

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029929.D
 Acq On : 05 Jul 2022 18:36
 Operator : JC/MD
 Sample : PB145991ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#15

Quant Time: Jul 06 06:58:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

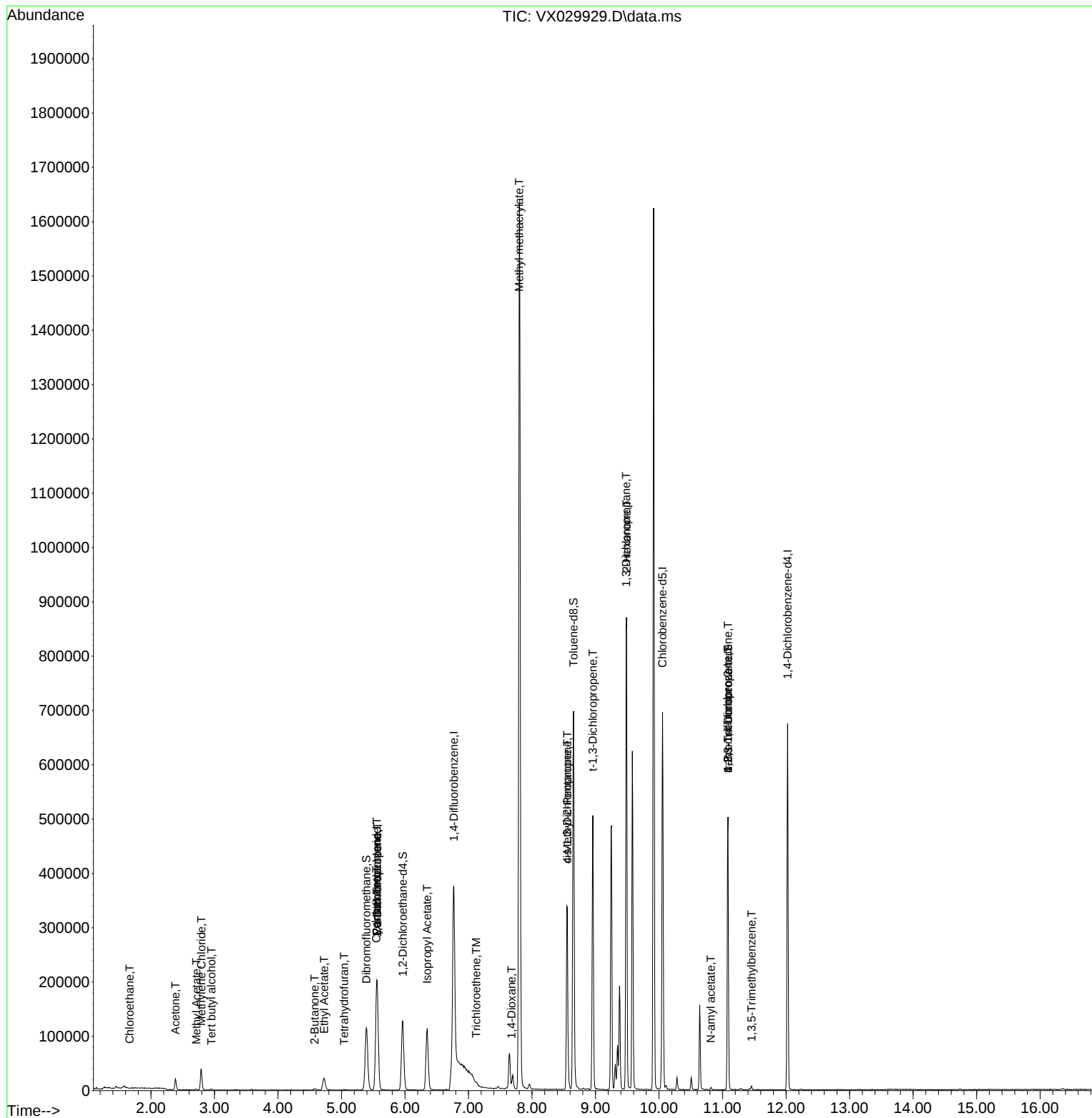
Internal Standards						
1) Pentafluorobenzene	5.556	168	203099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	357137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114385	44.492	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.980%
35) Dibromofluoromethane	5.391	113	103149	46.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.440%
50) Toluene-d8	8.653	98	414402	49.493	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.980%
62) 4-Bromofluorobenzene	11.085	95	138303	46.728	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.460%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	196	1.152	ug/l #	41
11) Tert butyl alcohol	2.953	59	1160	1.725	ug/l #	79
13) Acrolein	2.233	56	45	Below Cal	#	1
16) Acetone	2.386	43	20968	16.671	ug/l	98
18) Methyl Acetate	2.715	43	2354	0.607	ug/l	96
20) Methylene Chloride	2.794	84	17853	6.721	ug/l	94
25) 2-Butanone	4.574	43	3518	1.612	ug/l	92
29) Tetrahydrofuran	5.044	42	1158	0.806	ug/l #	69
31) Cyclohexane	5.550	56	4570	1.275	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15037	5.066	ug/l #	48
37) Ethyl Acetate	4.727	43	38910	9.584	ug/l	97
38) Carbon Tetrachloride	5.556	117	19311	7.508	ug/l #	17
43) Isopropyl Acetate	6.348	43	153246	25.066	ug/l	100
44) Trichloroethene	7.123	130	1144	0.443	ug/l	68
48) Methyl methacrylate	7.799	41	132428	45.686	ug/l #	41
49) 1,4-Dioxane	7.677	88	45	0.656	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	115177	28.570	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	982	0.310	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	58927	16.458	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	7811	1.924	ug/l #	42
59) 2-Hexanone	9.488	43	102209	32.670	ug/l #	51
74) N-amyl acetate	10.817	43	1146	0.235	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	65175	19.965	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	2767	0.338	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.085	75	65175	63.403	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
Data File : VX029929.D
Acq On : 05 Jul 2022 18:36
Operator : JC/MD
Sample : PB145991ZHE#15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

Quant Time: Jul 06 06:58:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

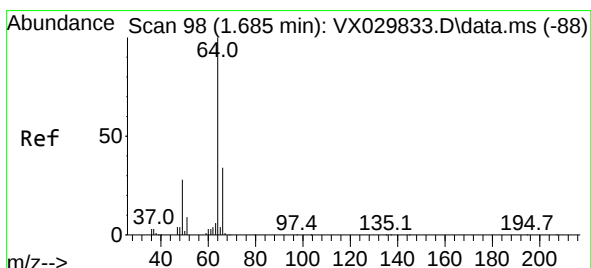
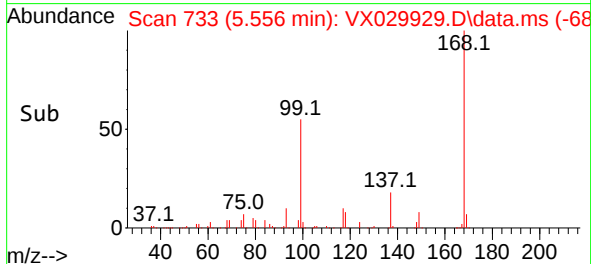
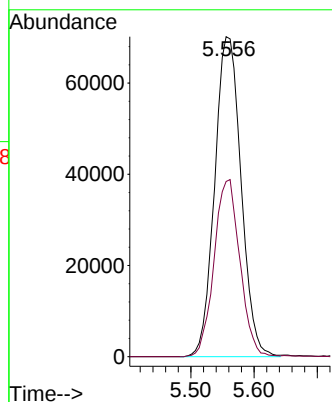
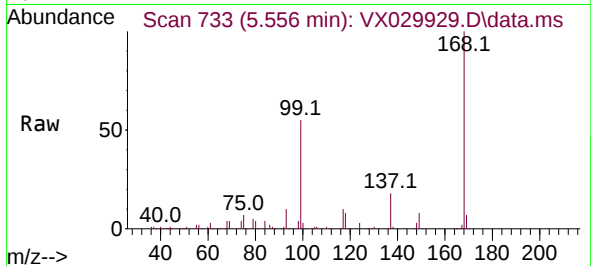




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

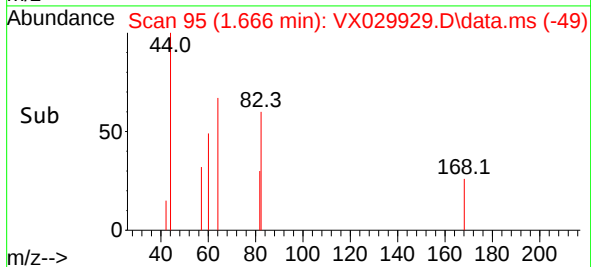
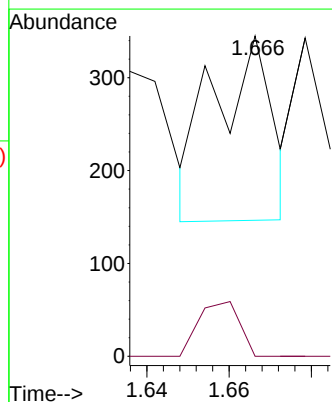
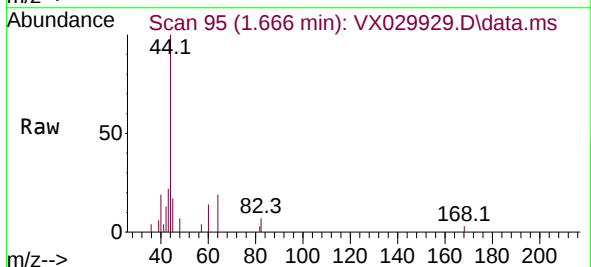
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

