

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028377.D
 Acq On : 27 Apr 2022 14:46
 Operator : JC/MD
 Sample : PB144400ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#02

Quant Time: Apr 28 04:22:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

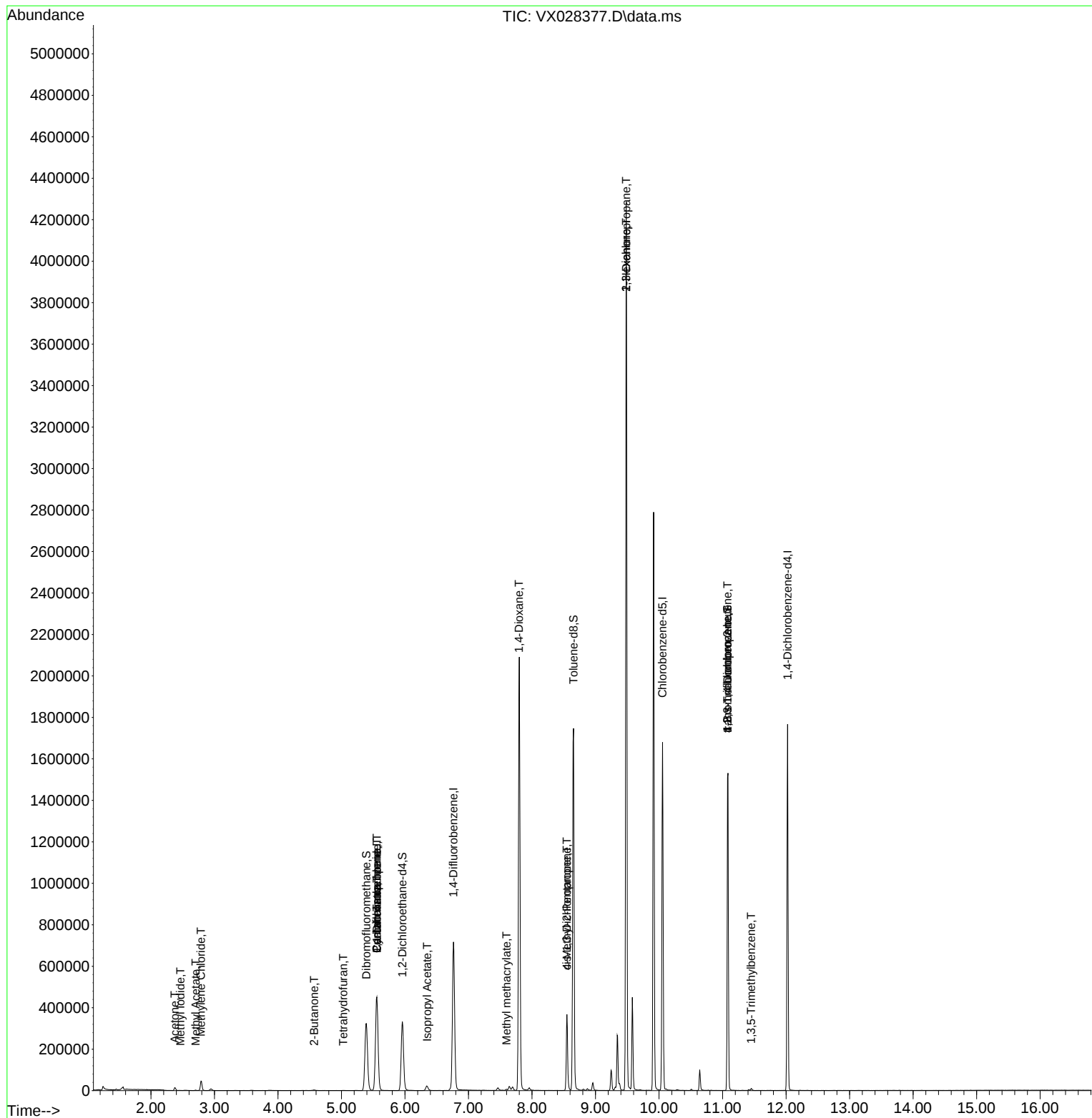
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	447528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	772669	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	778947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	365911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	317587	54.426	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.860%	
35) Dibromofluoromethane	5.391	113	286534	52.879	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.760%	
50) Toluene-d8	8.653	98	1079466	51.867	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	11.079	95	404108	50.782	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	341	Below Cal	#	85
5) Bromomethane	1.611	94	1244	Below Cal	#	69
6) Chloroethane	1.654	64	405	Below Cal	#	43
10) Methyl Iodide	2.465	142	758	5.371	ug/l #	89
11) Tert butyl alcohol	2.941	59	4149	Below Cal	#	72
16) Acetone	2.374	43	14483	6.768	ug/l	97
18) Methyl Acetate	2.703	43	2283	0.440	ug/l #	82
20) Methylene Chloride	2.788	84	22470	5.190	ug/l	94
25) 2-Butanone	4.568	43	2509	0.726	ug/l	98
29) Tetrahydrofuran	5.026	42	546	0.242	ug/l #	56
31) Cyclohexane	5.556	56	8856	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	32264	4.565	ug/l #	50
38) Carbon Tetrachloride	5.556	117	44755	5.609	ug/l #	15
43) Isopropyl Acetate	6.348	43	29571	2.533	ug/l	97
48) Methyl methacrylate	7.598	41	8054	1.503	ug/l #	7
49) 1,4-Dioxane	7.793	88	377	2.630	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	116335	15.531	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	62006	7.116	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	40320	4.277	ug/l #	43
59) 2-Hexanone	9.482	43	447781	77.175	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	197355	27.405	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4758	0.223	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	197355	81.441	ug/l #	15

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

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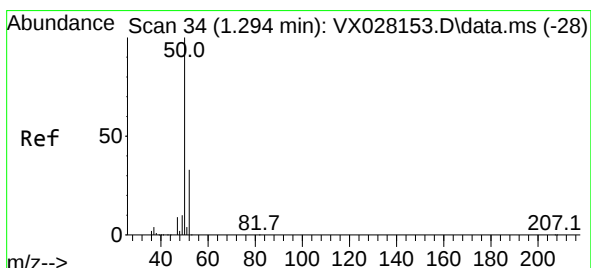
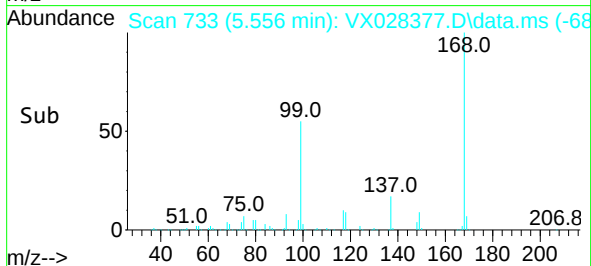
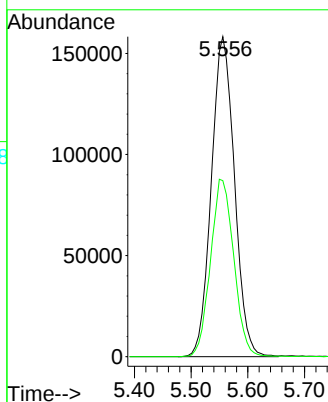
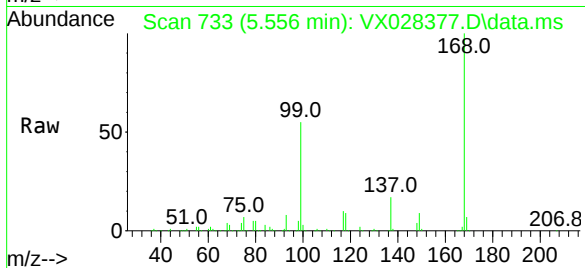




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

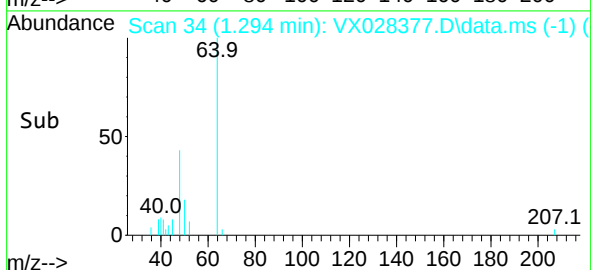
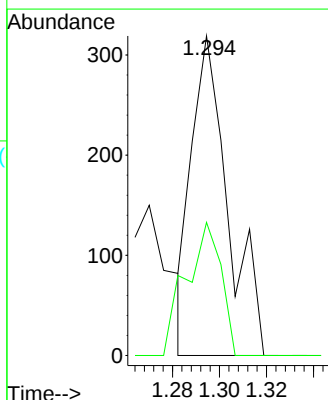
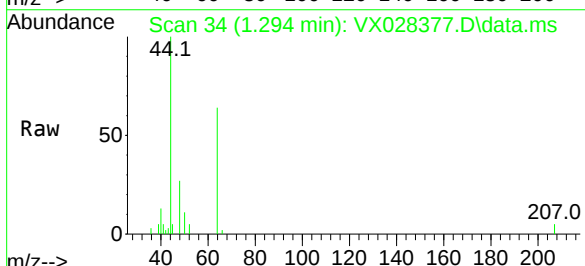
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

