

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016374.D
 Acq On : 20 May 2020 20:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 21 03:55:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	250579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	412573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	384026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	146277	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	
35) Dibromofluoromethane	5.46	113	122222	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.70	98	464301	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
62) 4-Bromofluorobenzene	11.12	95	181012	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	125243	47.220	ug/l	99
3) Chloromethane	1.31	50	124682	40.478	ug/l	99
4) Vinyl Chloride	1.39	62	152672	46.458	ug/l	100
5) Bromomethane	1.62	94	46714	28.196	ug/l	96
6) Chloroethane	1.70	64	93502	46.762	ug/l	99
7) Trichlorofluoromethane	1.91	101	203983	47.280	ug/l	96
8) Diethyl Ether	2.17	74	87358	48.056	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	112416	45.163	ug/l	98
10) Methyl Iodide	2.49	142	64362	19.250	ug/l	99
11) Tert butyl alcohol	3.02	59	190306	228.234	ug/l	100
12) 1,1-Dichloroethene	2.36	96	121604	46.685	ug/l	94
13) Acrolein	2.27	56	115396	221.160	ug/l	99
14) Allyl chloride	2.70	41	210539	44.083	ug/l	93
15) Acrylonitrile	3.12	53	423442	244.798	ug/l	98
16) Acetone	2.42	43	321772	218.706	ug/l	92
17) Carbon Disulfide	2.55	76	318288	40.651	ug/l	99
18) Methyl Acetate	2.75	43	184611	51.033	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	456708	50.861	ug/l	99
20) Methylene Chloride	2.83	84	141488	46.650	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	136224	46.930	ug/l	96
22) Diisopropyl ether	3.82	45	429090	47.622	ug/l	96
23) Vinyl Acetate	3.79	43	1855345	234.051	ug/l	97
24) 1,1-Dichloroethane	3.67	63	247023	49.009	ug/l	98
25) 2-Butanone	4.64	43	564767	238.220	ug/l	97
26) 2,2-Dichloropropane	4.55	77	198129	43.043	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	161575	50.916	ug/l	94
28) Bromochloromethane	4.98	49	101341	44.094	ug/l	93
29) Tetrahydrofuran	5.09	42	369370	235.135	ug/l	95
30) Chloroform	5.18	83	253808	50.575	ug/l	99
31) Cyclohexane	5.55	56	181793	39.687	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	224887	49.299	ug/l	98
36) 1,1-Dichloropropene	5.77	75	184726	45.485	ug/l	100
37) Ethyl Acetate	4.79	43	211768	44.990	ug/l	98
38) Carbon Tetrachloride	5.76	117	196836	47.684	ug/l	96

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Quant Time: May 21 03:55:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	146291	29.911	ug/l	99
40) Benzene	6.12	78	575526	48.433	ug/l	100
41) Methacrylonitrile	5.01	41	114692	45.118	ug/l	95
42) 1,2-Dichloroethane	6.17	62	196660	45.942	ug/l	98
43) Isopropyl Acetate	6.42	43	341684	45.496	ug/l	97
44) Trichloroethene	7.19	130	170391	40.362	ug/l	98
45) 1,2-Dichloropropane	7.49	63	149936	49.866	ug/l	100
46) Dibromomethane	7.64	93	99008	48.454	ug/l	99
47) Bromodichloromethane	7.88	83	208059	49.996	ug/l	99
48) Methyl methacrylate	7.74	41	162479	45.657	ug/l	92
49) 1,4-Dioxane	7.71	88	76178	892.538	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1072251	233.309	ug/l	95
52) Toluene	8.77	92	369271	49.856	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	237173	47.800	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	252707	48.760	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	150790	51.745	ug/l	99
56) Ethyl methacrylate	9.16	69	242804	51.044	ug/l	92
57) 1,3-Dichloropropane	9.35	76	255269	50.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	554114	218.813	ug/l	98
59) 2-Hexanone	9.48	43	839350	232.557	ug/l	95
60) Dibromochloromethane	9.57	129	170484	53.119	ug/l	99
61) 1,2-Dibromoethane	9.65	107	158583	50.240	ug/l	98
64) Tetrachloroethene	9.32	164	175725	37.274	ug/l	97
65) Chlorobenzene	10.12	112	398325	49.536	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	153496	51.646	ug/l	99
67) Ethyl Benzene	10.24	91	680562	47.435	ug/l	99
68) m/p-Xylenes	10.34	106	515200	95.844	ug/l	98
69) o-Xylene	10.68	106	251539	48.682	ug/l	98
70) Styrene	10.70	104	449523	51.281	ug/l	99
71) Bromoform	10.84	173	129762	53.589	ug/l #	99
73) Isopropylbenzene	11.00	105	615311	45.454	ug/l	99
74) N-amyl acetate	10.88	43	293354	46.459	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	197085	70.526	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	283550	67.137	ug/l	84
77) Bromobenzene	11.24	156	170114	48.686	ug/l	100
78) n-propylbenzene	11.35	91	677246	43.004	ug/l	99
79) 2-Chlorotoluene	11.40	91	440962	47.437	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	491032	42.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	85731	48.374	ug/l	95
82) 4-Chlorotoluene	11.49	91	516860	47.085	ug/l	99
83) tert-Butylbenzene	11.76	119	422392	42.882	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	514553	44.529	ug/l	99
85) sec-Butylbenzene	11.93	105	466923	35.108	ug/l	100
86) p-Isopropyltoluene	12.05	119	443911	35.950	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	289999	46.223	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	298676	46.904	ug/l	99
89) n-Butylbenzene	12.37	91	352427	31.242	ug/l	100
90) Hexachloroethane	12.58	117	77177	36.393	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	287184	47.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	53491	48.055	ug/l	94

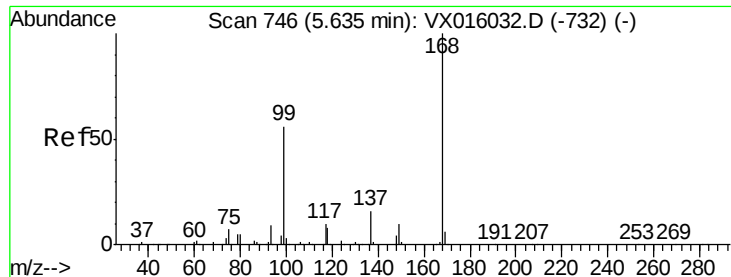
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	160431	35.870	ug/l	97
94) Hexachlorobutadiene	13.77	225	47094	24.720	ug/l	98
95) Naphthalene	13.82	128	650970	44.949	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	159830	36.565	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

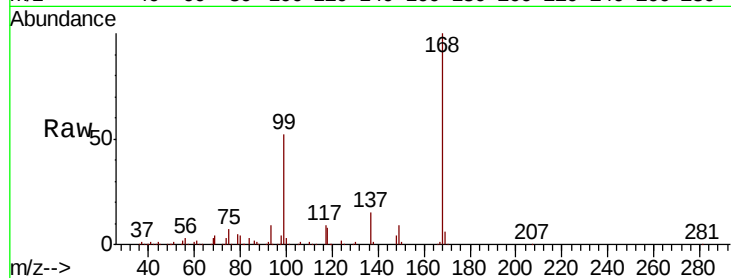
ClientSampleId :

Tot Ion:168 Resp: 250579

Ion Ratio Lower Upper

168 100

99 51.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

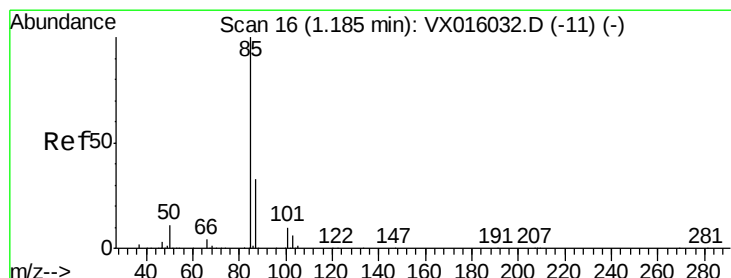
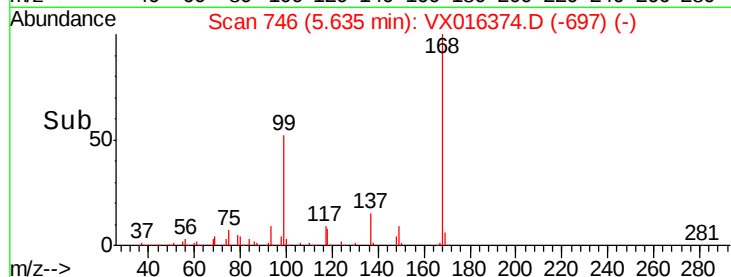
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.220 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016374.D

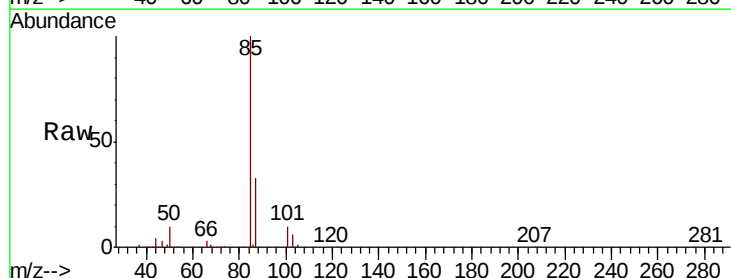
Acq: 20 May 2020 20:31

Tgt Ion: 85 Resp: 125243

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

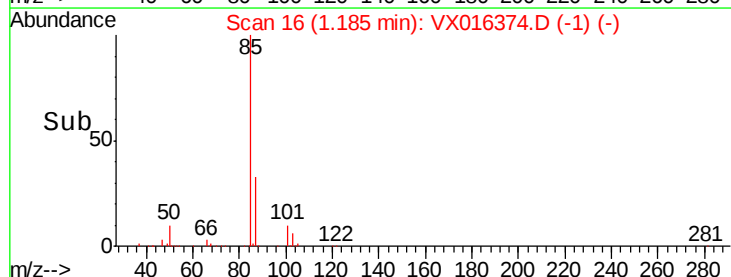
150000

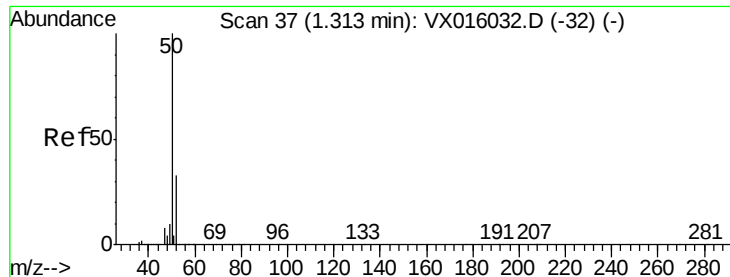
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.478 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

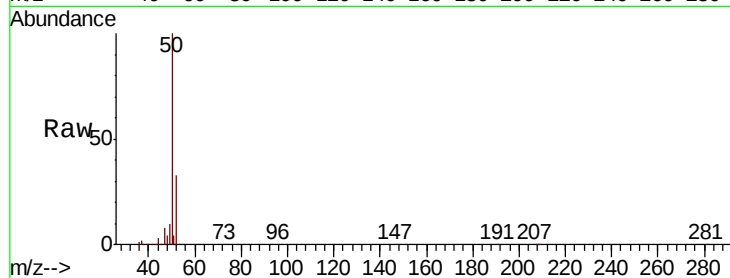
ClientSampled :

Tot Ion: 50 Resp: 124682

Ion Ratio Lower Upper

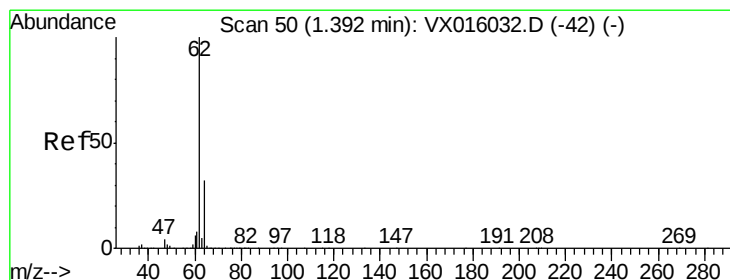
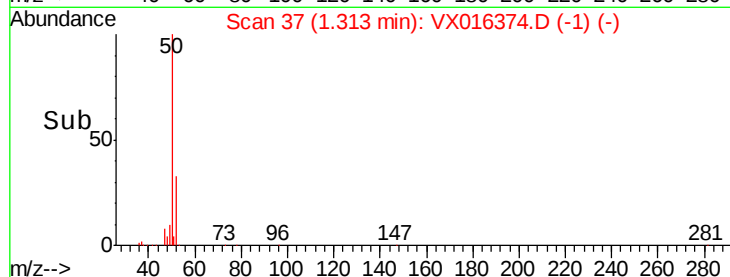
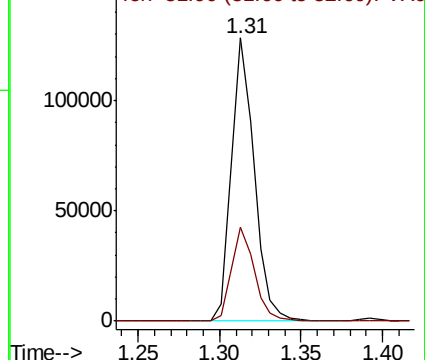
50 100

52 33.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.458 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016374.D

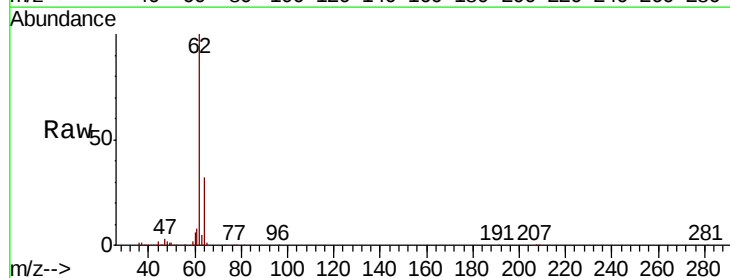
Acq: 20 May 2020 20:31

Tgt Ion: 62 Resp: 152672

Ion Ratio Lower Upper

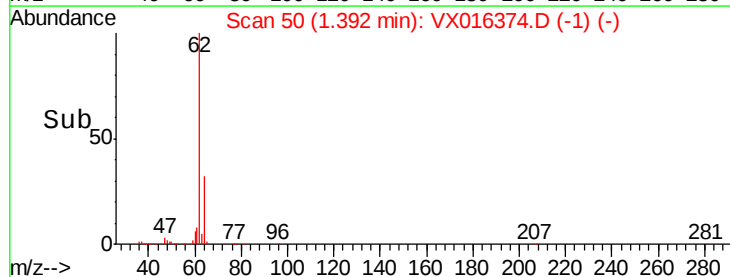
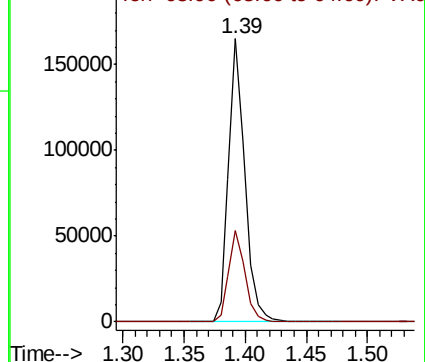
62 100

64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 28.196 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

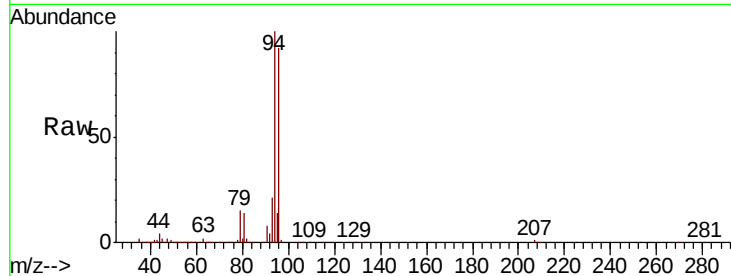
ClientSampled :

Tot Ion: 94 Resp: 46714

Ion Ratio Lower Upper

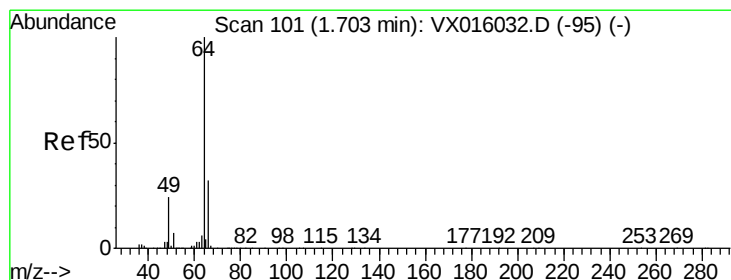
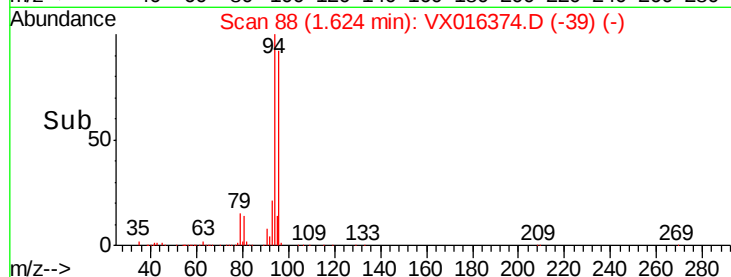
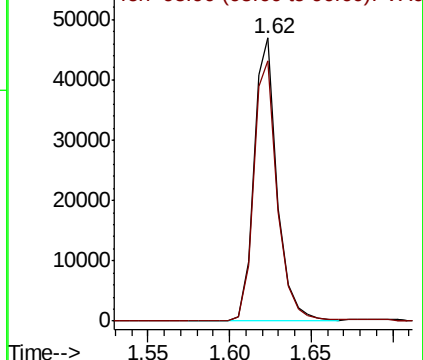
94 100

96 92.0 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.762 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016374.D

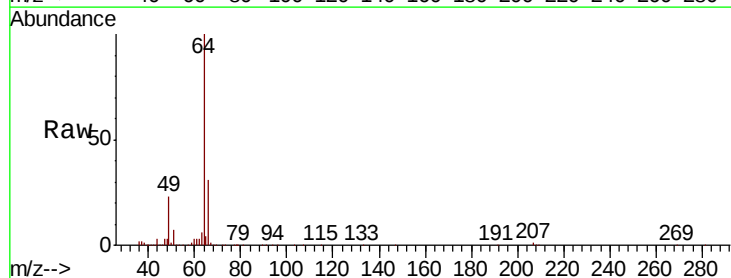
Acq: 20 May 2020 20:31

Tgt Ion: 64 Resp: 93502

Ion Ratio Lower Upper

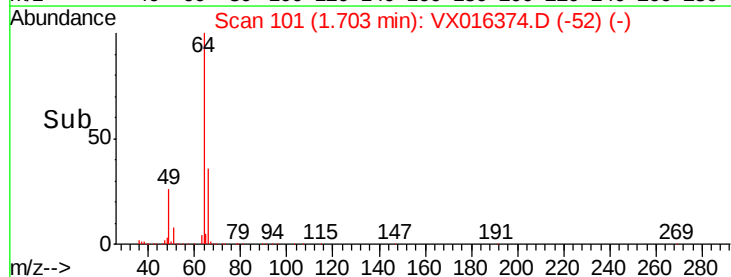
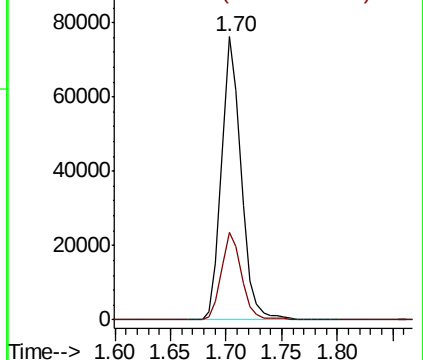
64 100

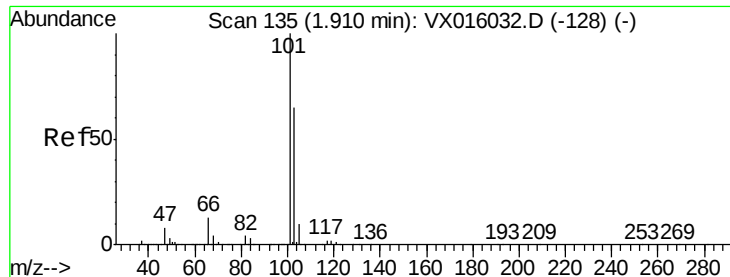
66 31.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



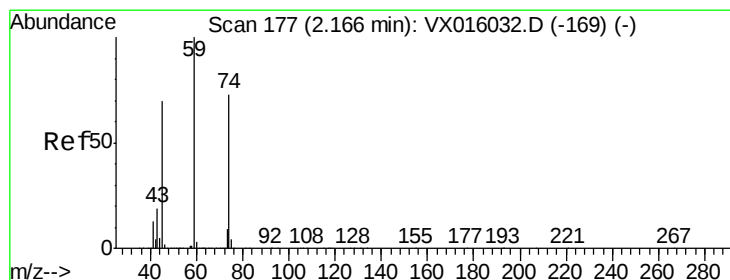
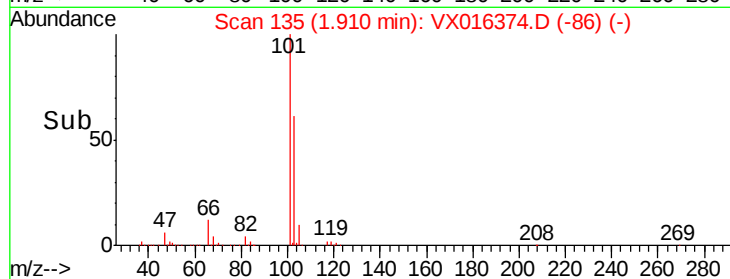
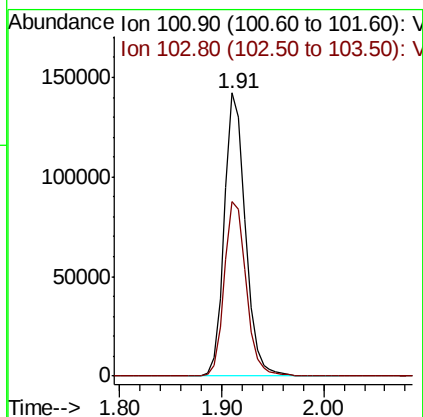
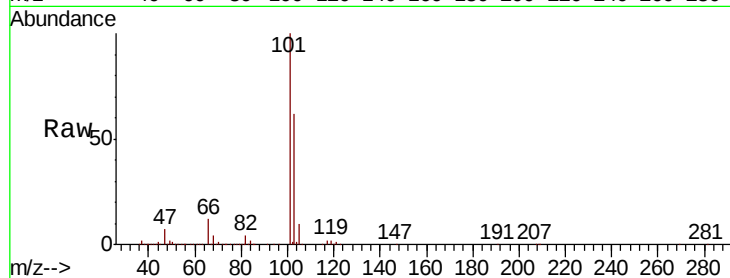


#7

Trichlorofluoromethane
Concen: 47.280 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :

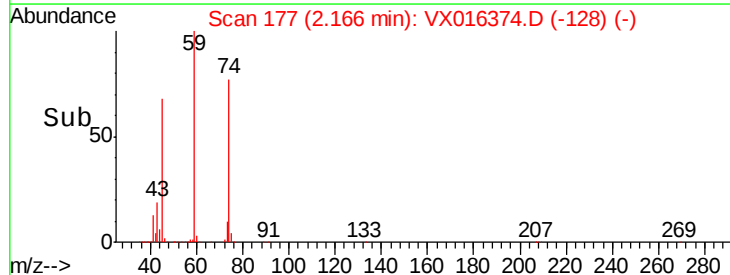
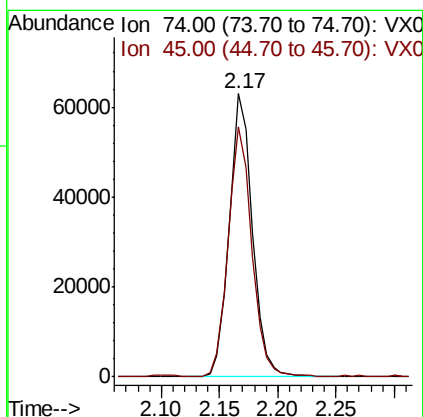
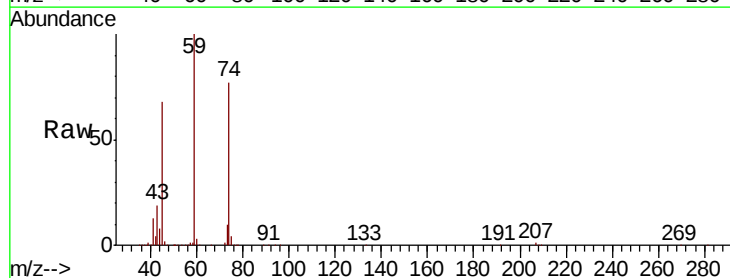
Tot Ion:101 Resp: 203983
Ion Ratio Lower Upper
101 100
103 61.5 51.8 77.6

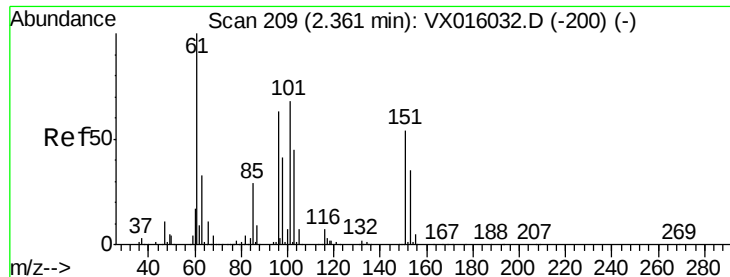


#8

Diethyl Ether
Concen: 48.056 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 74 Resp: 87358
Ion Ratio Lower Upper
74 100
45 89.6 47.3 142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.163 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

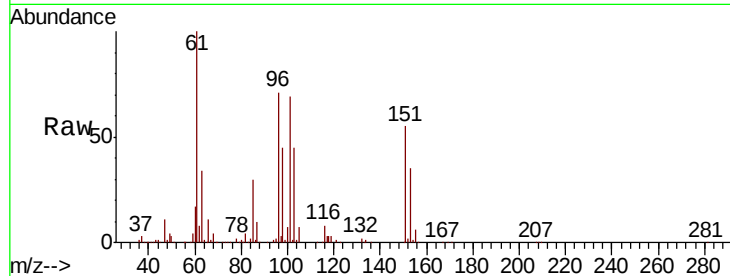
Tot Ion:101 Resp: 112416

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.4

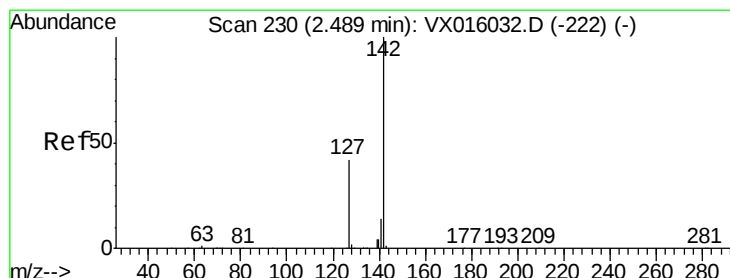
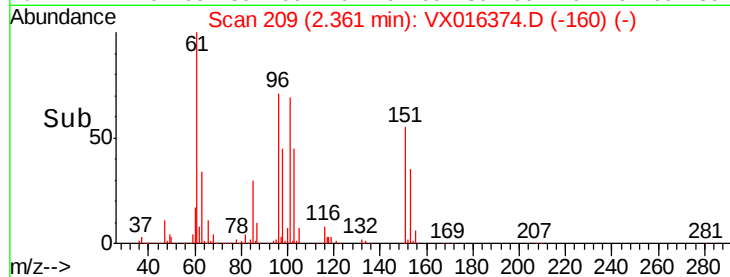
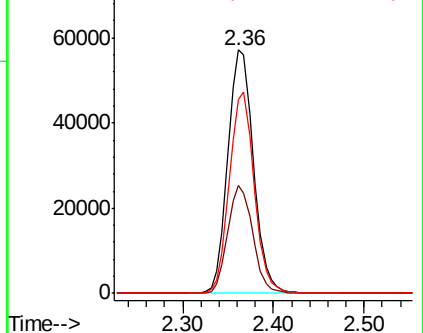
151 80.2 62.1 93.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.250 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

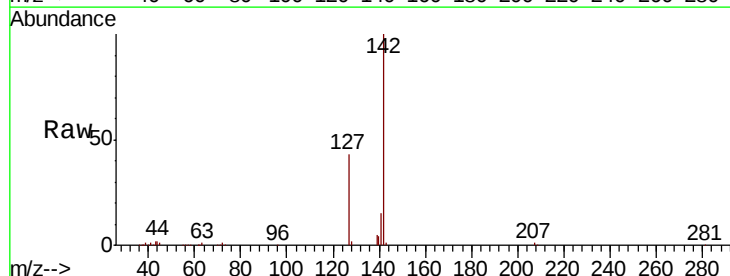
Tgt Ion:142 Resp: 64362

Ion Ratio Lower Upper

142 100

127 43.1 34.6 52.0

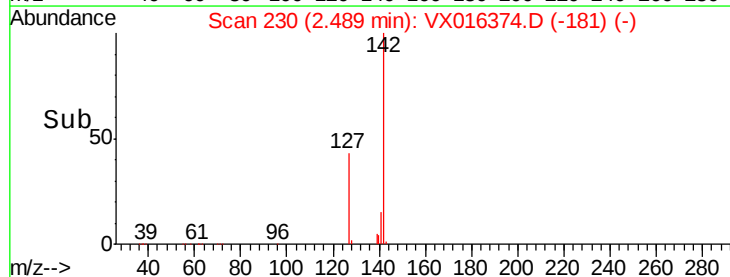
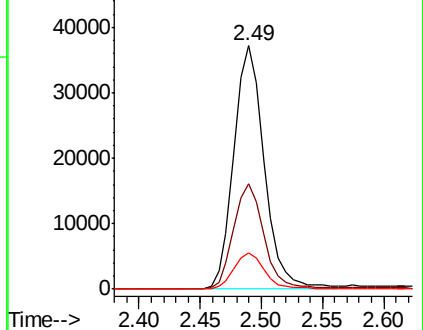
141 14.9 11.3 16.9