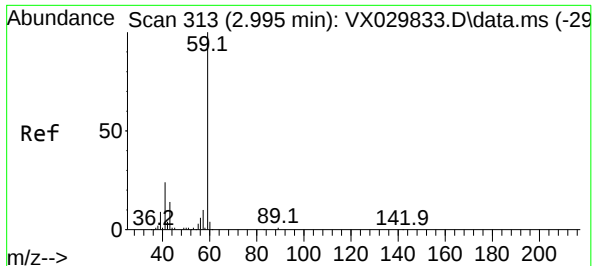
Tgt Ion:168 Resp: 203099
Ion Ratio Lower Upper
168 100
99 54.8 44.0 66.0



#6
Chloroethane
Concen: 1.152 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

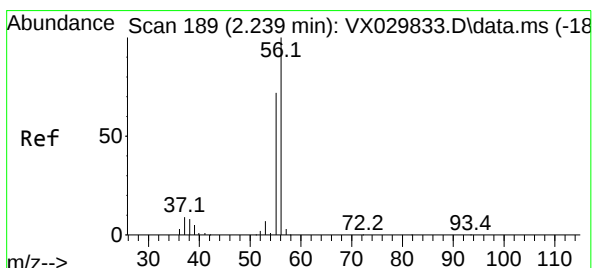
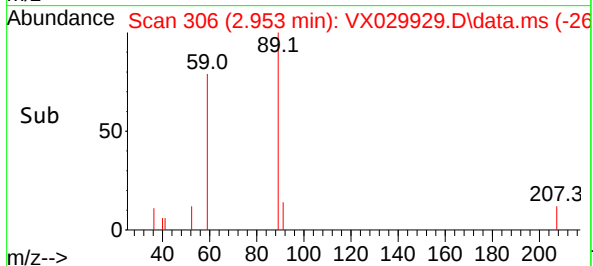
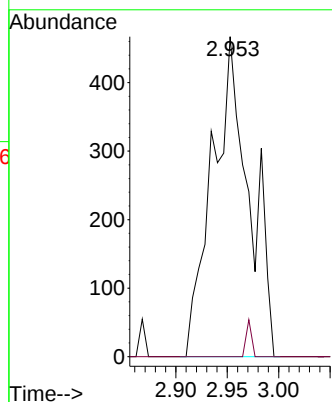
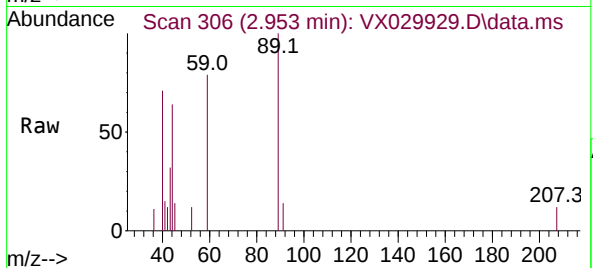




#11
Tert butyl alcohol
Concen: 1.725 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

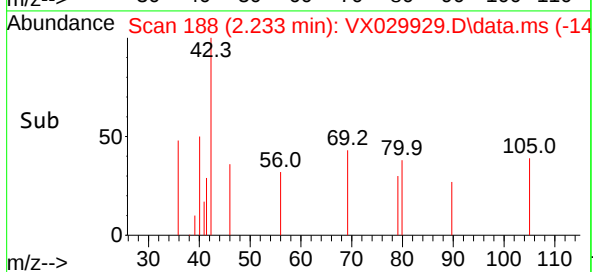
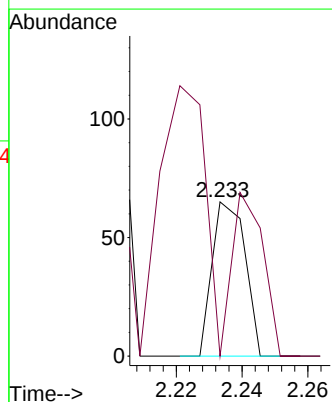
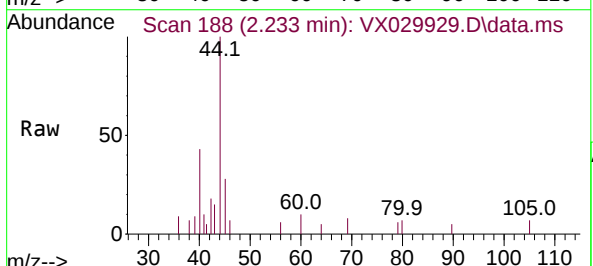
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

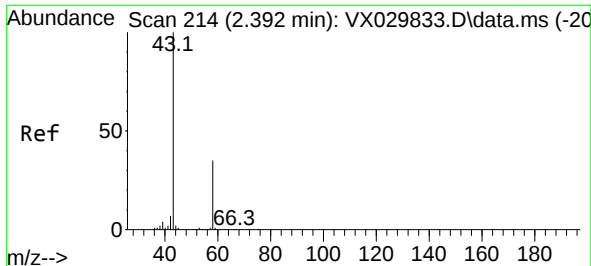
Tgt Ion: 59 Resp: 1160
Ion Ratio Lower Upper
59 100
57 1.7 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 242.2 56.6 84.8#

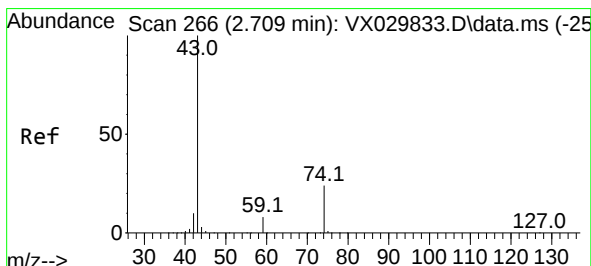
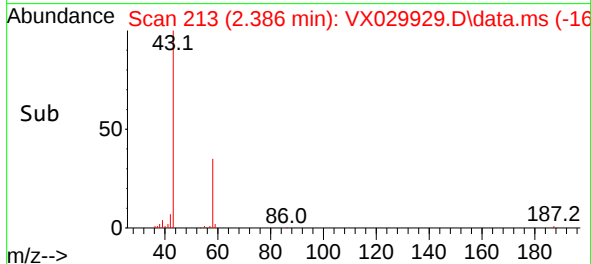
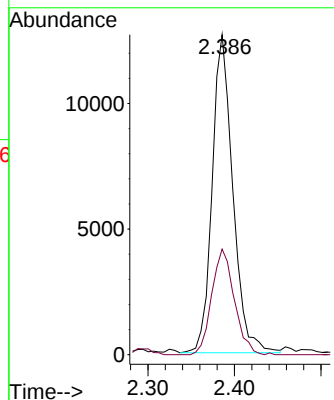
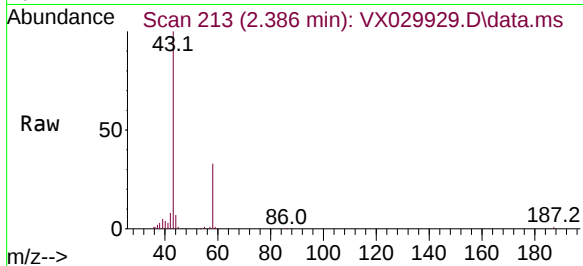




#16
Acetone
Concen: 16.671 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

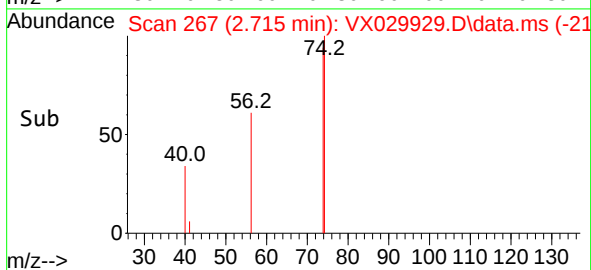
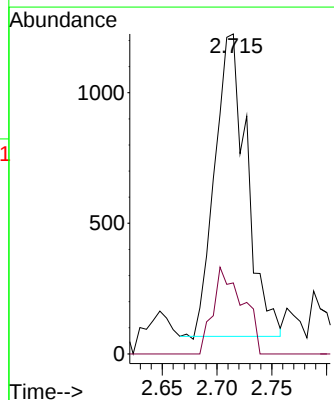
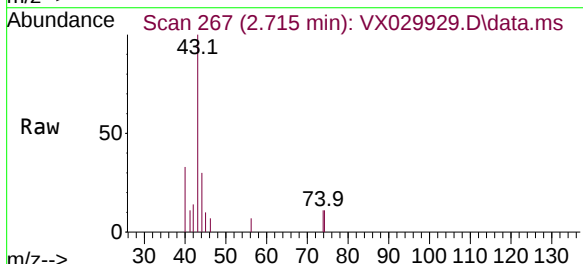
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

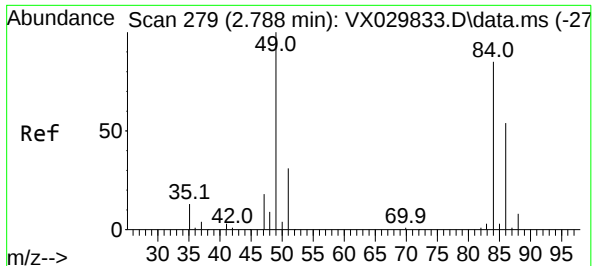
Tgt Ion: 43 Resp: 20968
Ion Ratio Lower Upper
43 100
58 33.2 27.7 41.5



#18
Methyl Acetate
Concen: 0.607 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
74 26.3 19.4 29.2