Tgt Ion:168 Resp: 447528
Ion Ratio Lower Upper
168 100
99 55.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 41.7 26.4 39.6#

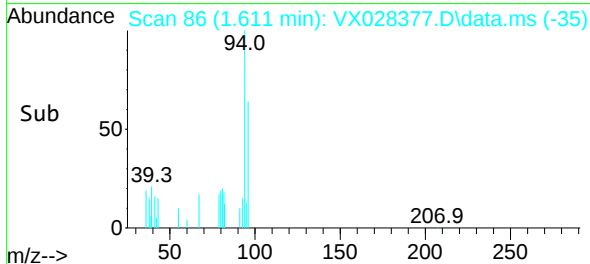
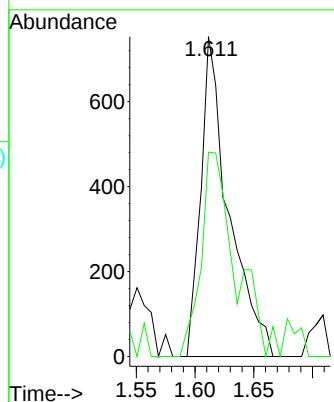
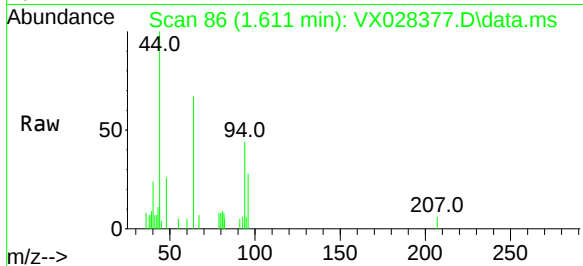




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

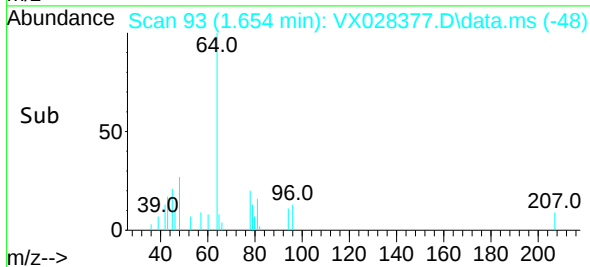
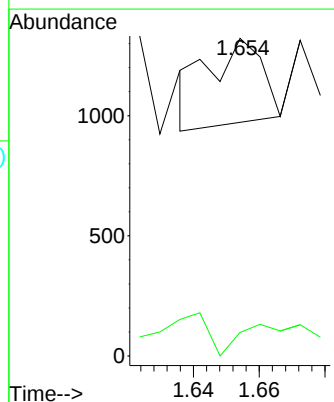
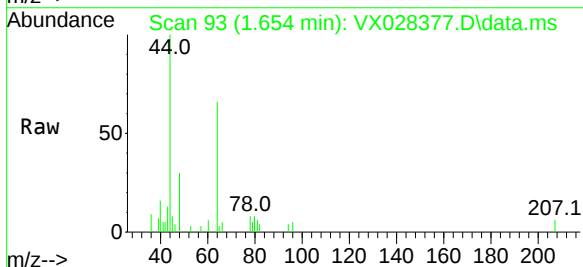
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

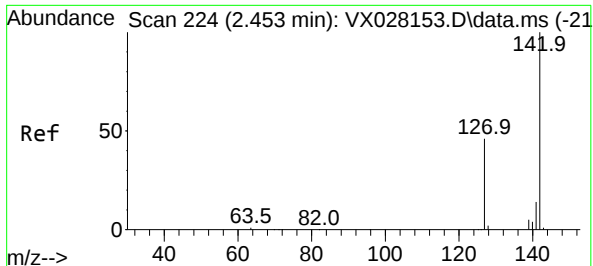
Tgt Ion: 94 Resp: 1244
Ion Ratio Lower Upper
94 100
96 63.9 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

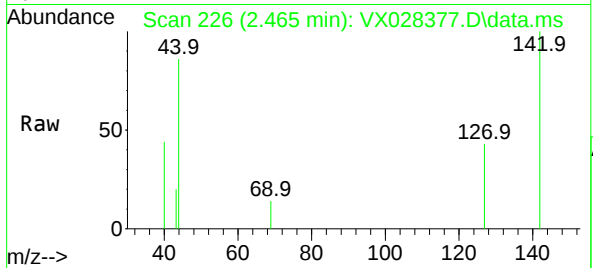
Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



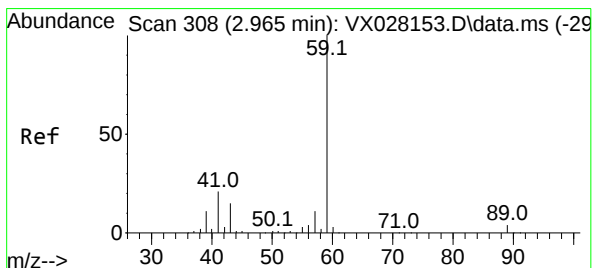
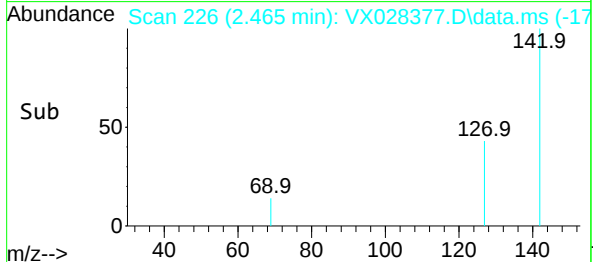
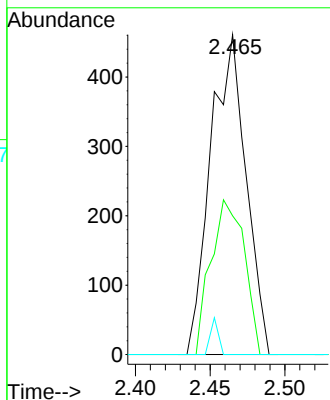


#10
Methyl Iodide
Concen: 5.371 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

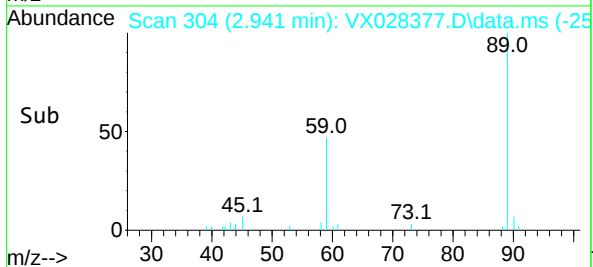
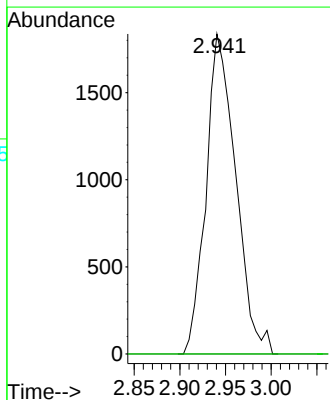
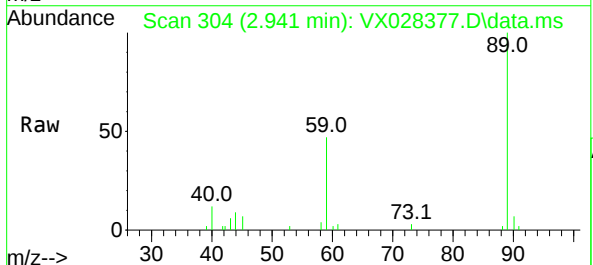


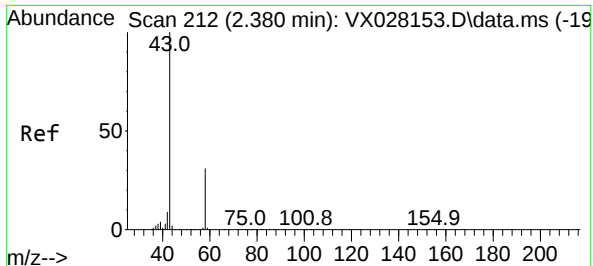
Tgt Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
127 45.8 33.9 50.9
141 2.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 59 Resp: 4149
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

