

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033482.D
 Acq On : 19 Dec 2022 14:22
 Operator : JC/MD
 Sample : PB149722ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:00:53 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)

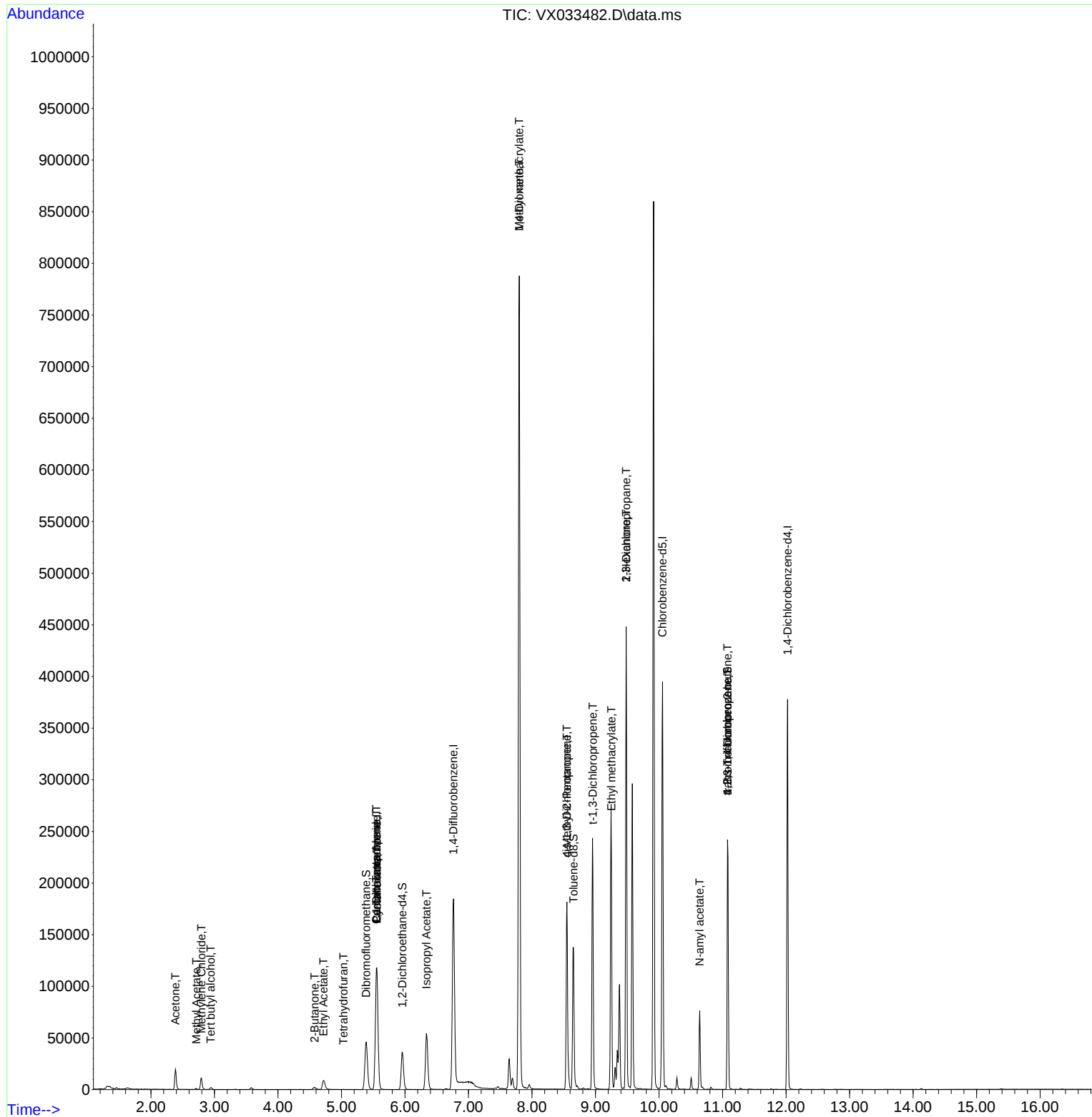
Internal Standards						
1) Pentafluorobenzene	5.556	168	115218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36746	49.713	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.420%		
35) Dibromofluoromethane	5.385	113	40598	47.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.940%		
50) Toluene-d8	8.653	98	85255	48.157	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.320%		
62) 4-Bromofluorobenzene	11.079	95	66134	48.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1322	5.850	ug/l #	72
16) Acetone	2.386	43	22645	41.402	ug/l	98
18) Methyl Acetate	2.715	43	1398	0.883	ug/l #	90
20) Methylene Chloride	2.794	84	5822	4.773	ug/l #	90
25) 2-Butanone	4.574	43	3443	4.385	ug/l	99
29) Tetrahydrofuran	5.031	42	172	0.338	ug/l #	31
31) Cyclohexane	5.556	56	2207	1.256	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	8470	5.133	ug/l #	50
37) Ethyl Acetate	4.714	43	15778	10.116	ug/l	99
38) Carbon Tetrachloride	5.550	117	11839	6.404	ug/l #	14
43) Isopropyl Acetate	6.336	43	73673	29.357	ug/l	98
48) Methyl methacrylate	7.799	41	69791	53.886	ug/l #	42
49) 1,4-Dioxane	7.799	88	60	2.032	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64313	40.525	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	503	2.749	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28738	14.782	ug/l #	57
56) Ethyl methacrylate	9.250	69	680	0.369	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3672	1.748	ug/l #	42
59) 2-Hexanone	9.482	43	50439	43.129	ug/l #	53
74) N-amyl acetate	10.640	43	19291	9.866	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	33094	20.573	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33094	63.997	ug/l #	6

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

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ALS Vial : 13 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :

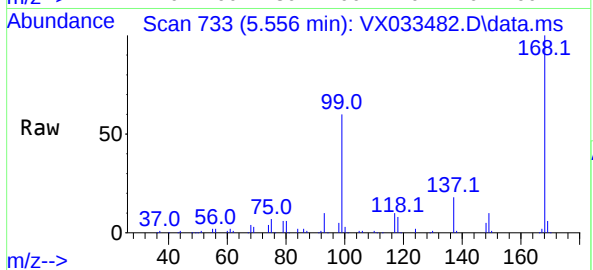
Quant Time: Dec 20 05:00:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



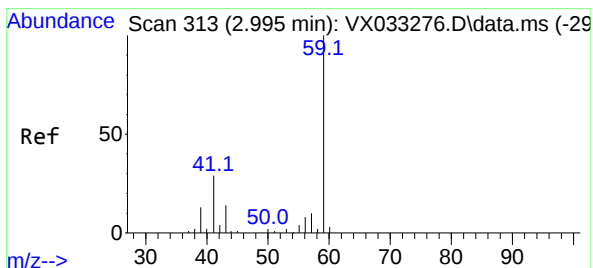
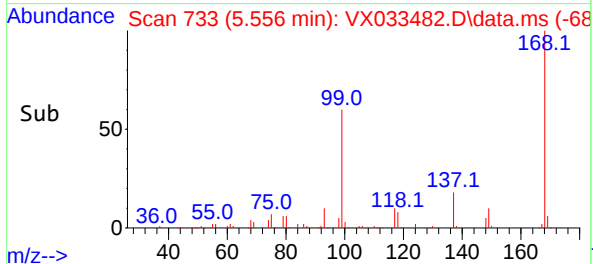
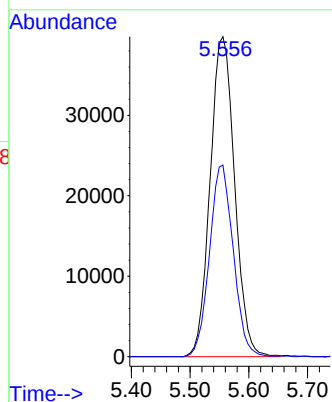


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Instrument :
MSVOA_X
ClientSampleId :

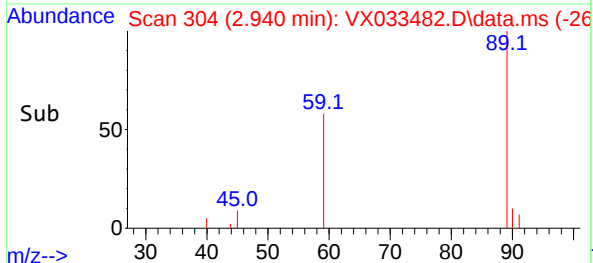
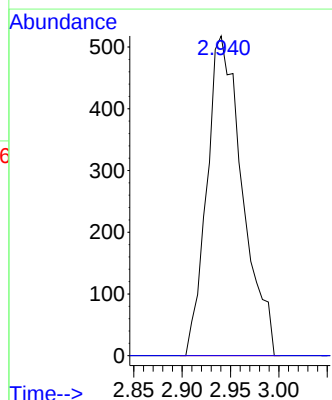
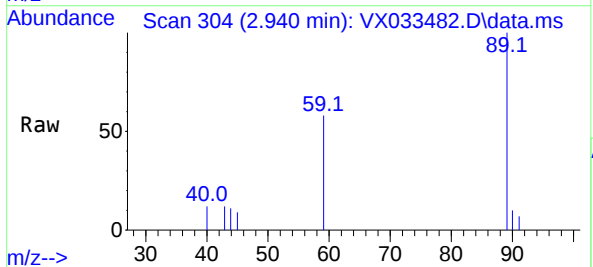