#20

Methylene Chloride

Concen: 6.721 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#15

Tgt Ion: 84 Resp: 17853

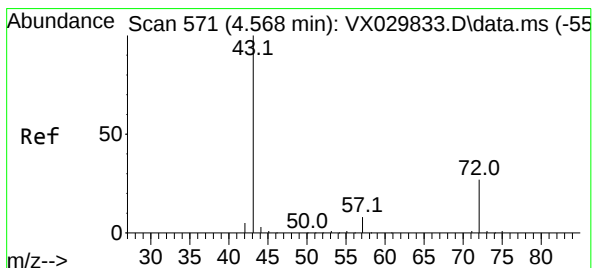
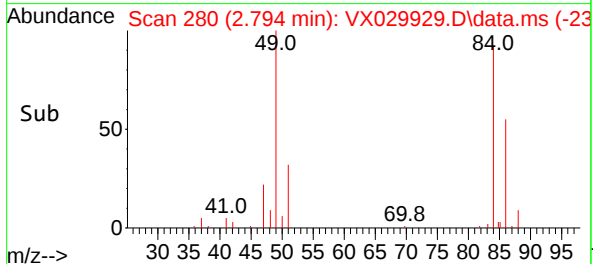
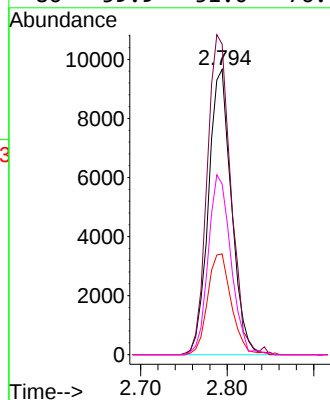
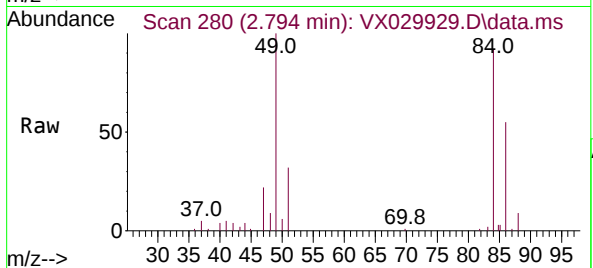
Ion Ratio Lower Upper

84 100

49 108.8 93.8 140.6

51 35.3 29.4 44.0

86 59.9 51.0 76.4



#25

2-Butanone

Concen: 1.612 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX029929.D

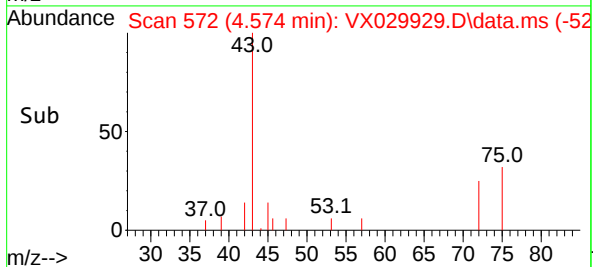
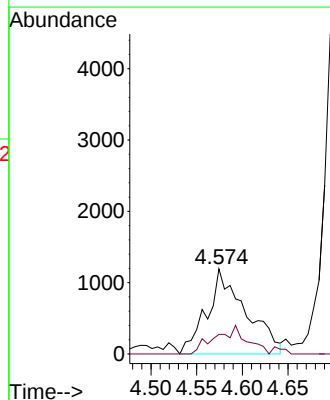
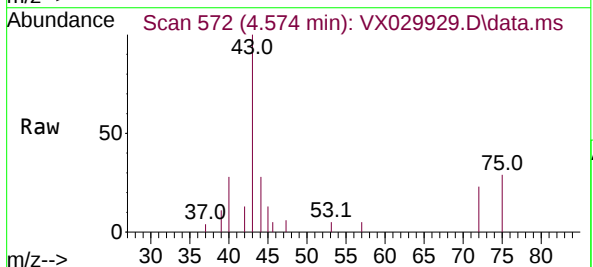
Acq: 05 Jul 2022 18:36

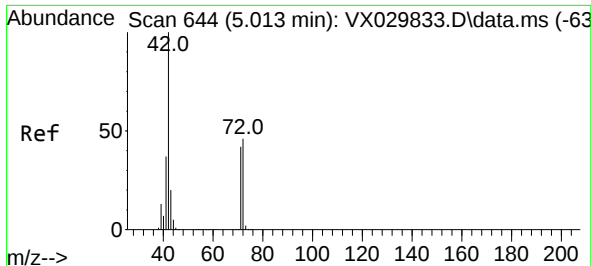
Tgt Ion: 43 Resp: 3518

Ion Ratio Lower Upper

43 100

72 22.9 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.806 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#15

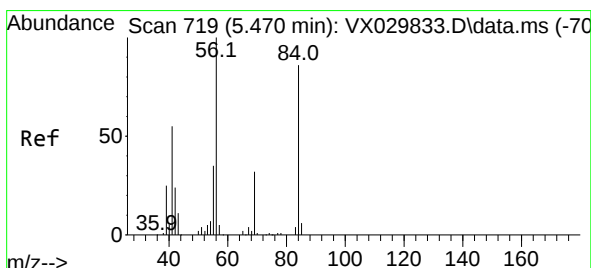
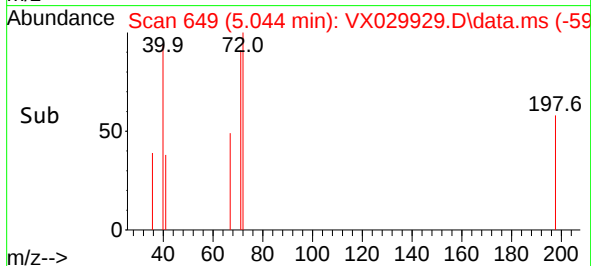
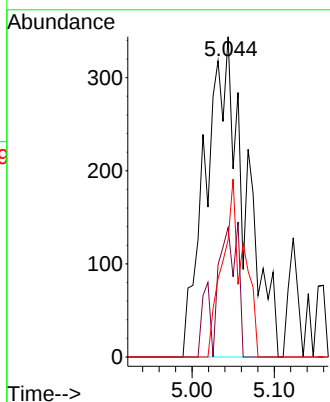
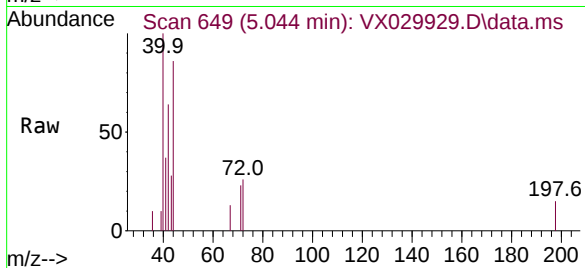
Tgt Ion: 42 Resp: 1158

Ion Ratio Lower Upper

42 100

72 18.6 36.5 54.7#

71 29.2 33.9 50.9#



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

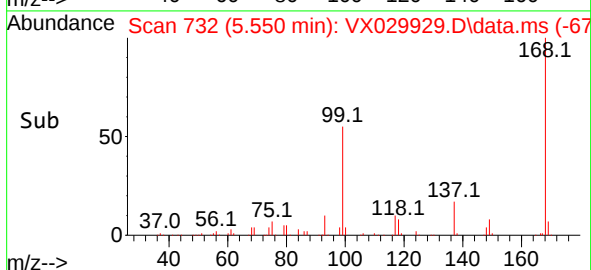
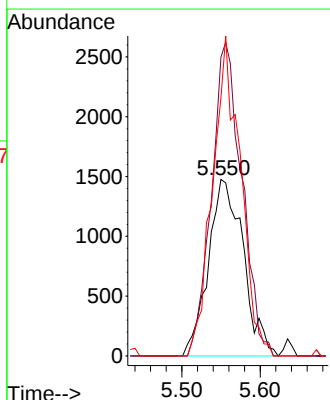
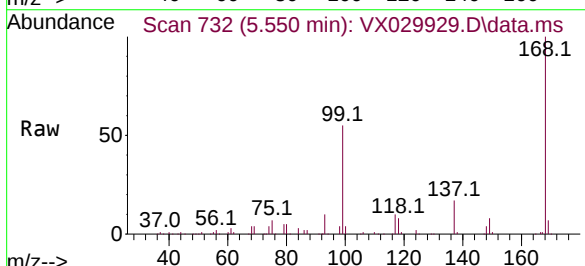
Tgt Ion: 56 Resp: 4570

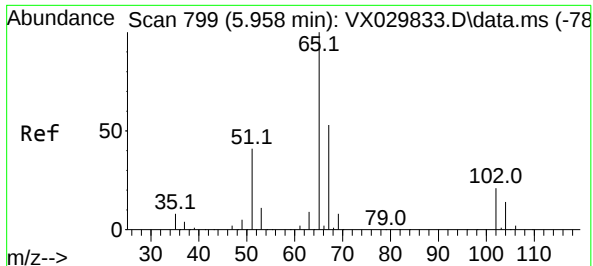
Ion Ratio Lower Upper

56 100

69 169.2 25.4 38.0#

84 146.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.492 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

