

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033485.D
 Acq On : 19 Dec 2022 15:31
 Operator : JC/MD
 Sample : PB149722ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:01:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

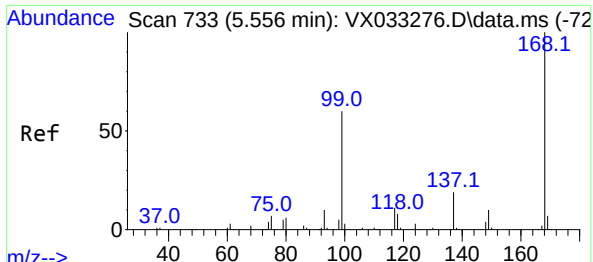
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183449	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36481	50.647	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.300%
35) Dibromofluoromethane	5.385	113	40814	49.464	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.920%
50) Toluene-d8	8.647	98	86071	49.864	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.720%
62) 4-Bromofluorobenzene	11.079	95	66344	50.268	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1061	4.818	ug/l #	72
16) Acetone	2.379	43	22447	42.115	ug/l	99
18) Methyl Acetate	2.703	43	1377	0.892	ug/l	93
20) Methylene Chloride	2.788	84	5888	4.953	ug/l	84
25) 2-Butanone	4.562	43	3723	4.866	ug/l	96
29) Tetrahydrofuran	5.025	42	101	0.204	ug/l #	31
31) Cyclohexane	5.556	56	2233	1.304	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	7960	4.948	ug/l #	51
37) Ethyl Acetate	4.721	43	16221	10.667	ug/l	99
38) Carbon Tetrachloride	5.556	117	11475	6.366	ug/l #	15
43) Isopropyl Acetate	6.336	43	70906	28.979	ug/l	98
48) Methyl methacrylate	7.799	41	67696	53.608	ug/l #	42
49) 1,4-Dioxane	7.793	88	74	2.570	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	62927	40.669	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	472	2.740	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28044	14.795	ug/l #	58
56) Ethyl methacrylate	9.244	69	586	0.326	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3853	1.881	ug/l #	42
59) 2-Hexanone	9.482	43	50403	44.203	ug/l #	53
74) N-amyl acetate	10.817	43	910	0.480	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	34019	21.791	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34019	67.784	ug/l #	6

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

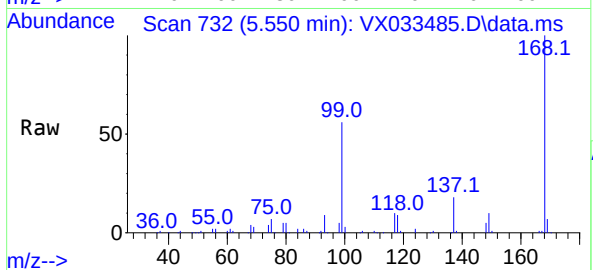
Quant Time: Dec 20 05:01:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



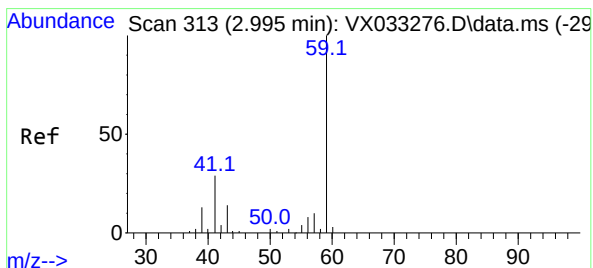
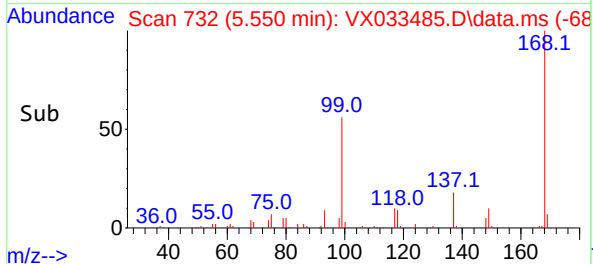
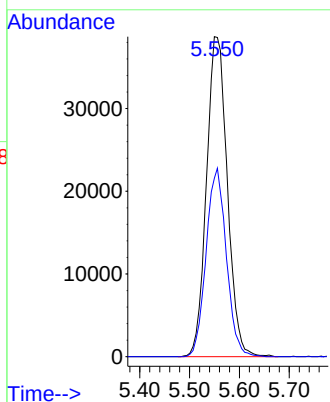


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :

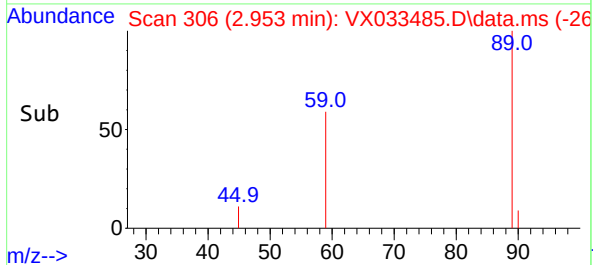
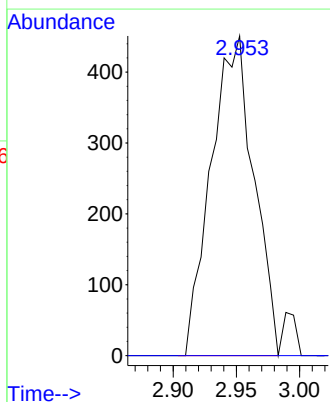
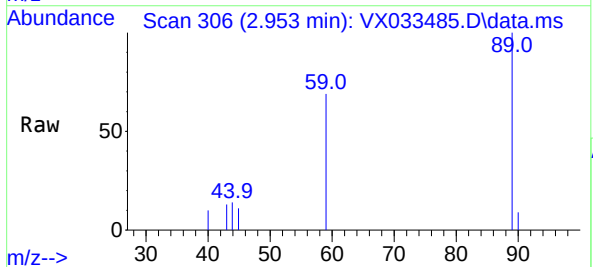


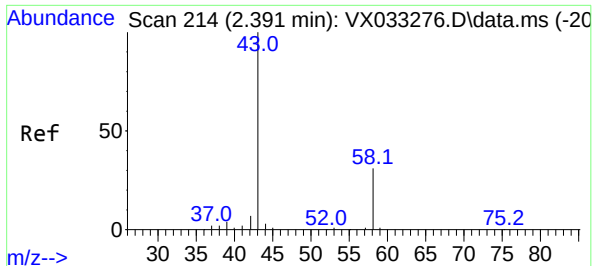
Tgt Ion:168 Resp: 112277
Ion Ratio Lower Upper
168 100
99 55.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 4.818 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.042 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 59 Resp: 1061
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

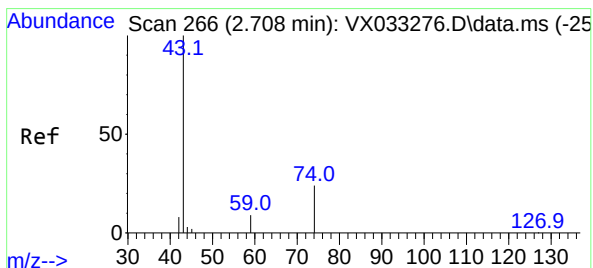
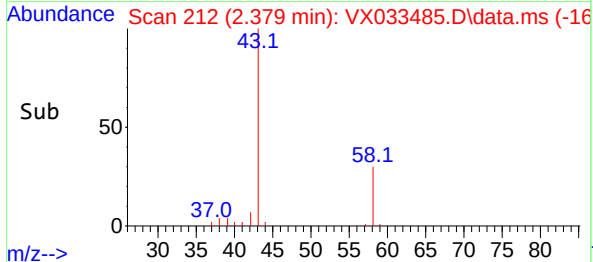
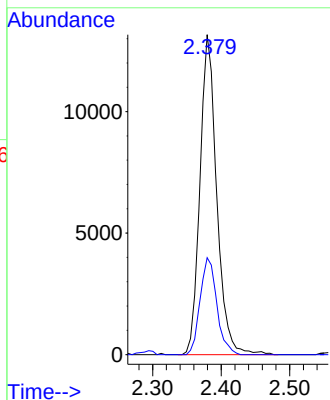
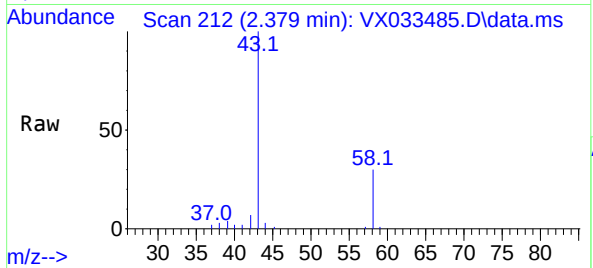




