

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029920.D
 Acq On : 05 Jul 2022 15:05
 Operator : JC/MD
 Sample : PB145991ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#06

Quant Time: Jul 06 06:55:57 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)

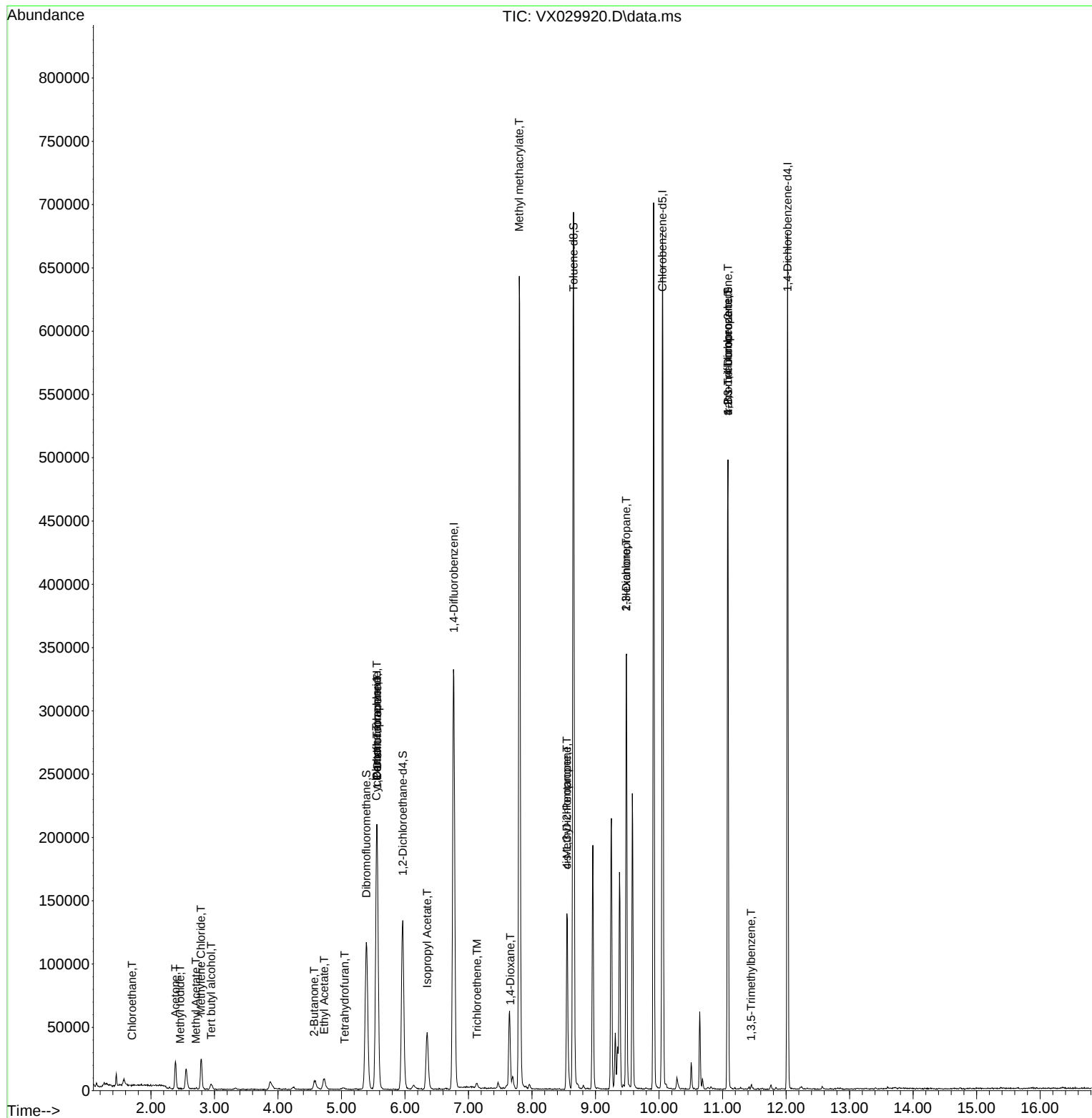
Internal Standards						
1) Pentafluorobenzene	5.556	168	210318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	116307	43.687	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.380%
35) Dibromofluoromethane	5.391	113	104591	46.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.320%
50) Toluene-d8	8.653	98	413095	48.601	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.200%
62) 4-Bromofluorobenzene	11.085	95	138812	46.201	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.400%
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	69	1.076	ug/l #	41
10) Methyl Iodide	2.459	142	301	1.973	ug/l #	86
11) Tert butyl alcohol	2.947	59	3057	4.391	ug/l #	77
13) Acrolein	2.239	56	80	Below Cal	#	14
16) Acetone	2.386	43	22991	17.652	ug/l	100
18) Methyl Acetate	2.709	43	1427	0.355	ug/l #	68
20) Methylene Chloride	2.788	84	11685	4.248	ug/l	90
25) 2-Butanone	4.568	43	6889	3.047	ug/l #	83
29) Tetrahydrofuran	5.050	42	1214	0.816	ug/l #	58
31) Cyclohexane	5.550	56	4322	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15566	5.166	ug/l #	44
37) Ethyl Acetate	4.727	43	14627	3.549	ug/l	96
38) Carbon Tetrachloride	5.556	117	20123	7.707	ug/l #	17
43) Isopropyl Acetate	6.348	43	62329	10.043	ug/l	99
44) Trichloroethene	7.135	130	1554	0.592	ug/l	77
48) Methyl methacrylate	7.799	41	50487	17.158	ug/l #	41
49) 1,4-Dioxane	7.659	88	27	0.387	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	50916	12.442	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	23556	6.481	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3109	0.754	ug/l #	42
59) 2-Hexanone	9.482	43	40144	12.640	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	65145	20.193	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1666	0.206	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	65145	64.127	ug/l #	12

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

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Quant Time: Jul 06 06:55:57 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

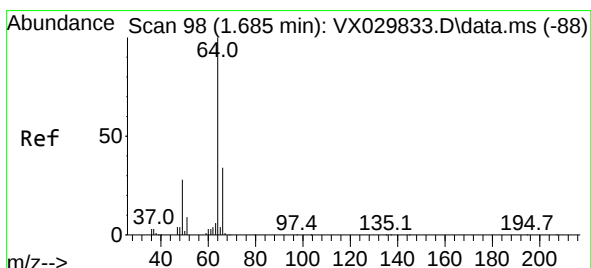
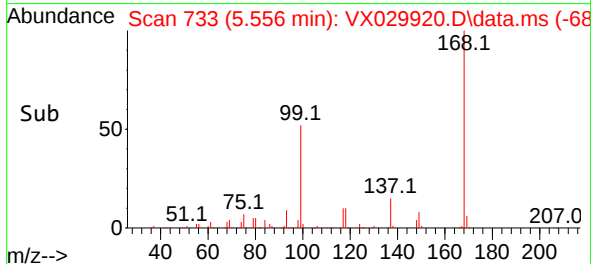
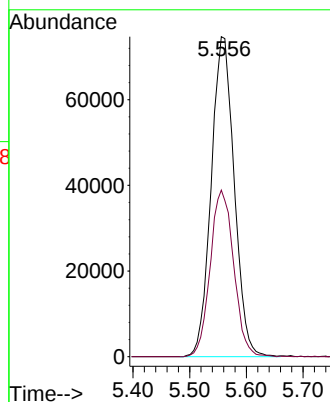
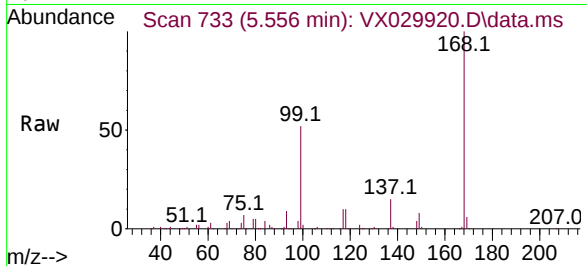




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

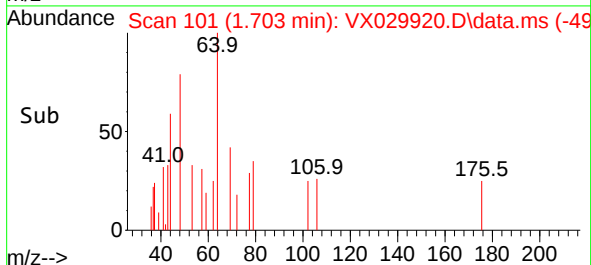
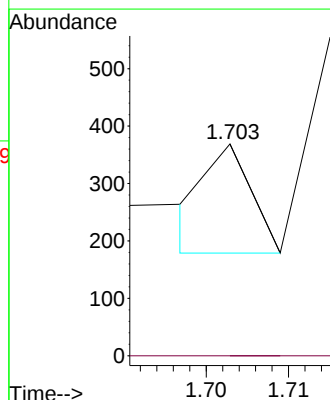
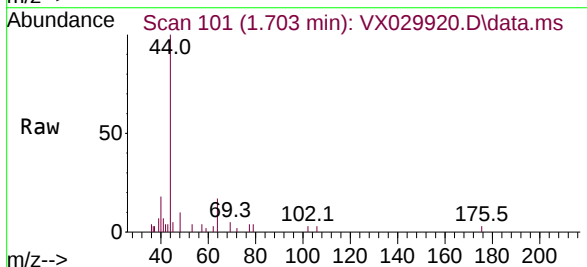
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