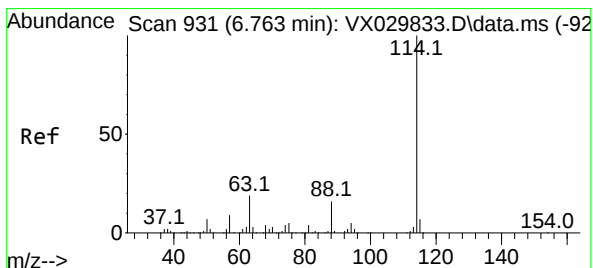
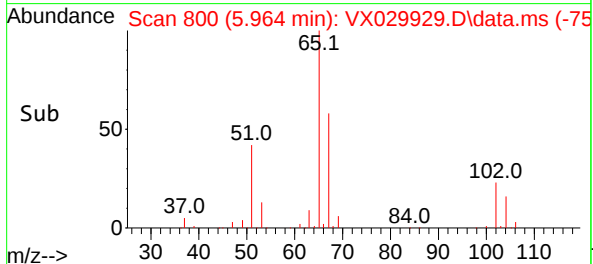
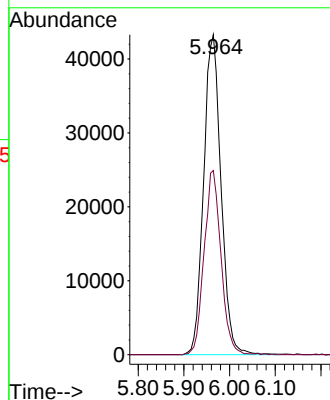
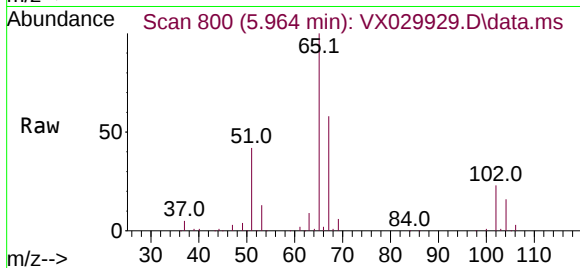
PB145991ZHE#15

Tgt Ion: 65 Resp: 114385

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

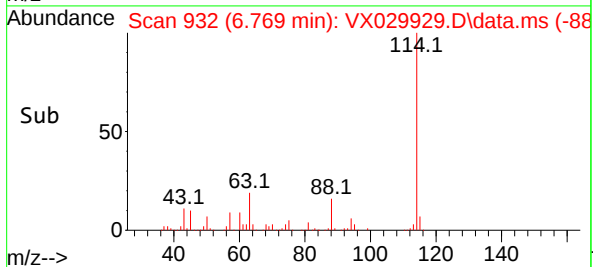
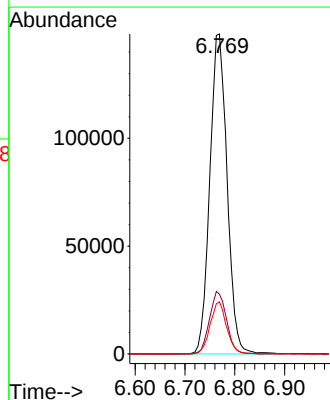
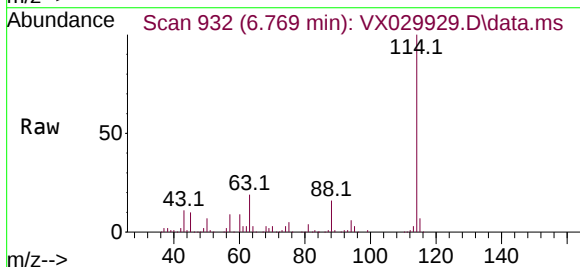
Tgt Ion: 114 Resp: 357137

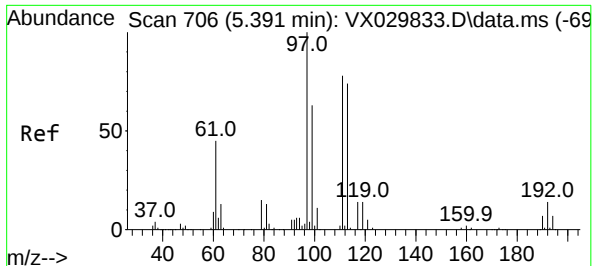
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 16.3 0.0 31.8

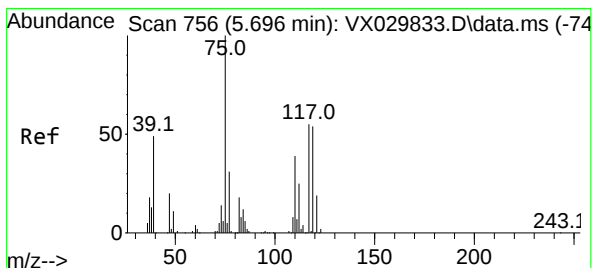
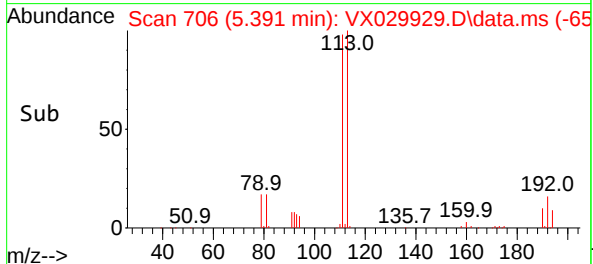
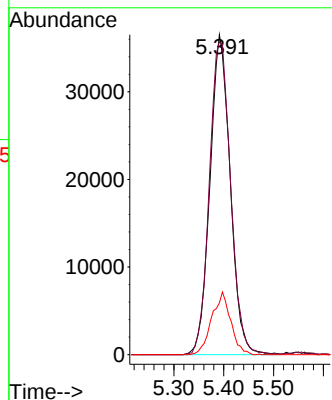
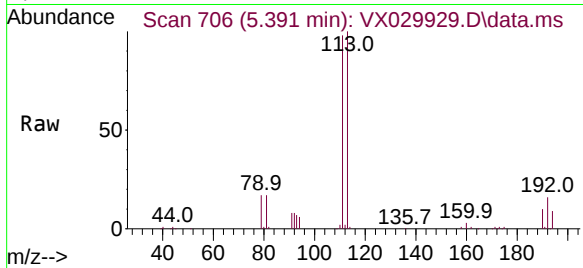




#35
Dibromofluoromethane
Concen: 46.215 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

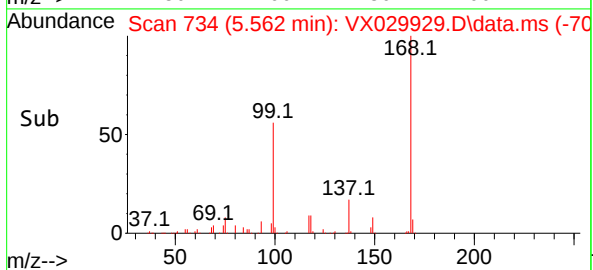
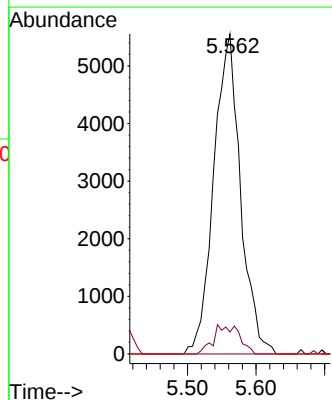
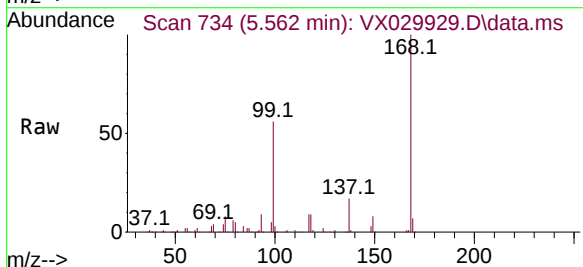
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

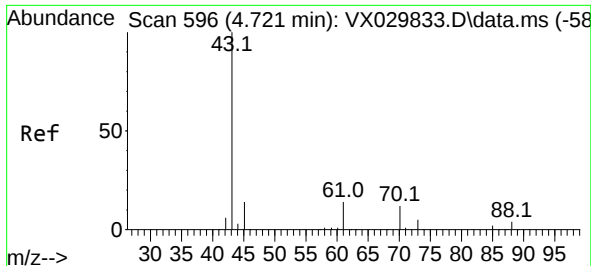
Tgt Ion:113 Resp: 103149
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 18.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.066 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 75 Resp: 15037
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.584 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

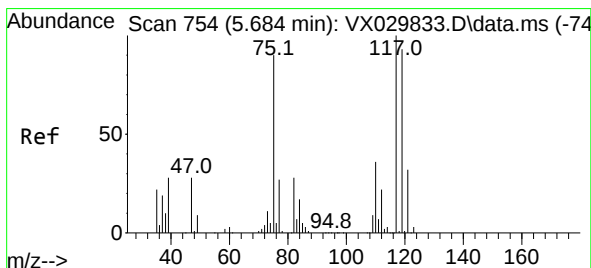
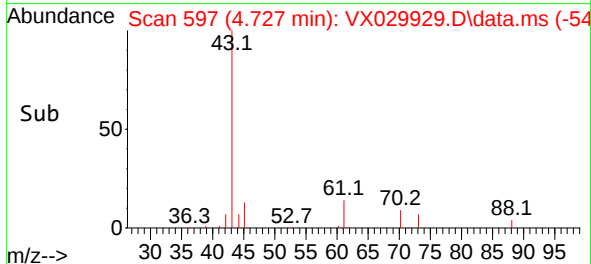
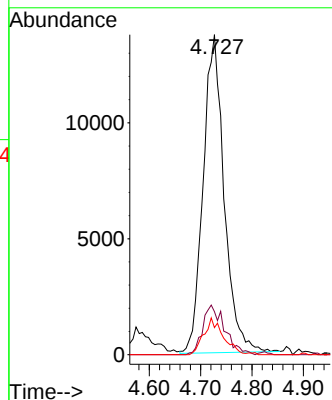
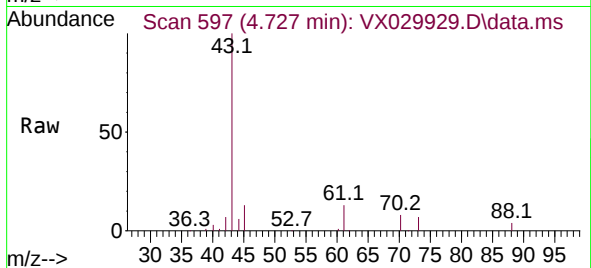
Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#15