#16
Acetone
Concen: 42.115 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

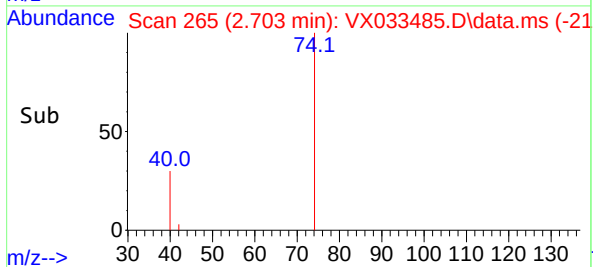
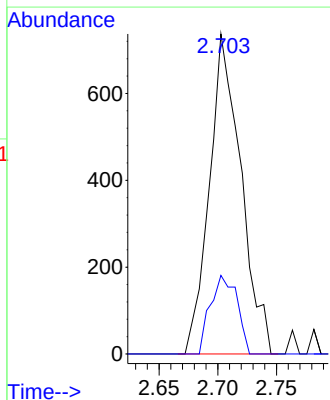
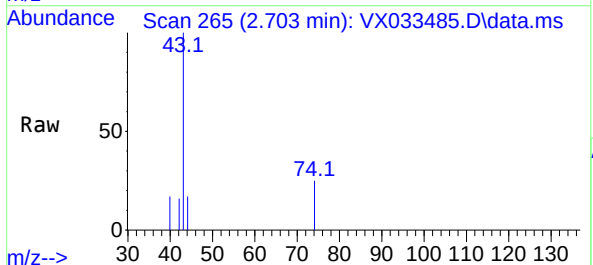
Instrument :
MSVOA_X
ClientSampleId :

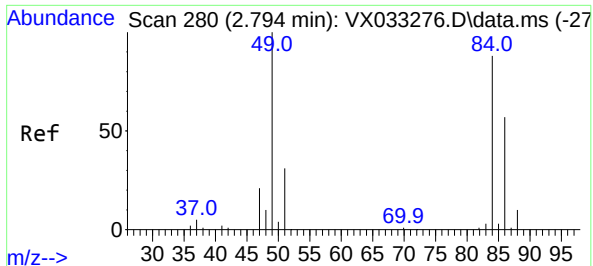
Tgt Ion: 43 Resp: 22447
Ion Ratio Lower Upper
43 100
58 30.3 23.8 35.8



#18
Methyl Acetate
Concen: 0.892 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.0





#20

Methylene Chloride

Concen: 4.953 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.006 min

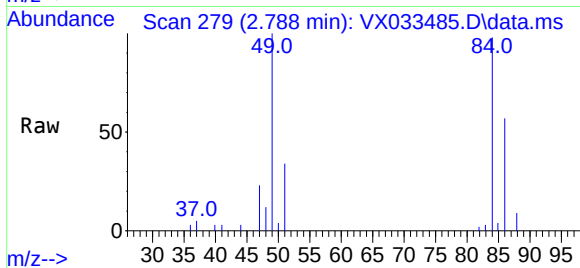
Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 5888

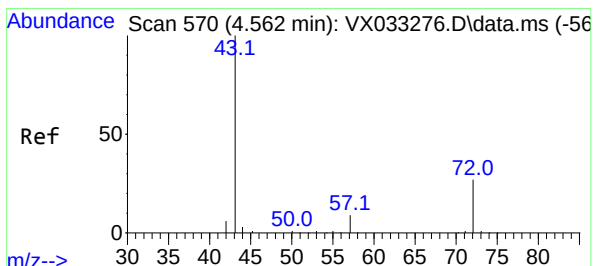
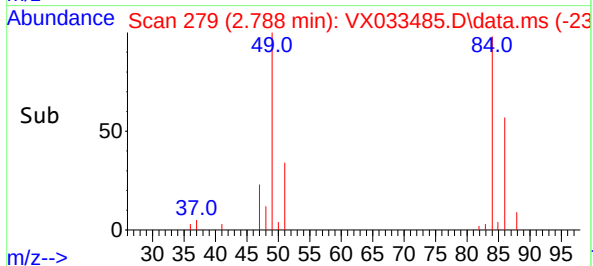
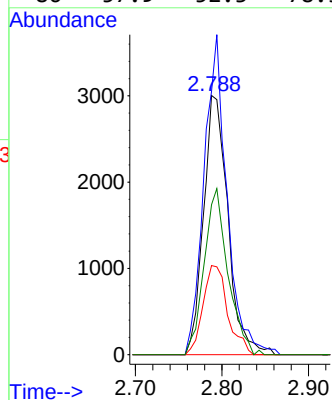
Ion Ratio Lower Upper

84 100

49 101.6 101.0 151.6

51 34.4 31.1 46.7

86 57.9 52.3 78.5



#25

2-Butanone

Concen: 4.866 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX033485.D

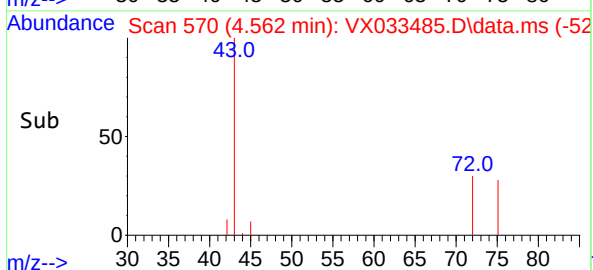
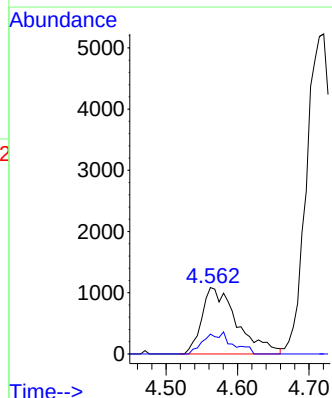
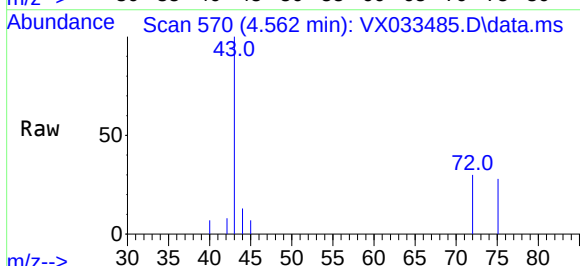
Acq: 19 Dec 2022 15:31

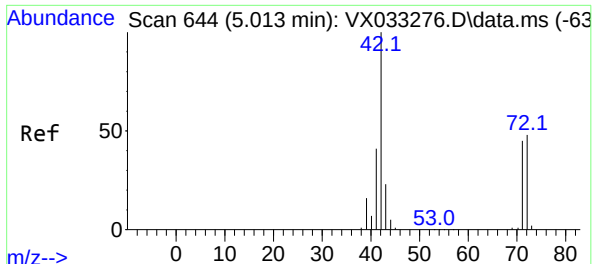
Tgt Ion: 43 Resp: 3723

Ion Ratio Lower Upper

43 100

72 29.8 22.2 33.2

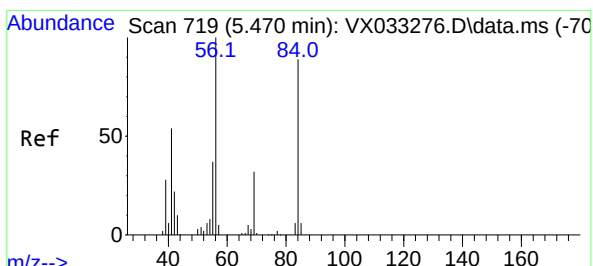
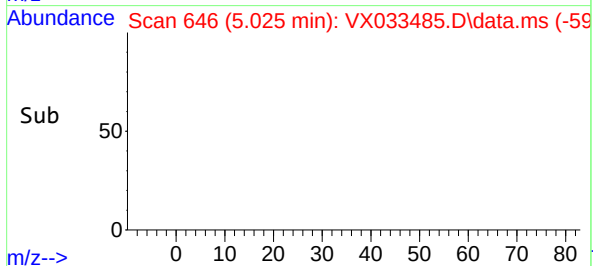
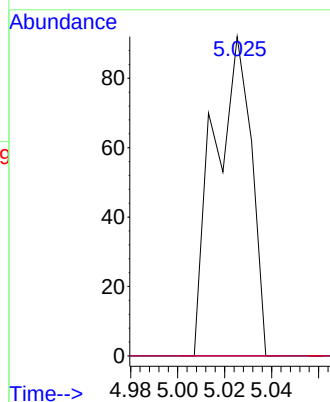
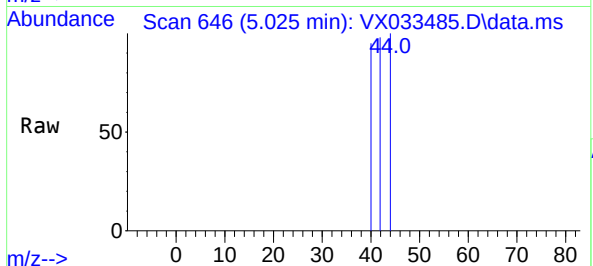




