

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019296.D
 Acq On : 05 Nov 2020 01:40
 Operator : JC/MD
 Sample : L4622-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 05 02:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	291648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	499364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248563	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	208100	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
35) Dibromofluoromethane	5.46	113	164066	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	8.70	98	647249	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	11.12	95	244955	53.28	ug/l	0.00
Spiked Amount			Recovery	=	106.56%	

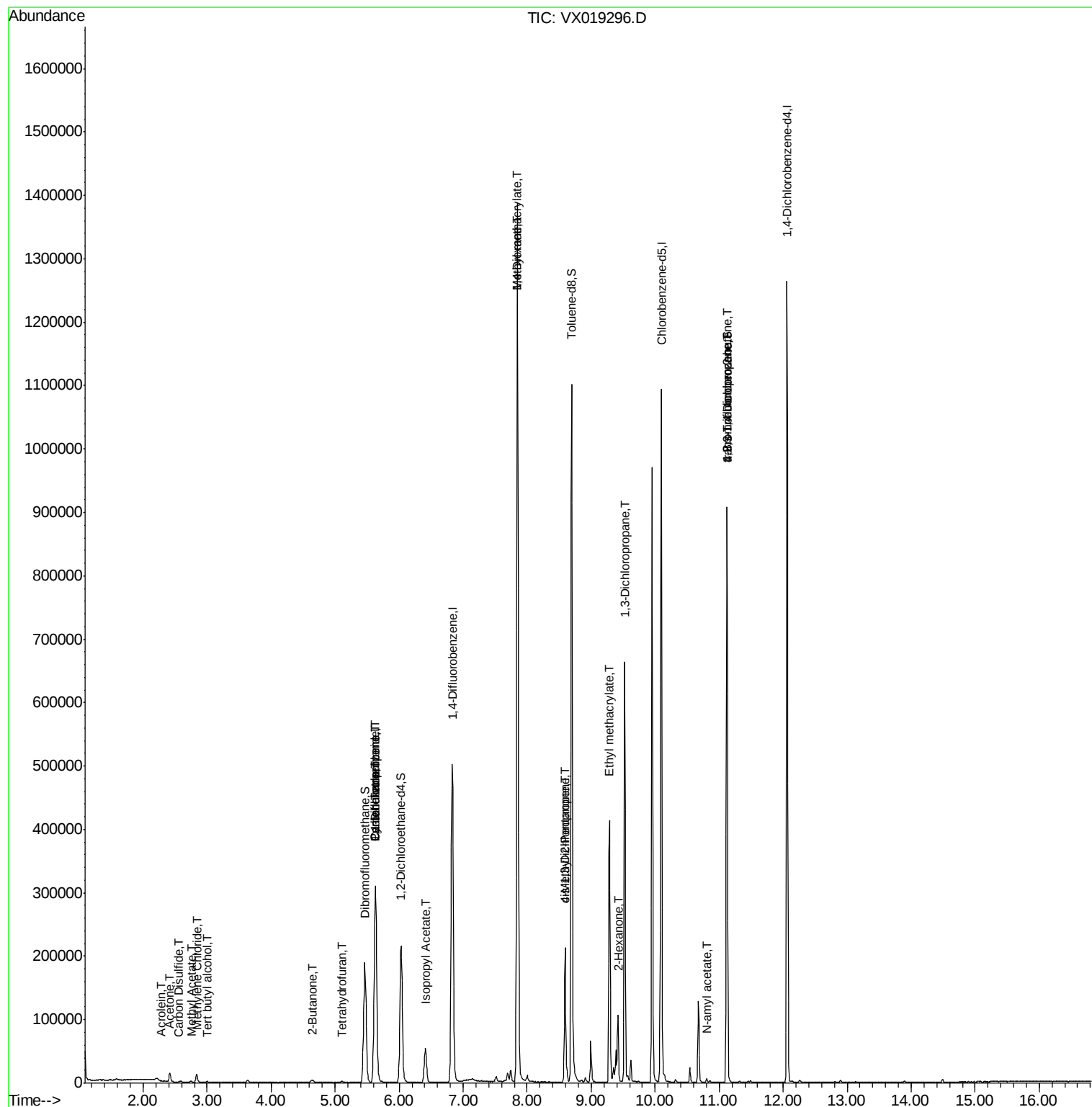
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	1159	1.560	ug/l #	72
13) Acrolein	2.28	56	20	5.707	ug/l #	1
16) Acetone	2.42	43	14462	11.146	ug/l	99
17) Carbon Disulfide	2.56	76	356	0.803	ug/l #	75
18) Methyl Acetate	2.75	43	2709	0.859	ug/l	94
20) Methylene Chloride	2.84	84	6038	1.854	ug/l	95
25) 2-Butanone	4.65	43	2348	1.148	ug/l	91
29) Tetrahydrofuran	5.10	42	1677	1.301	ug/l #	71
31) Cyclohexane	5.64	56	6500	1.367	ug/l #	26
36) 1,1-Dichloropropene	5.64	75	24131	5.097	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29901	6.196	ug/l #	17
43) Isopropyl Acetate	6.41	43	73575	9.995	ug/l	98
48) Methyl methacrylate	7.85	41	115392	32.570	ug/l #	37
49) 1,4-Dioxane	7.85	88	222	2.818	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	72864	17.223	ug/l #	48
54) cis-1,3-Dichloropropene	8.59	75	34882	6.060	ug/l #	61
56) Ethyl methacrylate	9.29	69	1046	0.203	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5943	1.032	ug/l #	42
59) 2-Hexanone	9.42	43	66466	20.639	ug/l #	20
74) N-amyl acetate	10.80	43	2930	0.455	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	125992	24.549	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	125992	64.637	ug/l #	12

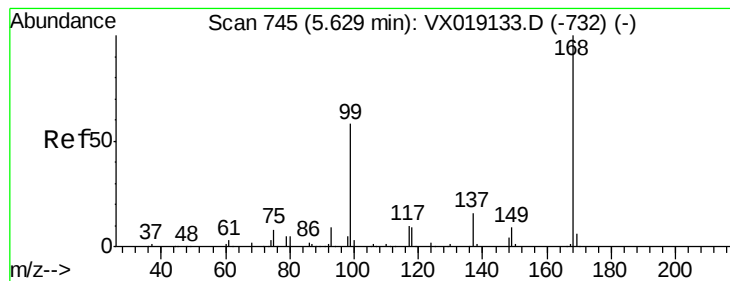
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

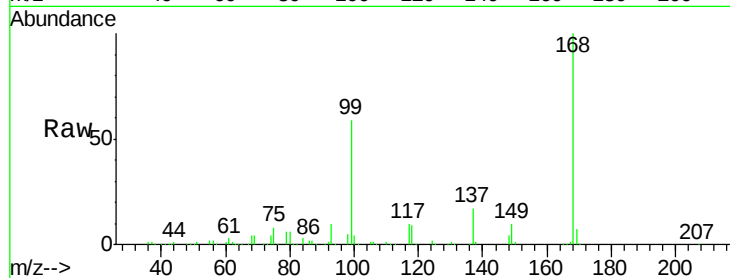
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 291648

Ion Ratio Lower Upper

168 100

99 59.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

60000

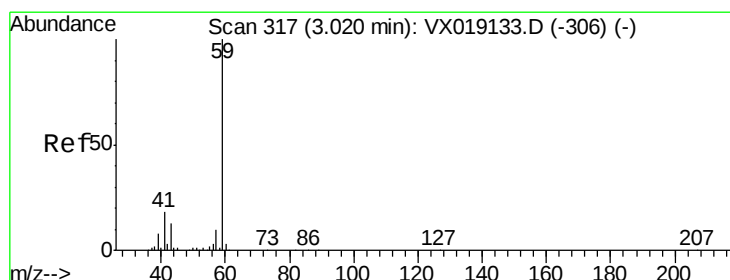
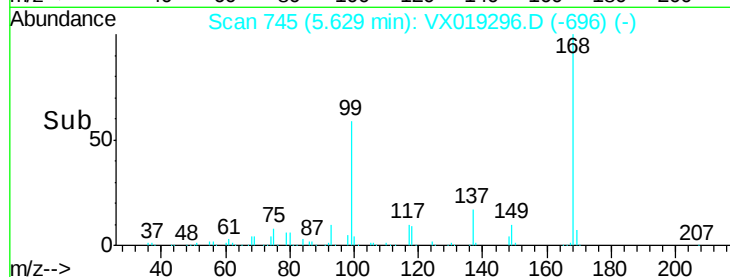
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 1.560 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019296.D

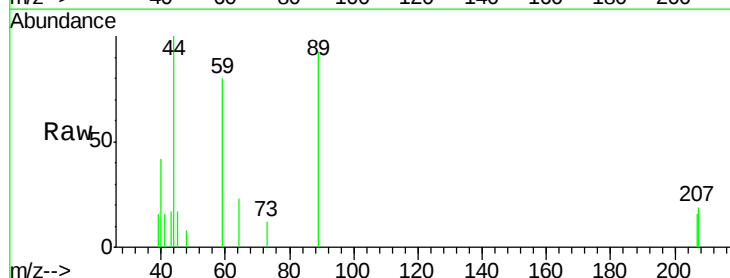
Acq: 05 Nov 2020 01:40

Tgt Ion: 59 Resp: 1159

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

500

400

300

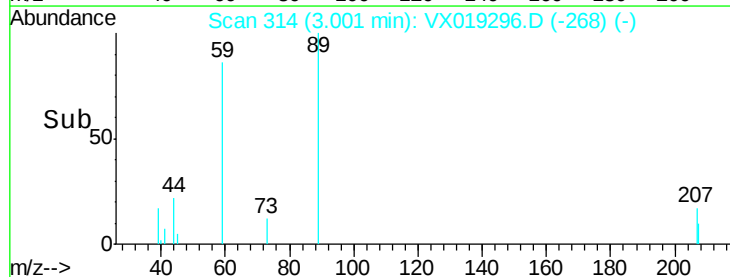
200

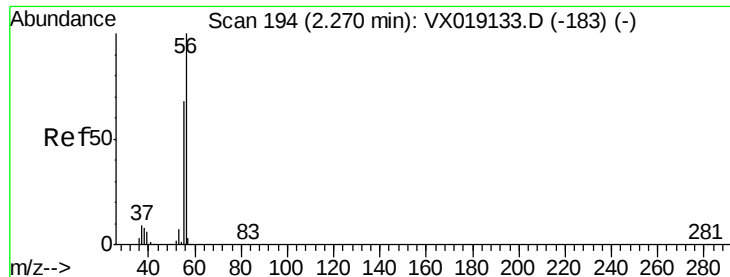
100

0

Time-->

2.95 3.00 3.05





#13

Acrolein

Concen: 5.707 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

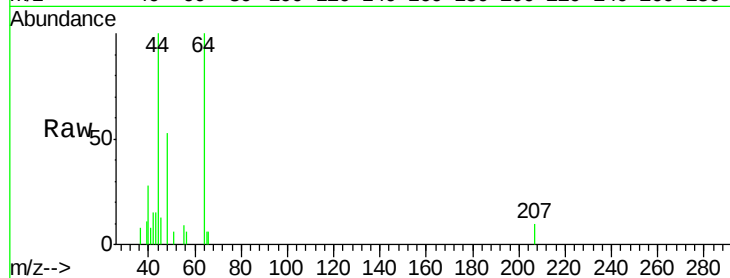
ClientSampleId :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