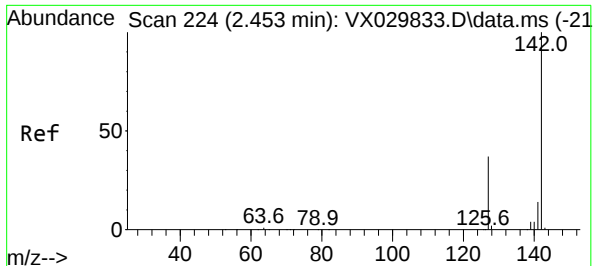
Tgt Ion:168 Resp: 210318
Ion Ratio Lower Upper
168 100
99 52.1 44.0 66.0



#6
Chloroethane
Concen: 1.076 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

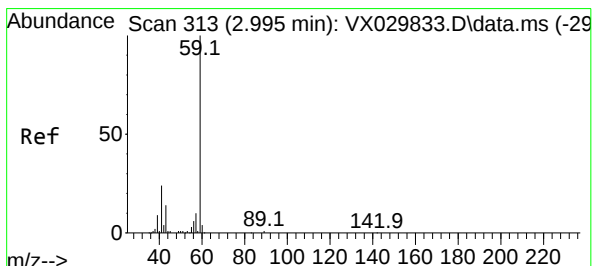
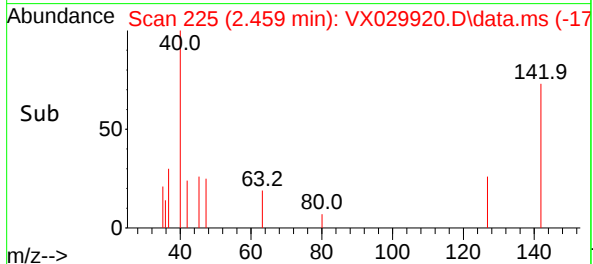
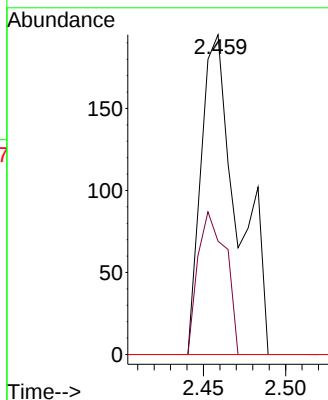
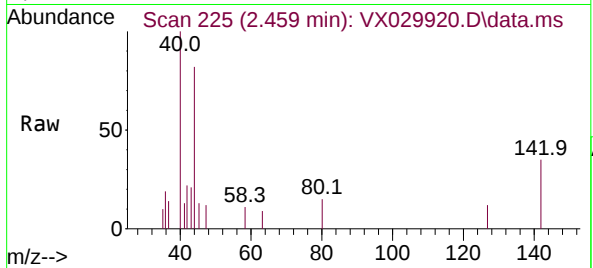




#10
Methyl Iodide
Concen: 1.973 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

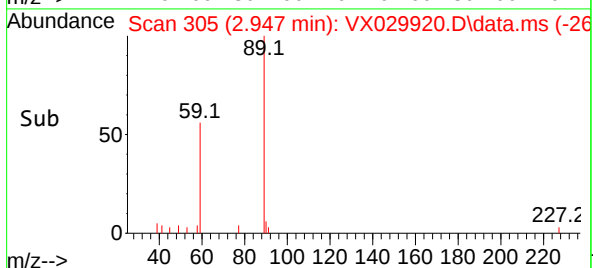
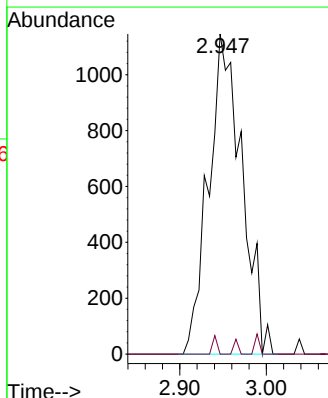
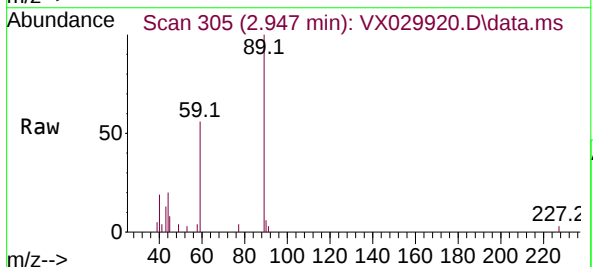
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

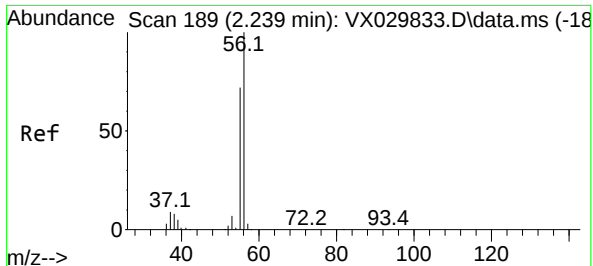
Tgt Ion:142 Resp: 301
Ion Ratio Lower Upper
142 100
127 33.9 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 4.391 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 59 Resp: 3057
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#

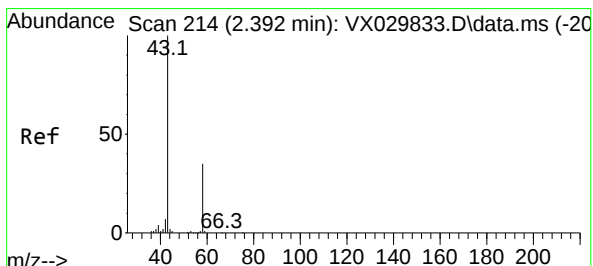
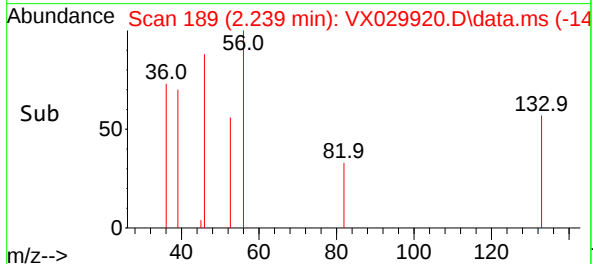
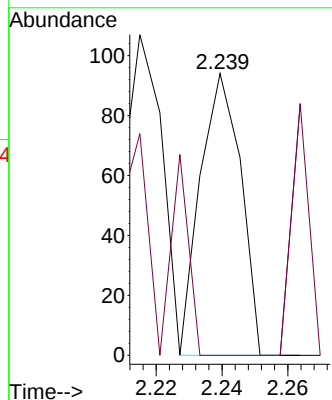
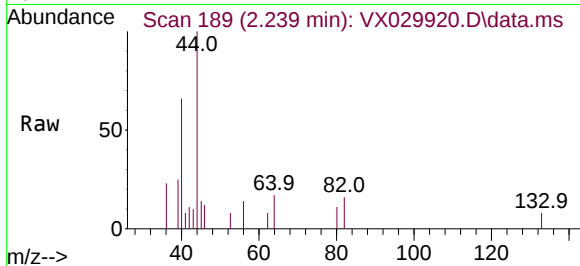




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

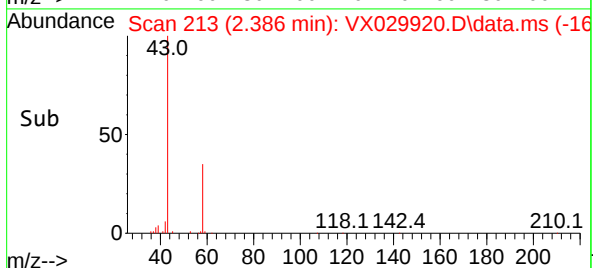
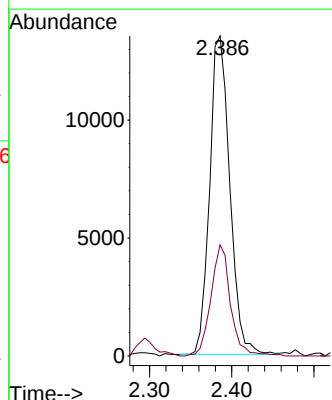
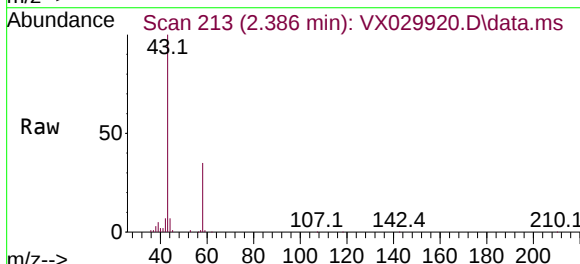
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

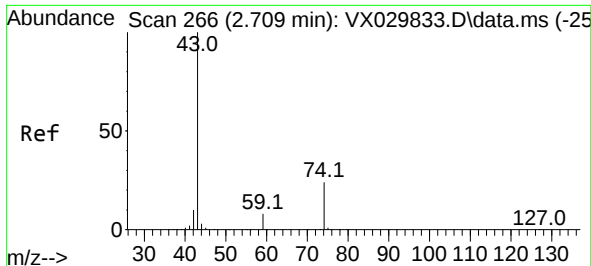
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 17.652 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 43 Resp: 22991
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5