#29
Tetrahydrofuran
Concen: 0.204 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

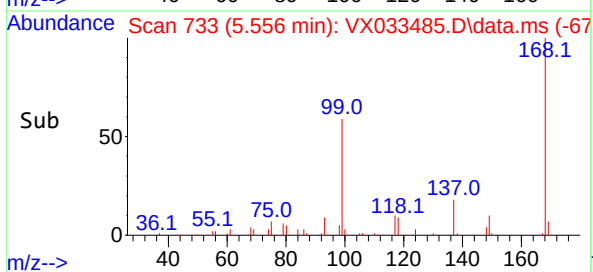
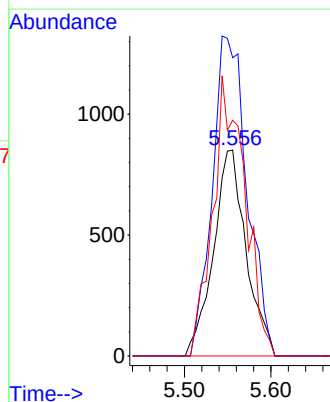
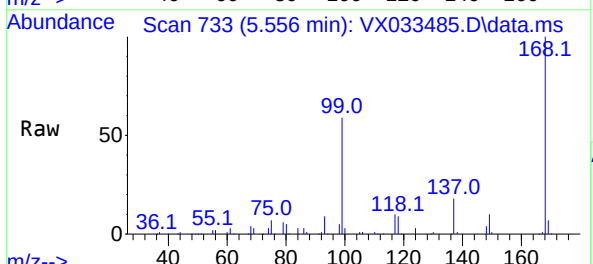
Instrument :
MSVOA_X
ClientSampleId :

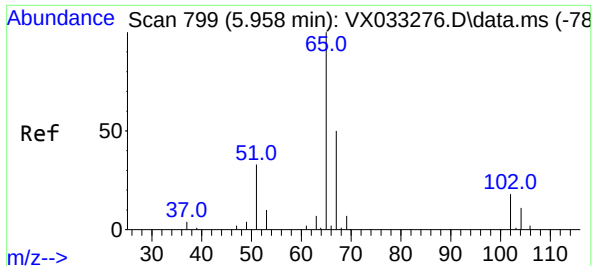
Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 34.7 52.1#



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 56 Resp: 2233
Ion Ratio Lower Upper
56 100
69 144.8 24.1 36.1#
84 114.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 50.647 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_X

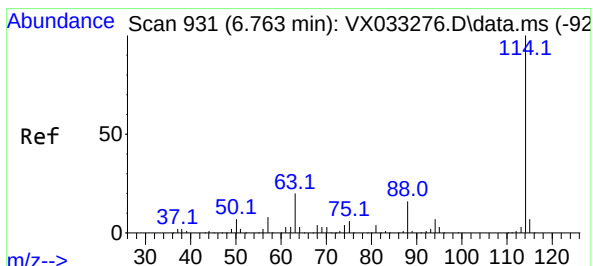
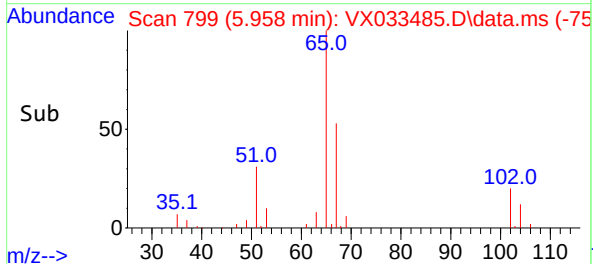
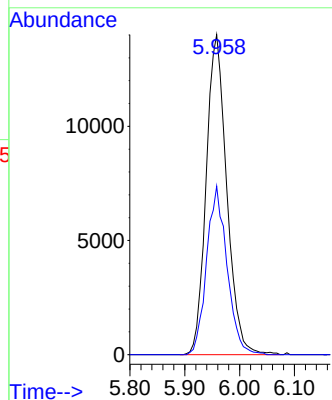
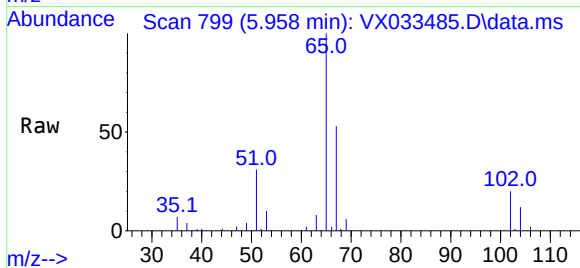
ClientSampleId :

Tgt Ion: 65 Resp: 36481

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

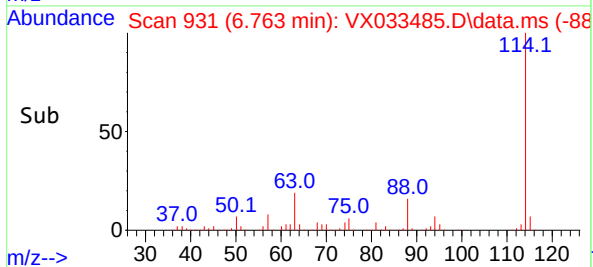
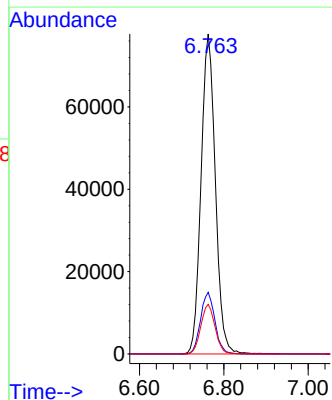
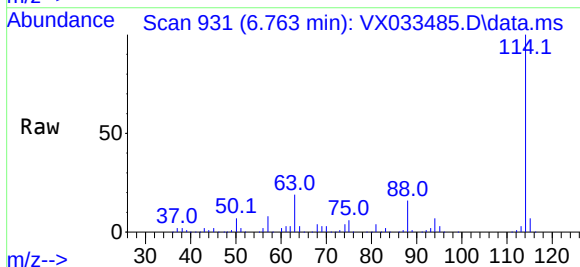
Tgt Ion:114 Resp: 183449

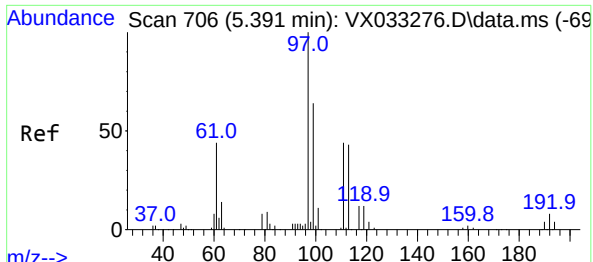
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.6

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.464 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

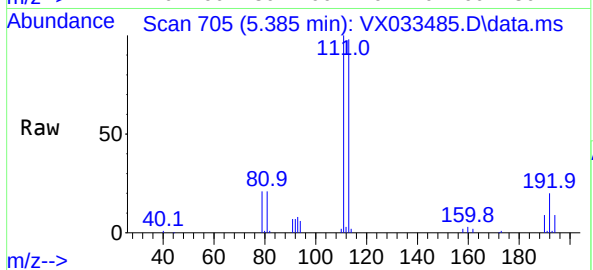
Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :