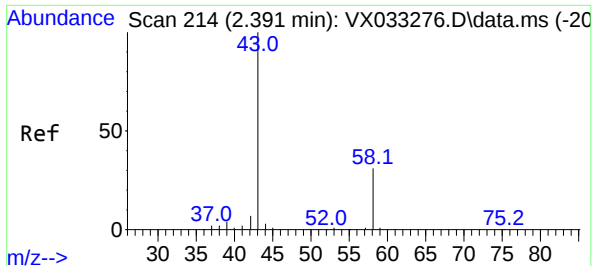
Tgt Ion:168 Resp: 115218
Ion Ratio Lower Upper
168 100
99 59.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 5.850 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Tgt Ion: 59 Resp: 1322
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

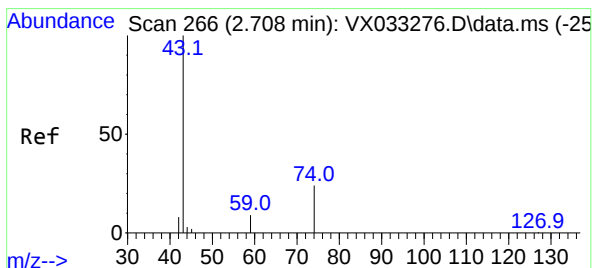
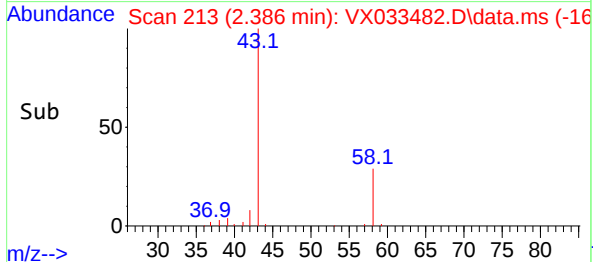
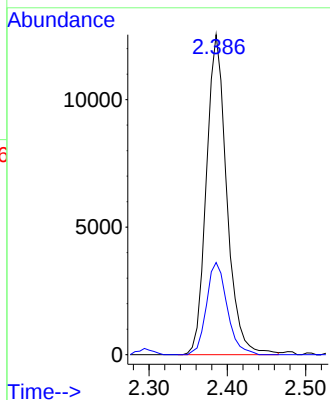
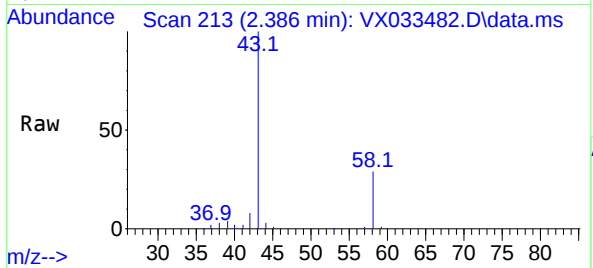




#16
Acetone
Concen: 41.402 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

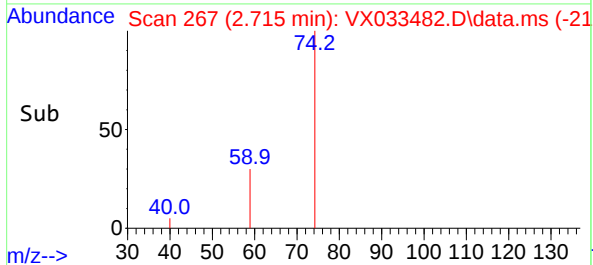
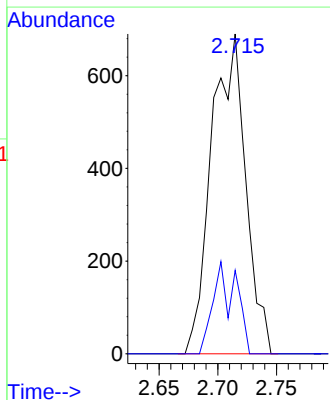
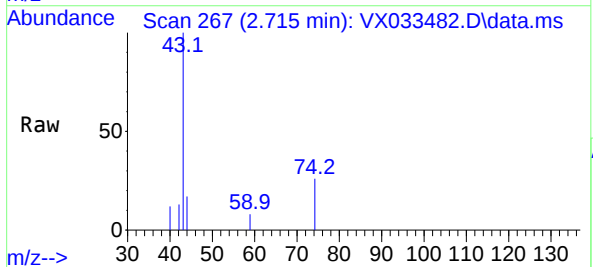
Instrument :
MSVOA_X
ClientSampleId :

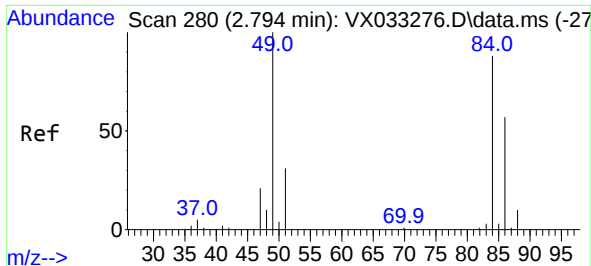
Tgt Ion: 43 Resp: 22645
Ion Ratio Lower Upper
43 100
58 28.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.883 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

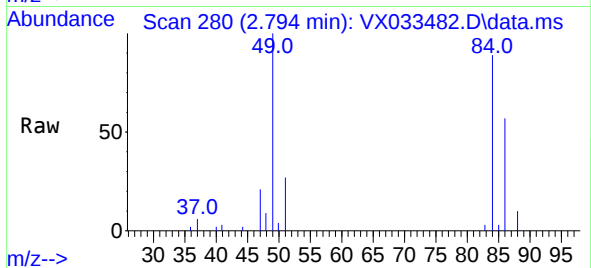
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
74 19.0 19.4 29.0#





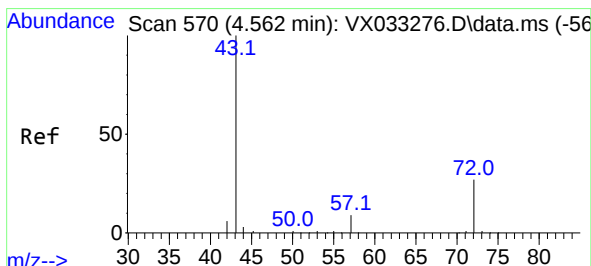
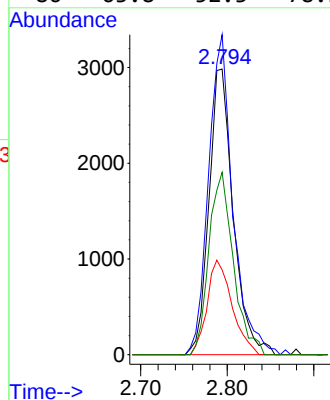
#20
Methylene Chloride
Concen: 4.773 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 5822

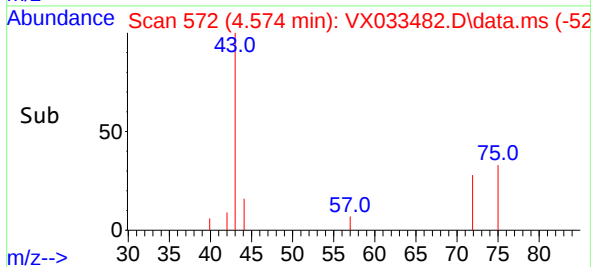
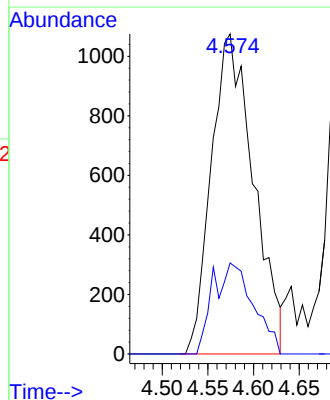
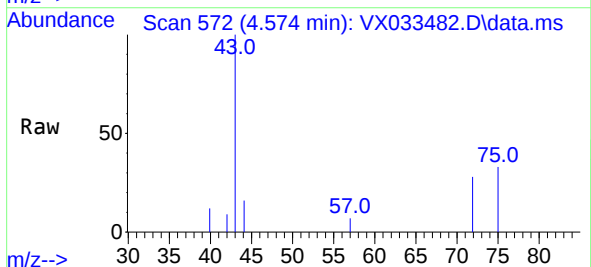
Ion	Ratio	Lower	Upper
84	100		
49	112.0	101.0	151.6
51	29.7	31.1	46.7#
86	63.8	52.3	78.5