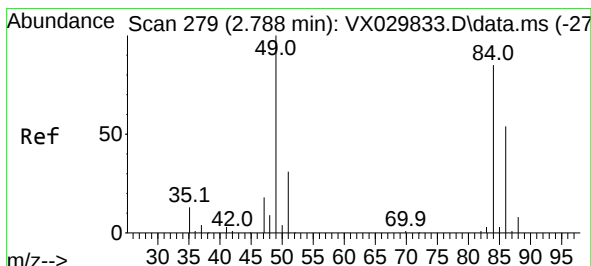
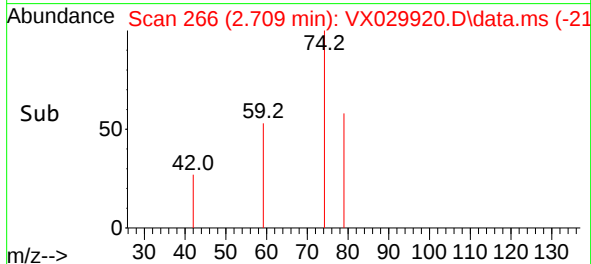
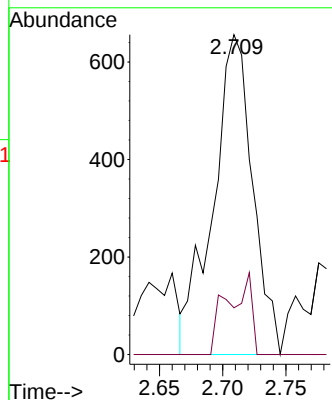
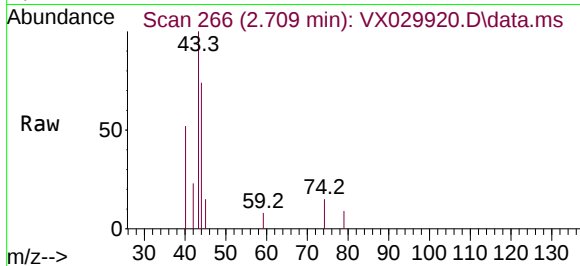




#18
Methyl Acetate
Concen: 0.355 ug/l
RT: 2.709 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

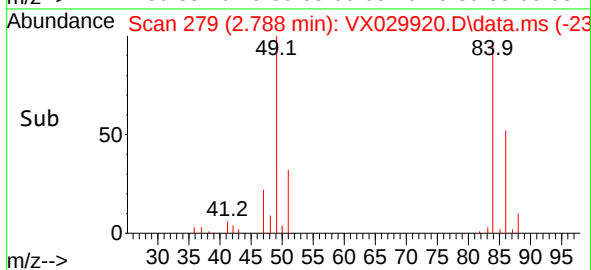
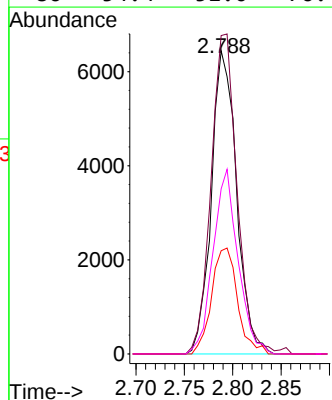
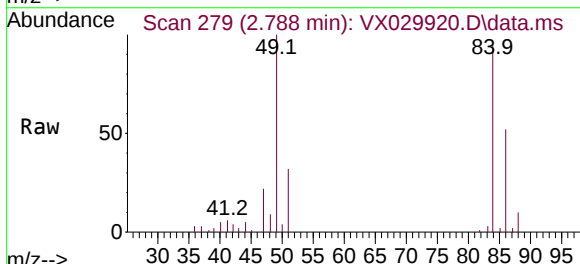
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

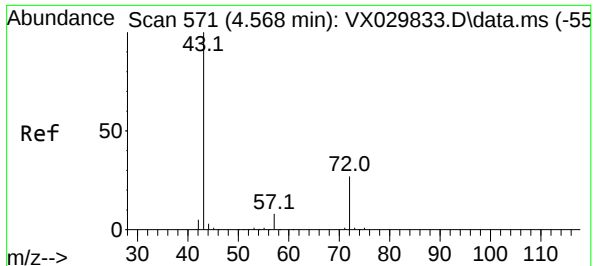
Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 8.5 19.4 29.2#



#20
Methylene Chloride
Concen: 4.248 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 84 Resp: 11685
Ion Ratio Lower Upper
84 100
49 105.0 93.8 140.6
51 34.1 29.4 44.0
86 54.4 51.0 76.4





#25

2-Butanone

Concen: 3.047 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX029920.D

Acq: 05 Jul 2022 15:05

Instrument :

MSVOA_X

ClientSampleId :

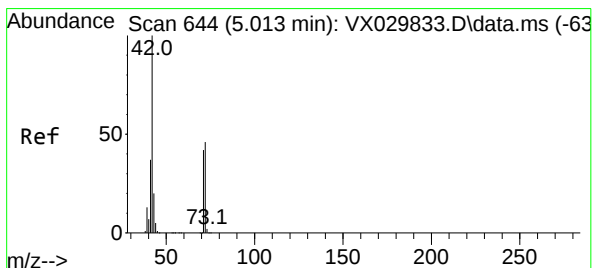
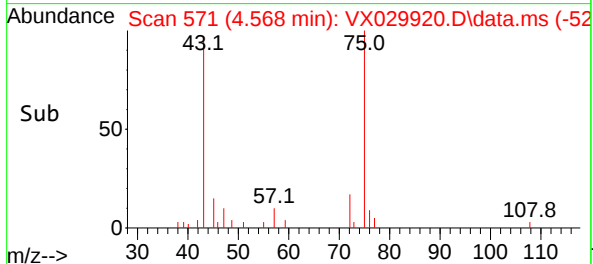
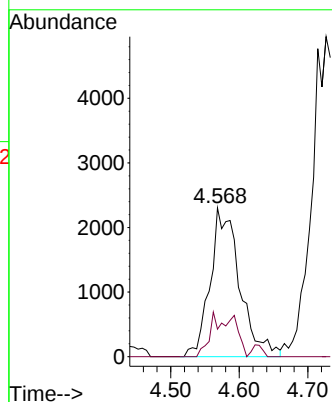
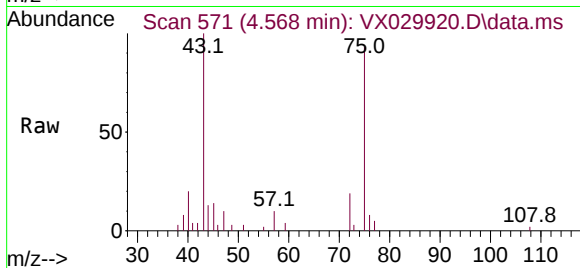
PB145991ZHE#06

Tgt Ion: 43 Resp: 6889

Ion Ratio Lower Upper

43 100

72 18.5 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.816 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX029920.D

Acq: 05 Jul 2022 15:05

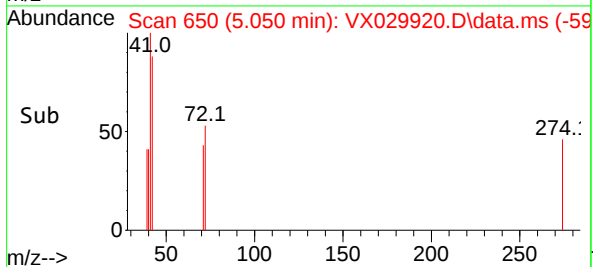
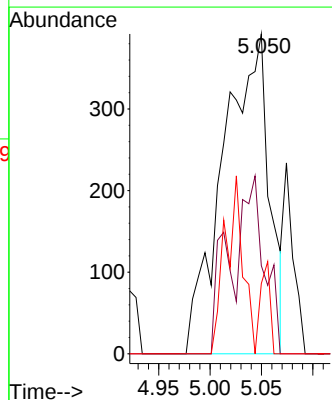
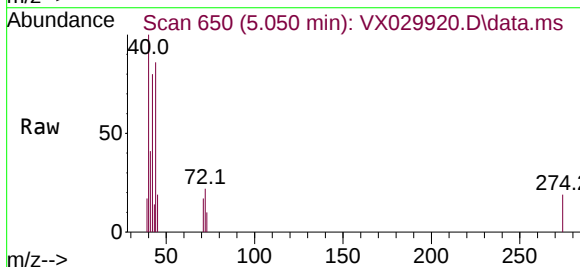
Tgt Ion: 42 Resp: 1214