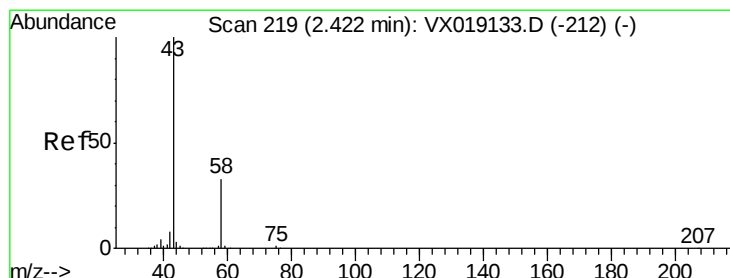
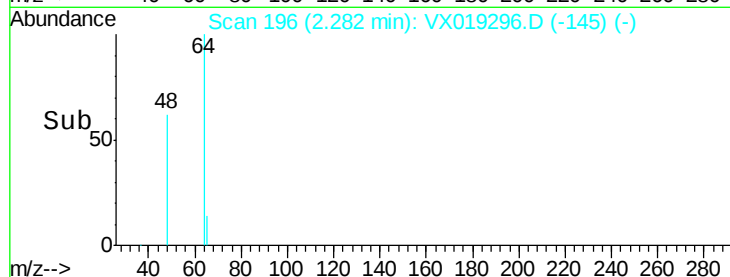
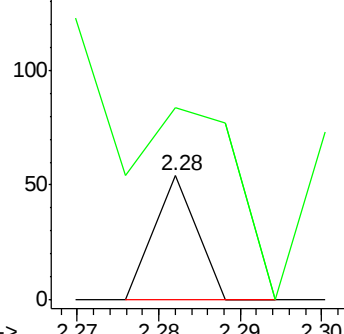
56 100

55 620.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 11.146 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019296.D

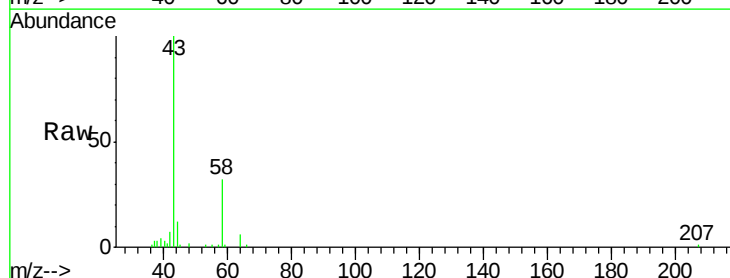
Acq: 05 Nov 2020 01:40

Tgt Ion: 43 Resp: 14462

Ion Ratio Lower Upper

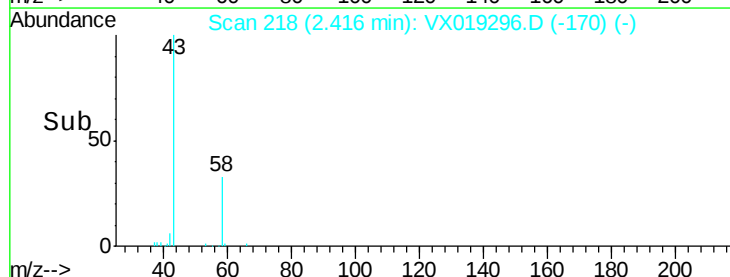
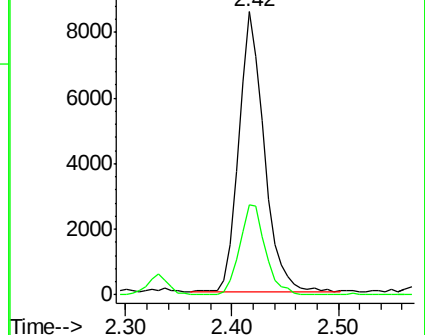
43 100

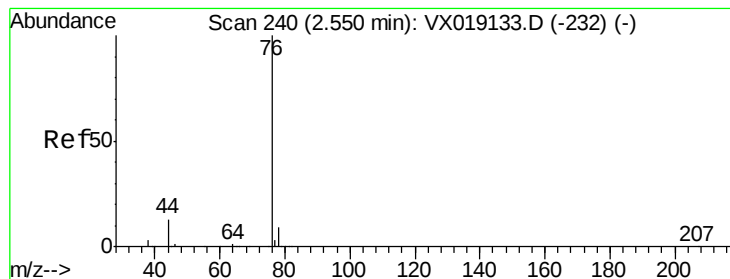
58 32.1 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.803 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

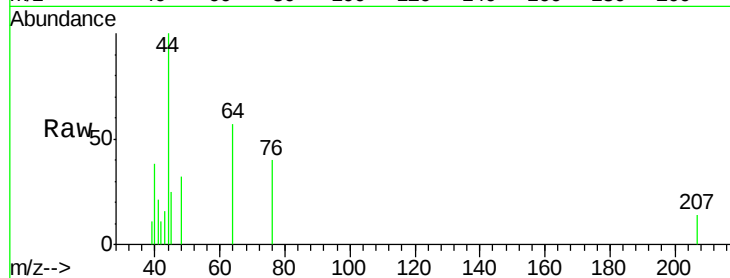
ClientSampled :

Tot Ion: 76 Resp: 356

Ion Ratio Lower Upper

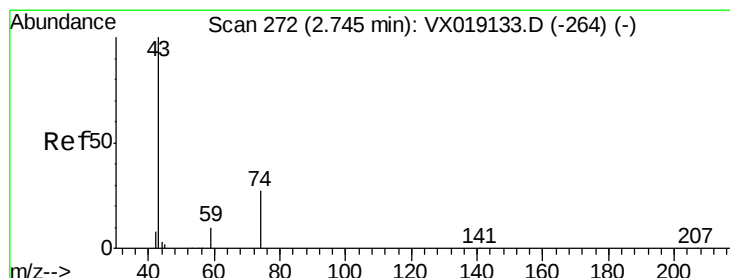
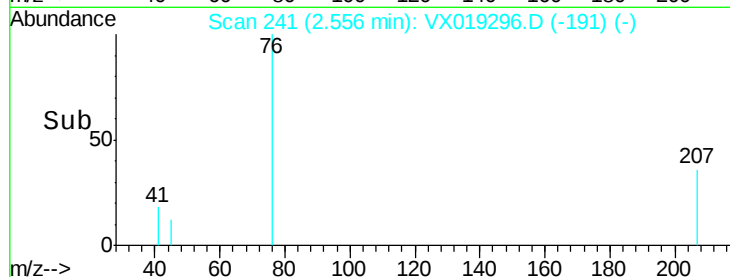
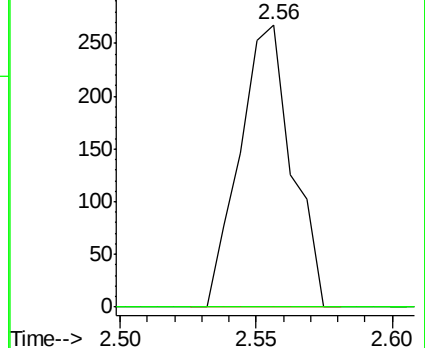
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.859 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019296.D

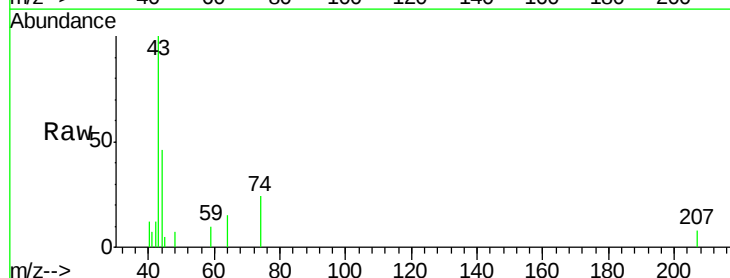
Acq: 05 Nov 2020 01:40

Tgt Ion: 43 Resp: 2709

Ion Ratio Lower Upper

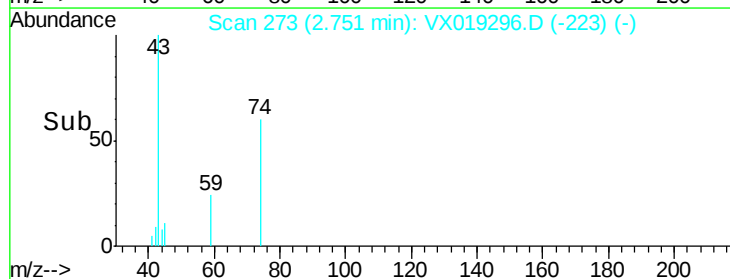
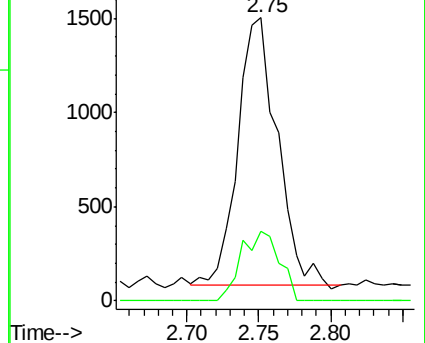
43 100

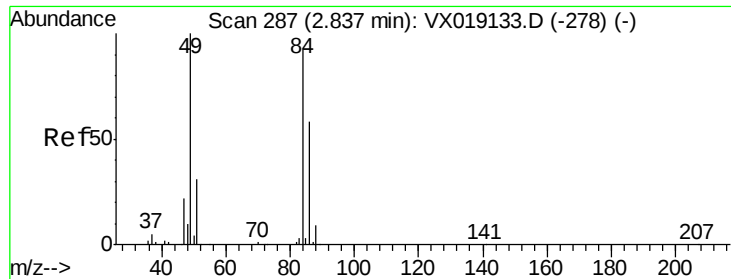
74 25.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