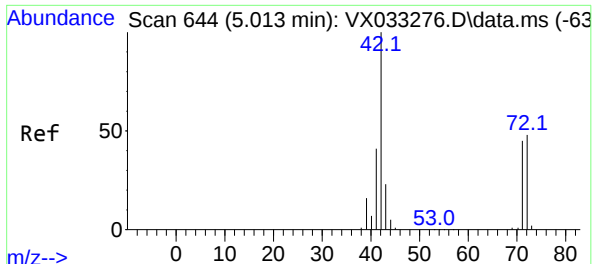


#25
2-Butanone
Concen: 4.385 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Tgt Ion: 43 Resp: 3443

Ion	Ratio	Lower	Upper
43	100		
72	28.5	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.338 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

ClientSampleId :

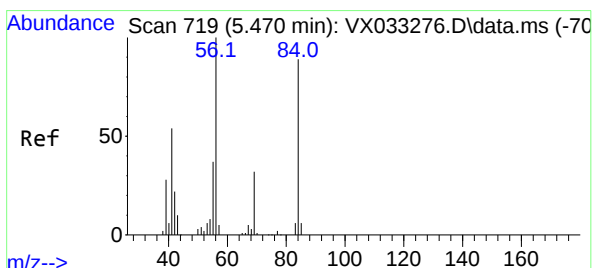
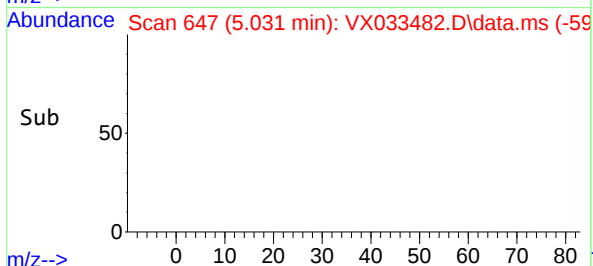
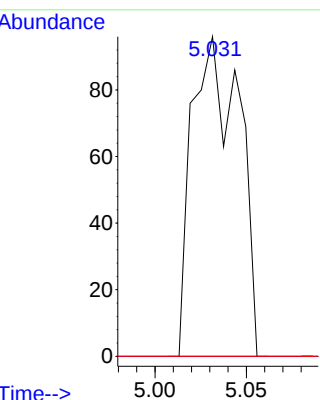
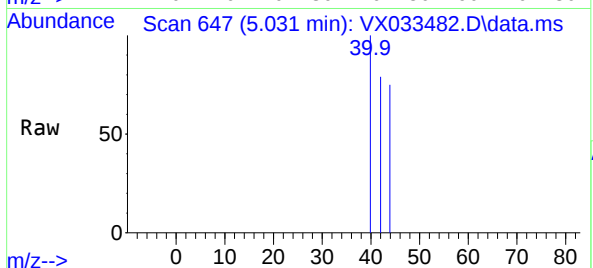
Tgt Ion: 42 Resp: 172

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

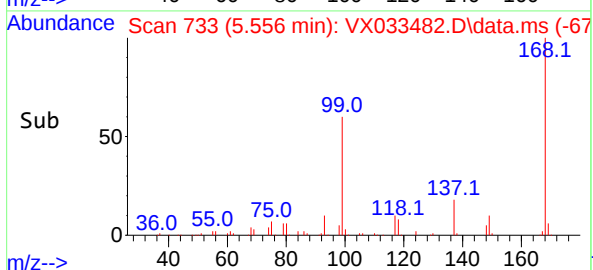
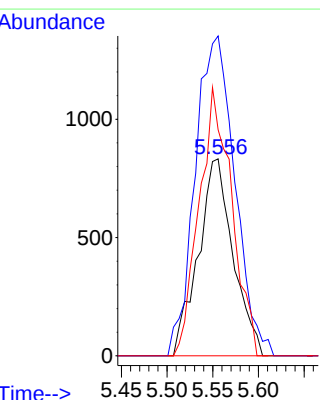
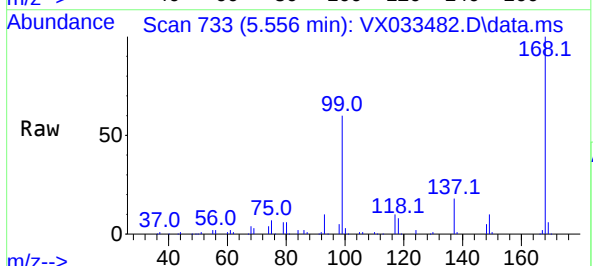
Tgt Ion: 56 Resp: 2207

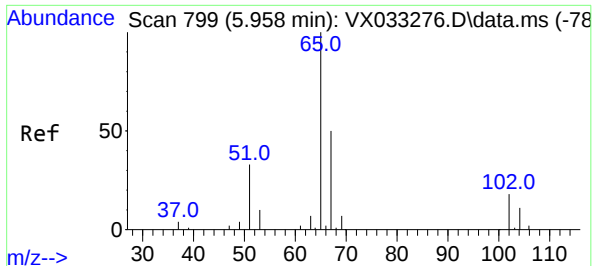
Ion Ratio Lower Upper

56 100

69 162.3 24.1 36.1#

84 114.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.713 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

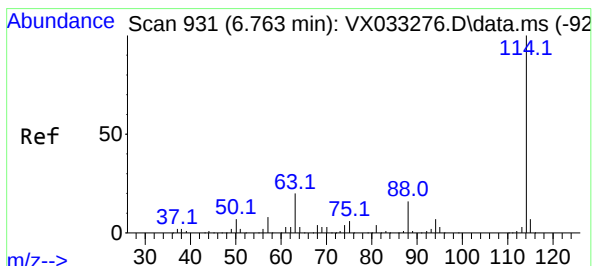
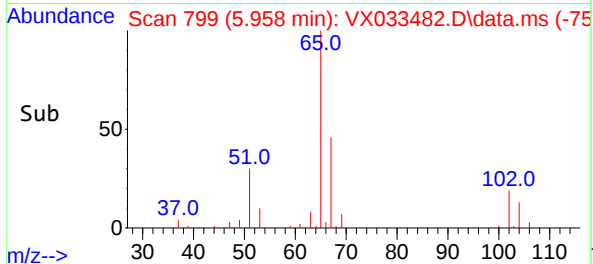
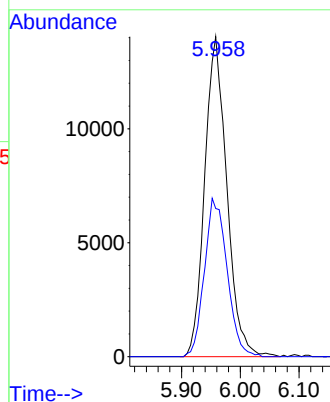
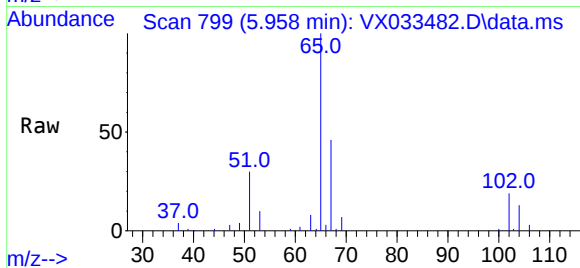
ClientSampleId :

Tgt Ion: 65 Resp: 36746

Ion Ratio Lower Upper

65 100

67 50.7 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: VX033482.D

Acq: 19 Dec 2022 14:22

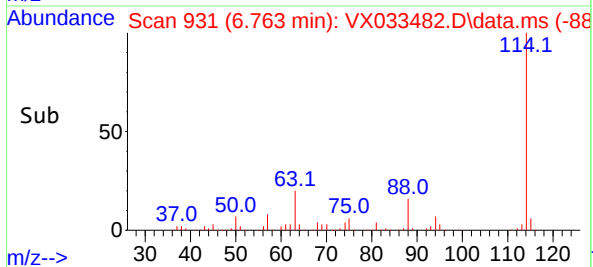
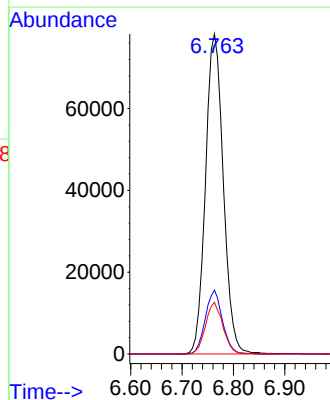
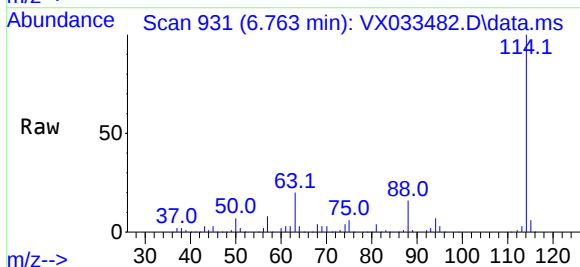
Tgt Ion: 114 Resp: 188153

