

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033207.D
 Acq On : 02 Dec 2022 23:29
 Operator : JC/MD
 Sample : PB149377ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#01

Quant Time: Dec 05 01:11:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

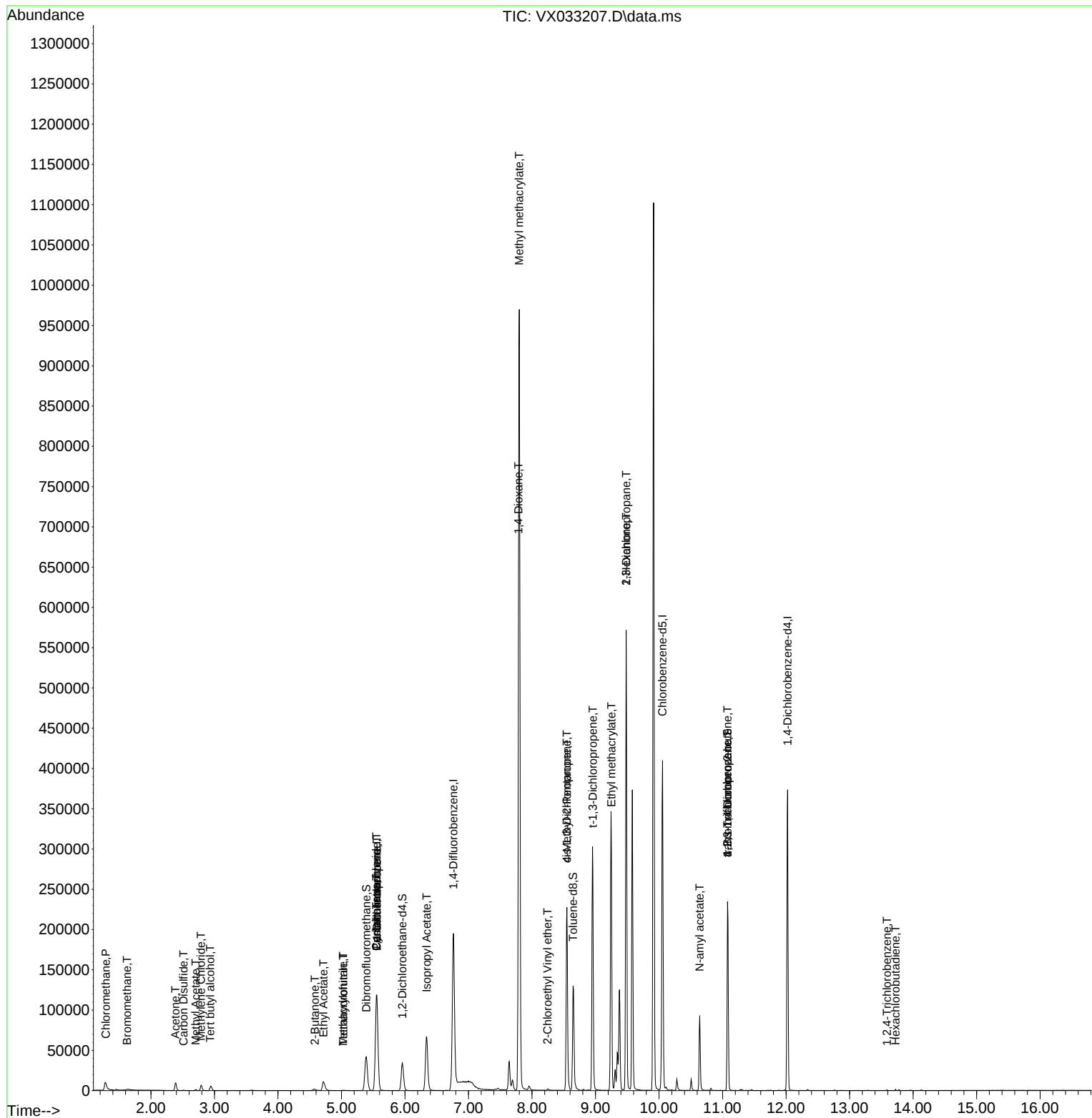
Internal Standards						
1) Pentafluorobenzene	5.556	168	113133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35106	30.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	61.080%#		
35) Dibromofluoromethane	5.391	113	37141	34.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	69.760%#		
50) Toluene-d8	8.647	98	79792	23.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	47.560%#		
62) 4-Bromofluorobenzene	11.079	95	61208	43.763	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.520%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	450	0.482	ug/l #	43
5) Bromomethane	1.624	94	230	0.299	ug/l #	48
11) Tert butyl alcohol	2.934	59	3423	19.599	ug/l #	72
16) Acetone	2.386	43	12029	23.378	ug/l	99
17) Carbon Disulfide	2.514	76	628	0.230	ug/l #	74
18) Methyl Acetate	2.703	43	1308	0.918	ug/l	99
20) Methylene Chloride	2.788	84	3370	1.899	ug/l	84
25) 2-Butanone	4.580	43	1269	1.789	ug/l #	84
29) Tetrahydrofuran	5.025	42	234	0.520	ug/l #	51
31) Cyclohexane	5.550	56	2394	1.341	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	8757	5.144	ug/l #	50
37) Ethyl Acetate	4.714	43	20209	13.606	ug/l	98
38) Carbon Tetrachloride	5.550	117	11594	6.139	ug/l #	15
41) Methacrylonitrile	5.025	41	196	0.235	ug/l #	21
43) Isopropyl Acetate	6.342	43	92118	37.502	ug/l	99
48) Methyl methacrylate	7.799	41	88054	69.642	ug/l #	43
49) 1,4-Dioxane	7.787	88	136	5.843	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77783	51.317	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	666	1.855	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	34846	18.174	ug/l #	59
56) Ethyl methacrylate	9.250	69	793	0.450	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4385	2.125	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.244	63	741	0.886	ug/l	96
59) 2-Hexanone	9.482	43	64884	57.948	ug/l #	51
74) N-amyl acetate	10.640	43	23191	12.582	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	32551	22.668	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32551	73.683	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	303	0.202	ug/l	97
94) Hexachlorobutadiene	13.725	225	220	0.333	ug/l	82

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

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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

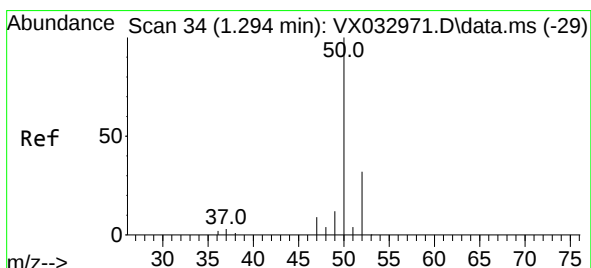
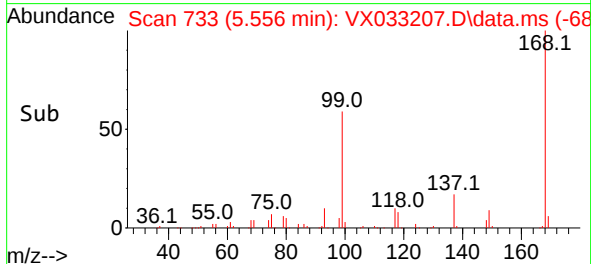
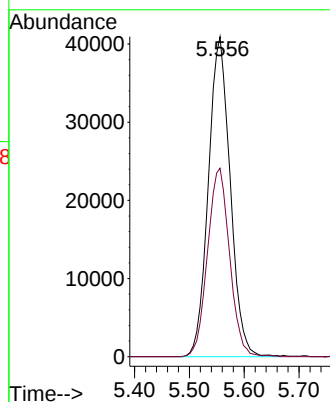
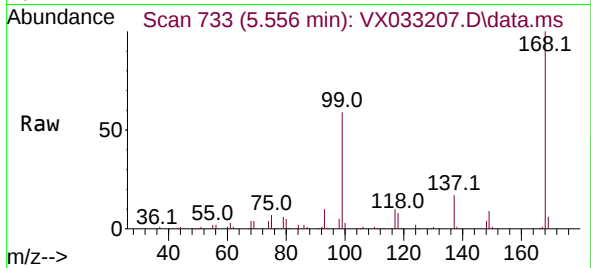




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

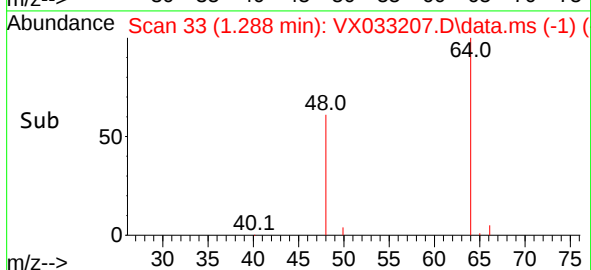
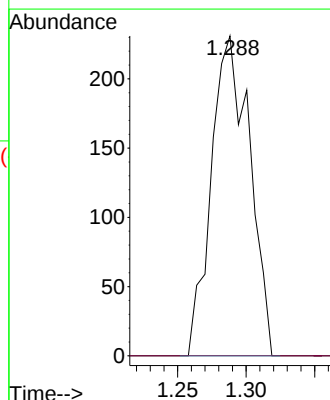
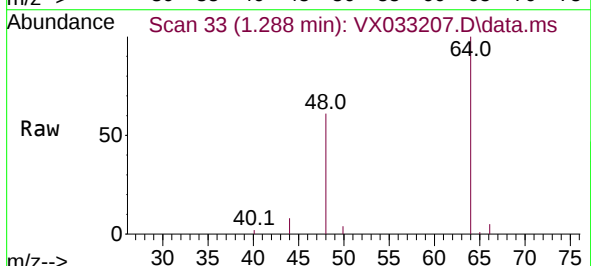
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

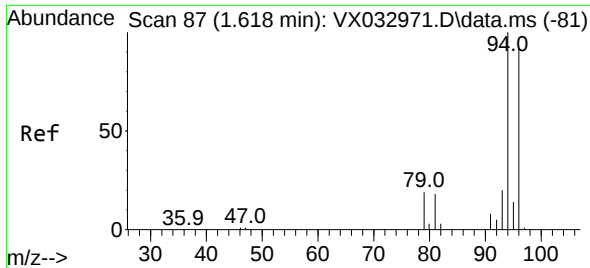
Tgt Ion:168 Resp: 113133
Ion Ratio Lower Upper
168 100
99 58.9 46.1 69.1



#3
Chloromethane
Concen: 0.482 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