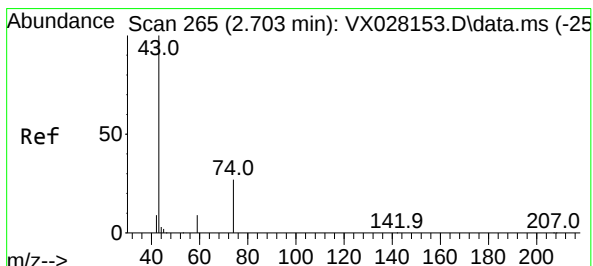
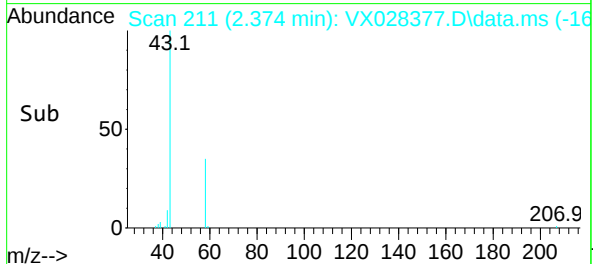
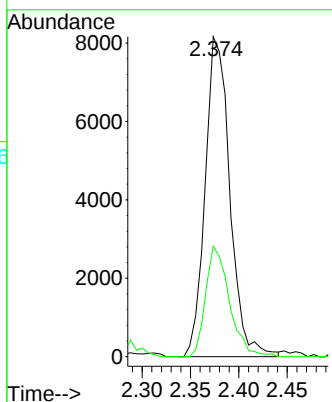
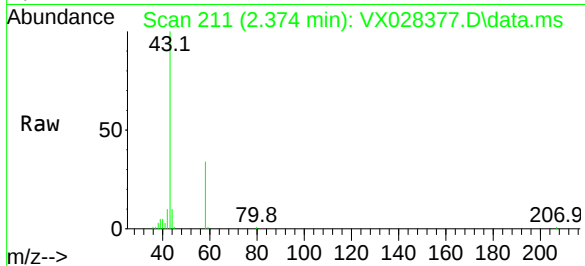




#16
Acetone
Concen: 6.768 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

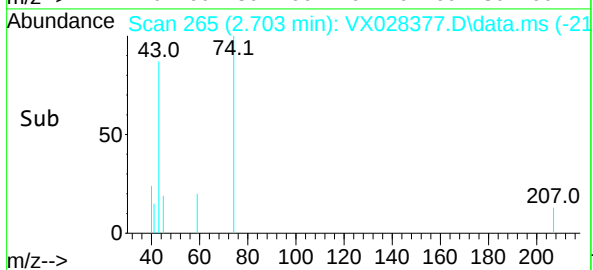
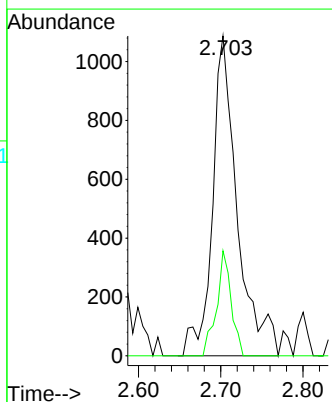
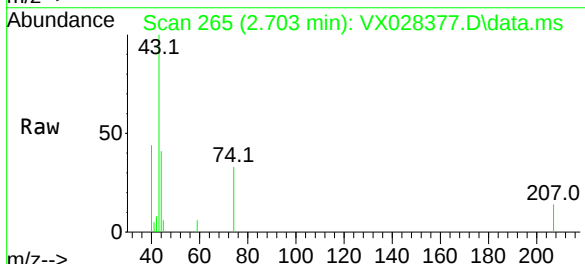
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

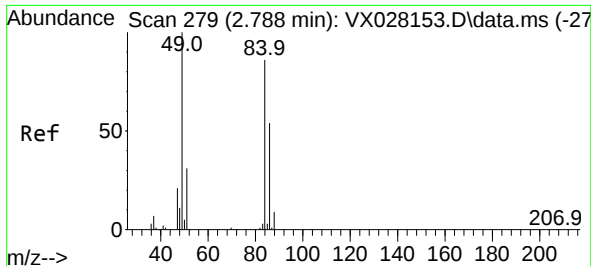
Tgt Ion: 43 Resp: 14483
Ion Ratio Lower Upper
43 100
58 34.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.440 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
74 19.2 22.8 34.2#





#20

Methylene Chloride

Concen: 5.190 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028377.D

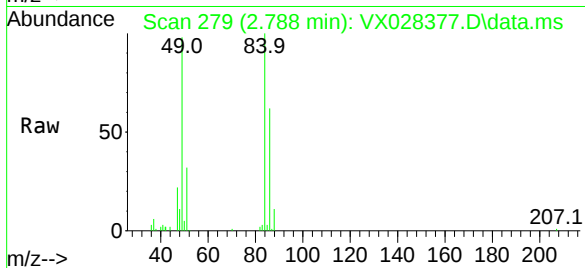
Acq: 27 Apr 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

PB144400ZHE#02



Tgt Ion: 84 Resp: 22470

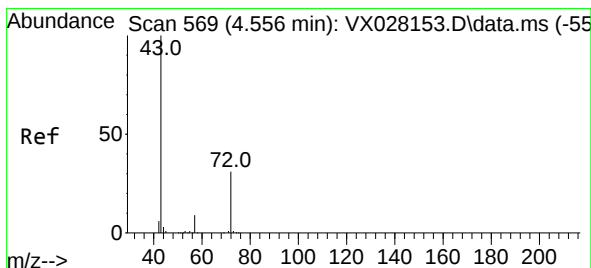
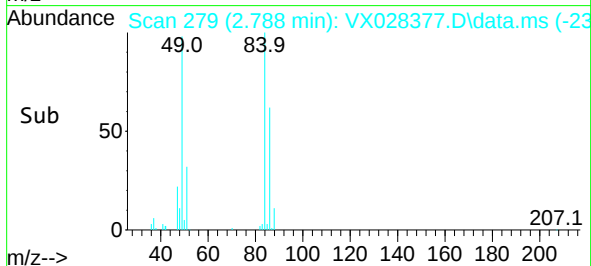
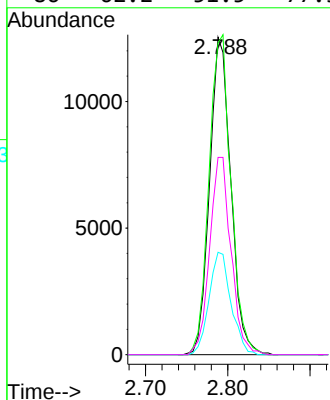
Ion Ratio Lower Upper

84 100

49 98.2 85.5 128.3

51 32.2 26.6 39.8

86 62.2 51.5 77.3



#25

2-Butanone

Concen: 0.726 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028377.D

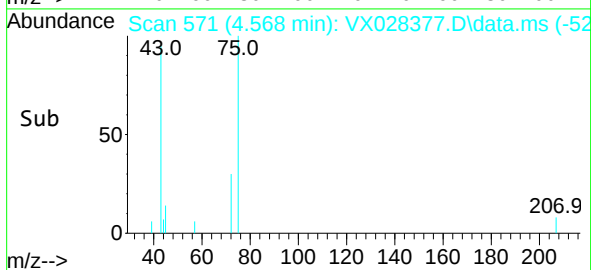
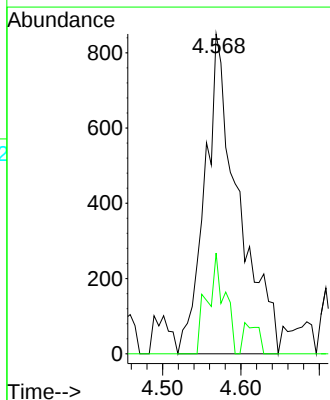
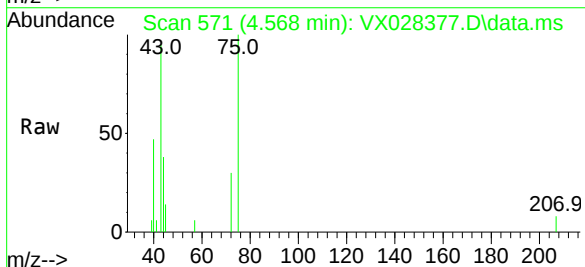
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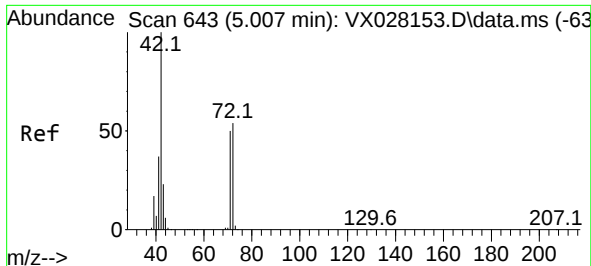
Tgt Ion: 43 Resp: 2509

Ion Ratio Lower Upper

43 100

72 31.5 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.242 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX028377.D

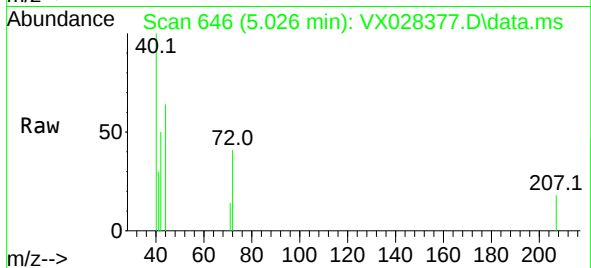
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Instrument :