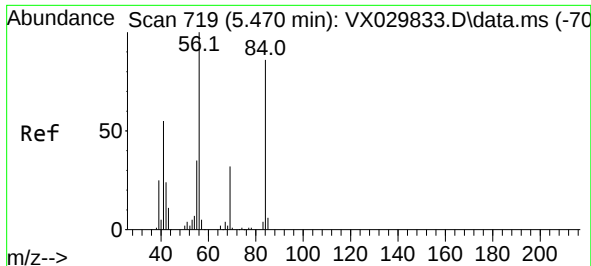
Ion Ratio Lower Upper

42 100

72 26.9 36.5 54.7#

71 6.0 33.9 50.9#

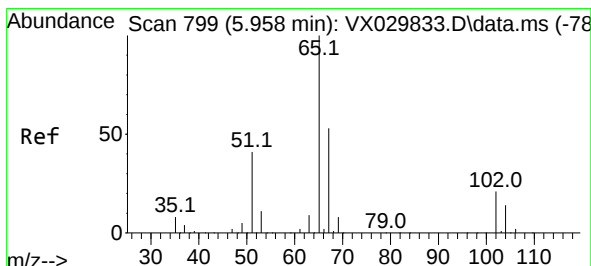
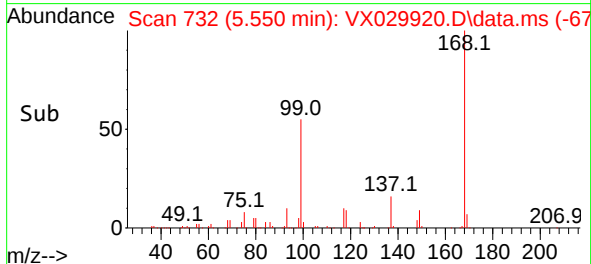
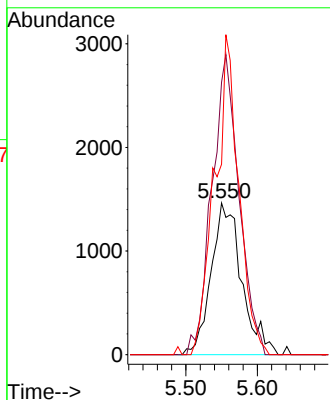
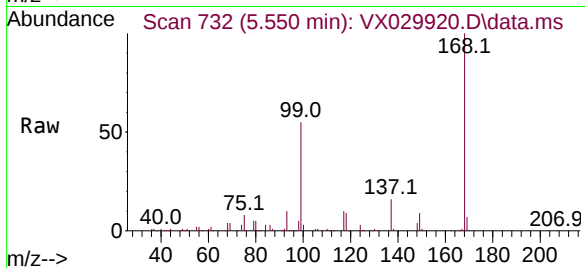




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

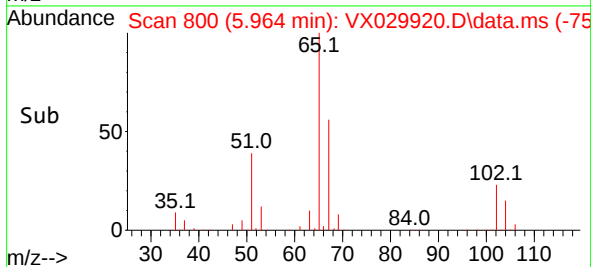
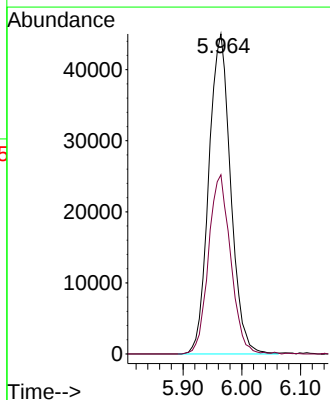
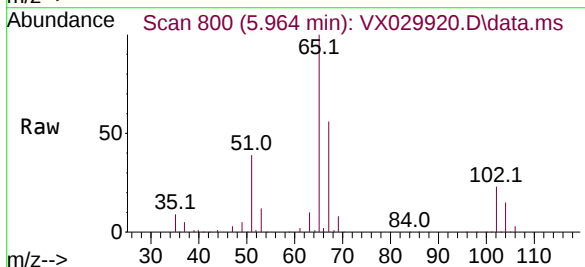
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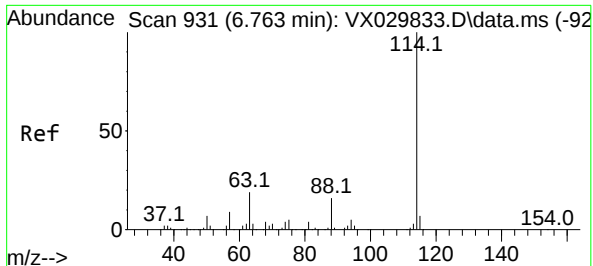
Tgt Ion: 56 Resp: 4322
Ion Ratio Lower Upper
56 100
69 179.6 25.4 38.0#
84 125.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.687 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 65 Resp: 116307
Ion Ratio Lower Upper
65 100
67 56.7 0.0 109.6

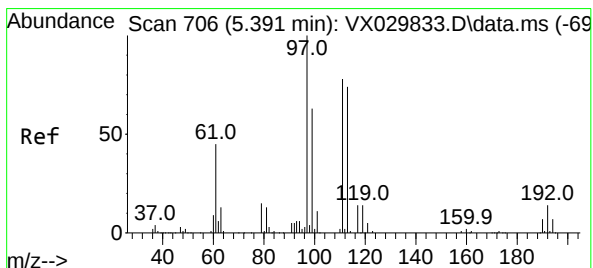
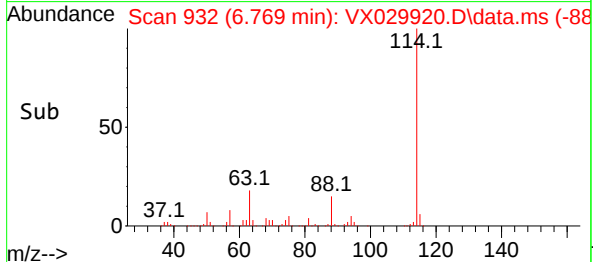
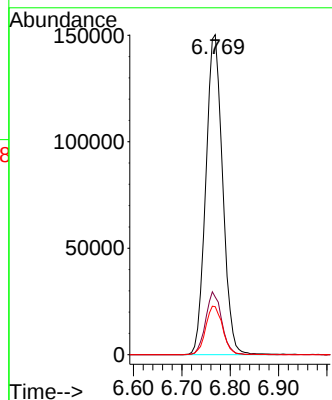
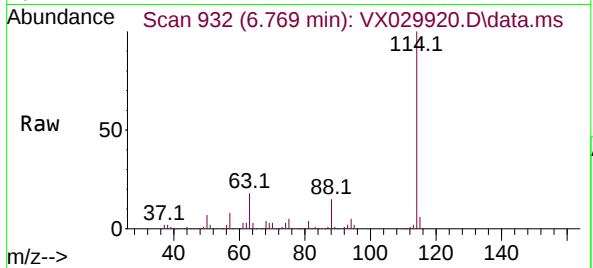




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

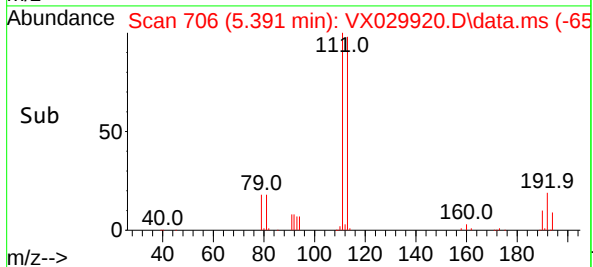
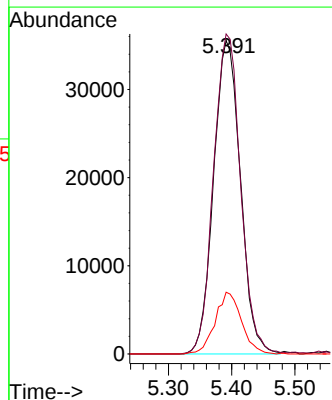
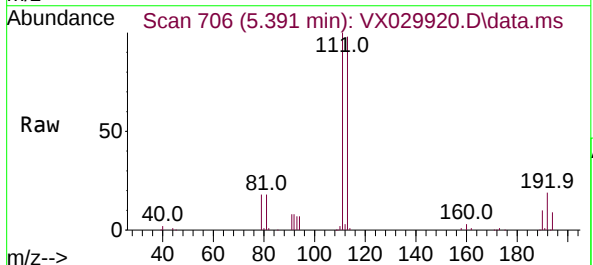
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

Tgt Ion:114 Resp: 362541
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.163 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion:113 Resp: 104591
Ion Ratio Lower Upper
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111 102.6 83.2 124.8
192 19.3 14.8 22.2