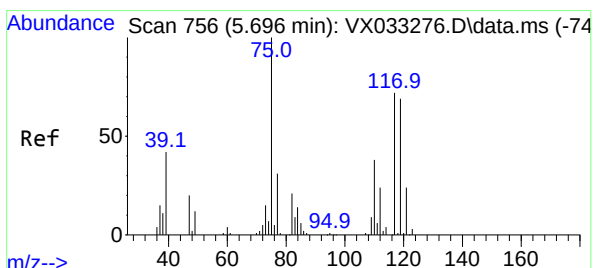
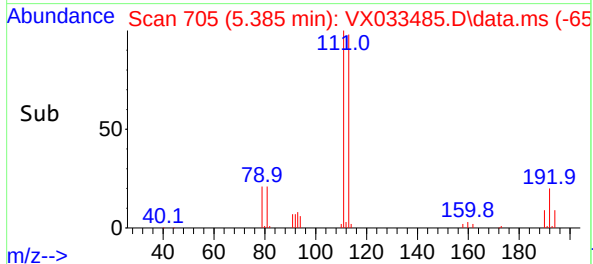
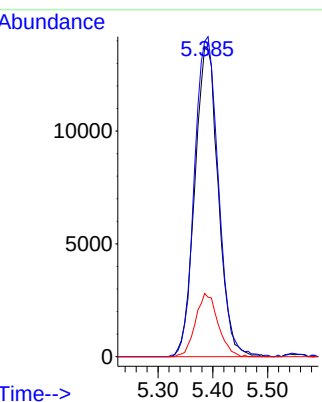
Tgt Ion:113 Resp: 40814

Ion Ratio Lower Upper

113 100

111 105.0 82.4 123.6

192 19.6 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

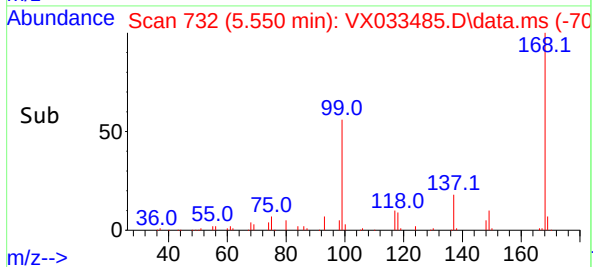
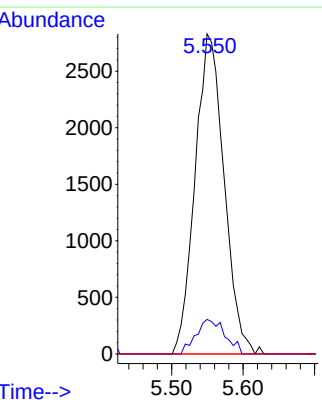
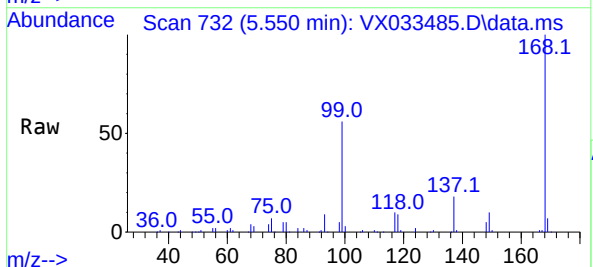
Tgt Ion: 75 Resp: 7960

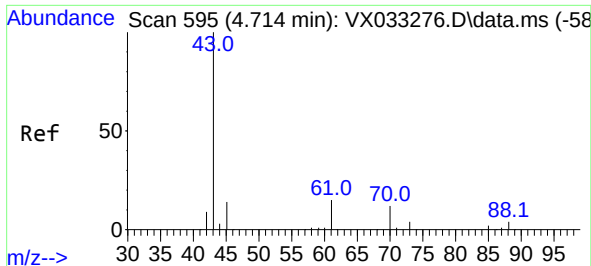
Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.667 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX033485.D

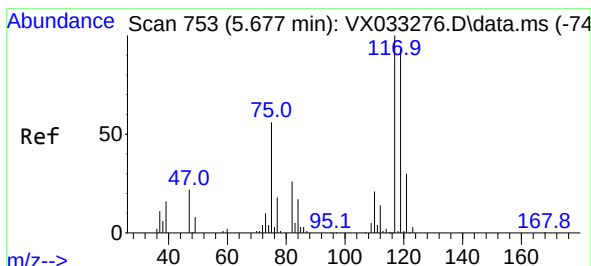
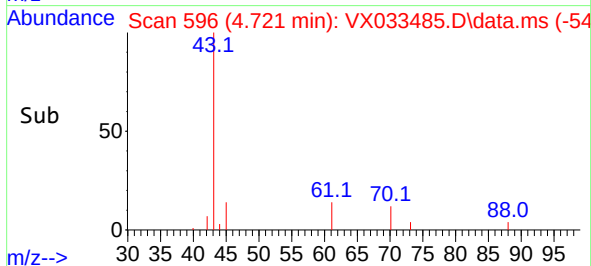
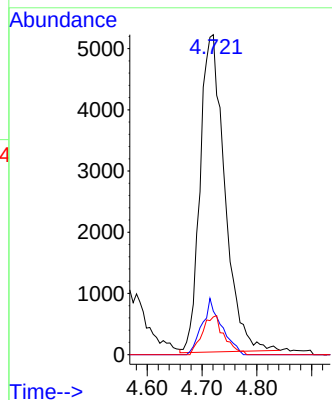
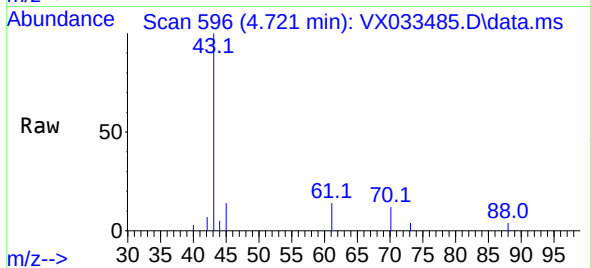
Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp: 16221
Ion Ratio	Lower Upper
43 100	
61 13.8	11.5 17.3
70 10.8	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.366 ug/l

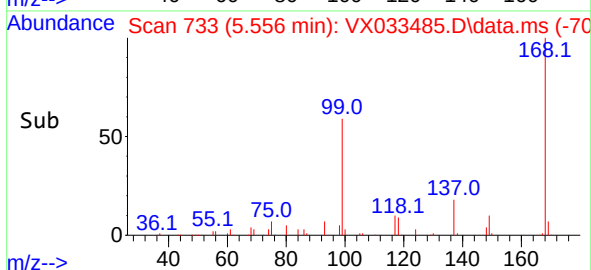
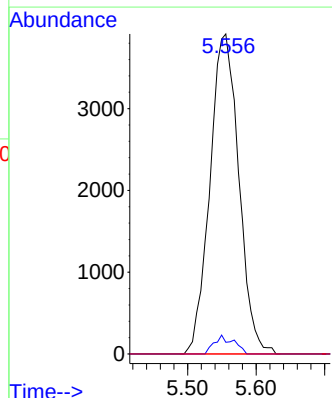
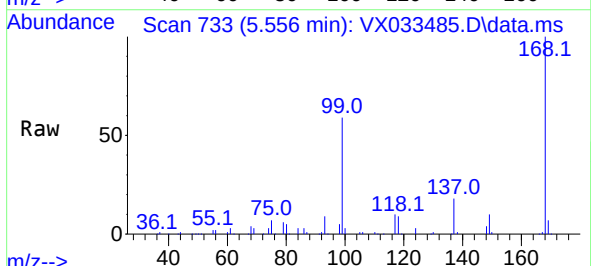
RT: 5.556 min Scan# 733

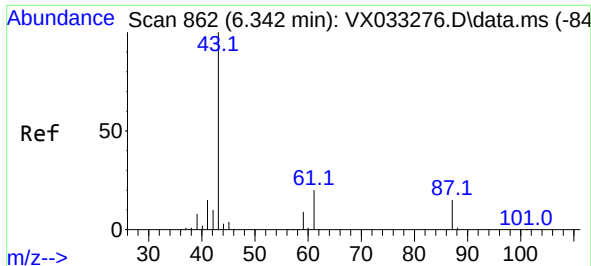
Delta R.T. -0.122 min

Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

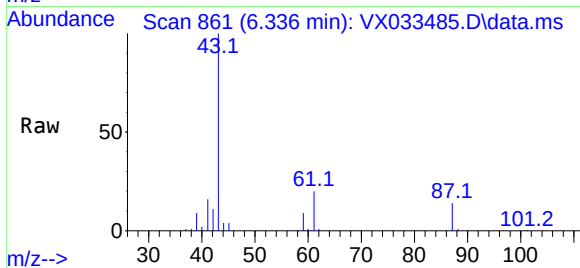
Tgt Ion: 117	Resp: 11475
Ion Ratio	Lower Upper
117 100	
119 3.7	77.2 115.8#
121 0.0	25.8 38.6#