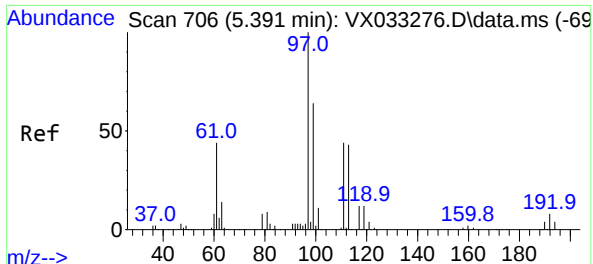
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

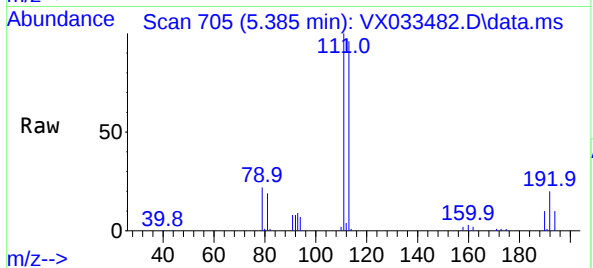
88 16.2 0.0 33.4



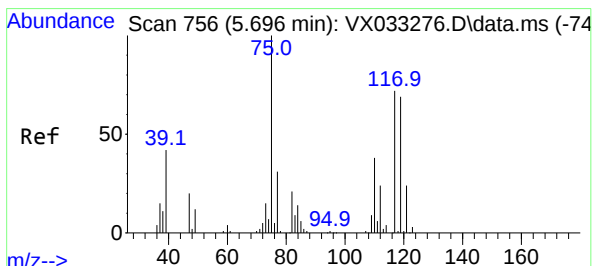
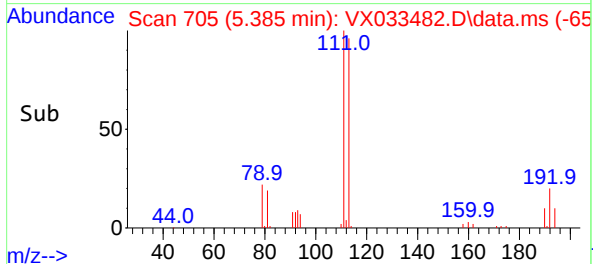
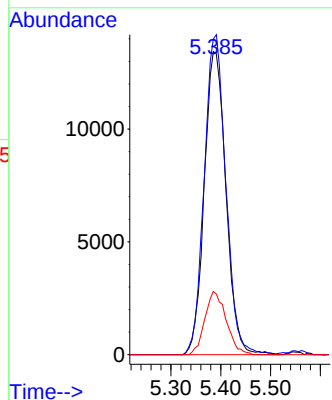


#35
Dibromofluoromethane
Concen: 47.973 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Instrument :
MSVOA_X
ClientSampleId :

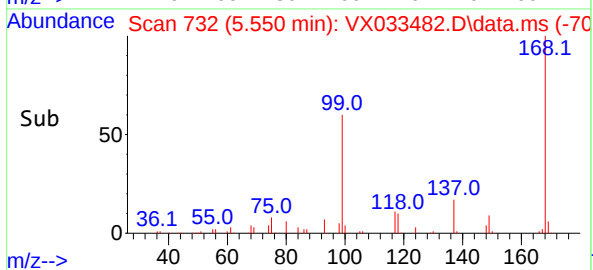
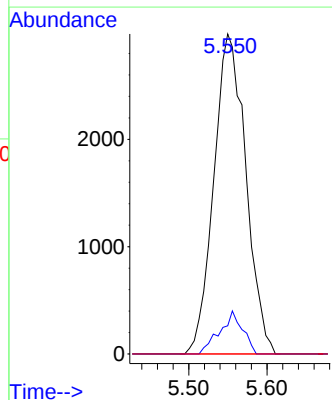
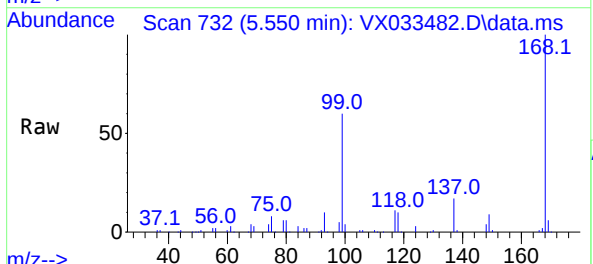


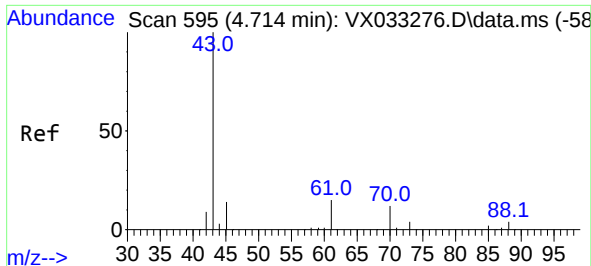
Tgt Ion:113 Resp: 40598
Ion Ratio Lower Upper
113 100
111 105.1 82.4 123.6
192 20.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.133 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Tgt Ion: 75 Resp: 8470
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.116 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033482.D

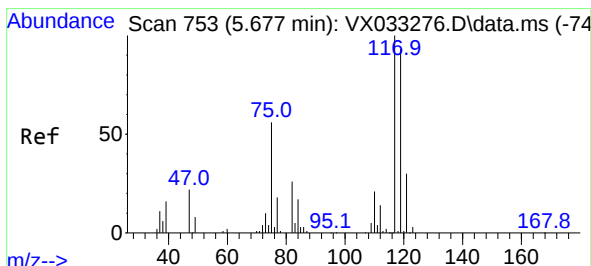
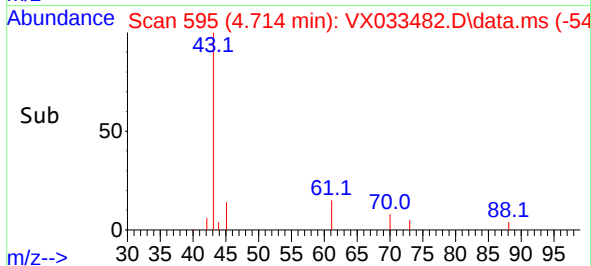
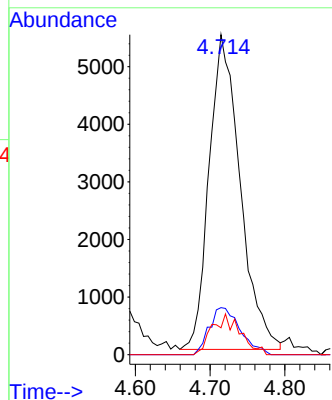
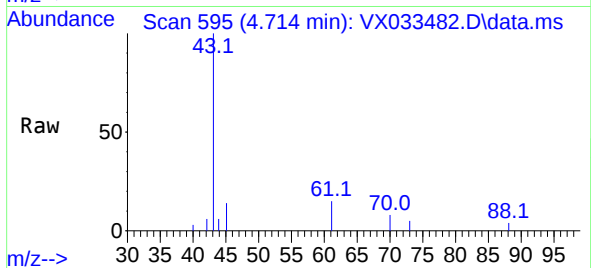
Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	15778
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.8	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.404 ug/l

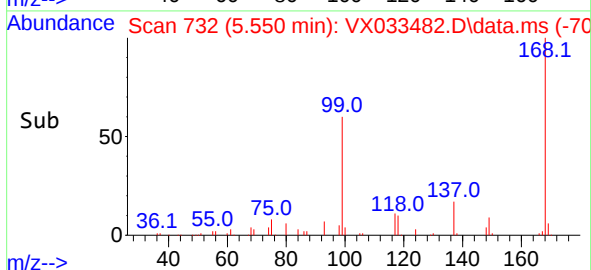
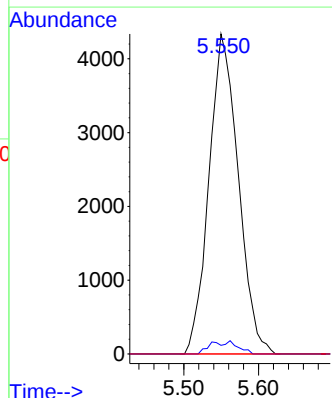
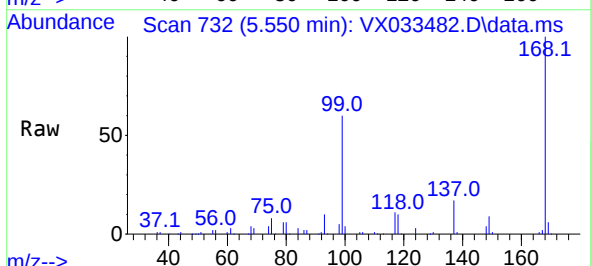
RT: 5.550 min Scan# 732

