

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029923.D
 Acq On : 05 Jul 2022 16:15
 Operator : JC/MD
 Sample : PB145991ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

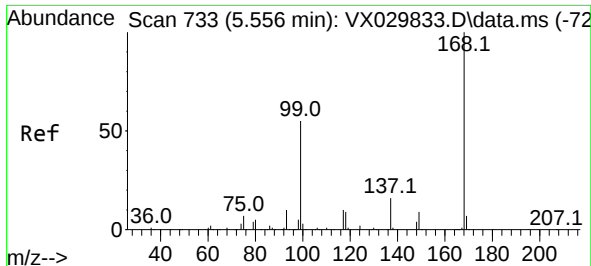
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#09

Quant Time: Jul 06 06:56:57 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	5.562	168	208912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	364315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	114719	43.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.760%		
35) Dibromofluoromethane	5.391	113	106648	46.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.680%		
50) Toluene-d8	8.653	98	414561	48.536	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.080%		
62) 4-Bromofluorobenzene	11.085	95	137806	45.643	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.280%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	352	0.274	ug/l #	77
6) Chloroethane	1.666	64	168	1.132	ug/l #	41
10) Methyl Iodide	2.453	142	182	1.934	ug/l #	45
11) Tert butyl alcohol	2.947	59	2015	2.914	ug/l #	74
13) Acrolein	2.221	56	92	Below Cal	#	14
16) Acetone	2.386	43	21808	16.856	ug/l	96
18) Methyl Acetate	2.709	43	1285	0.322	ug/l #	72
20) Methylene Chloride	2.788	84	11170	4.088	ug/l	95
25) 2-Butanone	4.568	43	6337	2.822	ug/l #	81
29) Tetrahydrofuran	5.019	42	1036	0.701	ug/l #	48
31) Cyclohexane	5.556	56	3880	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15398	5.085	ug/l #	47
37) Ethyl Acetate	4.721	43	15463	3.734	ug/l #	80
38) Carbon Tetrachloride	5.556	117	19515	7.437	ug/l #	18
43) Isopropyl Acetate	6.348	43	61548	9.869	ug/l	99
44) Trichloroethene	7.129	130	1364	0.517	ug/l	96
48) Methyl methacrylate	7.604	41	3211	1.086	ug/l #	13
49) 1,4-Dioxane	7.805	88	25	0.357	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	50585	12.301	ug/l #	47
54) cis-1,3-Dichloropropene	8.555	75	23789	6.513	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	3213	0.776	ug/l #	42
59) 2-Hexanone	9.482	43	40380	12.653	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	63577	19.997	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	63577	63.506	ug/l #	12

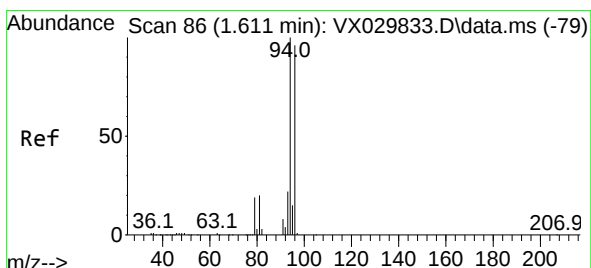
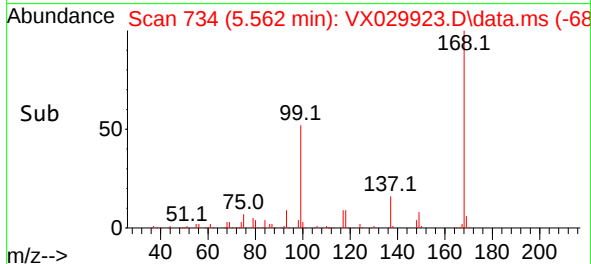
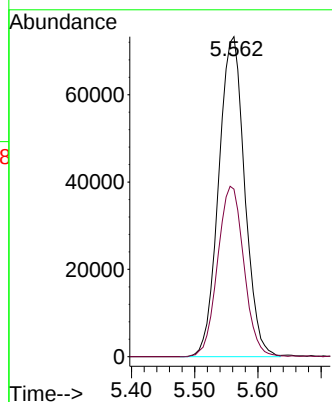
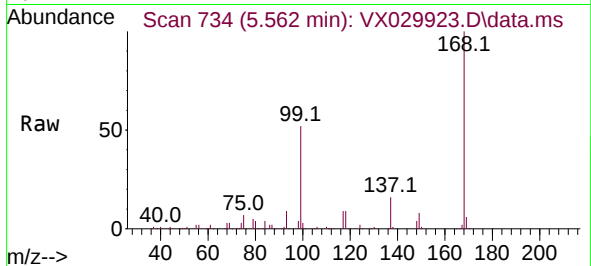
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