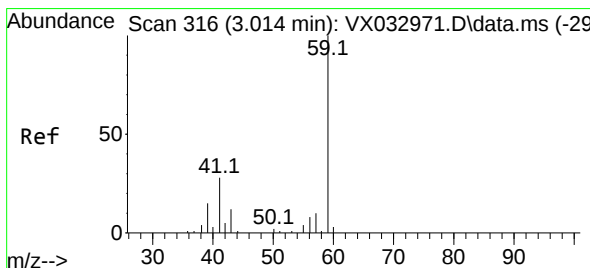
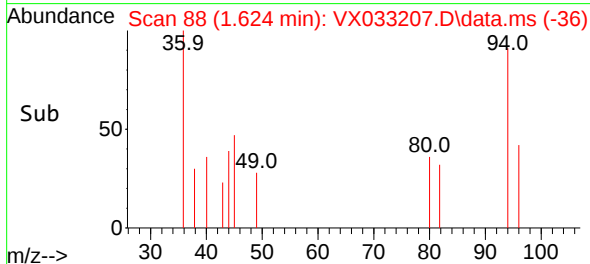
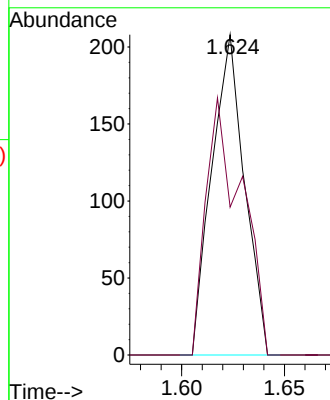
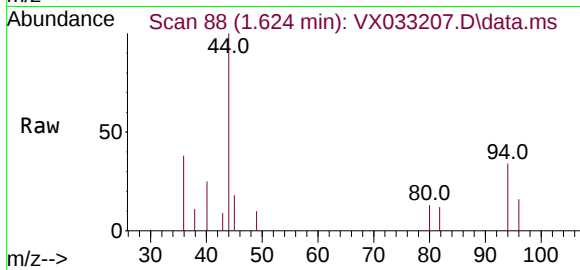




#5
Bromomethane
Concen: 0.299 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

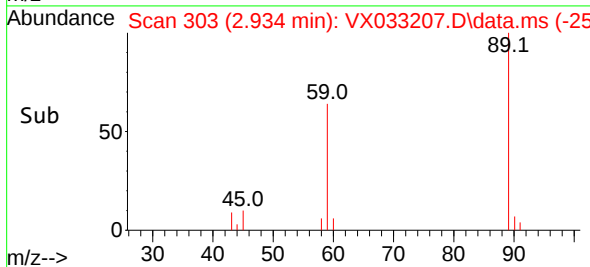
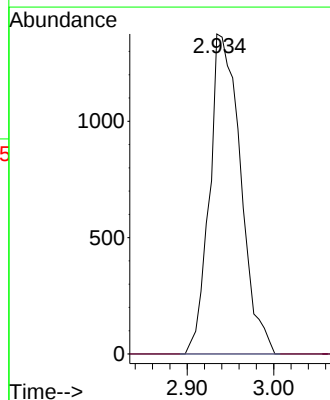
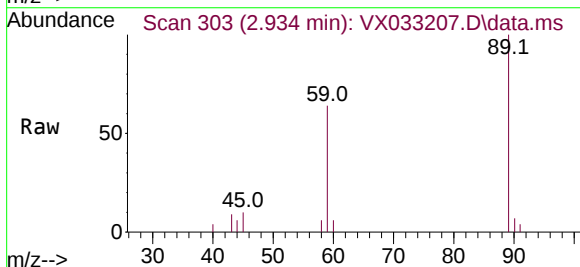
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

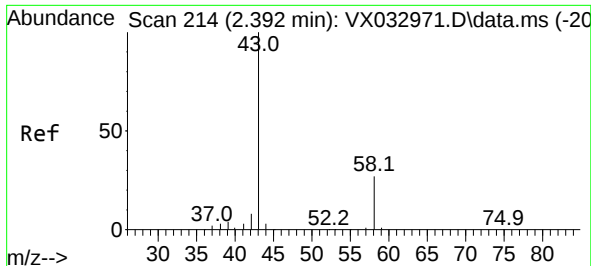
Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 46.2 77.6 116.4#



#11
Tert butyl alcohol
Concen: 19.599 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.031 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 59 Resp: 3423
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 23.378 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

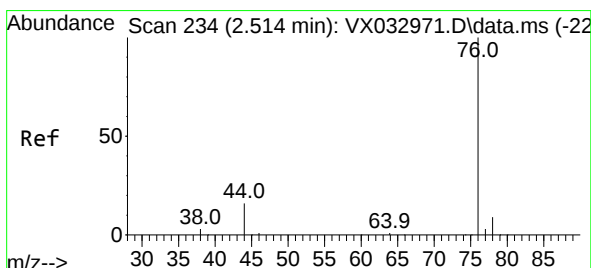
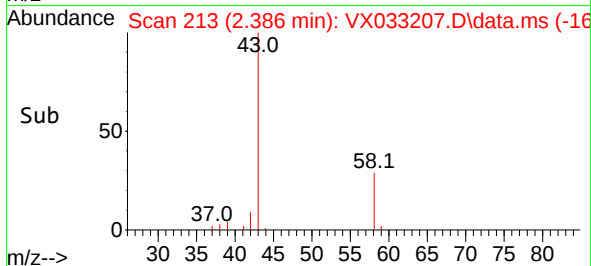
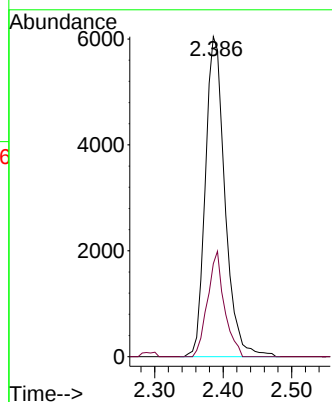
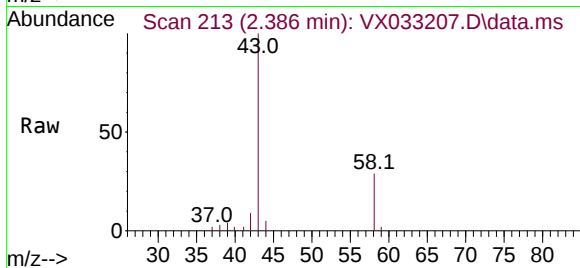
PB149377ZHE#01

Tgt Ion: 43 Resp: 12029

Ion Ratio Lower Upper

43 100

58 29.1 23.8 35.8



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033207.D

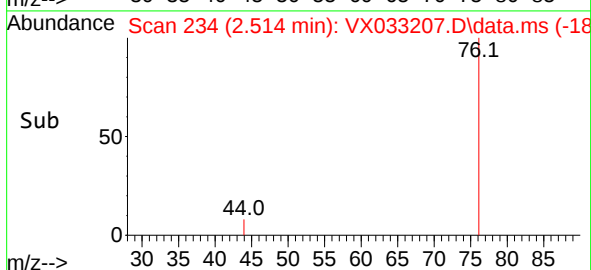
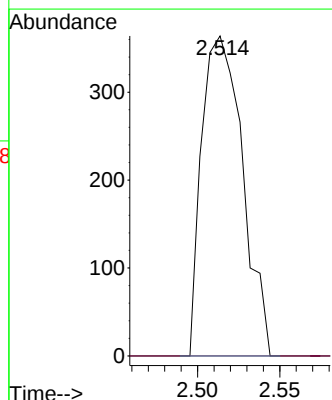
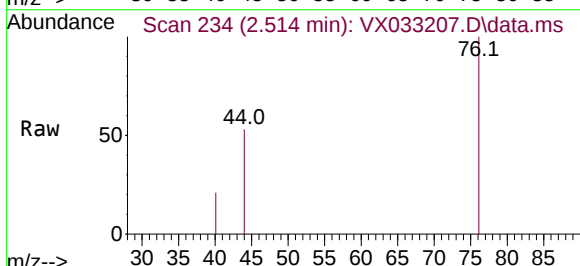
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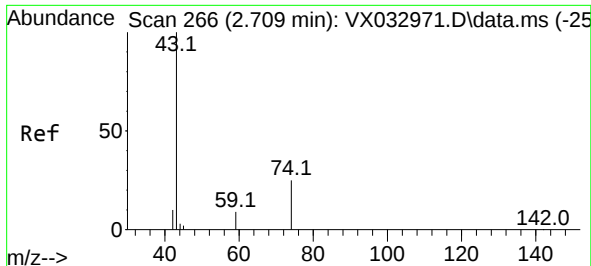
Tgt Ion: 76 Resp: 628

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

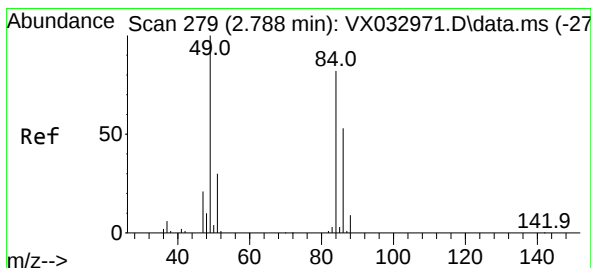
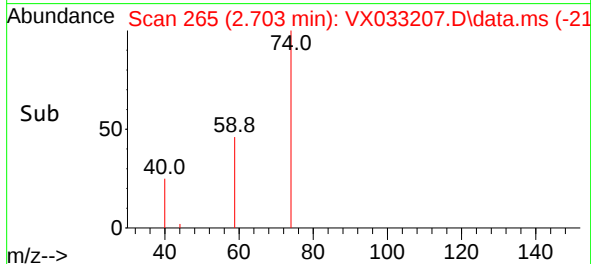
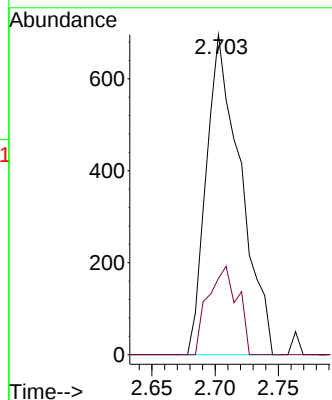
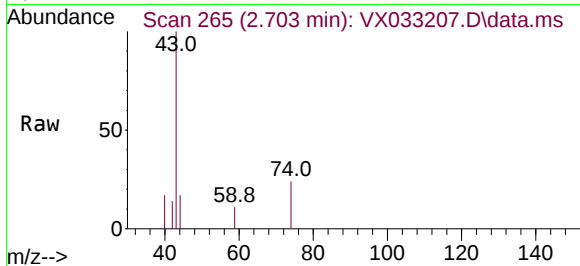




#18
Methyl Acetate
Concen: 0.918 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