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



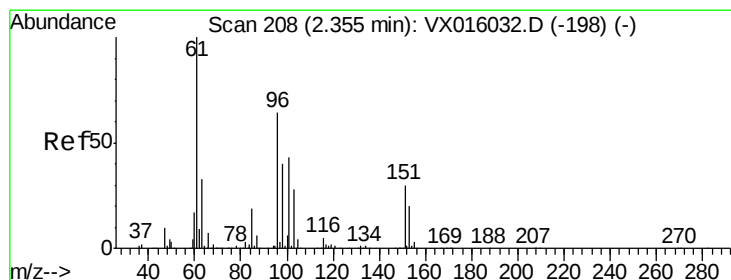
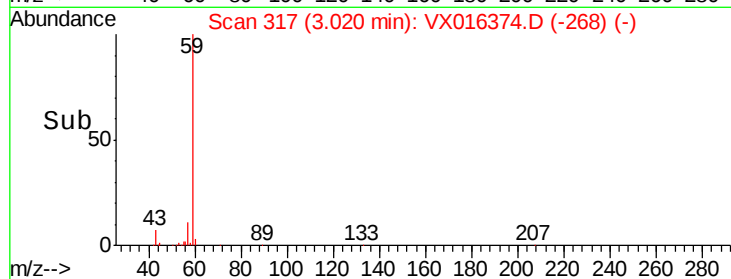
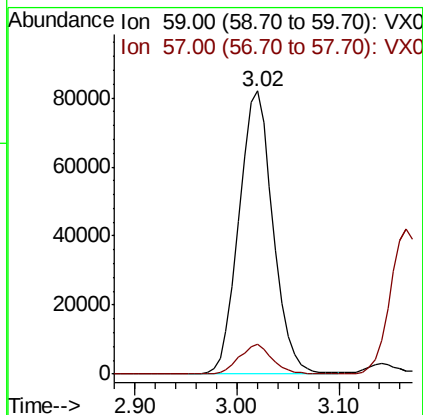
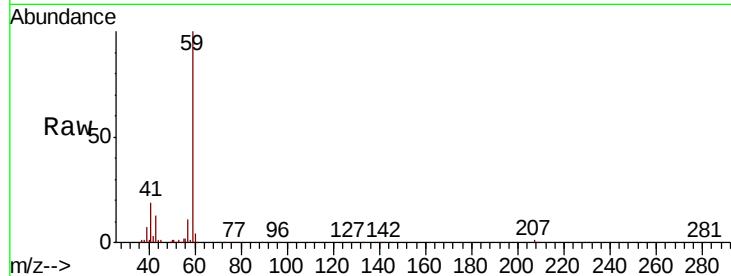


#11

Tert butyl alcohol
 Concen: 228.234 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Instrument :
 MSVOA_X
 ClientSampled :

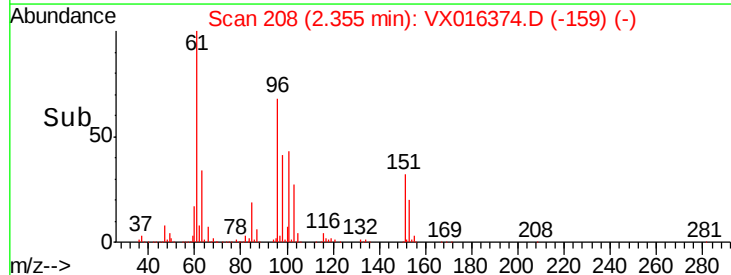
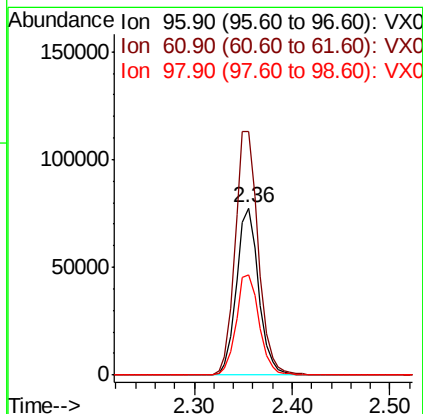
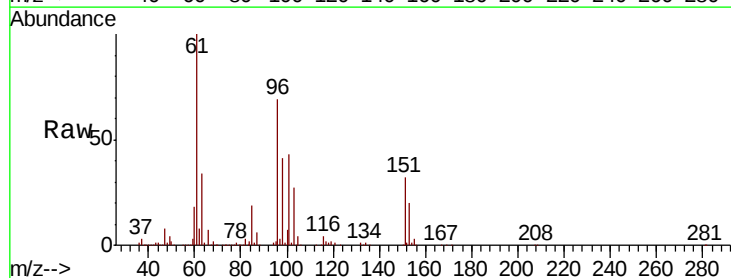
Tot Ion: 59 Resp: 190306
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

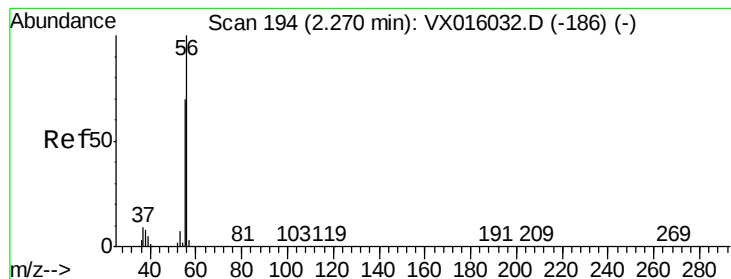


#12

1,1-Dichloroethene
 Concen: 46.685 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion: 96 Resp: 121604
 Ion Ratio Lower Upper
 96 100
 61 146.0 124.8 187.2
 98 60.2 49.7 74.5





#13

Acrolein

Concen: 221.160 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

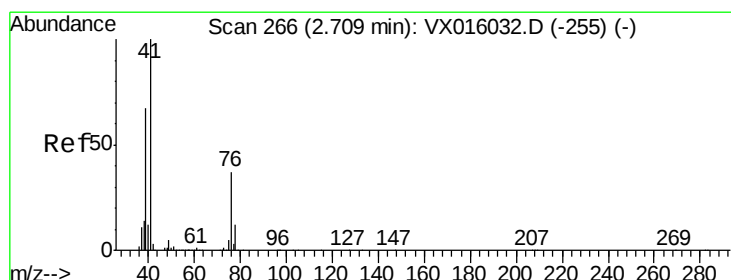
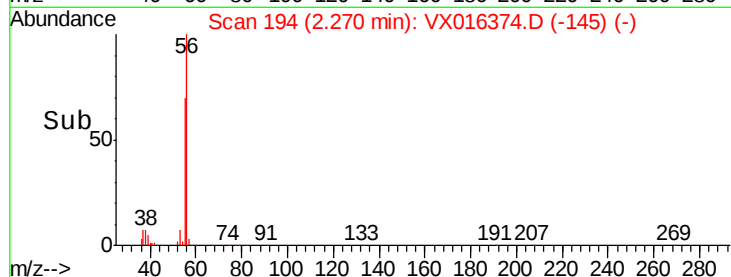
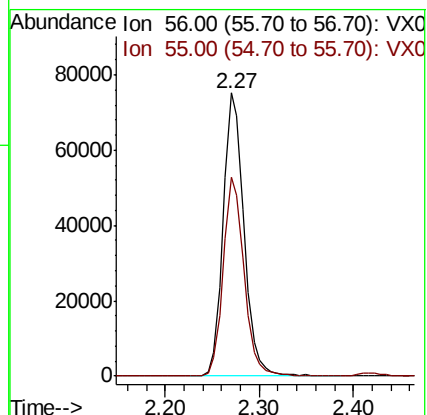
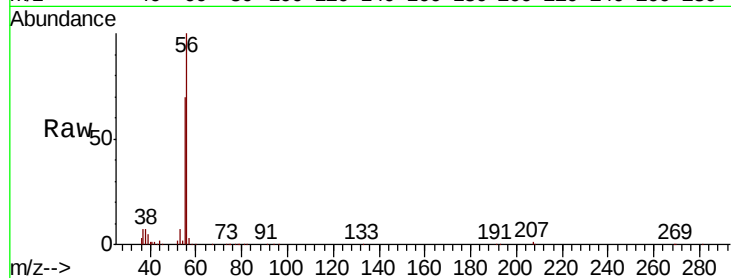
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 115396

Ion Ratio Lower Upper

56 100

55 69.8 56.5 84.7



#14

Allyl chloride

Concen: 44.083 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

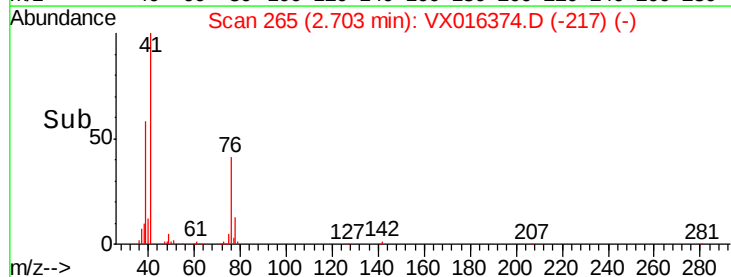
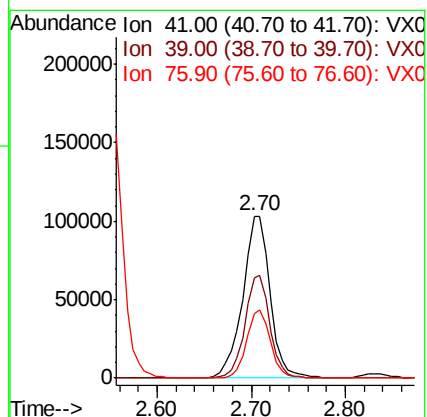
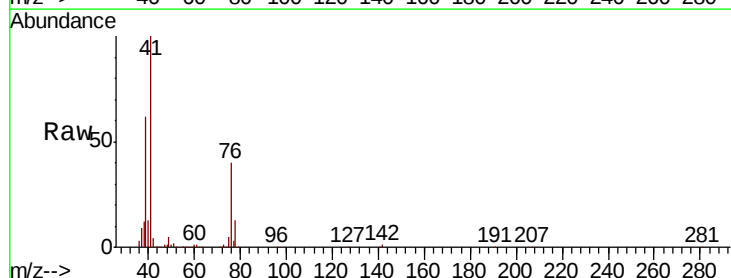
Tgt Ion: 41 Resp: 210539

Ion Ratio Lower Upper

41 100

39 57.4 50.5 75.7

76 36.6 26.6 40.0

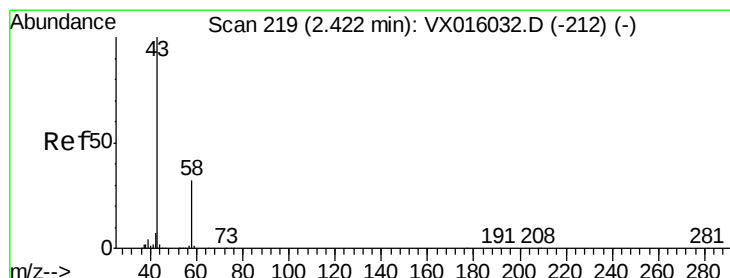
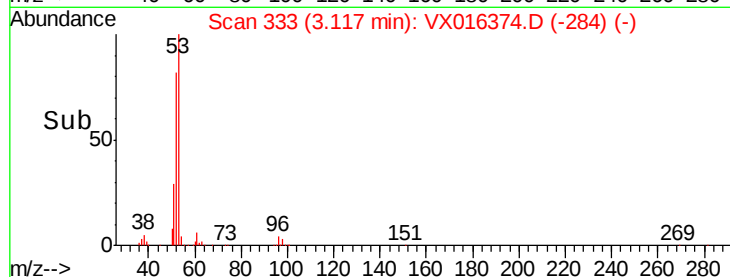
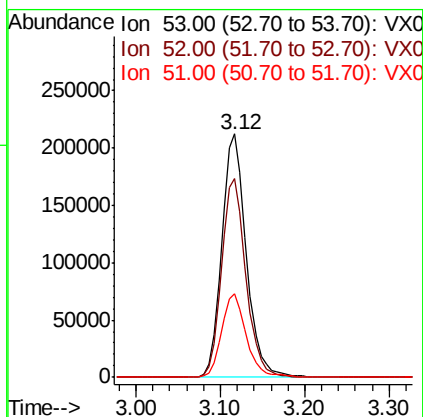
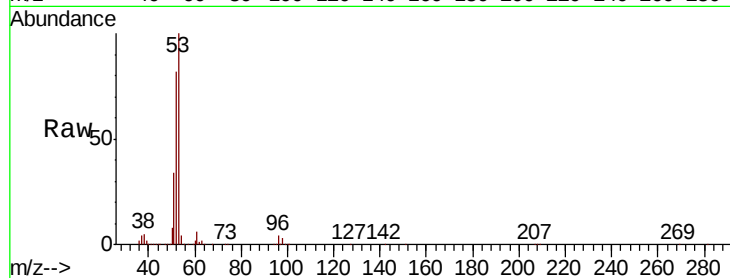




#15
 Acrylonitrile
 Concen: 244.798 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

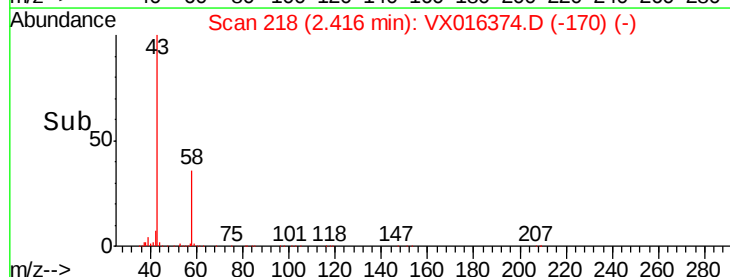
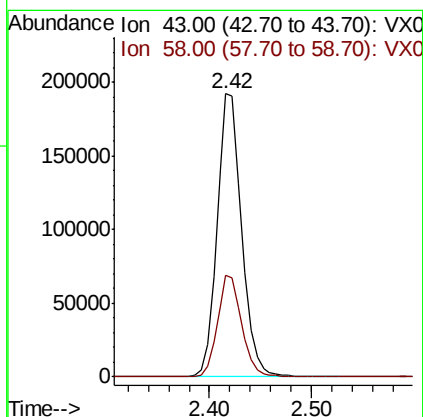
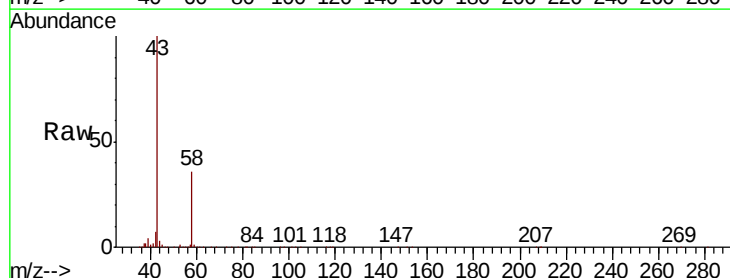
Instrument :
 MSVOA_X
 ClientSampled :

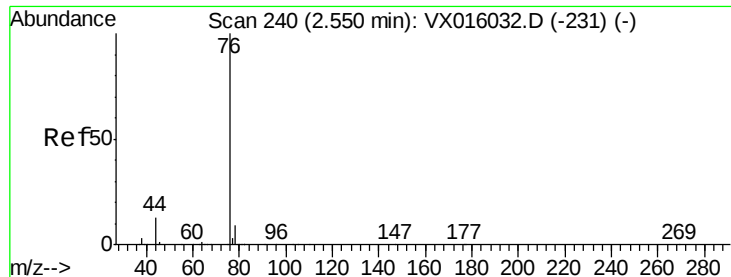
Tot Ion	53	Resp	423442
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	34.7	28.8	43.2



#16
 Acetone
 Concen: 218.706 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion	43	Resp	321772
Ion	Ratio	Lower	Upper
43	100		
58	35.9	25.4	38.0





#17

Carbon Disulfide

Concen: 40.651 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

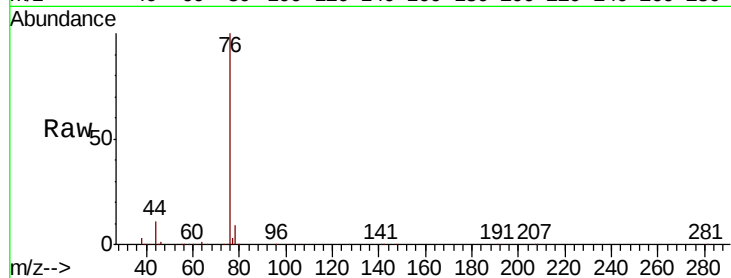
ClientSampleId :

Tot Ion: 76 Resp: 318288

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

100000

50000

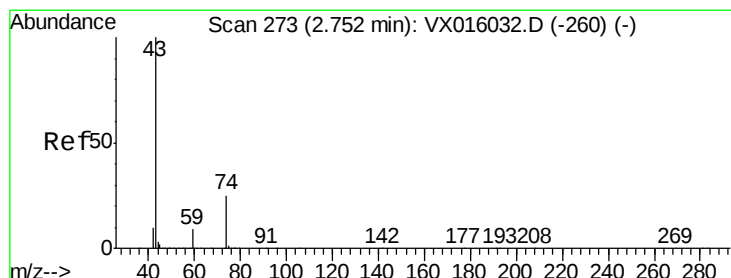
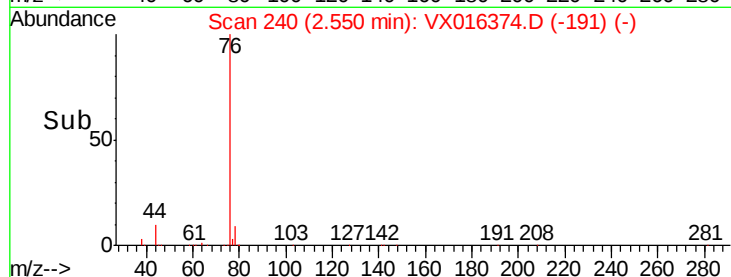
0

2.55

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 51.033 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016374.D

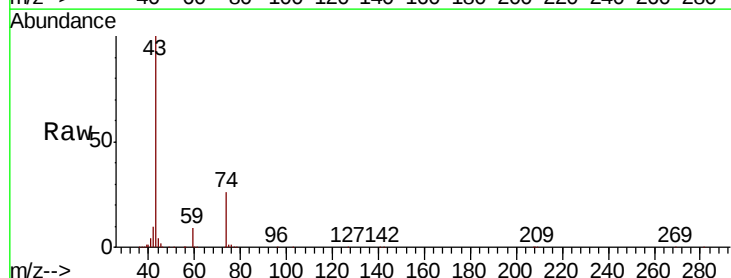
Acq: 20 May 2020 20:31

Tgt Ion: 43 Resp: 184611

Ion Ratio Lower Upper

43 100

74 26.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

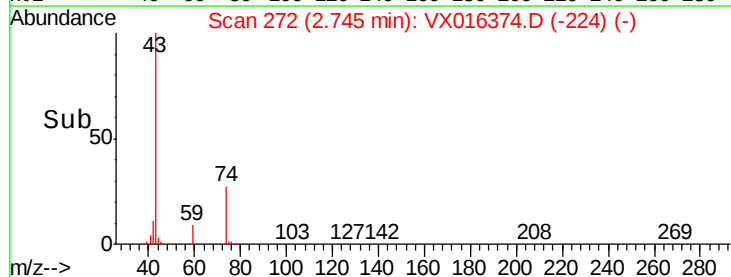
0

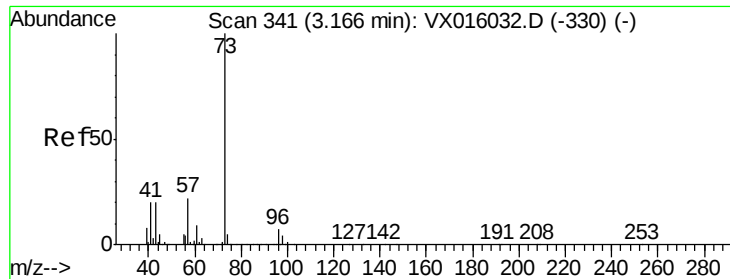
2.75

2.80

2.90

Time-->

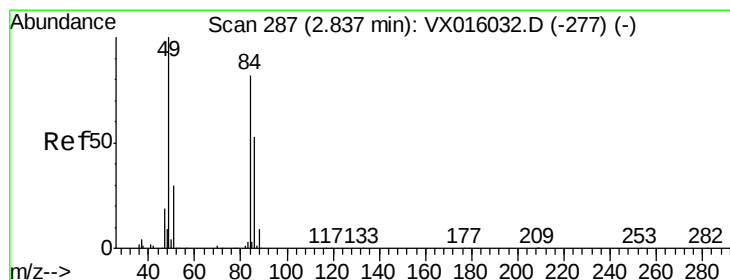
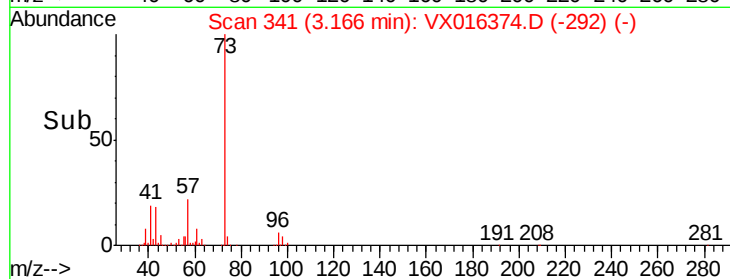
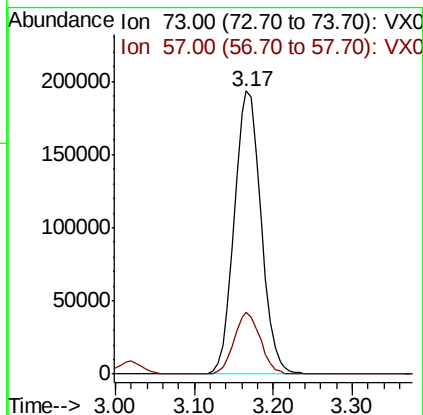
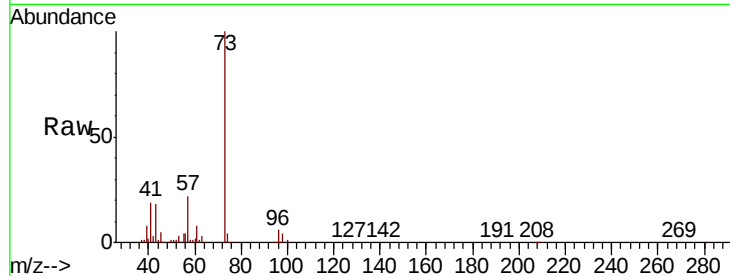




#19
Methyl tert-butyl Ether
Concen: 50.861 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

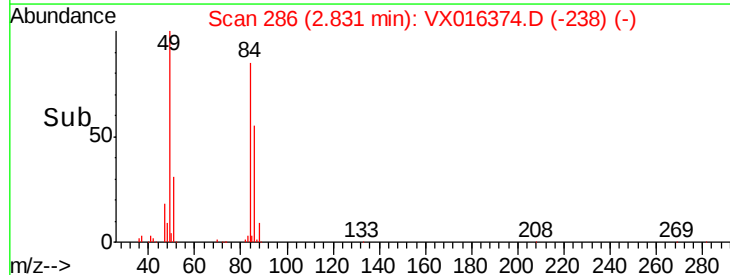
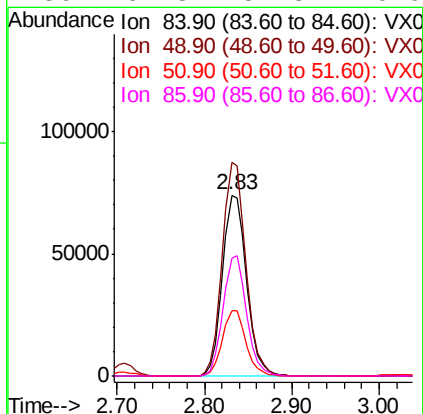
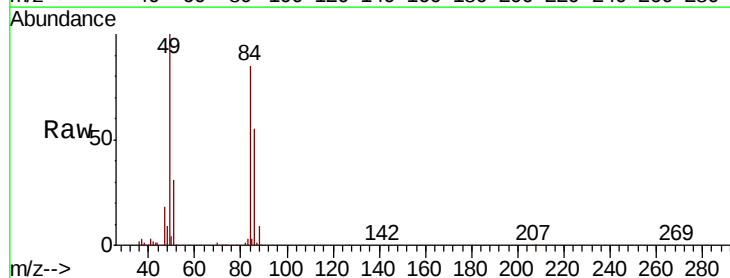
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 73 Resp: 456708
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6



#20
Methylene Chloride
Concen: 46.650 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 84 Resp: 141488
Ion Ratio Lower Upper
84 100
49 118.2 97.3 145.9
51 36.2 29.3 43.9
86 64.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.930 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

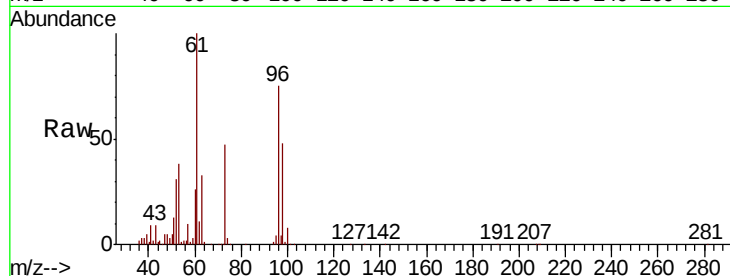
Tot Ion: 96 Resp: 136224

Ion Ratio Lower Upper

96 100

61 133.3 111.2 166.8

98 64.5 50.2 75.4

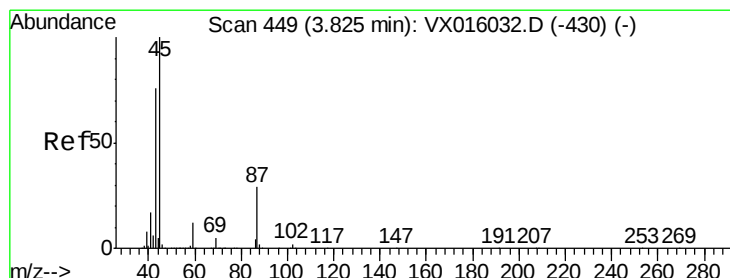
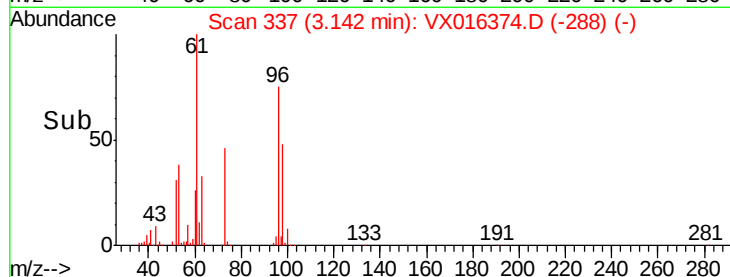
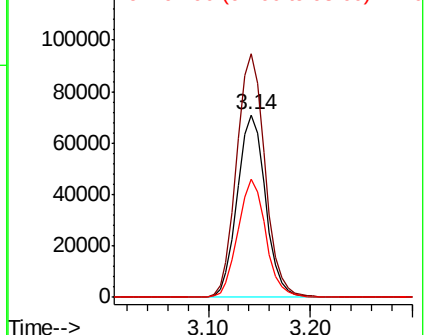


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.622 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Tgt Ion: 45 Resp: 429090

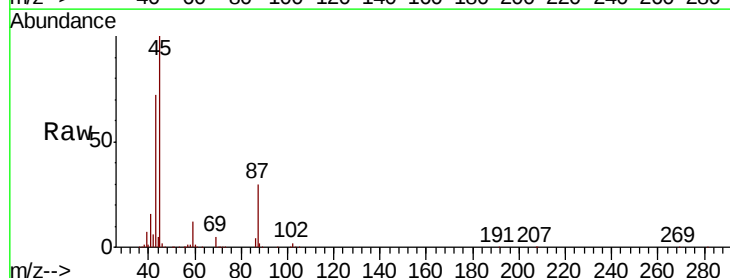
Ion Ratio Lower Upper

45 100

43 72.4 61.1 91.7

87 30.2 23.0 34.6

59 12.4 9.8 14.6



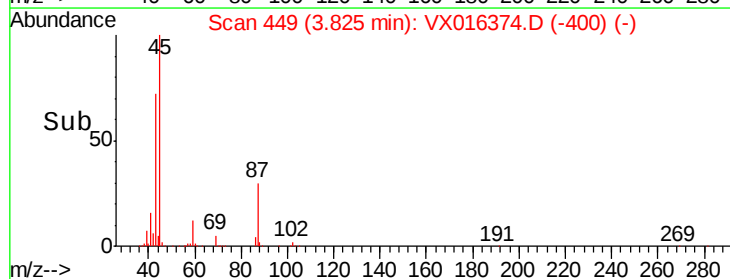
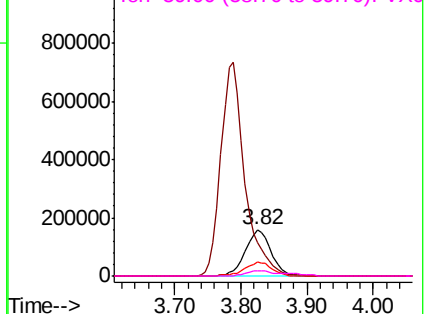
Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

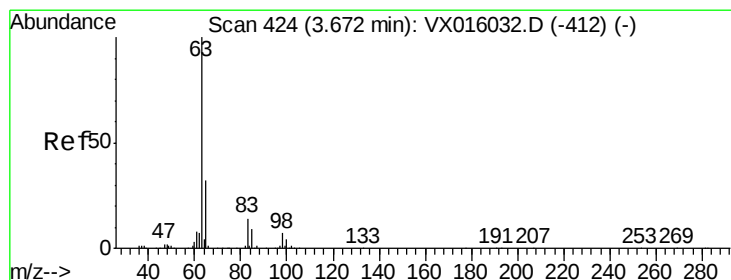
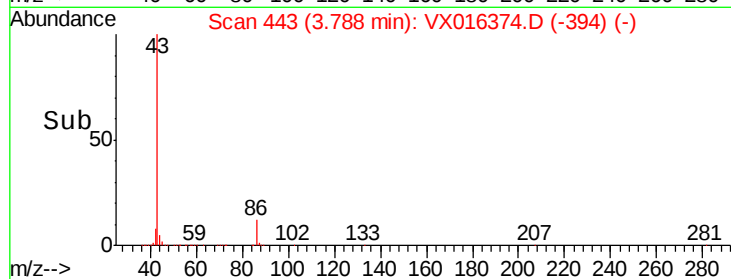
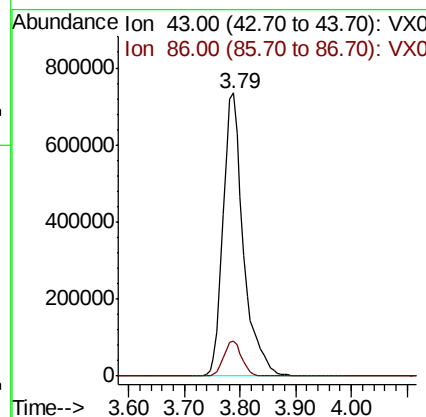
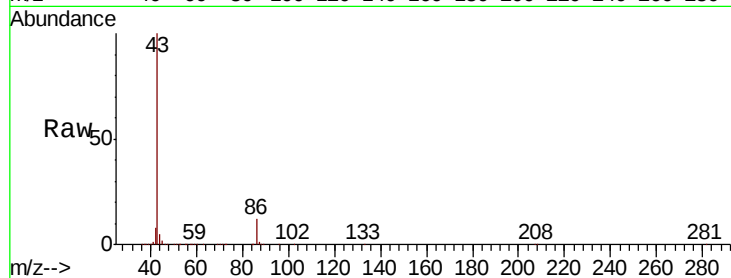




