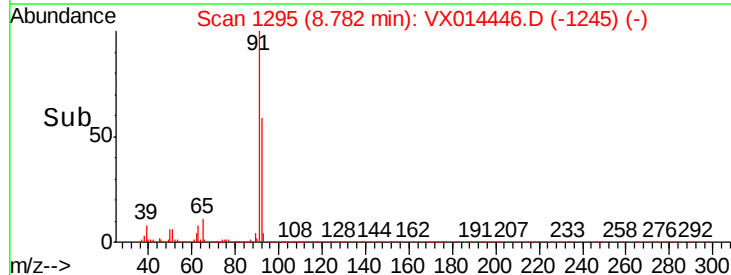
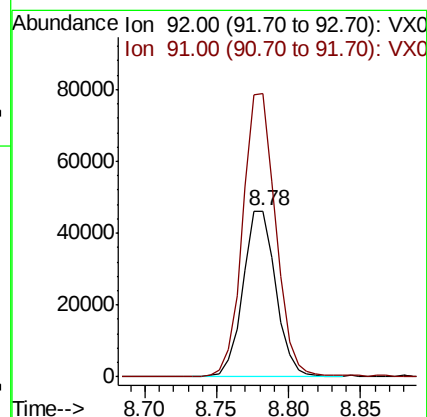
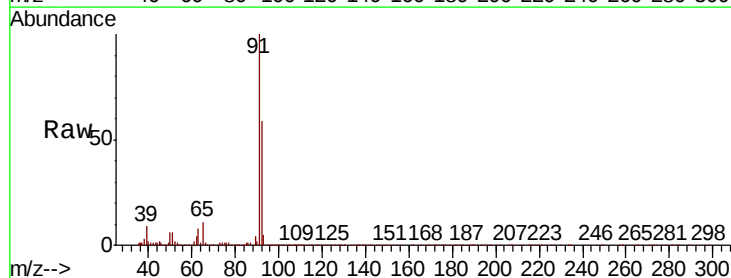
Acq: 07 Jan 2020 13:58

Tgt Ion: 92 Resp: 72734

Ion Ratio Lower Upper

92 100

91 172.8 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 4.829 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

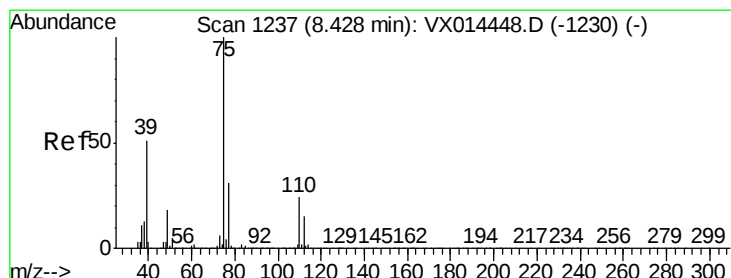
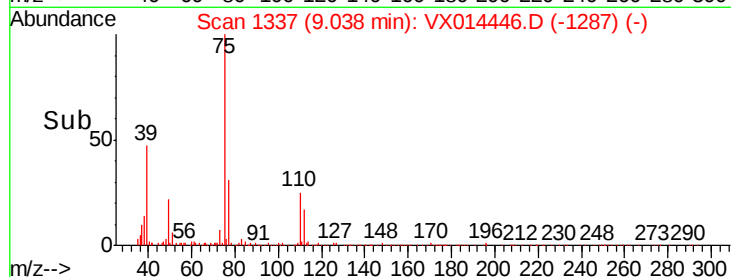
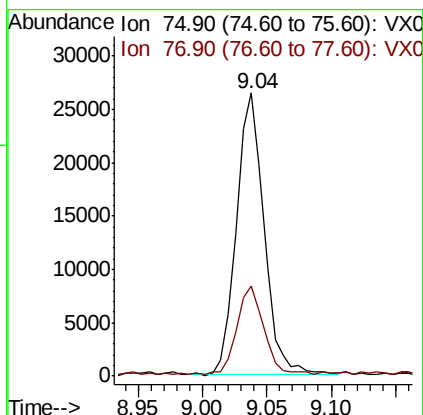
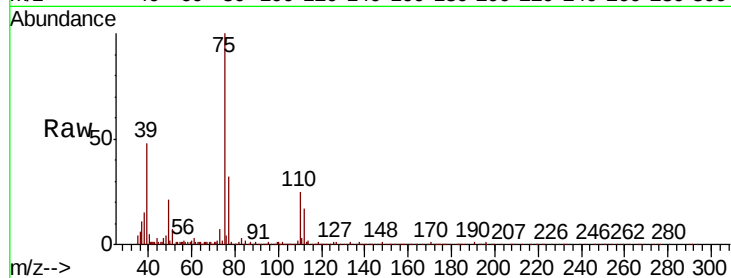
VSTDIC005

Tot Ion: 75 Resp: 39402

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.866 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

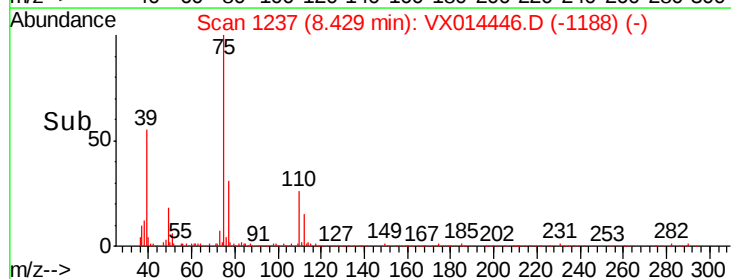
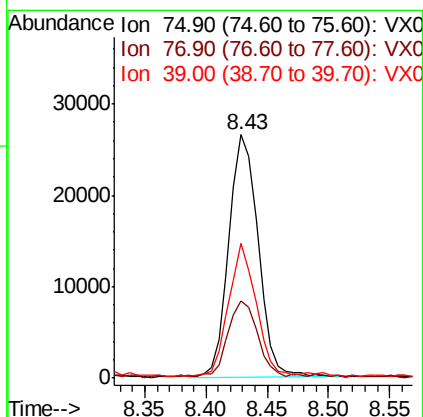
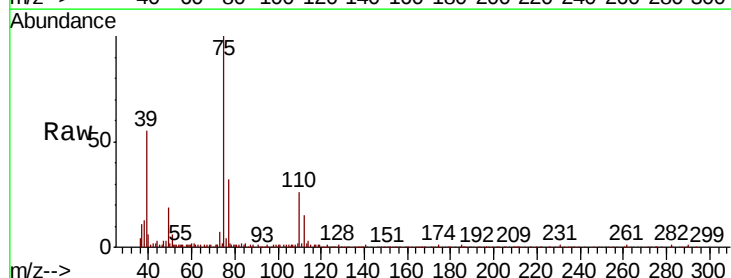
Tgt Ion: 75 Resp: 44224

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 54.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 4.769 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 28072

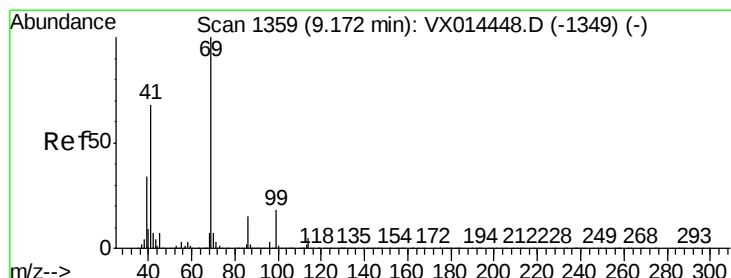
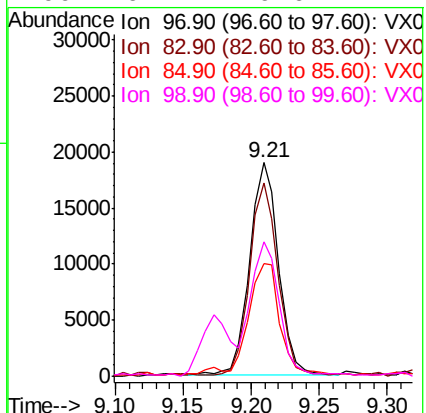
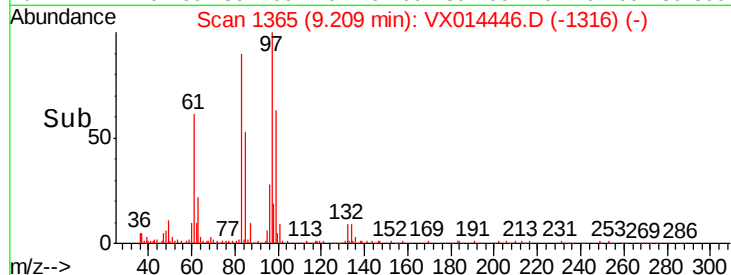
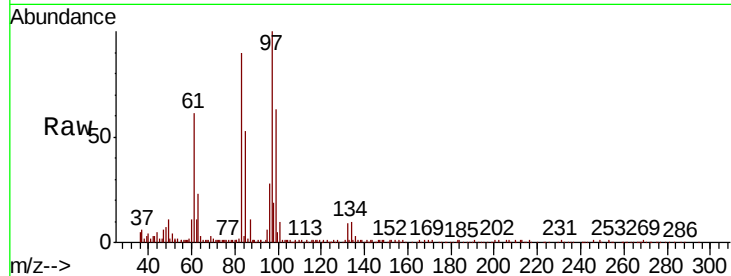
Ion Ratio Lower Upper

97 100

83 90.2 66.4 99.6

85 51.6 43.4 65.2

99 62.2 49.6 74.4



#56

Ethyl methacrylate

Concen: 4.655 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

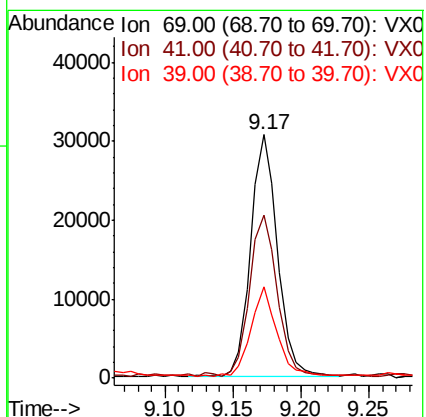
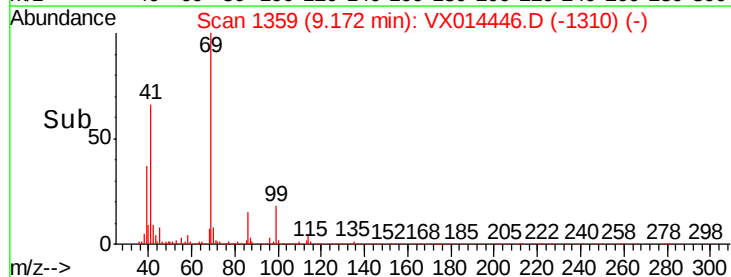
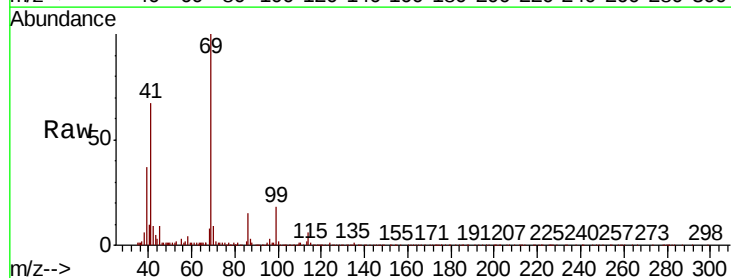
Tgt Ion: 69 Resp: 42946

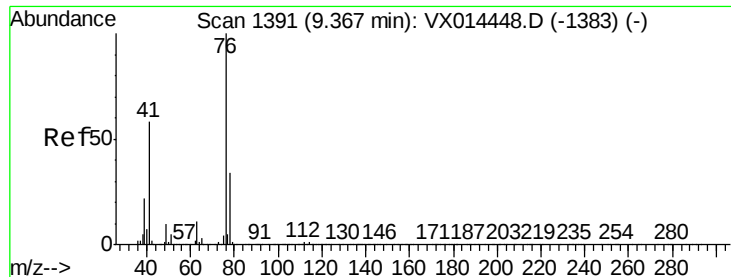
Ion Ratio Lower Upper

69 100

41 67.8 54.2 81.2

39 36.3 28.2 42.2





#57

1,3-Dichloropropane

Concen: 5.129 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

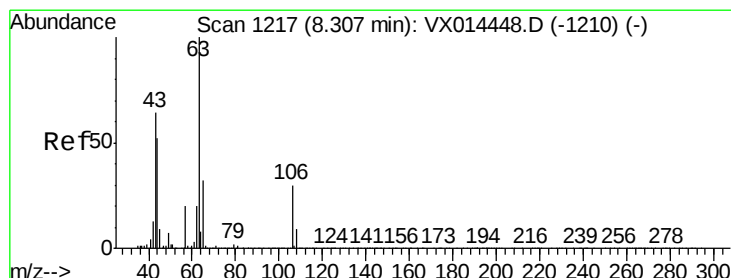
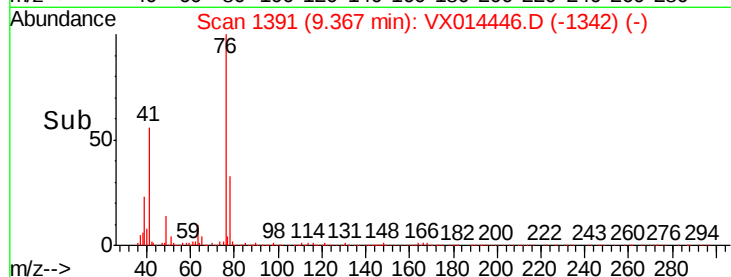
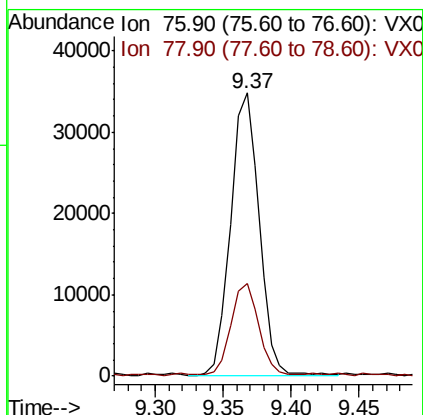
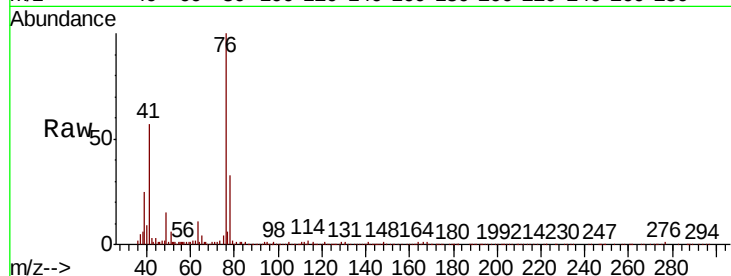
VSTDIC005