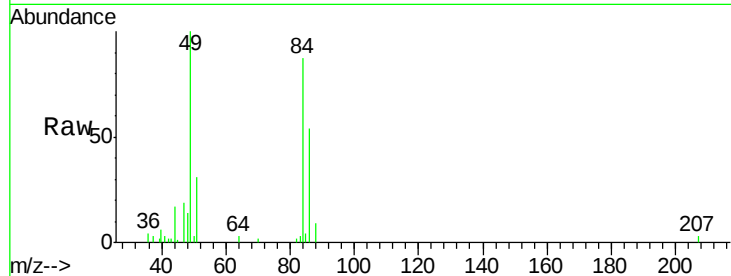




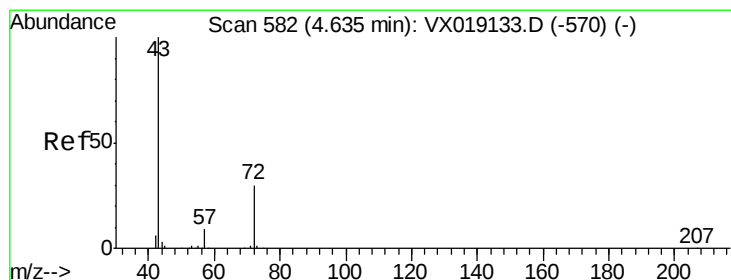
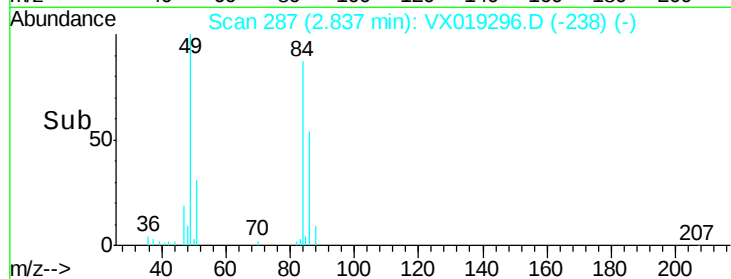
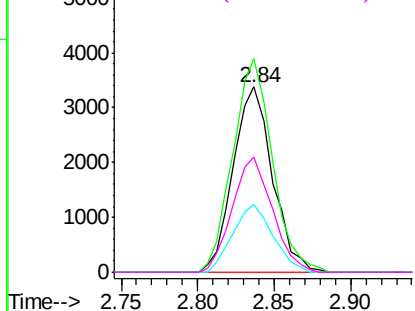
#20
Methvlene Chloride
Concen: 1.854 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	6038
Ion	Ratio	Lower	Upper
84	100		
49	115.1	86.8	130.2
51	36.2	27.3	40.9
86	61.9	50.6	76.0

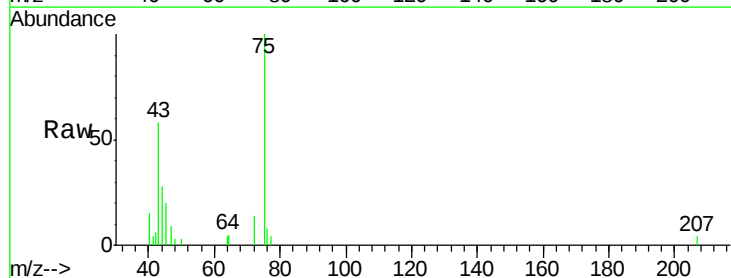


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

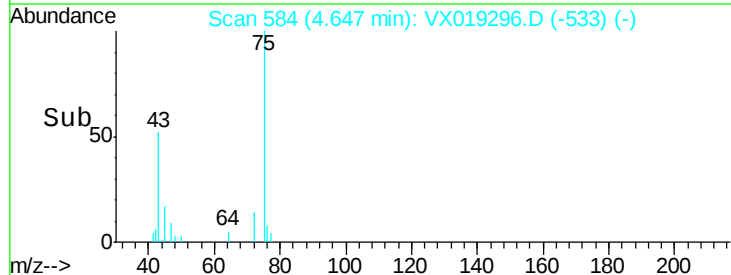
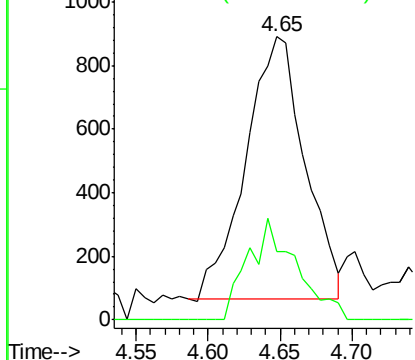


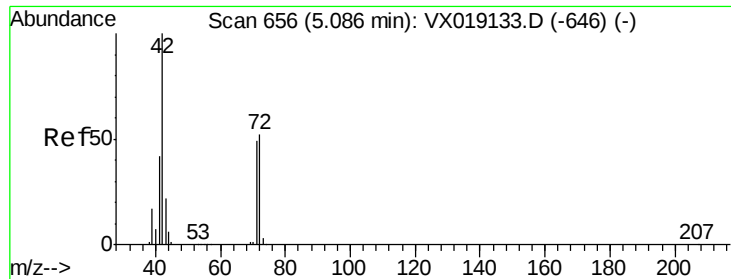
#25
2-Butanone
Concen: 1.148 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

Tgt Ion:	43	Resp:	2348
Ion	Ratio	Lower	Upper
43	100		
72	26.0	24.6	36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

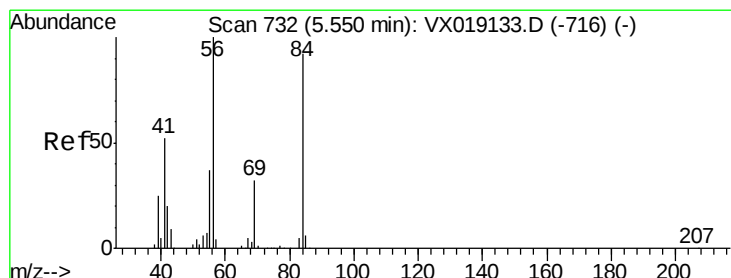
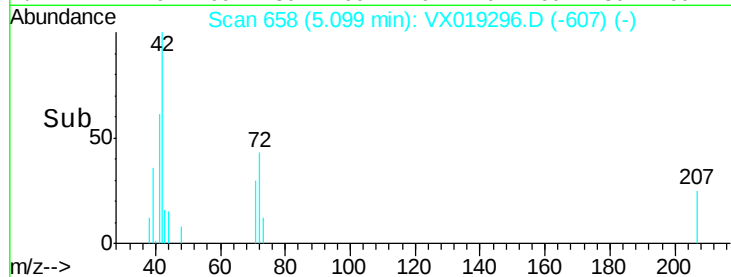
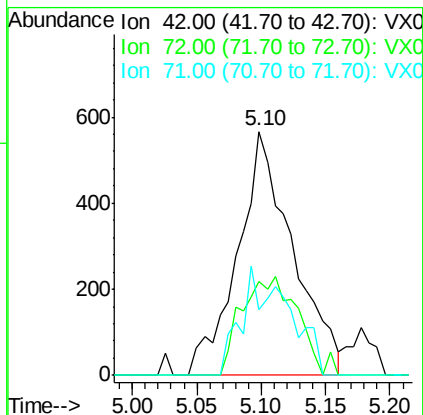
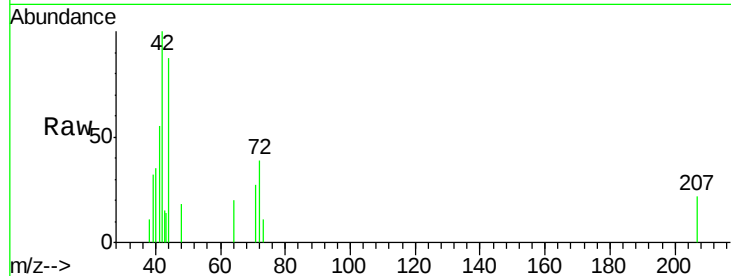




#29
Tetrahydrofuran
Concen: 1.301 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

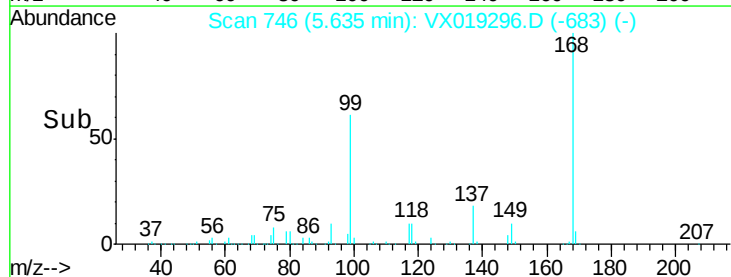
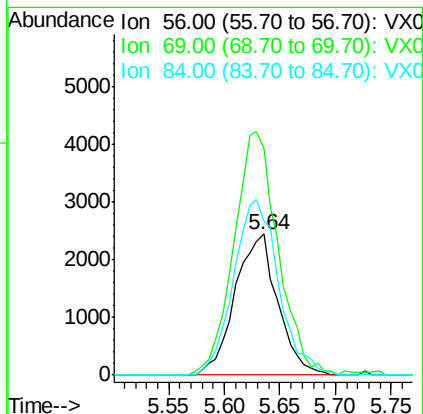
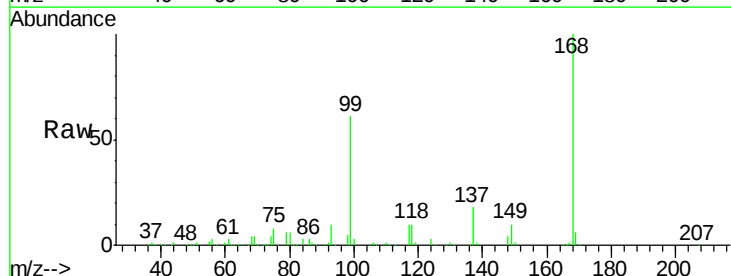
Instrument :
MSVOA_X
ClientSampleId :

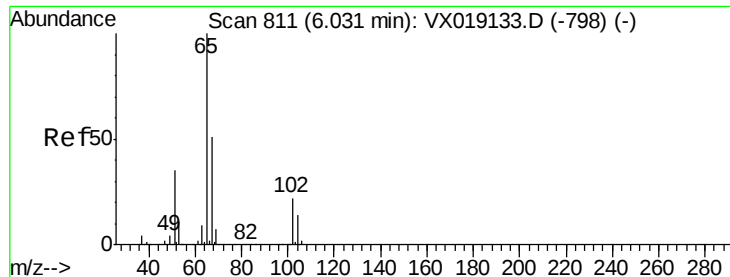
Tot Ion: 42 Resp: 1677
Ion Ratio Lower Upper
42 100
72 41.7 42.6 63.8#
71 19.6 39.7 59.5#