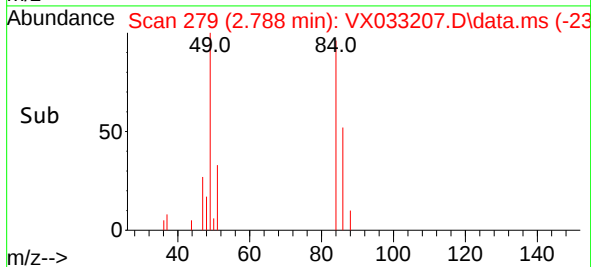
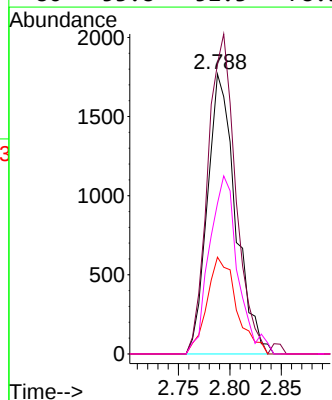
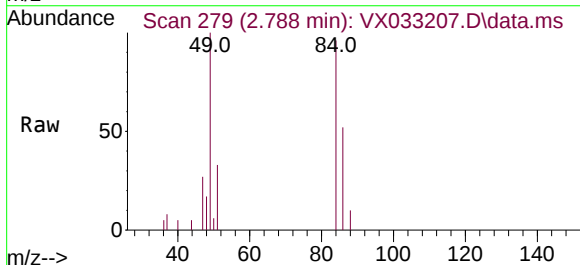
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

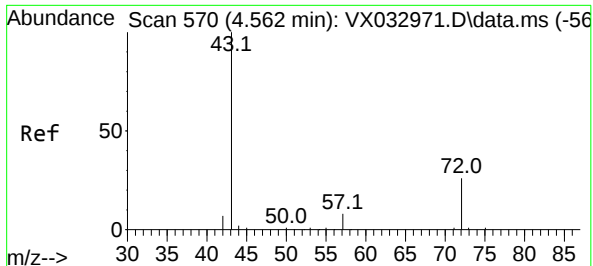
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.0



#20
Methylene Chloride
Concen: 1.899 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 84 Resp: 3370
Ion Ratio Lower Upper
84 100
49 103.7 101.0 151.6
51 34.6 31.1 46.7
86 53.8 52.3 78.5





#25

2-Butanone

Concen: 1.789 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

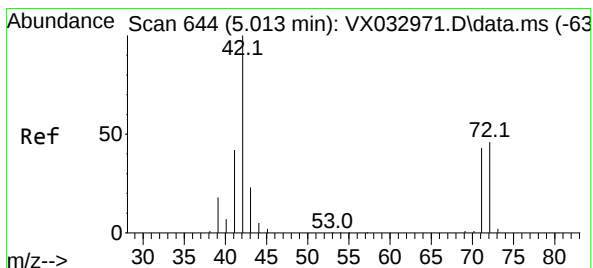
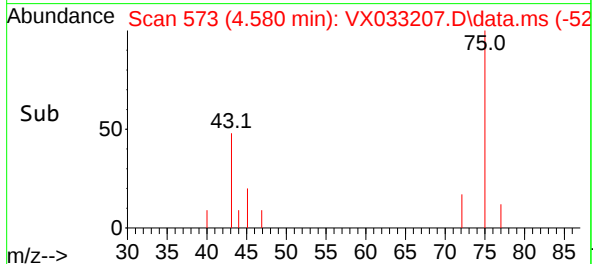
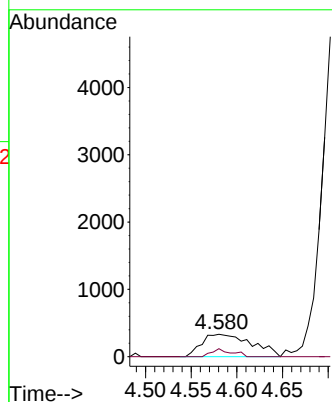
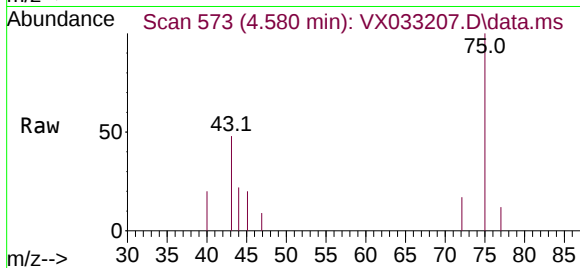
PB149377ZHE#01

Tgt Ion: 43 Resp: 1269

Ion Ratio Lower Upper

43 100

72 35.8 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.520 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.024 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

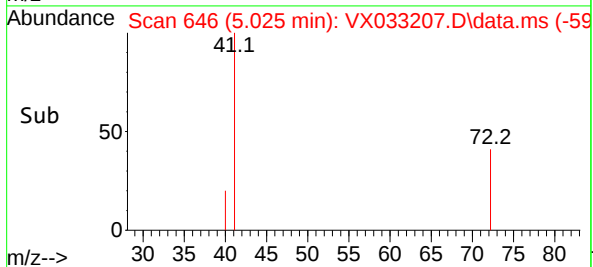
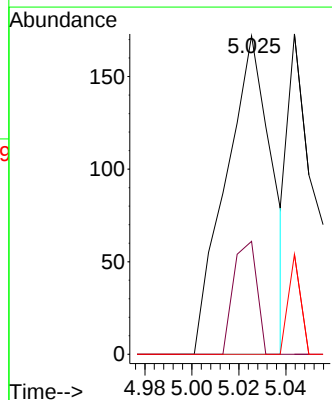
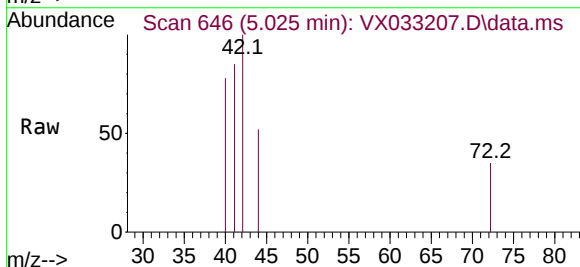
Tgt Ion: 42 Resp: 234

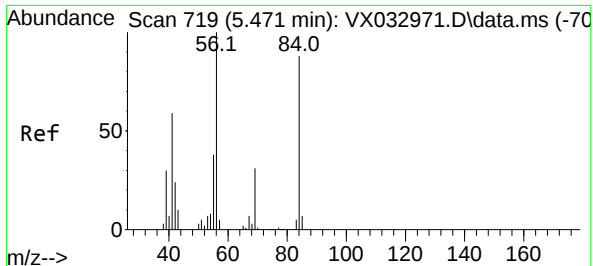
Ion Ratio Lower Upper

42 100

72 17.9 37.6 56.4#

71 8.5 34.7 52.1#

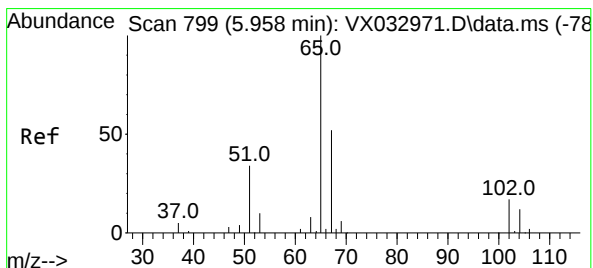
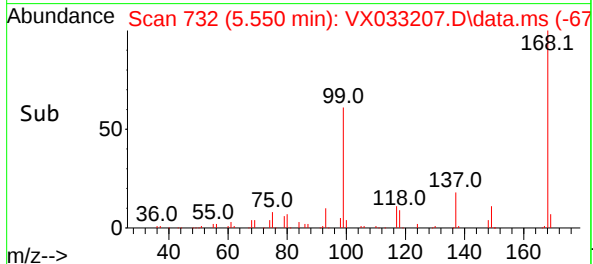
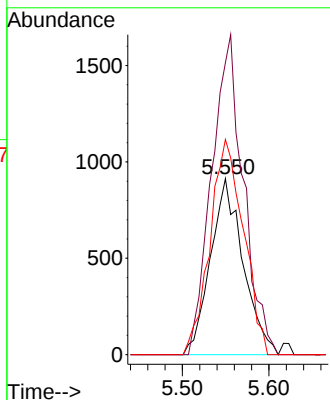
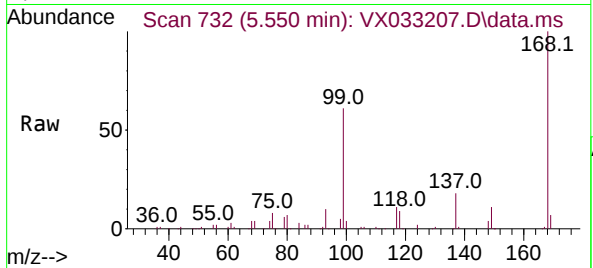




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

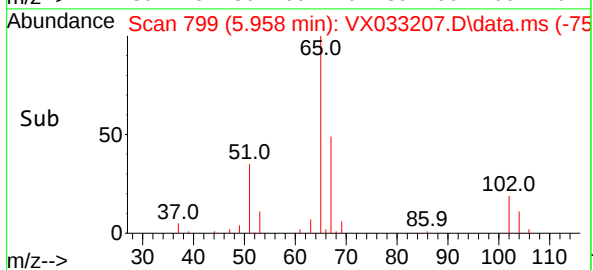
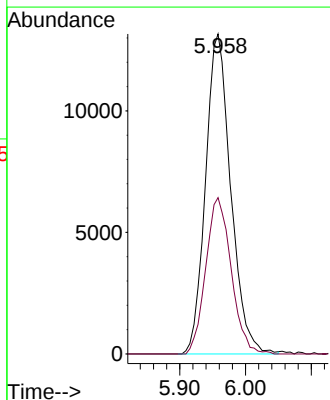
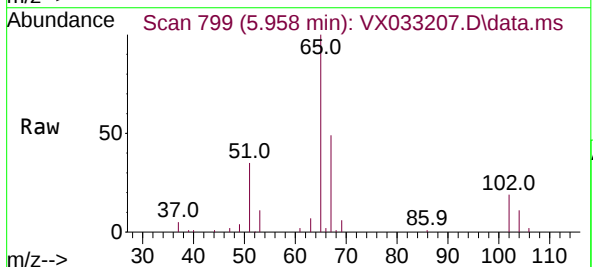
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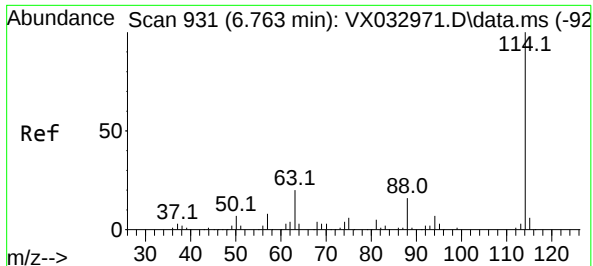
Tgt Ion: 56 Resp: 2394
Ion Ratio Lower Upper
56 100
69 165.8 24.1 36.1#
84 122.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 30.537 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 65 Resp: 35106
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8