Tot Ion: 76 Resp: 50579

Ion Ratio Lower Upper

76 100

78 32.9 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 20.735 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014446.D

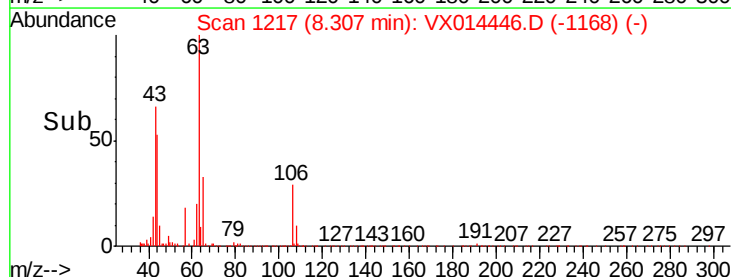
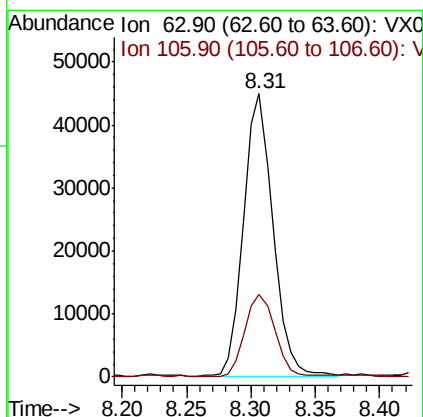
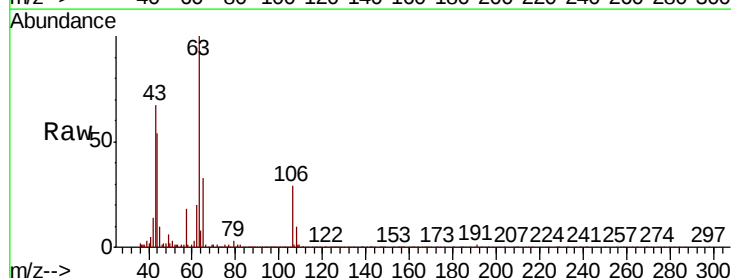
Acq: 07 Jan 2020 13:58

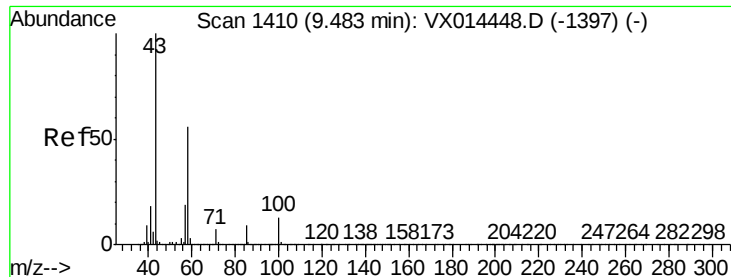
Tgt Ion: 63 Resp: 70635

Ion Ratio Lower Upper

63 100

106 29.8 23.6 35.4





#59

2-Hexanone

Concen: 23.114 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

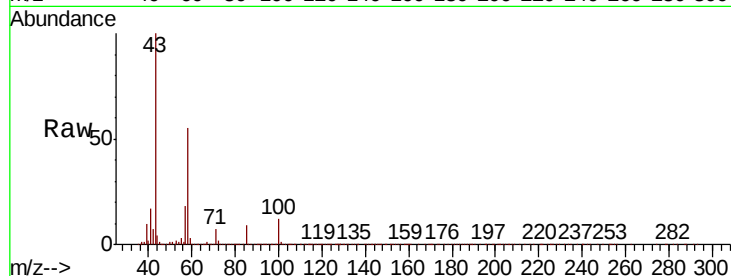
VSTDIC005

Tot Ion: 43 Resp: 159593

Ion Ratio Lower Upper

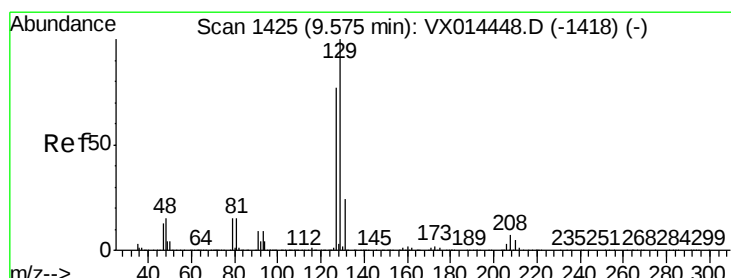
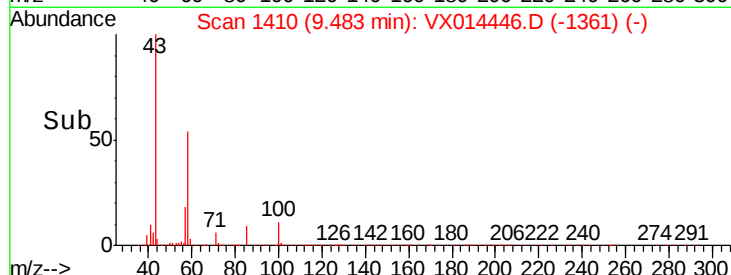
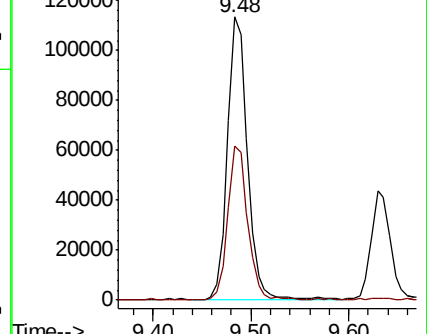
43 100

58 54.6 27.9 83.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 4.697 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014446.D

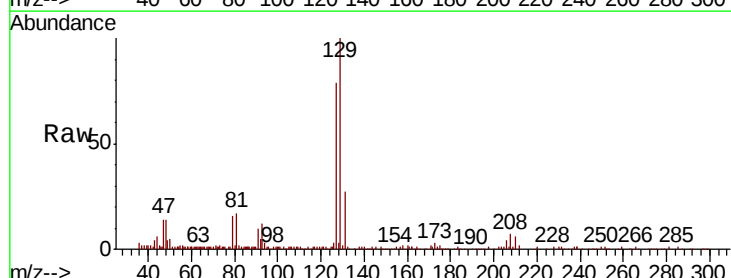
Acq: 07 Jan 2020 13:58

Tgt Ion: 129 Resp: 27551

Ion Ratio Lower Upper

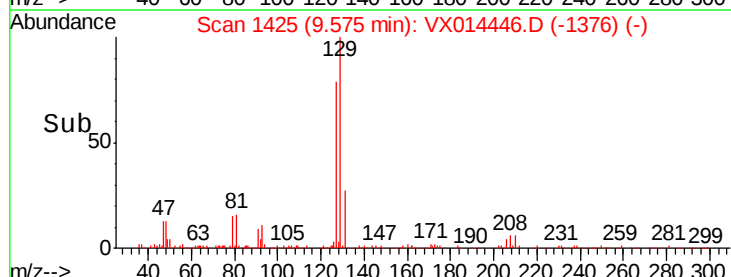
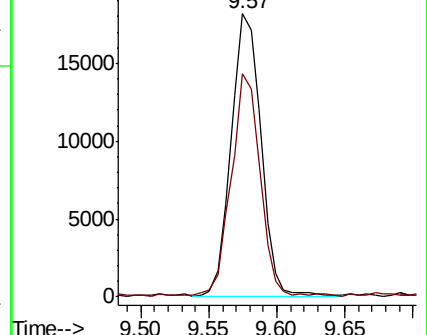
129 100

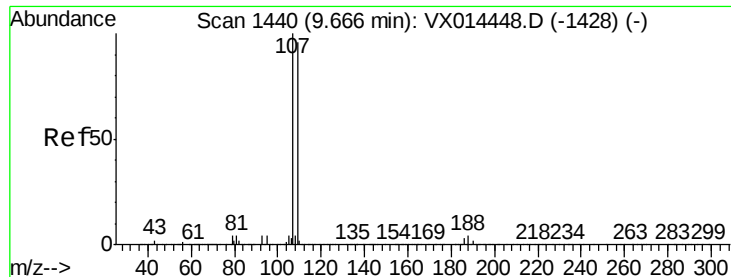
127 77.8 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 5.223 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

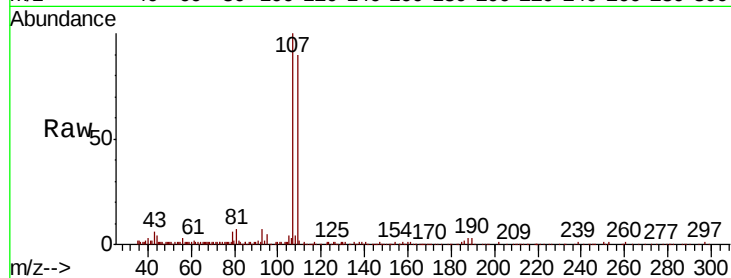
VSTDIC005

Tot Ion:107 Resp: 31461

Ion Ratio Lower Upper

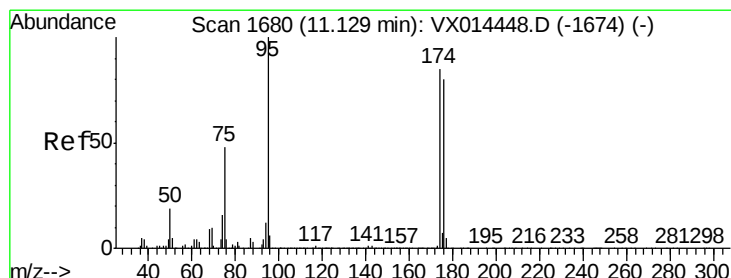
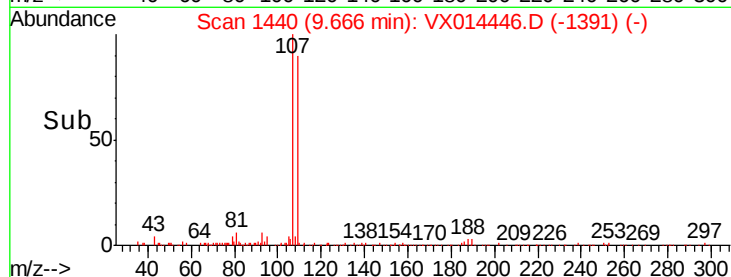
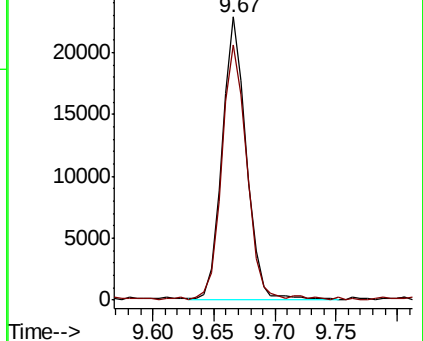
107 100

109 92.5 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.058 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

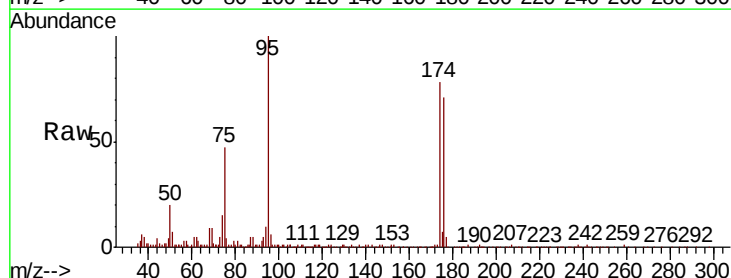
Tgt Ion: 95 Resp: 35616

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.8

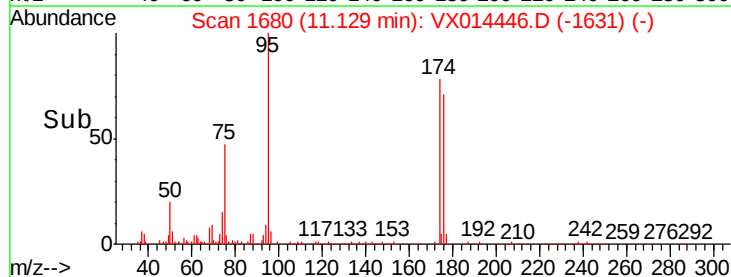
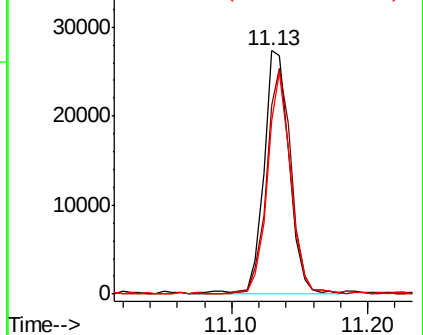
176 84.4 0.0 172.8