#23
 Vinyl Acetate
 Concen: 234.051 ug/l
 RT: 3.79 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

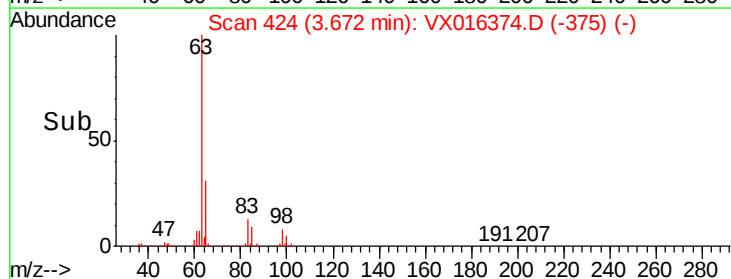
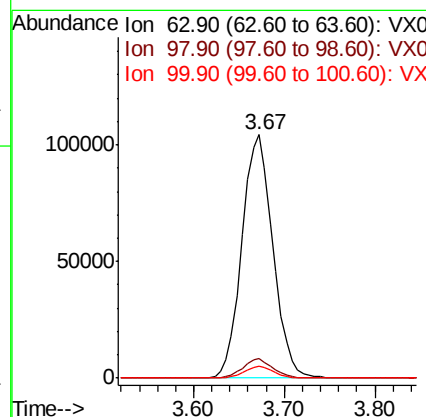
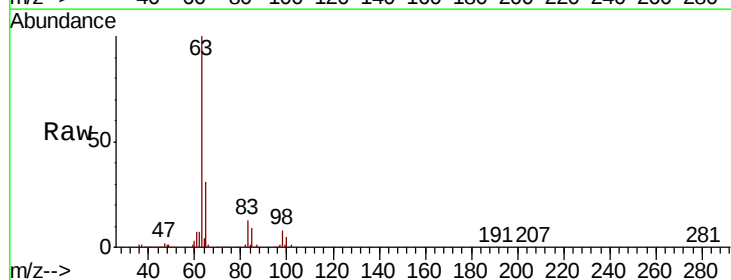
Instrument :
 MSVOA_X
 ClientSampleId :

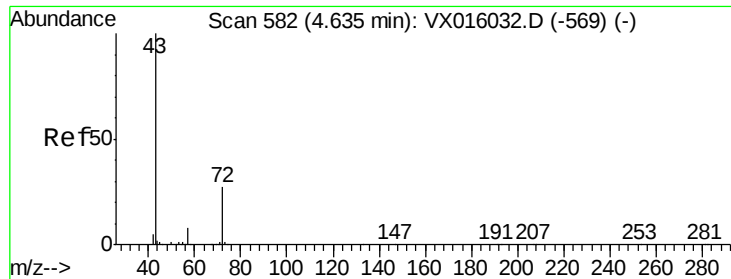
Tot Ion: 43 Resp: 1855345
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.0 13.4



#24
 1,1-Dichloroethane
 Concen: 49.009 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion: 63 Resp: 247023
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.5
 100 5.0 2.1 6.5





#25

2-Butanone

Concen: 238.220 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

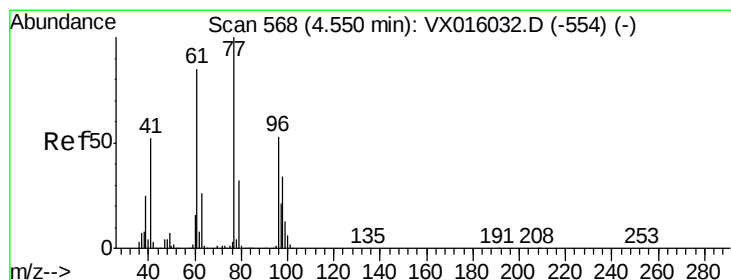
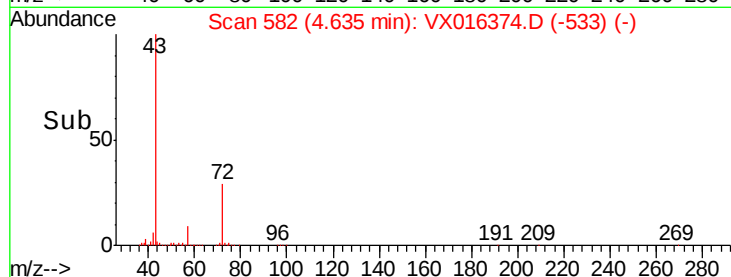
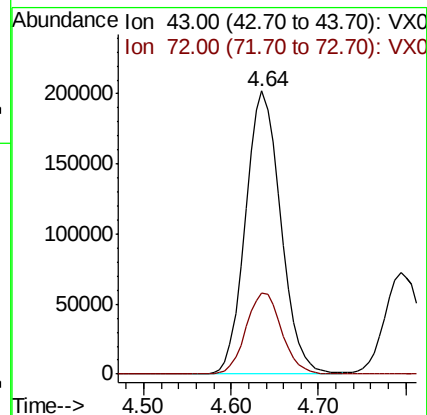
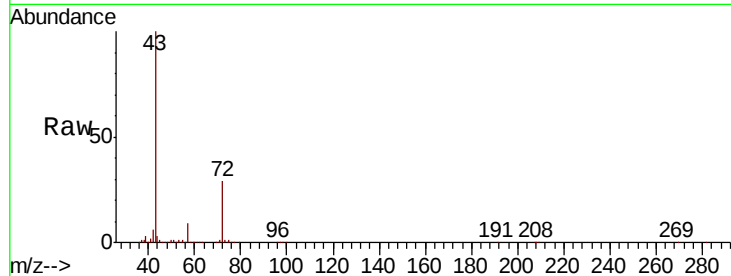
ClientSampleId :

Tot Ion: 43 Resp: 564767

Ion Ratio Lower Upper

43 100

72 28.7 21.8 32.8



#26

2,2-Dichloropropane

Concen: 43.043 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016374.D

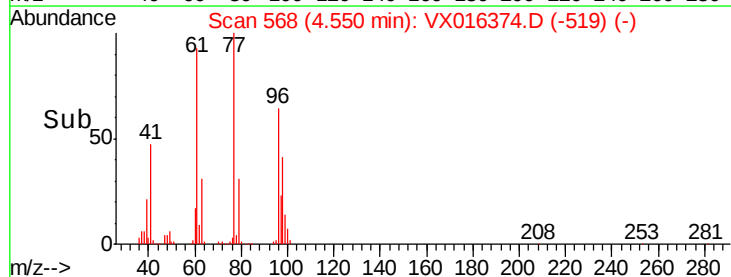
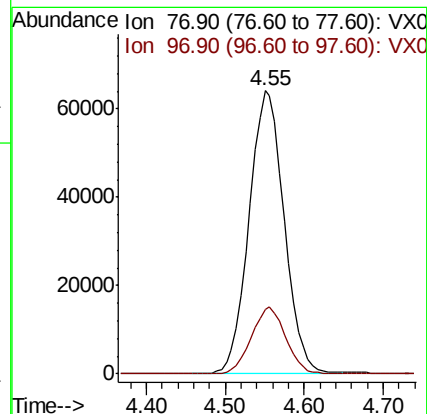
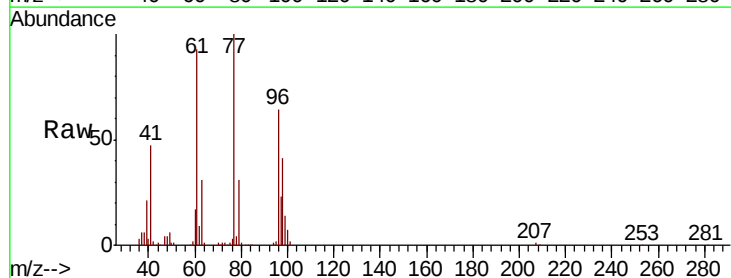
Acq: 20 May 2020 20:31

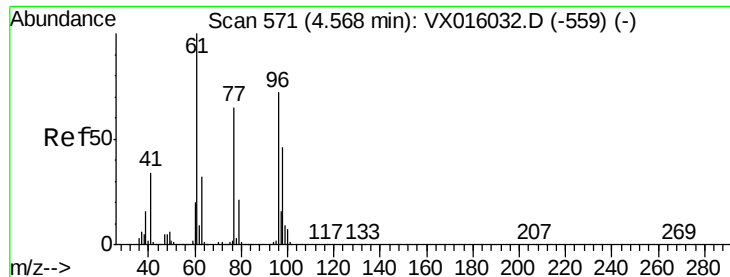
Tgt Ion: 77 Resp: 198129

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6



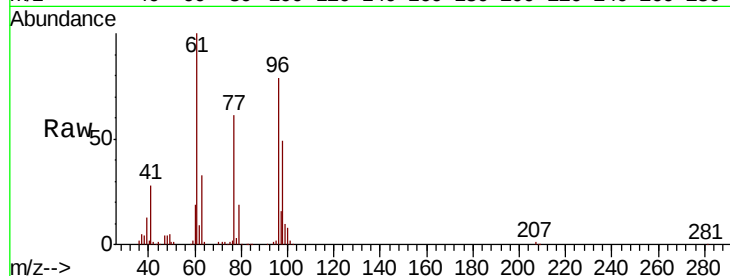


#27

cis-1,2-Dichloroethene
Concen: 50.916 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	296.2
98	63.7	0.0	129.4

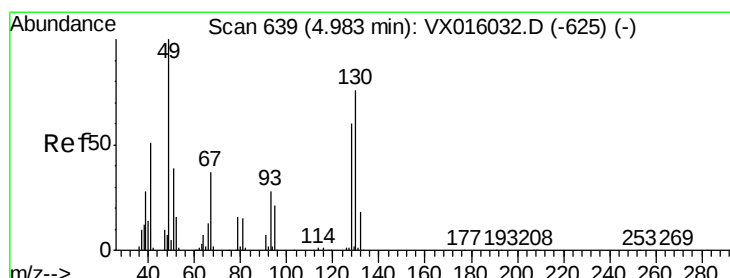
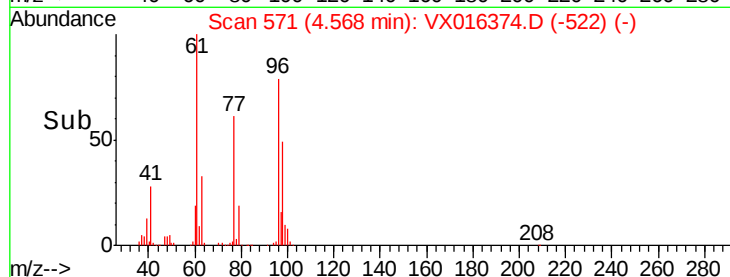
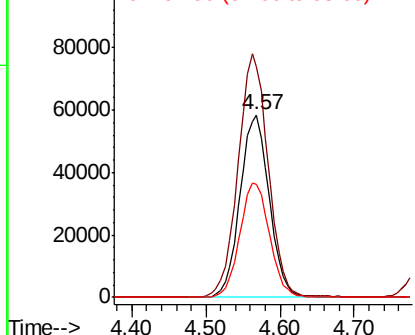


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

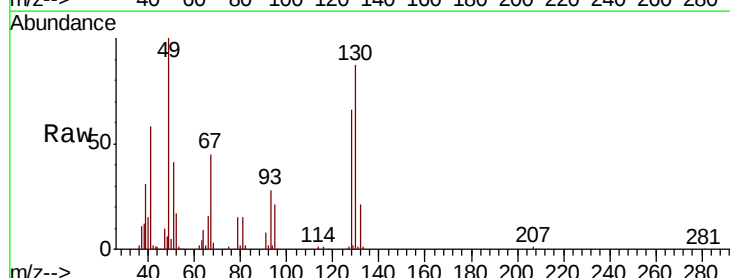
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 44.094 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	84.3	62.4	93.6

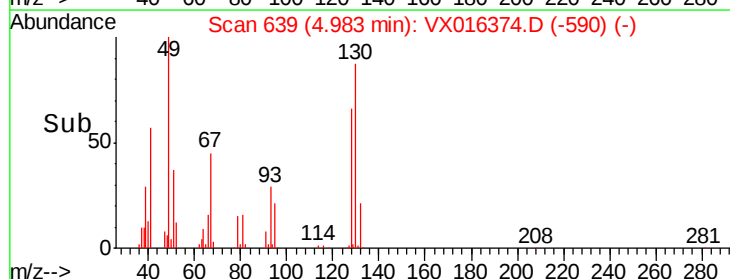
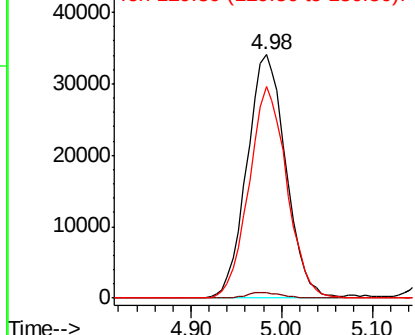


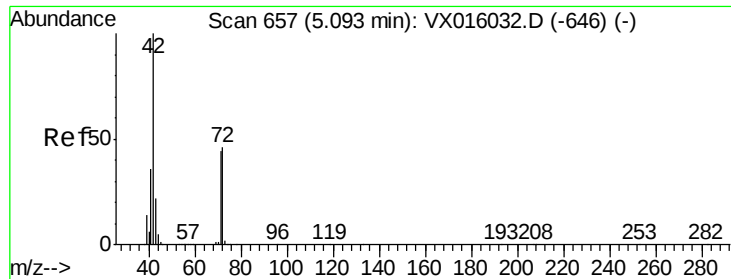
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 235.135 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

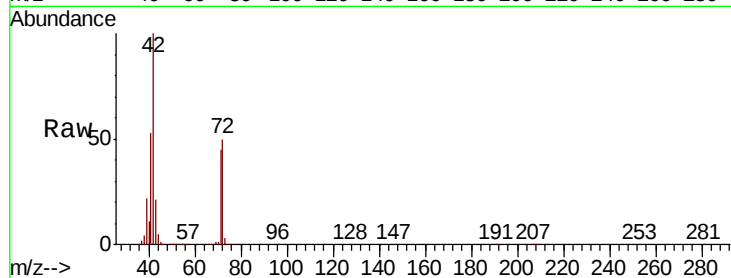
Tot Ion: 42 Resp: 369370

Ion Ratio Lower Upper

42 100

72 50.2 37.1 55.7

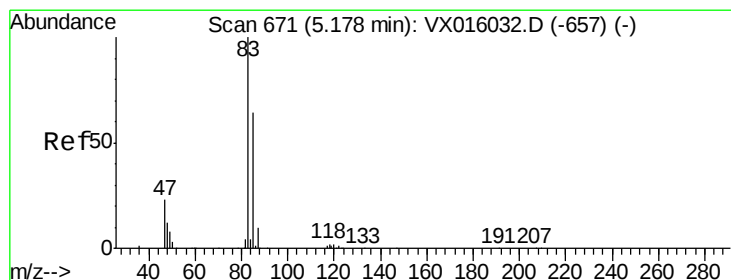
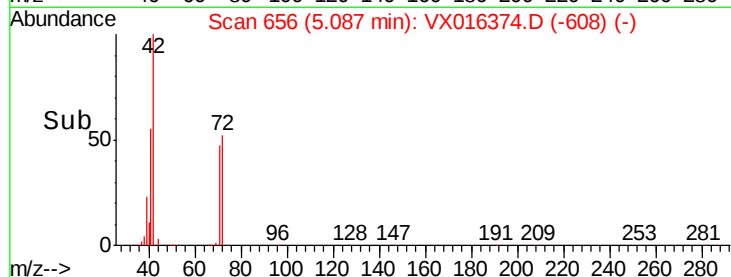
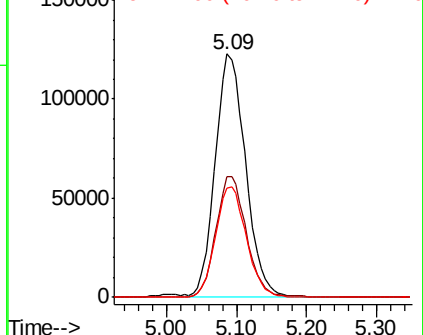
71 46.3 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.575 ug/l

RT: 5.18 min Scan# 672

Delta R.T. 0.01 min

Lab File: VX016374.D

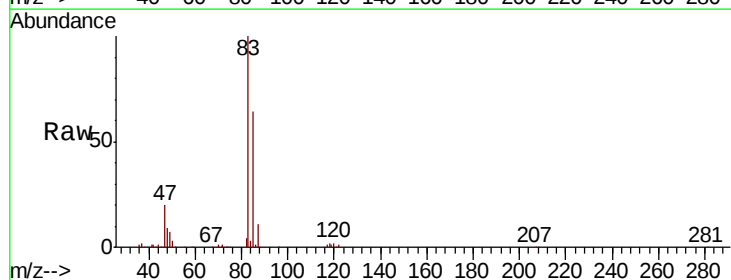
Acq: 20 May 2020 20:31

Tgt Ion: 83 Resp: 253808

Ion Ratio Lower Upper

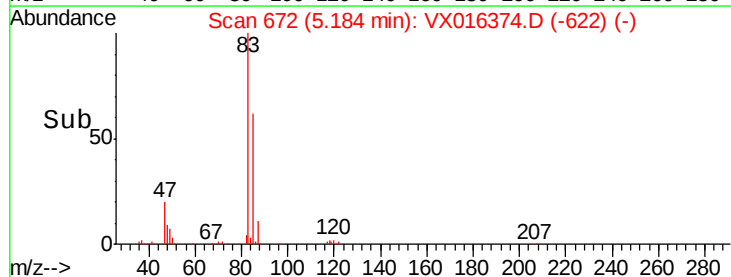
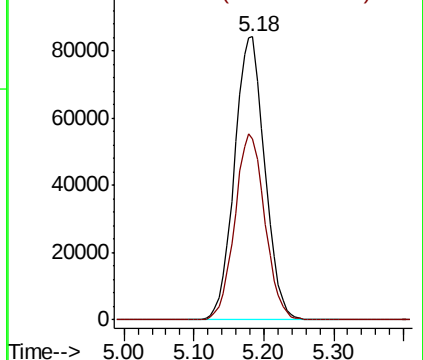
83 100

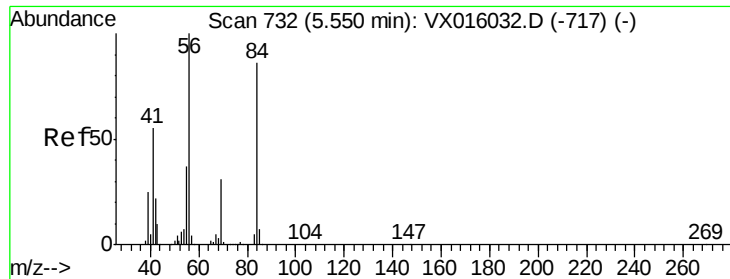
85 63.9 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

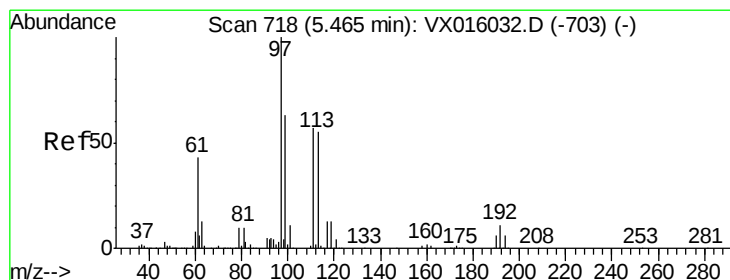
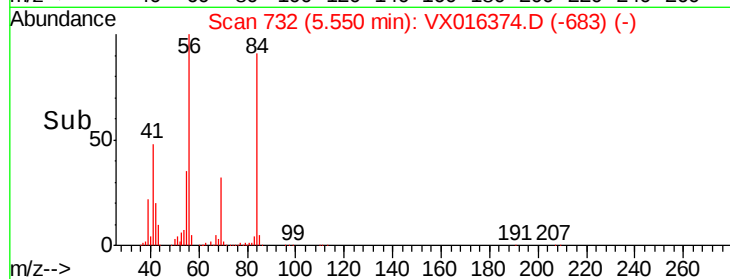
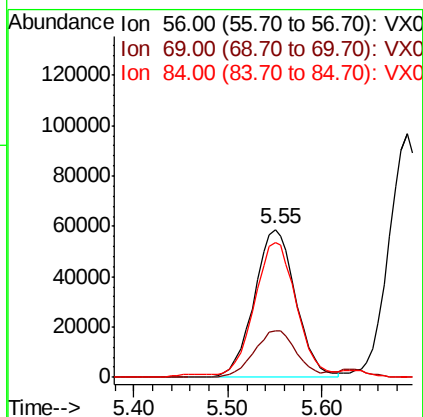
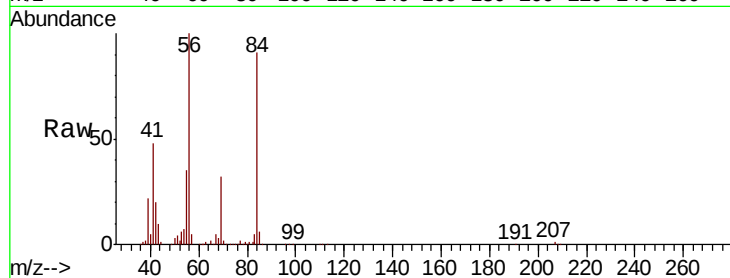




#31
Cyclohexane
Concen: 39.687 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

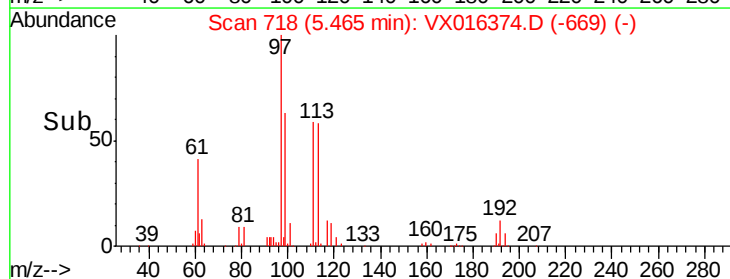
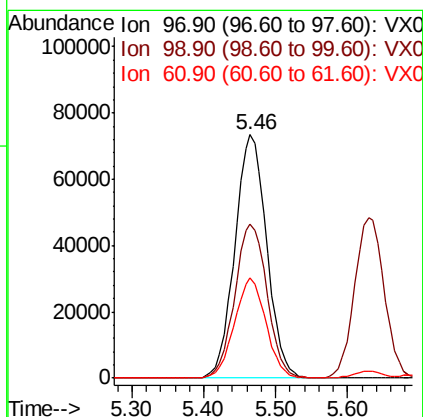
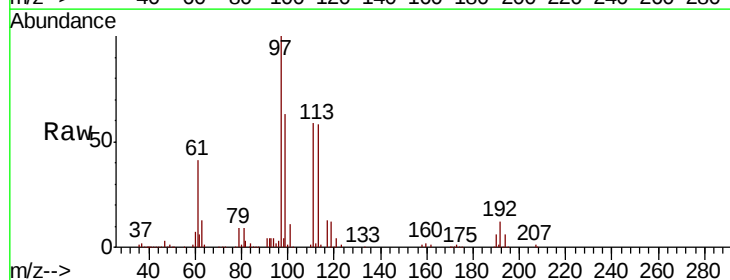
Instrument :
MSVOA_X
ClientSampleId :

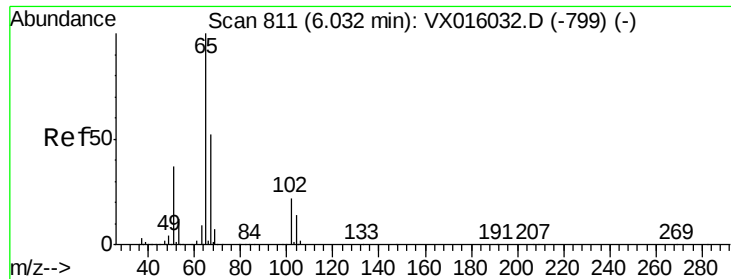
Tot Ion: 56 Resp: 181793
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.6
84 88.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.299 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 97 Resp: 224887
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 40.6 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 44.362 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

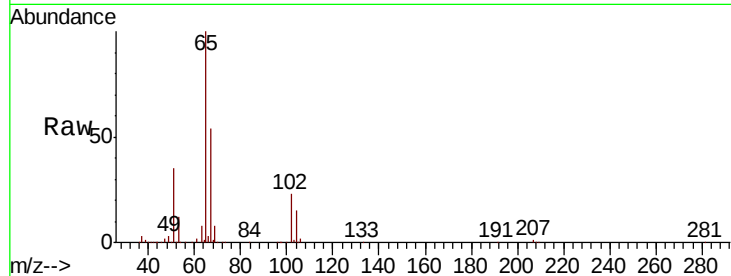
ClientSampleId :

Tot Ion: 65 Resp: 146277

Ion Ratio Lower Upper

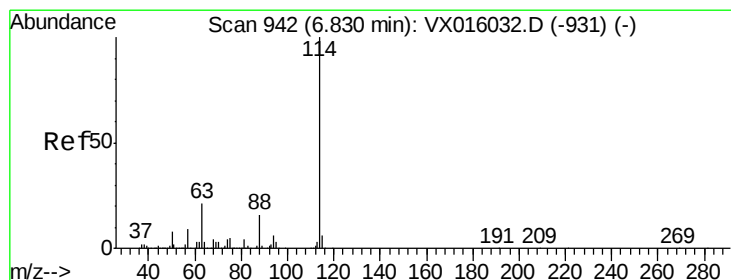
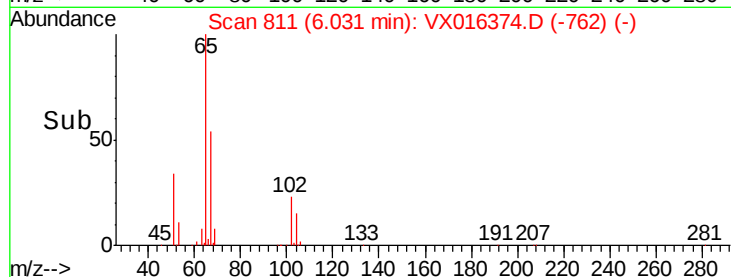
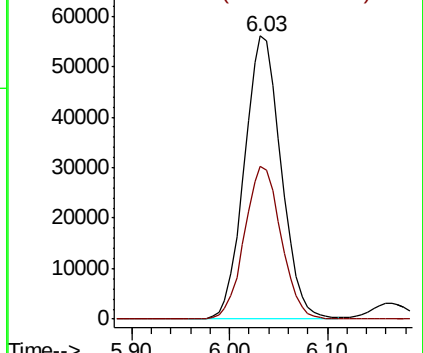
65 100

67 53.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

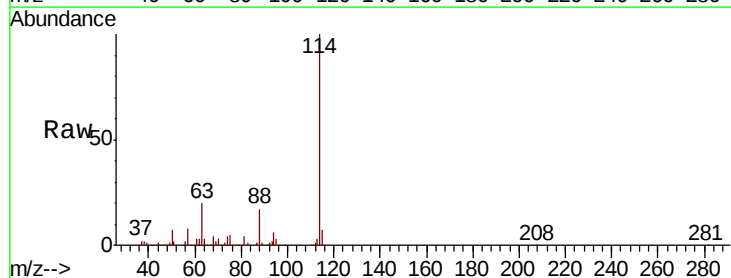
Tgt Ion: 114 Resp: 412573

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

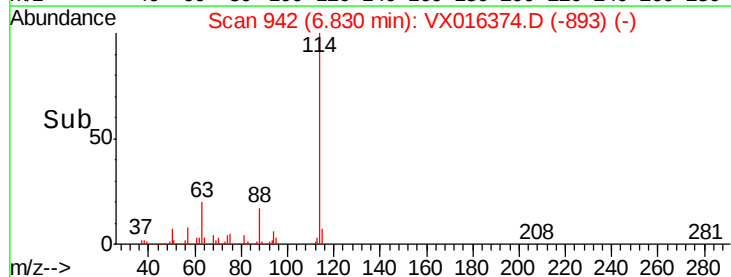
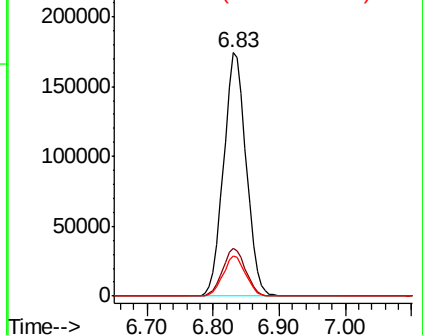
88 16.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