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

Tgt Ion: 56 Resp: 6500
Ion Ratio Lower Upper
56 100
69 160.9 25.9 38.9#
84 109.6 73.4 110.2





#33

1,2-Dichloroethane-d4

Concen: 55.329 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

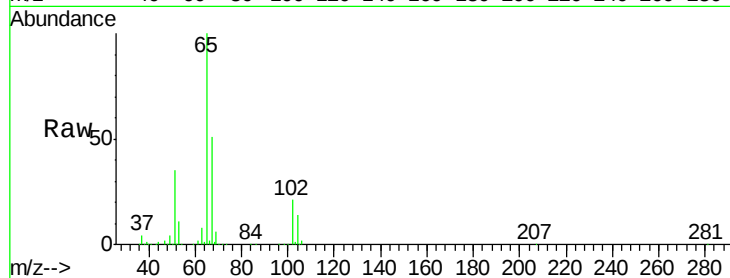
ClientSampleId :

Tot Ion: 65 Resp: 208100

Ion Ratio Lower Upper

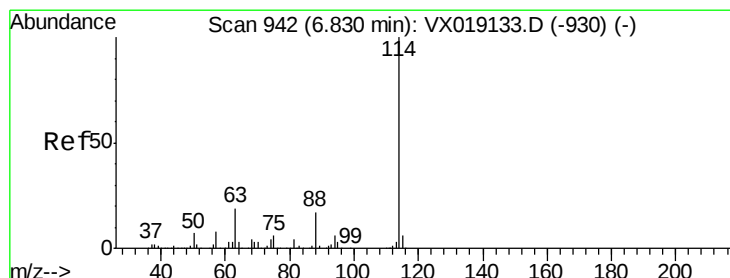
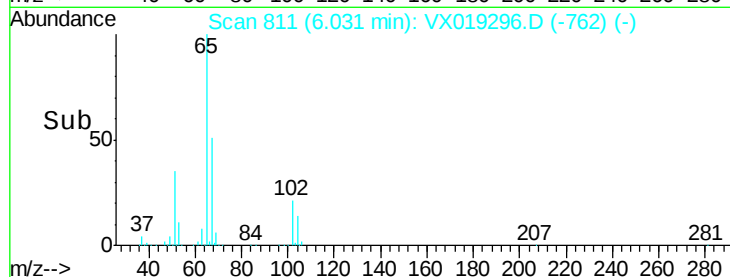
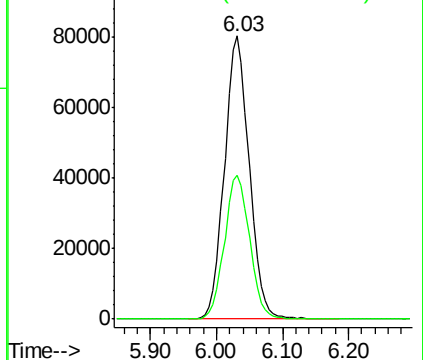
65 100

67 51.8 0.0 103.0



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: VX019296.D

Acq: 05 Nov 2020 01:40

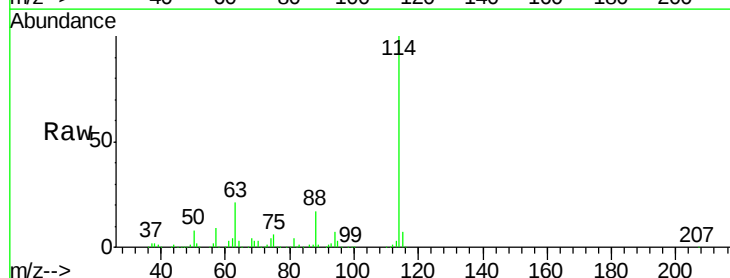
Tgt Ion: 114 Resp: 512733

Ion Ratio Lower Upper

114 100

63 21.3 0.0 38.8

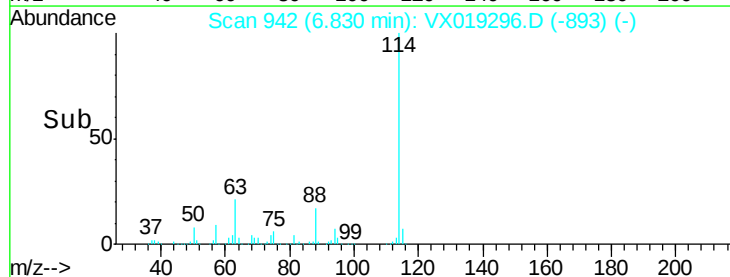
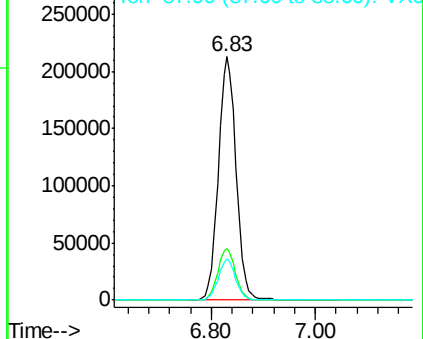
88 16.9 0.0 34.2

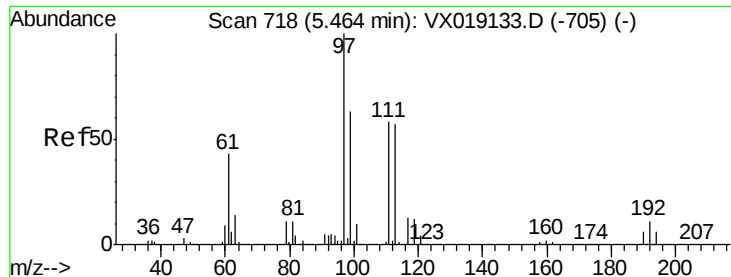


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.942 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

ClientSampleId :

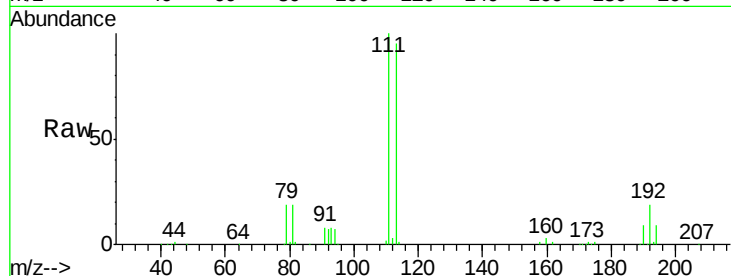
Tot Ion:113 Resp: 164066

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

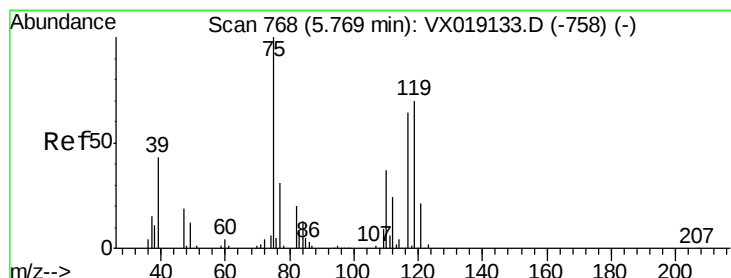
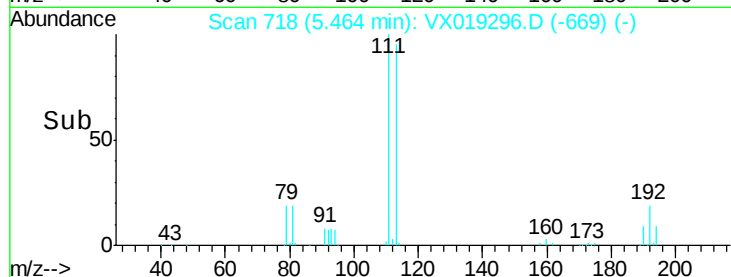
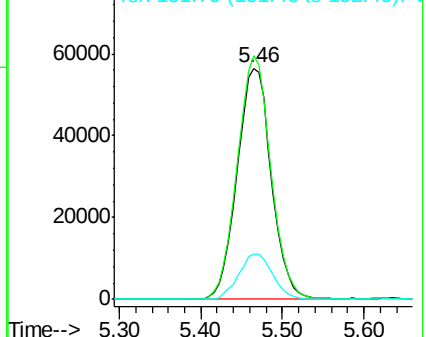
192 19.6 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.097 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

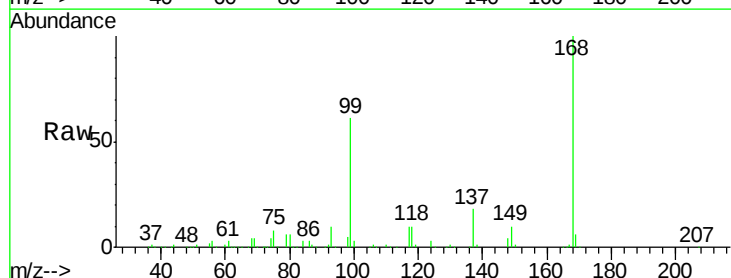
Tgt Ion: 75 Resp: 24131

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

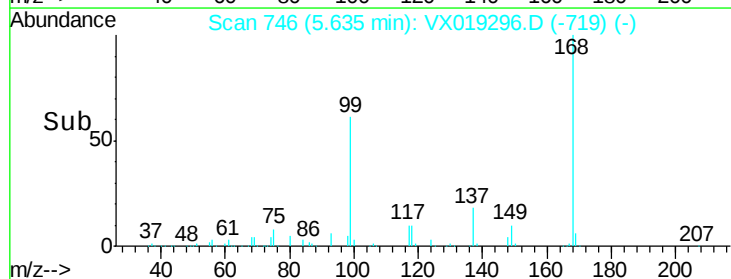
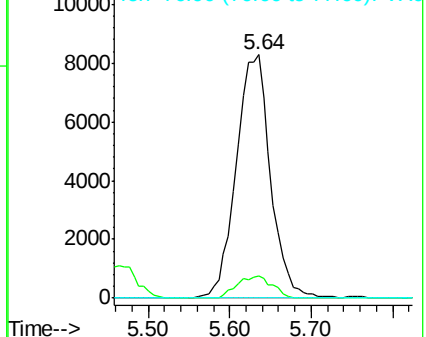
77 0.0 24.9 37.3#