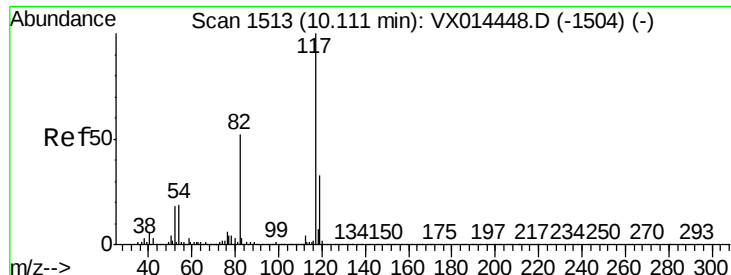


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

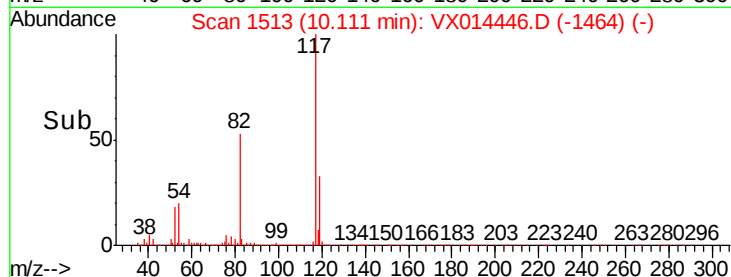
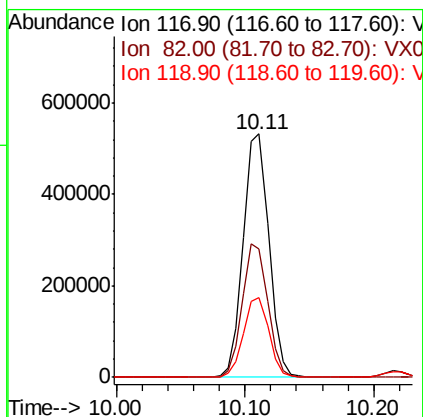
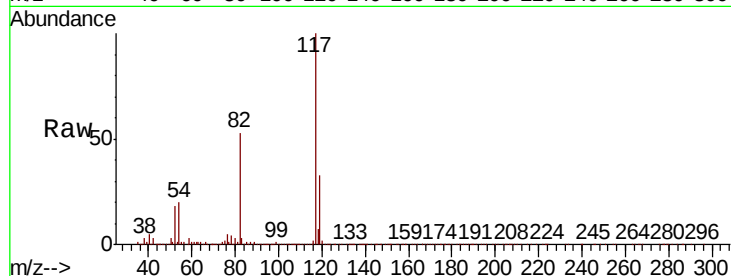




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

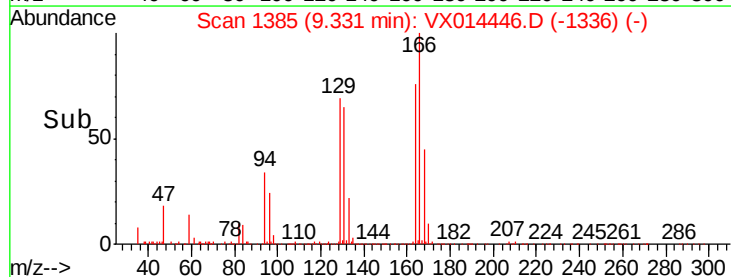
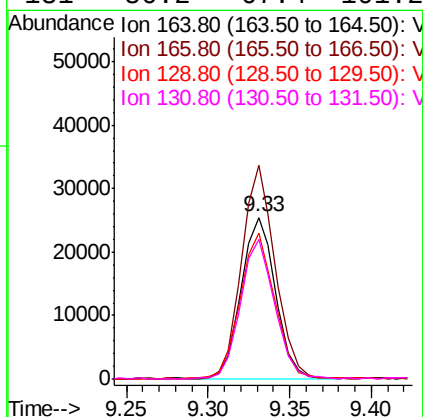
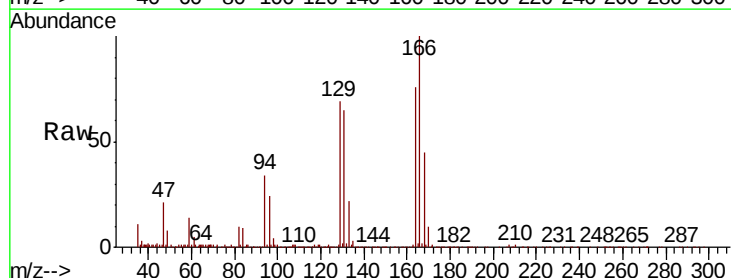
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

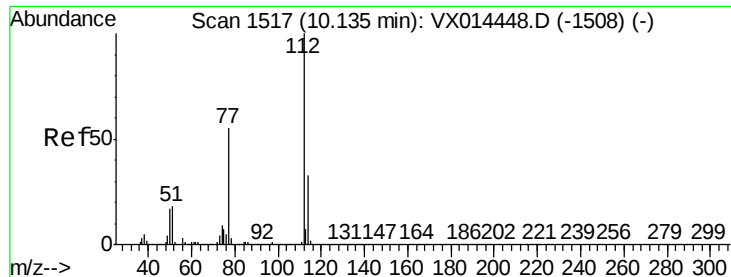
Tot Ion:117 Resp: 732576
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 32.9 26.2 39.4



#64
Tetrachloroethene
Concen: 5.604 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion:164 Resp: 37457
Ion Ratio Lower Upper
164 100
166 132.0 101.2 151.8
129 90.1 68.3 102.5
131 86.2 67.4 101.2





#65

Chlorobenzene

Concen: 5.084 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

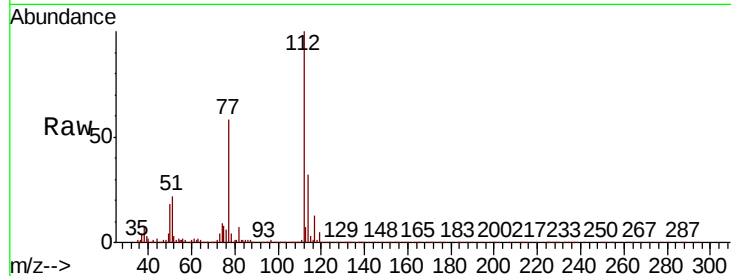
VSTDIC005

Tot Ion:112 Resp: 79722

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

60000

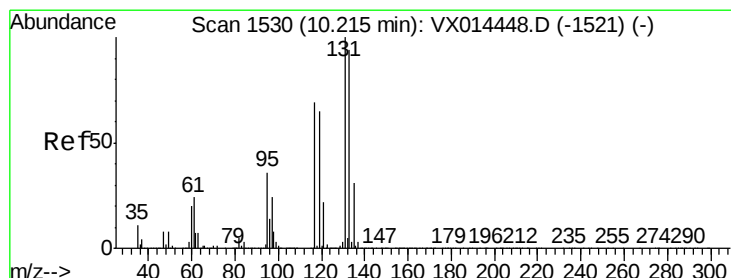
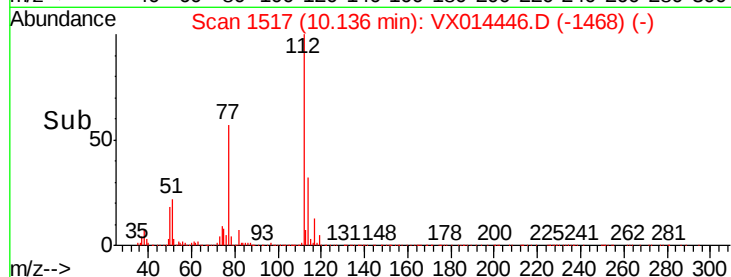
40000

20000

0

Time-->

10.10 10.15 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 4.957 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

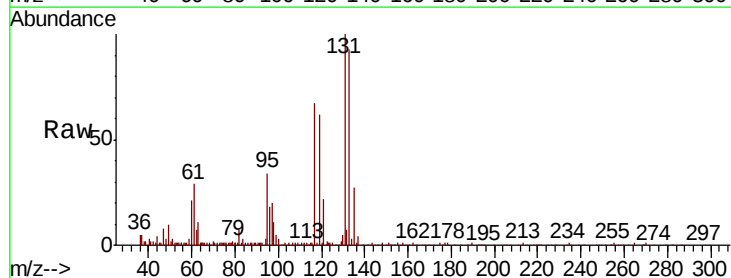
Tgt Ion:131 Resp: 27766

Ion Ratio Lower Upper

131 100

133 93.5 47.3 142.0

119 61.5 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

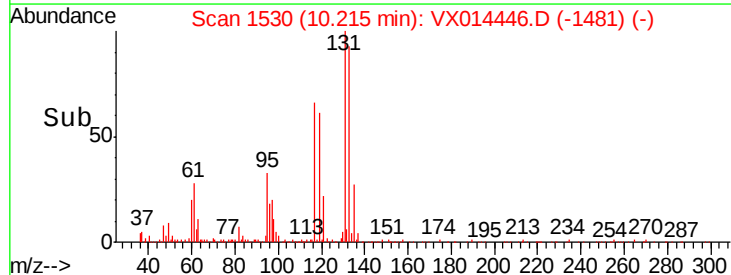
100000

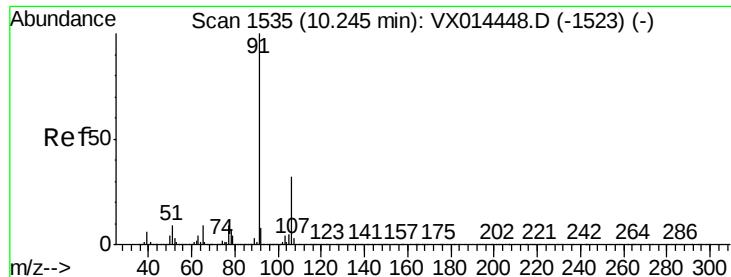
50000

0

Time-->

10.10 10.20 10.30

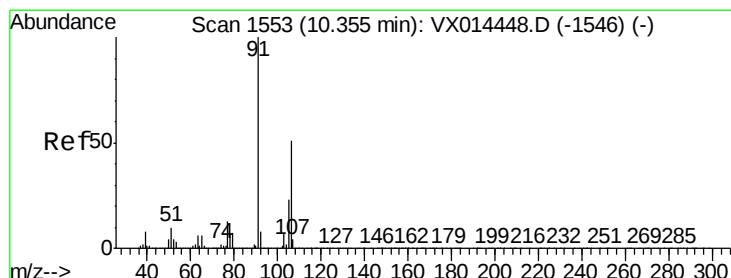
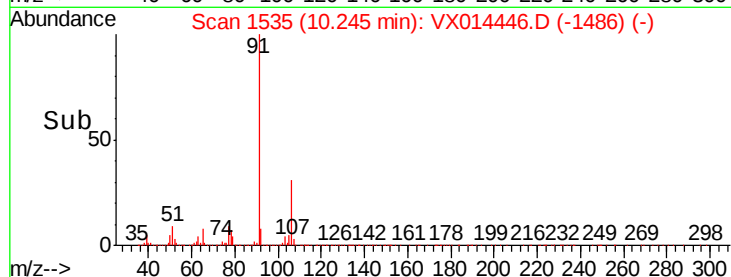
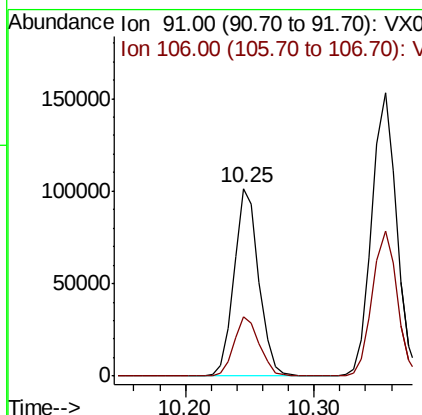
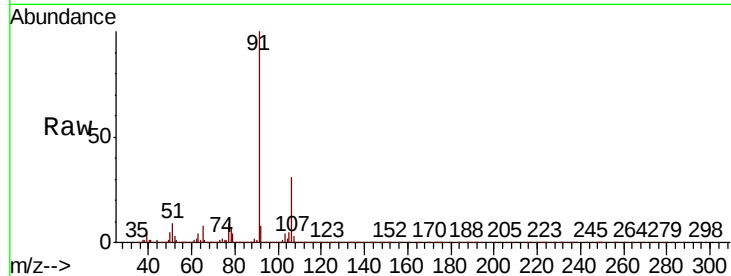




#67
Ethyl Benzene
Concen: 5.059 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

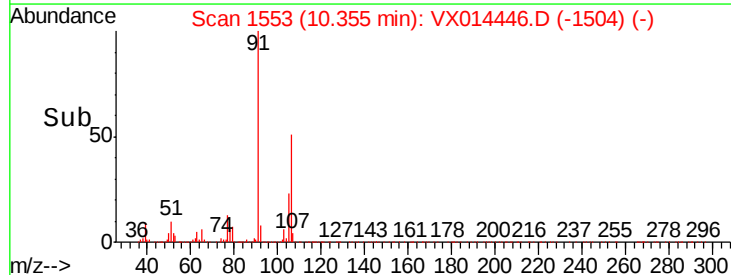
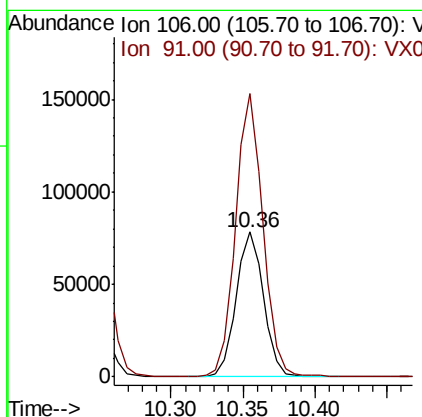
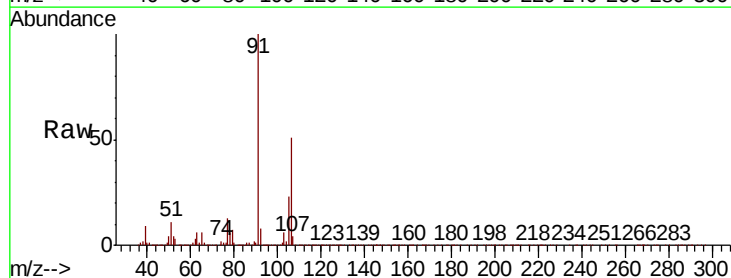
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

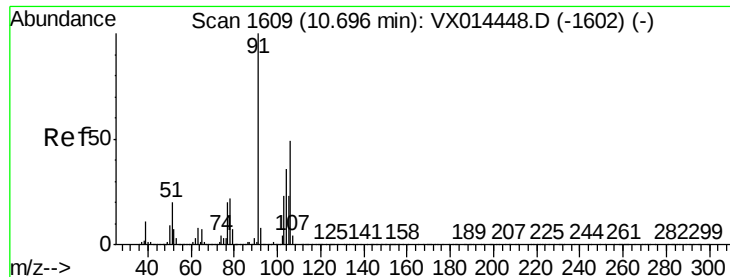
Tot Ion: 91 Resp: 136134
Ion Ratio Lower Upper
91 100
106 31.4 25.6 38.4



#68
m/p-Xylenes
Concen: 10.008 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 106 Resp: 103771
Ion Ratio Lower Upper
106 100
91 194.2 157.4 236.0