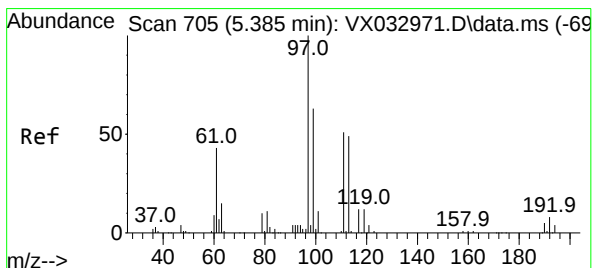
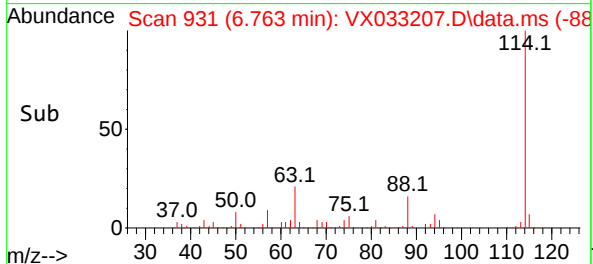
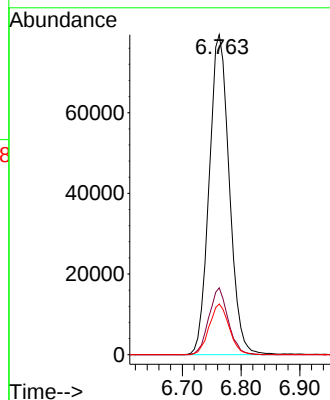
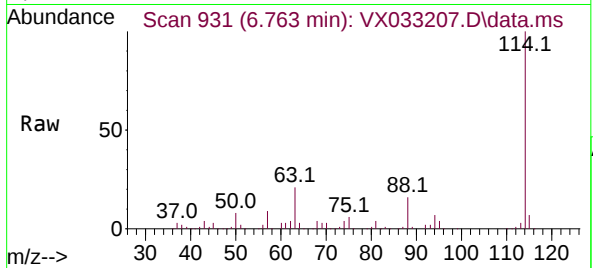




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

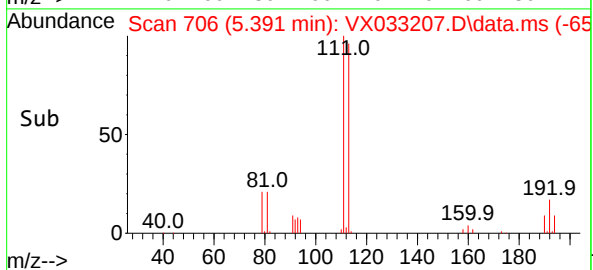
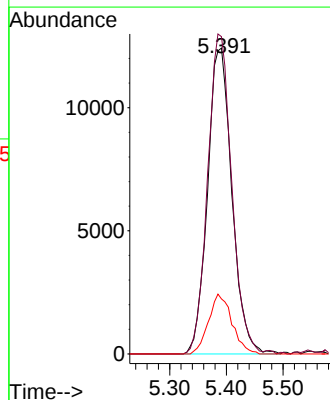
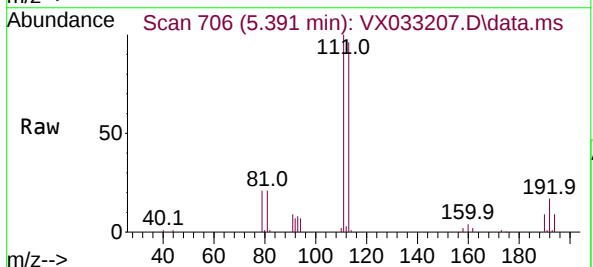
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

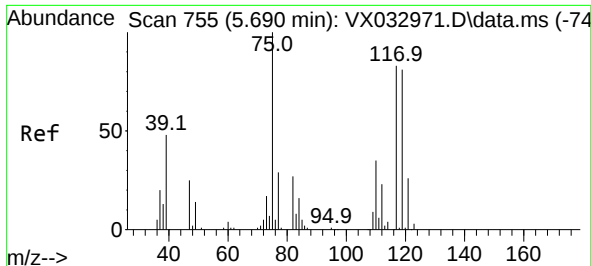
Tgt Ion:114 Resp: 188859
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 15.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 34.883 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

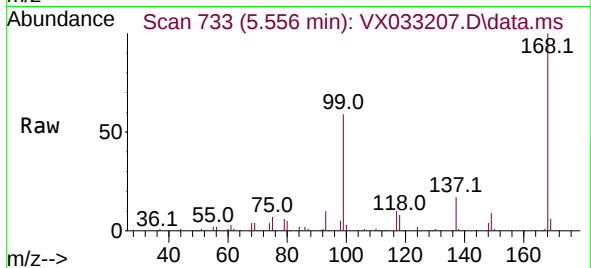
Tgt Ion:113 Resp: 37141
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 18.8 15.4 23.2



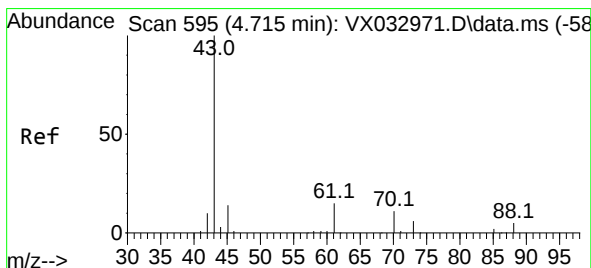
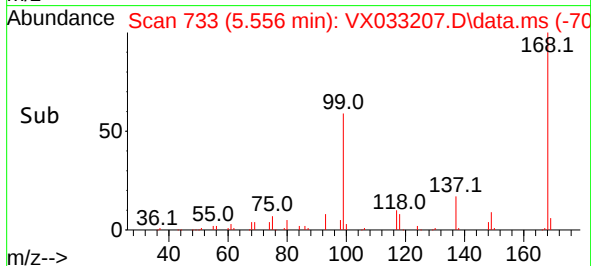
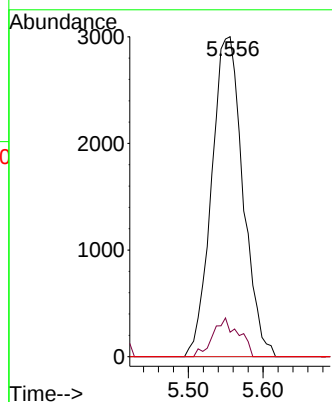


#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

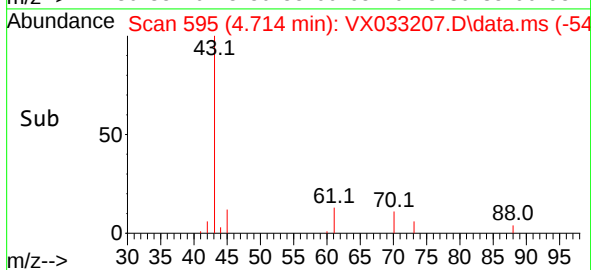
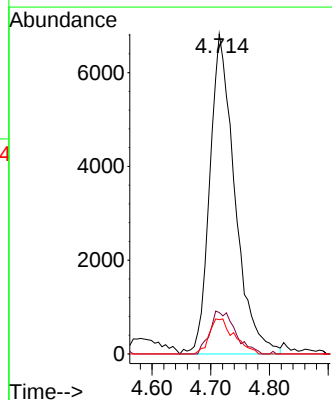
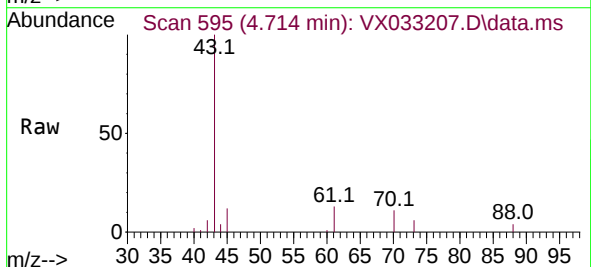


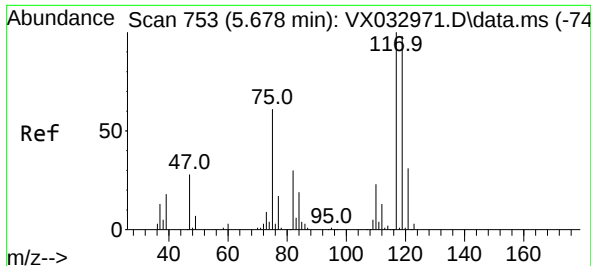
Tgt Ion: 75 Resp: 8757
Ion Ratio Lower Upper
75 100
110 9.9 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 13.606 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

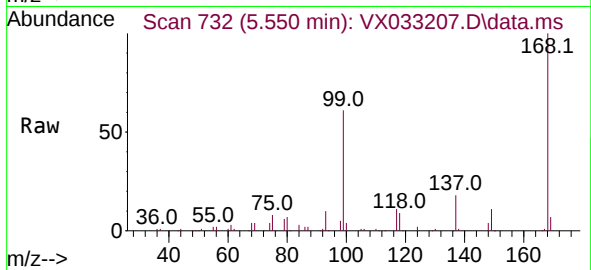
Tgt Ion: 43 Resp: 20209
Ion Ratio Lower Upper
43 100
61 13.6 11.5 17.3
70 10.9 9.1 13.7



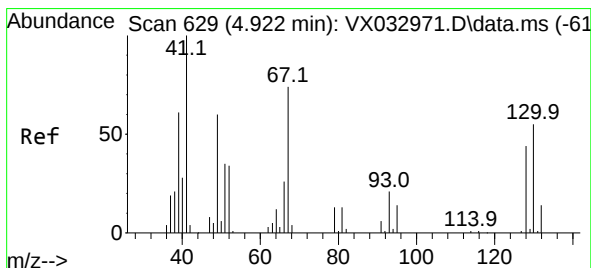
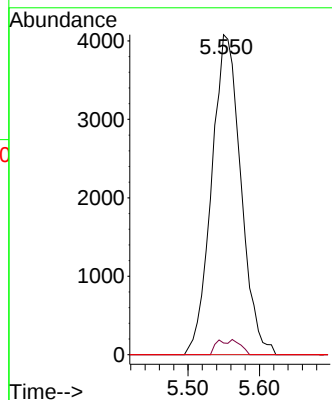
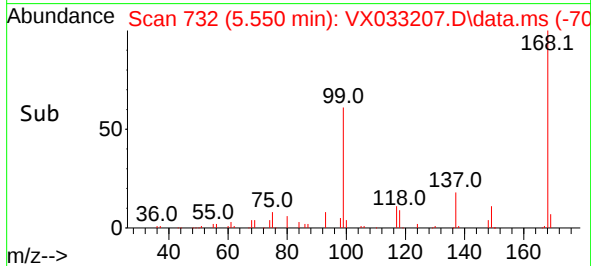