Tgt Ion: 43	Resp: 38910
Ion Ratio	Lower Upper
43	100
61	16.3 11.7 17.5
70	10.7 9.3 13.9



#38

Carbon Tetrachloride

Concen: 7.508 ug/l

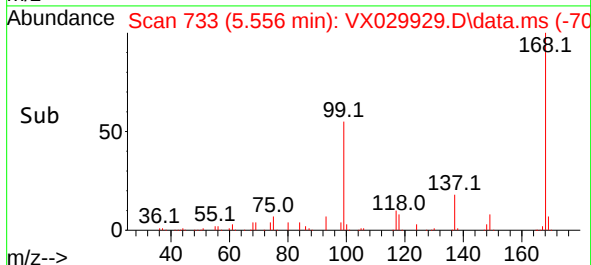
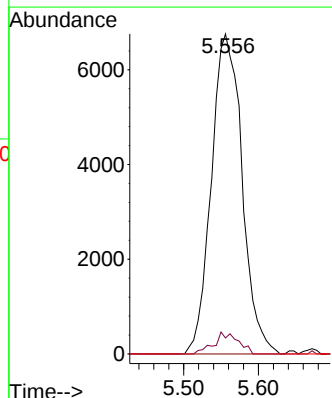
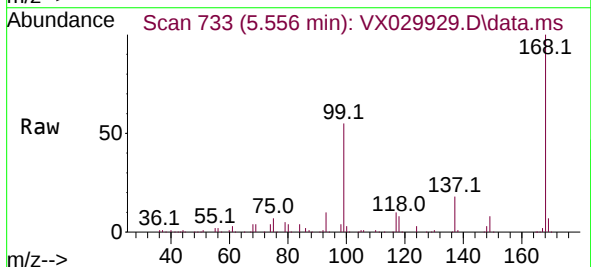
RT: 5.556 min Scan# 733

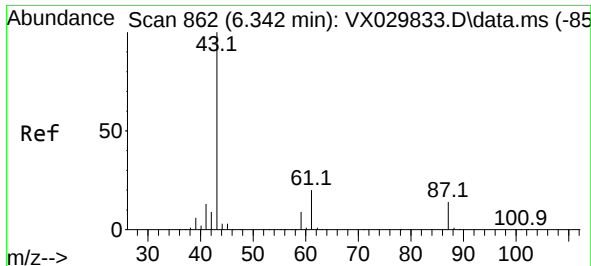
Delta R.T. -0.128 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Tgt Ion: 117	Resp: 19311
Ion Ratio	Lower Upper
117	100
119	5.0 74.1 111.1#
121	0.0 25.8 38.8#

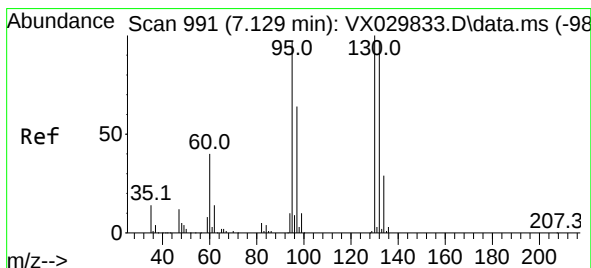
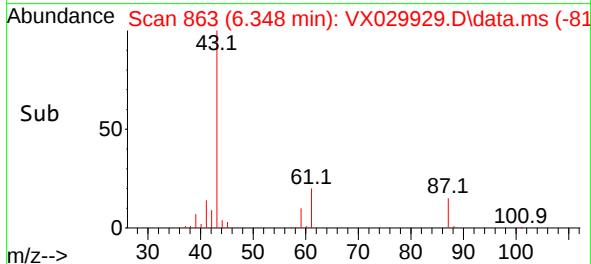
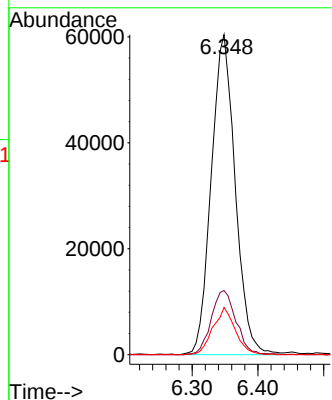
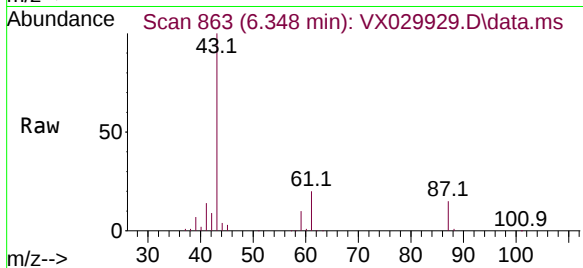




#43
Isopropyl Acetate
Concen: 25.066 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

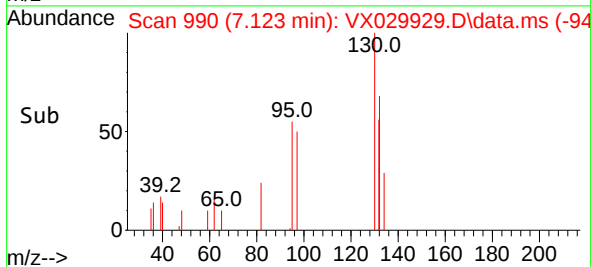
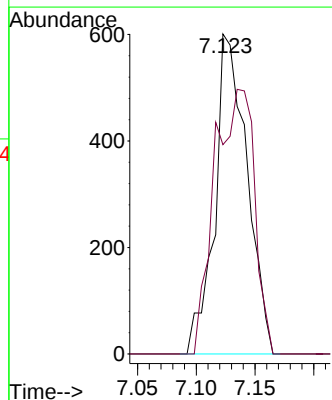
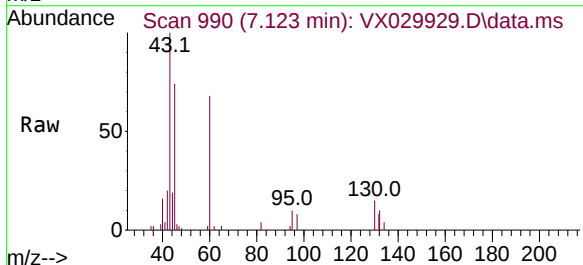
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

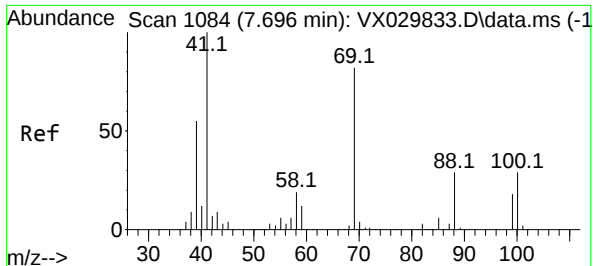
Tgt Ion: 43 Resp: 153246
Ion Ratio Lower Upper
43 100
61 20.8 16.5 24.7
87 13.7 11.1 16.7



#44
Trichloroethene
Concen: 0.443 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion:130 Resp: 1144
Ion Ratio Lower Upper
130 100
95 65.4 0.0 194.8

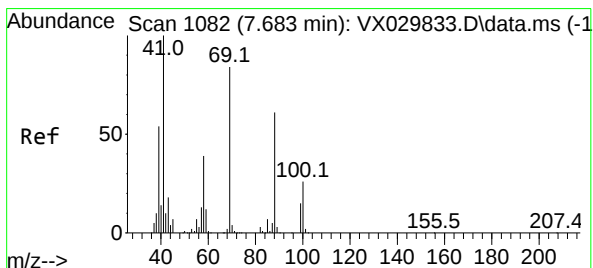
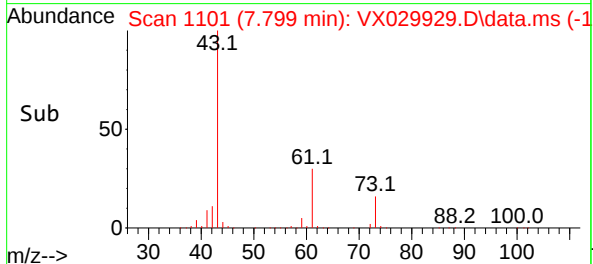
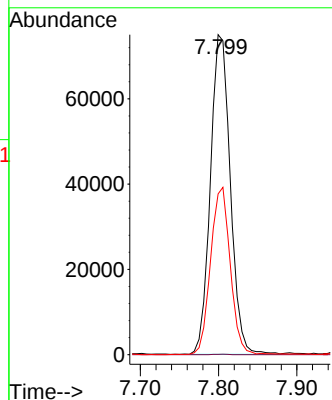
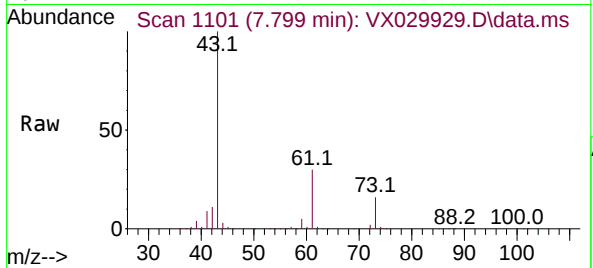




#48
Methyl methacrylate
Concen: 45.686 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