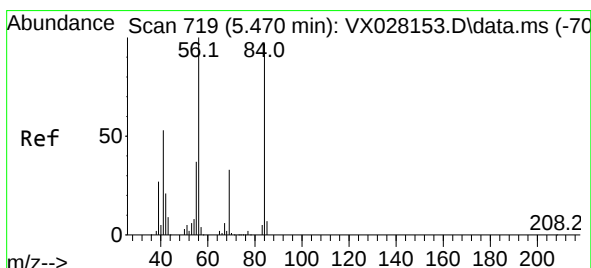
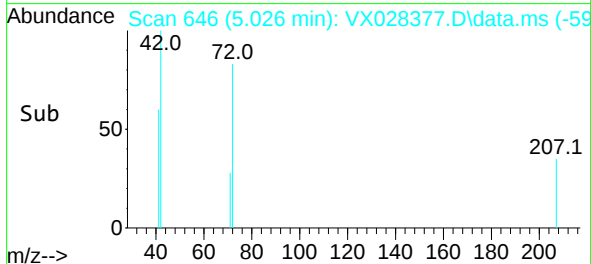
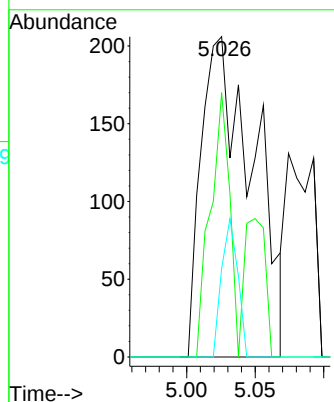
MSVOA_X

ClientSampleId :

PB144400ZHE#02



Tgt Ion:	42	Resp:	546
Ion	Ratio	Lower	Upper
42	100		
72	30.6	44.1	66.1#
71	13.2	40.5	60.7#



#31

Cyclohexane

Concen: 1.246 ug/l

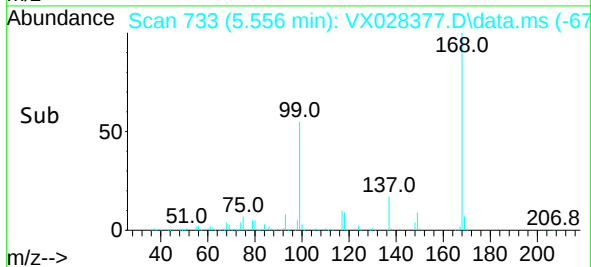
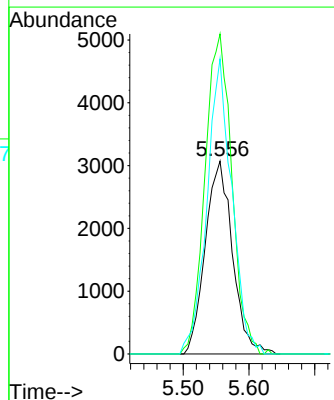
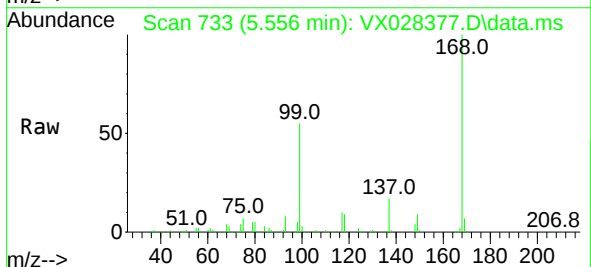
RT: 5.556 min Scan# 733

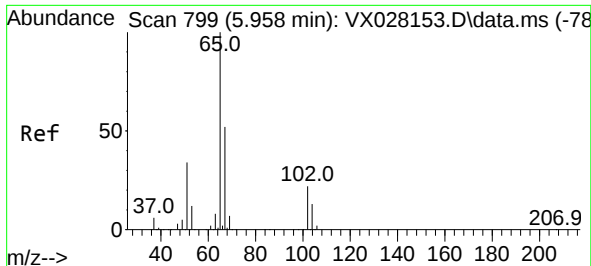
Delta R.T. 0.086 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

Tgt Ion:	56	Resp:	8856
Ion	Ratio	Lower	Upper
56	100		
69	166.0	26.7	40.1#
84	153.2	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.426 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

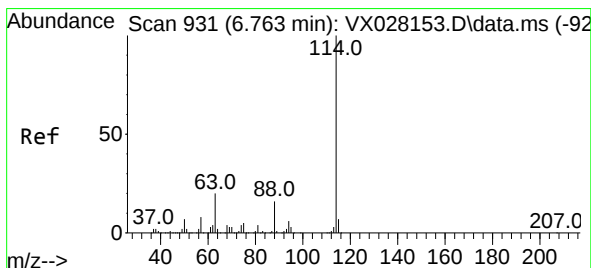
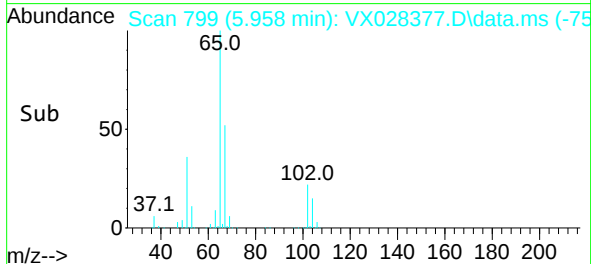
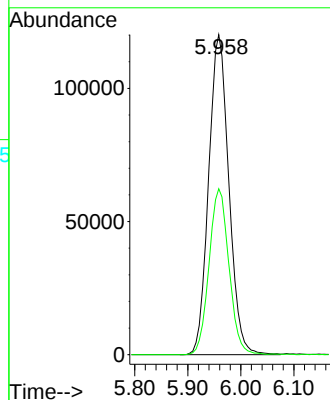
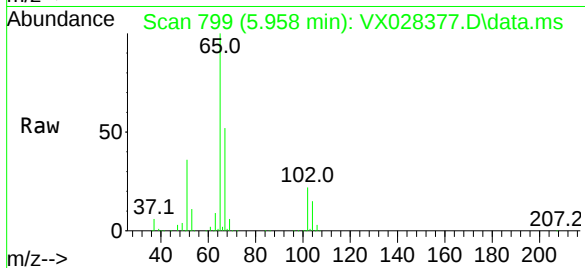
PB144400ZHE#02

Tgt Ion: 65 Resp: 317587

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

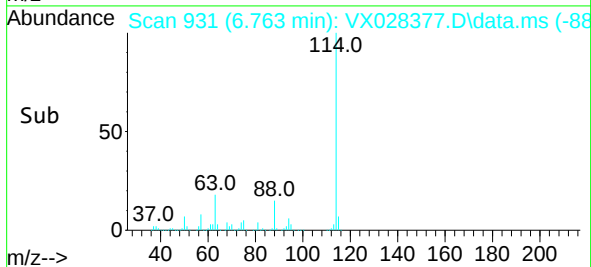
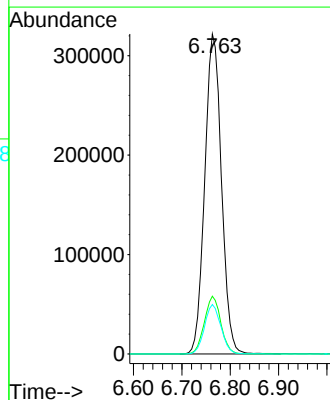
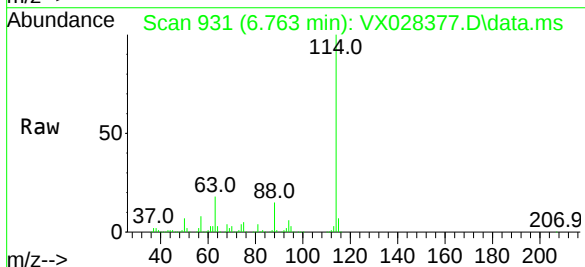
Tgt Ion: 114 Resp: 772669

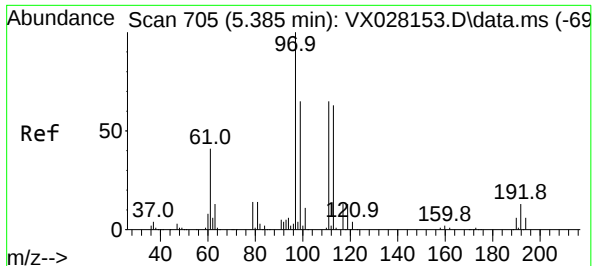
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.879 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028377.D

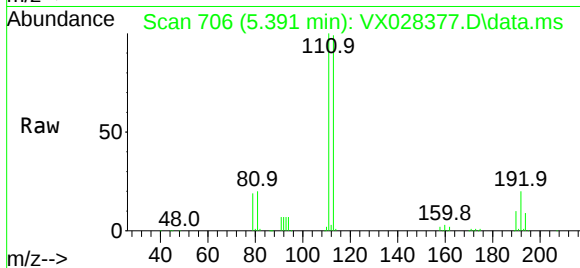
Acq: 27 Apr 2022 14:46

Instrument :