#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

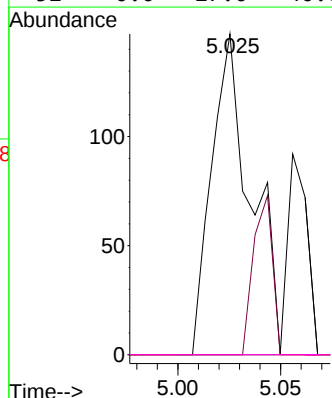
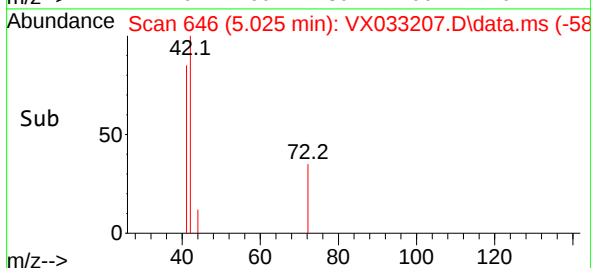
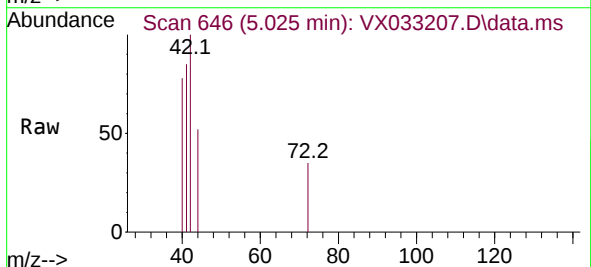


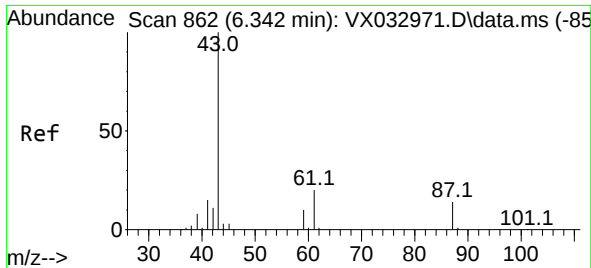
Tgt Ion:117 Resp: 11594
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 41 Resp: 196
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

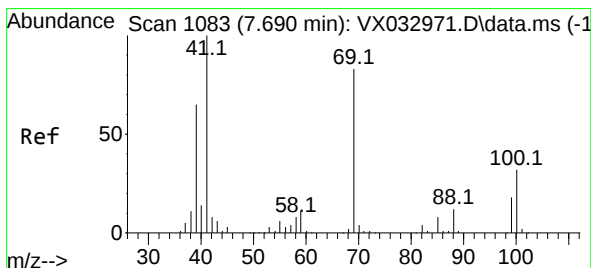
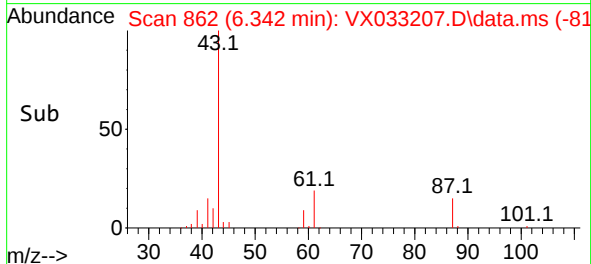
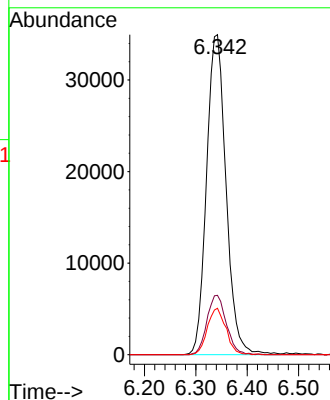
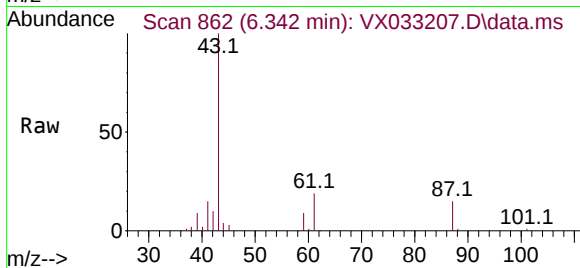




#43
Isopropyl Acetate
Concen: 37.502 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

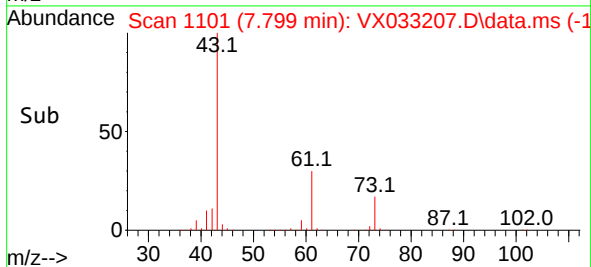
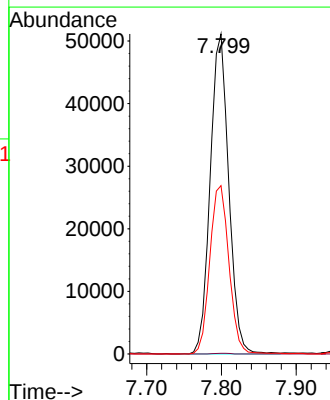
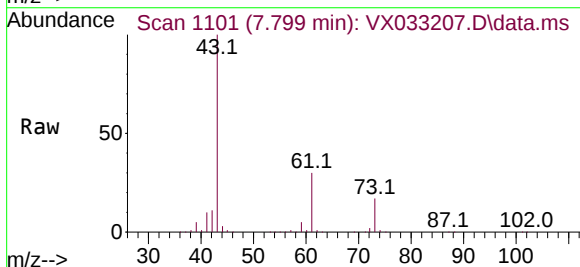
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

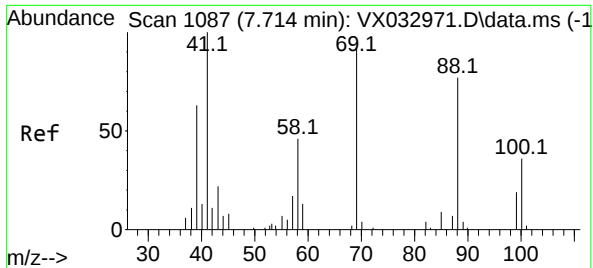
Tgt Ion: 43 Resp: 92118
Ion Ratio Lower Upper
43 100
61 18.4 15.4 23.0
87 13.8 10.8 16.2



#48
Methyl methacrylate
Concen: 69.642 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 41 Resp: 88054
Ion Ratio Lower Upper
41 100
69 0.2 65.1 97.7#
39 54.4 51.9 77.9





#49

1,4-Dioxane

Concen: 5.843 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.116 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#01

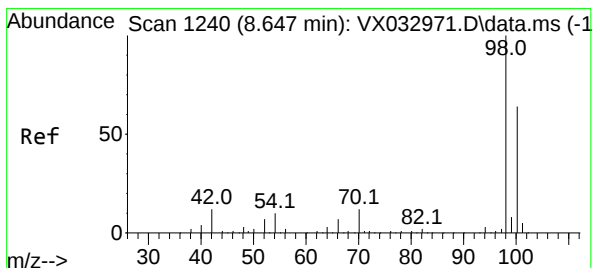
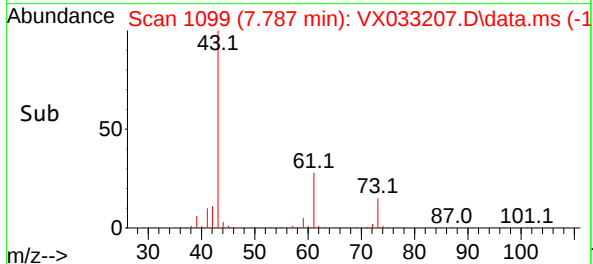
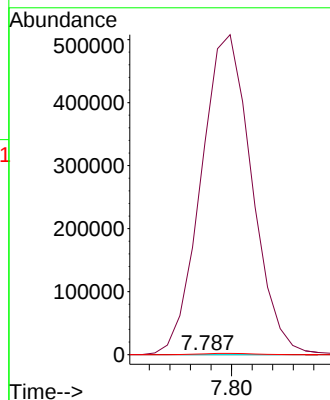
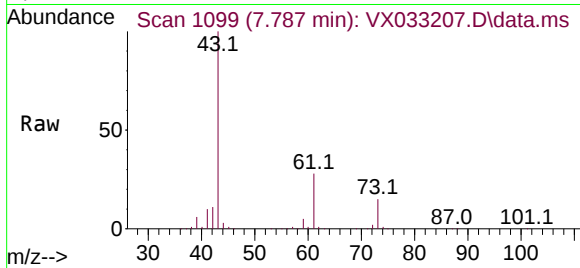
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 644905.9 26.6 39.8#

58 2729.4 51.7 77.5#



#50

Toluene-d8

Concen: 23.776 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033207.D

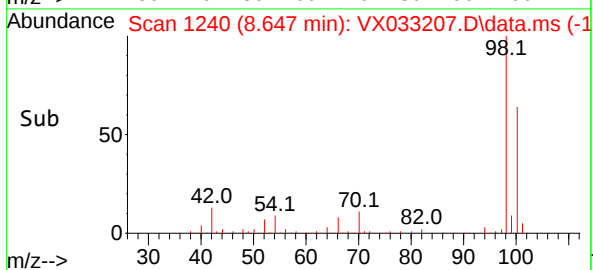
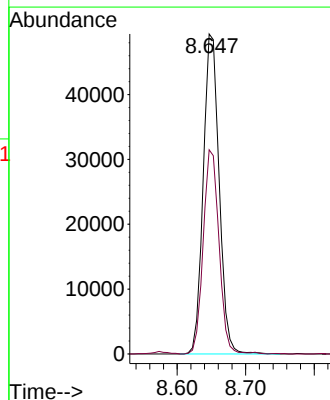
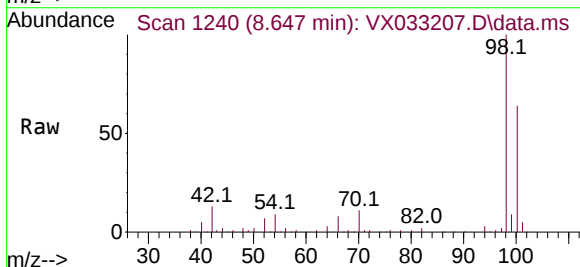
Acq: 02 Dec 2022 23:29