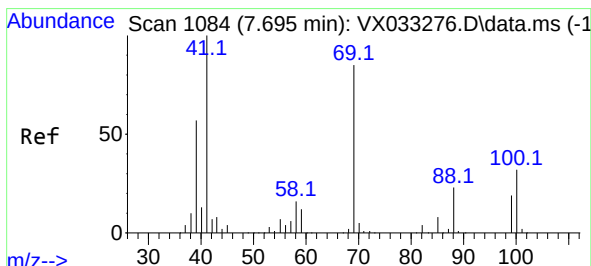
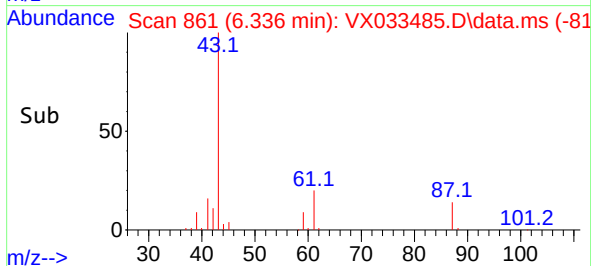
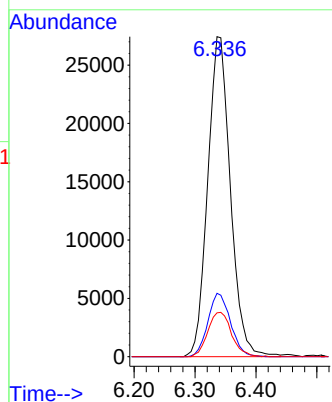


#43
Isopropyl Acetate
Concen: 28.979 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :

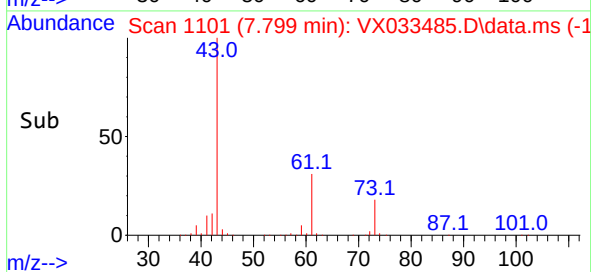
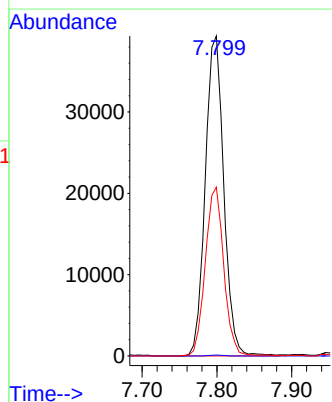
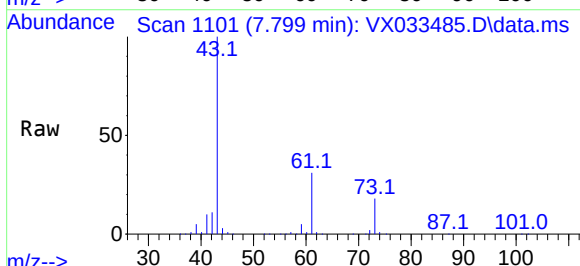


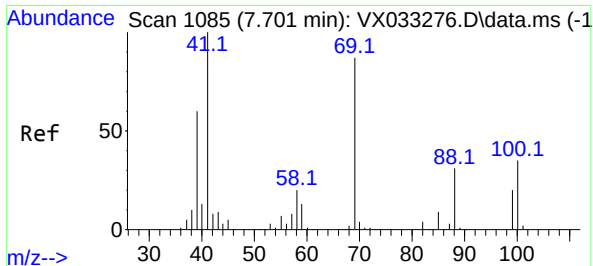
Tgt Ion: 43 Resp: 70906
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 14.5 10.8 16.2



#48
Methyl methacrylate
Concen: 53.608 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 41 Resp: 67696
Ion Ratio Lower Upper
41 100
69 0.2 65.1 97.7#
39 52.8 51.9 77.9

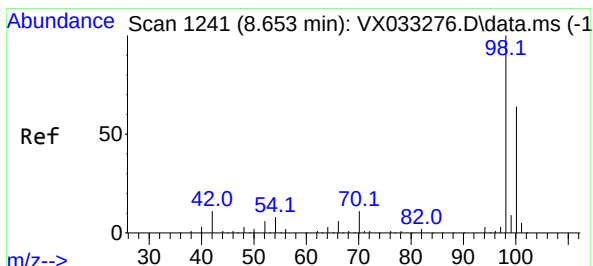
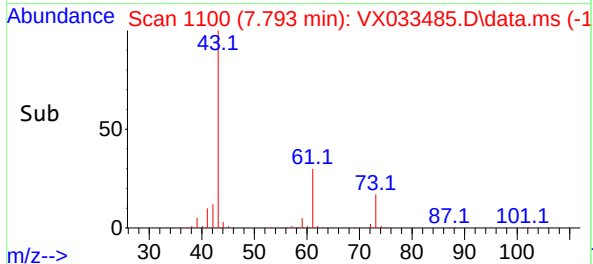
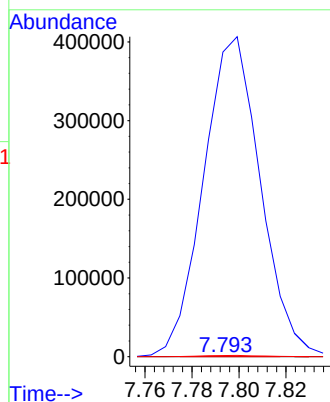
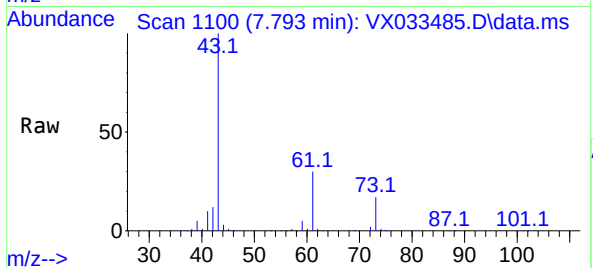




#49
1,4-Dioxane
Concen: 2.570 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.092 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

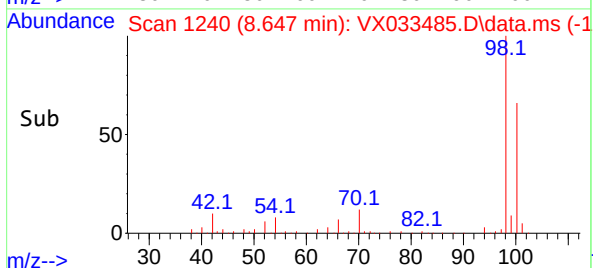
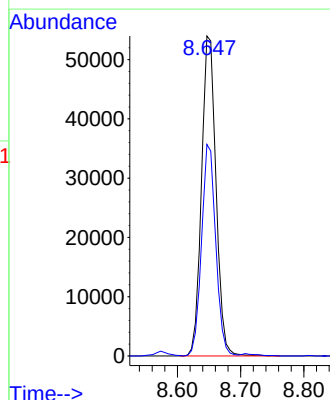
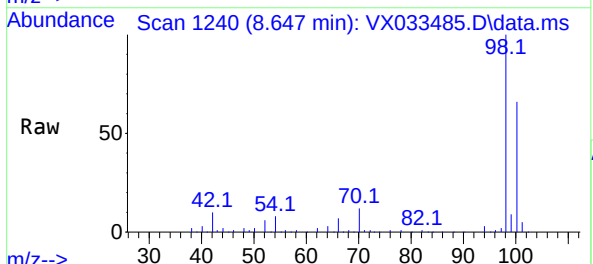
Instrument :
MSVOA_X
ClientSampleId :