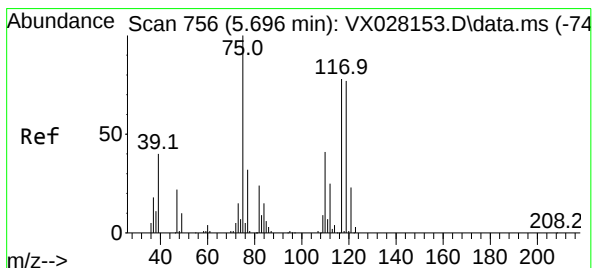
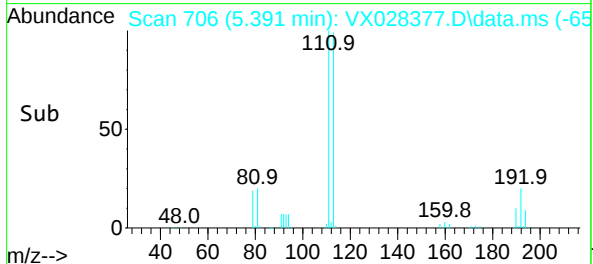
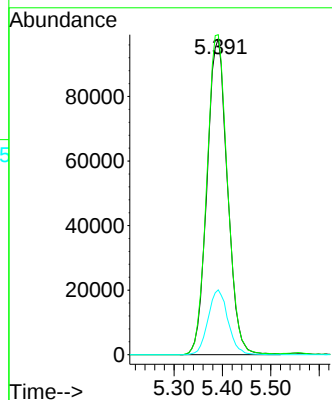
MSVOA_X

ClientSampleId :

PB144400ZHE#02



Tgt Ion:	113	Resp:	286534
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	20.0	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.565 ug/l

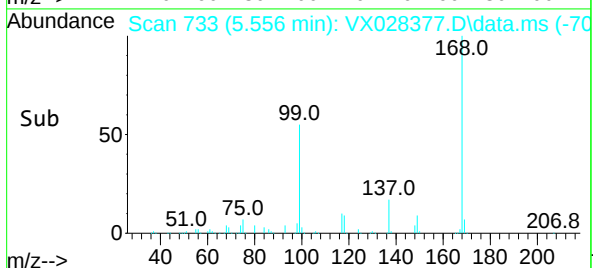
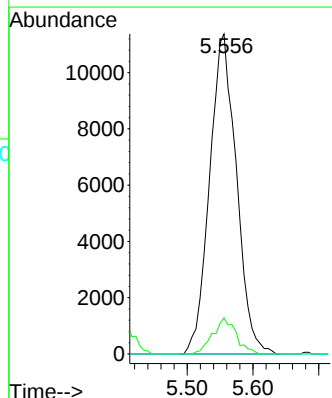
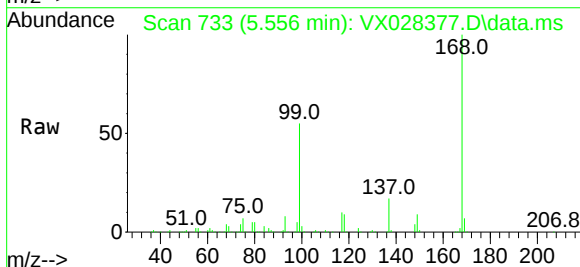
RT: 5.556 min Scan# 733

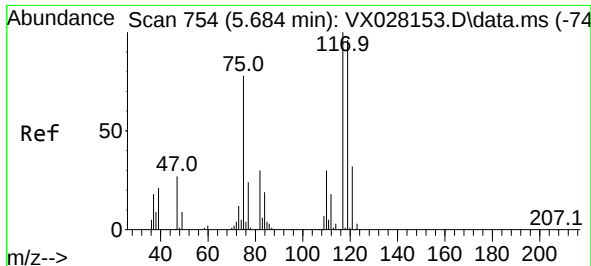
Delta R.T. -0.140 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

Tgt Ion:	75	Resp:	32264
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.3	54.8#
77	0.0	24.8	37.2#

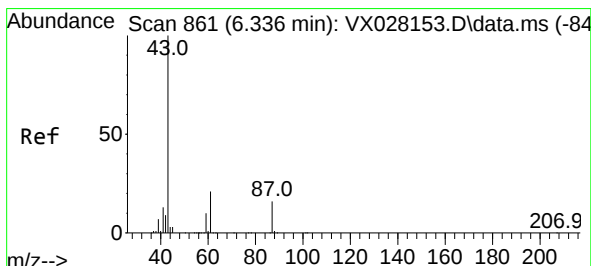
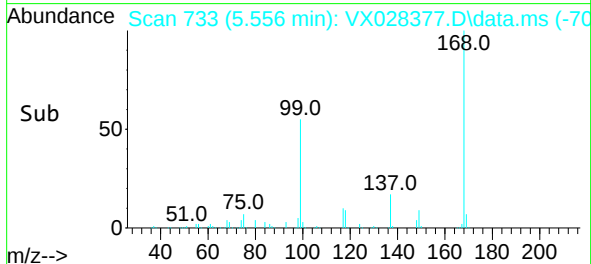
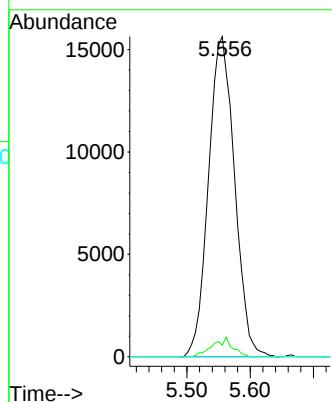
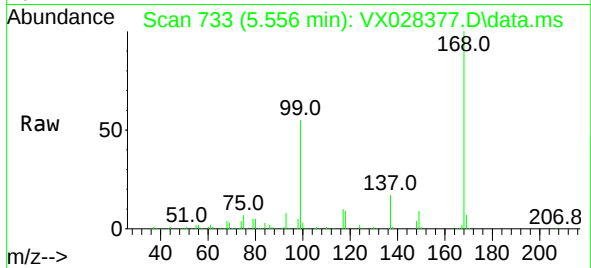




#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

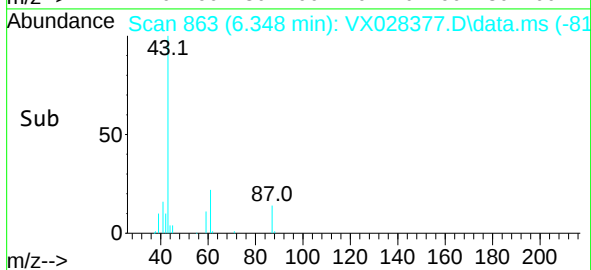
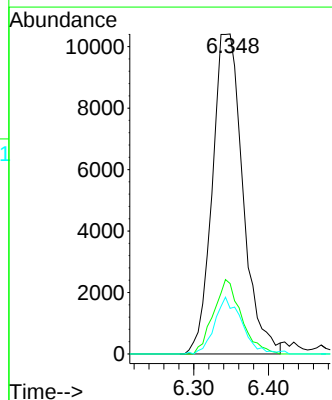
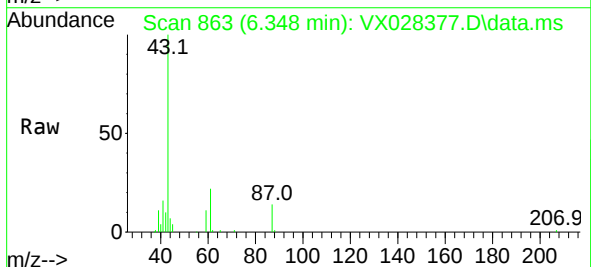
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

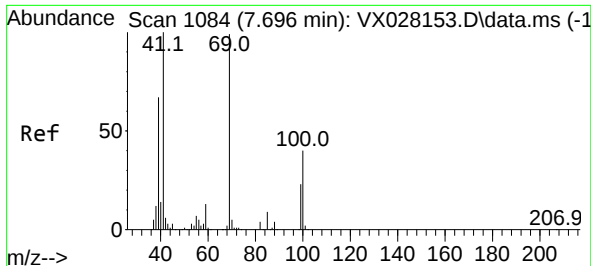
Tgt Ion:117 Resp: 44755
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.533 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 43 Resp: 29571
Ion Ratio Lower Upper
43 100
61 21.1 18.5 27.7
87 16.0 13.0 19.6