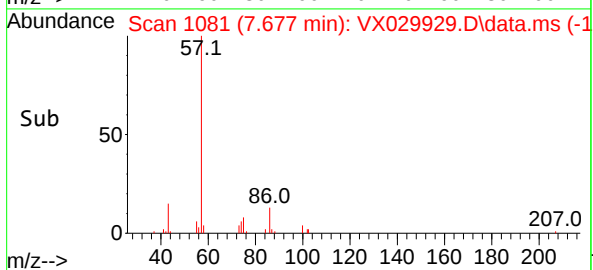
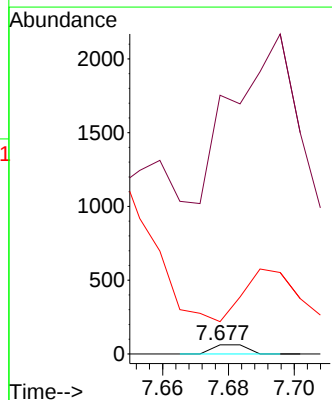
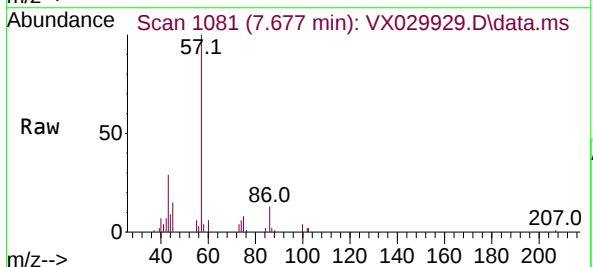
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

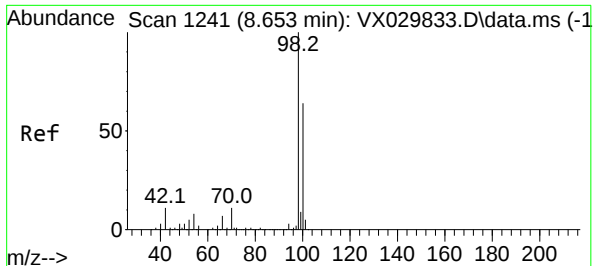
Tgt Ion: 41 Resp: 132428
Ion Ratio Lower Upper
41 100
69 0.1 68.8 103.2#
39 52.2 44.6 66.8



#49
1,4-Dioxane
Concen: 0.656 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 2135.6 53.8 80.6#

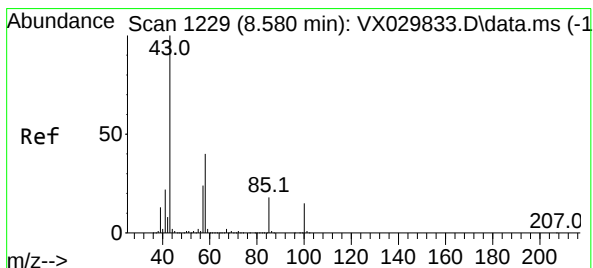
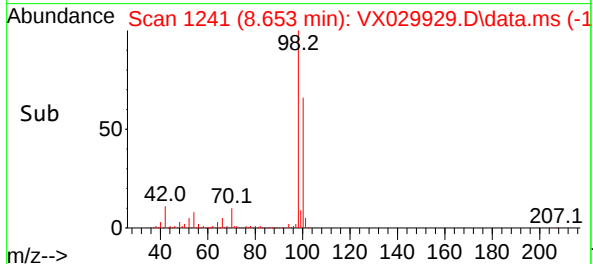
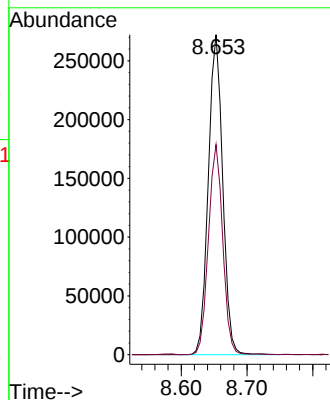
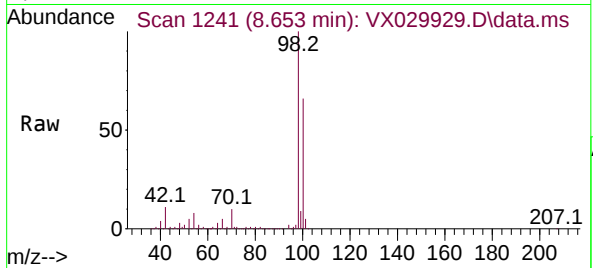




#50
Toluene-d8
Concen: 49.493 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

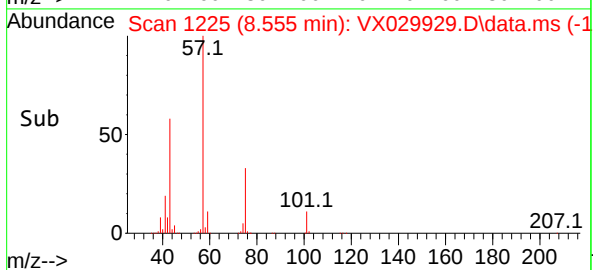
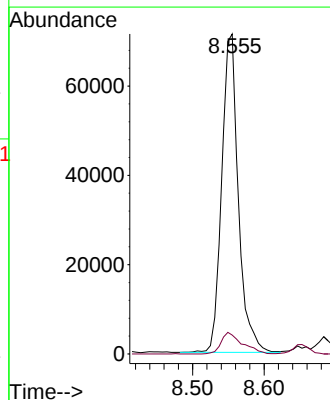
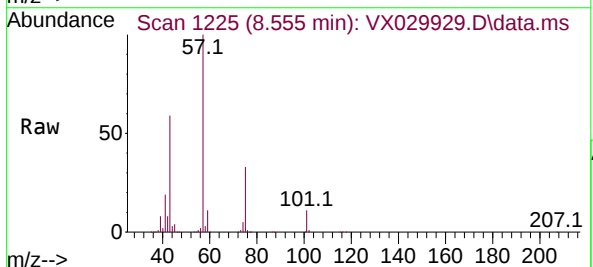
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

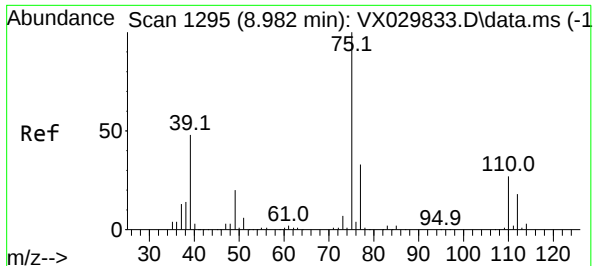
Tgt Ion: 98 Resp: 414402
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 28.570 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.024 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 43 Resp: 115177
Ion Ratio Lower Upper
43 100
58 8.7 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.310 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

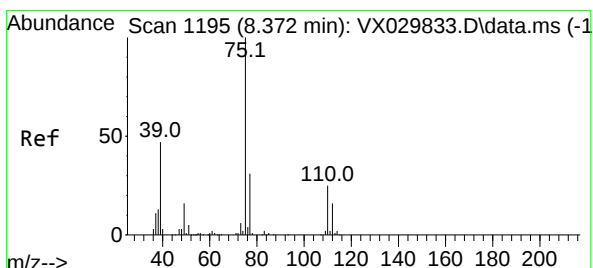
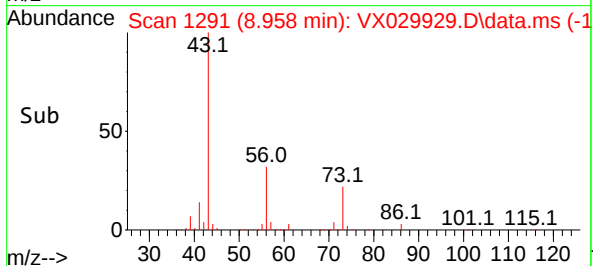
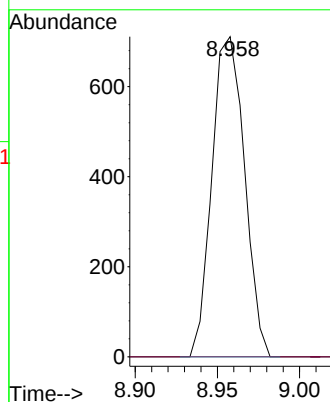
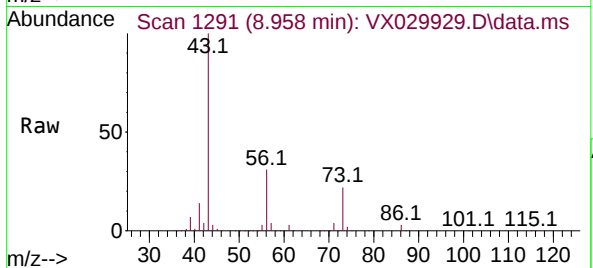
PB145991ZHE#15

Tgt Ion: 75 Resp: 982

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 16.458 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

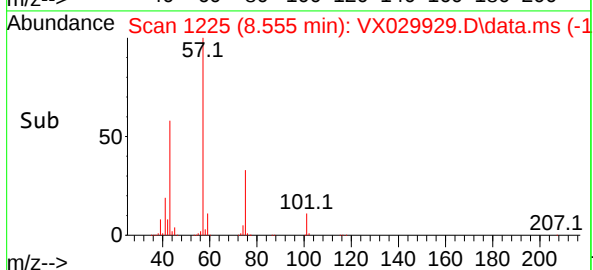
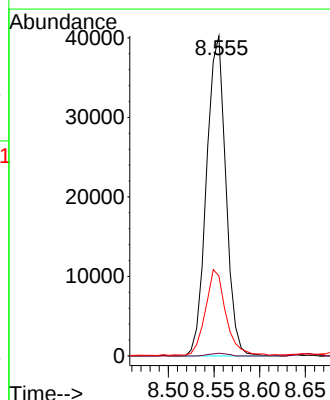
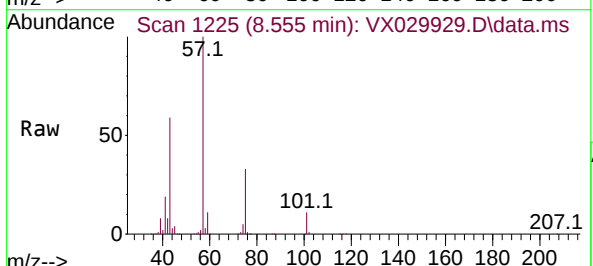
Tgt Ion: 75 Resp: 58927