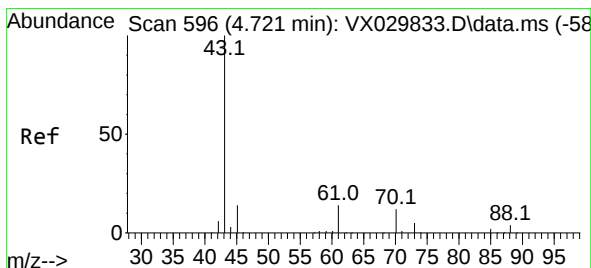
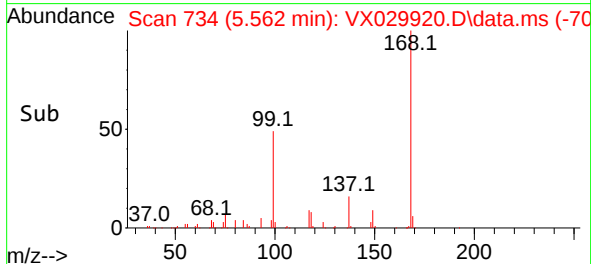
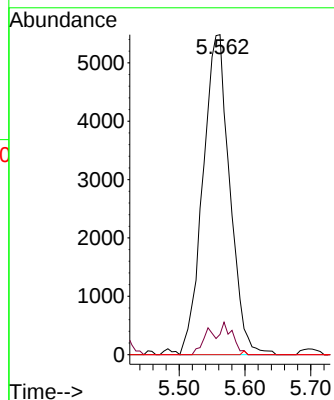
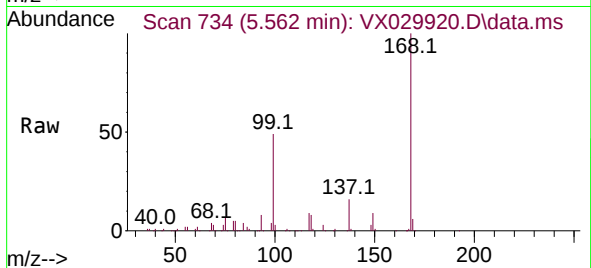




#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

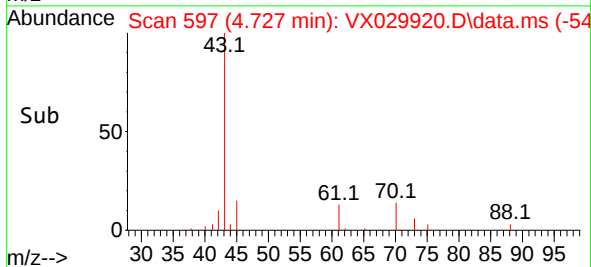
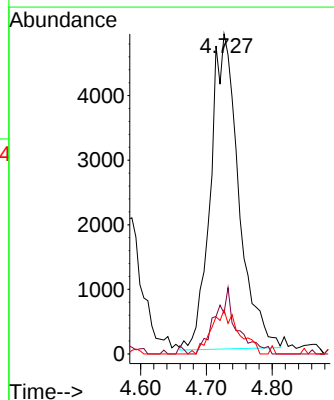
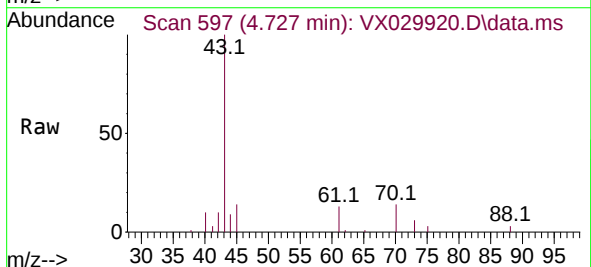
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

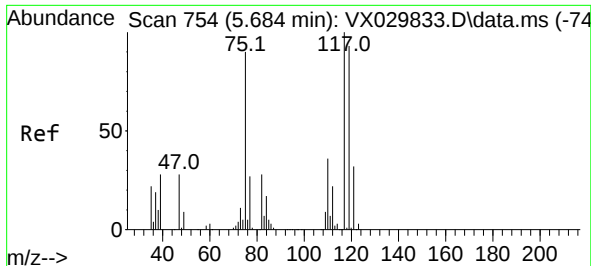
Tgt Ion: 75 Resp: 15566
Ion Ratio Lower Upper
75 100
110 4.8 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.549 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 43 Resp: 14627
Ion Ratio Lower Upper
43 100
61 16.2 11.7 17.5
70 13.5 9.3 13.9

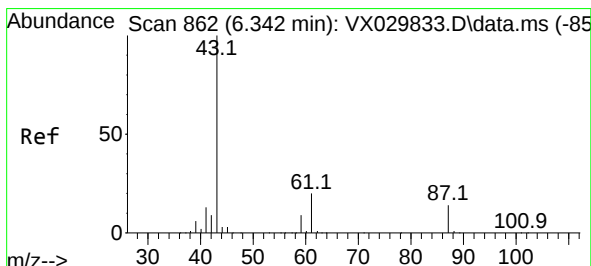
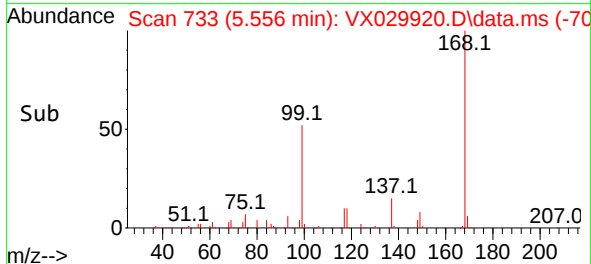
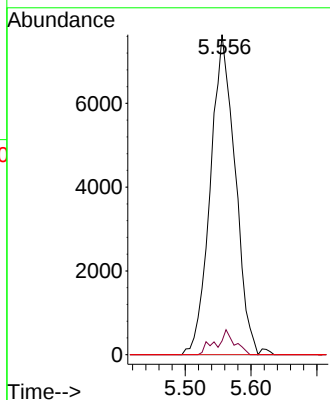
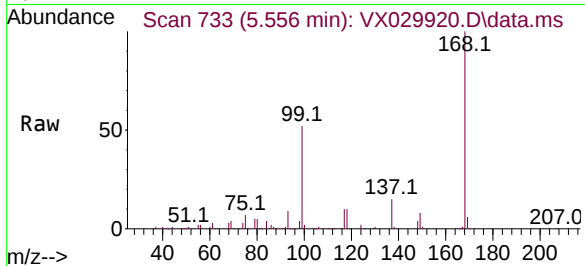




#38
Carbon Tetrachloride
Concen: 7.707 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

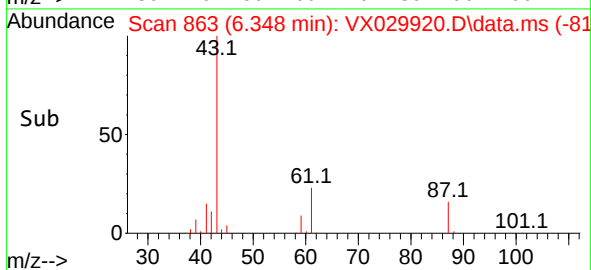
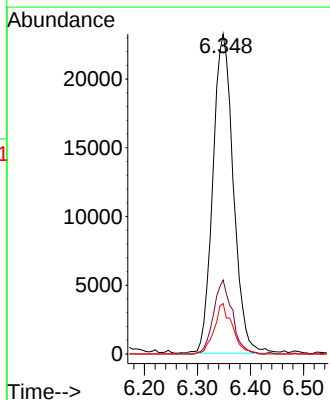
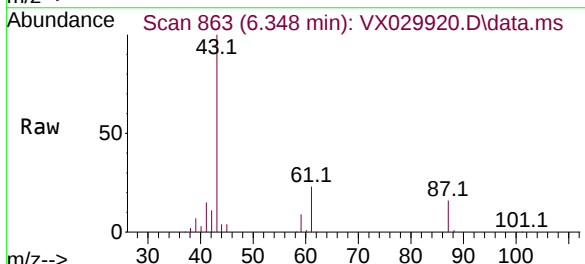
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

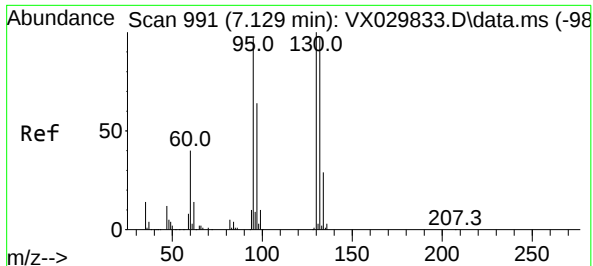
Tgt Ion:117 Resp: 20123
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 10.043 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 43 Resp: 62329
Ion Ratio Lower Upper
43 100
61 21.1 16.5 24.7
87 14.0 11.1 16.7

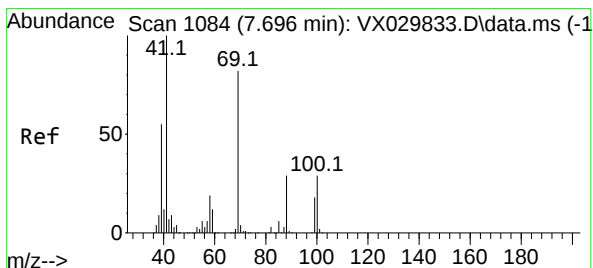
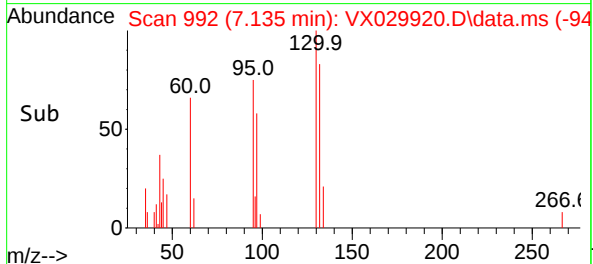
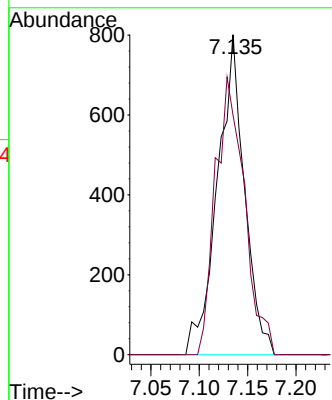
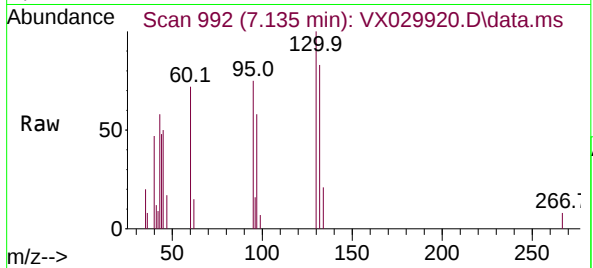