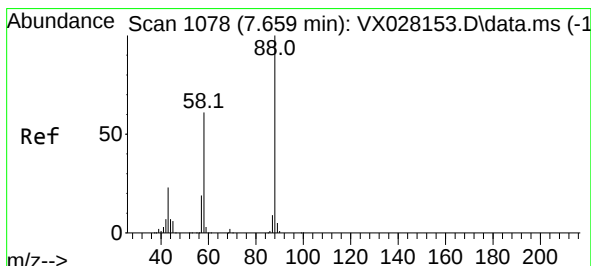
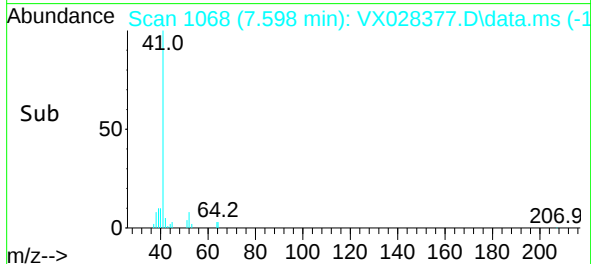
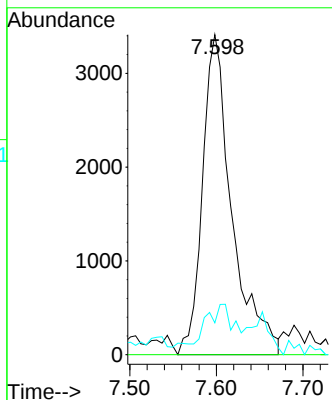
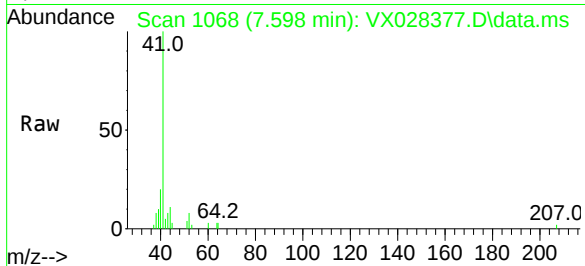




#48
Methyl methacrylate
Concen: 1.503 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

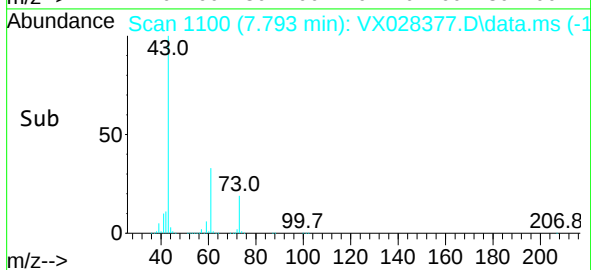
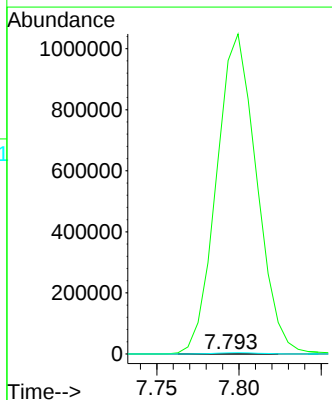
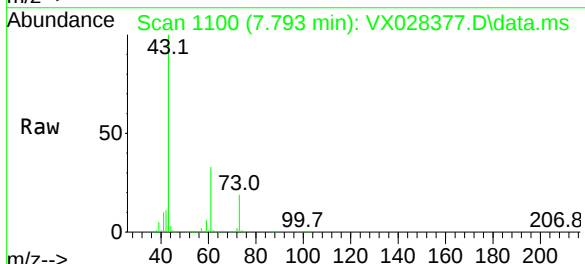
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

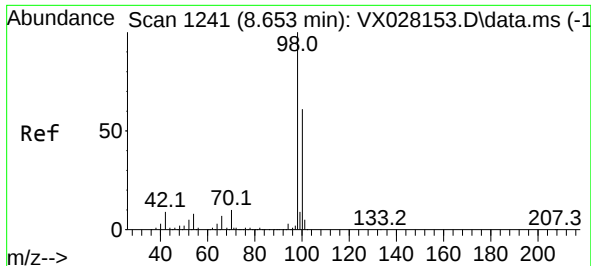
Tgt Ion: 41 Resp: 8054
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.630 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 88 Resp: 377
Ion Ratio Lower Upper
88 100
43 474983.8 21.9 32.9#
58 2105.0 53.7 80.5#

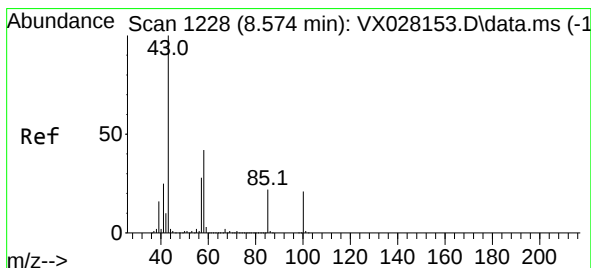
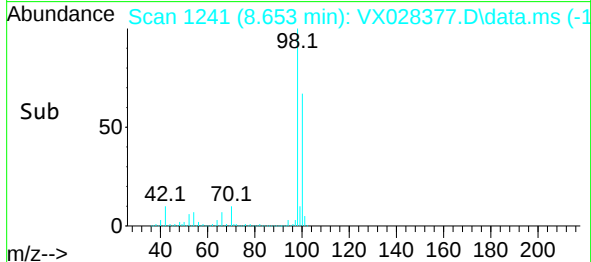
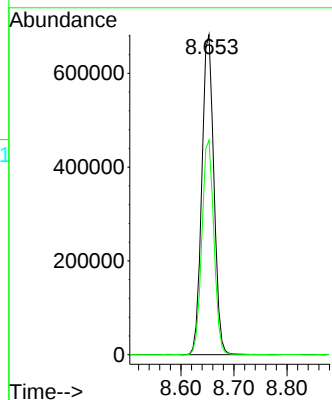
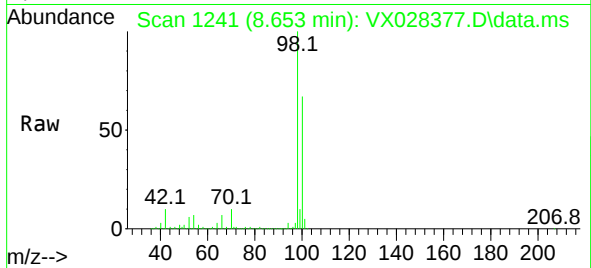




#50
Toluene-d8
Concen: 51.867 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

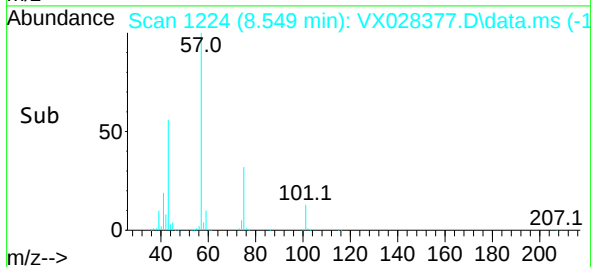
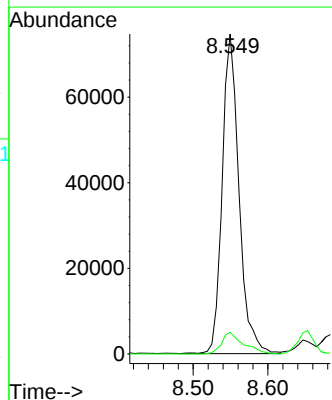
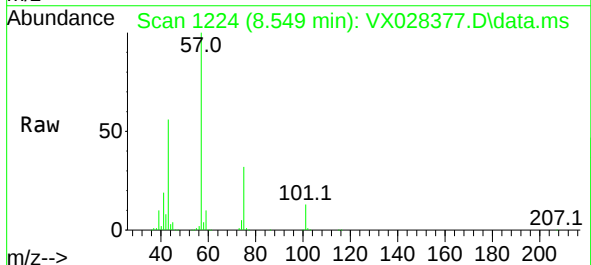
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

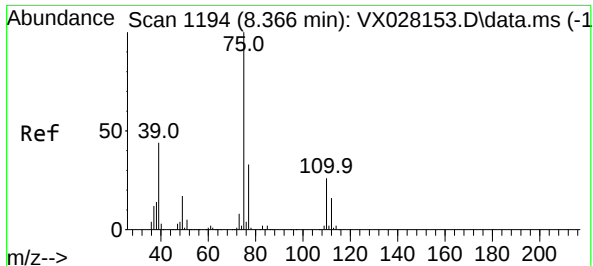
Tgt Ion: 98 Resp: 1079466
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.531 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 43 Resp: 116335
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#