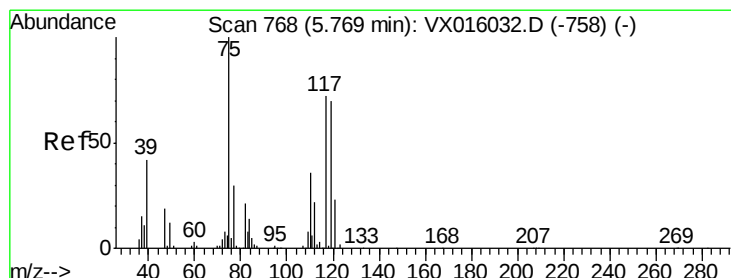
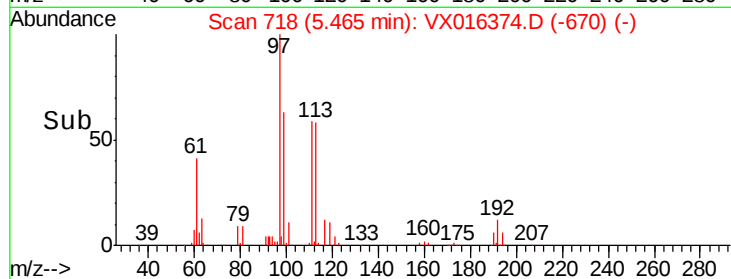
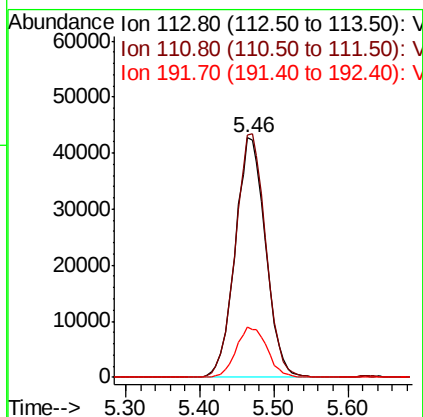
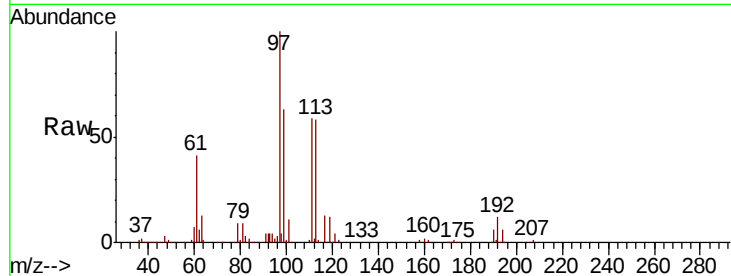




#35
 Dibromofluoromethane
 Concen: 46.760 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

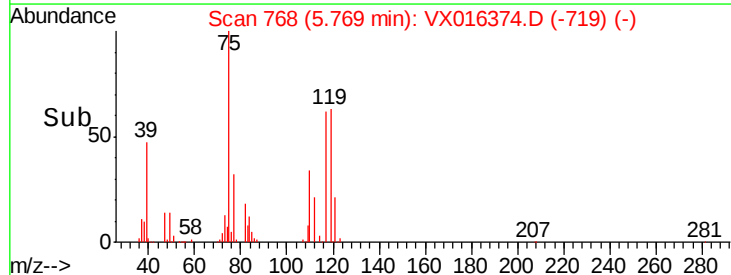
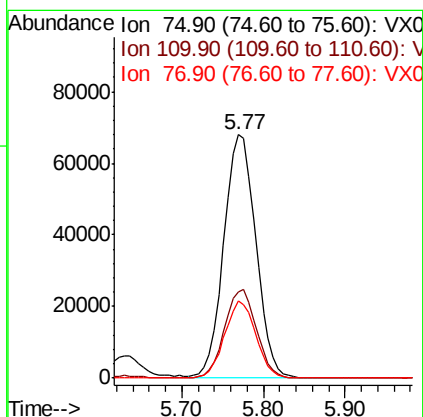
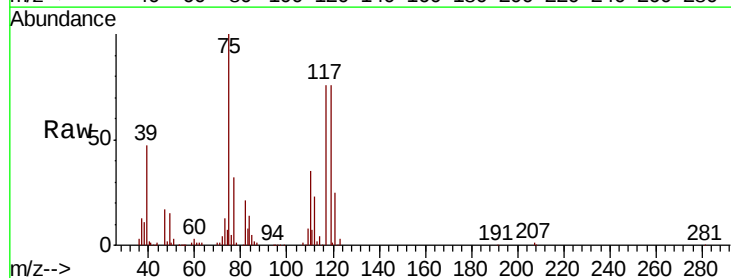
Instrument :
 MSVOA_X
 ClientSampleId :

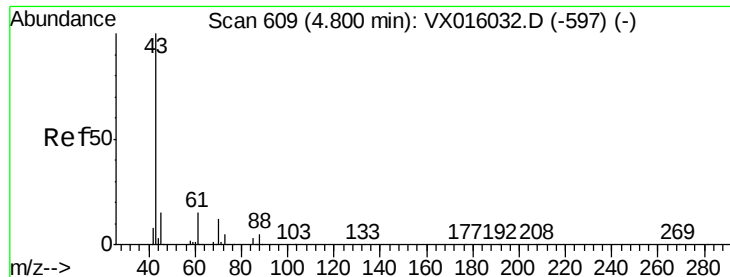
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	21.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 45.485 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	31.0	25.0	37.6

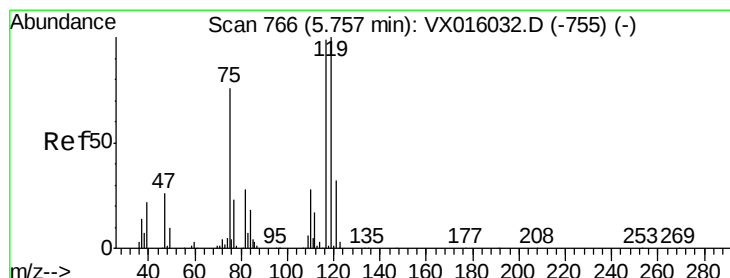
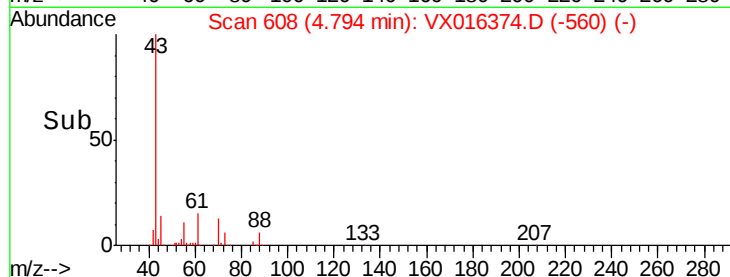
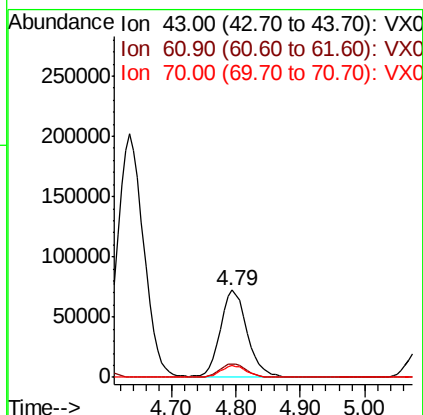
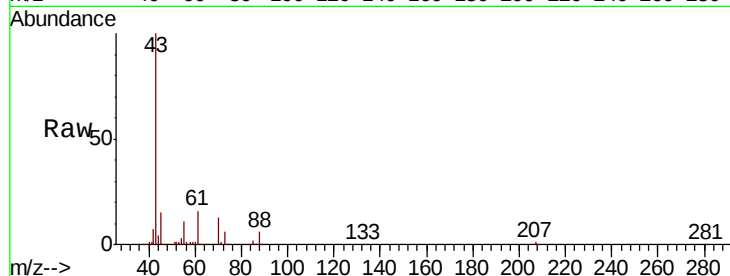




#37
Ethyl Acetate
Concen: 44.990 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

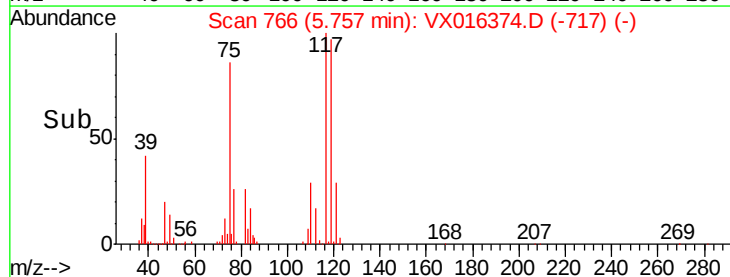
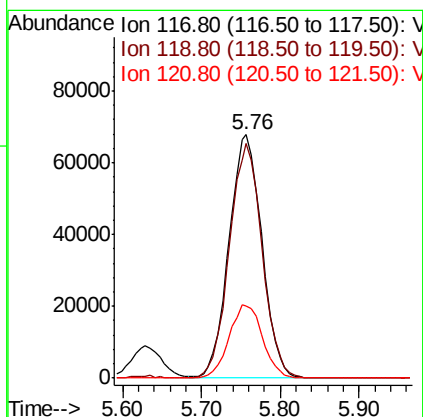
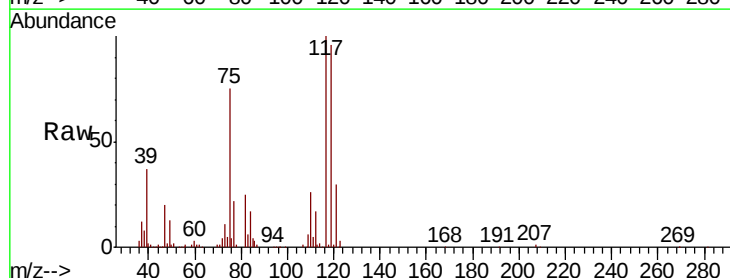
Instrument :
MSVOA_X
ClientSampled :

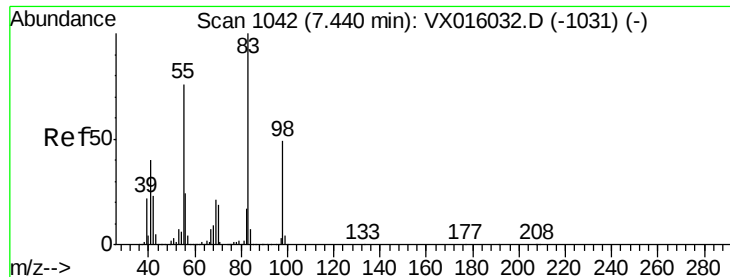
Tot Ion: 43 Resp: 211768
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 12.9 9.3 13.9



#38
Carbon Tetrachloride
Concen: 47.684 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 117 Resp: 196836
Ion Ratio Lower Upper
117 100
119 96.2 80.3 120.5
121 29.6 25.7 38.5

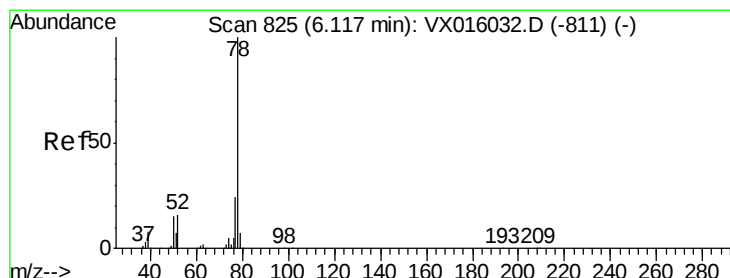
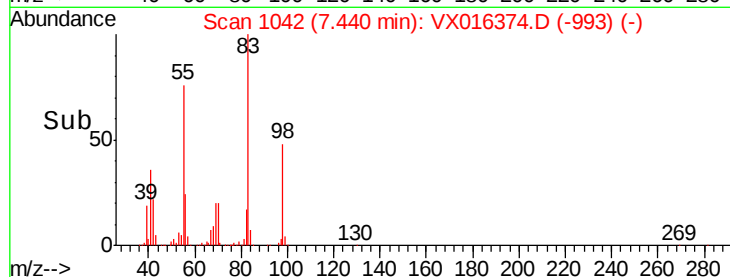
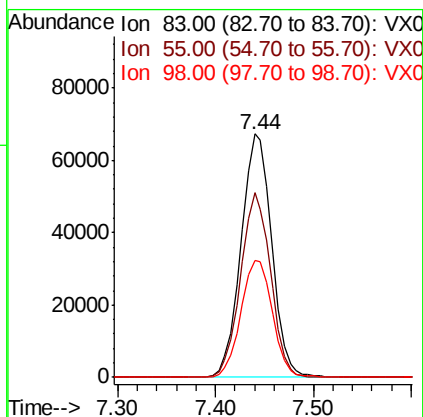
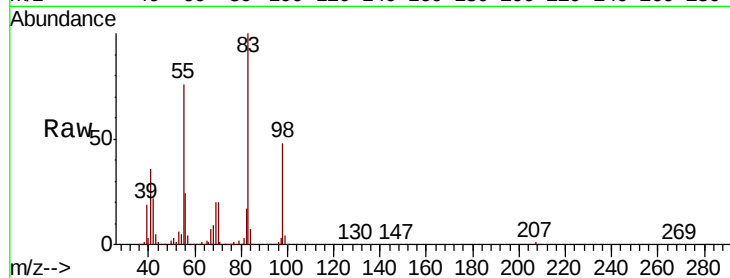




#39
Methvlcvclohexane
Concen: 29.911 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

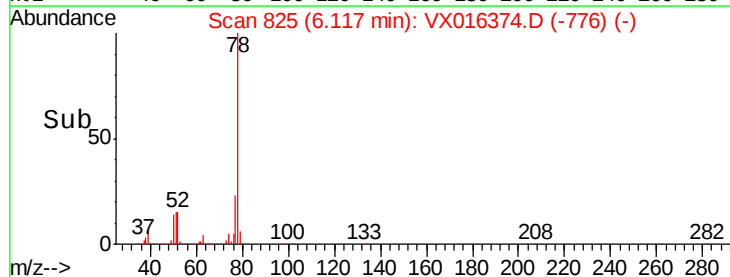
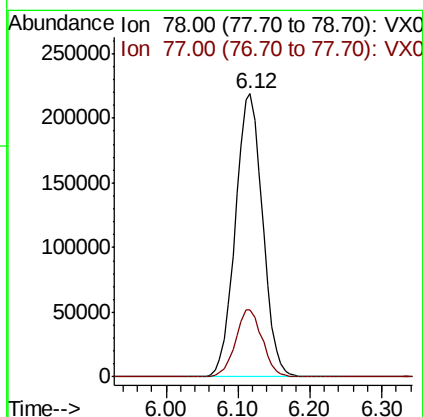
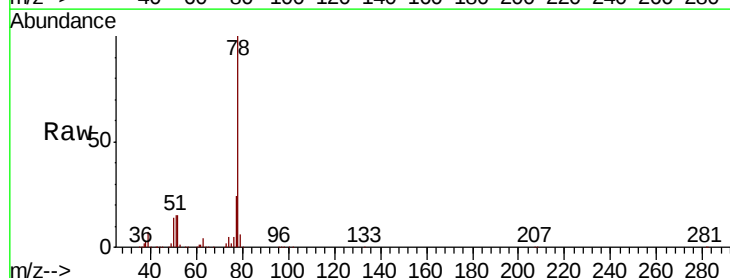
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 146291
Ion Ratio Lower Upper
83 100
55 75.6 61.1 91.7
98 48.1 39.0 58.4



#40
Benzene
Concen: 48.433 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 78 Resp: 575526
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

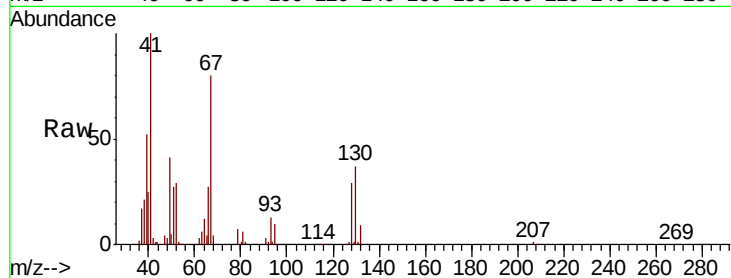




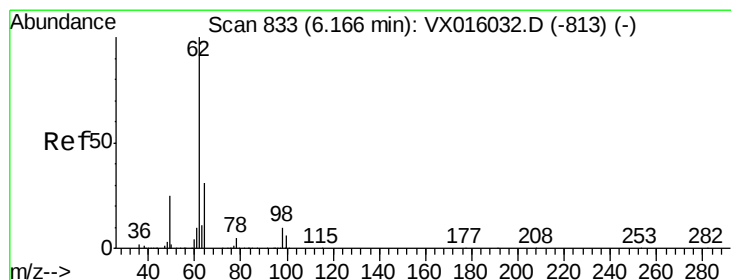
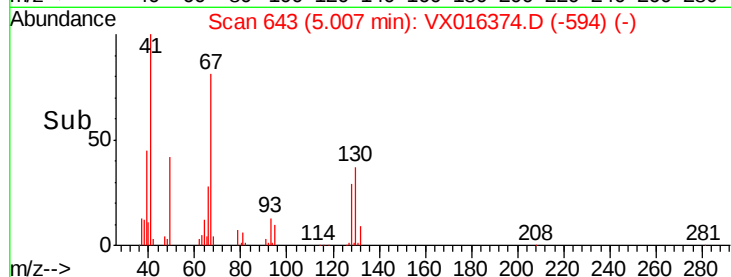
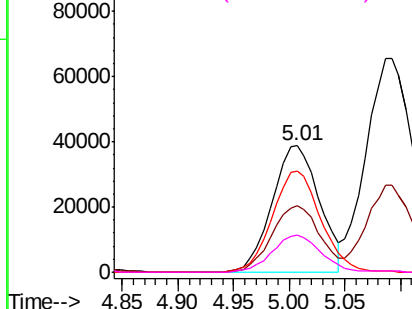
#41
Methacrylonitrile
Concen: 45.118 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	114692
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.2	64.8
67	81.8	59.3	88.9
52	30.8	23.5	35.3

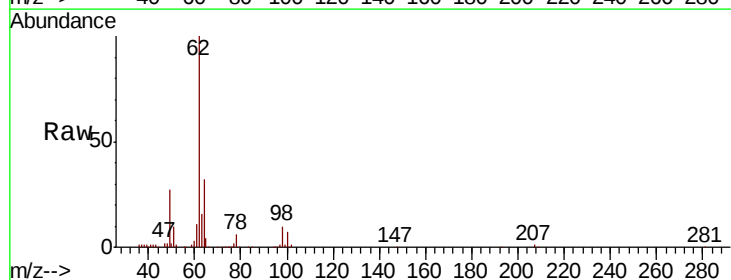


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

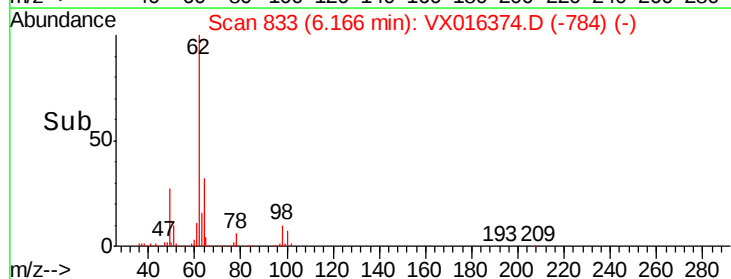
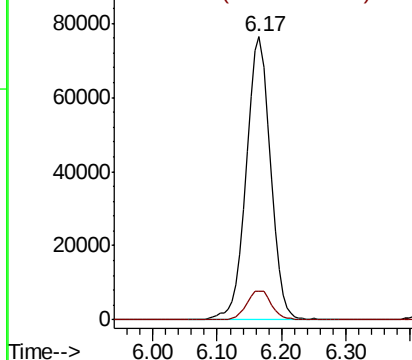


#42
1,2-Dichloroethane
Concen: 45.942 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion:	62	Resp:	196660
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 45.496 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

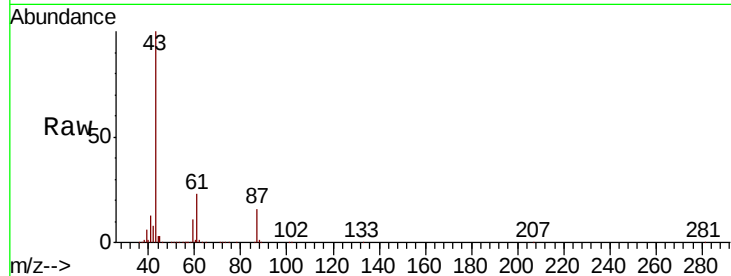
Tot Ion: 43 Resp: 341684

Ion Ratio Lower Upper

43 100

61 22.6 17.0 25.4

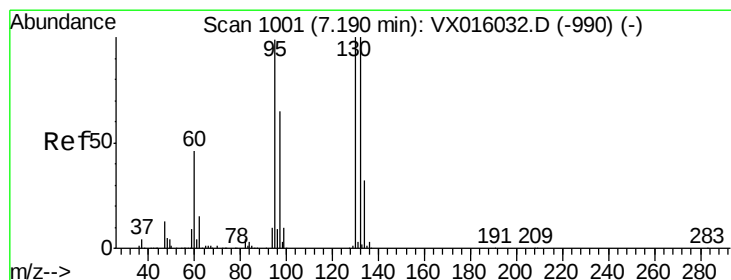
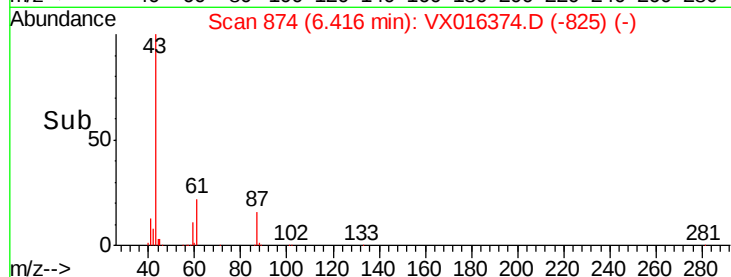
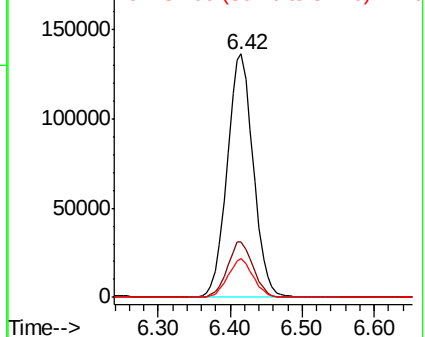
87 15.5 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 40.362 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016374.D

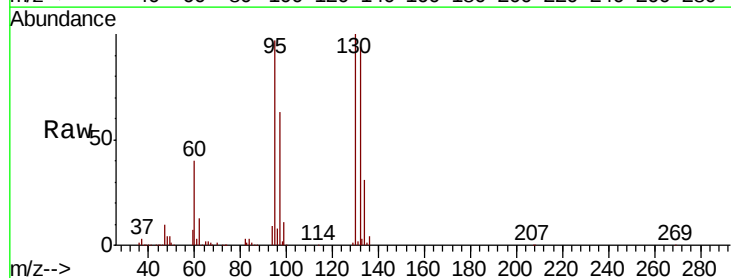
Acq: 20 May 2020 20:31

Tgt Ion:130 Resp: 170391

Ion Ratio Lower Upper

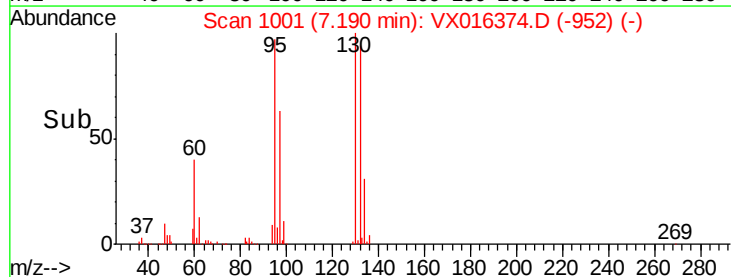
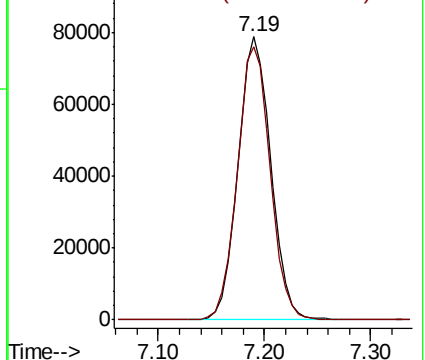
130 100

95 96.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.866 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

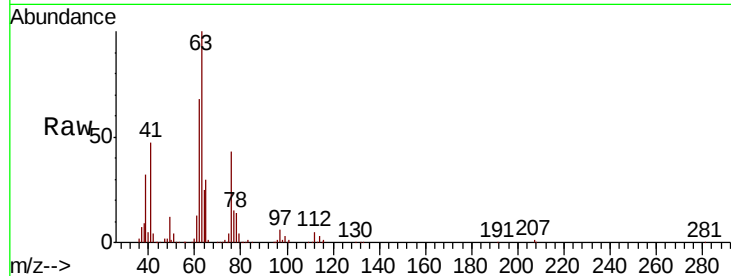
ClientSampled :

Tot Ion: 63 Resp: 149936

Ion Ratio Lower Upper

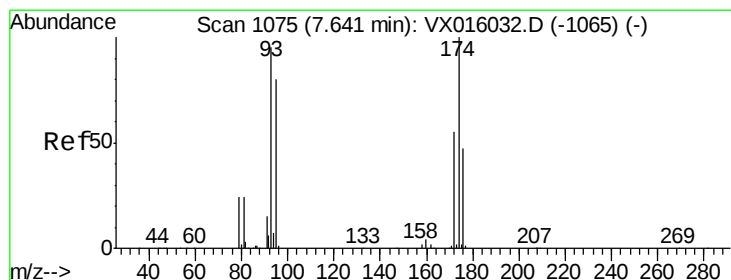
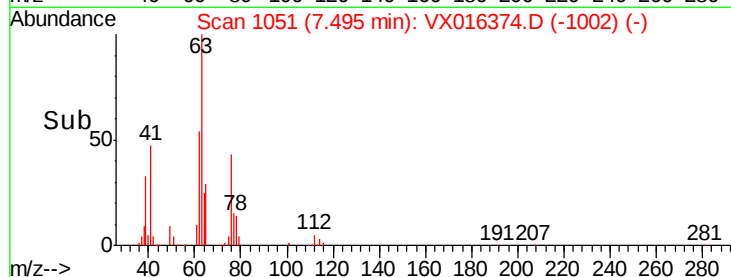
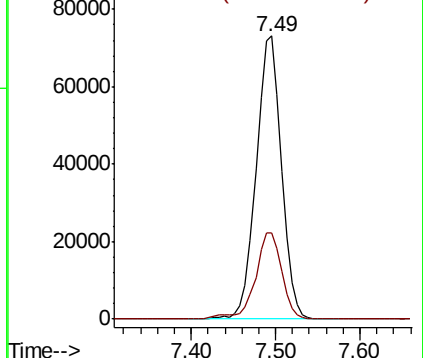
63 100

65 30.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.454 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

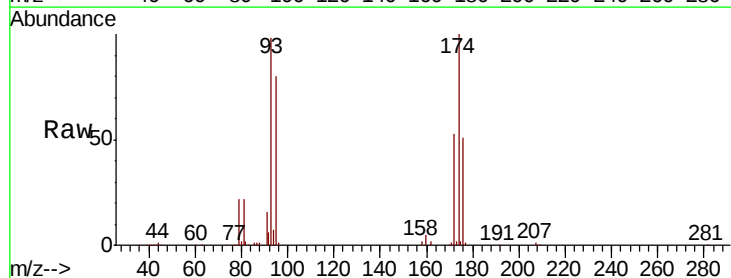
Tgt Ion: 93 Resp: 99008

Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

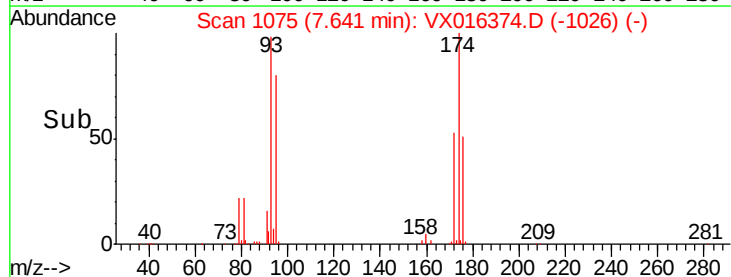
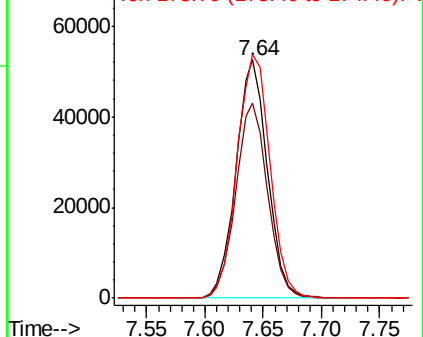
174 107.0 84.2 126.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.996 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

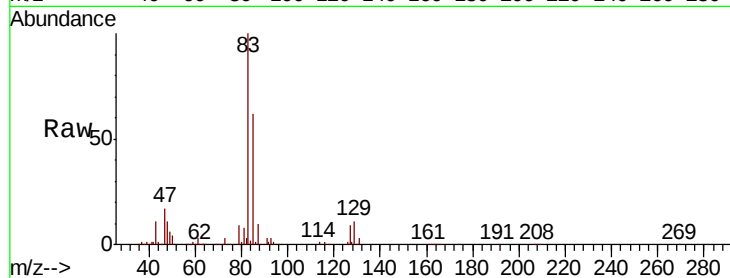
Tot Ion: 83 Resp: 208059

Ion Ratio Lower Upper

83 100

85 62.4 50.5 75.7

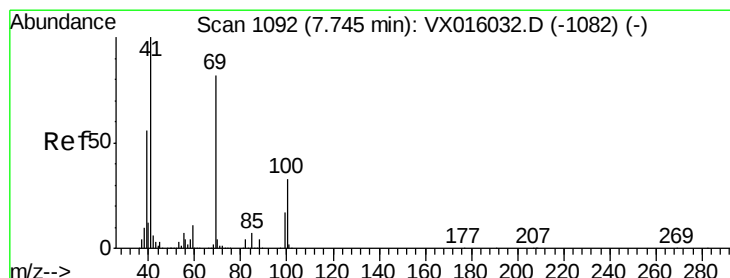
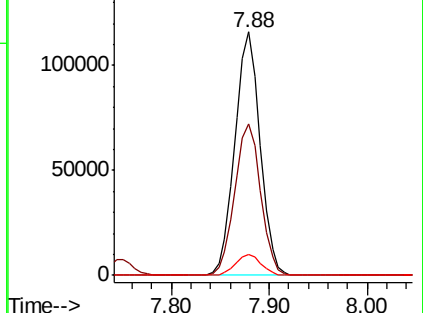
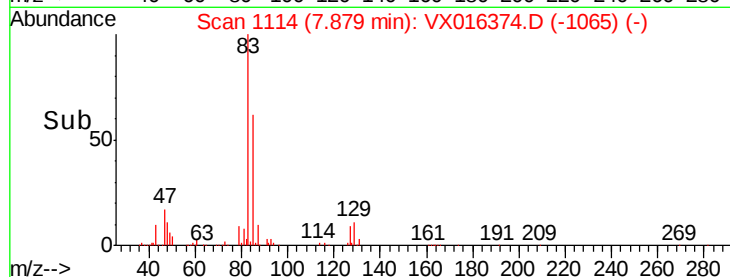
127 8.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.657 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