#44
Trichloroethene
Concen: 0.592 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

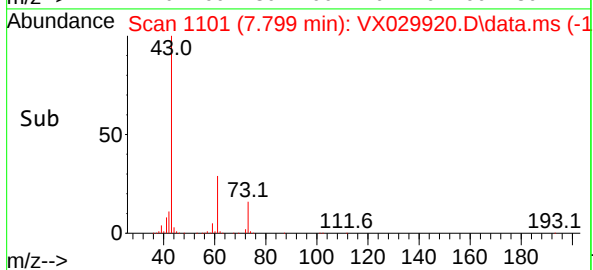
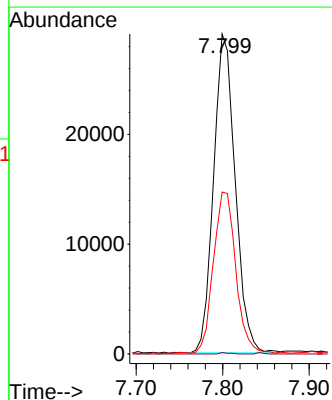
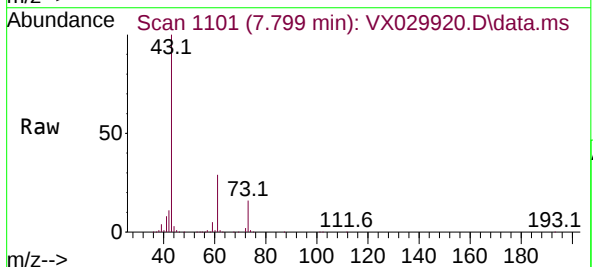
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

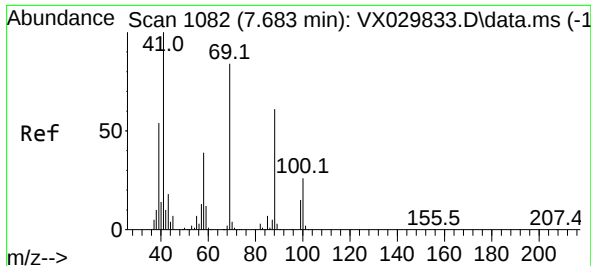
Tgt Ion:130 Resp: 1554
Ion Ratio Lower Upper
130 100
95 74.9 0.0 194.8



#48
Methyl methacrylate
Concen: 17.158 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 41 Resp: 50487
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 52.0 44.6 66.8





#49

1,4-Dioxane

Concen: 0.387 ug/l

RT: 7.659 min Scan# 1082

Delta R.T. -0.024 min

Lab File: VX029920.D

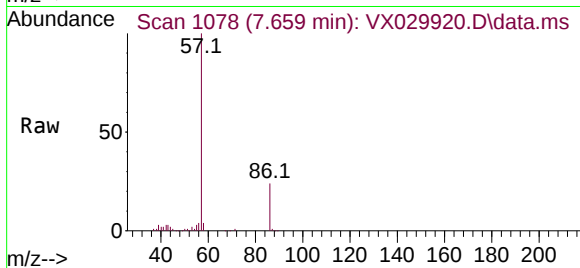
Acq: 05 Jul 2022 15:05

Instrument :

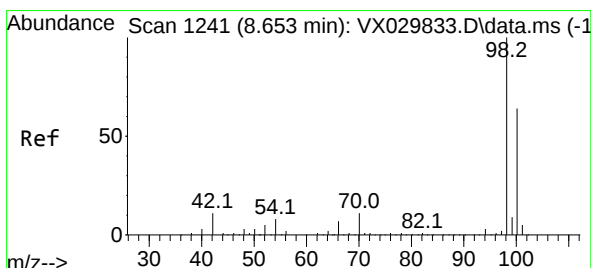
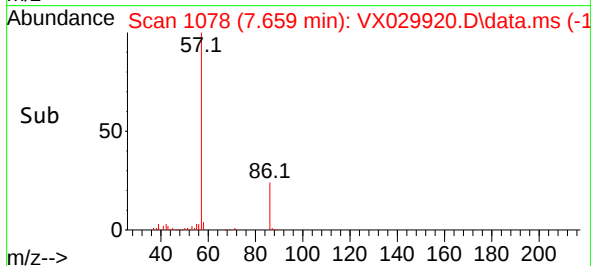
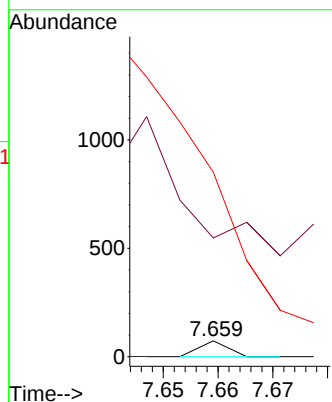
MSVOA_X

ClientSampleId :

PB145991ZHE#06



Tgt Ion:	88	Resp:	27
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 48.601 ug/l

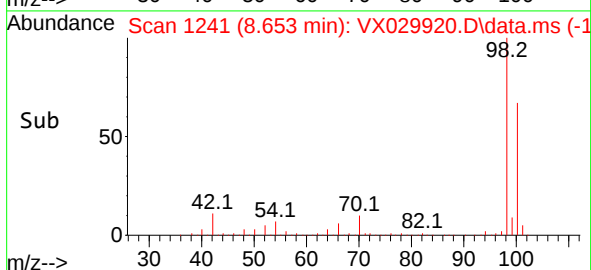
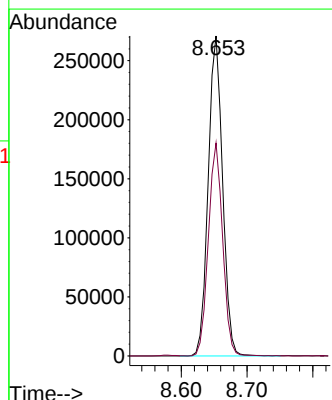
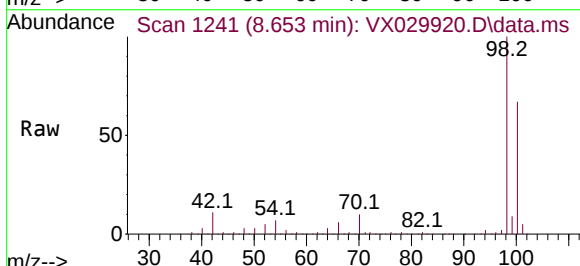
RT: 8.653 min Scan# 1241

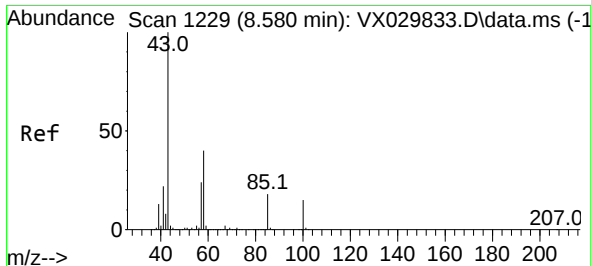
Delta R.T. 0.000 min

Lab File: VX029920.D

Acq: 05 Jul 2022 15:05

Tgt Ion:	98	Resp:	413095
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.3	78.5

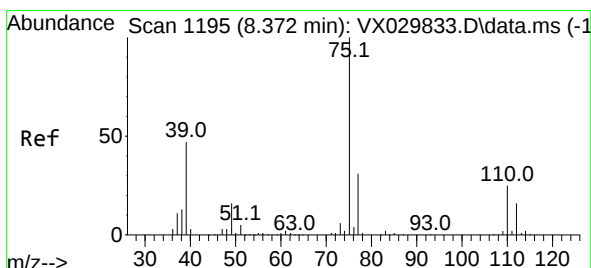
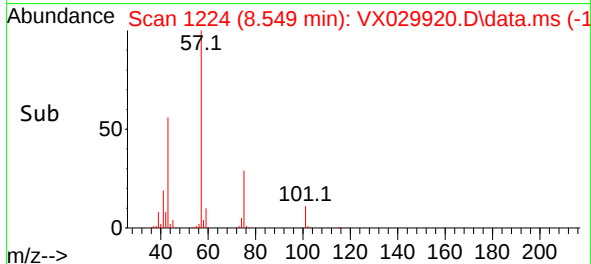
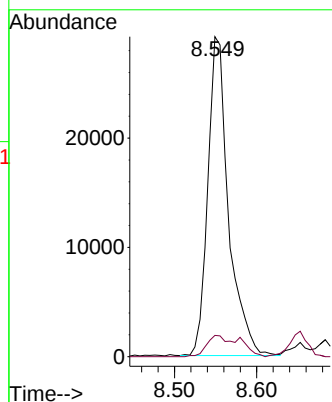
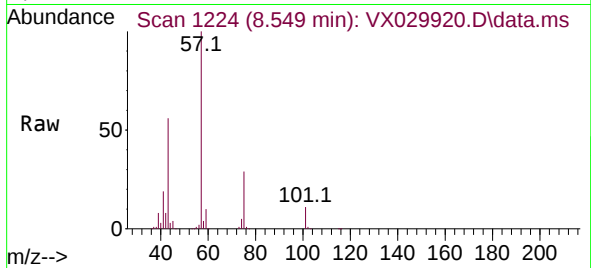