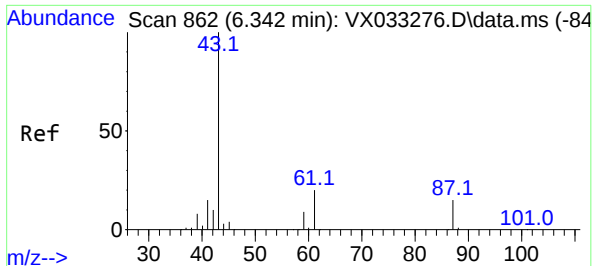
Delta R.T. -0.128 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Tgt Ion:	117	Resp:	11839
Ion	Ratio	Lower	Upper
117	100		
119	2.7	77.2	115.8#
121	0.0	25.8	38.6#

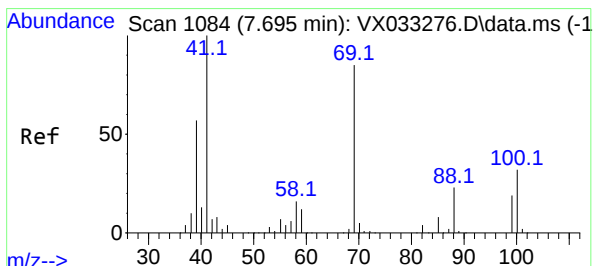
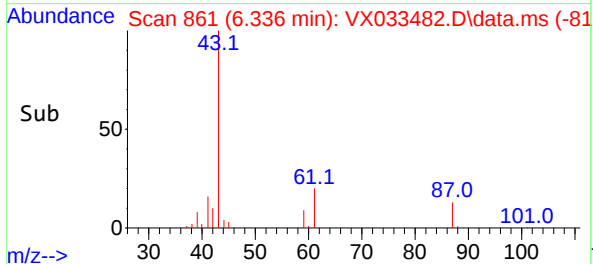
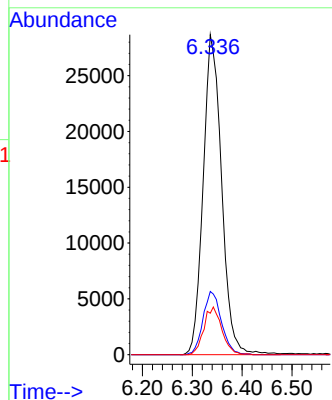
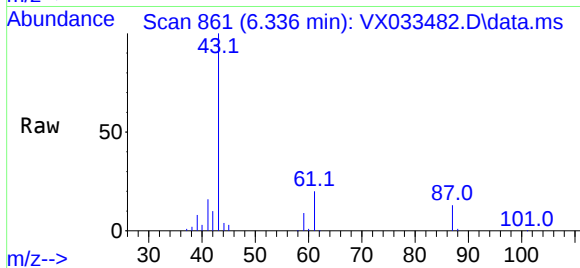




#43
Isopropyl Acetate
Concen: 29.357 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

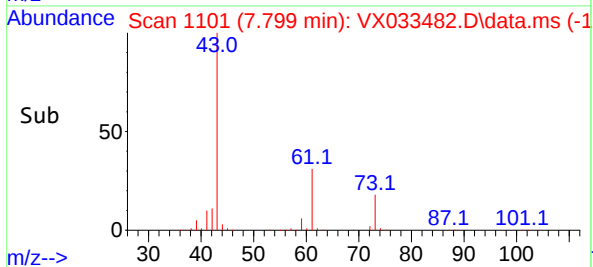
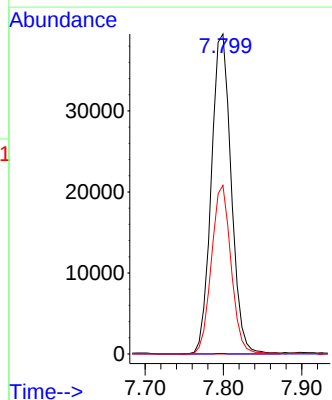
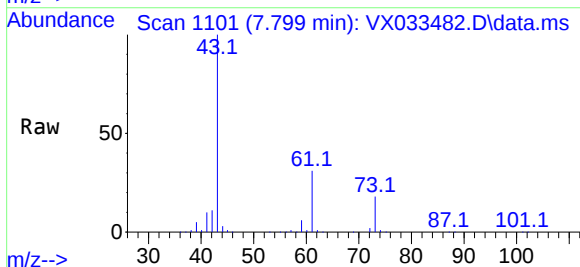
Instrument :
MSVOA_X
ClientSampleId :

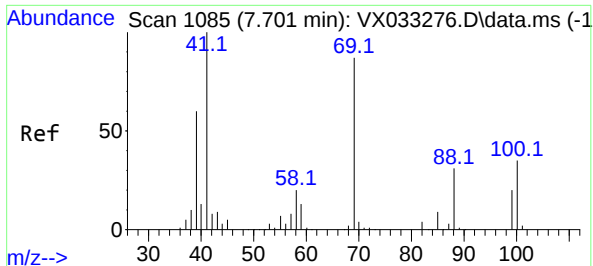
Tgt Ion: 43 Resp: 73673
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 14.6 10.8 16.2



#48
Methyl methacrylate
Concen: 53.886 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Tgt Ion: 41 Resp: 69791
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 52.0 51.9 77.9





#49

1,4-Dioxane

Concen: 2.032 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

ClientSampleId :

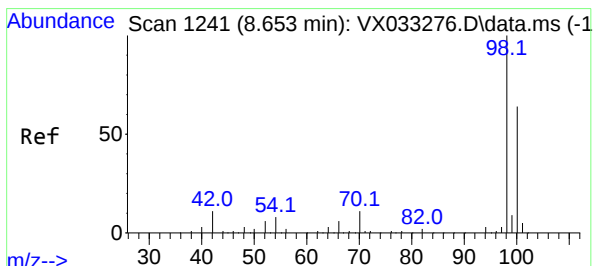
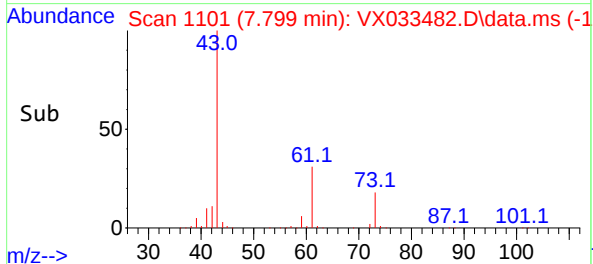
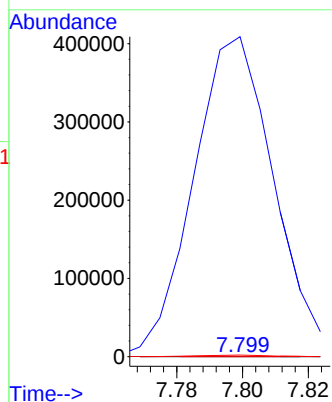
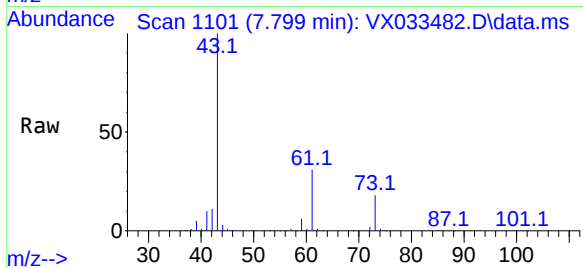
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 1172563.3 26.6 39.8#

58 5075.0 51.7 77.5#



#50

Toluene-d8

Concen: 48.157 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX033482.D

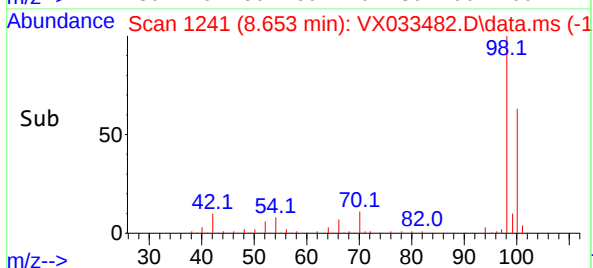
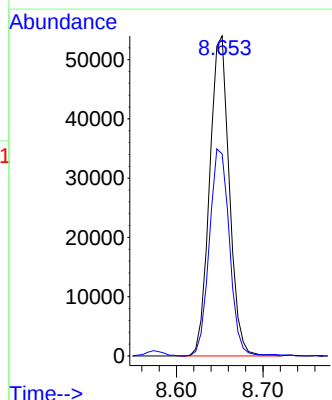
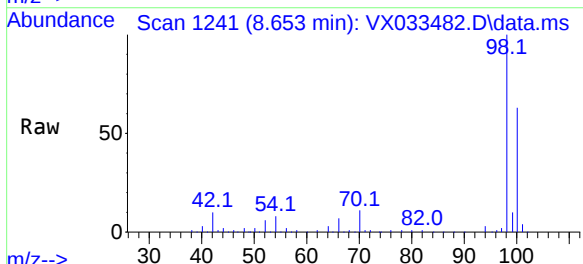
Acq: 19 Dec 2022 14:22