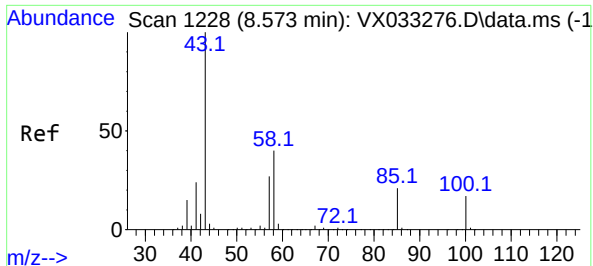
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 933591.9 26.6 39.8#
58 3777.0 51.7 77.5#



#50
Toluene-d8
Concen: 49.864 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 98 Resp: 86071
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 40.669 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033485.D

Acq: 19 Dec 2022 15:31

Instrument :

MSVOA_X

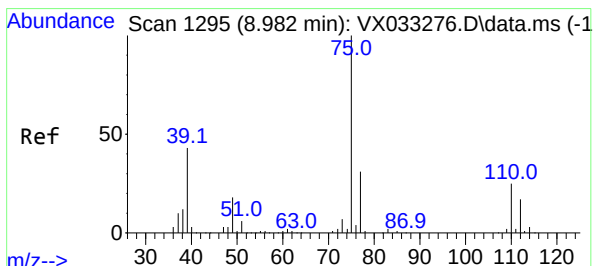
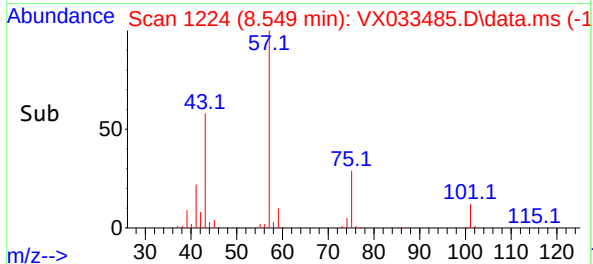
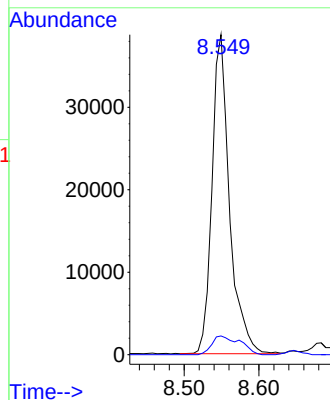
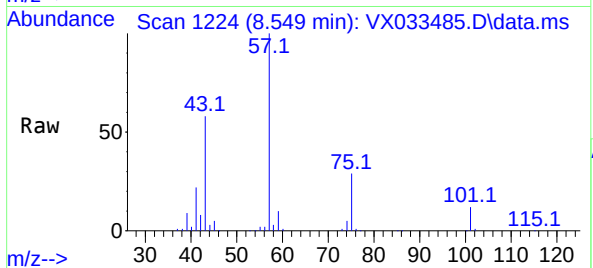
ClientSampleId :

Tgt Ion: 43 Resp: 62927

Ion Ratio Lower Upper

43 100

58 9.5 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 2.740 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX033485.D

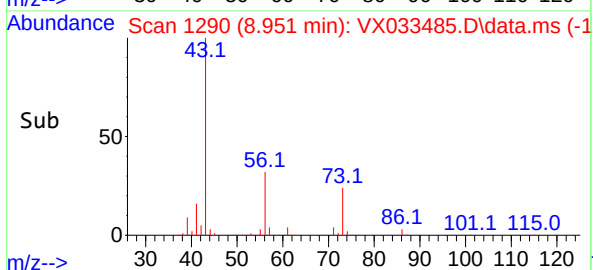
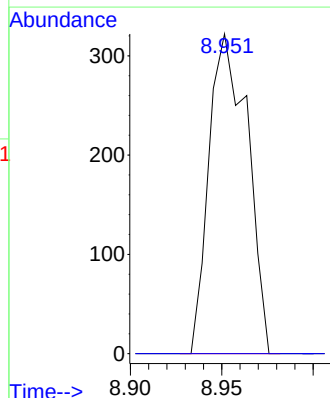
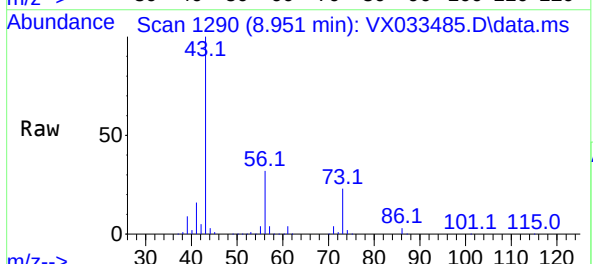
Acq: 19 Dec 2022 15:31

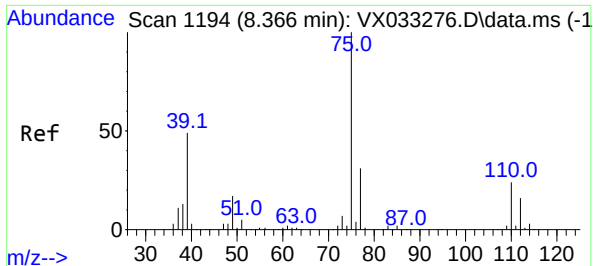
Tgt Ion: 75 Resp: 472

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

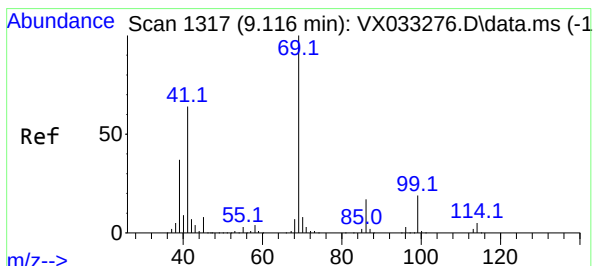
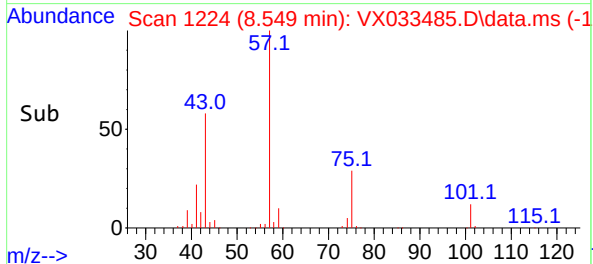
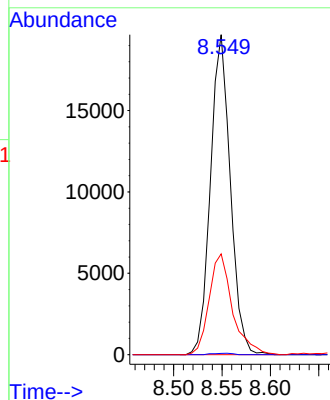
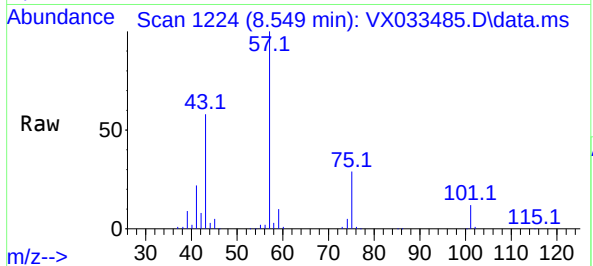




#54
cis-1,3-Dichloropropene
Concen: 14.795 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

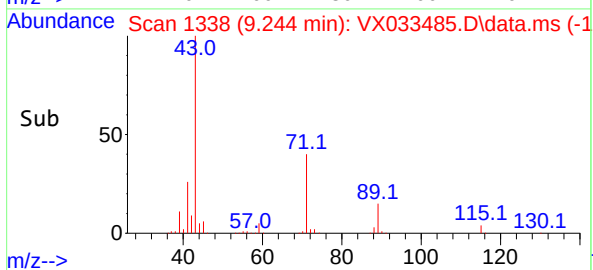
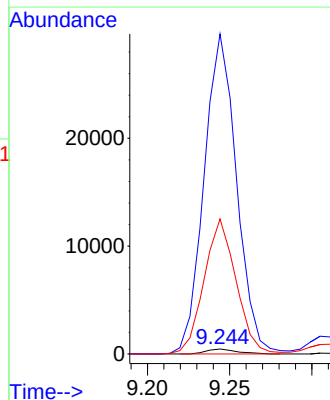
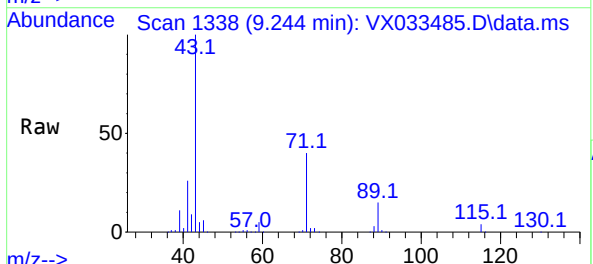
Instrument :
MSVOA_X
ClientSampleId :