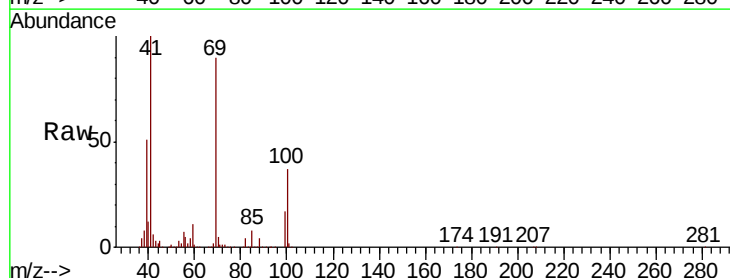
Tgt Ion: 41 Resp: 162479

Ion Ratio Lower Upper

41 100

69 93.1 67.8 101.6

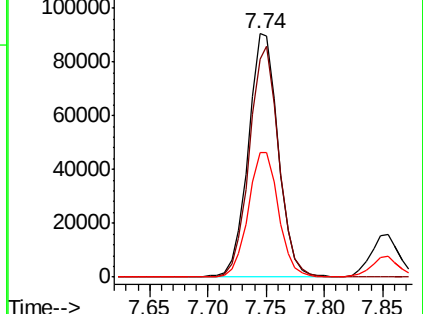
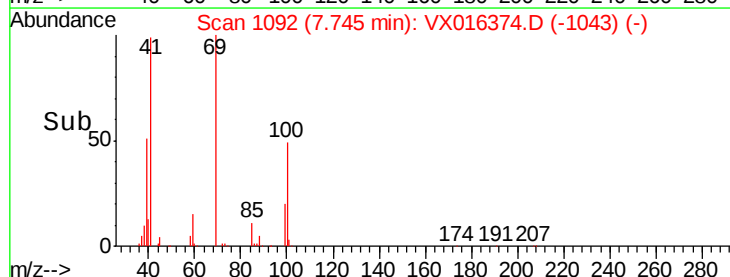
39 52.1 44.6 67.0

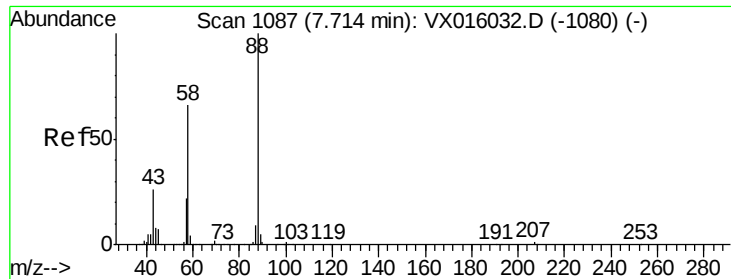


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 892.538 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :

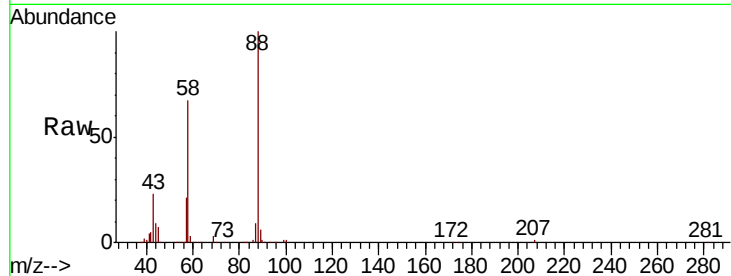
Tot Ion: 88 Resp: 76178

Ion Ratio Lower Upper

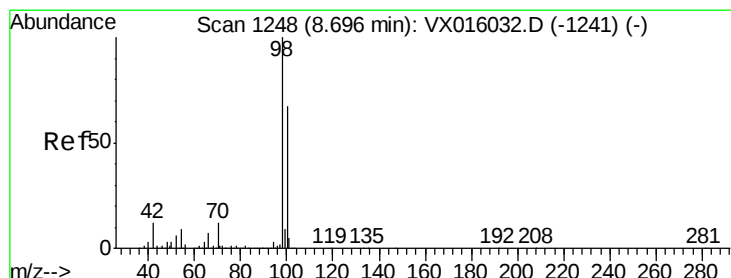
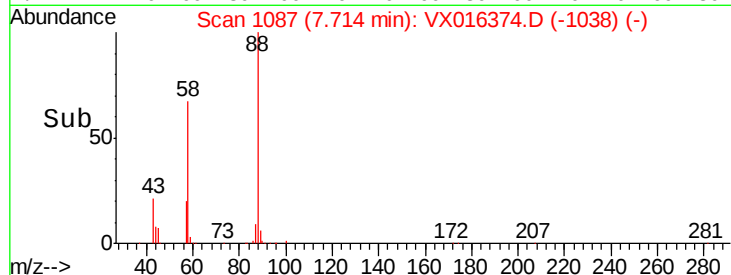
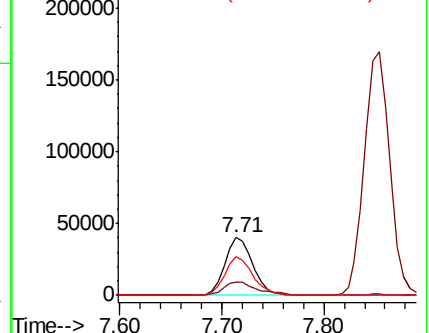
88 100

43 27.9 25.3 37.9

58 68.0 55.9 83.9



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



#50

Toluene-d8

Concen: 46.102 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016374.D

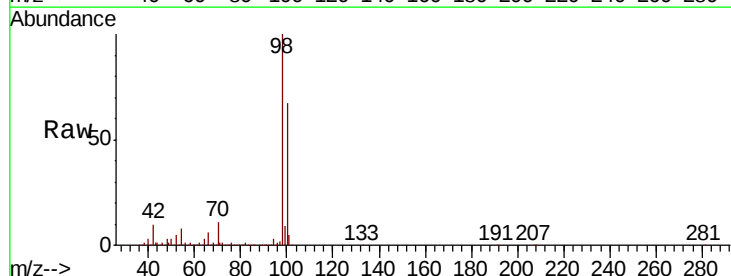
Acq: 20 May 2020 20:31

Tgt Ion: 98 Resp: 464301

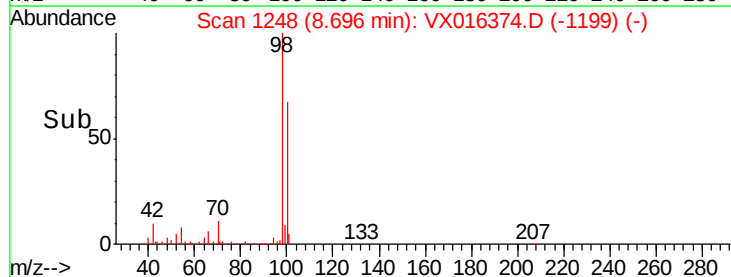
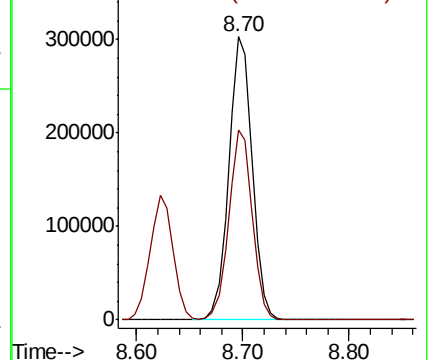
Ion Ratio Lower Upper

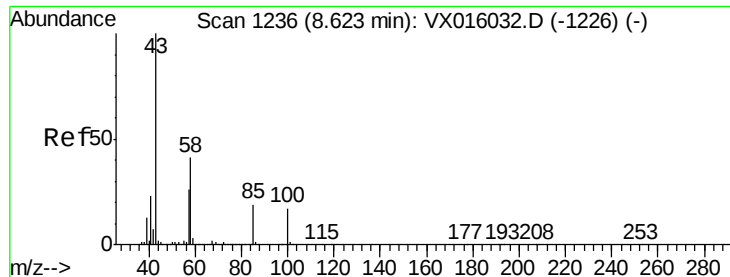
98 100

100 66.9 53.7 80.5



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





#51

4-Methyl-2-Pentanone

Concen: 233.309 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

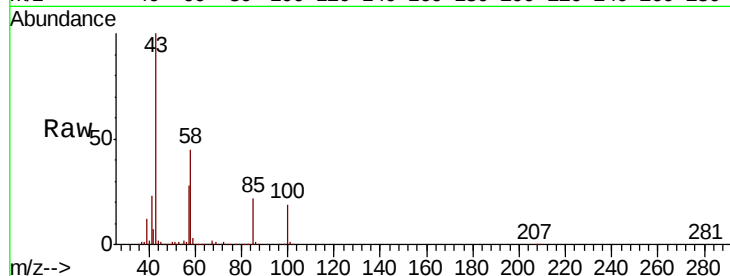
ClientSampleId :

Tot Ion: 43 Resp: 1072251

Ion Ratio Lower Upper

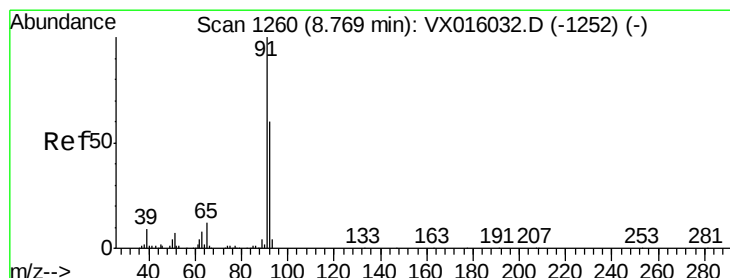
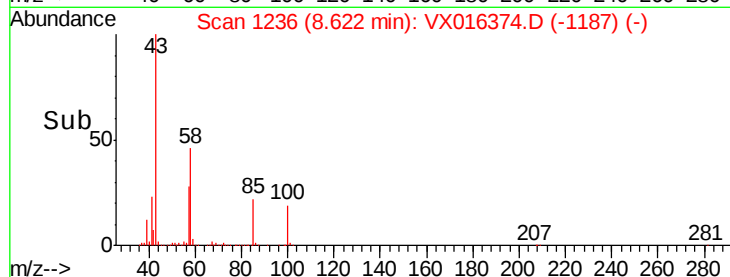
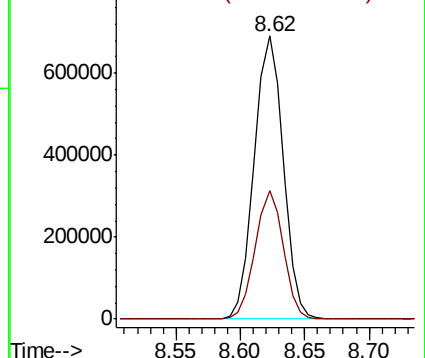
43 100

58 44.1 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.856 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016374.D

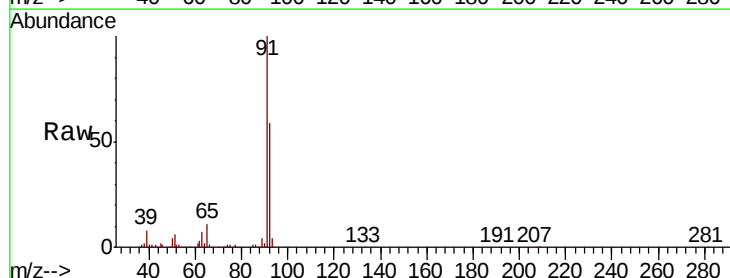
Acq: 20 May 2020 20:31

Tgt Ion: 92 Resp: 369271

Ion Ratio Lower Upper

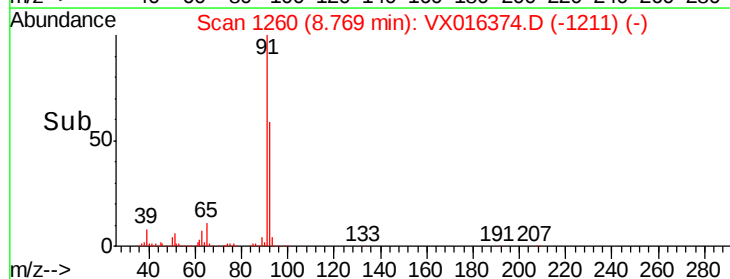
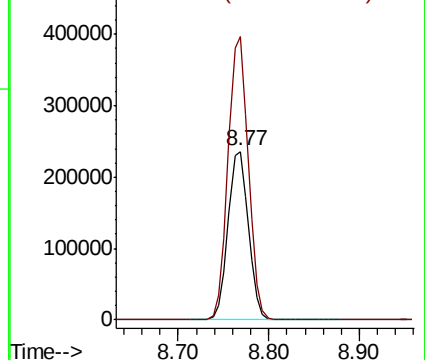
92 100

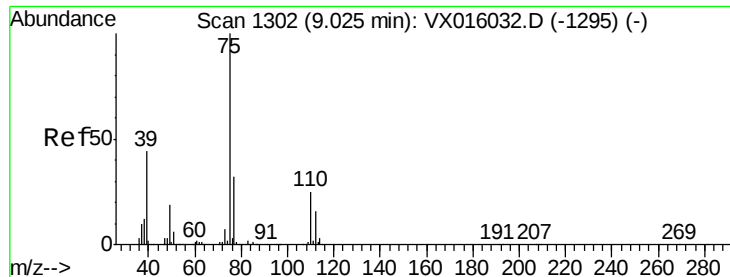
91 167.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 47.800 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

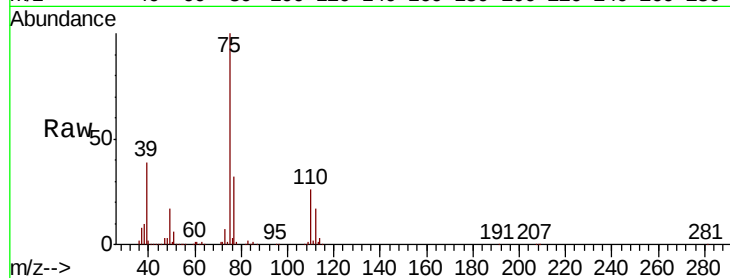
ClientSampleId :

Tot Ion: 75 Resp: 237173

Ion Ratio Lower Upper

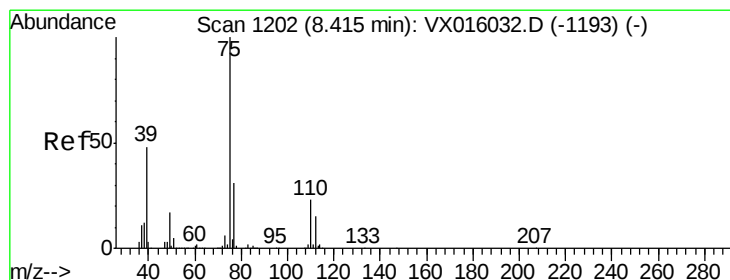
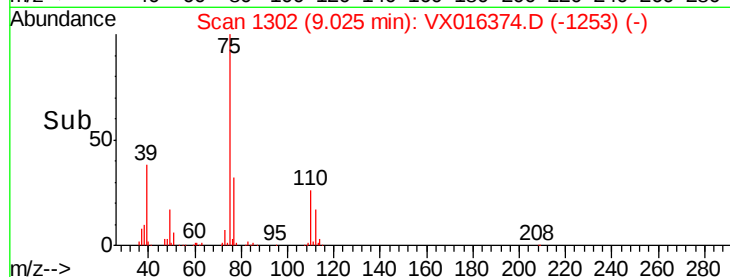
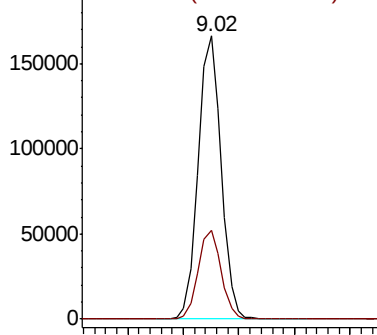
75 100

77 31.5 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 48.760 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

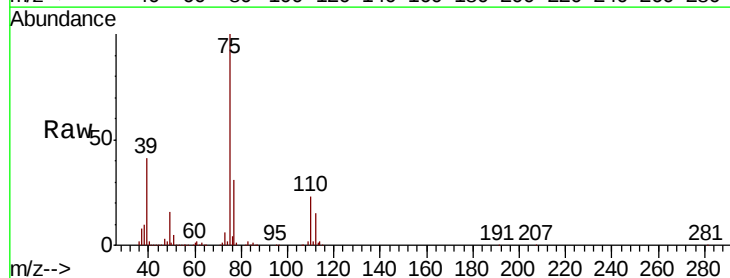
Tgt Ion: 75 Resp: 252707

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

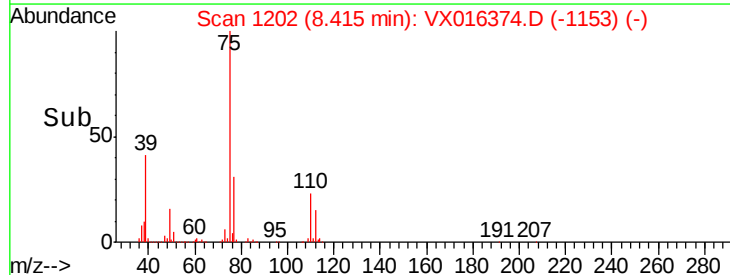
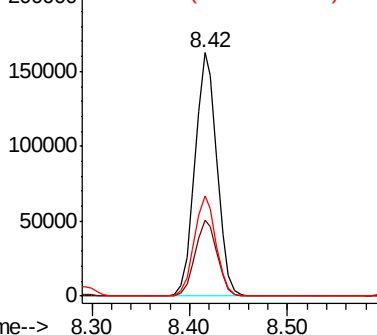
39 41.1 38.7 58.1

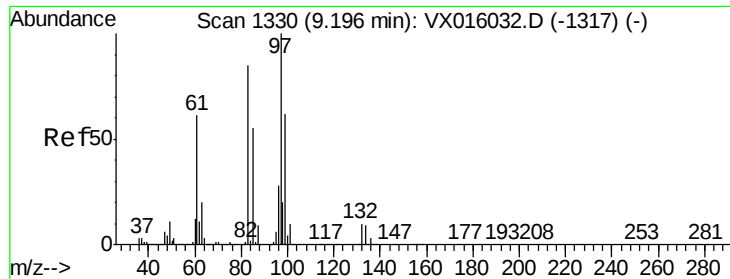


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 51.745 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 150790

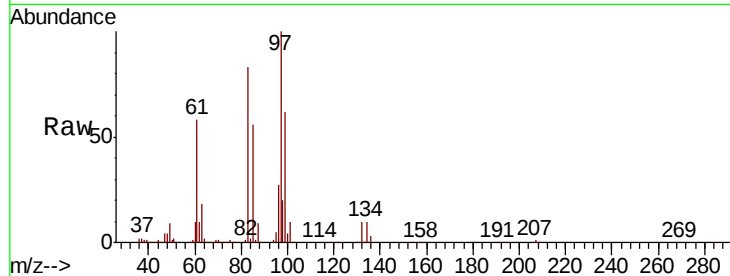
Ion Ratio Lower Upper

97 100

83 83.5 67.8 101.8

85 55.7 43.8 65.8

99 61.9 49.4 74.0

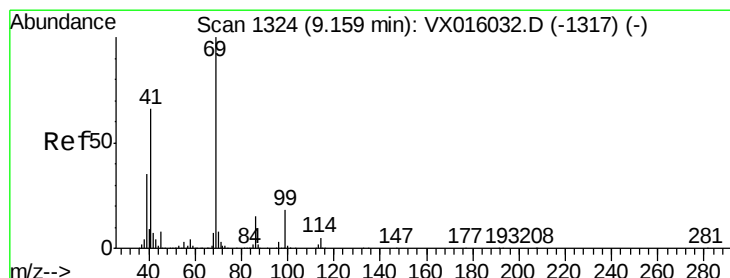
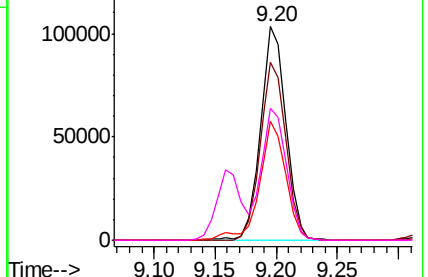
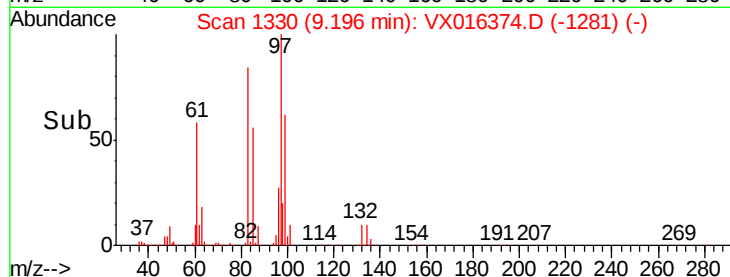


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.044 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

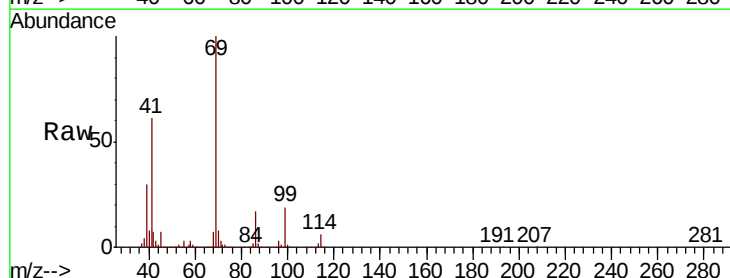
Tgt Ion: 69 Resp: 242804

Ion Ratio Lower Upper

69 100

41 59.7 52.2 78.4

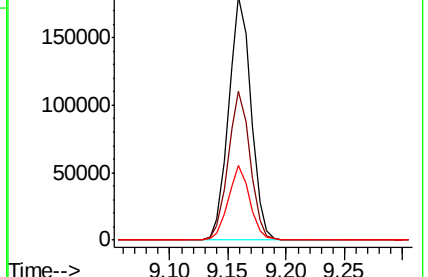
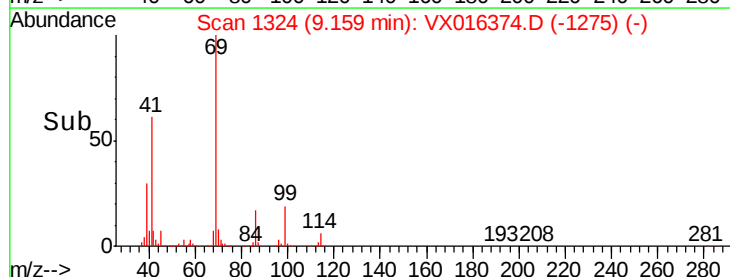
39 29.4 28.2 42.4

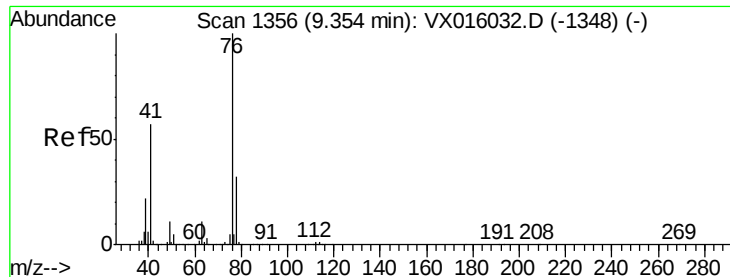


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.202 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

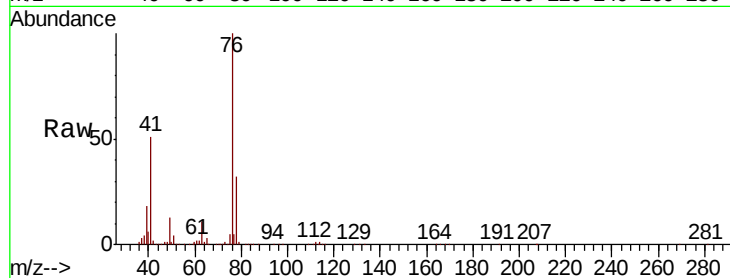
ClientSampleId :

Tot Ion: 76 Resp: 255269

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

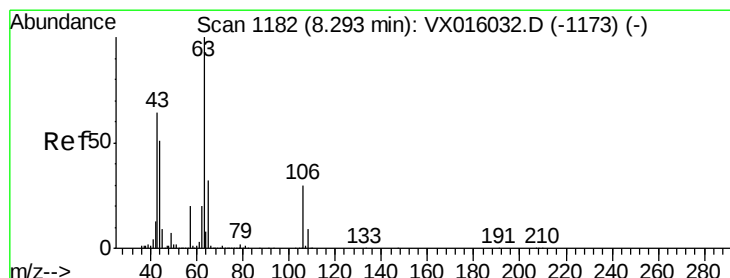
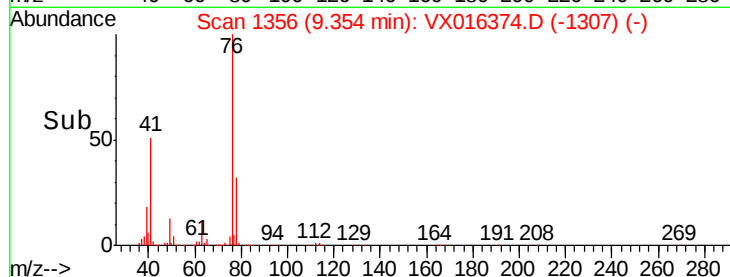
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 218.813 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016374.D

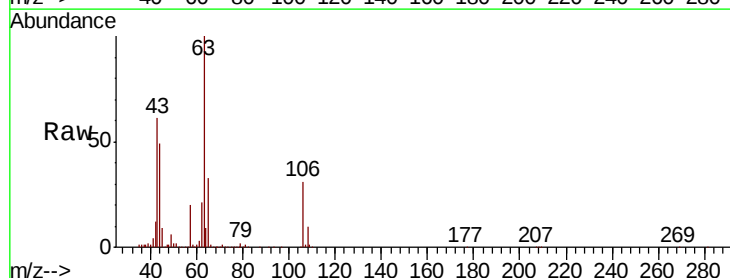
Acq: 20 May 2020 20:31

Tgt Ion: 63 Resp: 554114

Ion Ratio Lower Upper

63 100

106 30.6 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

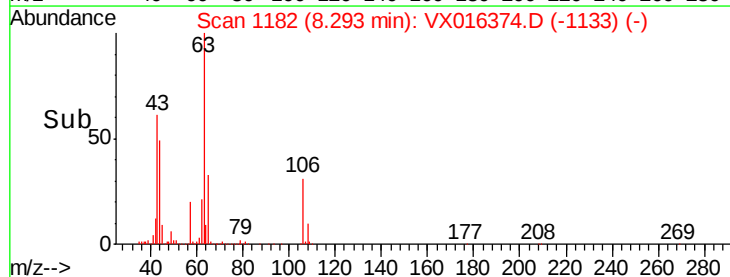
300000

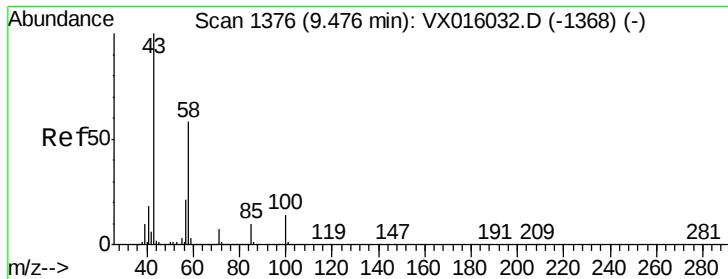
200000

100000

0

Time--> 8.20 8.25 8.30 8.35 8.40

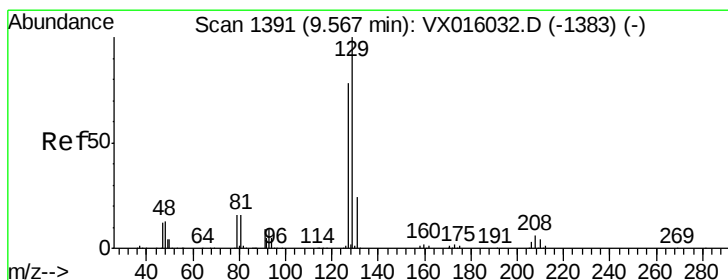
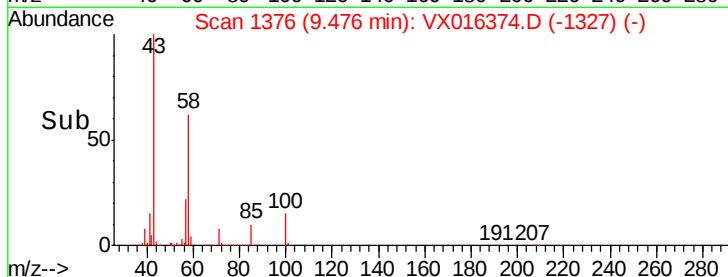
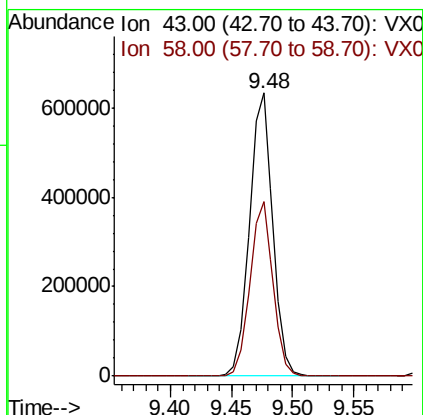
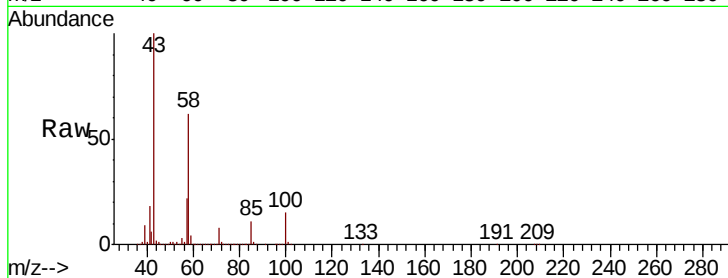




#59
2-Hexanone
Concen: 232.557 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