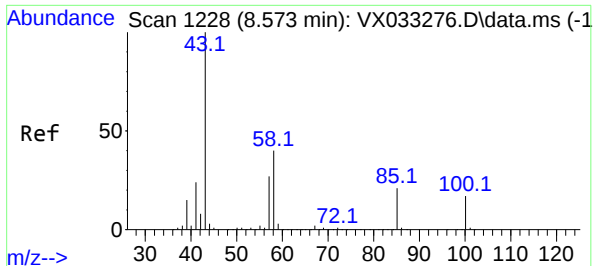
Tgt Ion: 98 Resp: 85255

Ion Ratio Lower Upper

98 100

100 65.8 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 40.525 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

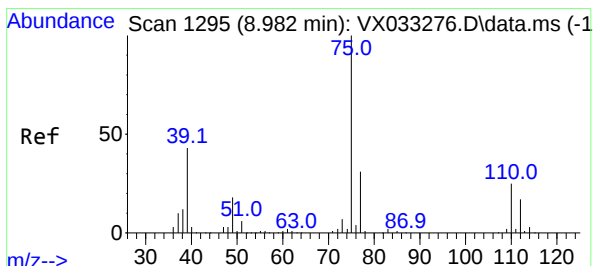
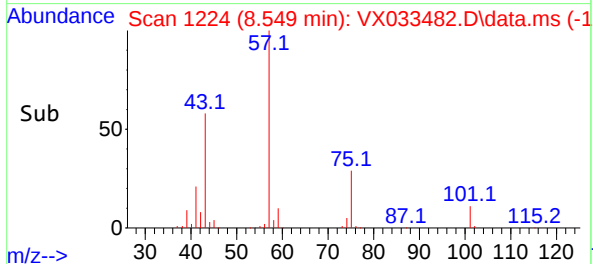
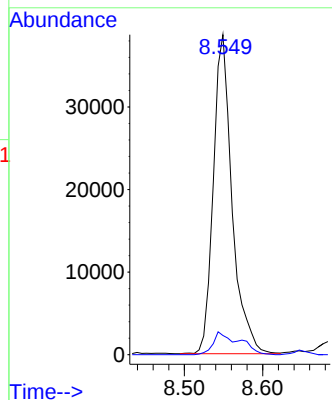
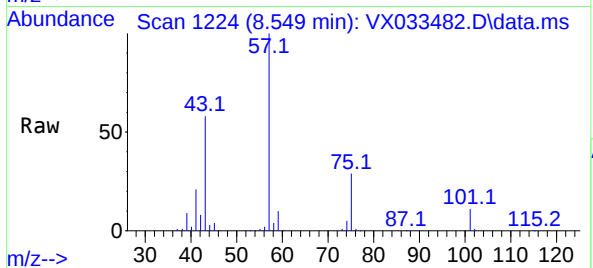
ClientSampleId :

Tgt Ion: 43 Resp: 64313

Ion Ratio Lower Upper

43 100

58 10.0 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 2.749 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX033482.D

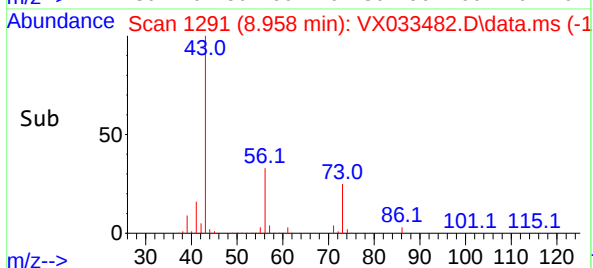
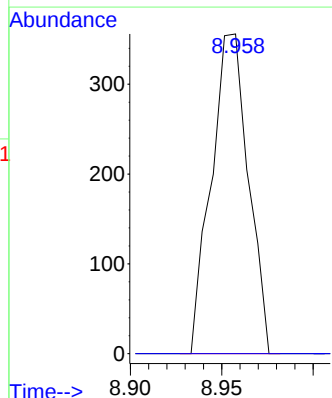
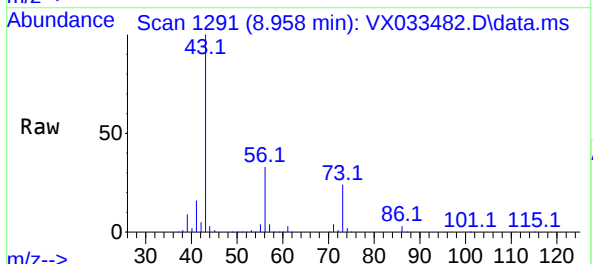
Acq: 19 Dec 2022 14:22

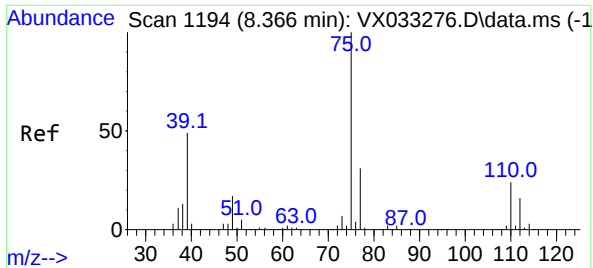
Tgt Ion: 75 Resp: 503

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 14.782 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

Instrument :

MSVOA_X

ClientSampleId :

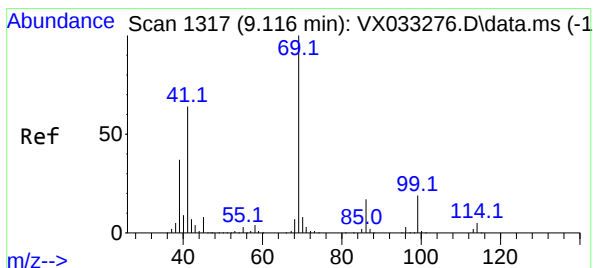
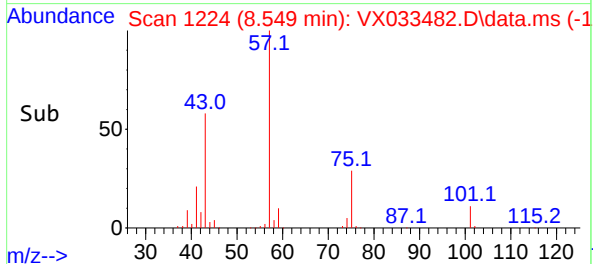
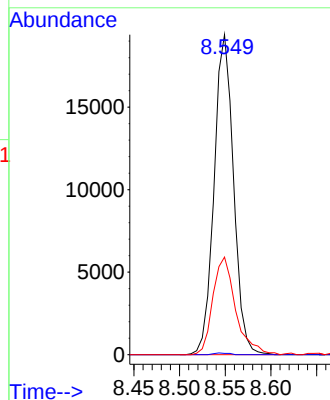
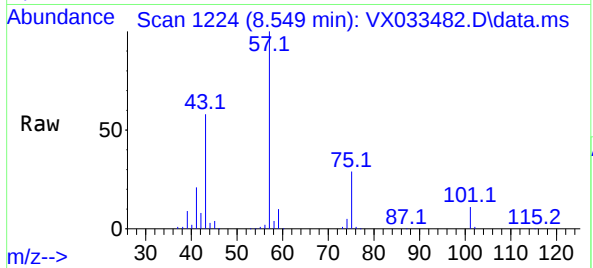
Tgt Ion: 75 Resp: 28738

Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 30.5 45.5 68.3#



#56

Ethyl methacrylate

Concen: 0.369 ug/l

RT: 9.250 min Scan# 1339

Delta R.T. 0.134 min

Lab File: VX033482.D

Acq: 19 Dec 2022 14:22

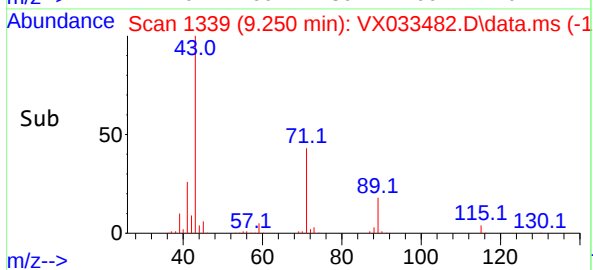
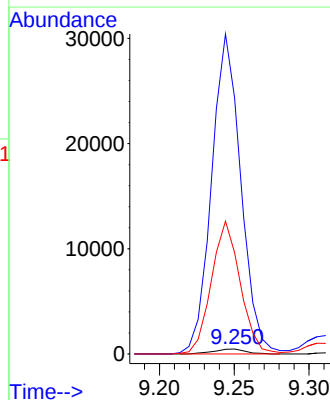
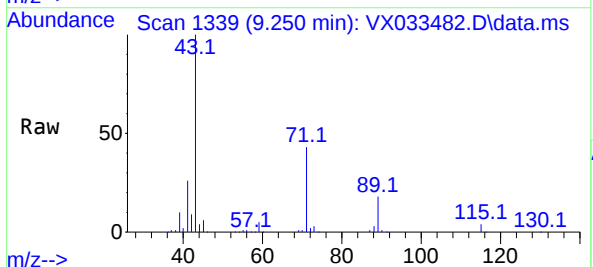
Tgt Ion: 69 Resp: 680

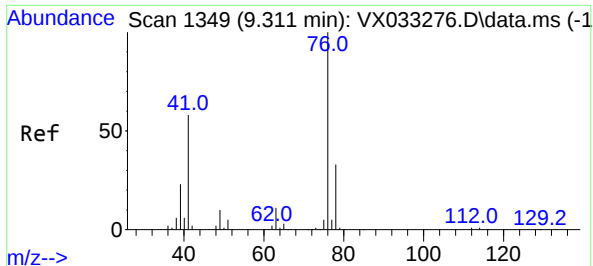
Ion Ratio Lower Upper

69 100

41 6099.0 54.3 81.5#

39 2488.2 35.2 52.8#

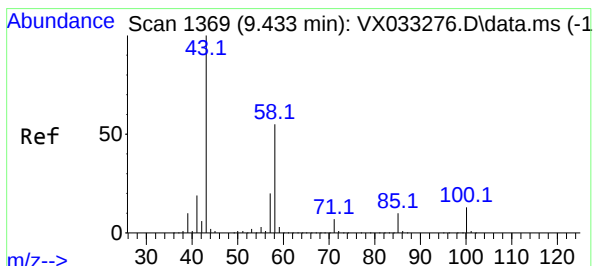
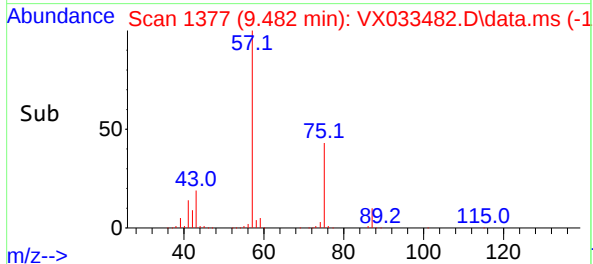
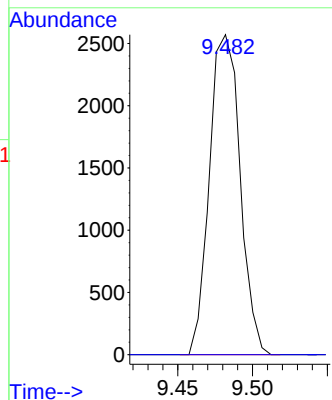
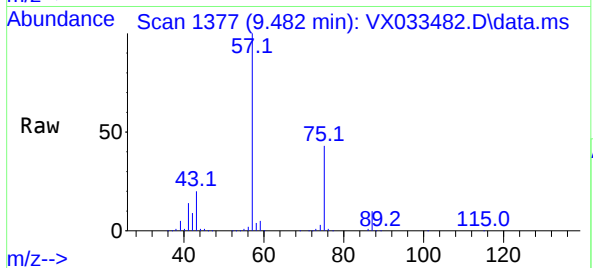




#57
1,3-Dichloropropane
Concen: 1.748 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

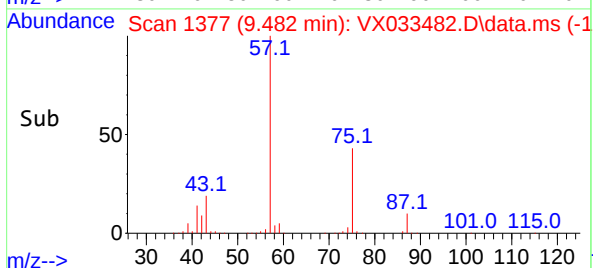
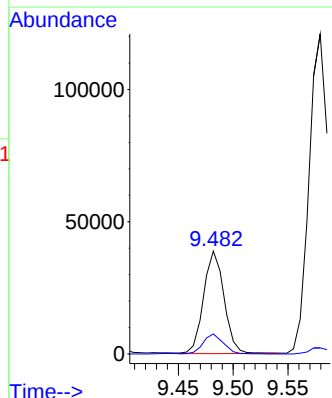
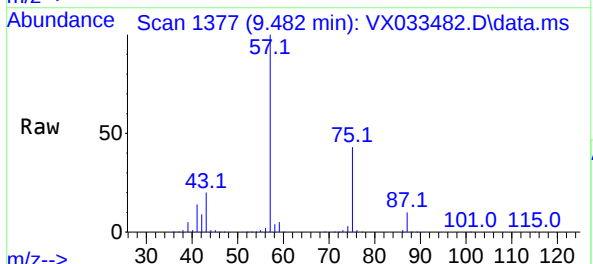
Instrument :
MSVOA_X
ClientSampleId :

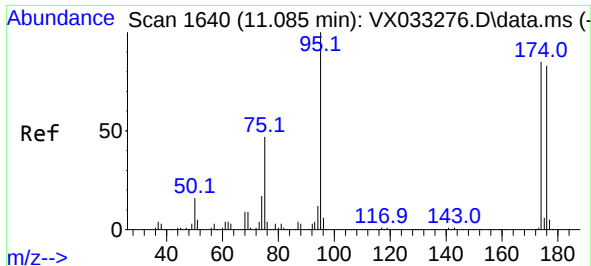
Tgt Ion: 76 Resp: 3672
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 43.129 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

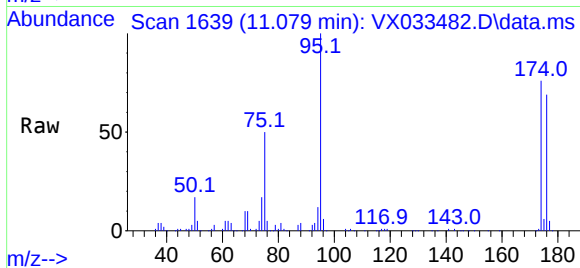
Tgt Ion: 43 Resp: 50439
Ion Ratio Lower Upper
43 100
58 19.7 26.5 79.5#



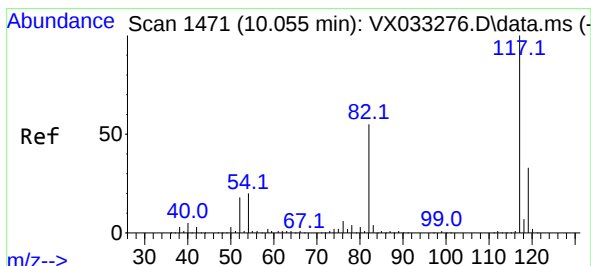
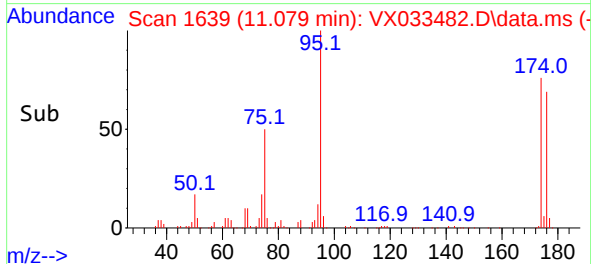
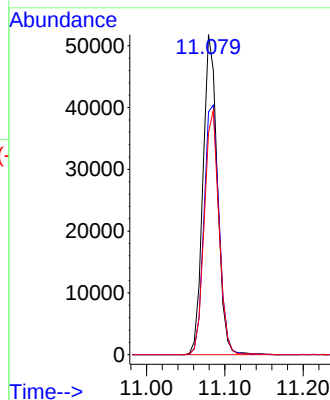


#62
4-Bromofluorobenzene
Concen: 48.856 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Instrument :
MSVOA_X
ClientSampleId :