#51
4-Methyl-2-Pentanone
Concen: 12.442 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

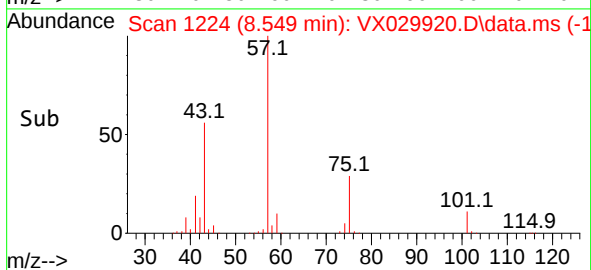
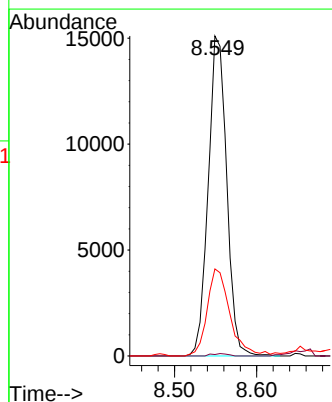
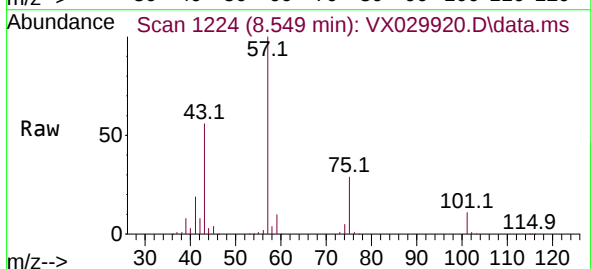
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

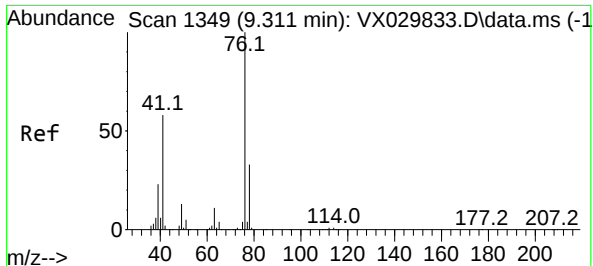
Tgt Ion: 43 Resp: 50916
Ion Ratio Lower Upper
43 100
58 7.8 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 6.481 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 75 Resp: 23556
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 27.2 37.5 56.3#

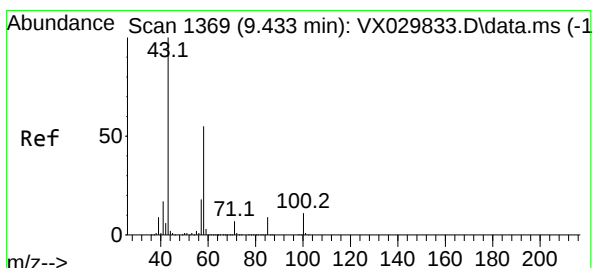
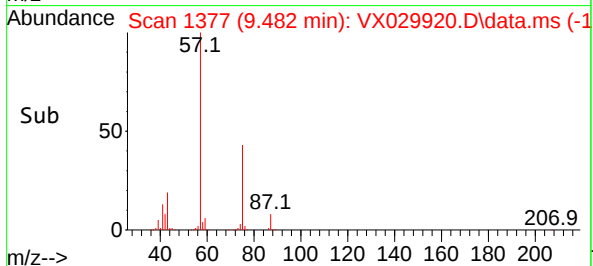
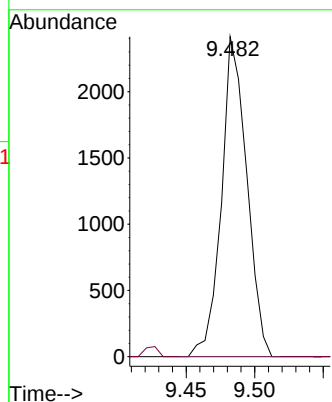
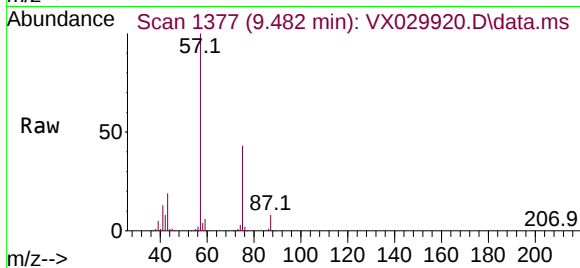




#57
1,3-Dichloropropane
Concen: 0.754 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

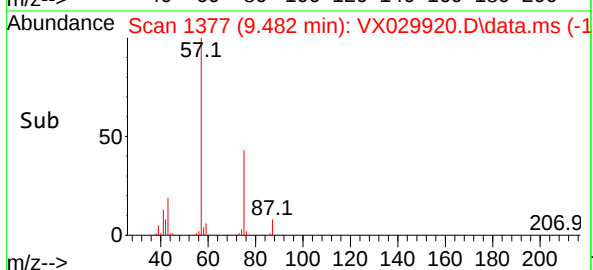
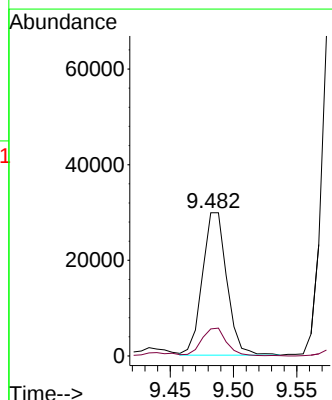
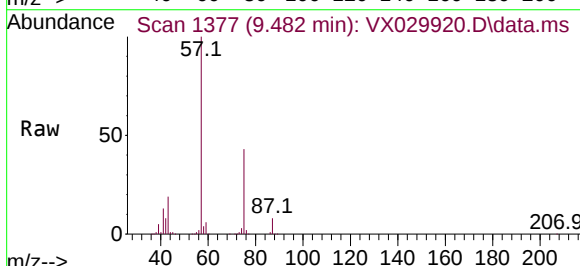
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

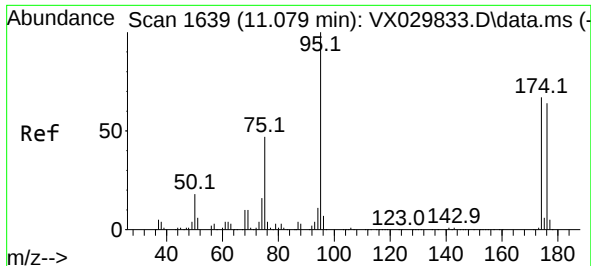
Tgt Ion: 76 Resp: 3109
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 12.640 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 43 Resp: 40144
Ion Ratio Lower Upper
43 100
58 20.2 27.6 82.8#

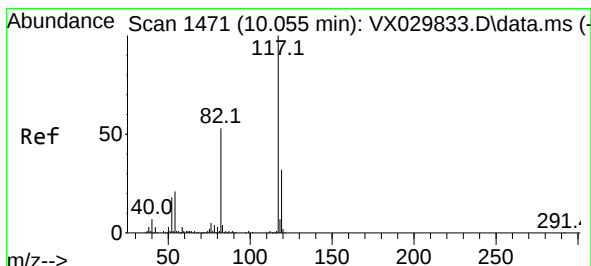
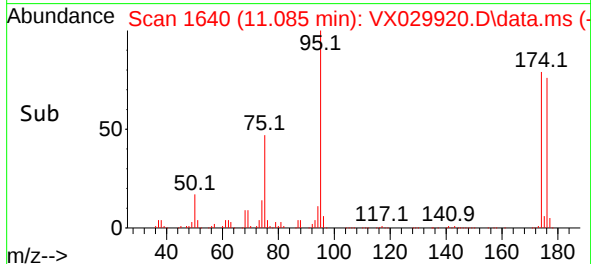
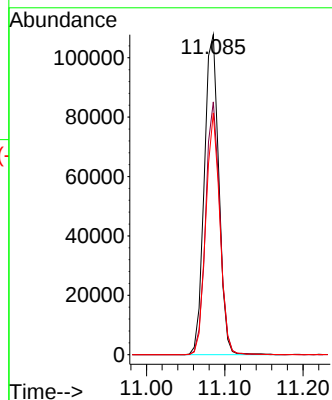
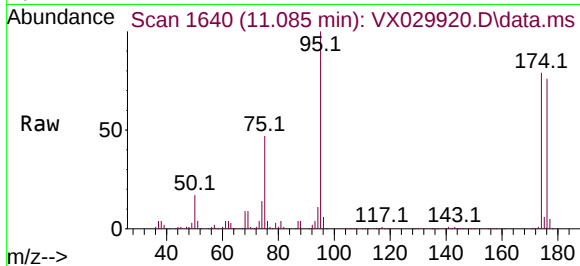