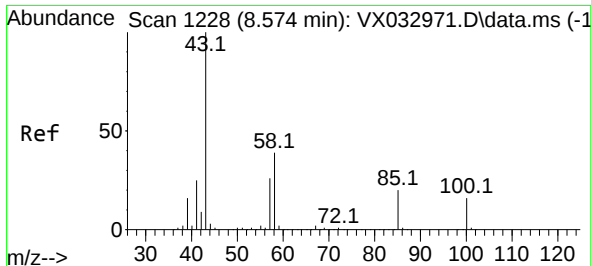
Tgt Ion: 98 Resp: 79792

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3

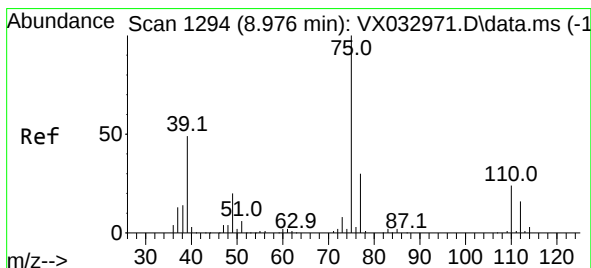
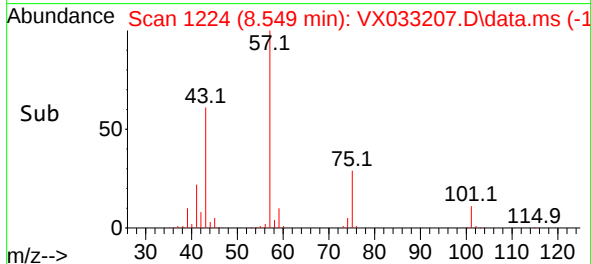
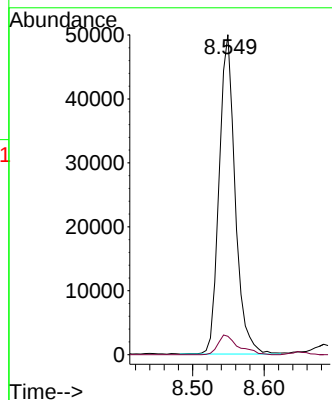
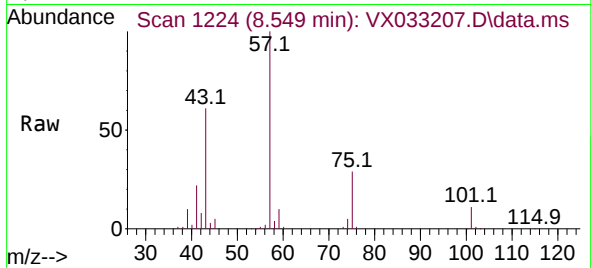




#51
4-Methyl-2-Pentanone
Concen: 51.317 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

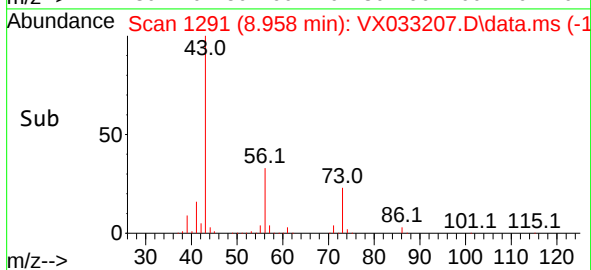
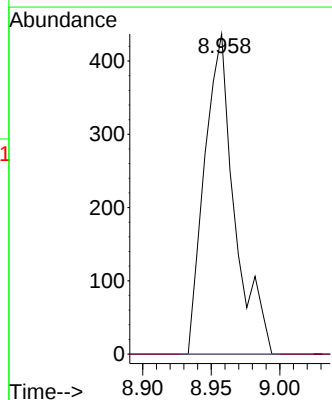
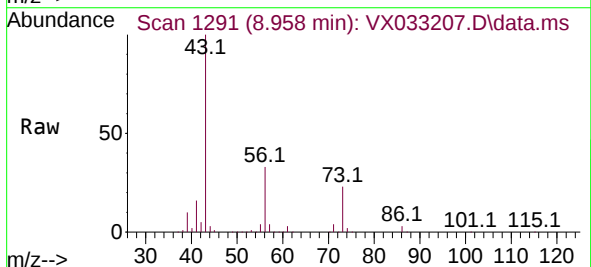
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

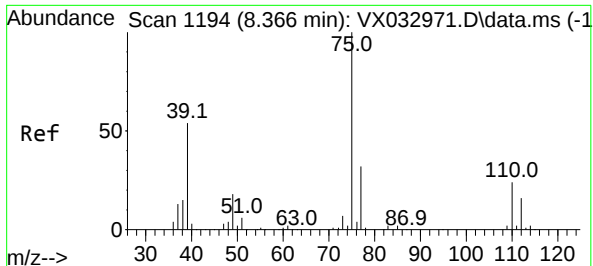
Tgt Ion: 43 Resp: 77783
Ion Ratio Lower Upper
43 100
58 7.7 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 1.855 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 75 Resp: 666
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

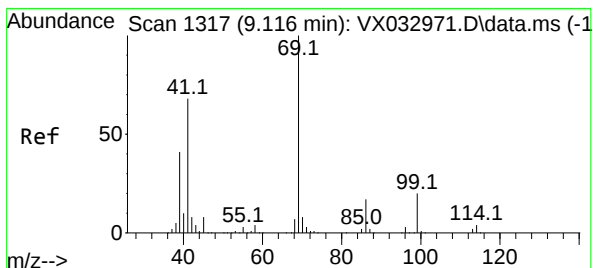
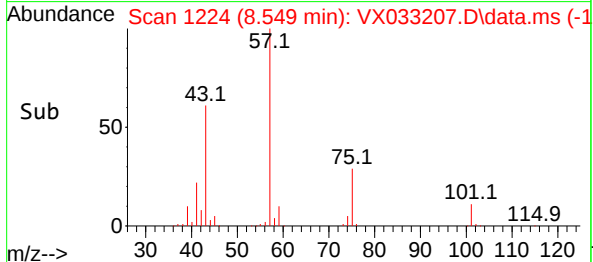
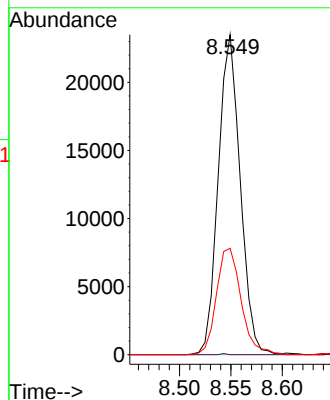
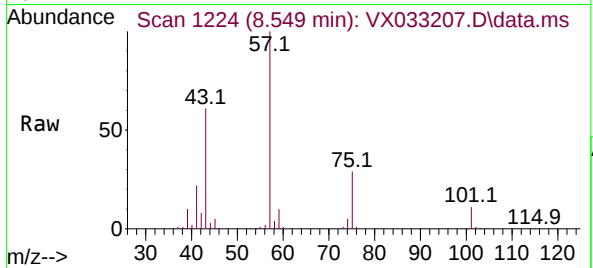




#54
 cis-1,3-Dichloropropene
 Concen: 18.174 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033207.D
 Acq: 02 Dec 2022 23:29

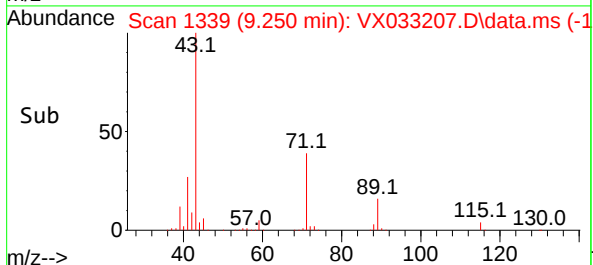
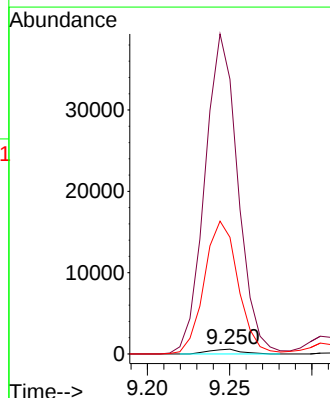
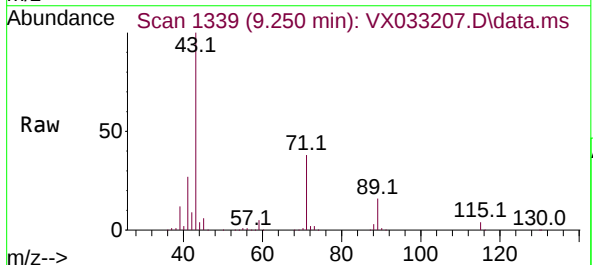
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#01

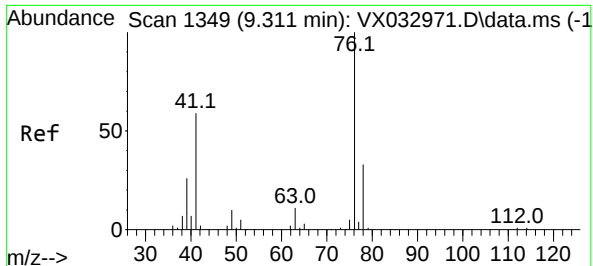
Tgt Ion: 75 Resp: 34846
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.3 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.450 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033207.D
 Acq: 02 Dec 2022 23:29

Tgt Ion: 69 Resp: 793
 Ion Ratio Lower Upper
 69 100
 41 6968.1 54.3 81.5#
 39 2956.2 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 2.125 ug/l

RT: 9.482 min Scan# 1177

Delta R.T. 0.171 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

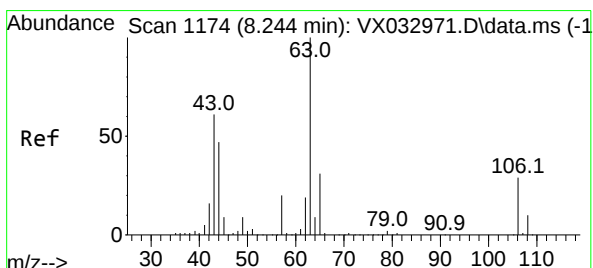
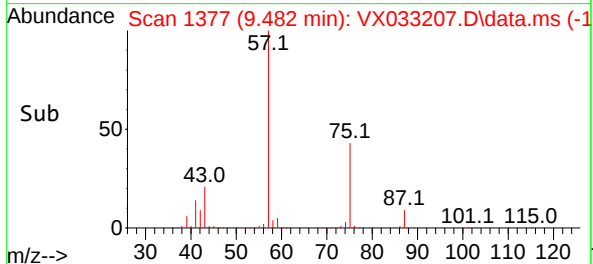
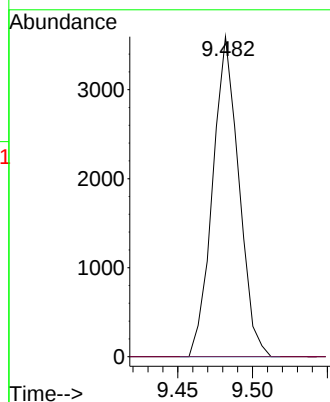
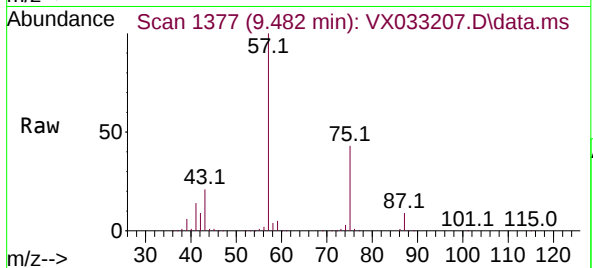
PB149377ZHE#01