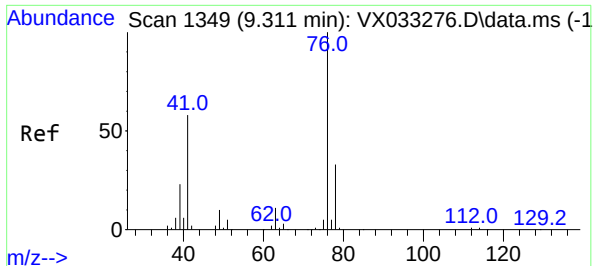
Tgt Ion: 75 Resp: 28044
Ion Ratio Lower Upper
75 100
77 0.4 25.1 37.7#
39 31.5 45.5 68.3#



#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 69 Resp: 586
Ion Ratio Lower Upper
69 100
41 6987.9 54.3 81.5#
39 2889.8 35.2 52.8#

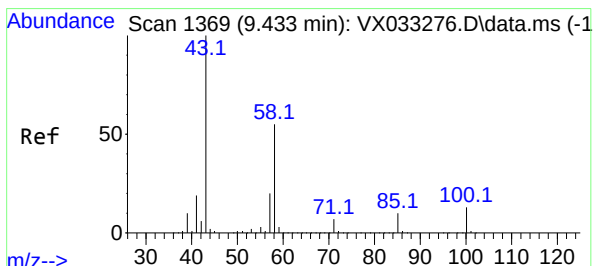
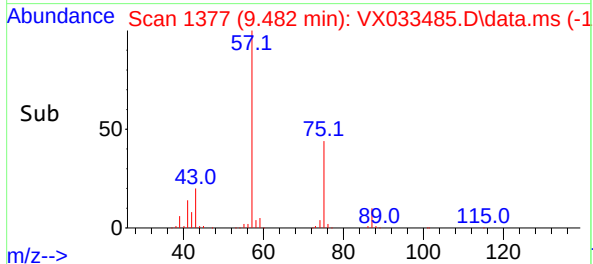
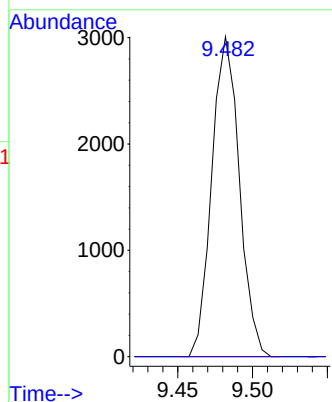
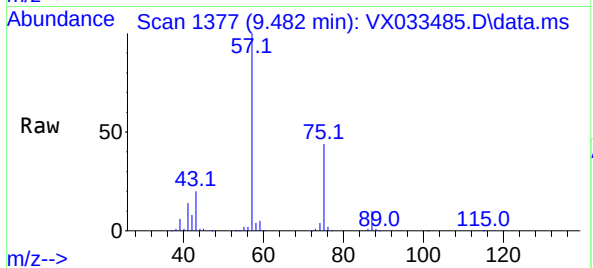




#57
1,3-Dichloropropane
Concen: 1.881 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

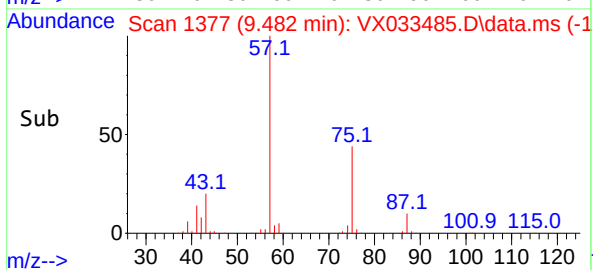
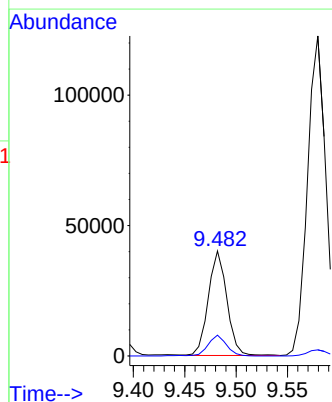
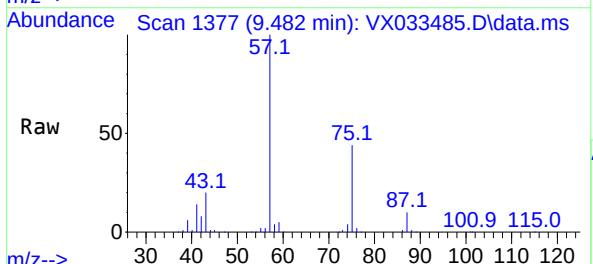
Instrument :
MSVOA_X
ClientSampleId :

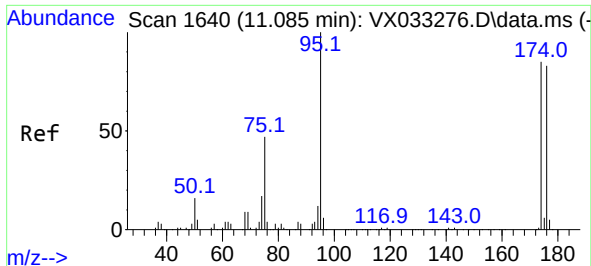
Tgt Ion: 76 Resp: 3853
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 44.203 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 43 Resp: 50403
Ion Ratio Lower Upper
43 100
58 19.8 26.5 79.5#

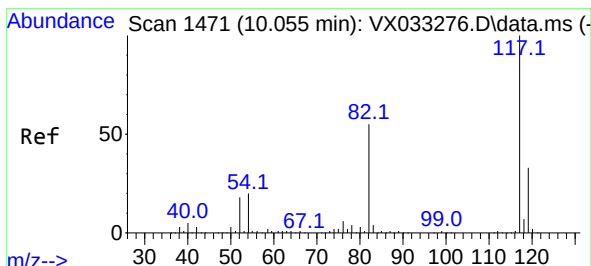
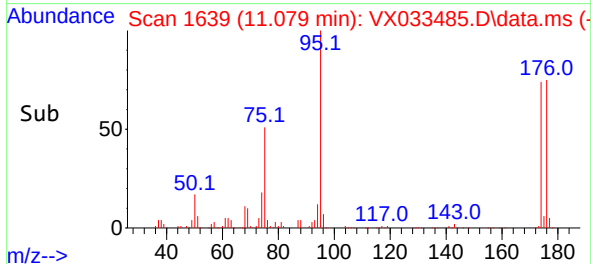
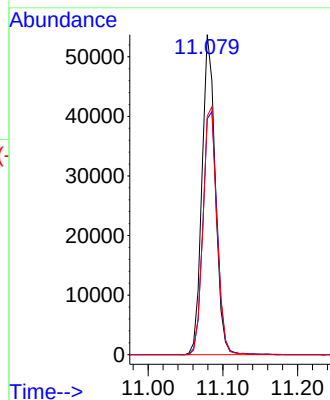
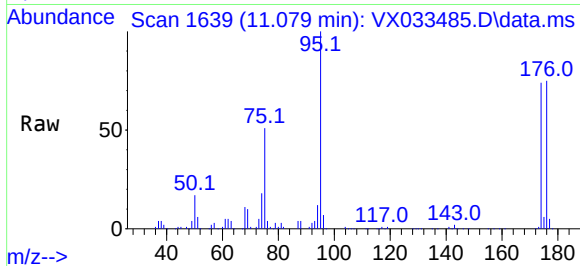




#62
4-Bromofluorobenzene
Concen: 50.268 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