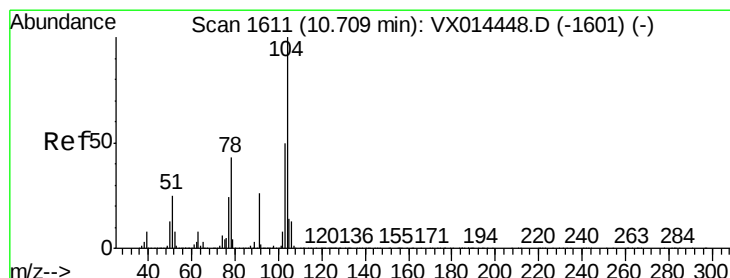
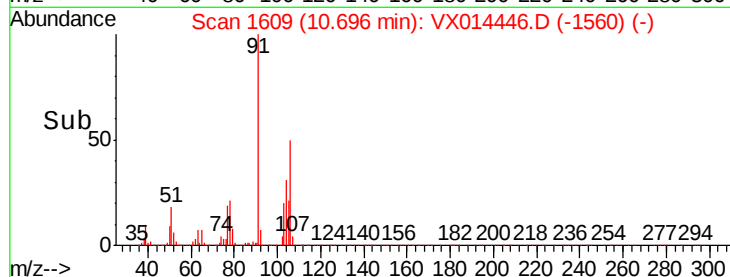
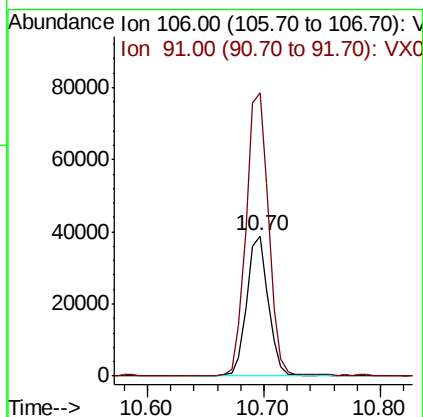
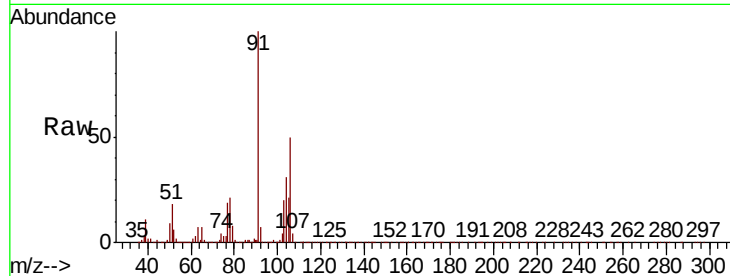




#69
o-Xylene
Concen: 5.033 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

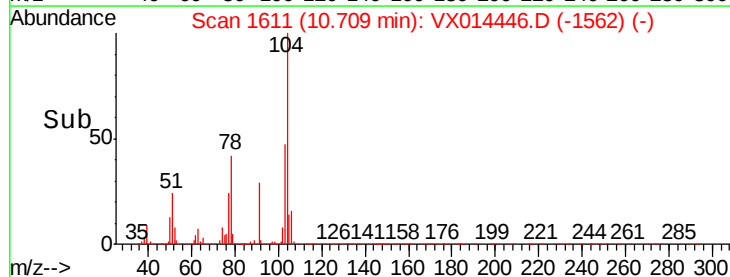
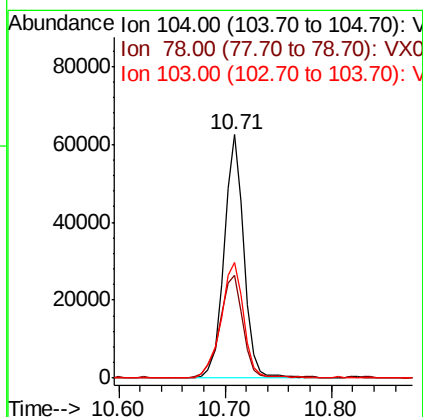
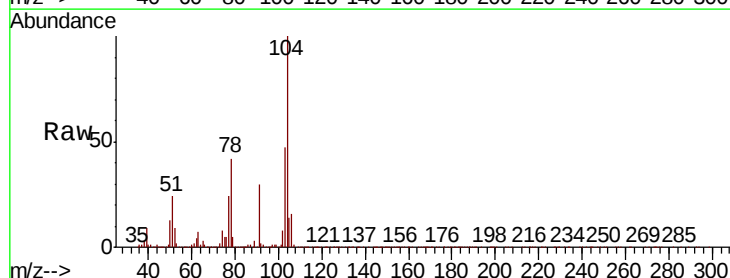
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

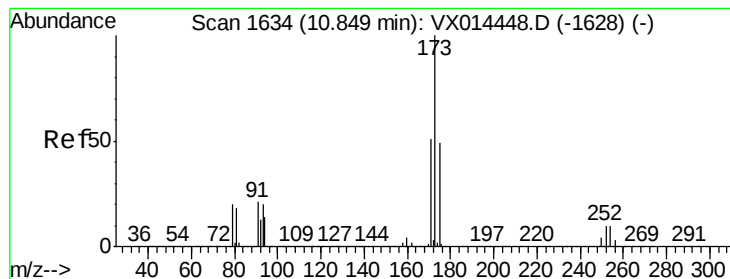
Tot Ion:106 Resp: 50958
Ion Ratio Lower Upper
106 100
91 207.1 105.1 315.1



#70
Styrene
Concen: 4.713 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion:104 Resp: 80757
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 54.1 43.7 65.5





#71

Bromoform

Concen: 4.480 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

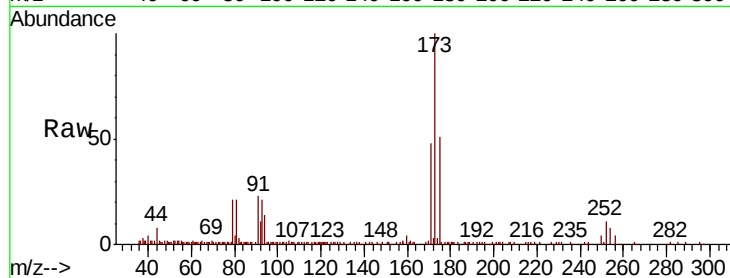
Tot Ion:173 Resp: 20244

Ion Ratio Lower Upper

173 100

175 52.4 24.3 72.8

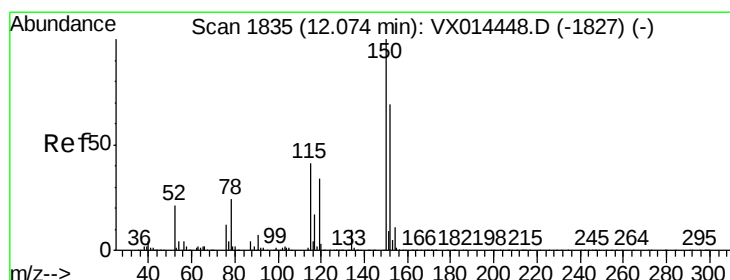
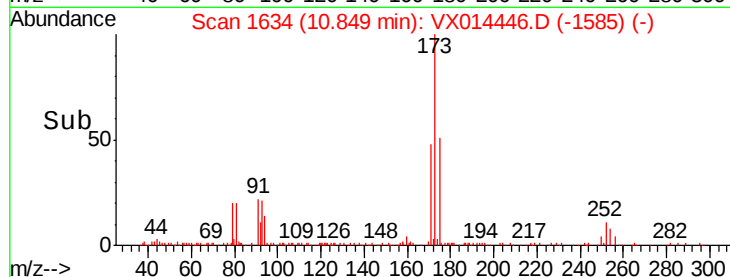
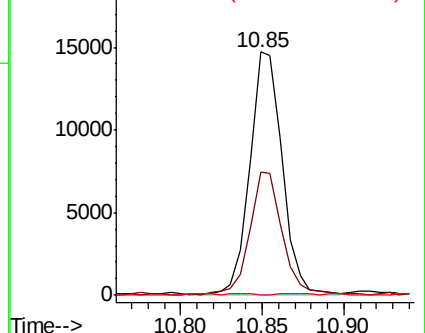
254 0.6 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

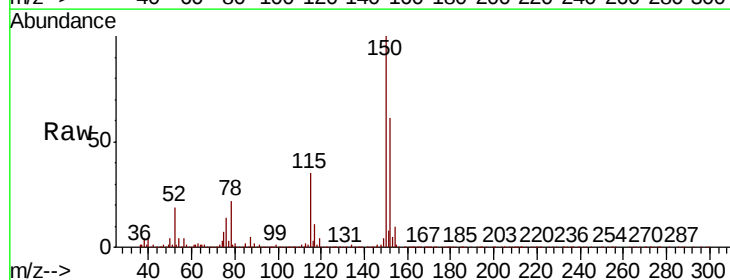
Tgt Ion:152 Resp: 369222

Ion Ratio Lower Upper

152 100

115 58.2 39.5 118.3

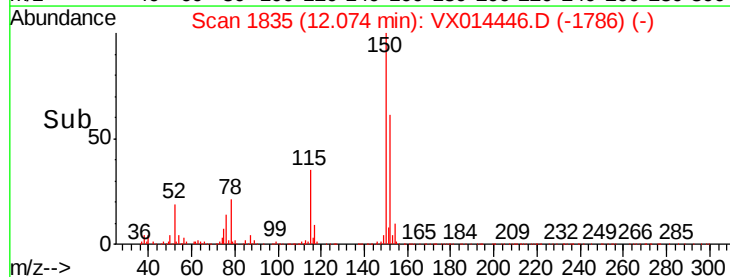
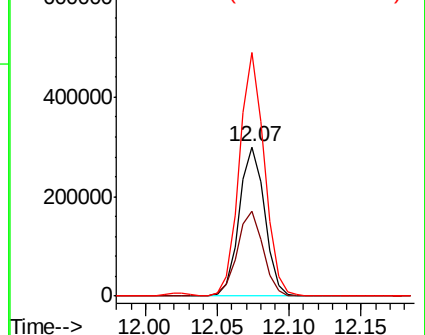
150 160.8 0.0 350.2

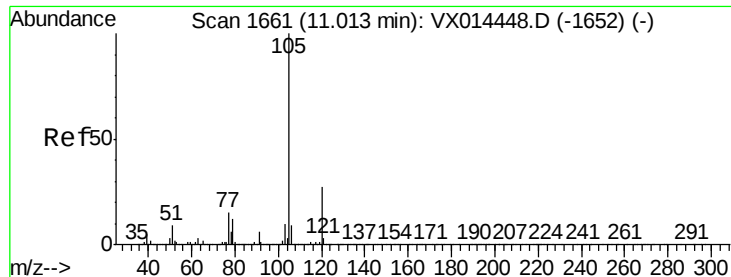


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.011 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

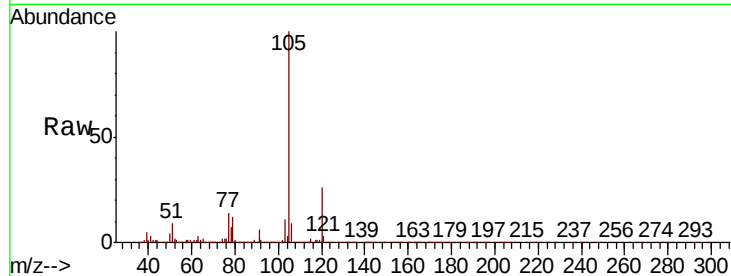
VSTDIC005

Tot Ion:105 Resp: 130773

Ion Ratio Lower Upper

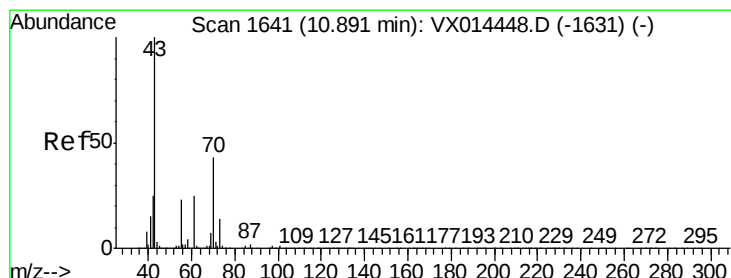
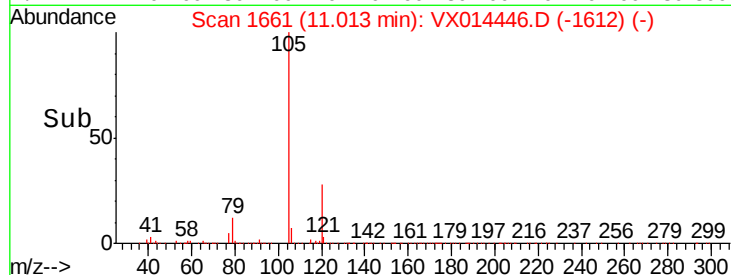
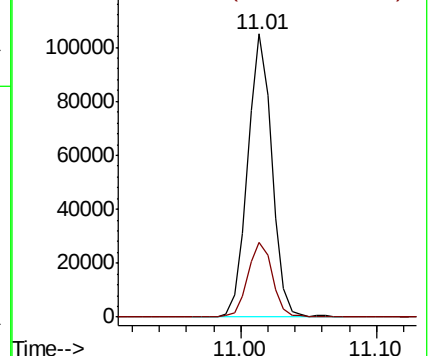
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.733 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Tgt Ion: 43 Resp: 57343

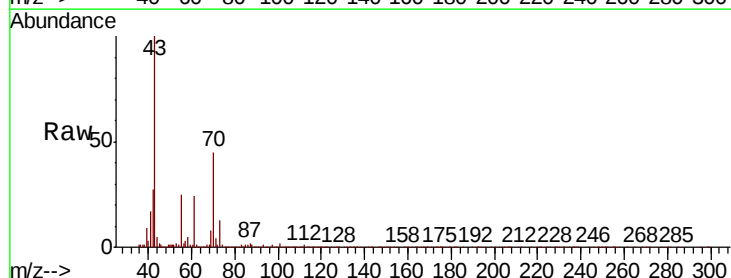
Ion Ratio Lower Upper

43 100

70 41.9 35.1 52.7

55 24.0 19.3 28.9

61 22.2 20.0 30.0

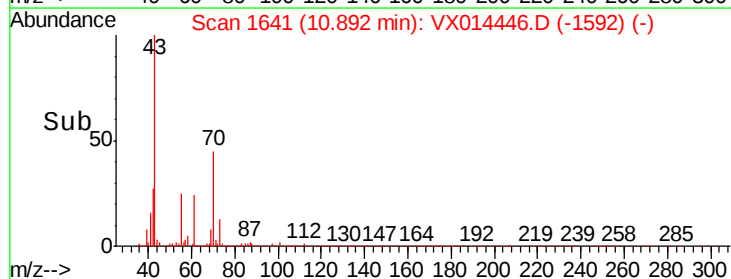
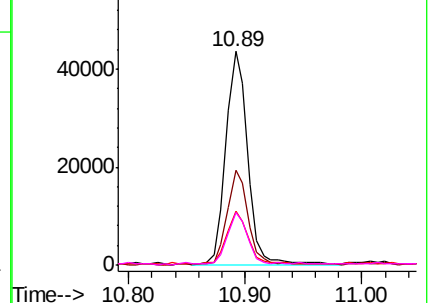