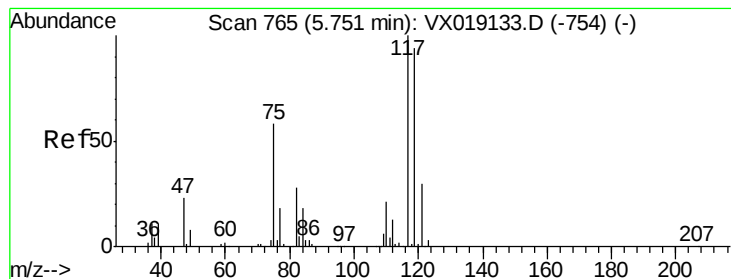


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.196 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

ClientSampled :

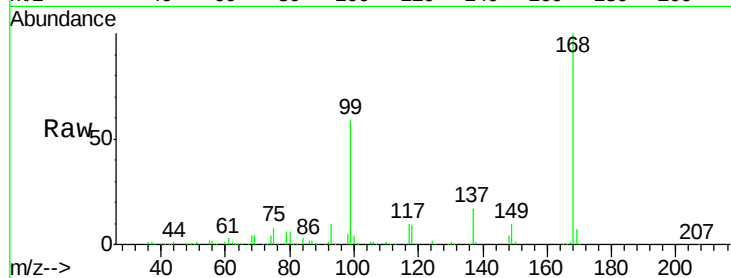
Tot Ion:117 Resp: 29901

Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

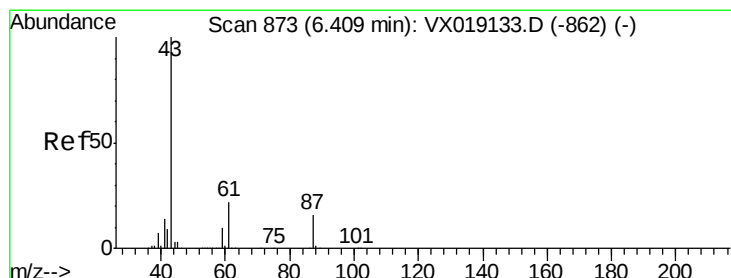
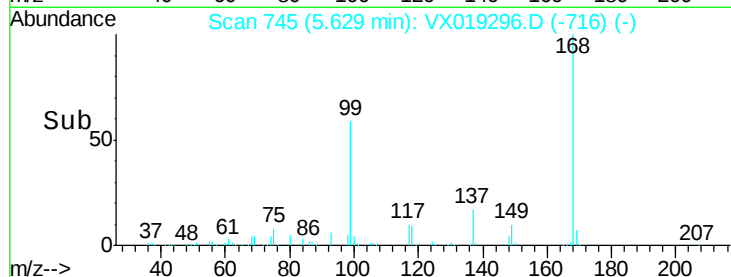
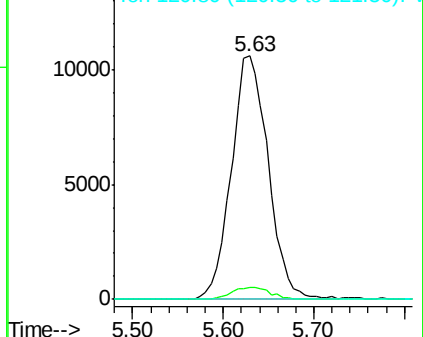
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.995 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

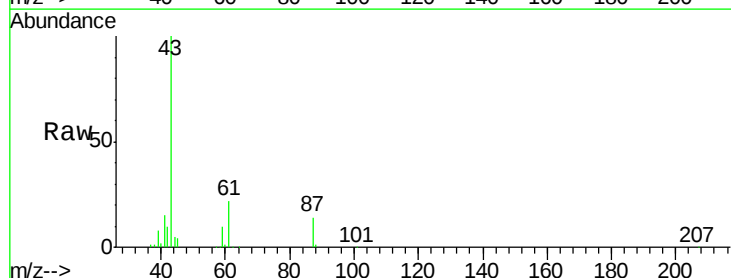
Tgt Ion: 43 Resp: 73575

Ion Ratio Lower Upper

43 100

61 21.6 17.8 26.6

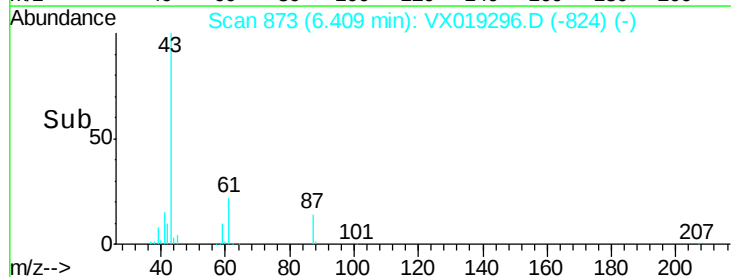
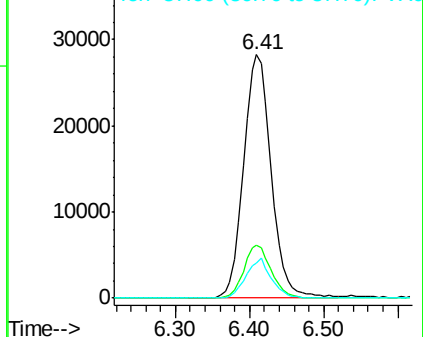
87 14.9 12.6 19.0

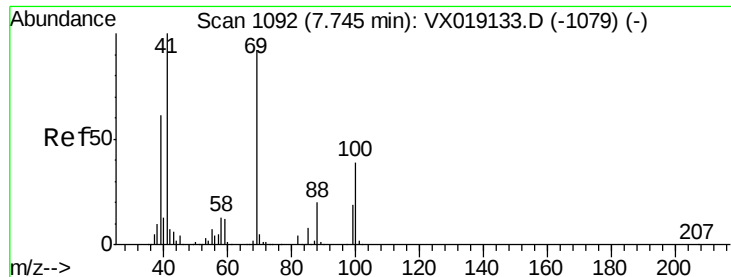


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

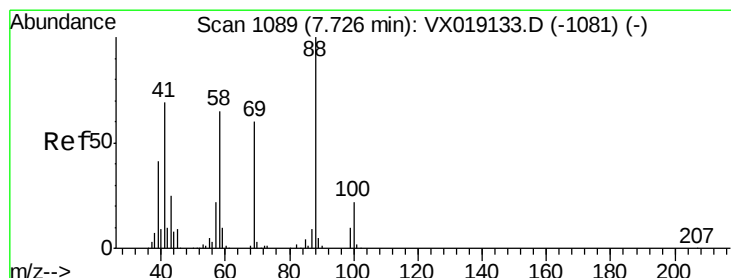
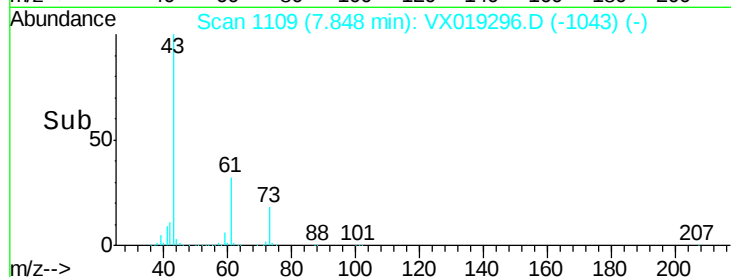
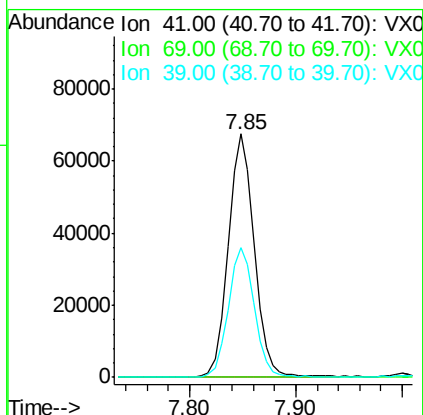
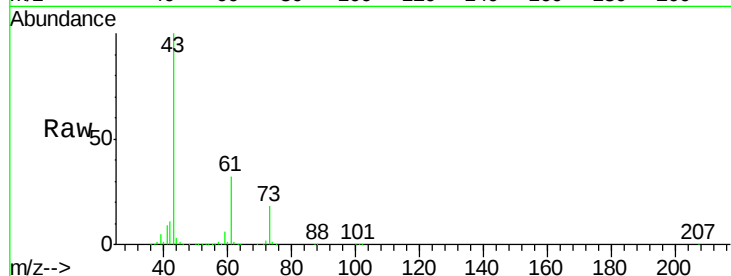




#48
Methvl methacrylate
Concen: 32.570 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

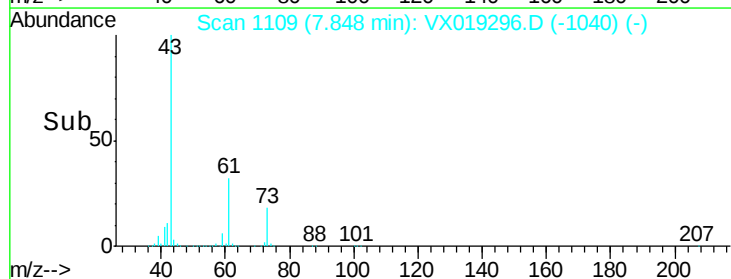
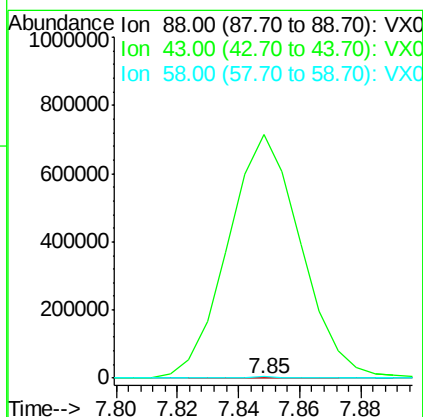
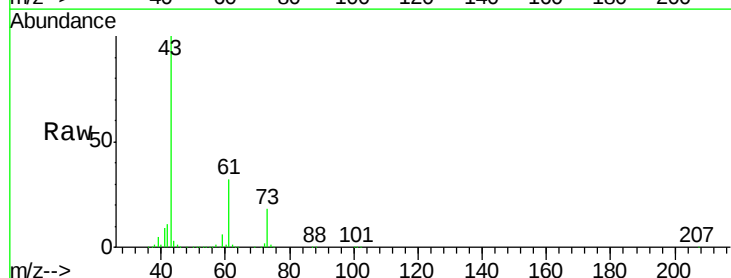
Instrument :
MSVOA_X
ClientSampled :