#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

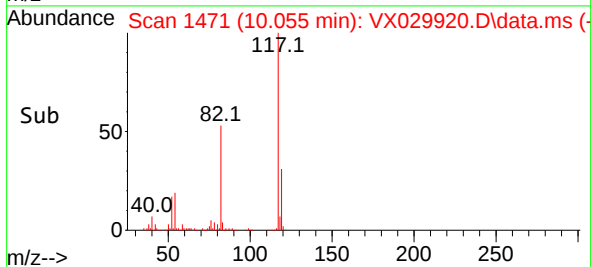
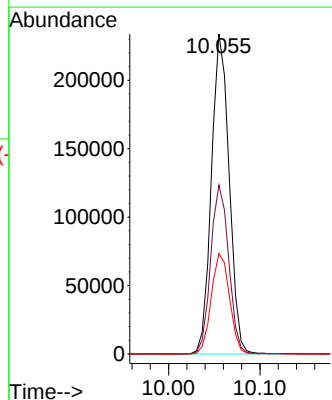
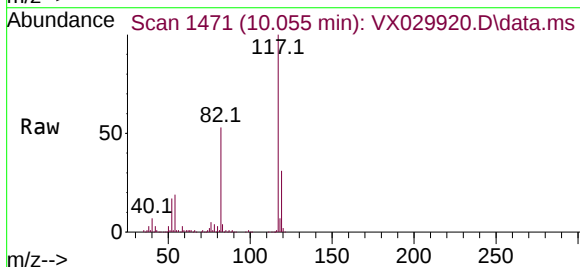
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

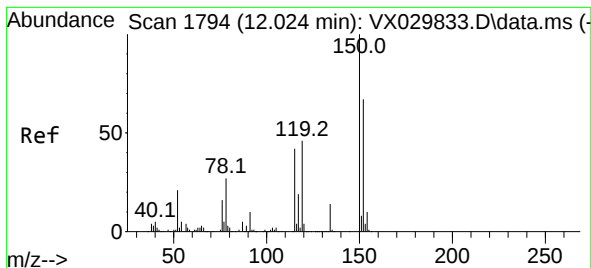
Tgt Ion: 95 Resp: 138812
Ion Ratio Lower Upper
95 100
174 76.8 0.0 149.0
176 73.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 117 Resp: 314739
Ion Ratio Lower Upper
117 100
82 52.8 42.7 64.1
119 31.4 25.4 38.2

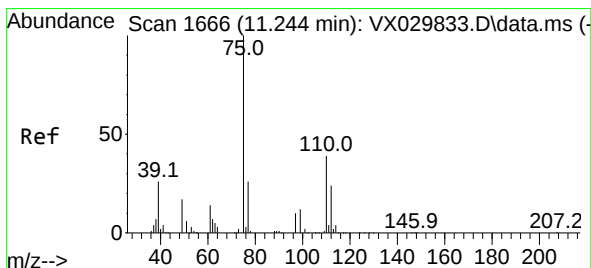
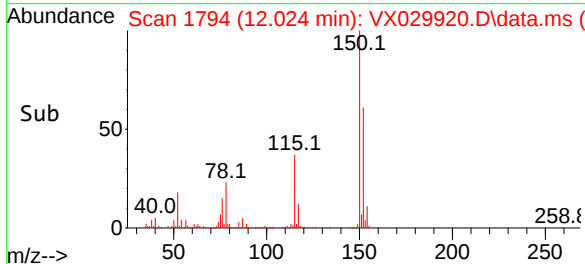
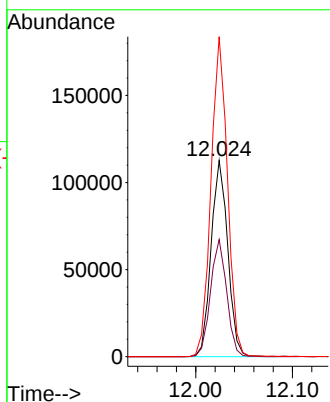
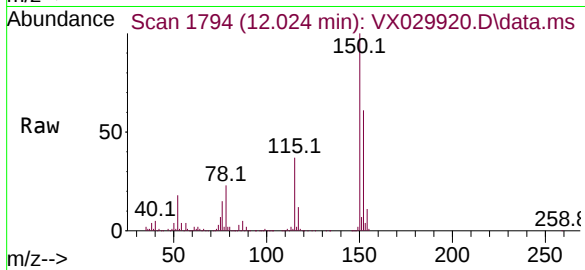




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029920.D
 Acq: 05 Jul 2022 15:05

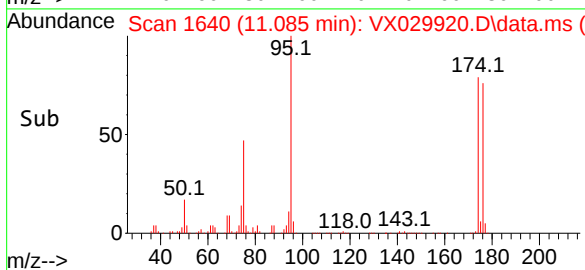
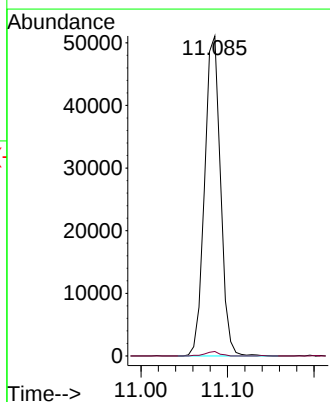
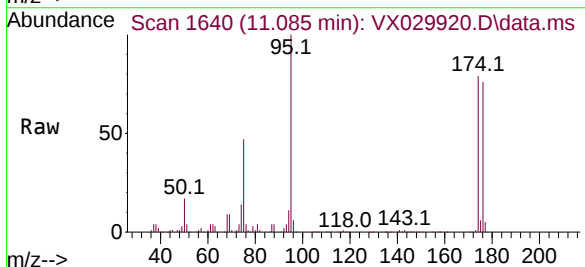
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#06

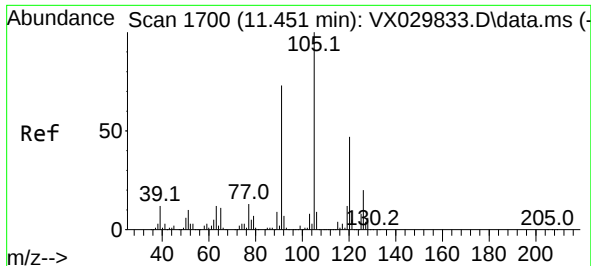
Tgt Ion:152 Resp: 134769
 Ion Ratio Lower Upper
 152 100
 115 58.1 40.5 121.5
 150 161.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.193 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX029920.D
 Acq: 05 Jul 2022 15:05

Tgt Ion: 75 Resp: 65145
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#

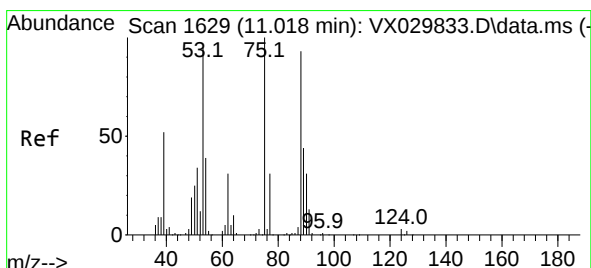
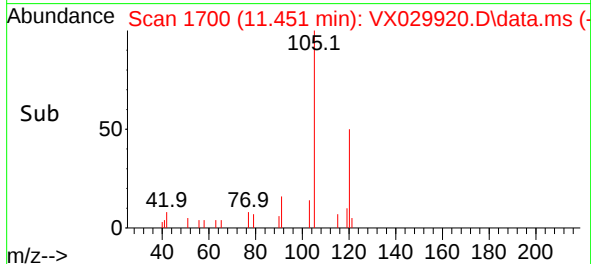
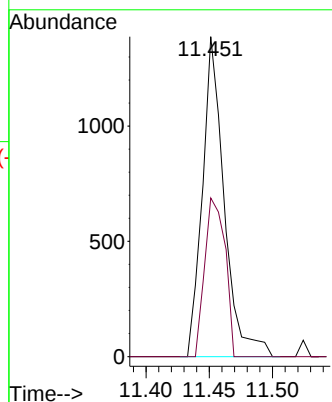
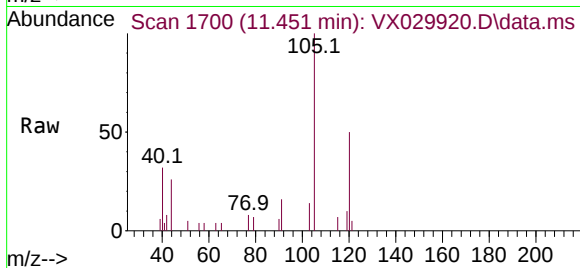




#80
1,3,5-Trimethylbenzene
Concen: 0.206 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#06

Tgt Ion:105 Resp: 1666
Ion Ratio Lower Upper
105 100
120 46.2 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 64.127 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029920.D
Acq: 05 Jul 2022 15:05

Tgt Ion: 75 Resp: 65145
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