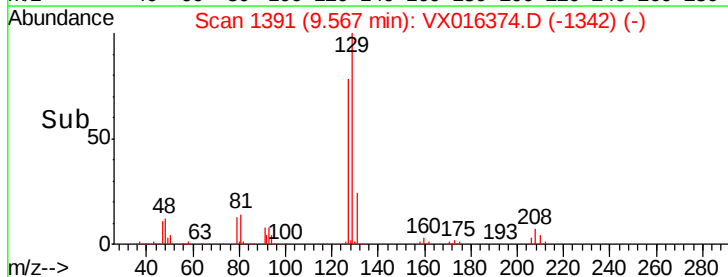
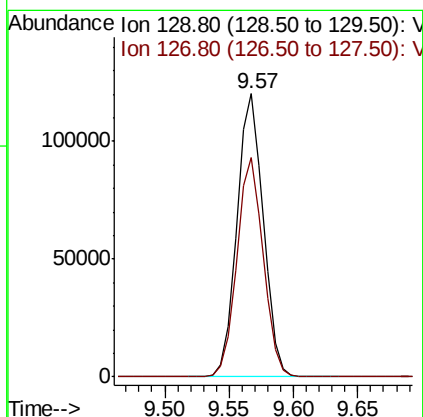
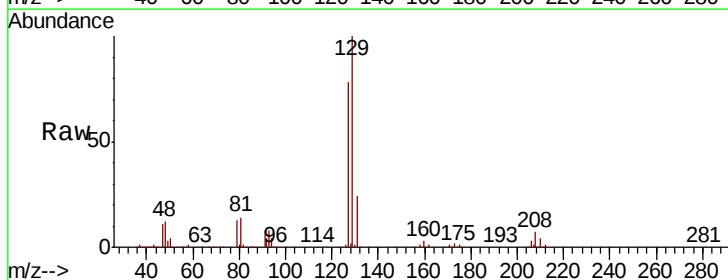
Instrument :
MSVOA_X
ClientSampleId :

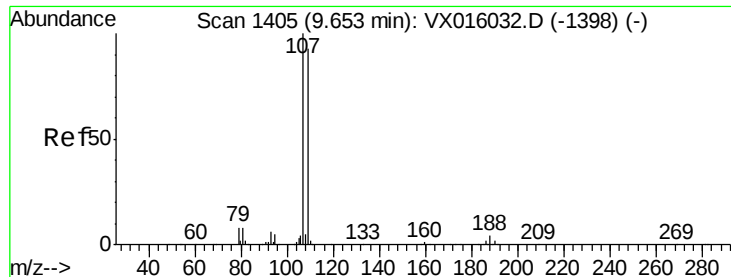
Tot Ion: 43 Resp: 839350
Ion Ratio Lower Upper
43 100
58 61.1 28.6 85.9



#60
Dibromochloromethane
Concen: 53.119 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 129 Resp: 170484
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.240 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

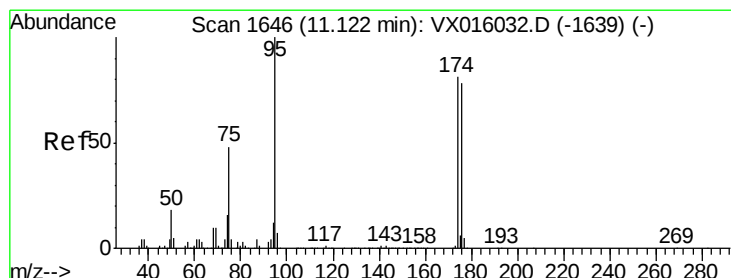
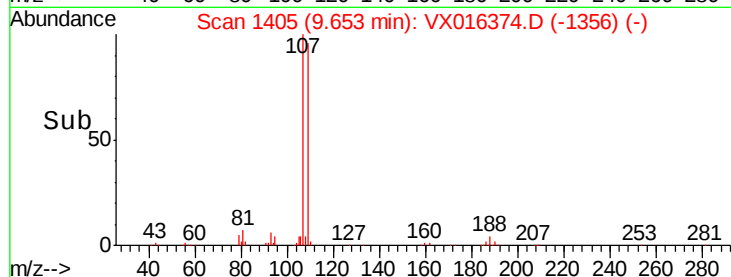
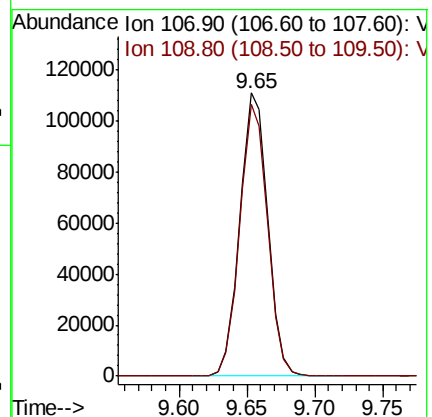
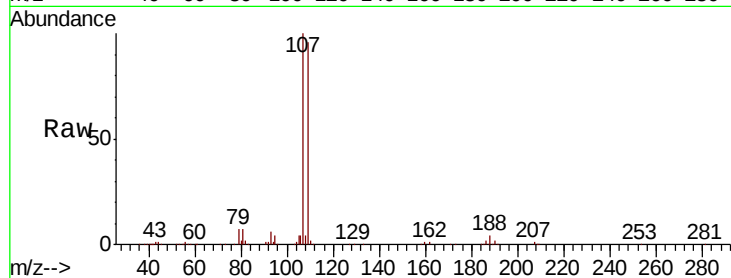
ClientSampleId :

Tot Ion:107 Resp: 158583

Ion Ratio Lower Upper

107 100

109 95.4 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 47.254 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

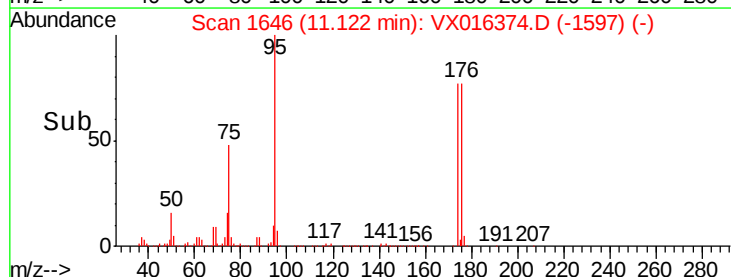
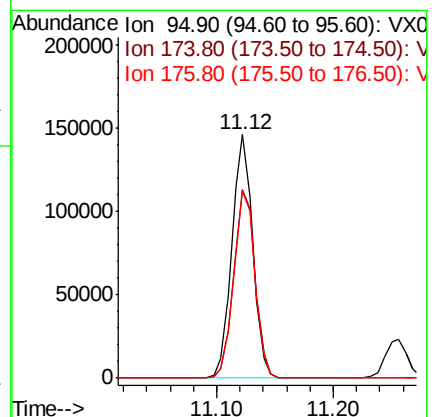
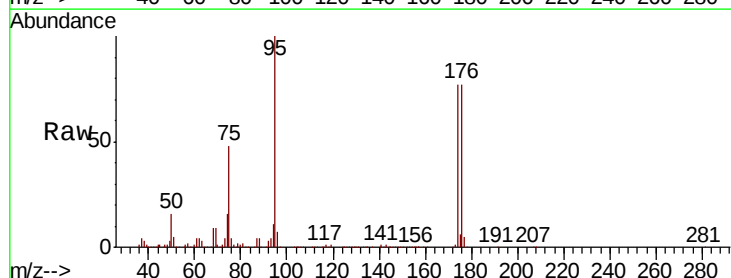
Tgt Ion: 95 Resp: 181012

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.4

176 78.5 0.0 157.6

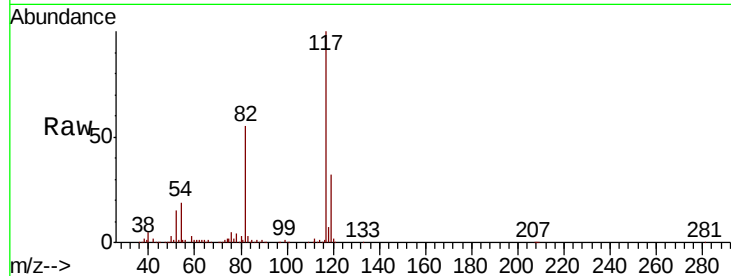




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.4	66.6
119	32.1	25.5	38.3

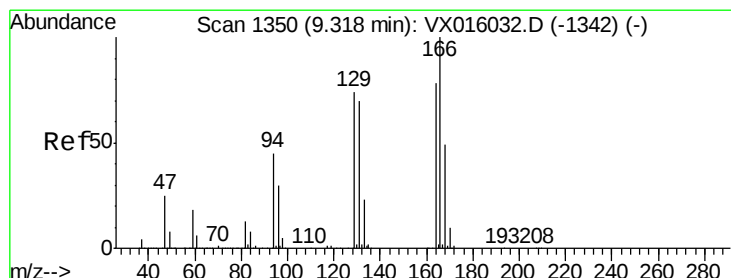
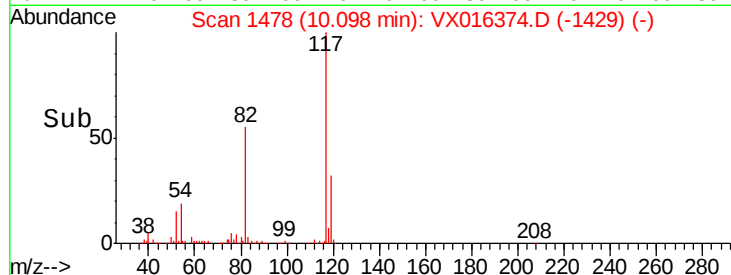
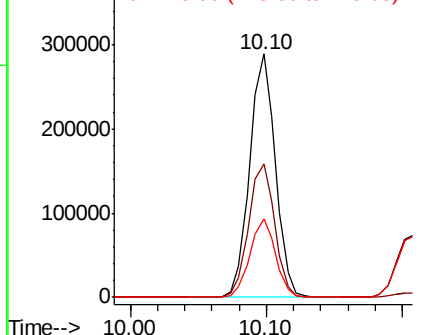


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 37.274 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.9	154.3
129	94.5	76.1	114.1
131	93.0	71.9	107.9

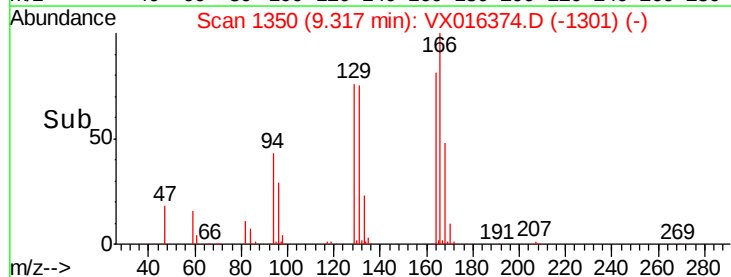
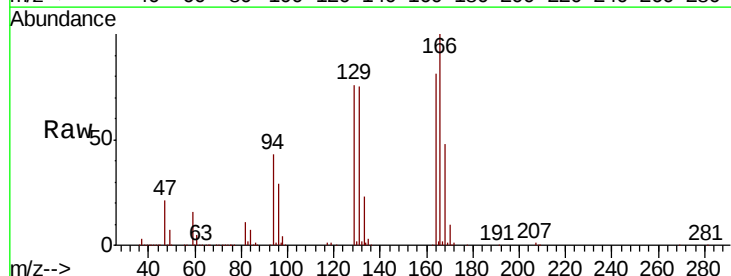
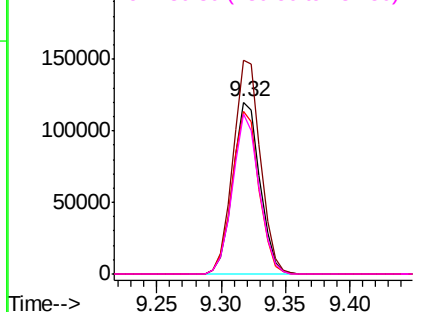
Abundance

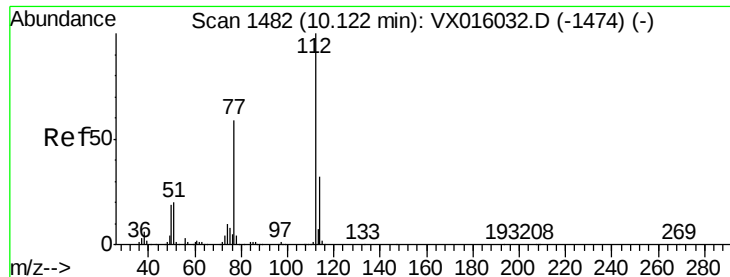
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

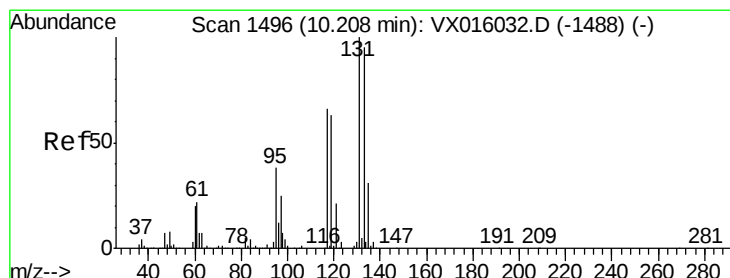
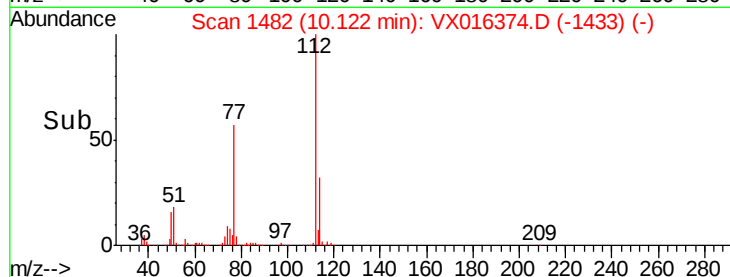
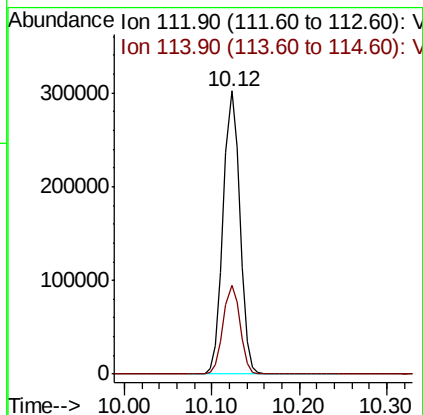
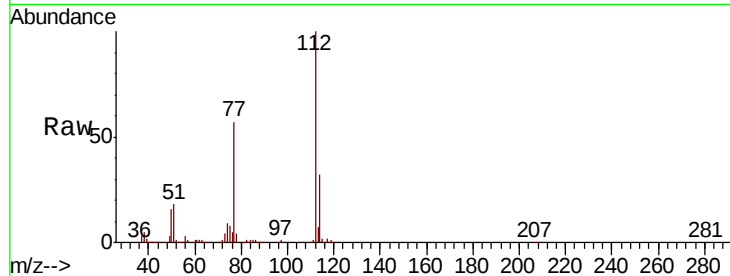




#65
Chlorobenzene
Concen: 49.536 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

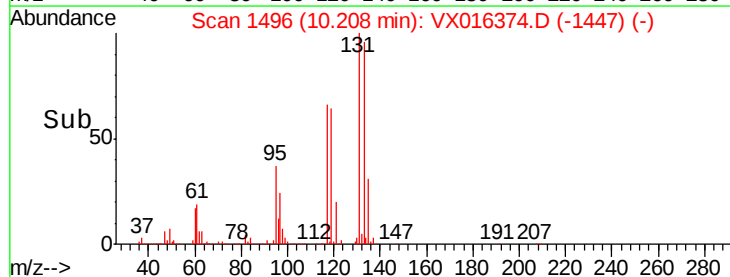
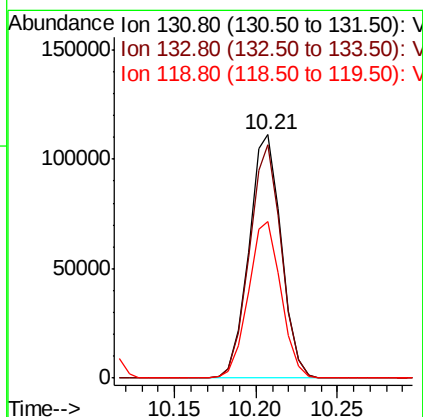
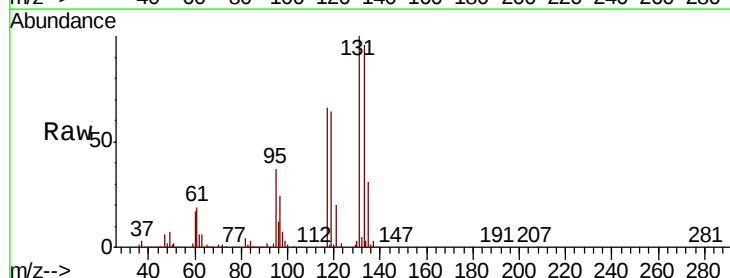
Instrument :
MSVOA_X
ClientSampleId :

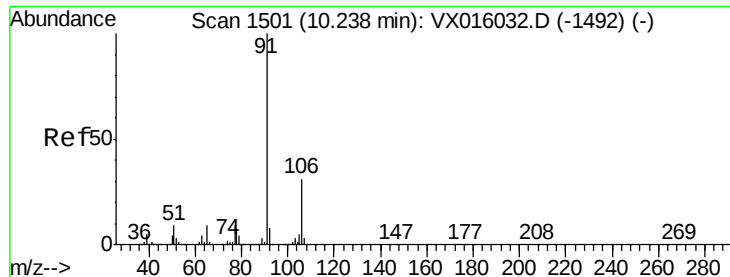
Tot Ion:112 Resp: 398325
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.646 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion:131 Resp: 153496
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 64.5 32.3 96.9





#67

Ethyl Benzene

Concen: 47.435 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

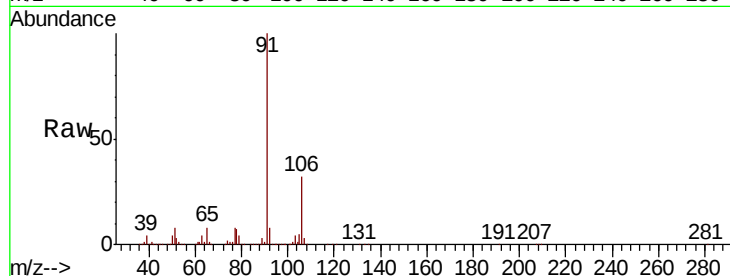
ClientSampled :

Tot Ion: 91 Resp: 680562

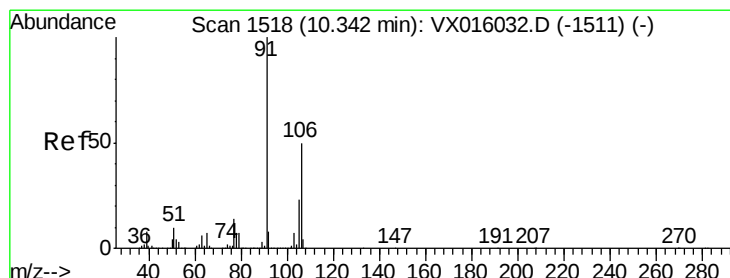
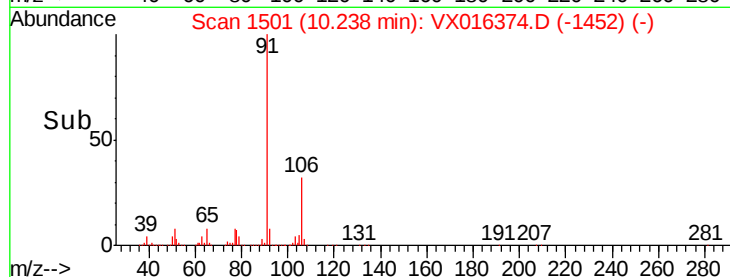
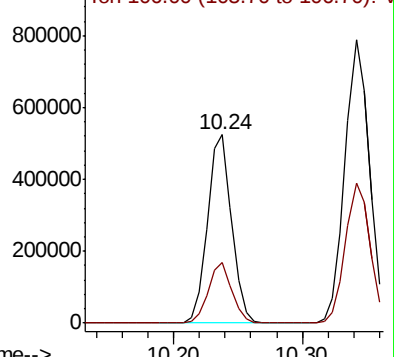
Ion Ratio Lower Upper

91 100

106 32.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016374.D (-1452) (-)



#68

m/p-Xylenes

Concen: 95.844 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016374.D

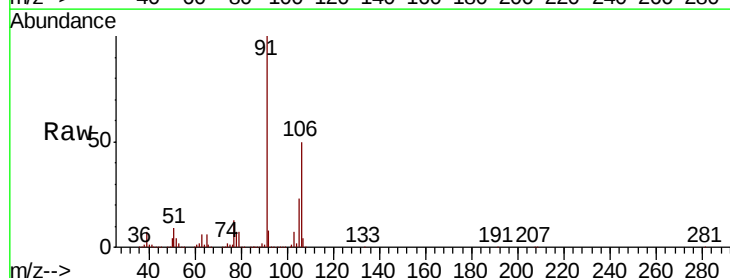
Acq: 20 May 2020 20:31

Tgt Ion: 106 Resp: 515200

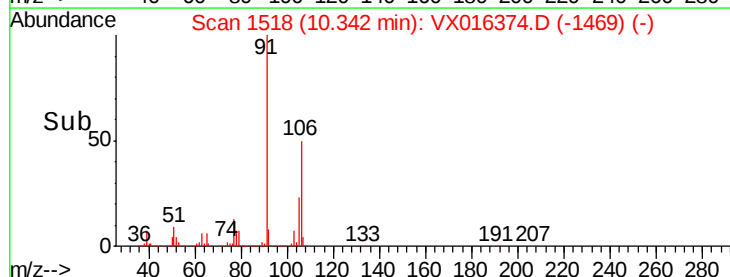
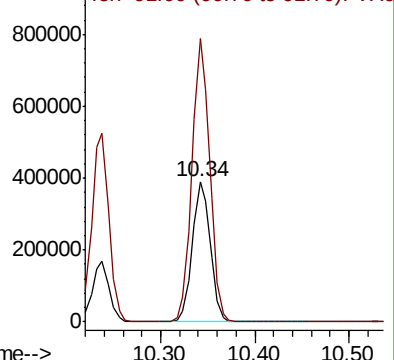
Ion Ratio Lower Upper

106 100

91 199.6 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016374.D (-1469) (-)

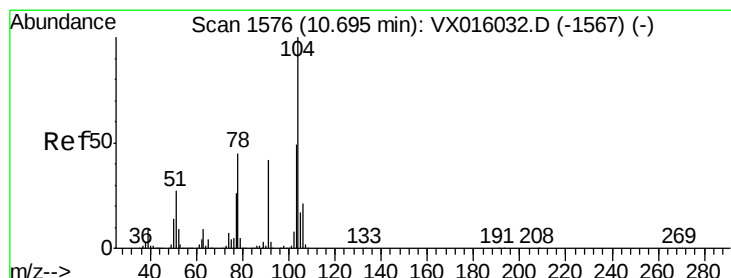
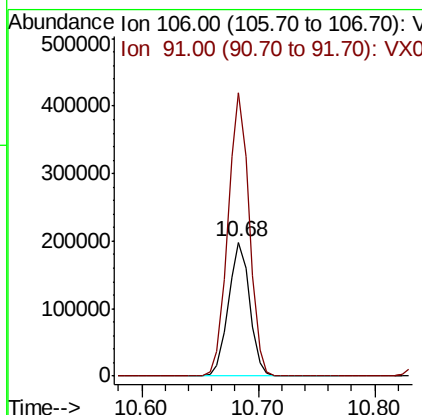
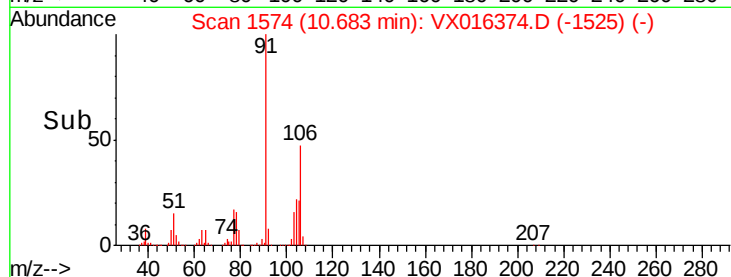
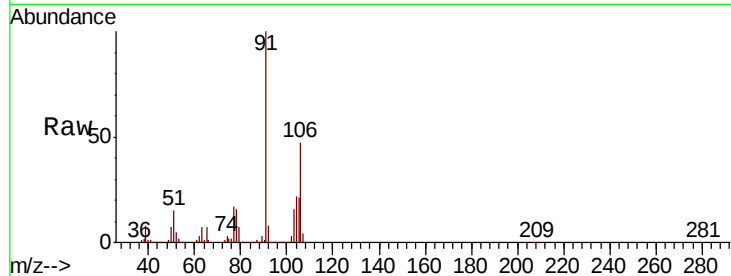




#69
o-Xylene
Concen: 48.682 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

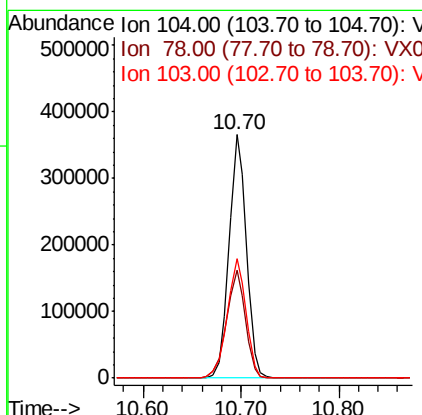
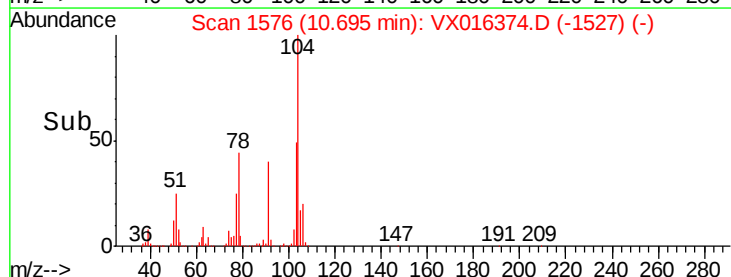
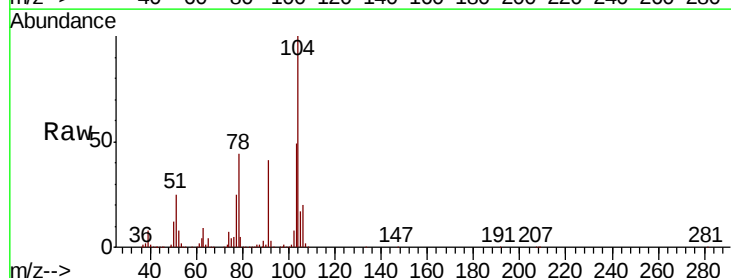
Instrument :
MSVOA_X
ClientSampled :

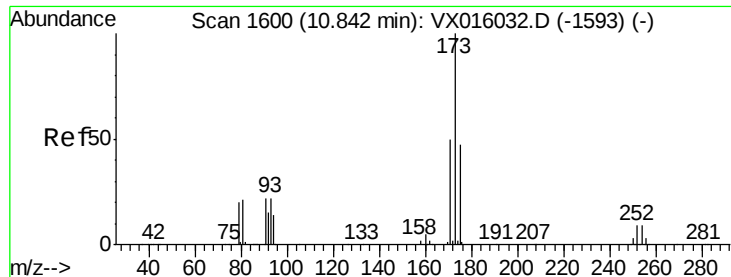
Tot Ion:106 Resp: 251539
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.6



#70
Styrene
Concen: 51.281 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion:104 Resp: 449523
Ion Ratio Lower Upper
104 100
78 48.6 40.2 60.2
103 53.3 43.0 64.6





#71

Bromoform

Concen: 53.589 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

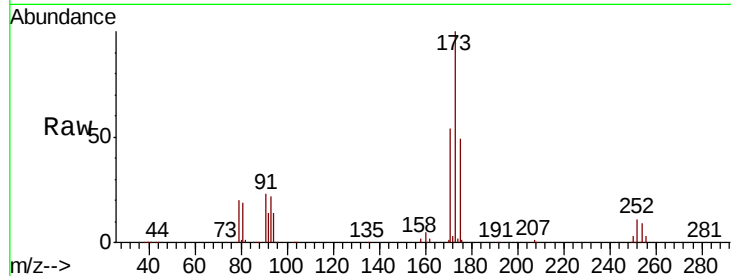
Tot Ion:173 Resp: 129762

Ion Ratio Lower Upper

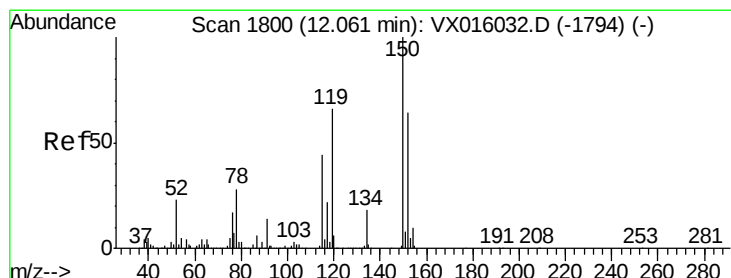
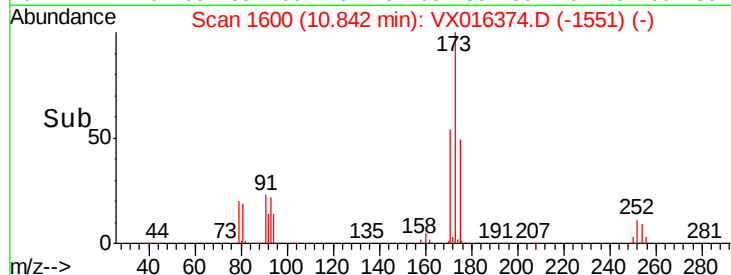
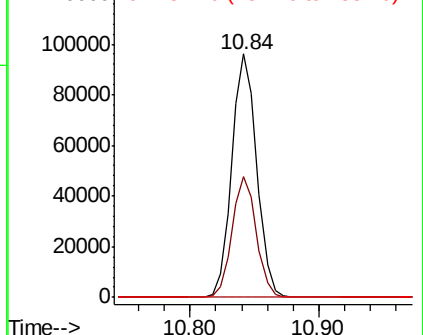
173 100