Tgt Ion: 76 Resp: 4385

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.886 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX033207.D

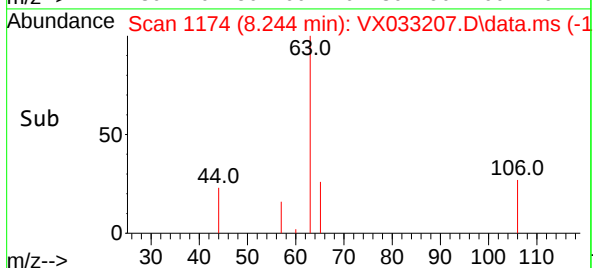
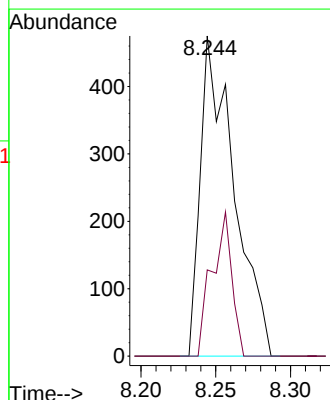
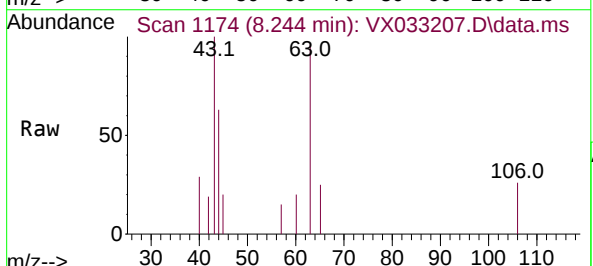
Acq: 02 Dec 2022 23:29

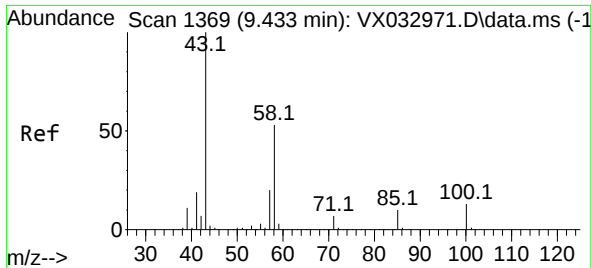
Tgt Ion: 63 Resp: 741

Ion Ratio Lower Upper

63 100

106 26.9 23.3 34.9

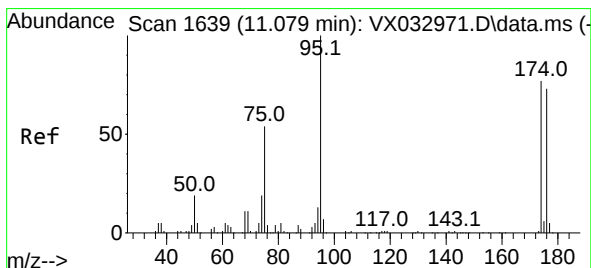
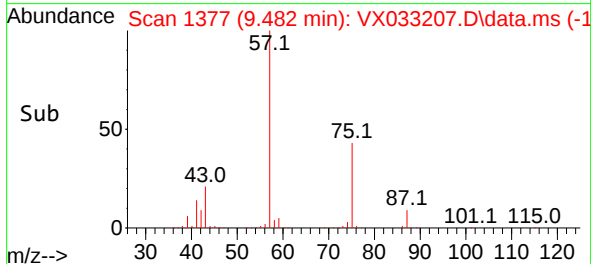
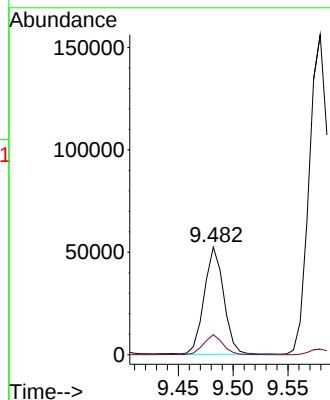
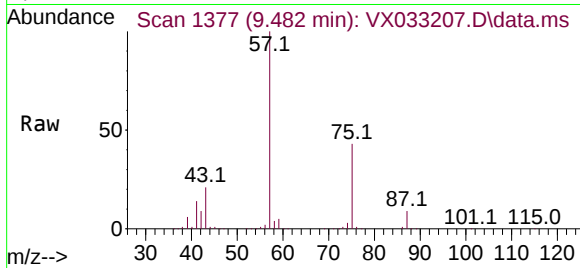




#59
2-Hexanone
Concen: 57.948 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

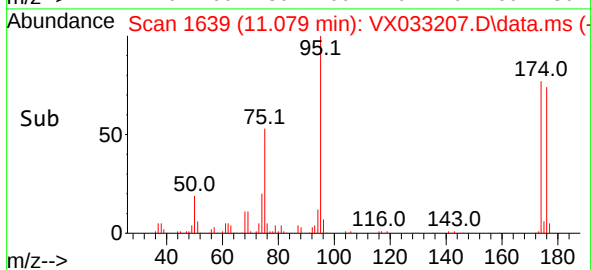
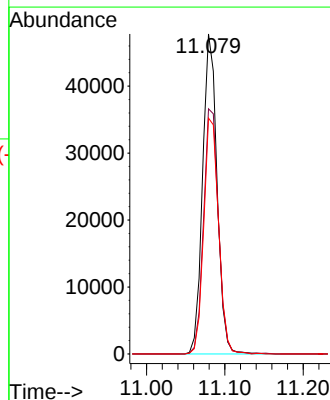
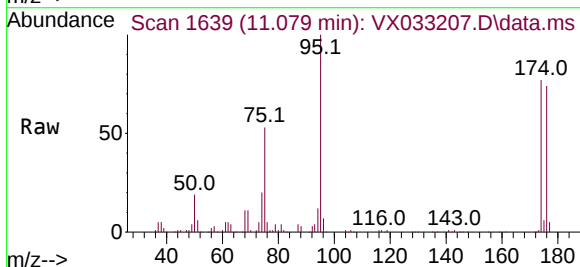
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

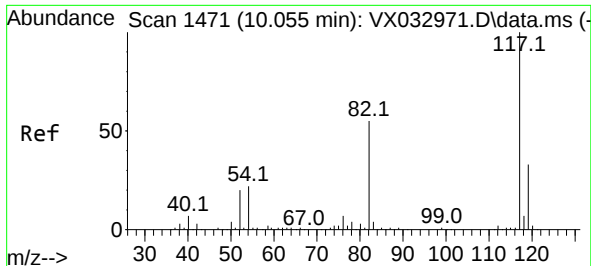
Tgt Ion: 43 Resp: 64884
Ion Ratio Lower Upper
43 100
58 18.6 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 43.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion: 95 Resp: 61208
Ion Ratio Lower Upper
95 100
174 78.7 0.0 164.0
176 75.8 0.0 154.4

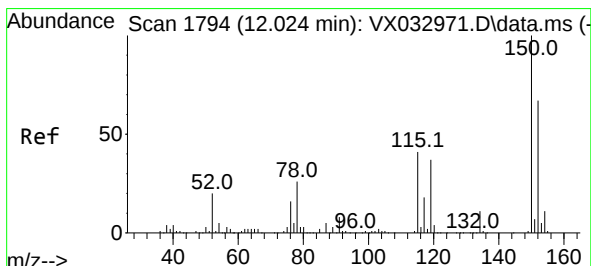
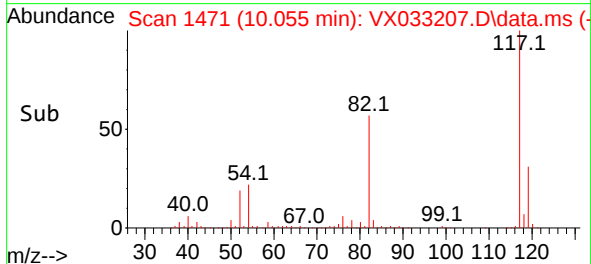
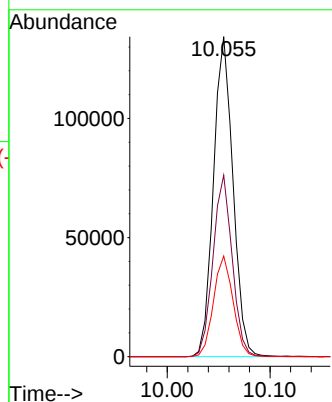
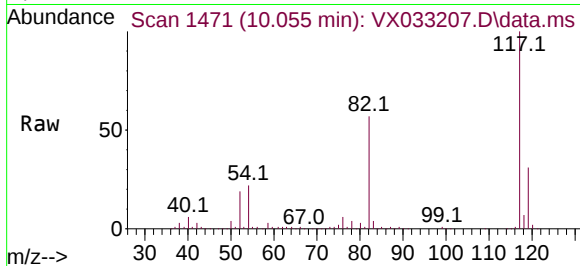




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

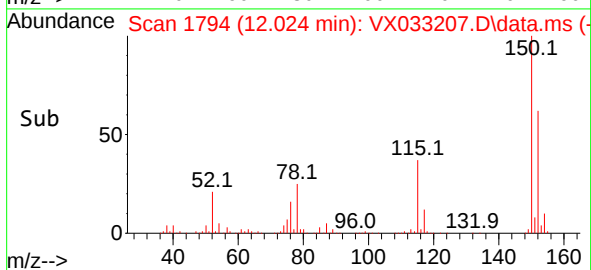
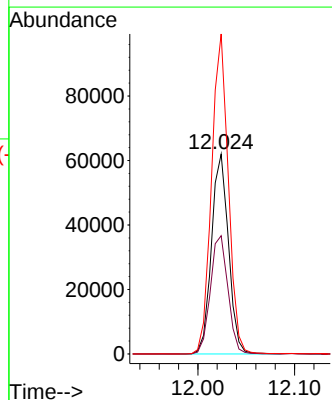
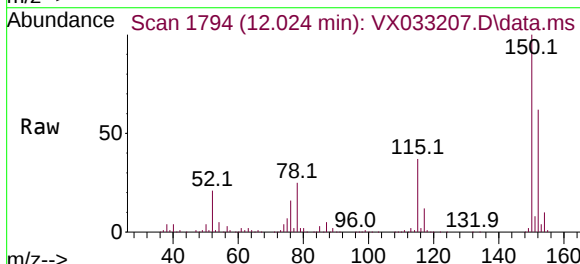
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