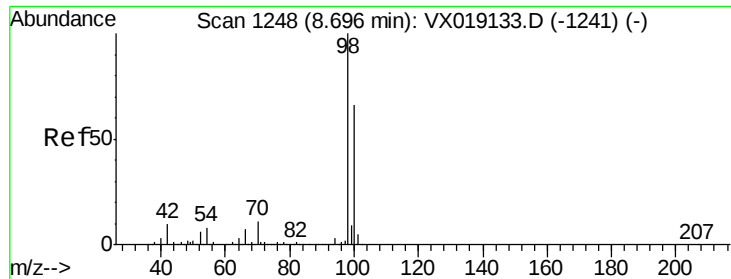
Tot Ion: 41 Resp: 115392
Ion Ratio Lower Upper
41 100
69 0.2 75.5 113.3#
39 54.1 48.9 73.3



#49
1,4-Dioxane
Concen: 2.818 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.12 min
Lab File: VX019296.D
Acq: 05 Nov 2020 01:40

Tgt Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
43 540220.7 23.0 34.6#
58 2610.4 52.2 78.2#





#50

Toluene-d8

Concen: 53.312 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

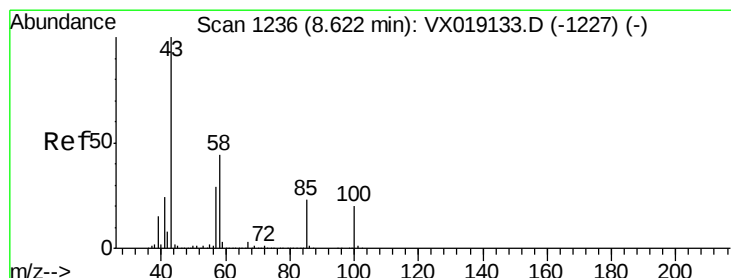
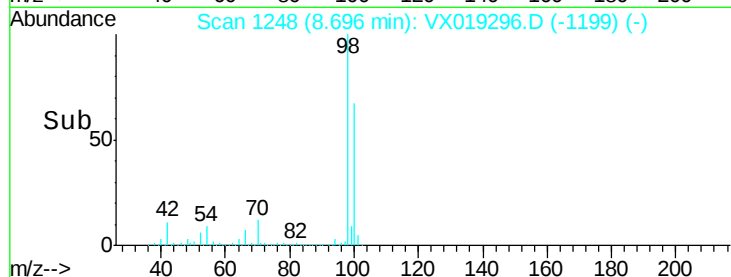
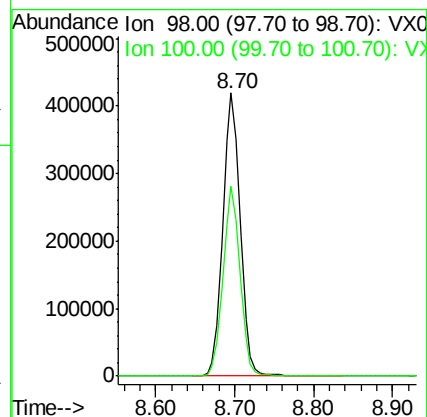
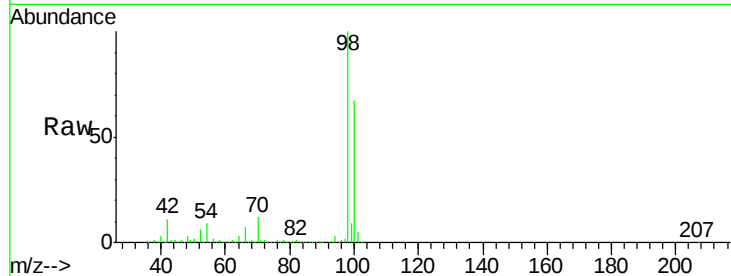
ClientSampleId :

Tot Ion: 98 Resp: 647249

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 17.223 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX019296.D

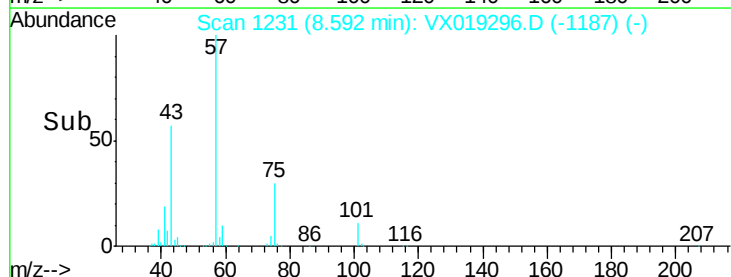
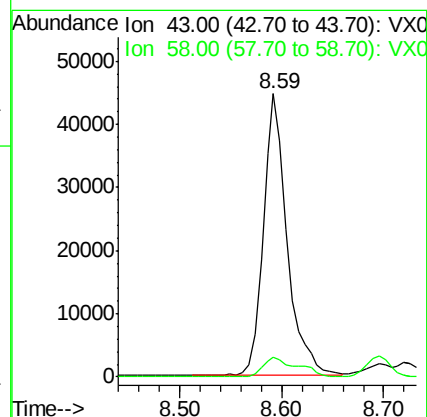
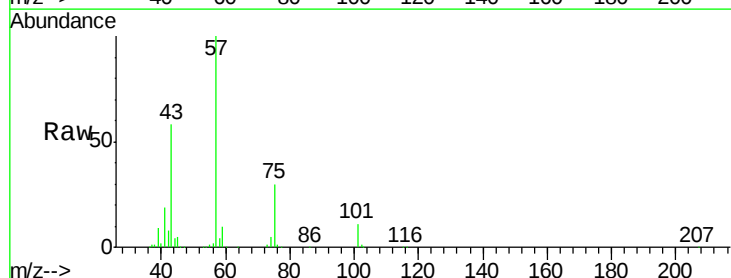
Acq: 05 Nov 2020 01:40

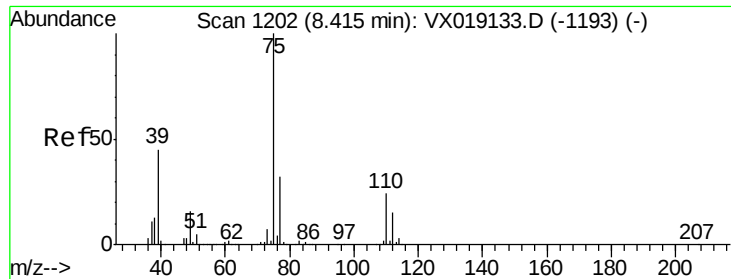
Tgt Ion: 43 Resp: 72864

Ion Ratio Lower Upper

43 100

58 10.2 35.0 52.4#



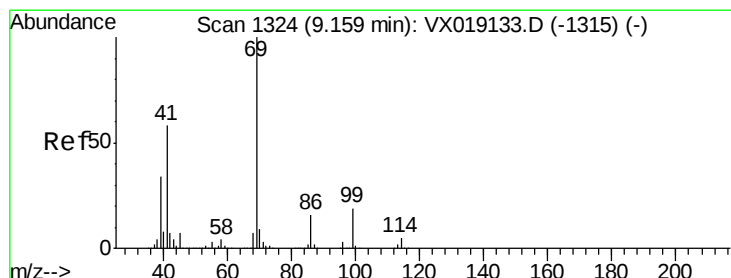
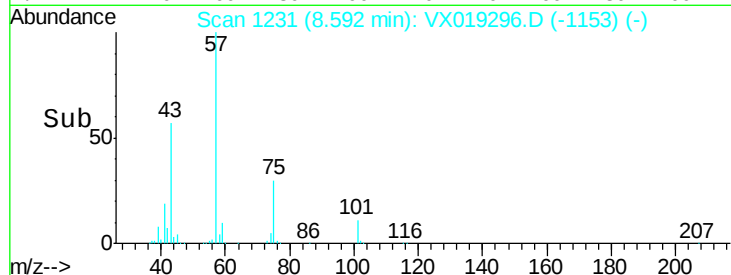
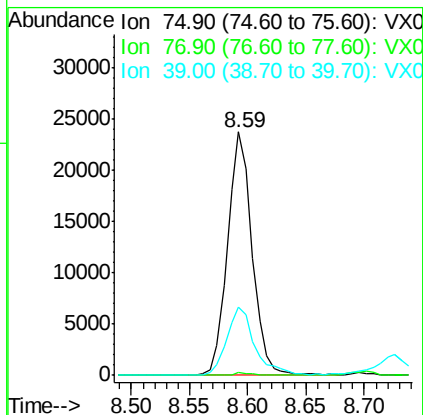
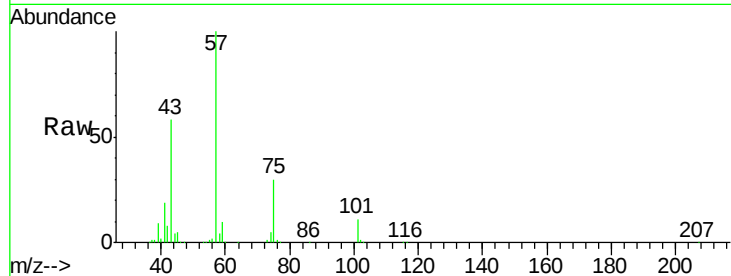


#54

cis-1,3-Dichloropropene
 Concen: 6.060 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019296.D
 Acq: 05 Nov 2020 01:40

Instrument :
 MSVOA_X
 ClientSampleId :