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.592 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

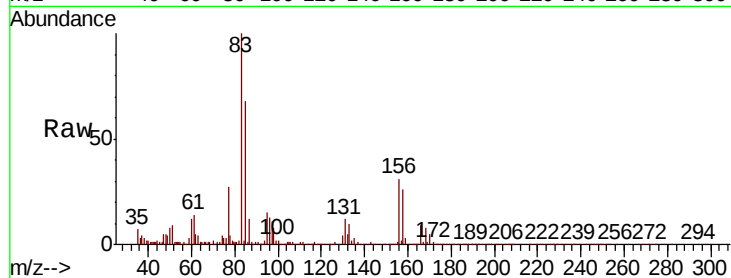
Tot Ion: 83 Resp: 40893

Ion Ratio Lower Upper

83 100

131 13.0 5.1 15.4

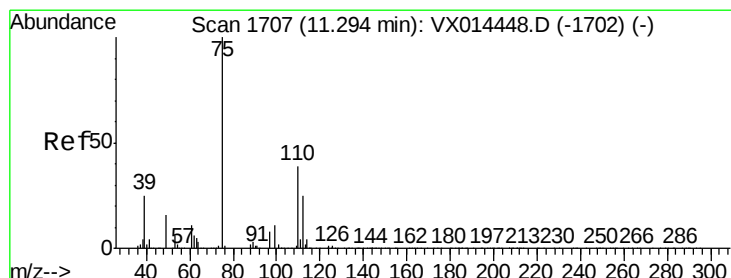
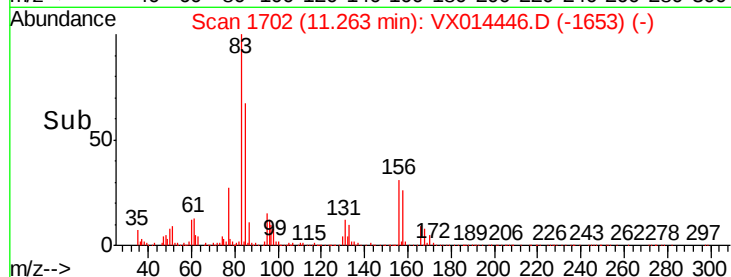
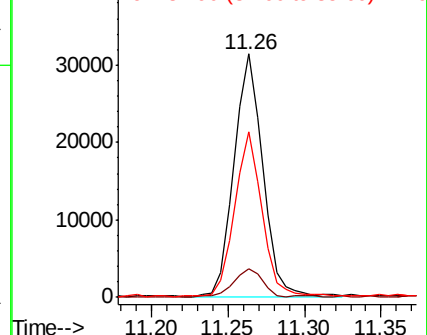
85 64.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 6.215 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014446.D

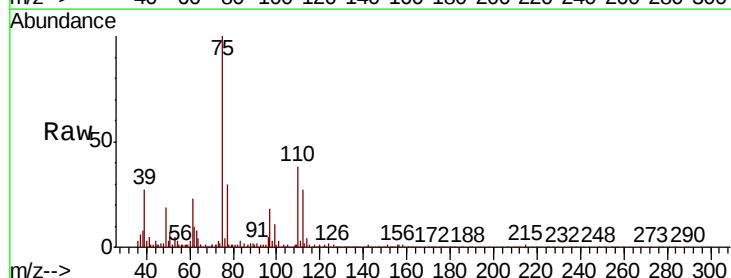
Acq: 07 Jan 2020 13:58

Tgt Ion: 75 Resp: 48692

Ion Ratio Lower Upper

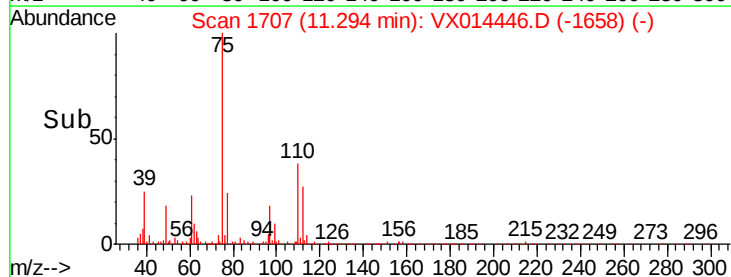
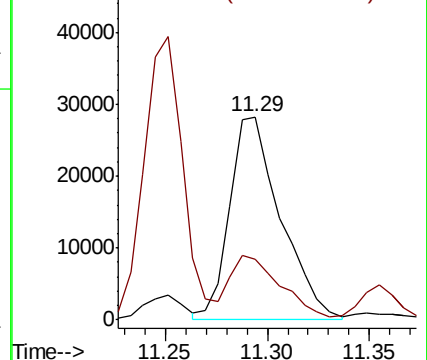
75 100

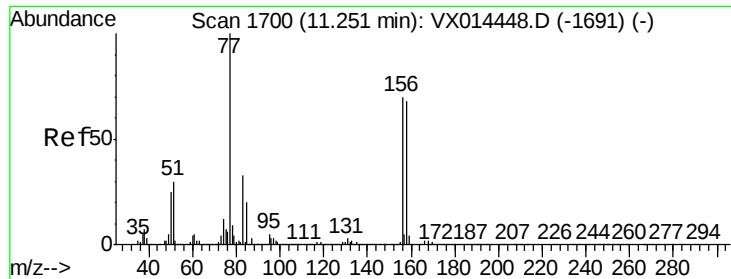
77 30.3 21.9 65.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.149 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

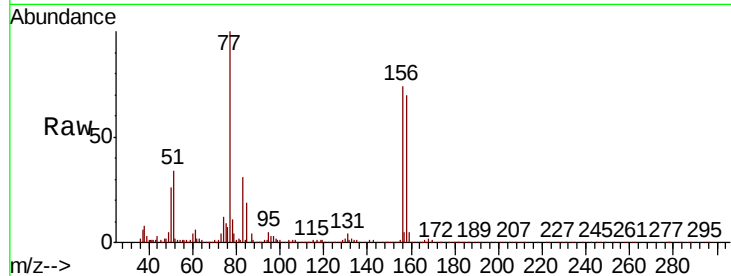
Tot Ion:156 Resp: 37023

Ion Ratio Lower Upper

156 100

77 141.3 75.4 226.3

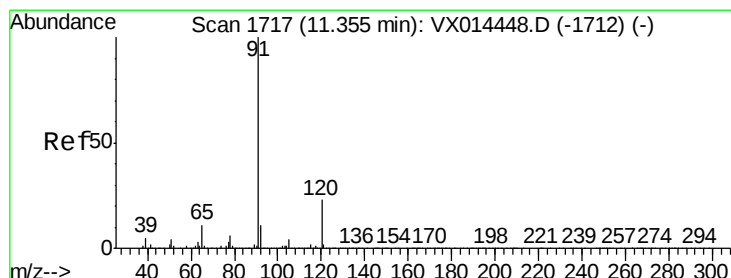
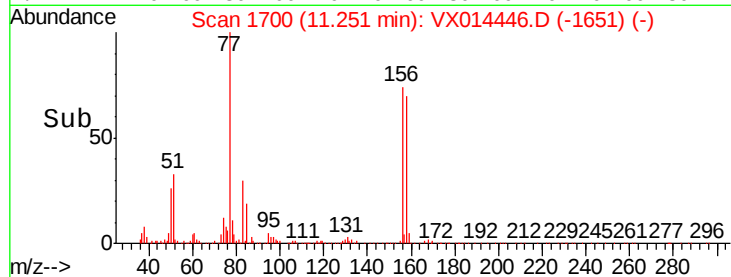
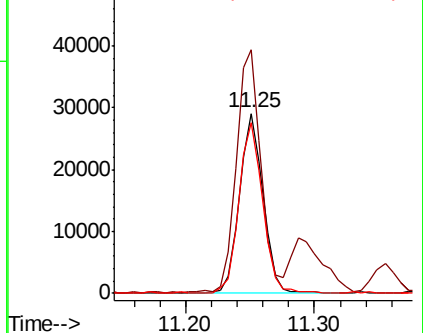
158 95.5 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.022 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014446.D

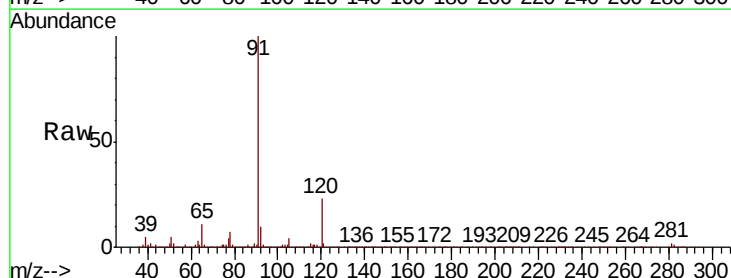
Acq: 07 Jan 2020 13:58

Tgt Ion: 91 Resp: 146993

Ion Ratio Lower Upper

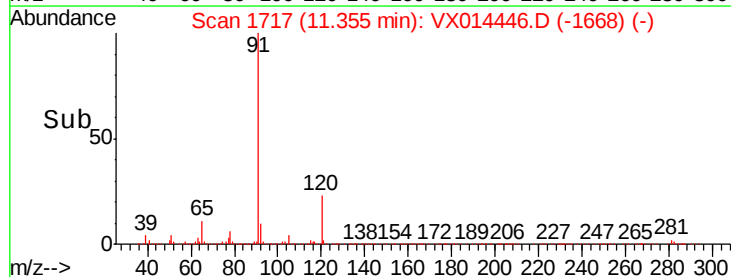
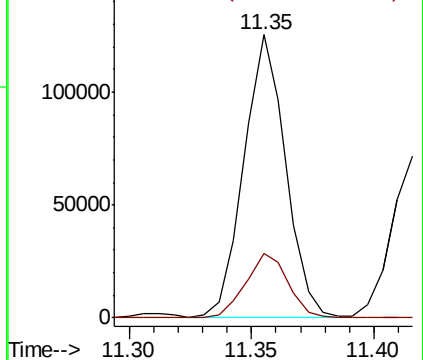
91 100

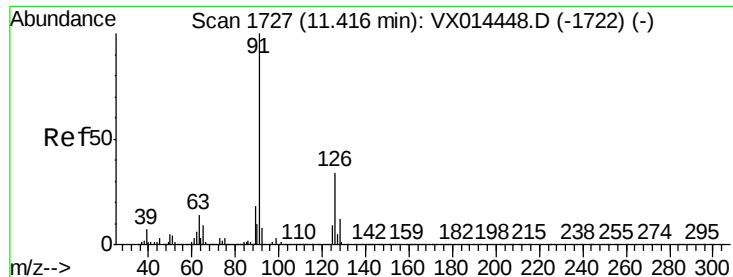
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

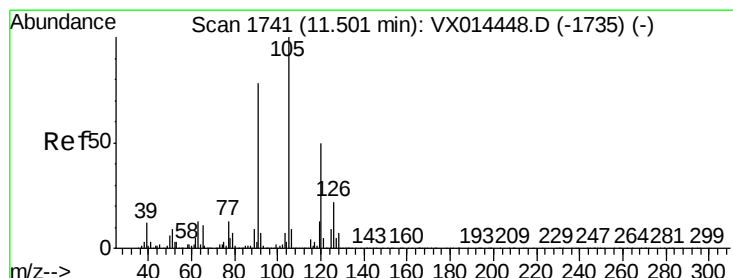
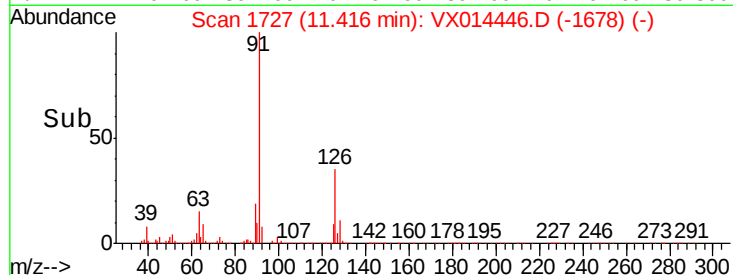
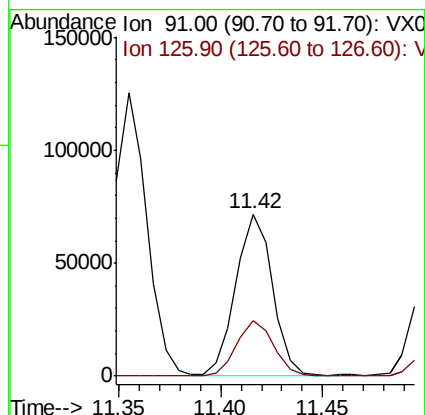
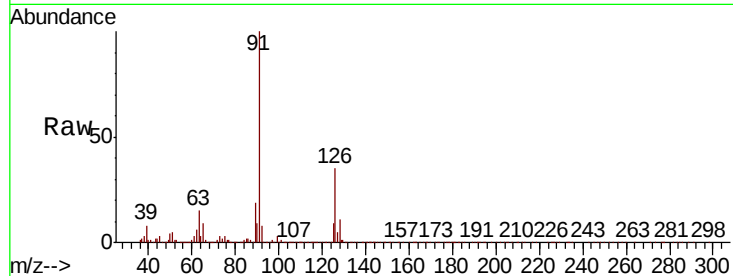




#79
2-Chlorotoluene
Concen: 4.995 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