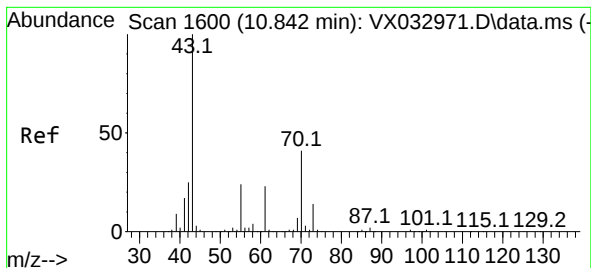
Tgt Ion:117 Resp: 177298
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

Tgt Ion:152 Resp: 75823
Ion Ratio Lower Upper
152 100
115 61.1 44.0 132.0
150 157.7 0.0 351.8





#74

N-amy1 acetate

Concen: 12.582 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033207.D

Acq: 02 Dec 2022 23:29

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#01

Tgt Ion: 43 Resp: 23191

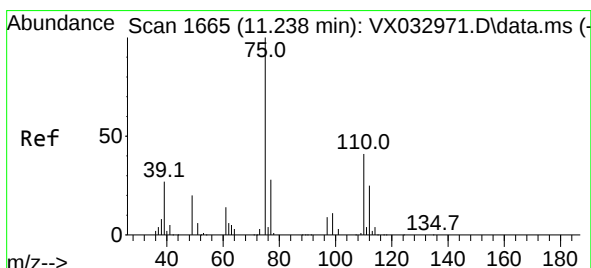
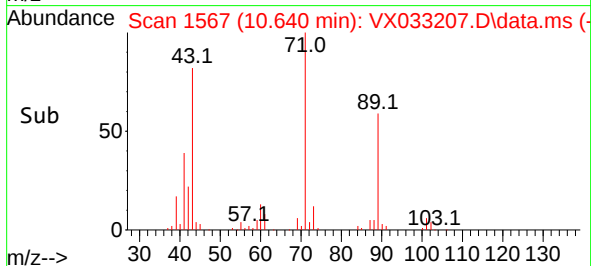
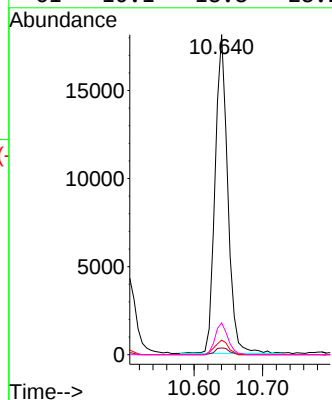
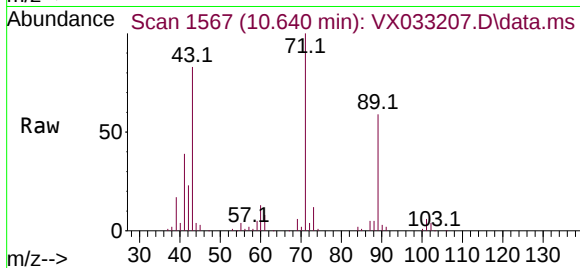
Ion Ratio Lower Upper

43 100

70 2.4 33.6 50.4#

55 4.8 19.4 29.2#

61 10.1 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.668 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033207.D

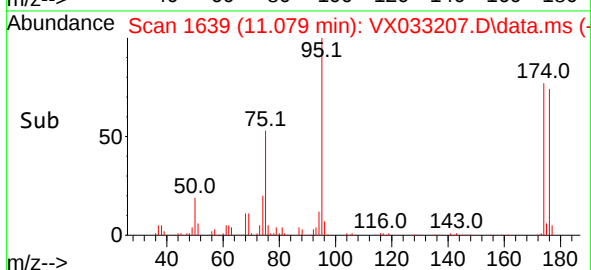
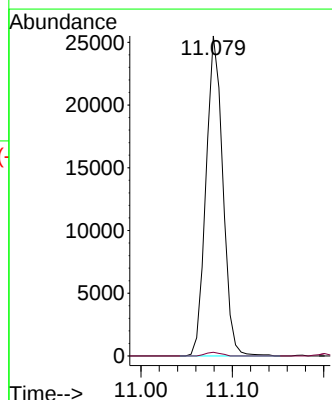
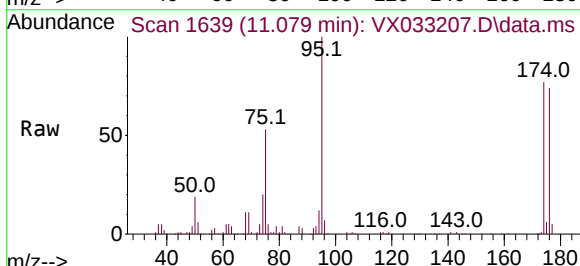
Acq: 02 Dec 2022 23:29

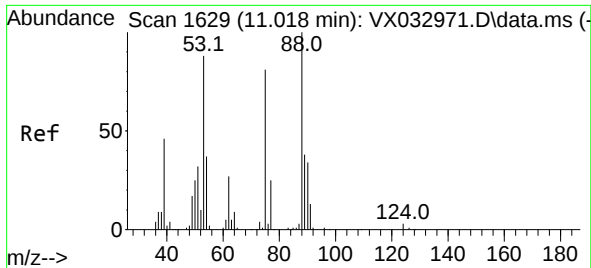
Tgt Ion: 75 Resp: 32551

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#

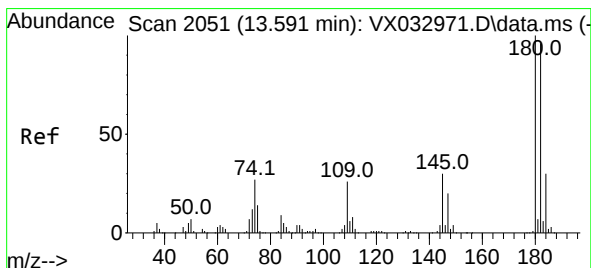
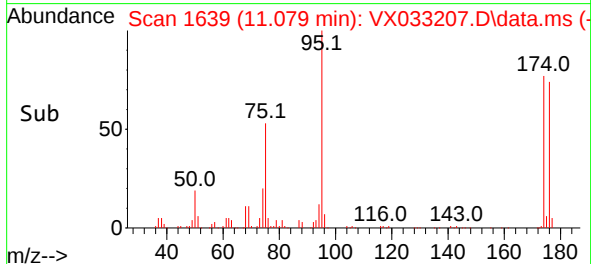
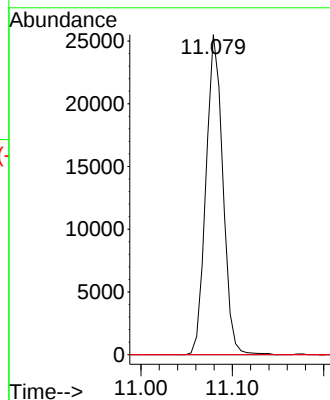
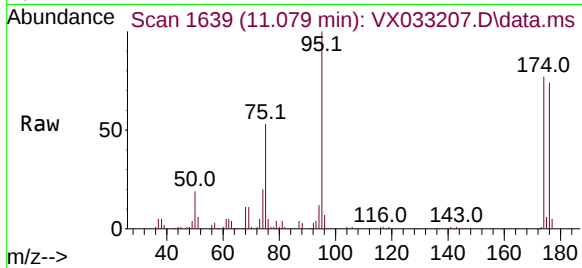




#81
trans-1,4-Dichloro-2-butene
Concen: 73.683 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

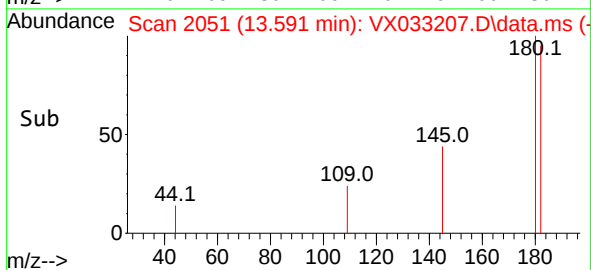
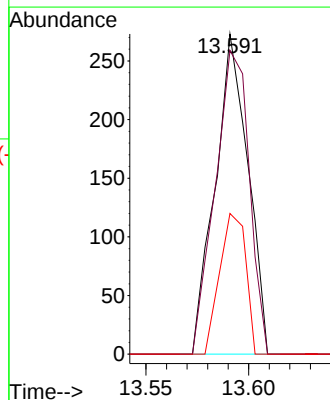
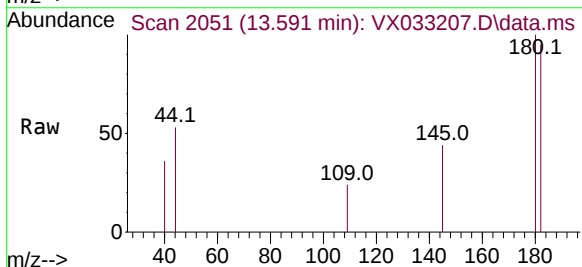
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#01

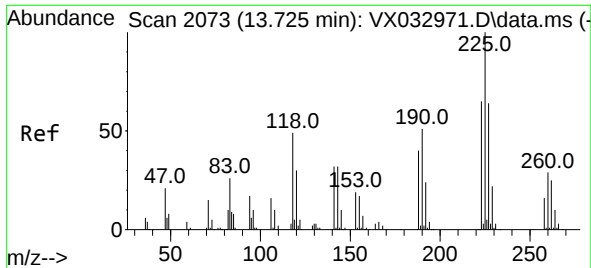
Tgt Ion: 75 Resp: 32551
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX033207.D
Acq: 02 Dec 2022 23:29

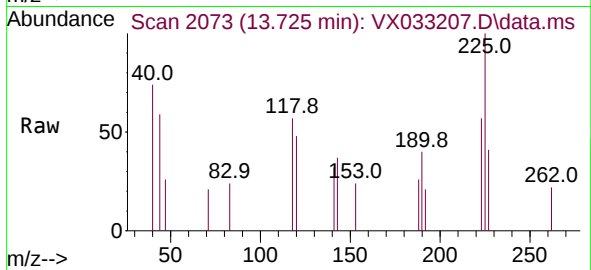
Tgt Ion:180 Resp: 303
Ion Ratio Lower Upper
180 100
182 98.7 48.4 145.0
145 35.0 16.2 48.5





#94
 Hexachlorobutadiene
 Concen: 0.333 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX033207.D
 Acq: 02 Dec 2022 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#01



Tgt Ion:	225	Resp:	220
Ion	Ratio	Lower	Upper
225	100		
223	71.8	31.9	95.9
227	44.1	31.9	95.5