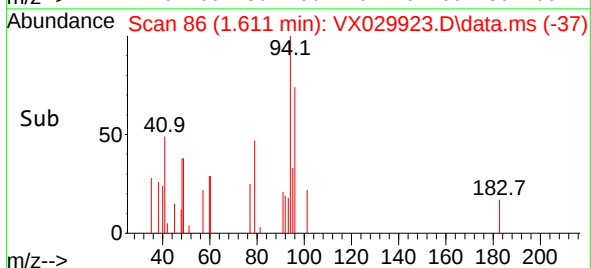
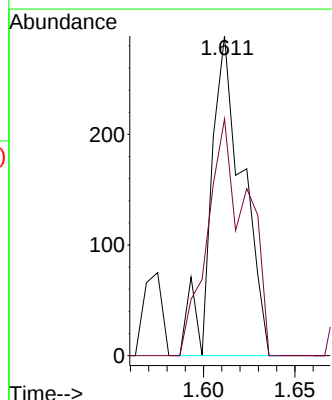
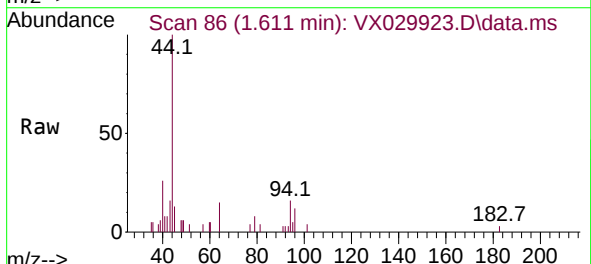
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

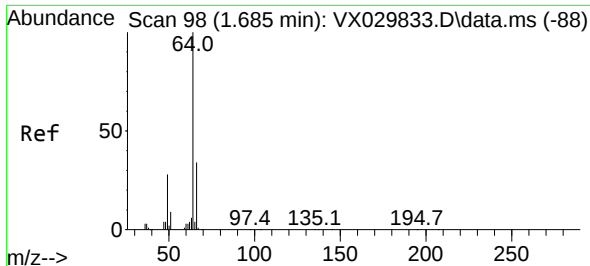
Tgt Ion:168 Resp: 208912
Ion Ratio Lower Upper
168 100
99 52.4 44.0 66.0



#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 74.0 76.9 115.3#

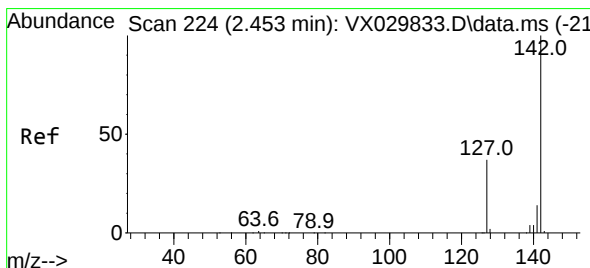
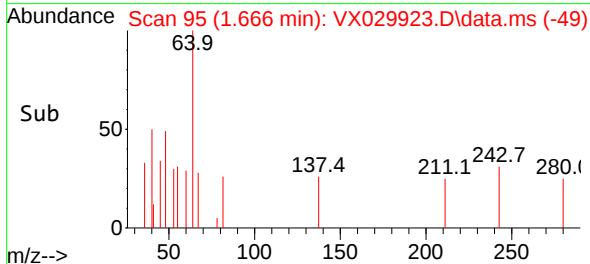
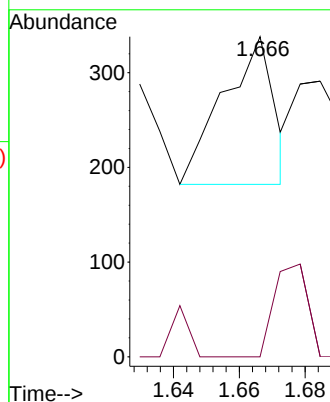
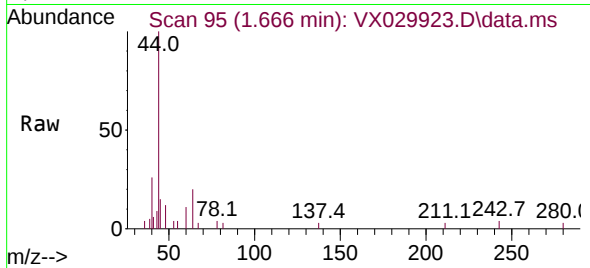




#6
Chloroethane
Concen: 1.132 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