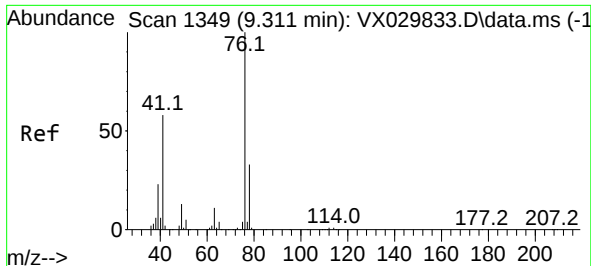
Ion Ratio Lower Upper

75 100

77 0.9 25.0 37.4#

39 24.7 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.924 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

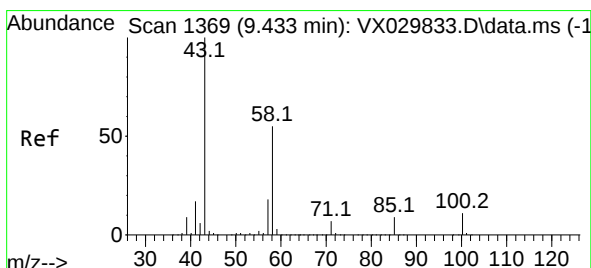
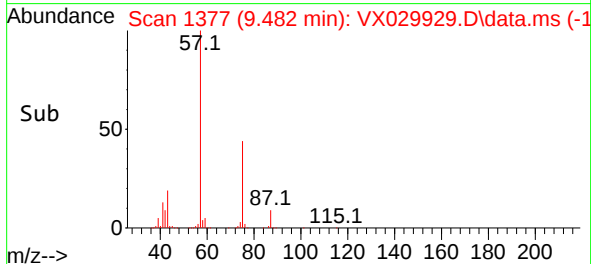
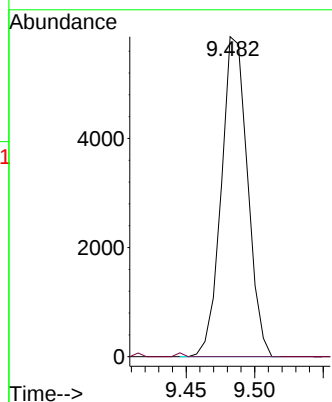
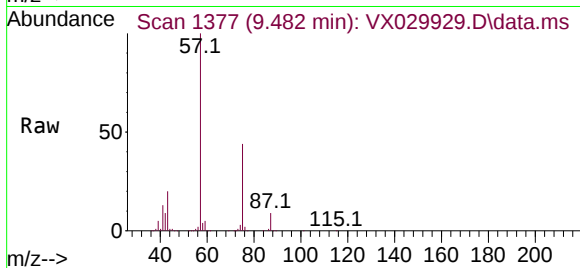
PB145991ZHE#15

Tgt Ion: 76 Resp: 7811

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 32.670 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX029929.D

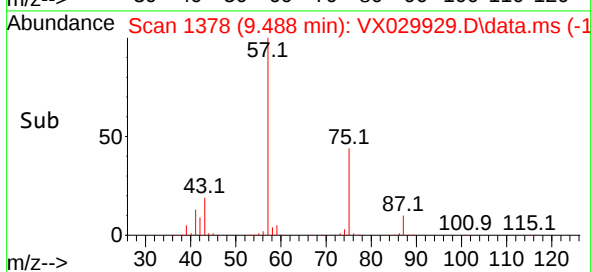
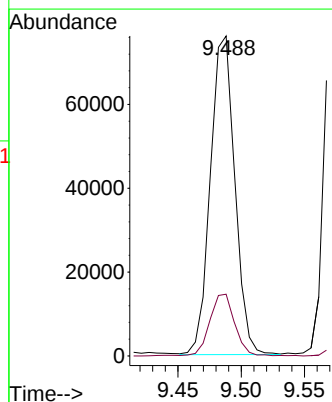
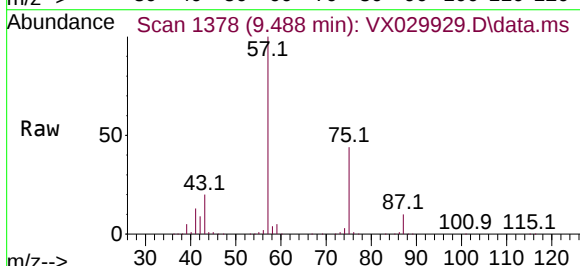
Acq: 05 Jul 2022 18:36

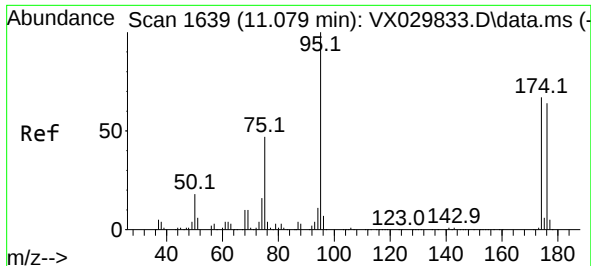
Tgt Ion: 43 Resp: 102209

Ion Ratio Lower Upper

43 100

58 20.1 27.6 82.8#

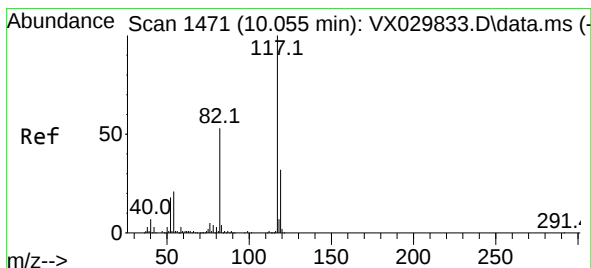
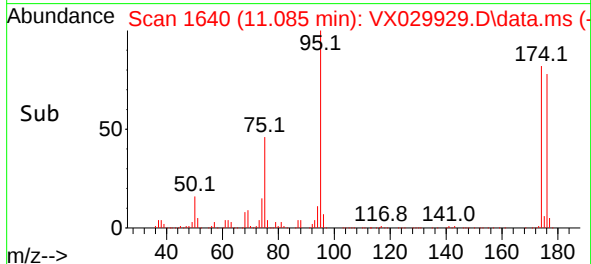
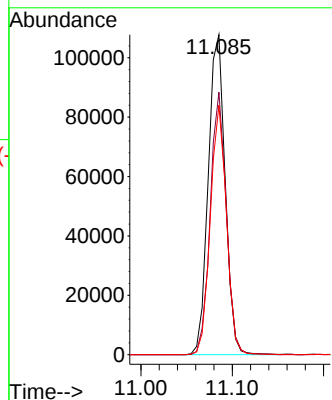
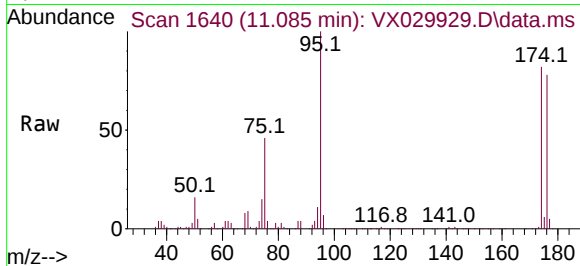




#62
4-Bromofluorobenzene
Concen: 46.728 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

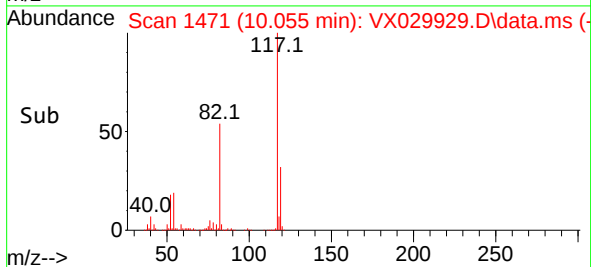
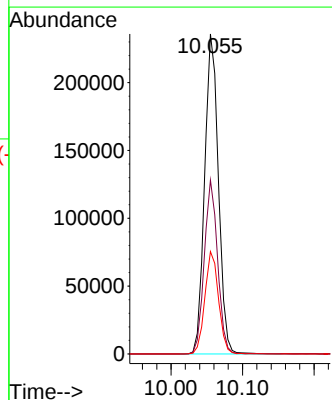
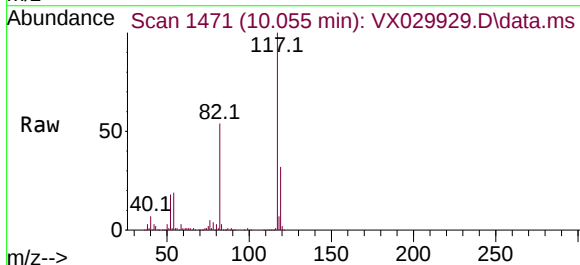
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