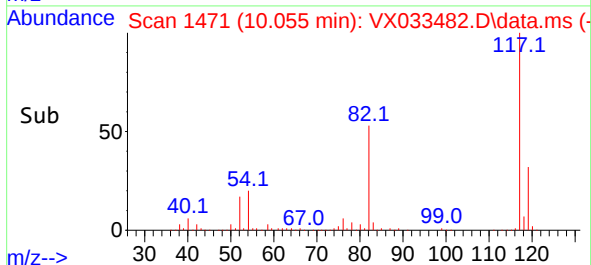
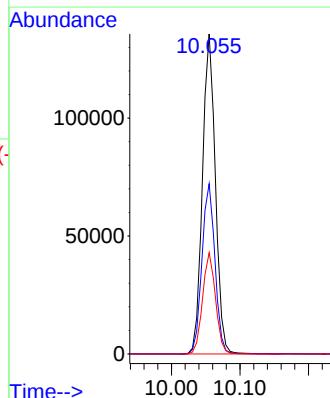
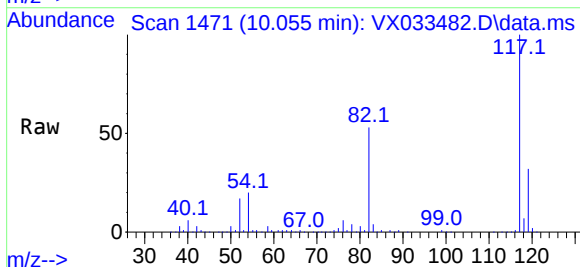


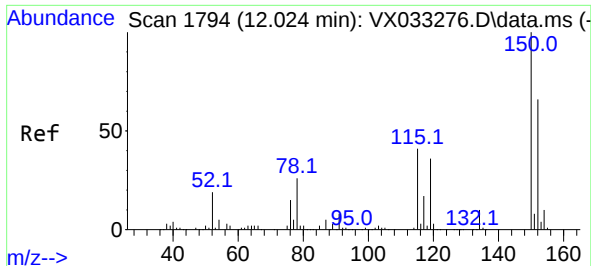
Tgt Ion: 95 Resp: 66134
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.0
176 77.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

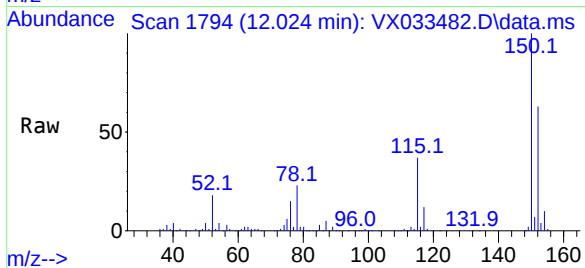
Tgt Ion: 117 Resp: 178518
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 31.6 25.7 38.5



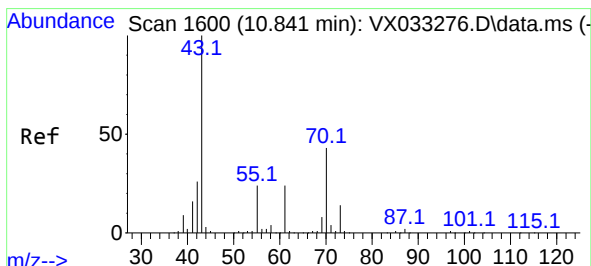
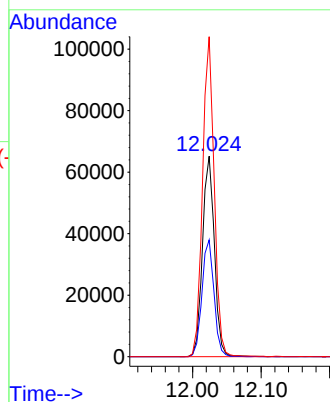
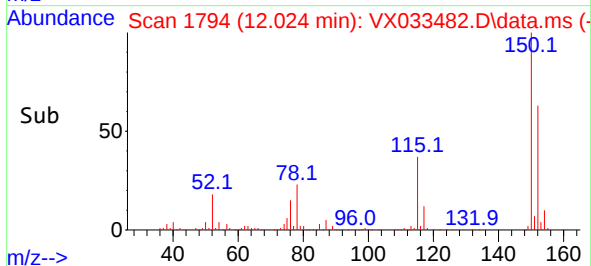


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

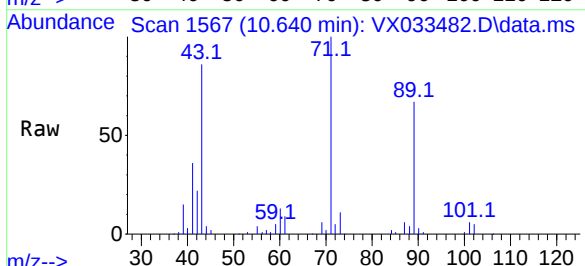
Instrument :
MSVOA_X
ClientSampleId :



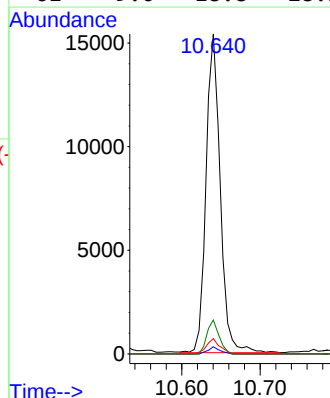
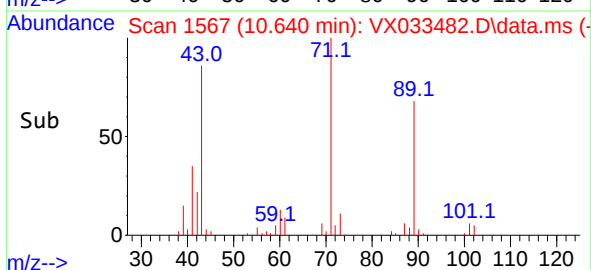
Tgt Ion:152 Resp: 79065
Ion Ratio Lower Upper
152 100
115 58.9 44.0 132.0
150 155.8 0.0 351.8

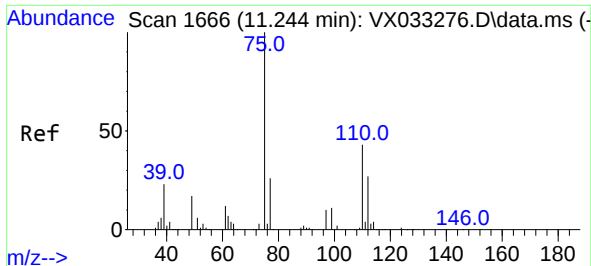


#74
N-ethyl acetate
Concen: 9.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22



Tgt Ion: 43 Resp: 19291
Ion Ratio Lower Upper
43 100
70 1.9 33.6 50.4#
55 4.5 19.4 29.2#
61 9.0 18.8 28.2#

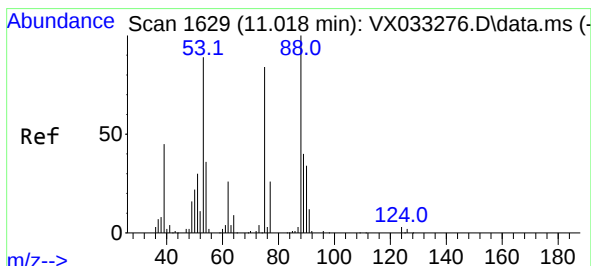
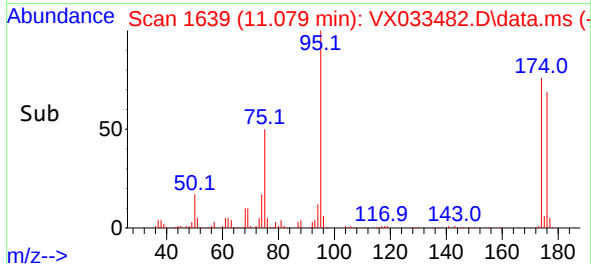
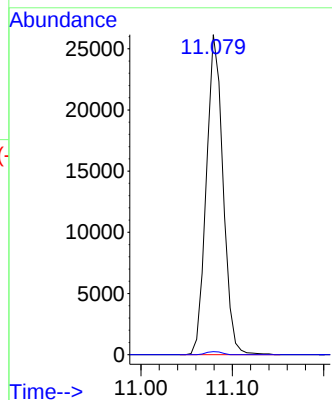
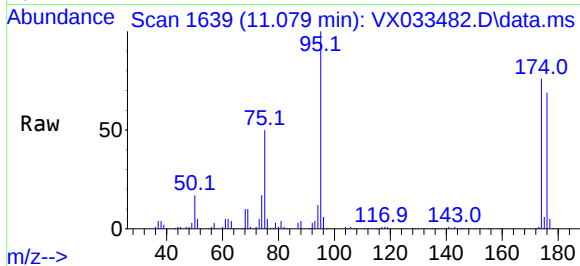




#76
1,2,3-Trichloropropane
Concen: 20.573 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33094
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033482.D
Acq: 19 Dec 2022 14:22

Tgt Ion: 75 Resp: 33094
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