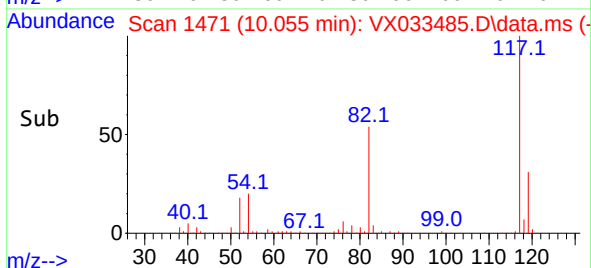
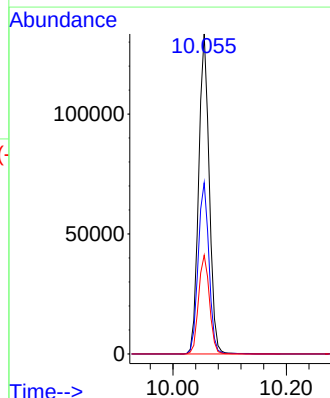
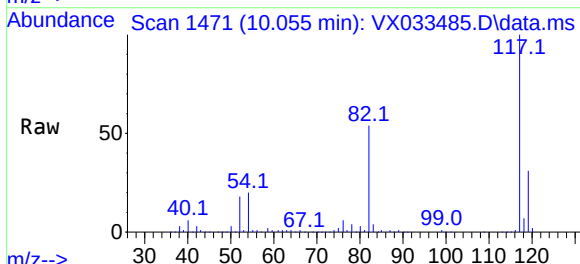
Instrument :
MSVOA_X
ClientSampleId :

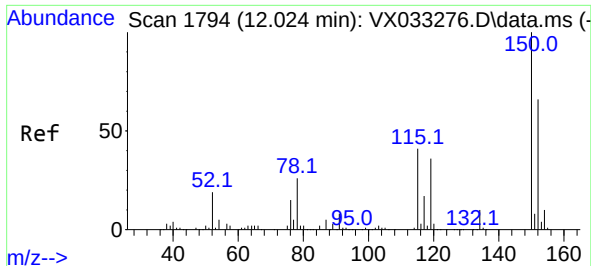
Tgt Ion: 95 Resp: 66344
Ion Ratio Lower Upper
95 100
174 81.4 0.0 164.0
176 80.9 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

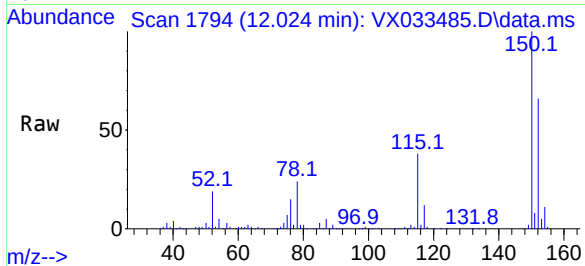
Tgt Ion: 117 Resp: 172530
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 30.9 25.7 38.5



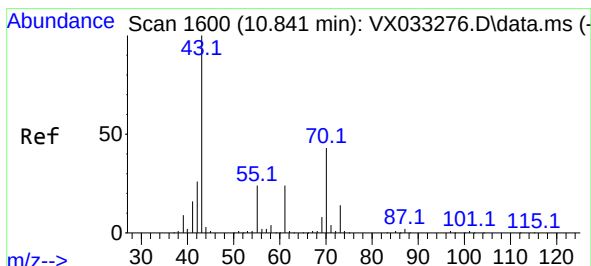
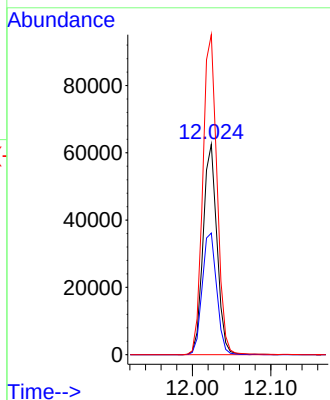
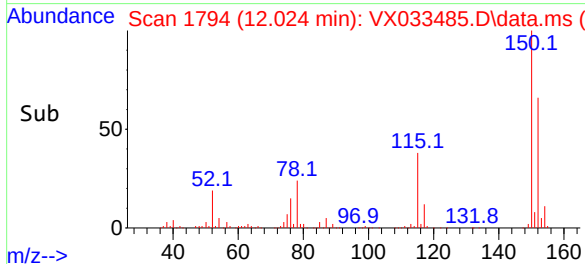


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

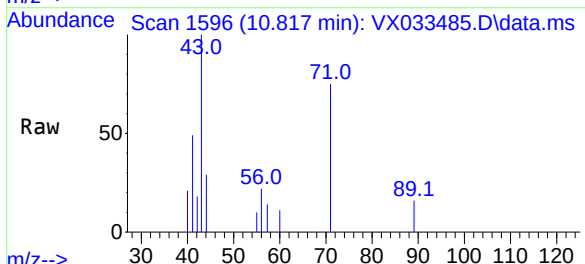
Instrument :
MSVOA_X
ClientSampleId :



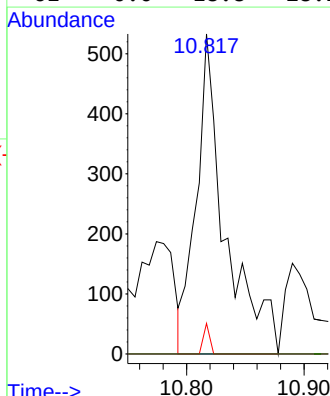
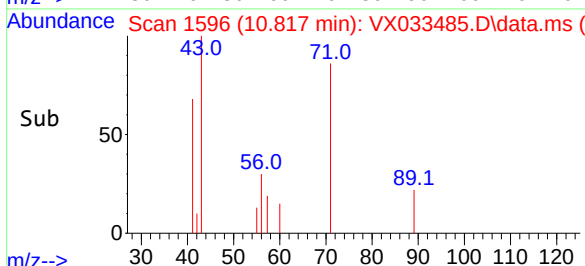
Tgt Ion:152 Resp: 76734
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 156.0 0.0 351.8

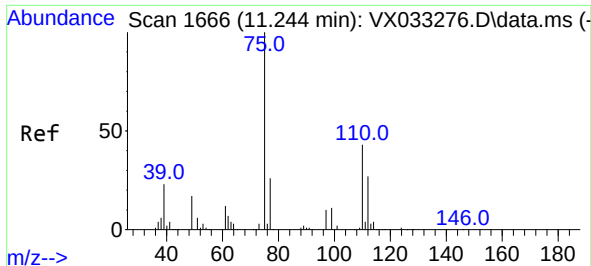


#74
N-ethyl acetate
Concen: 0.480 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31



Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

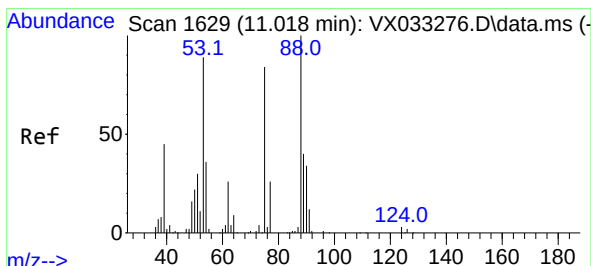
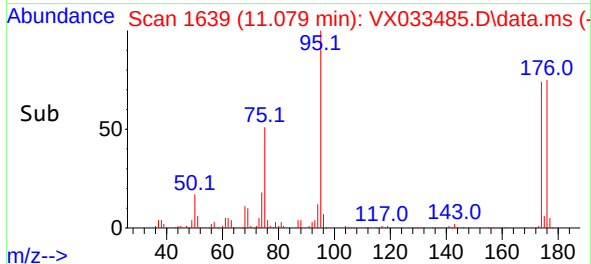
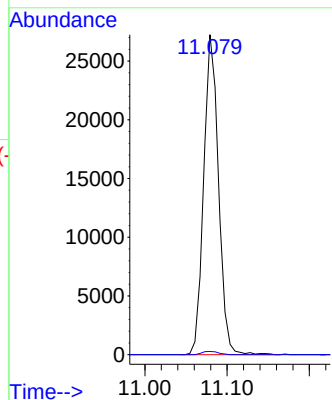
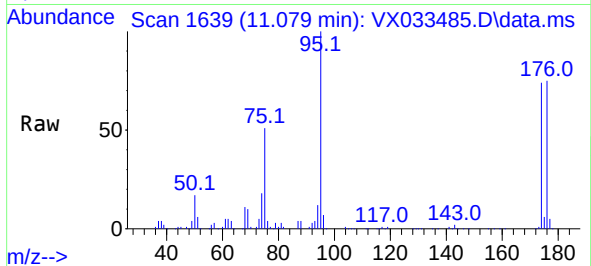




#76
1,2,3-Trichloropropane
Concen: 21.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34019
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.784 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033485.D
Acq: 19 Dec 2022 15:31

Tgt Ion: 75 Resp: 34019
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