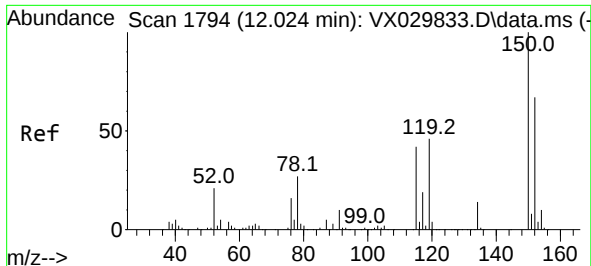
Tgt Ion: 95 Resp: 138303
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.0
176 74.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 117 Resp: 315384
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 32.0 25.4 38.2

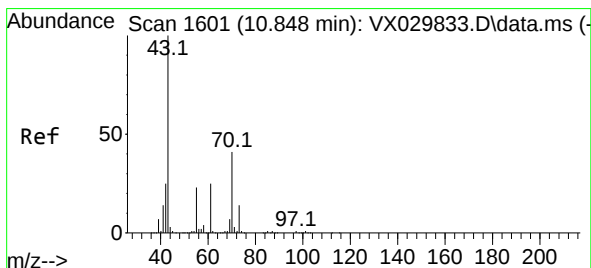
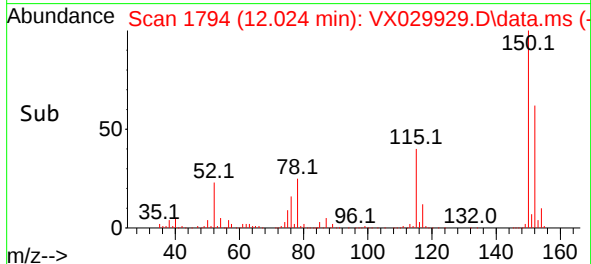
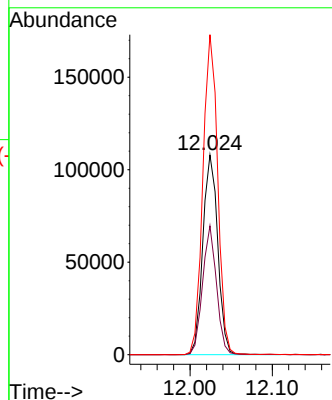
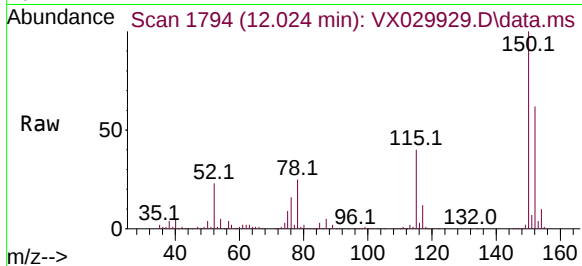




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

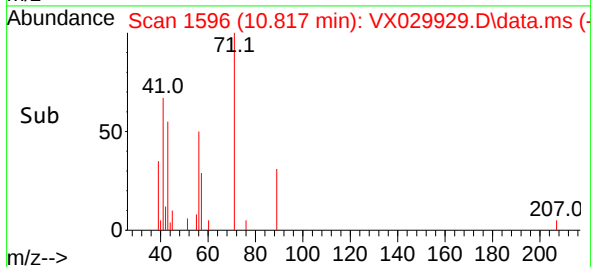
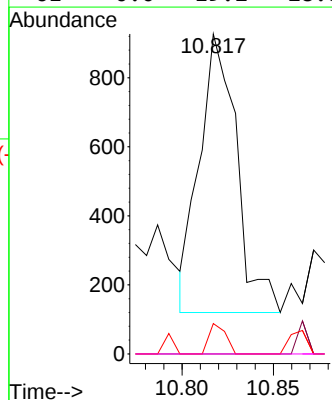
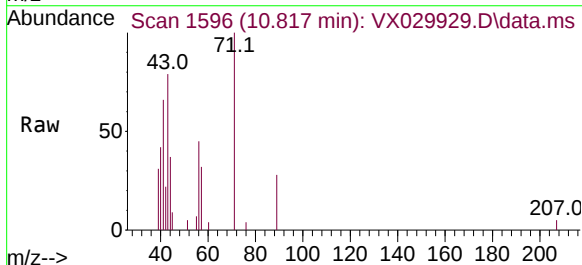
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#15

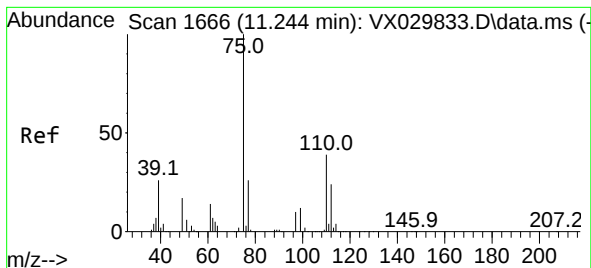
Tgt Ion:152 Resp: 136370
Ion Ratio Lower Upper
152 100
115 60.1 40.5 121.5
150 158.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.235 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.030 min
Lab File: VX029929.D
Acq: 05 Jul 2022 18:36

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 4.9 18.4 27.6#
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 19.965 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX029929.D

Acq: 05 Jul 2022 18:36

Instrument :

MSVOA_X

ClientSampleId :

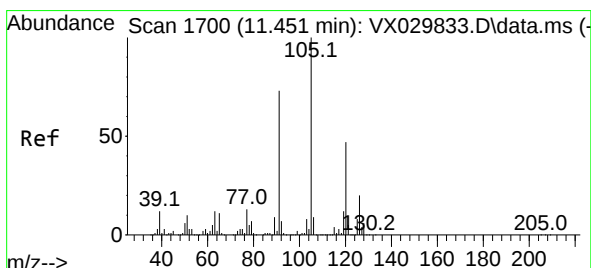
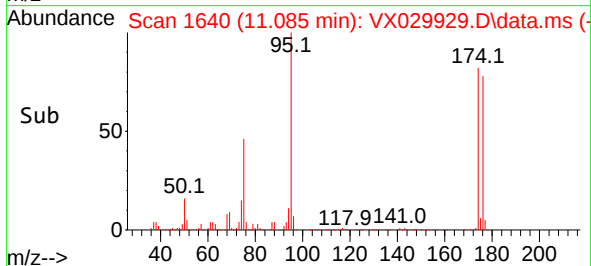
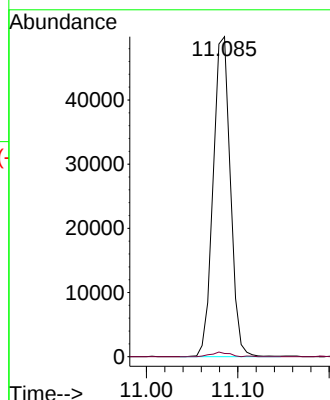
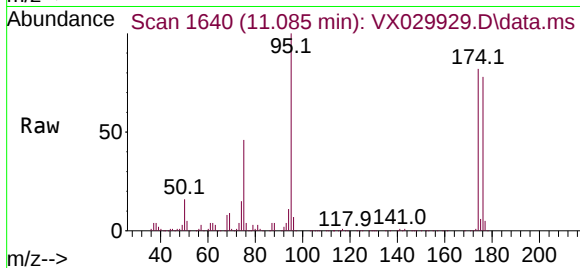
PB145991ZHE#15

Tgt Ion: 75 Resp: 65175

Ion Ratio Lower Upper

75 100

77 1.5 19.8 59.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.338 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX029929.D

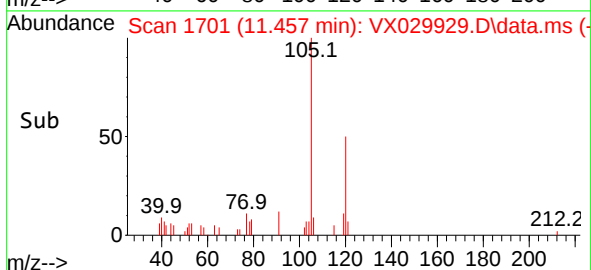
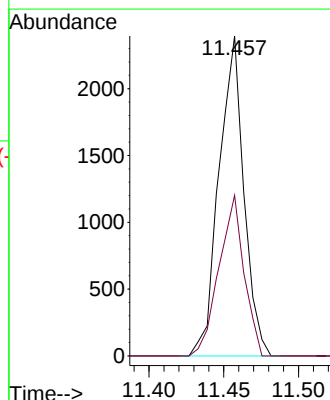
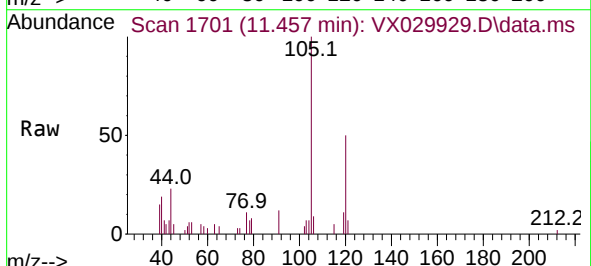
Acq: 05 Jul 2022 18:36

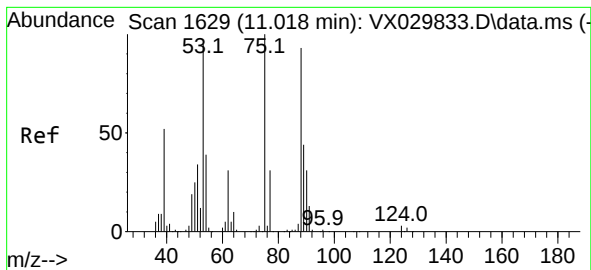
Tgt Ion: 105 Resp: 2767

Ion Ratio Lower Upper

105 100

120 50.6 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.403 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX029929.D
 Acq: 05 Jul 2022 18:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#15

Tgt Ion: 75 Resp: 65175
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