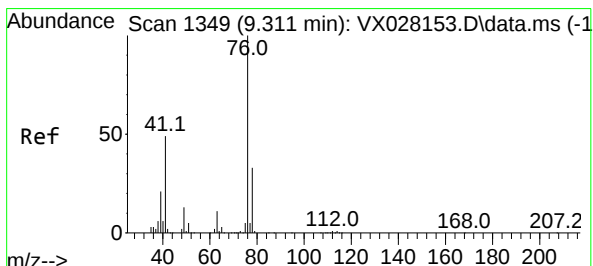
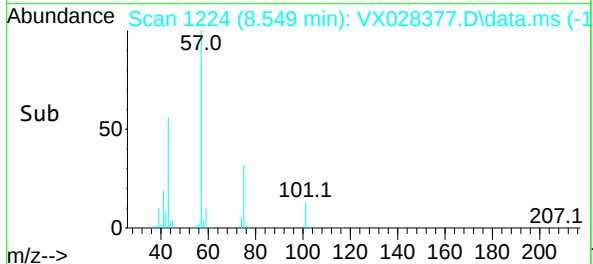
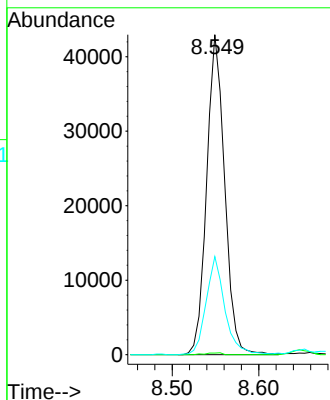
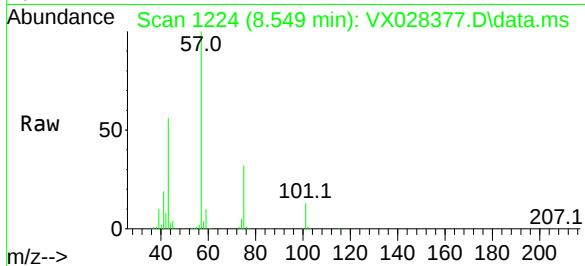




#54
cis-1,3-Dichloropropene
Concen: 7.116 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

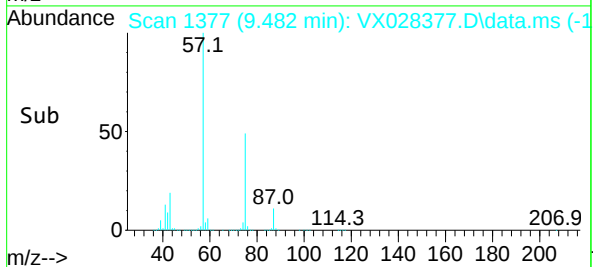
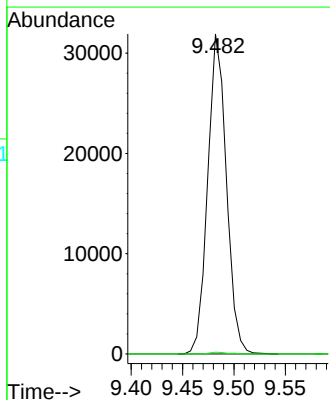
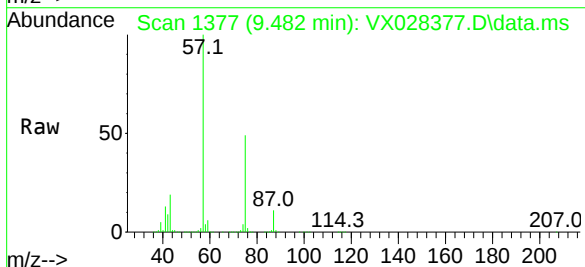
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

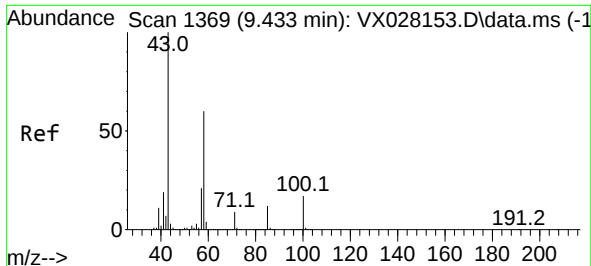
Tgt Ion: 75 Resp: 62006
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 30.7 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.277 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion: 76 Resp: 40320
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 77.175 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

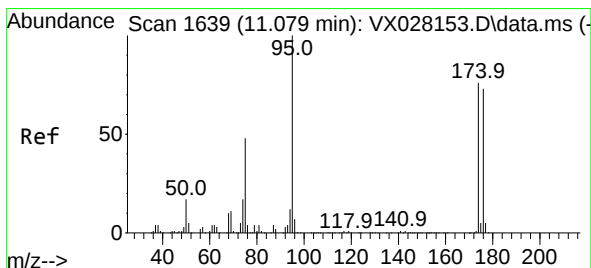
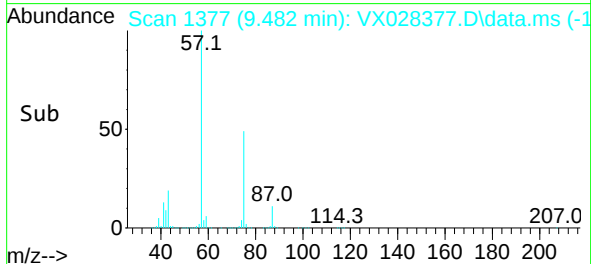
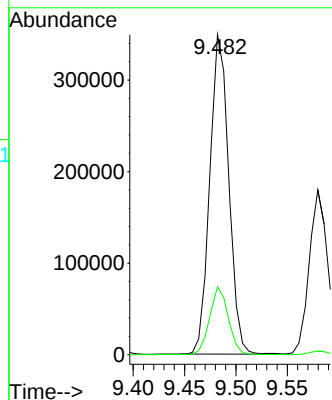
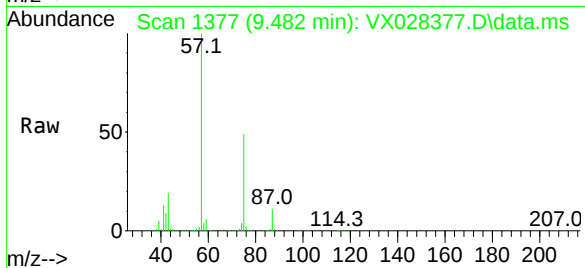
PB144400ZHE#02

Tgt Ion: 43 Resp: 447781

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.782 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

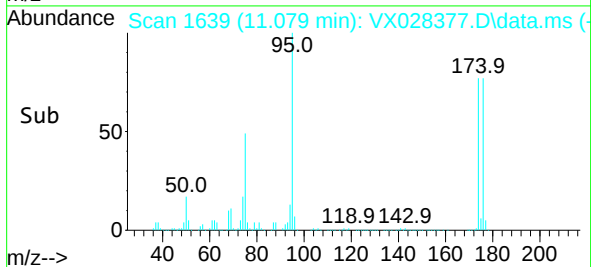
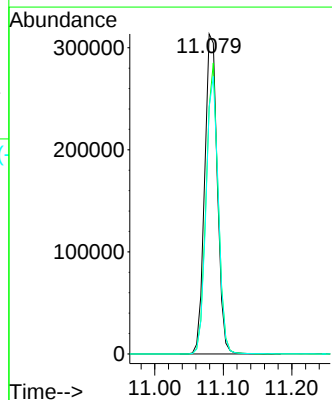
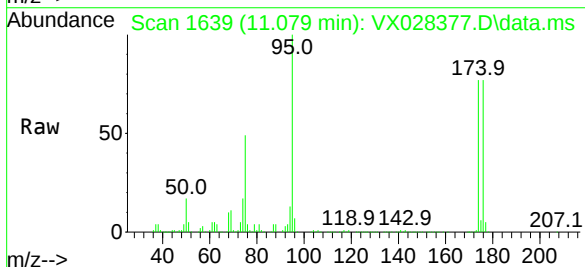
Tgt Ion: 95 Resp: 404108

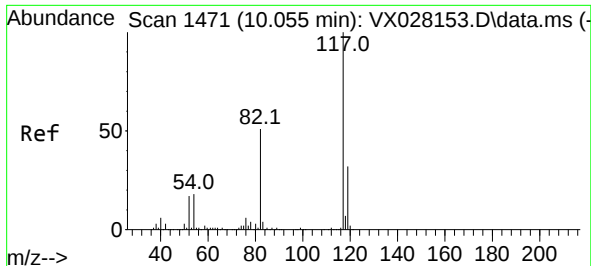
Ion Ratio Lower Upper

95 100

174 86.3 0.0 163.0

176 84.5 0.0 155.0

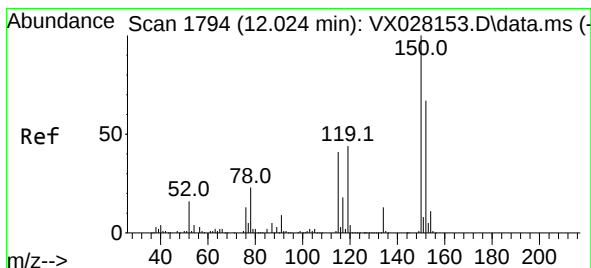
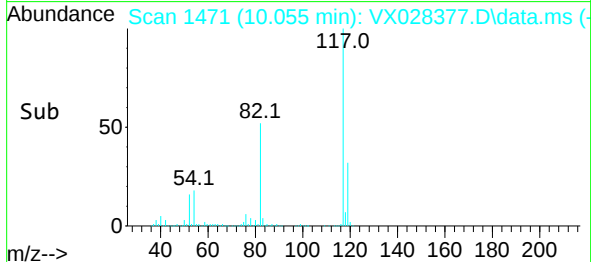
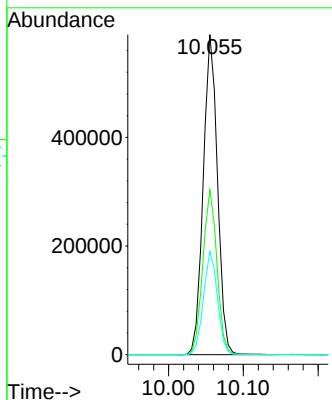
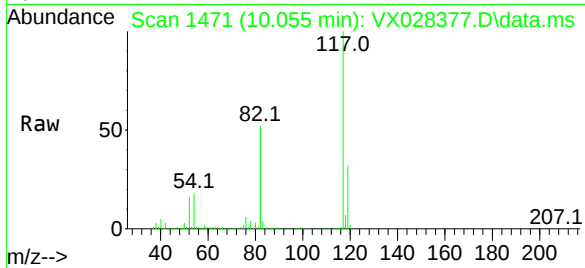