175 48.4 24.0 72.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

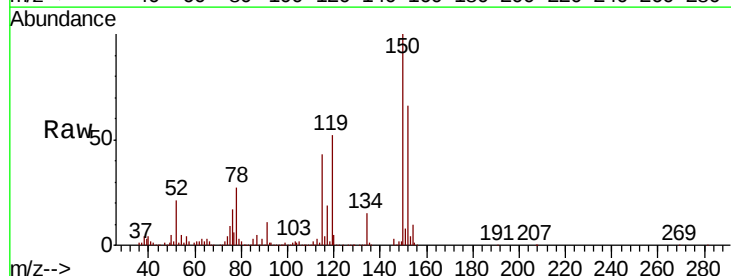
Tgt Ion:152 Resp: 186117

Ion Ratio Lower Upper

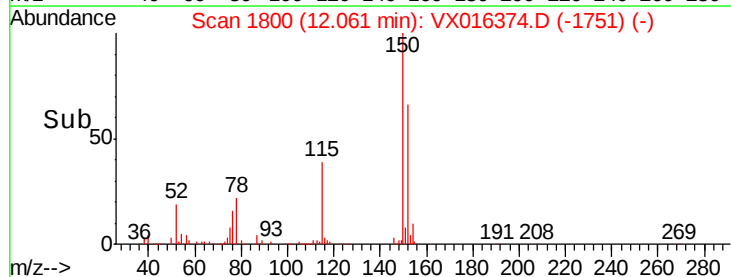
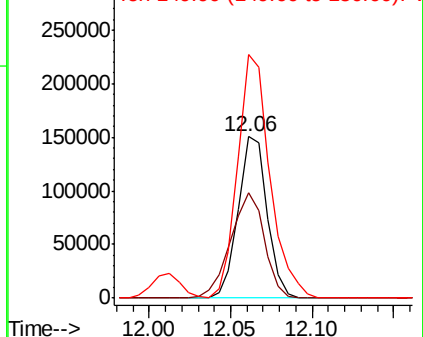
152 100

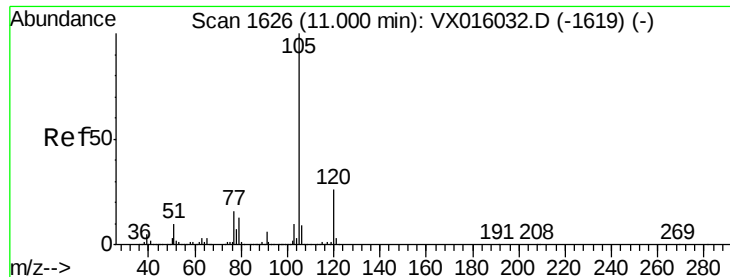
115 75.7 41.3 124.1

150 168.7 0.0 352.2



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: 45.454 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

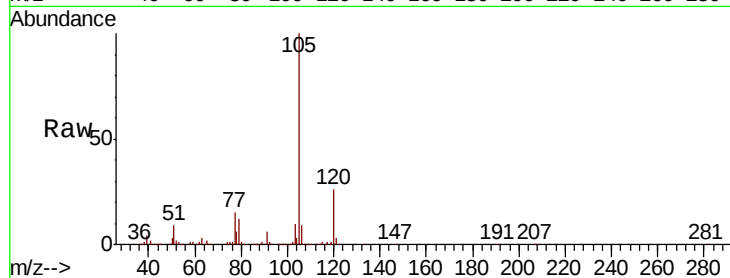
ClientSampleId :

Tot Ion: 105 Resp: 615311

Ion Ratio Lower Upper

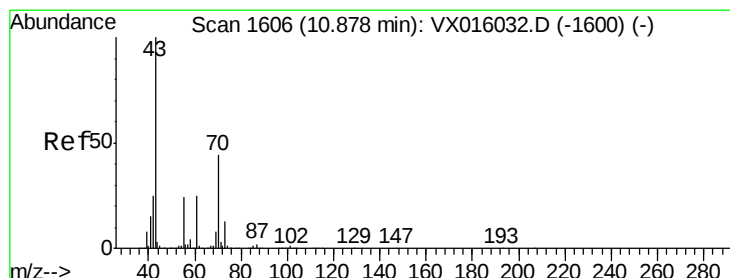
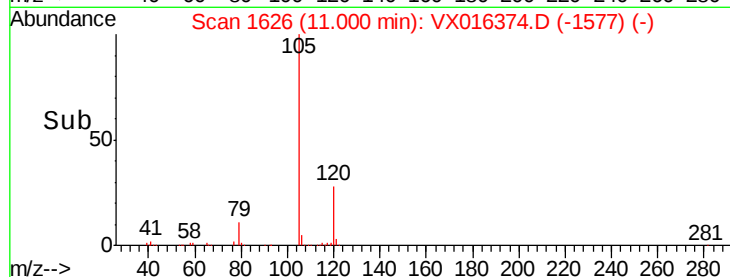
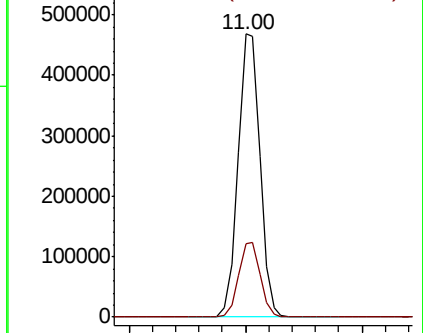
105 100

120 26.2 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: 46.459 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Tgt Ion: 43 Resp: 293354

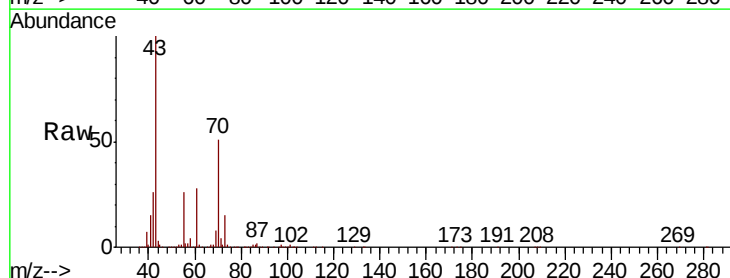
Ion Ratio Lower Upper

43 100

70 49.3 36.5 54.7

55 26.6 19.7 29.5

61 27.5 20.9 31.3

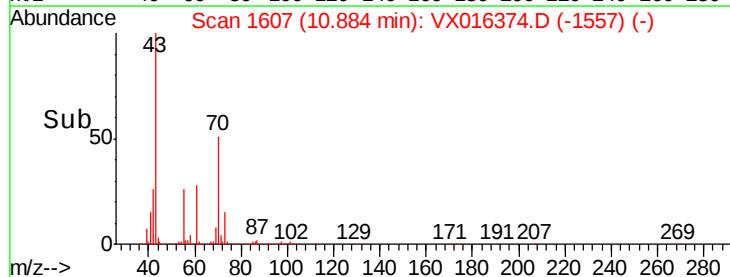
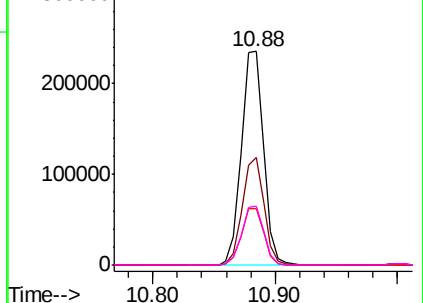


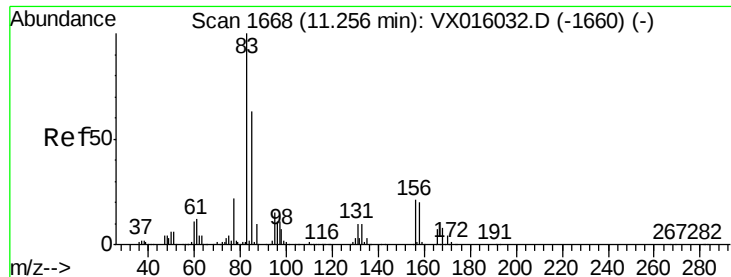
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 70.526 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

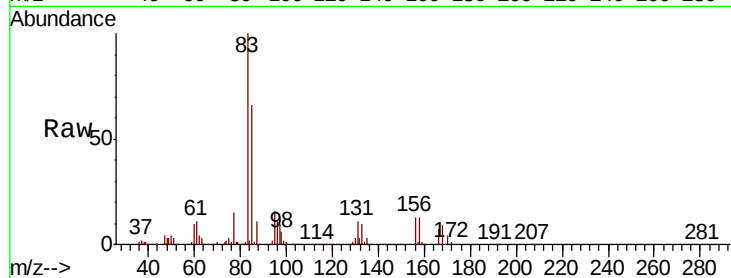
Tot Ion: 83 Resp: 197085

Ion Ratio Lower Upper

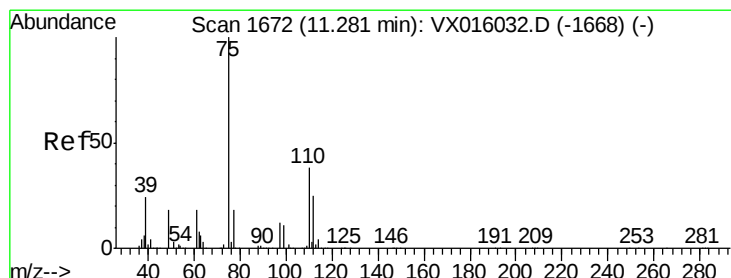
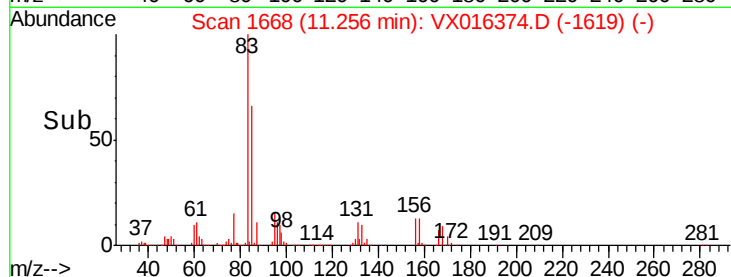
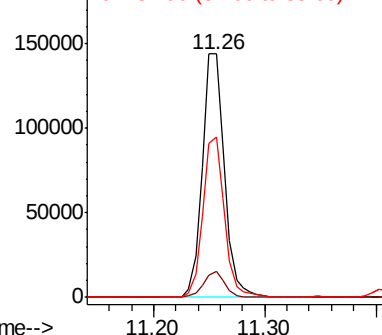
83 100

131 10.2 5.1 15.4

85 64.2 32.0 96.0



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: 67.137 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016374.D

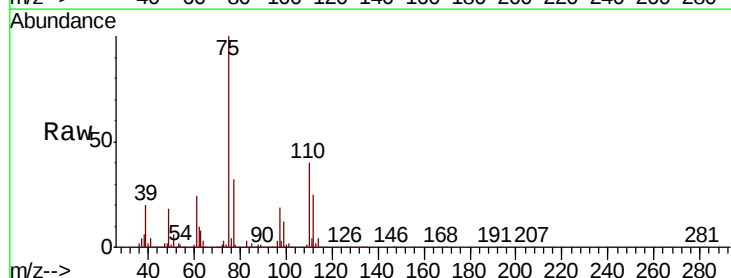
Acq: 20 May 2020 20:31

Tgt Ion: 75 Resp: 283550

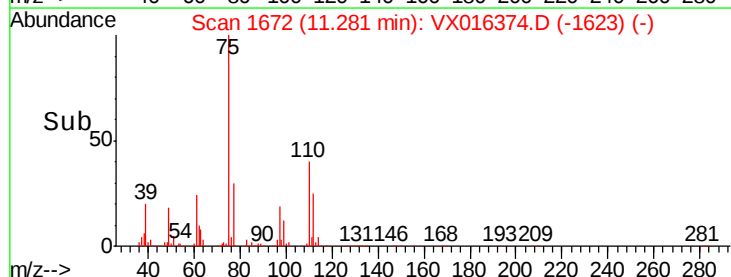
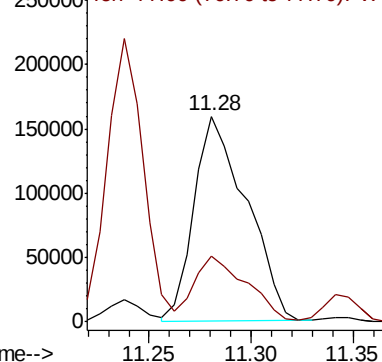
Ion Ratio Lower Upper

75 100

77 32.2 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.686 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

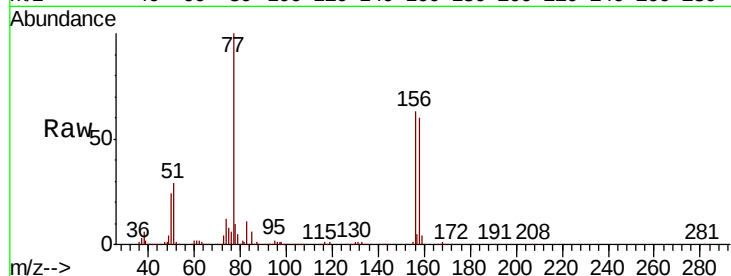
Tot Ion:156 Resp: 170114

Ion Ratio Lower Upper

156 100

77 160.0 80.1 240.3

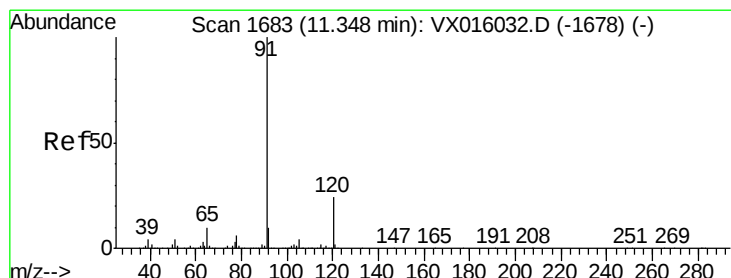
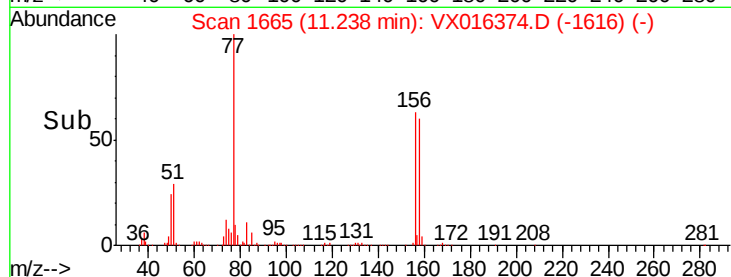
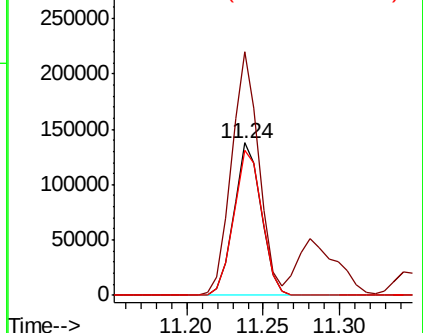
158 98.0 49.4 148.2



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: 43.004 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016374.D

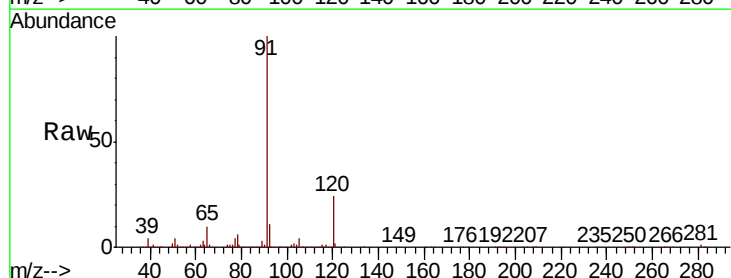
Acq: 20 May 2020 20:31

Tgt Ion: 91 Resp: 677246

Ion Ratio Lower Upper

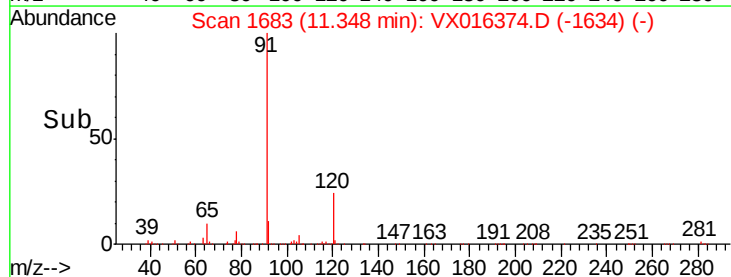
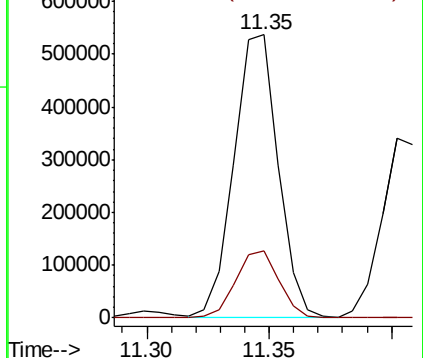
91 100

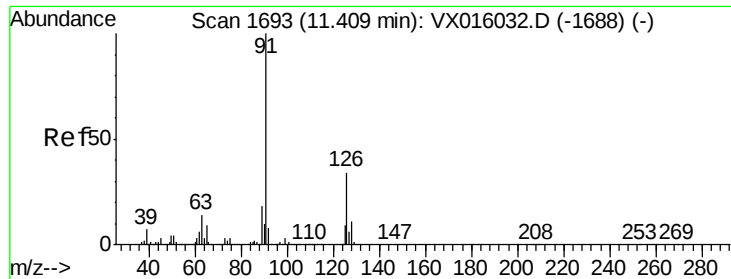
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

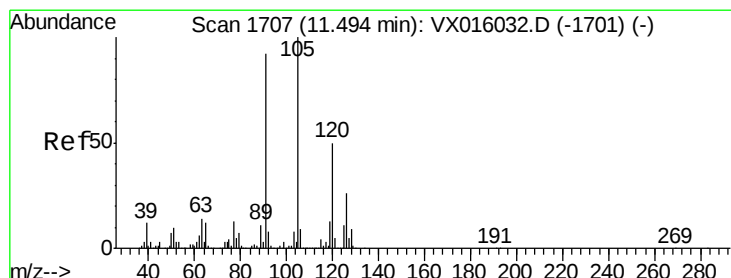
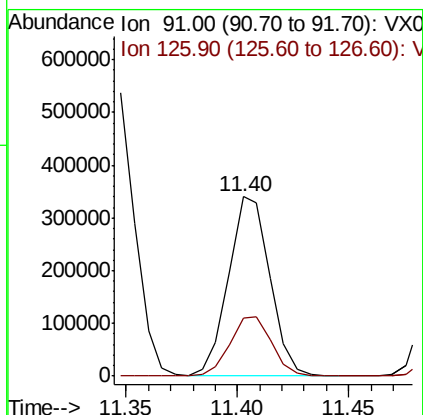
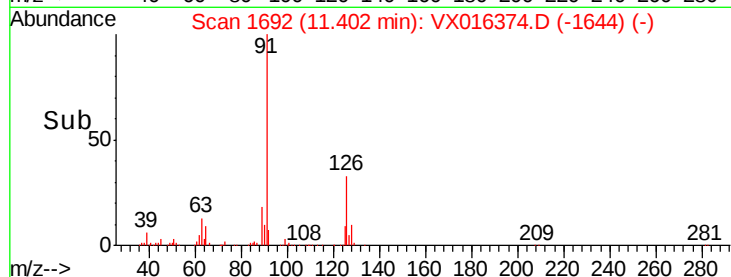
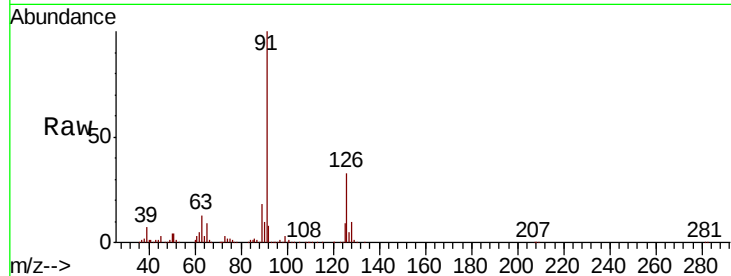




#79
 2-Chlorotoluene
 Concen: 47.437 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

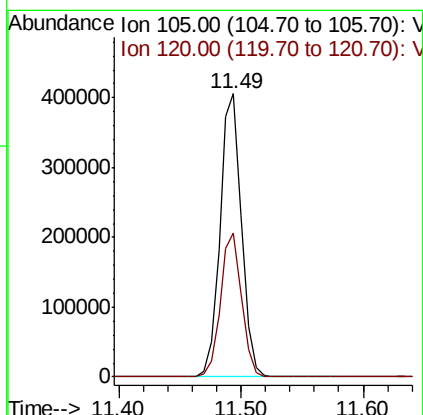
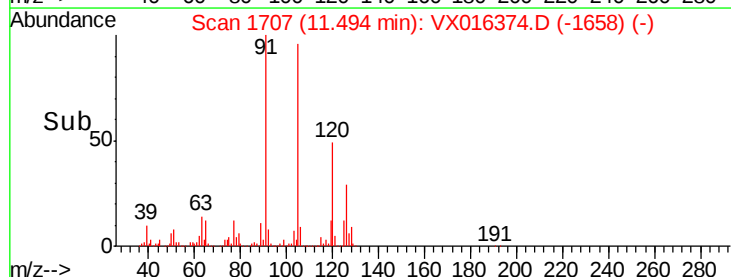
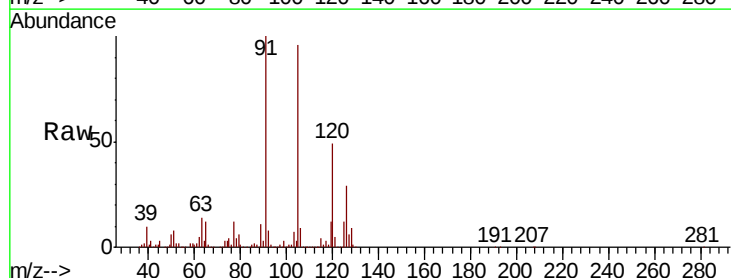
Instrument :
 MSVOA_X
 ClientSampleId :

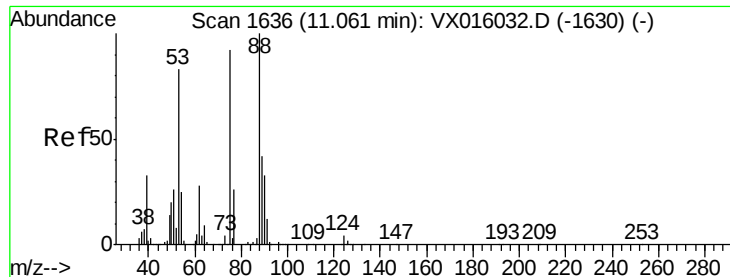
Tot Ion: 91 Resp: 440962
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 42.961 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion: 105 Resp: 491032
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.374 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

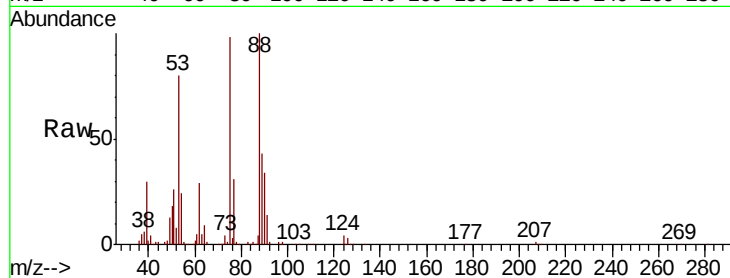
Tot Ion: 75 Resp: 85731

Ion Ratio Lower Upper

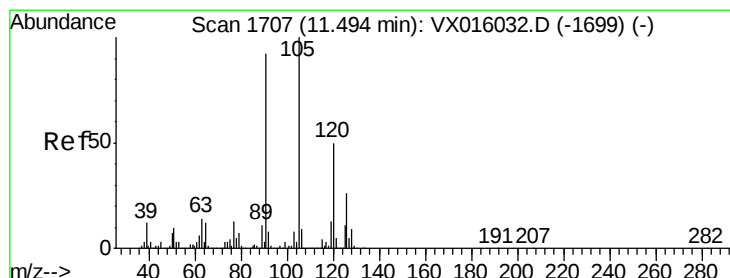
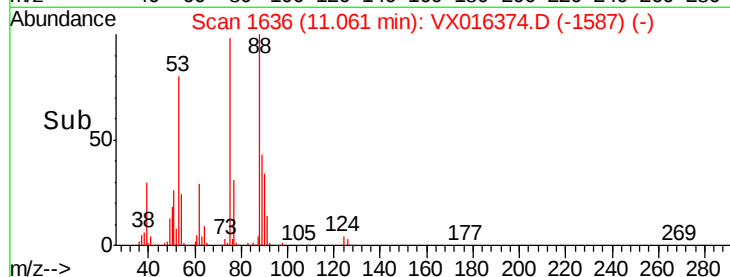
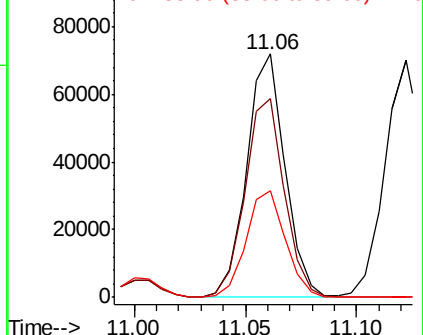
75 100

53 84.3 73.1 109.7

89 45.1 36.7 55.1



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



#82

4-Chlorotoluene

Concen: 47.085 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016374.D

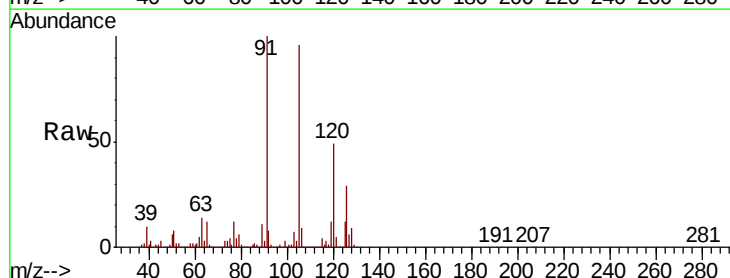
Acq: 20 May 2020 20:31

Tgt Ion: 91 Resp: 516860

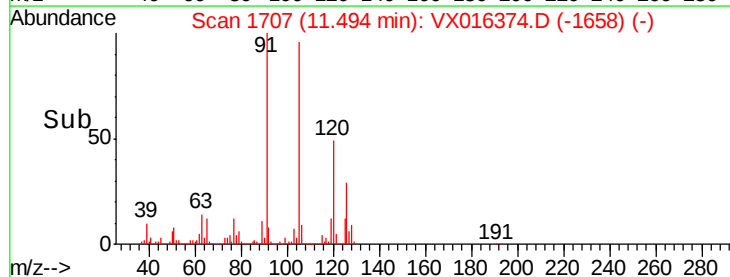
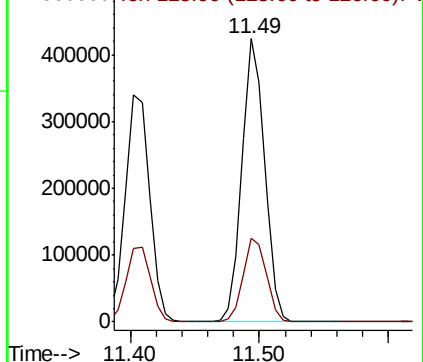
Ion Ratio Lower Upper

91 100

126 30.2 14.8 44.3



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

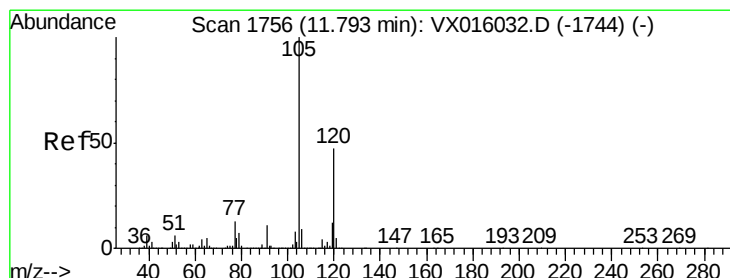
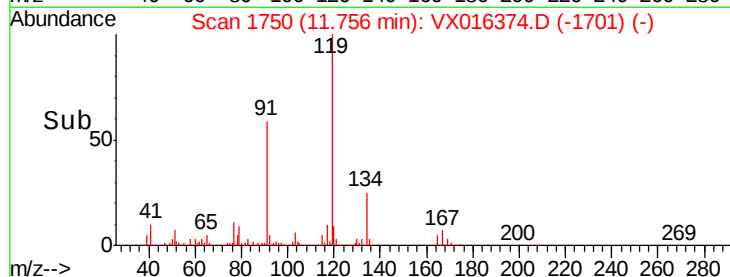
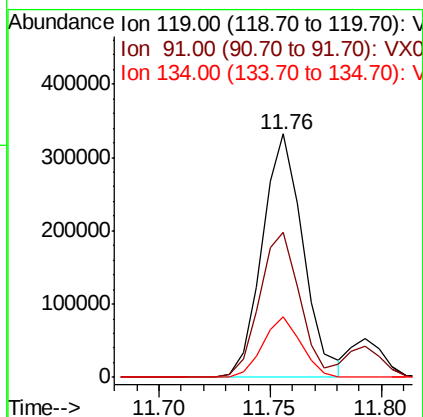
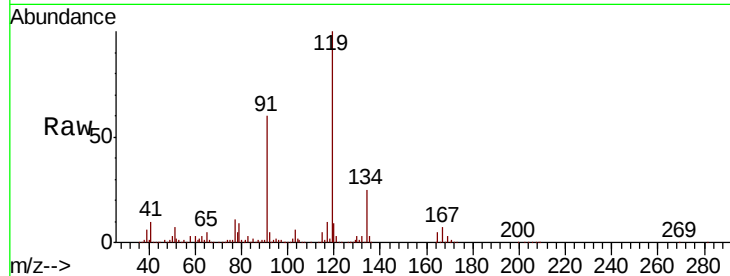




#83
tert-Butylbenzene
Concen: 42.882 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

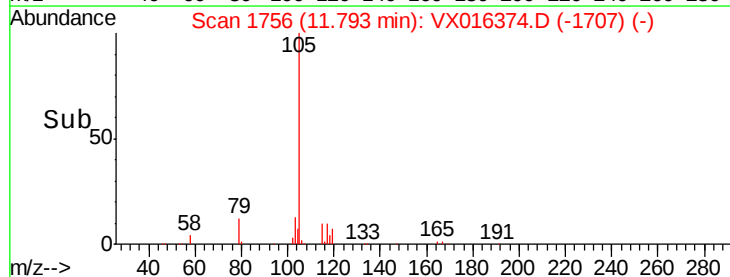
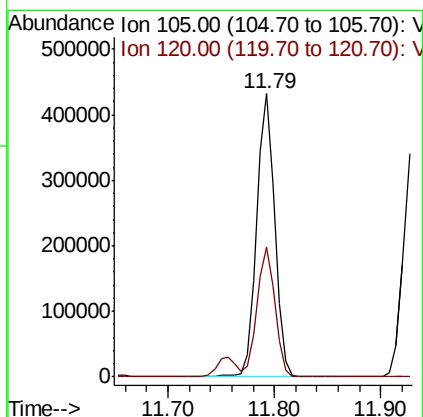
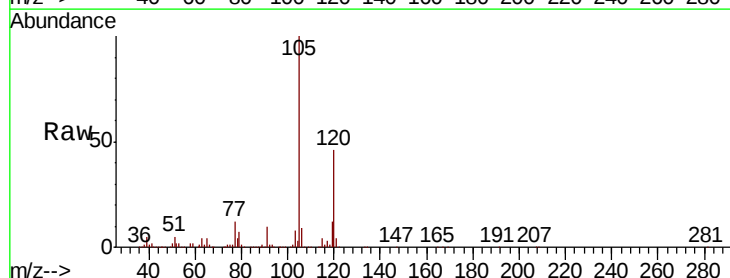
Instrument :
MSVOA_X
ClientSampled :