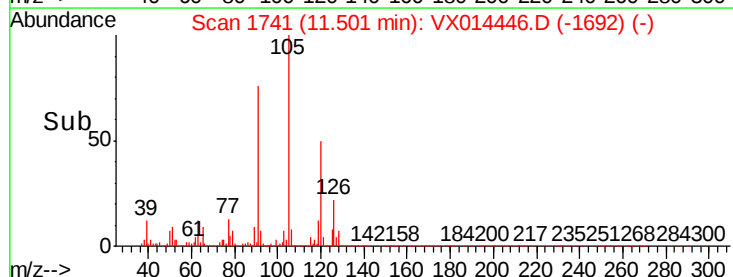
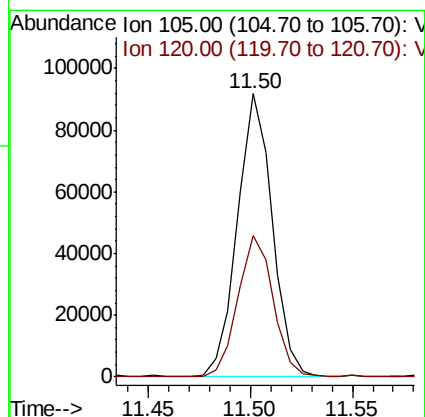
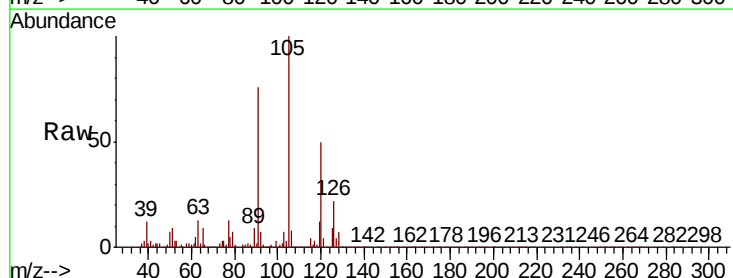
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

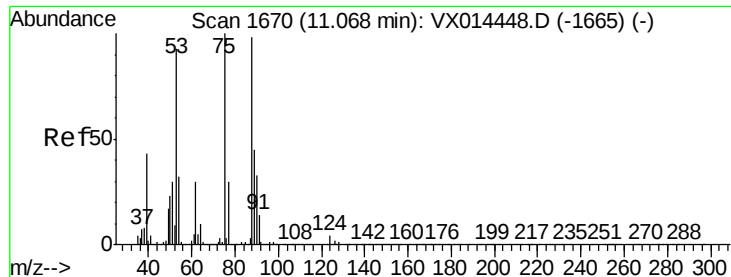
Tot Ion: 91 Resp: 88577
Ion Ratio Lower Upper
91 100
126 34.9 17.5 52.5



#80
1,3,5-Trimethylbenzene
Concen: 4.937 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014446.D
Acq: 07 Jan 2020 13:58

Tgt Ion: 105 Resp: 108318
Ion Ratio Lower Upper
105 100
120 50.1 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4.263 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

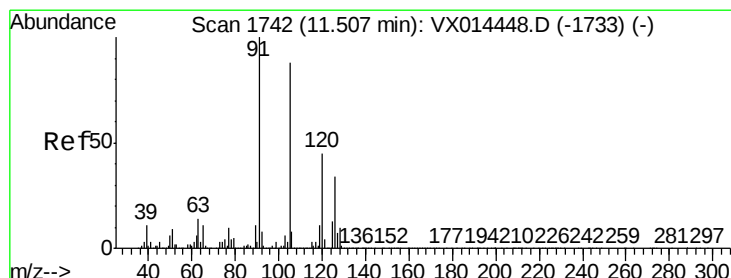
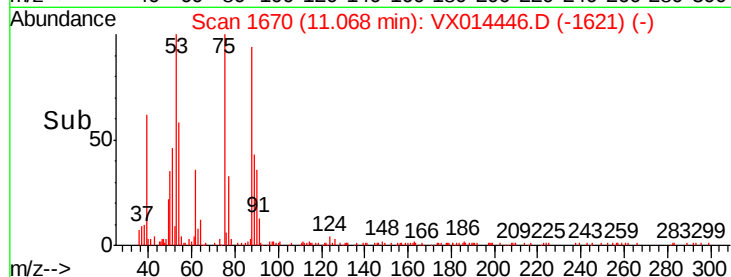
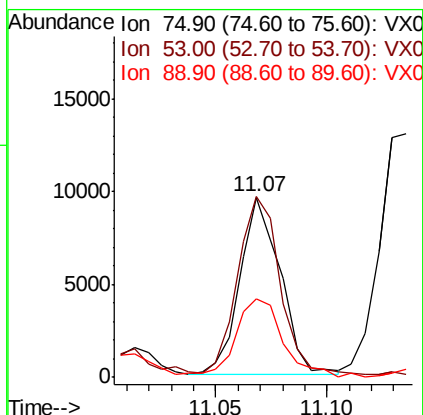
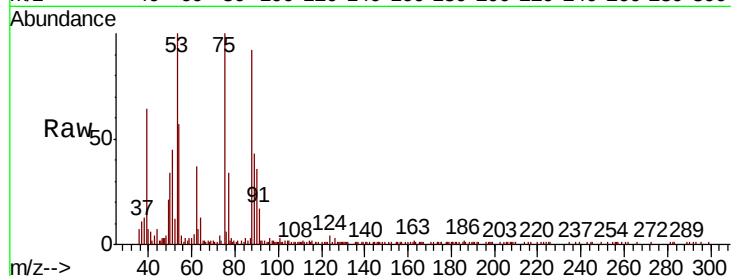
Tot Ion: 75 Resp: 12188

Ion Ratio Lower Upper

75 100

53 105.7 74.8 112.2

89 51.0 36.3 54.5



#82

4-Chlorotoluene

Concen: 4.947 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014446.D

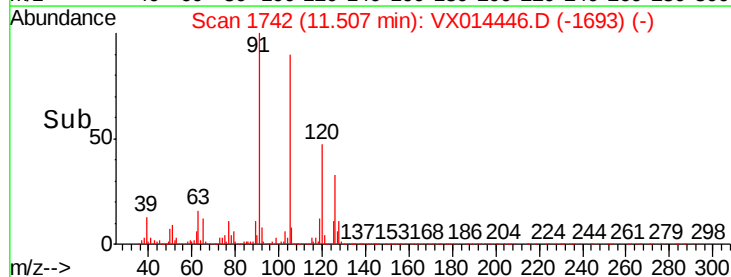
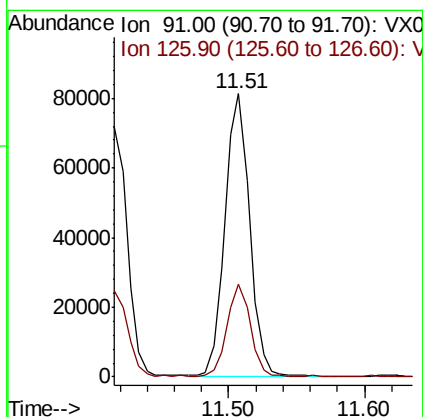
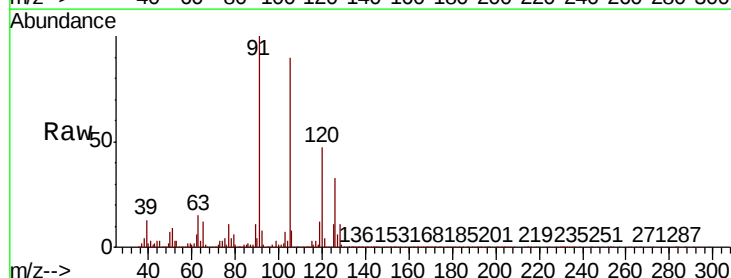
Acq: 07 Jan 2020 13:58

Tgt Ion: 91 Resp: 102064

Ion Ratio Lower Upper

91 100

126 31.3 15.9 47.7





#83

tert-Butylbenzene

Concen: 4.808 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

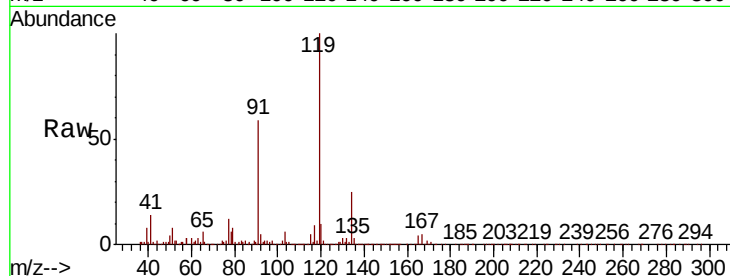
Tot Ion:119 Resp: 101939

Ion Ratio Lower Upper

119 100

91 58.2 29.3 88.0

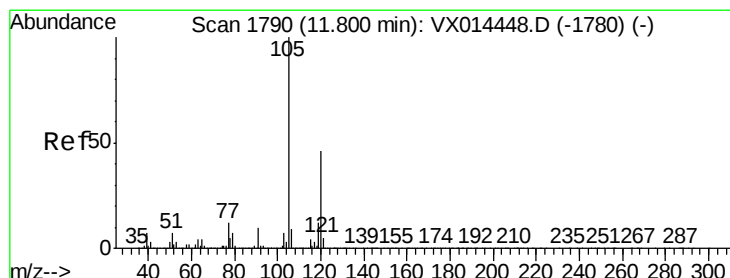
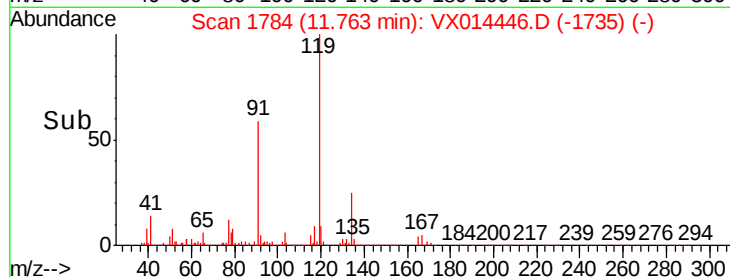
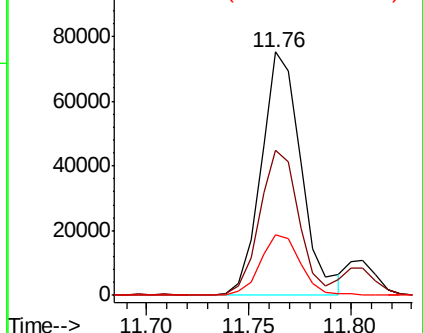
134 24.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.902 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX014446.D

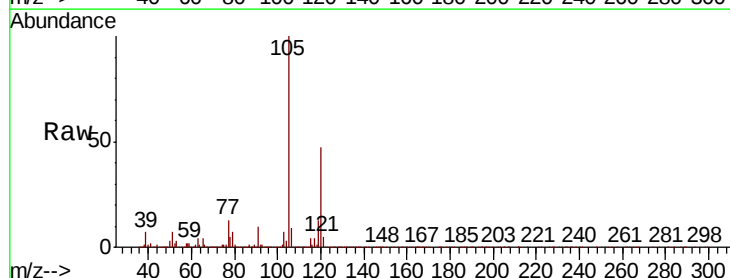
Acq: 07 Jan 2020 13:58

Tgt Ion:105 Resp: 107577

Ion Ratio Lower Upper

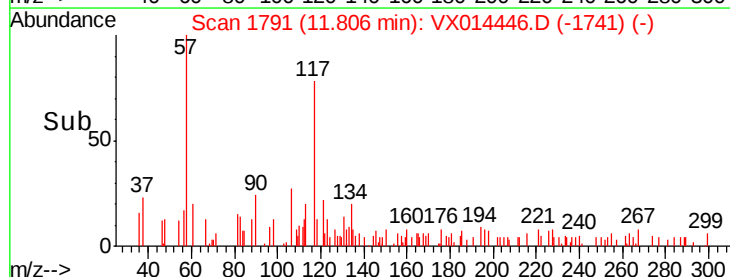
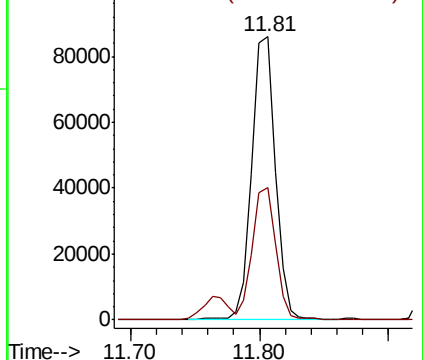
105 100

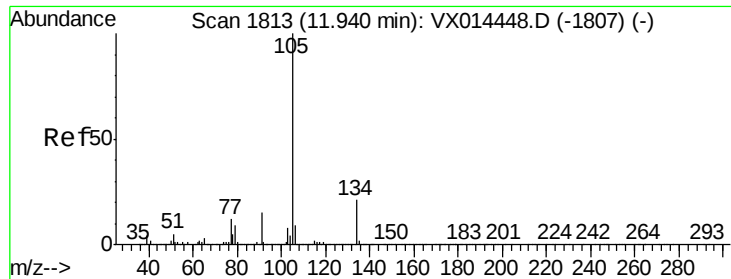
120 46.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.987 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampleId :

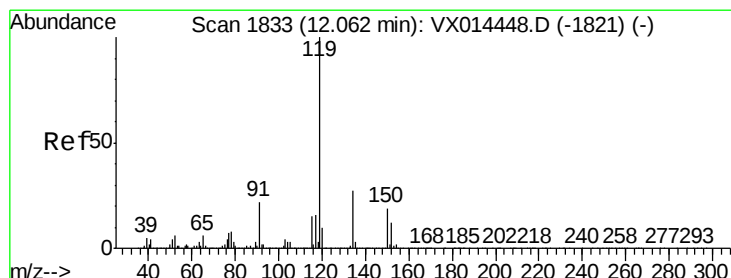
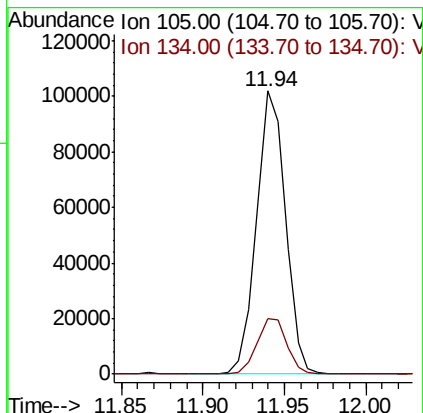
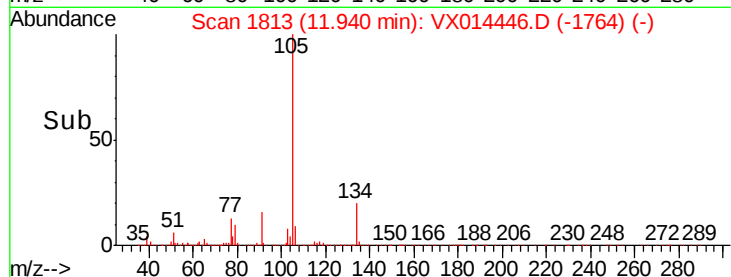
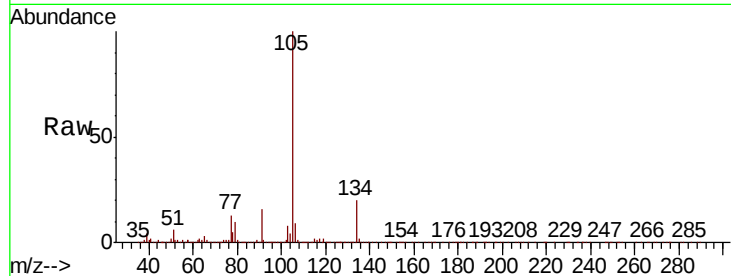
VSTDIC005