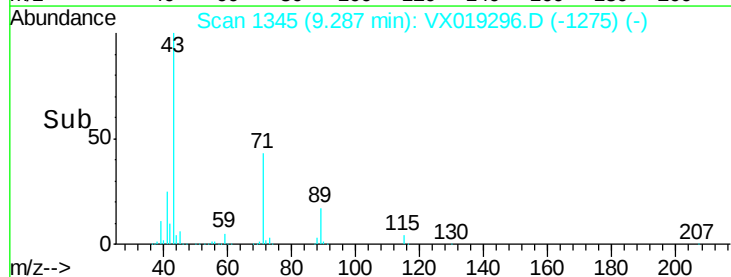
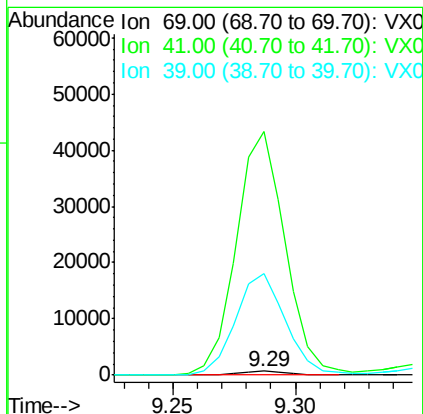
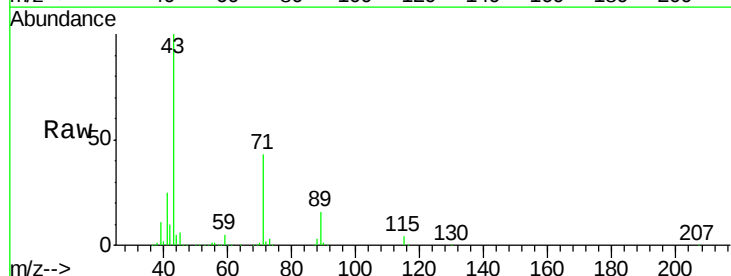
Tot Ion: 75 Resp: 34882
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.5 38.3#
 39 27.7 36.2 54.2#

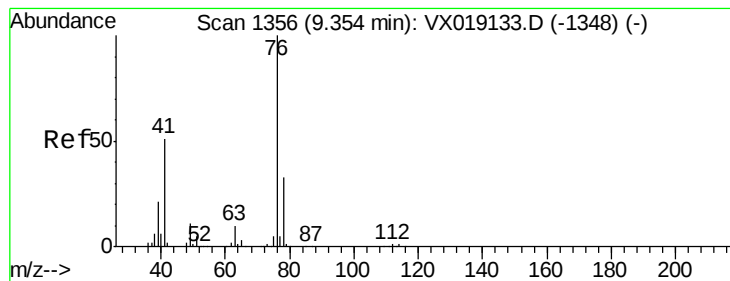


#56

Ethyl methacrylate
 Concen: 0.203 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX019296.D
 Acq: 05 Nov 2020 01:40

Tgt Ion: 69 Resp: 1046
 Ion Ratio Lower Upper
 69 100
 41 5774.1 46.5 69.7#
 39 2472.9 27.6 41.4#





#57

1,3-Dichloropropane

Concen: 1.032 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

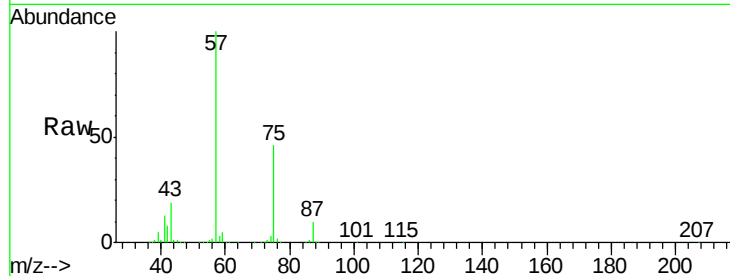
ClientSampleId :

Tot Ion: 76 Resp: 5943

Ion Ratio Lower Upper

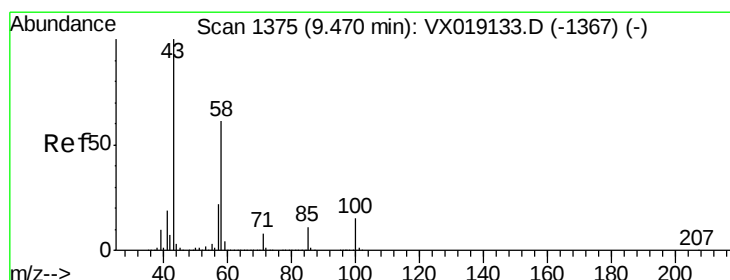
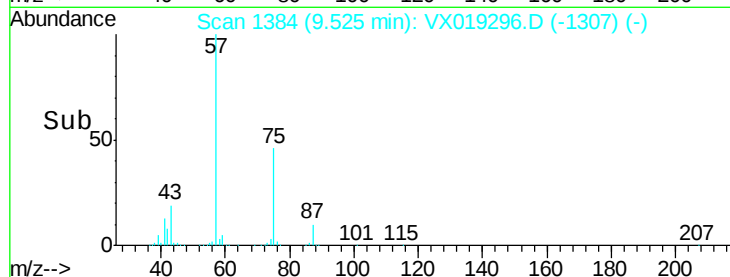
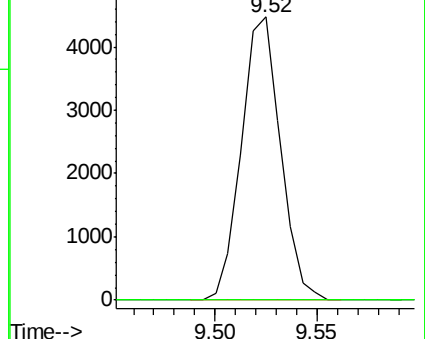
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 20.639 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX019296.D

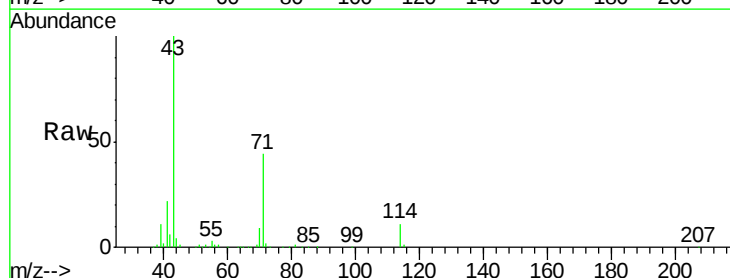
Acq: 05 Nov 2020 01:40

Tgt Ion: 43 Resp: 66466

Ion Ratio Lower Upper

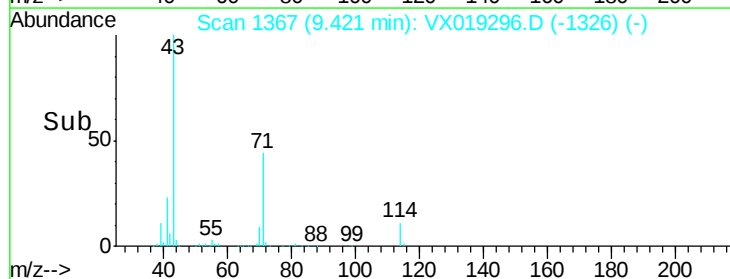
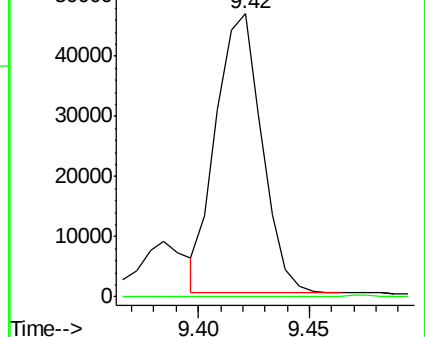
43 100

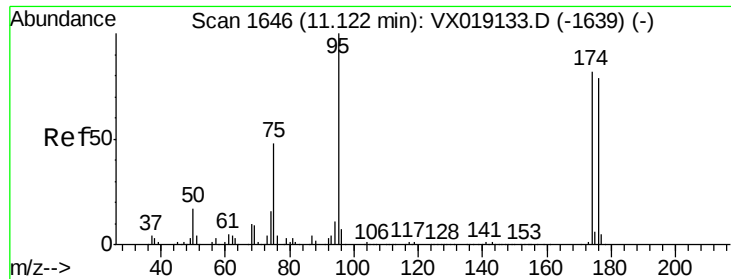
58 0.0 30.5 91.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.277 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

ClientSampleId :

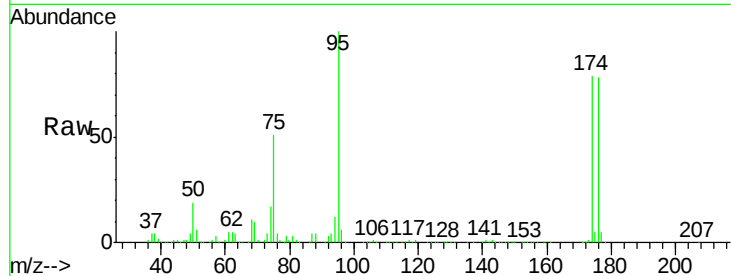
Tot Ion: 95 Resp: 244955

Ion Ratio Lower Upper

95 100

174 75.9 0.0 156.0

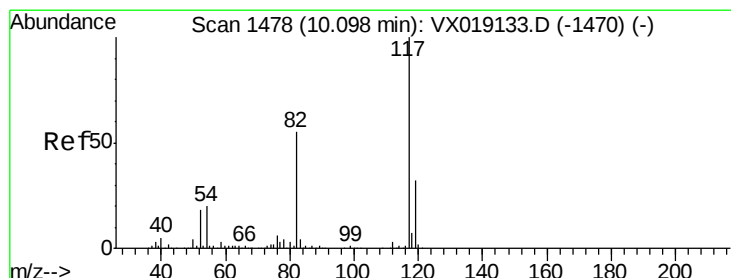
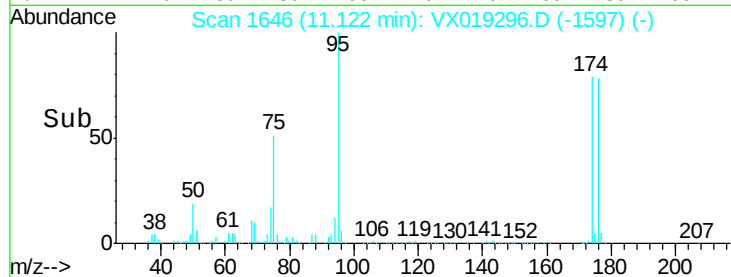
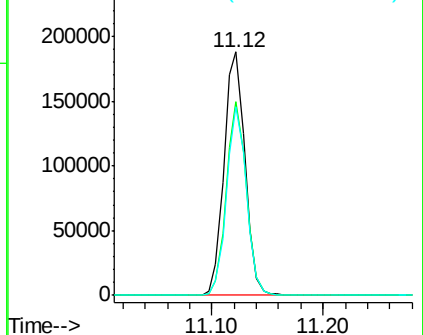
176 73.6 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019133.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX019133.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX019133.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