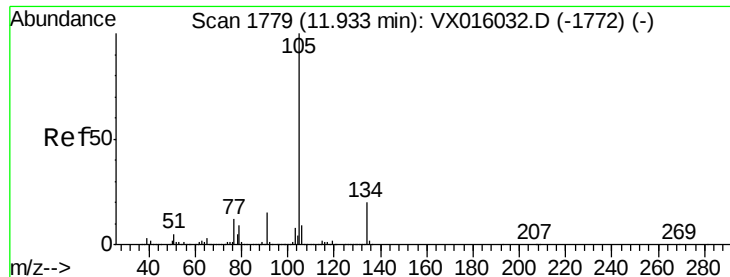
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	32.8	98.4
134	23.4	12.4	37.0



#84
1,2,4-Trimethylbenzene
Concen: 44.529 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 35.108 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

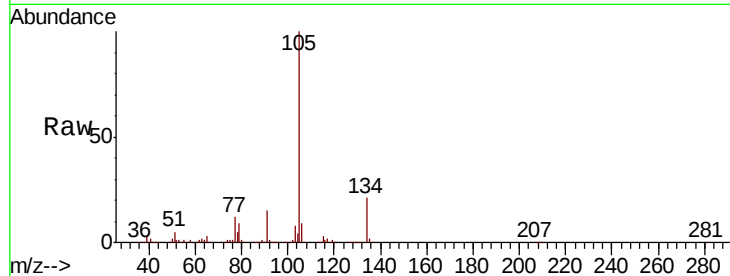
ClientSampleId :

Tot Ion:105 Resp: 466923

Ion Ratio Lower Upper

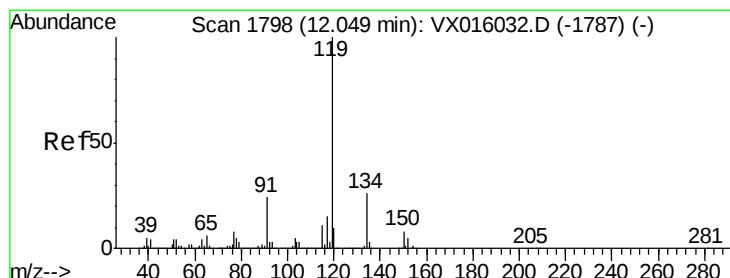
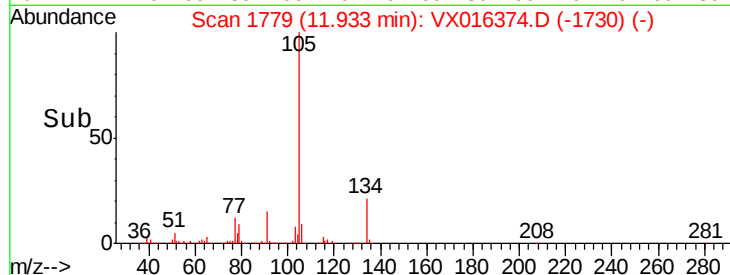
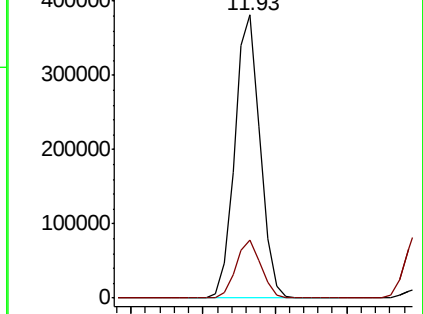
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 35.950 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

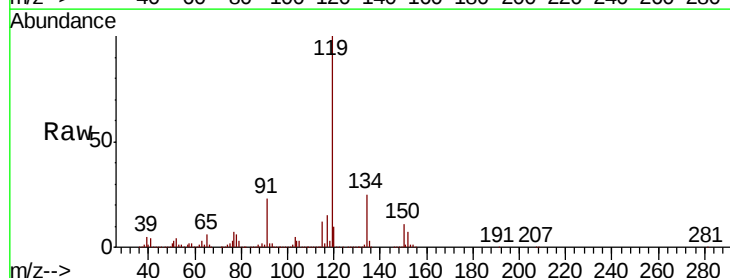
Tgt Ion:119 Resp: 443911

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

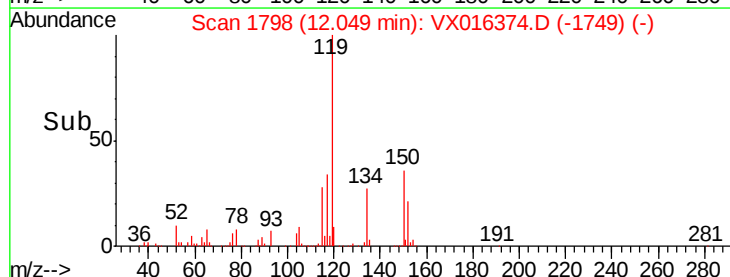
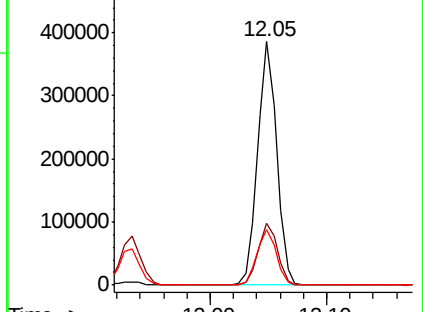
91 23.2 11.8 35.4

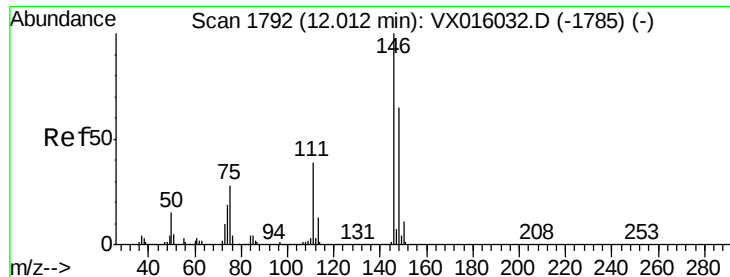


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 46.223 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016374.D

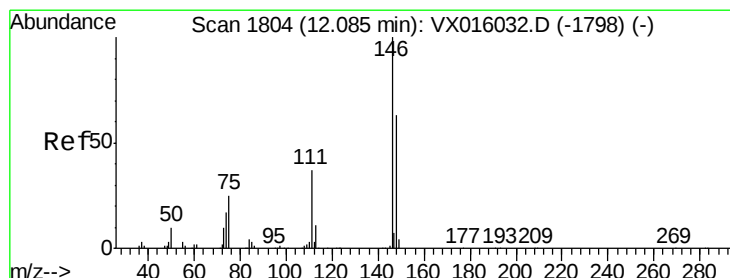
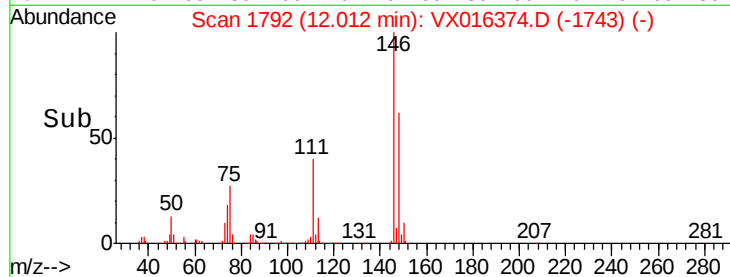
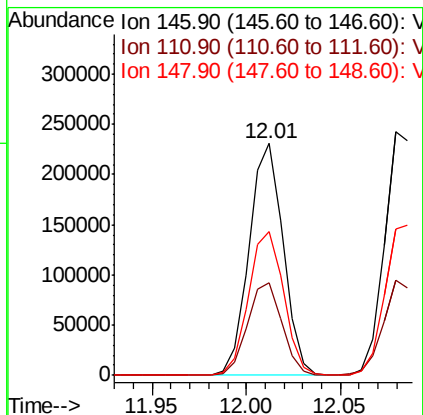
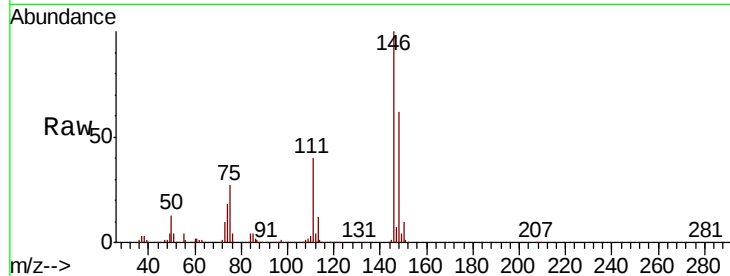
Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	146	Resp:	289999
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	63.8	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 46.904 ug/l

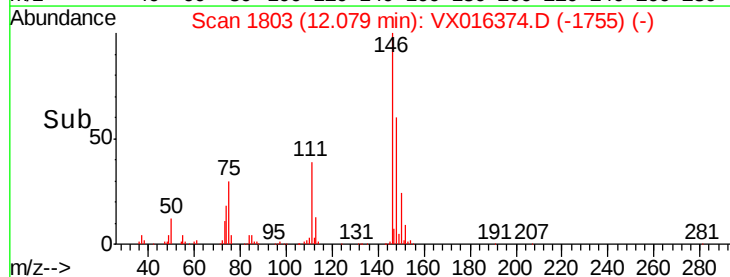
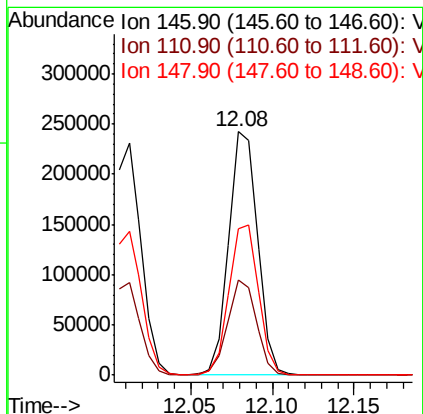
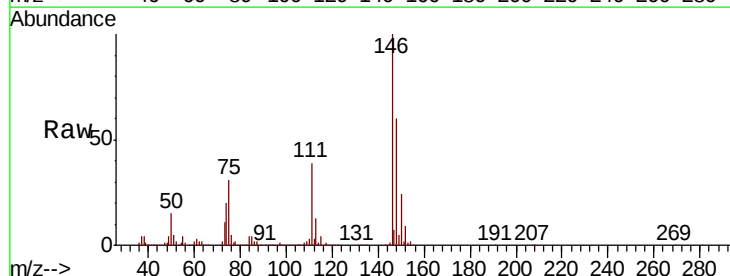
RT: 12.08 min Scan# 1803

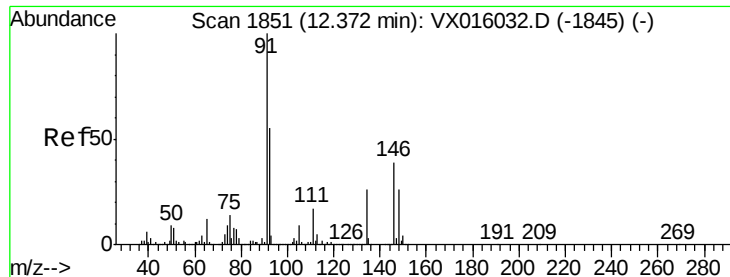
Delta R.T. -0.01 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Tgt Ion:	146	Resp:	298676
Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	62.9	31.8	95.3

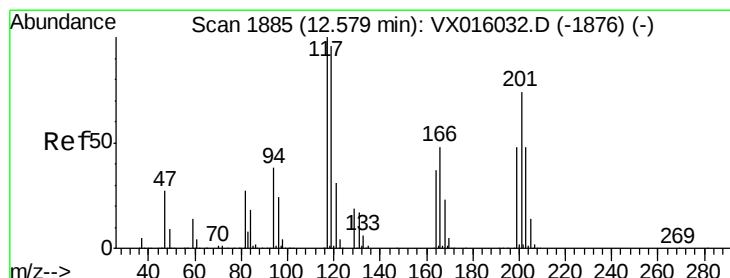
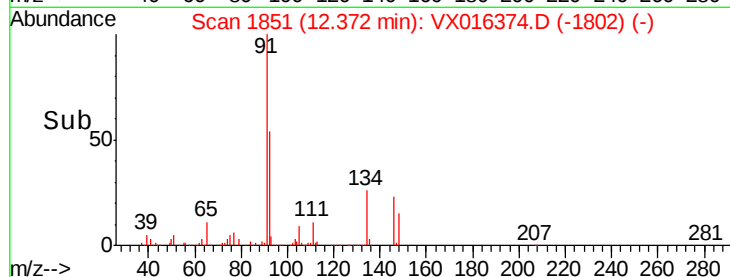
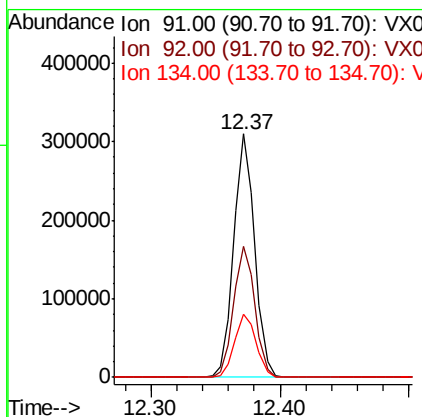
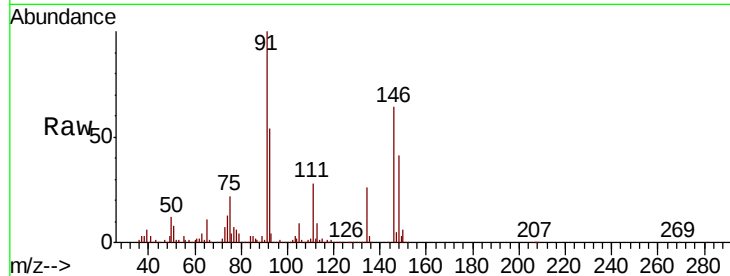




#89
n-Butylbenzene
Concen: 31.242 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

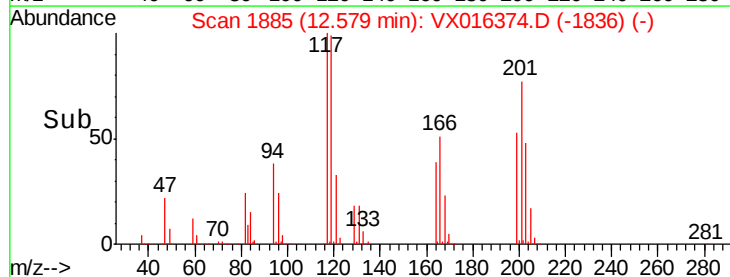
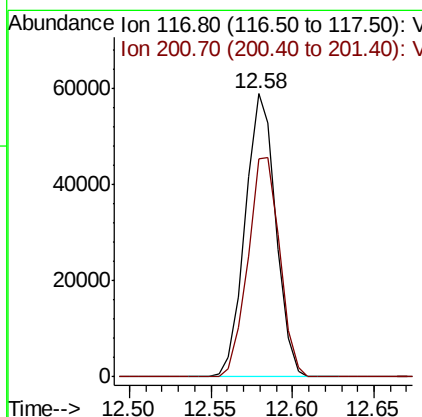
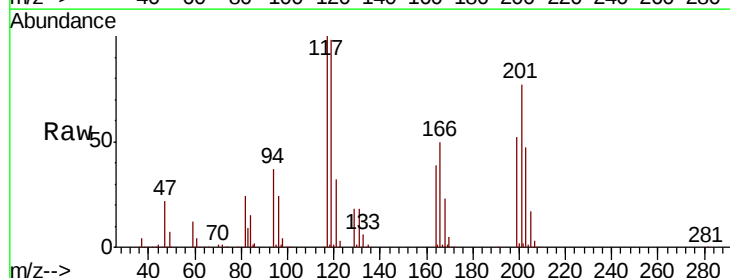
Instrument :
MSVOA_X
ClientSampleId :

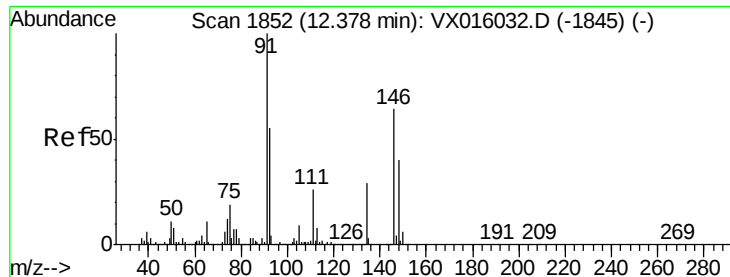
Tot Ion: 91 Resp: 352427
Ion Ratio Lower Upper
91 100
92 54.8 27.6 82.7
134 26.7 13.4 40.1



#90
Hexachloroethane
Concen: 36.393 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016374.D
Acq: 20 May 2020 20:31

Tgt Ion: 117 Resp: 77177
Ion Ratio Lower Upper
117 100
201 80.6 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 47.538 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

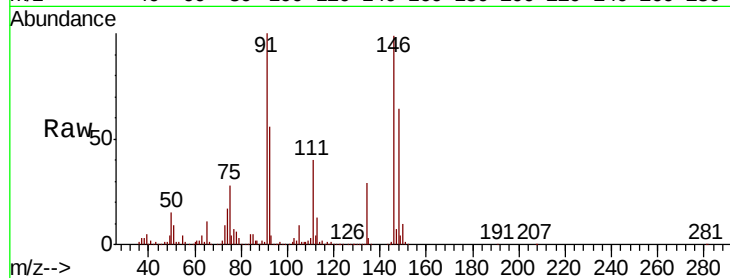
Tot Ion:146 Resp: 287184

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.1

148 64.0 32.4 97.0

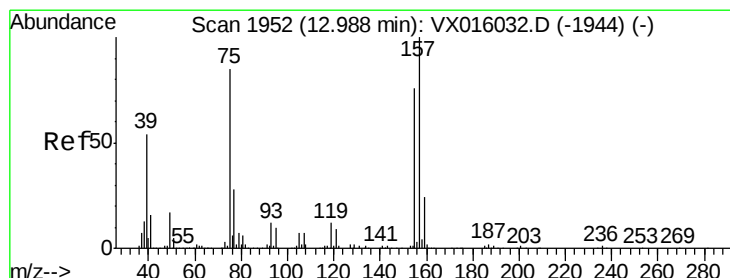
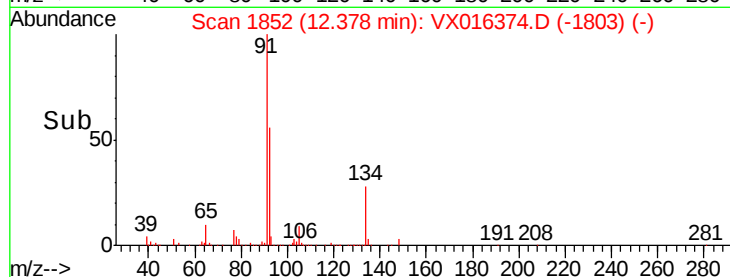
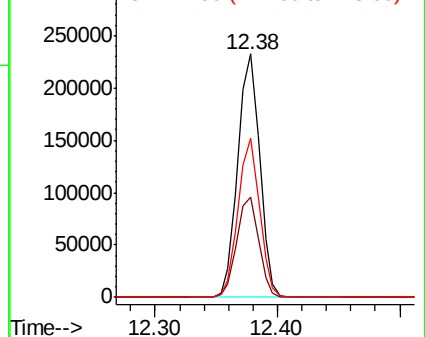


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.055 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

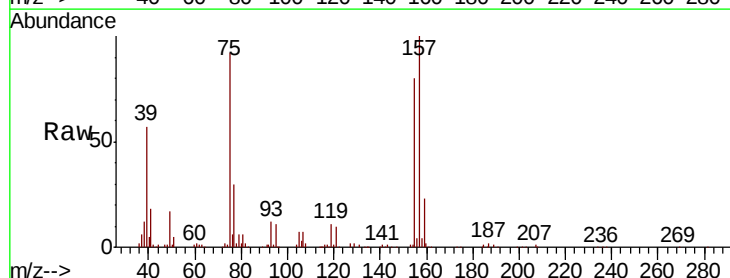
Tgt Ion: 75 Resp: 53491

Ion Ratio Lower Upper

75 100

155 91.4 42.5 127.5

157 115.9 55.3 165.8

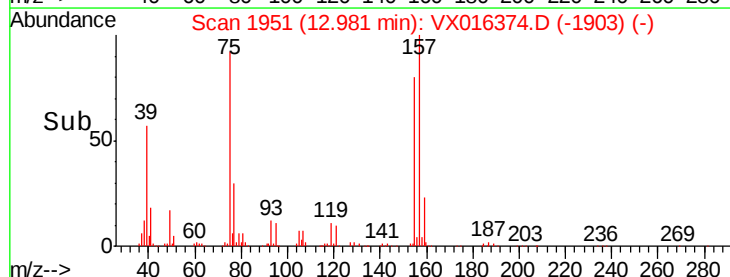
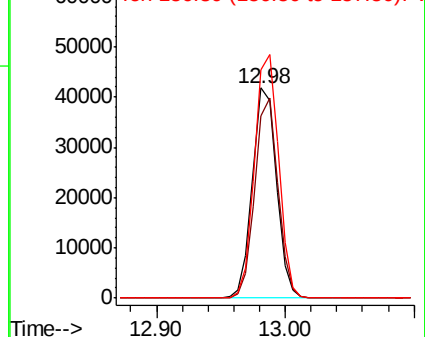


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

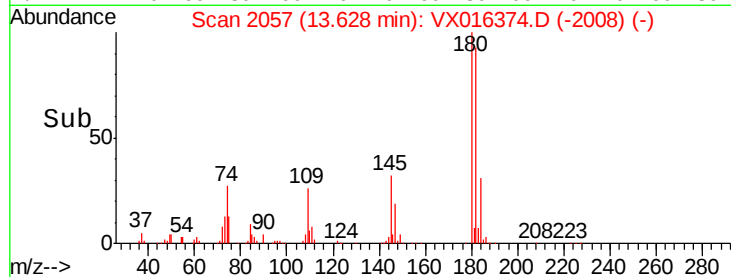
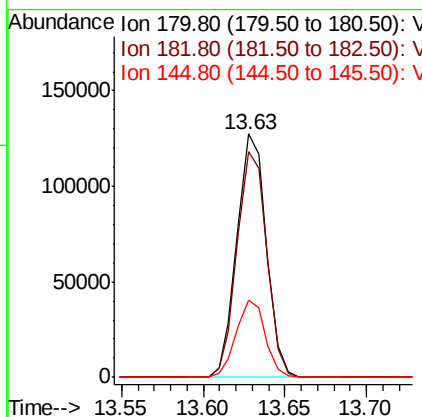
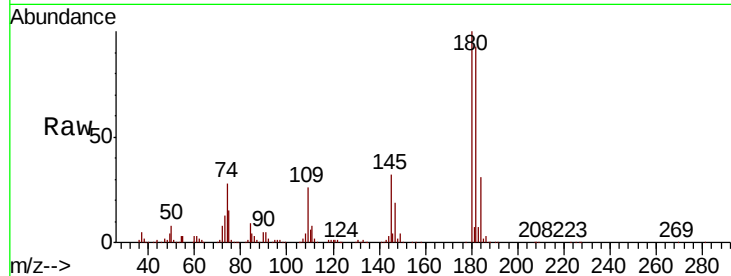




#93
 1,2,4-Trichlorobenzene
 Concen: 35.870 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

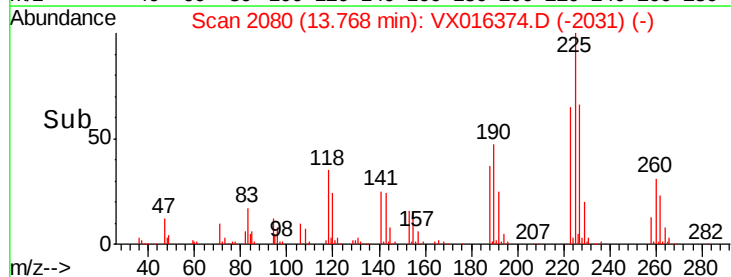
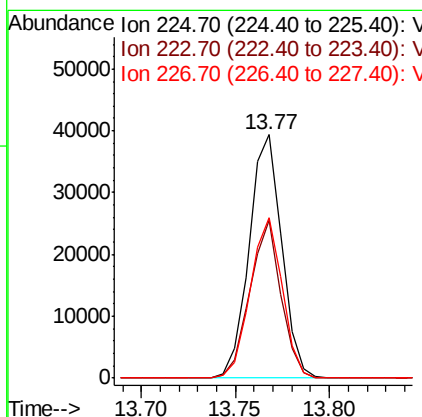
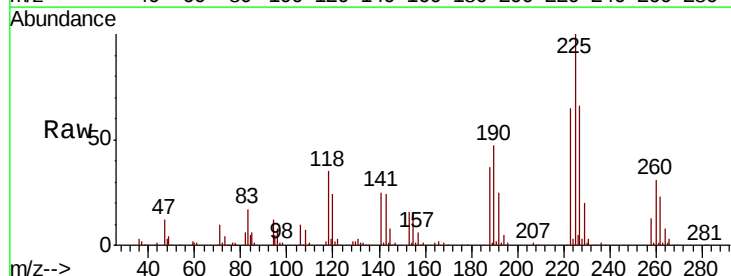
Instrument :
 MSVOA_X
 ClientSampleId :

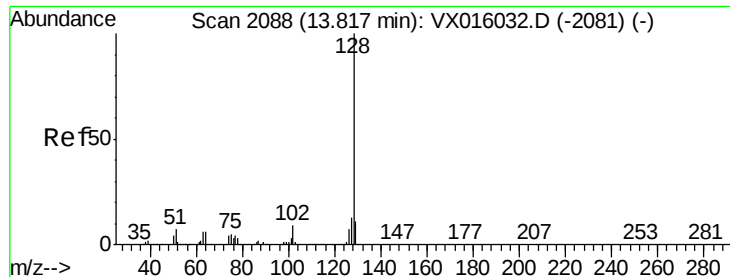
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.7	146.1
145	31.4	15.7	47.1



#94
 Hexachlorobutadiene
 Concen: 24.720 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016374.D
 Acq: 20 May 2020 20:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.3	96.9
227	64.9	31.8	95.4





#95

Naphthalene

Concen: 44.949 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

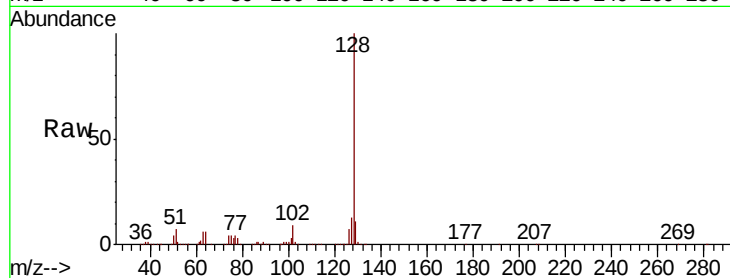
Tot Ion:128 Resp: 650970

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

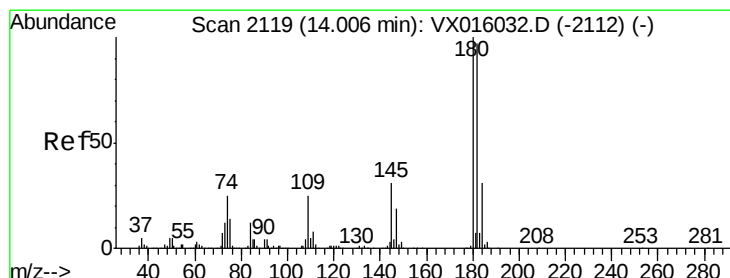
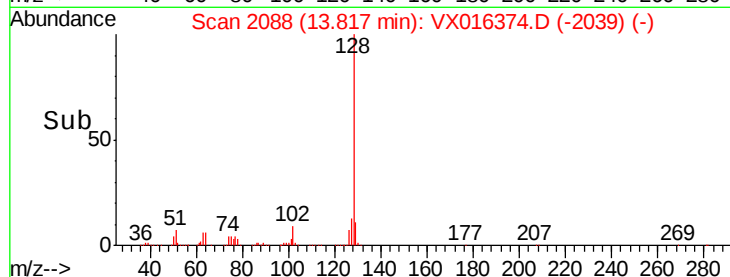
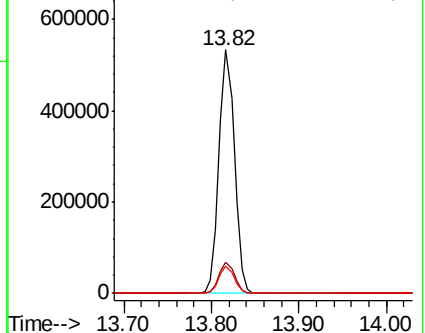
129 11.0 8.7 13.1



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: 36.565 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016374.D

Acq: 20 May 2020 20:31

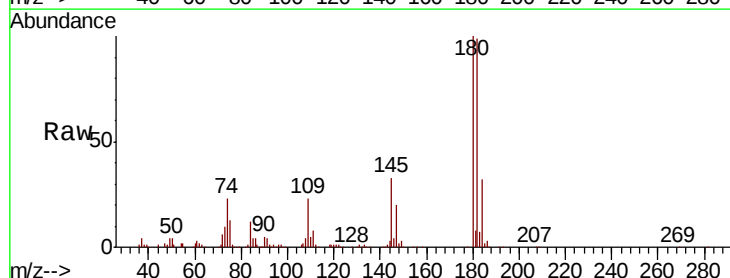
Tgt Ion:180 Resp: 159830

Ion Ratio Lower Upper

180 100

182 95.6 48.4 145.0

145 32.3 16.4 49.1



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