Tot Ion:105 Resp: 125973

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.5



#86

p-Isopropyltoluene

Concen: 5.055 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

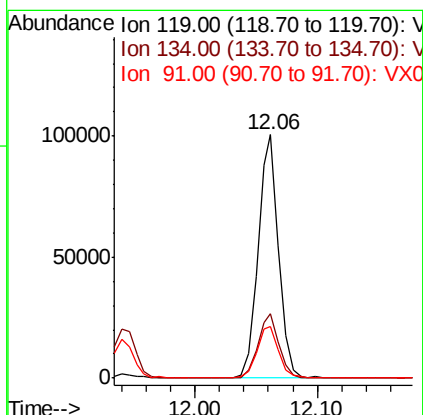
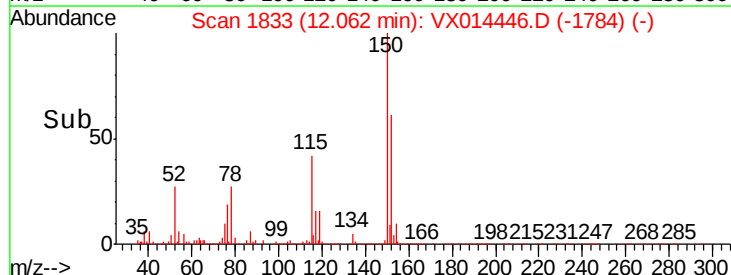
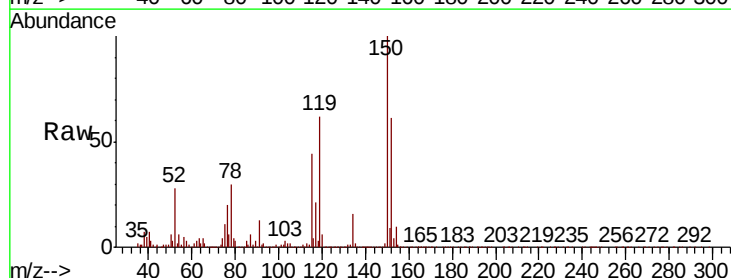
Tgt Ion:119 Resp: 117015

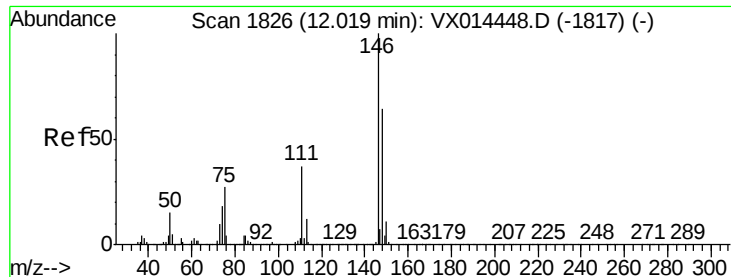
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.5 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 5.204 ug/l

RT: 12.02 min Scan# 1826

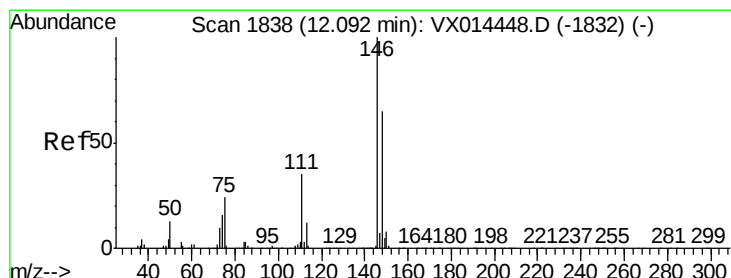
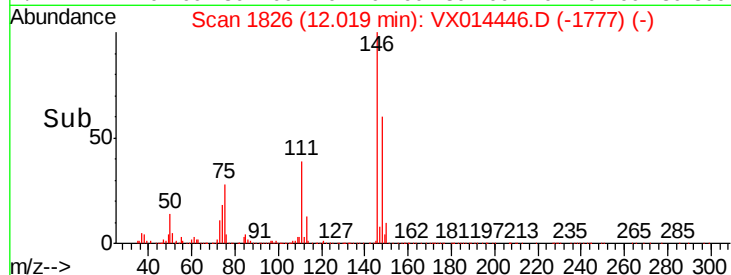
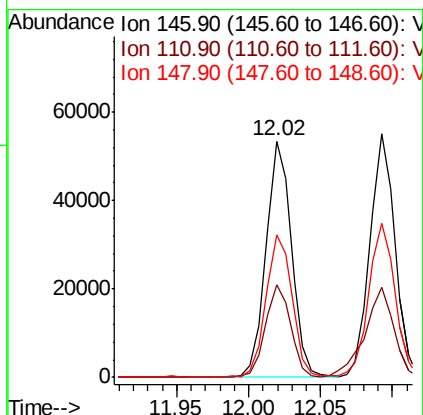
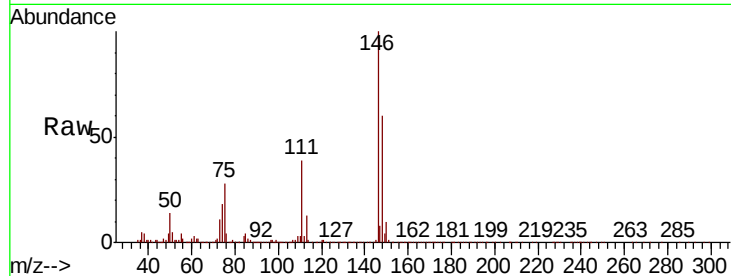
Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	61.6	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 5.095 ug/l

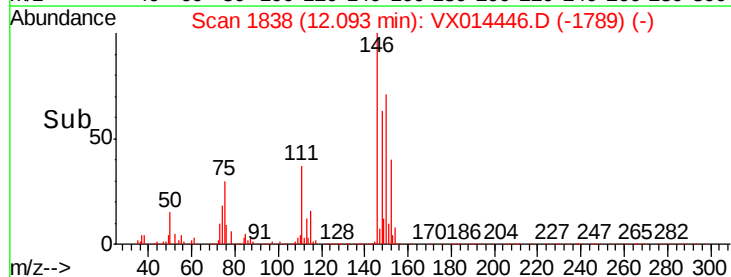
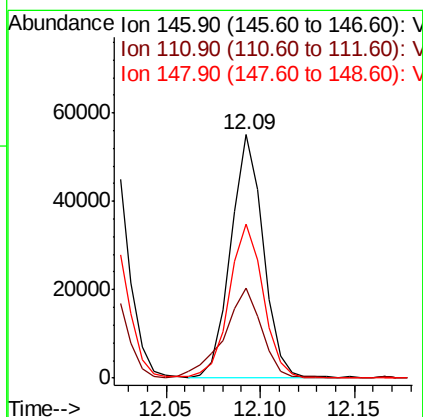
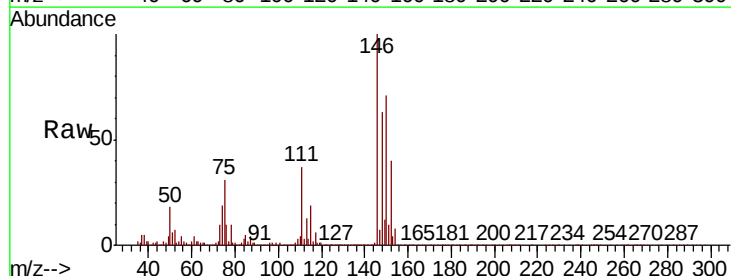
RT: 12.09 min Scan# 1838

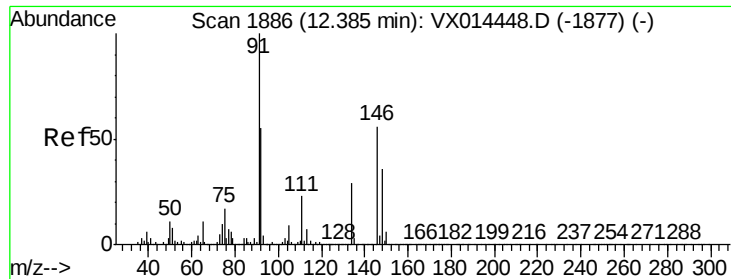
Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.1	54.1
148	66.3	32.1	96.3





#89

n-Butylbenzene

Concen: 5.067 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

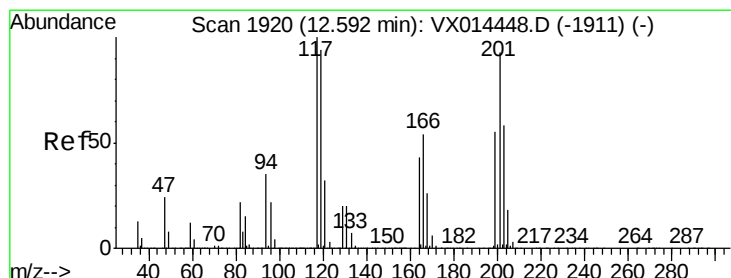
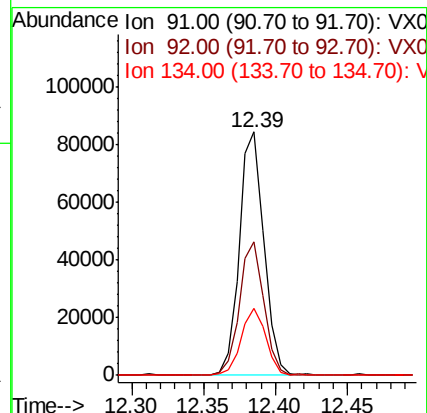
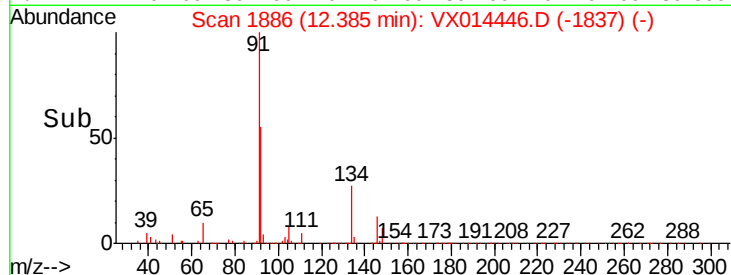
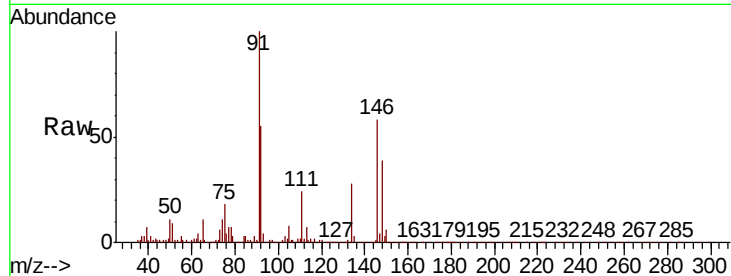
Tot Ion: 91 Resp: 100526

Ion Ratio Lower Upper

91 100

92 54.8 27.4 82.2

134 27.9 13.9 41.7



#90

Hexachloroethane

Concen: 4.392 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX014446.D

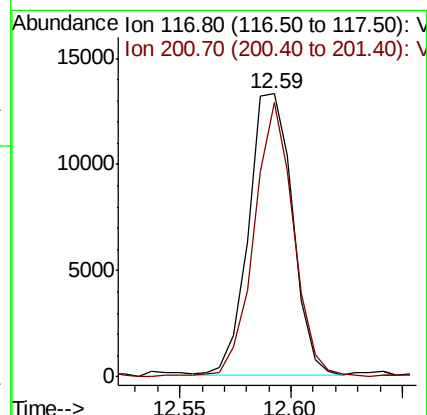
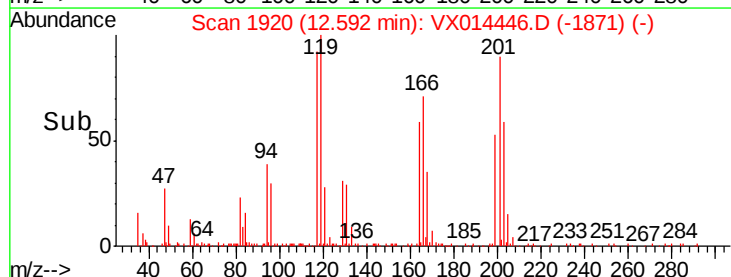
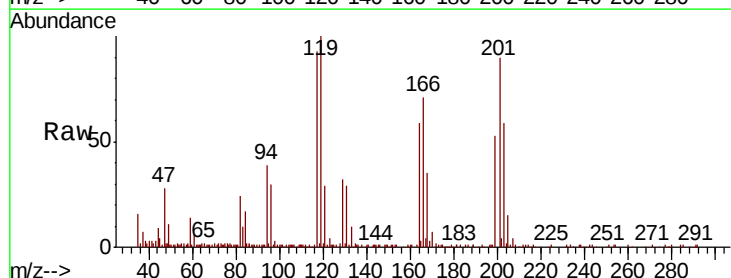
Acq: 07 Jan 2020 13:58