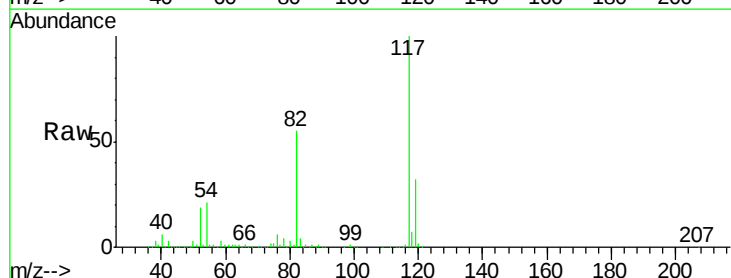
Tgt Ion: 117 Resp: 499364

Ion Ratio Lower Upper

117 100

82 55.3 43.6 65.4

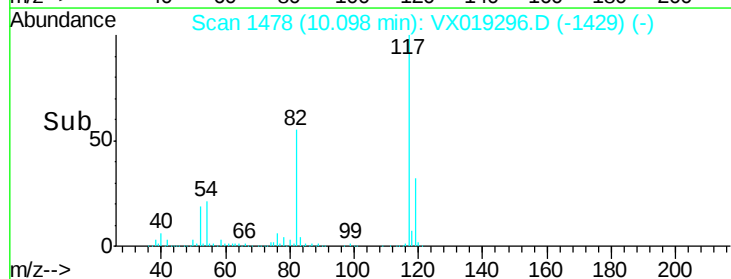
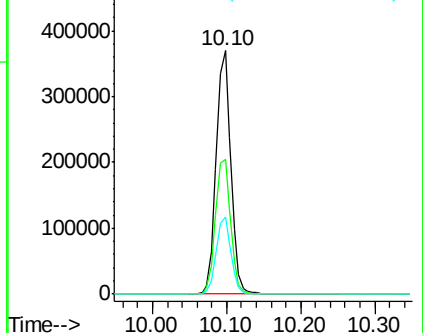
119 31.6 25.5 38.3

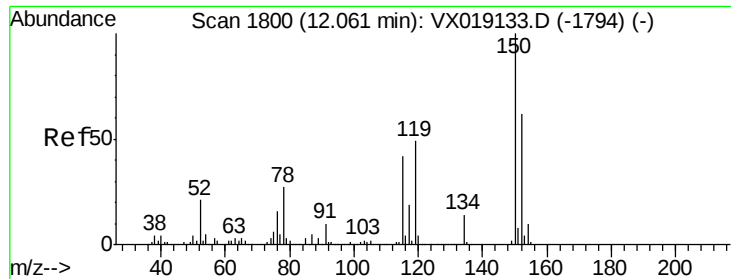


Abundance Ion 116.90 (116.60 to 117.60): VX019133.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019133.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019133.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

ClientSampled :

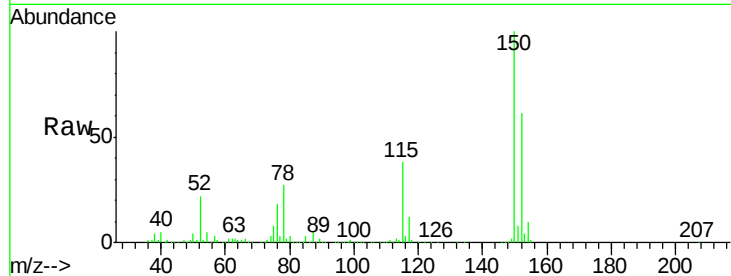
Tot Ion:152 Resp: 248563

Ion Ratio Lower Upper

152 100

115 61.5 41.9 125.7

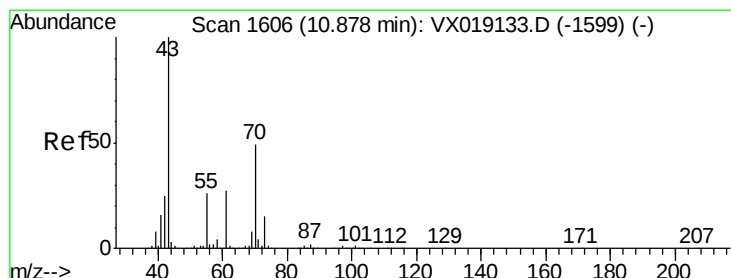
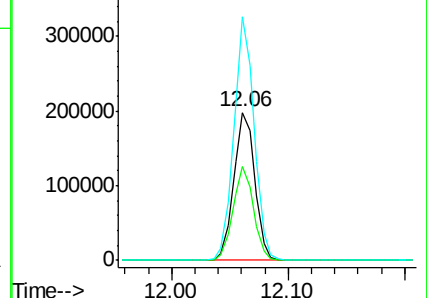
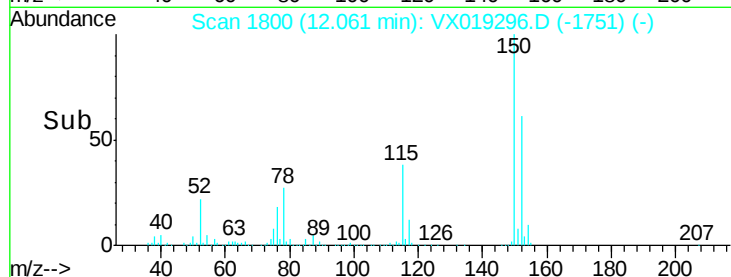
150 157.9 0.0 347.8



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



#74

N-ethyl acetate

Concen: 0.455 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Tgt Ion: 43 Resp: 2930

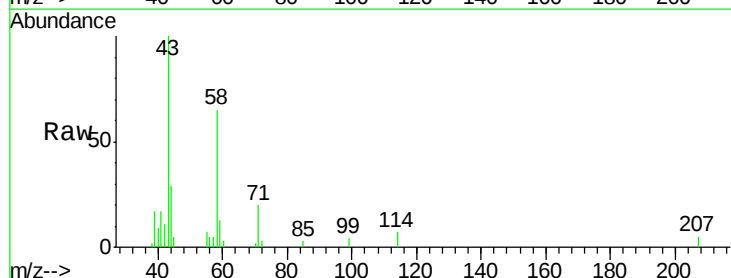
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 10.5 20.7 31.1#

61 0.0 21.9 32.9#

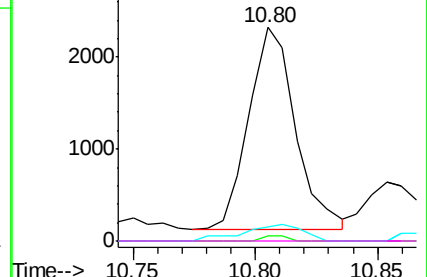
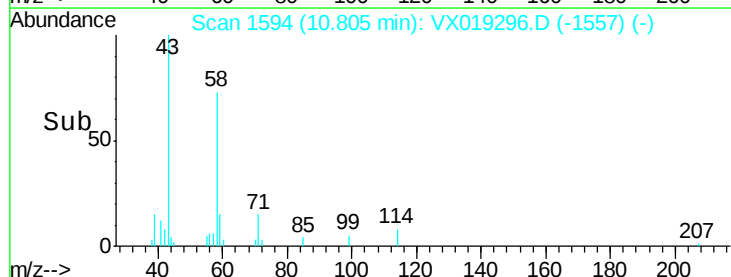


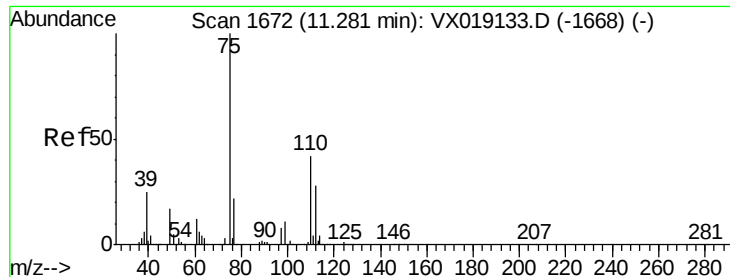
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 24.549 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Instrument :

MSVOA_X

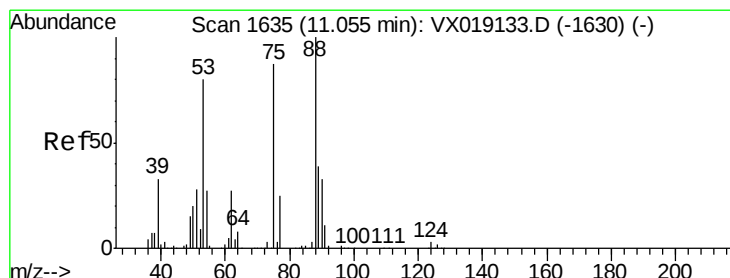
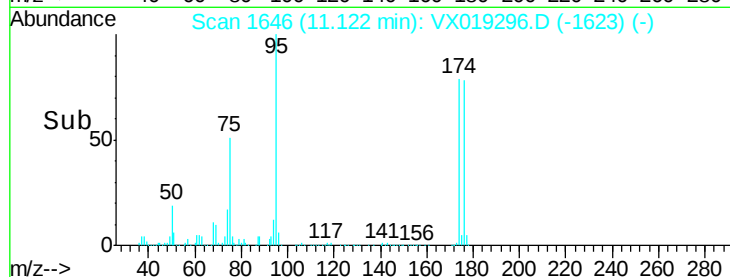
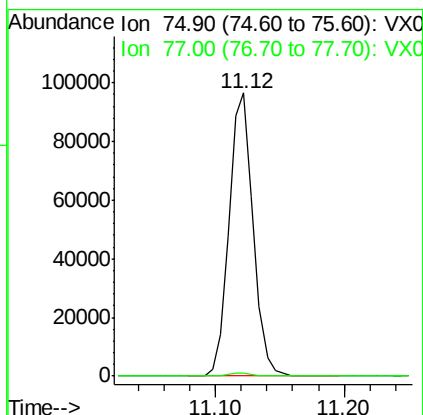
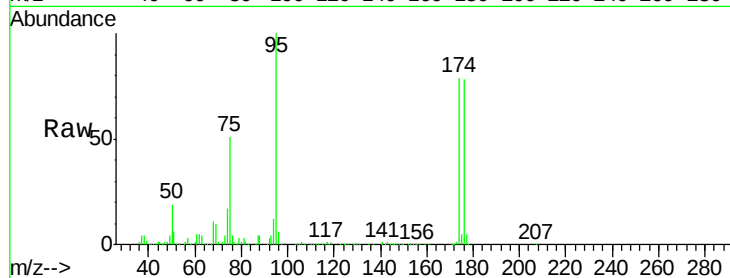
ClientSampled :

Tot Ion: 75 Resp: 125992

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.637 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019296.D

Acq: 05 Nov 2020 01:40

Tgt Ion: 75 Resp: 125992

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