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

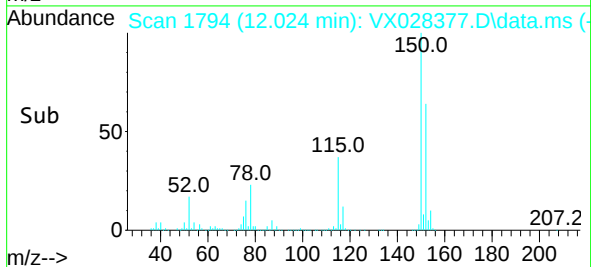
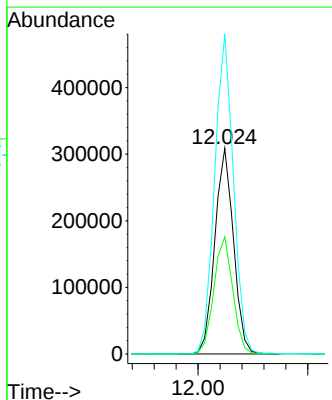
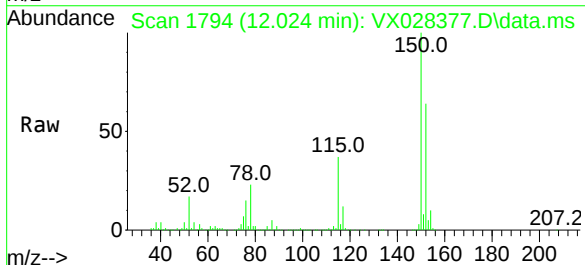
Instrument :
MSVOA_X
ClientSampleId :
PB144400ZHE#02

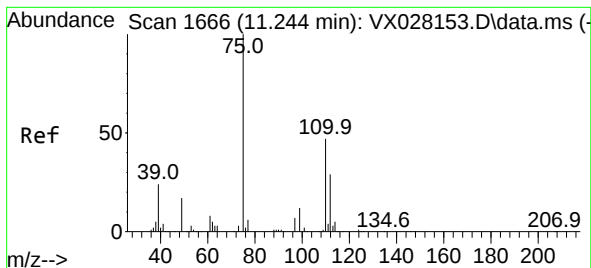
Tgt Ion:117 Resp: 778947
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028377.D
Acq: 27 Apr 2022 14:46

Tgt Ion:152 Resp: 365911
Ion Ratio Lower Upper
152 100
115 57.8 37.5 112.7
150 156.7 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 27.405 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028377.D

Acq: 27 Apr 2022 14:46

Instrument :

MSVOA_X

ClientSampleId :

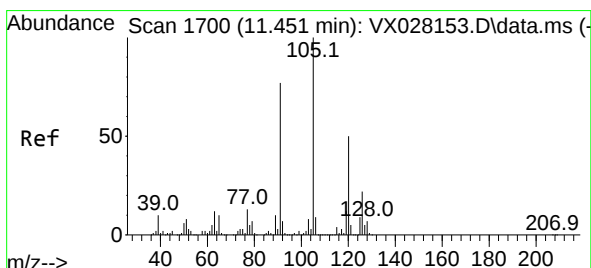
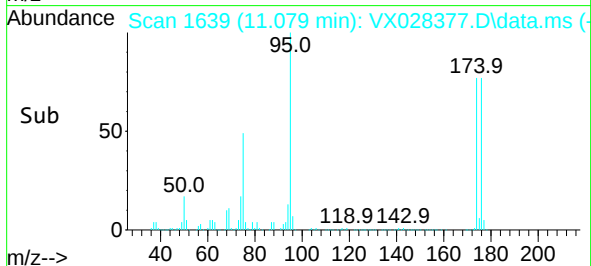
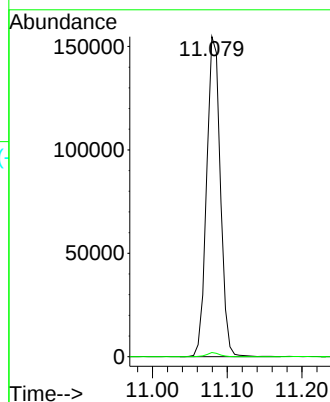
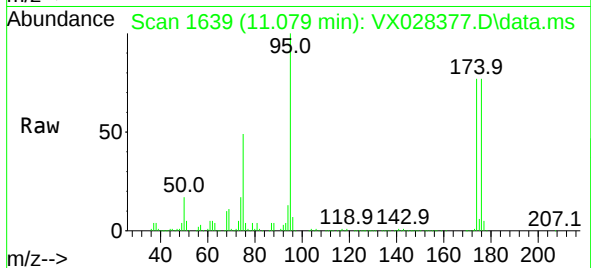
PB144400ZHE#02

Tgt Ion: 75 Resp: 197355

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.223 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX028377.D

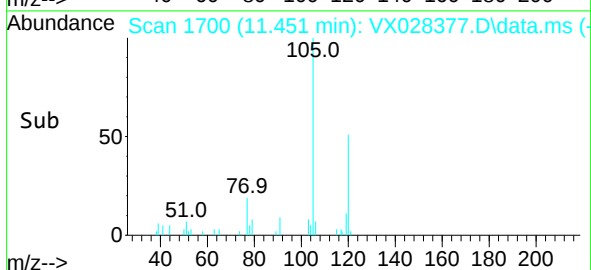
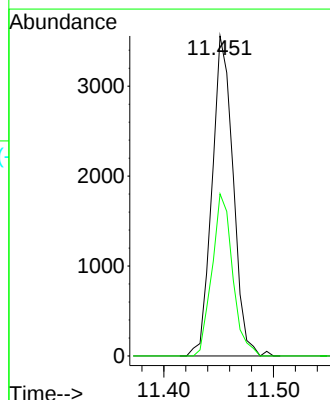
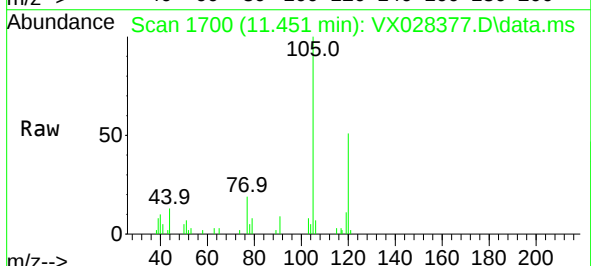
Acq: 27 Apr 2022 14:46

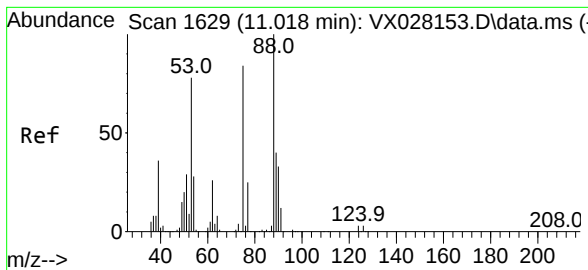
Tgt Ion: 105 Resp: 4758

Ion Ratio Lower Upper

105 100

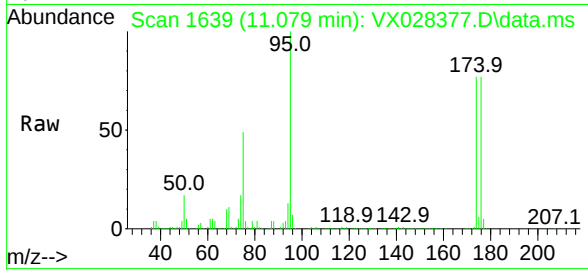
120 49.4 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.441 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028377.D
 Acq: 27 Apr 2022 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144400ZHE#02



Tgt Ion: 75 Resp: 197355
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