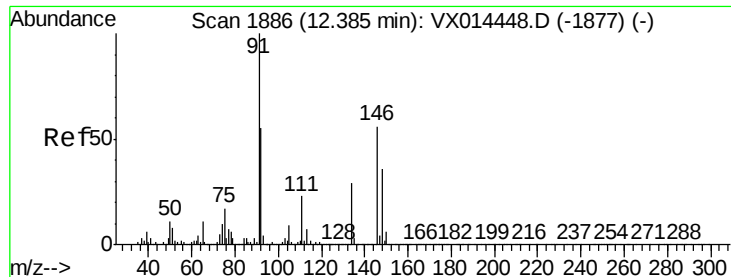
Tgt Ion: 117 Resp: 18183

Ion Ratio Lower Upper

117 100

201 88.2 44.8 134.3

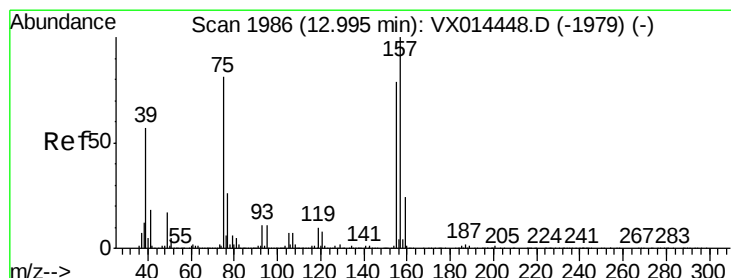
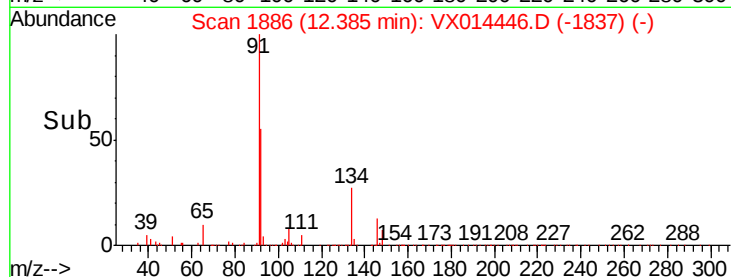
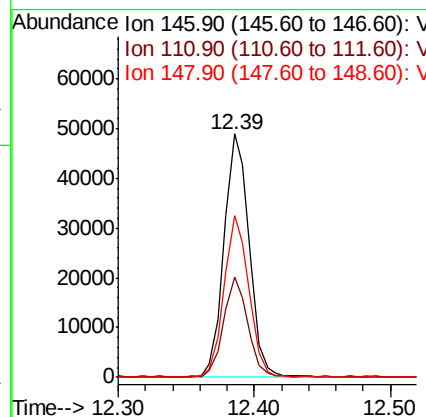
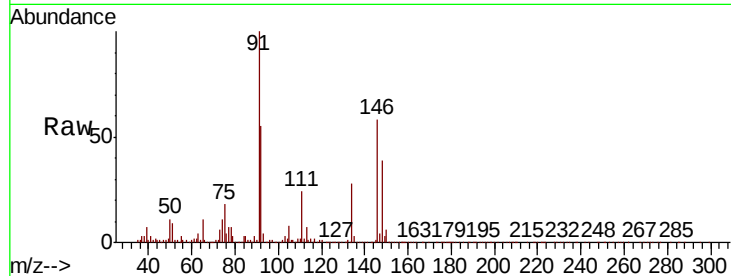




#91
 1,2-Dichlorobenzene
 Concen: 4.973 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

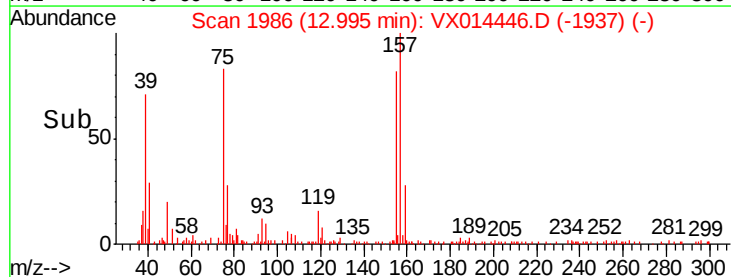
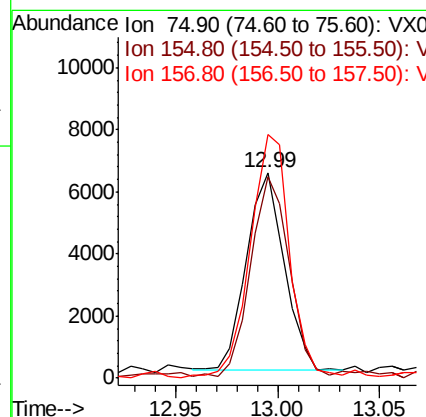
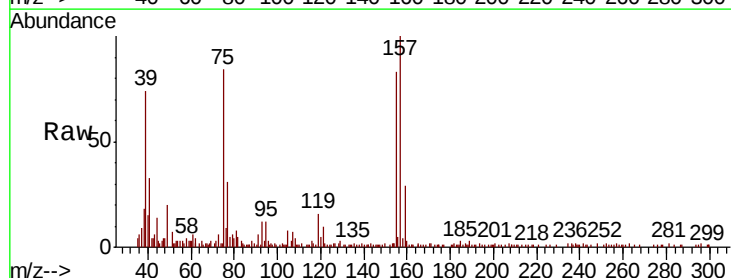
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

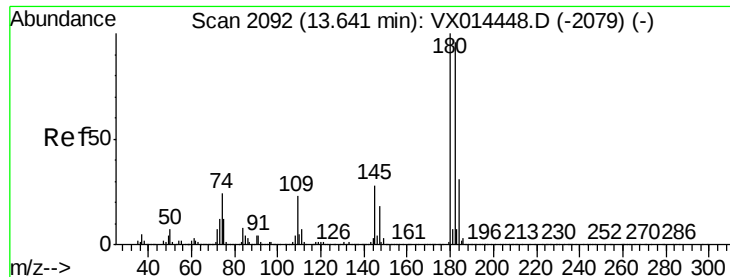
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	64.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.083 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	48.7	146.1
157	130.1	62.0	185.9

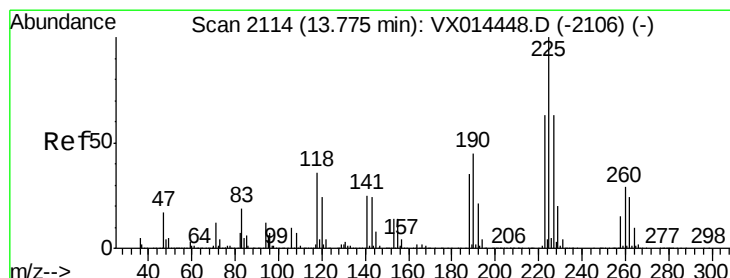
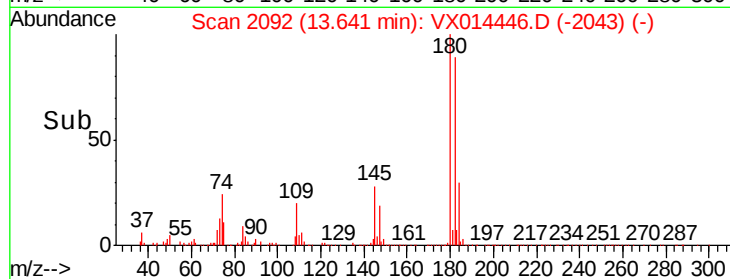
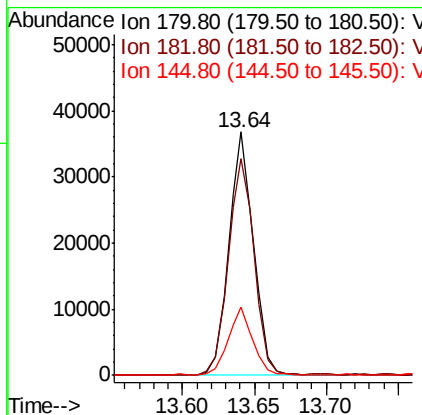
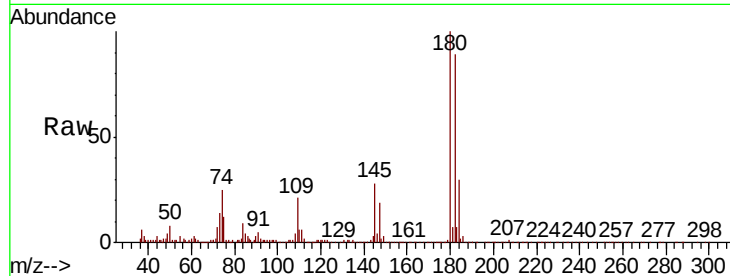




#93
 1,2,4-Trichlorobenzene
 Concen: 5.242 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

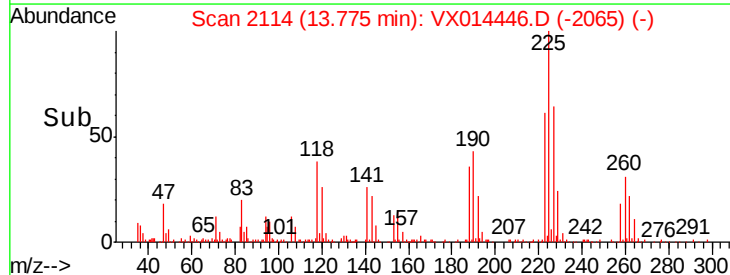
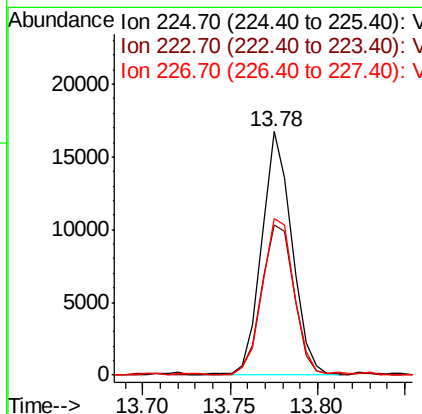
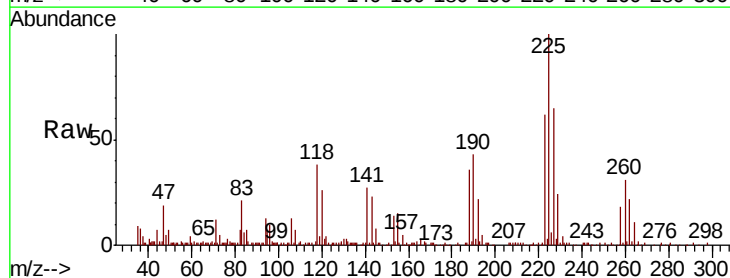
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

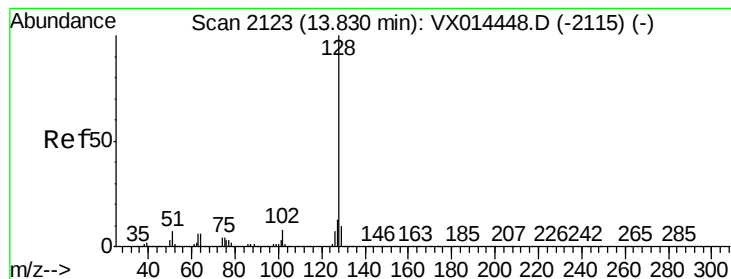
Tot Ion:180 Resp: 43939
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.5 142.5
 145 28.6 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 5.025 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014446.D
 Acq: 07 Jan 2020 13:58

Tgt Ion:225 Resp: 20222
 Ion Ratio Lower Upper
 225 100
 223 66.6 31.1 93.2
 227 68.4 31.4 94.2





#95

Naphthalene

Concen: 5.202 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

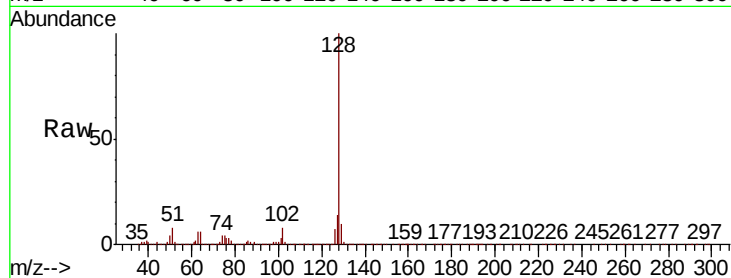
Tot Ion:128 Resp: 127606

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

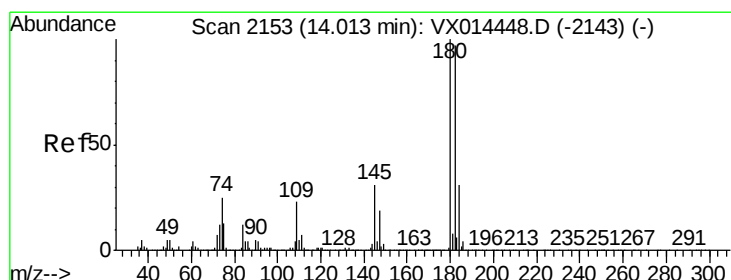
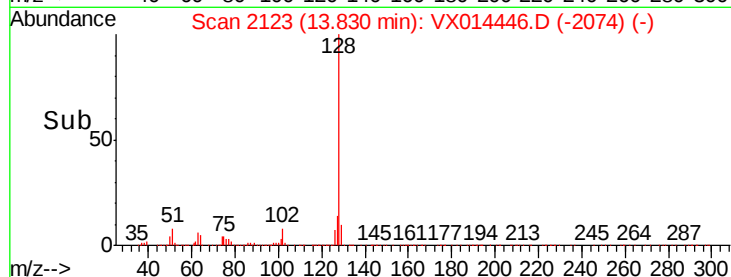
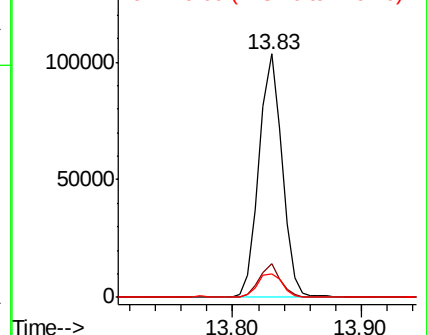
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.488 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014446.D

Acq: 07 Jan 2020 13:58

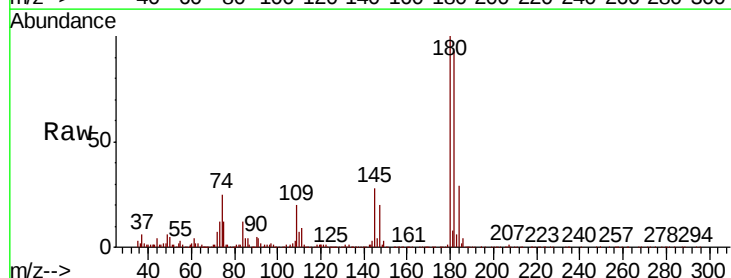
Tgt Ion:180 Resp: 45208

Ion Ratio Lower Upper

180 100

182 94.2 47.9 143.6

145 28.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