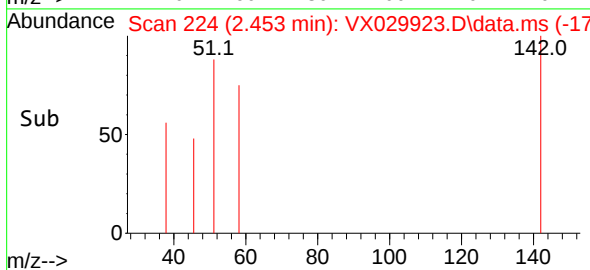
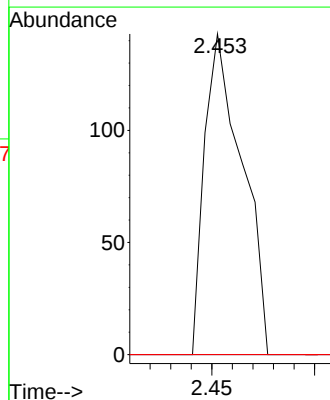
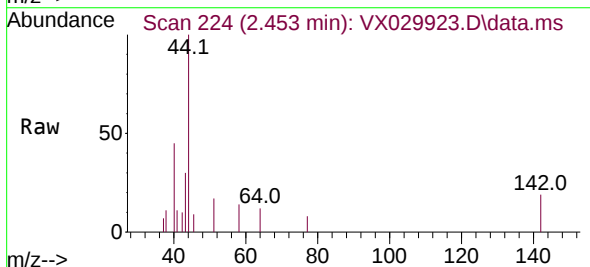
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

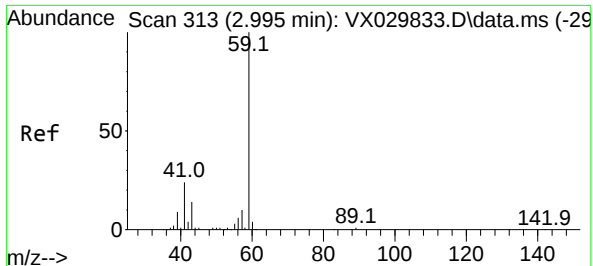
Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.934 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 142 Resp: 182
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 2.914 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.049 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Instrument :

MSVOA_X

ClientSampleId :

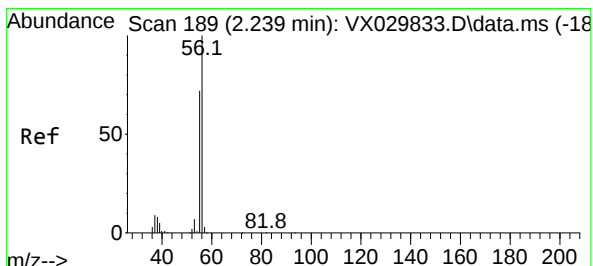
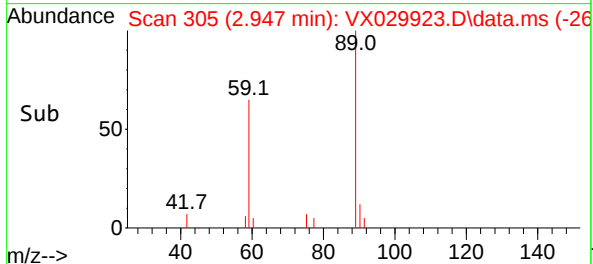
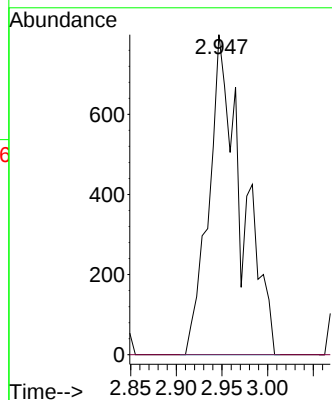
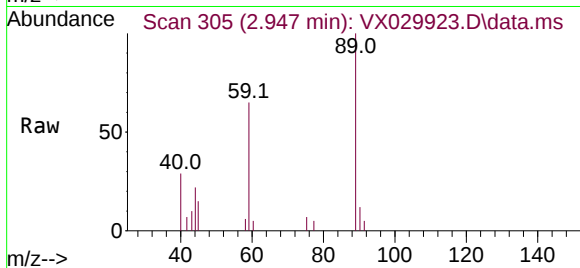
PB145991ZHE#09

Tgt Ion: 59 Resp: 2015

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX029923.D

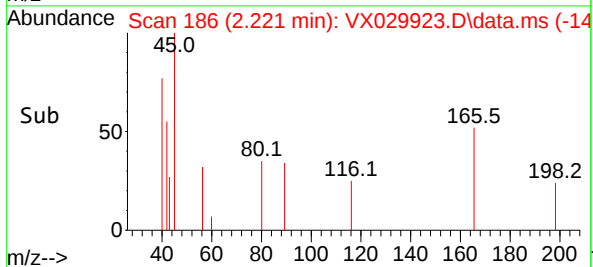
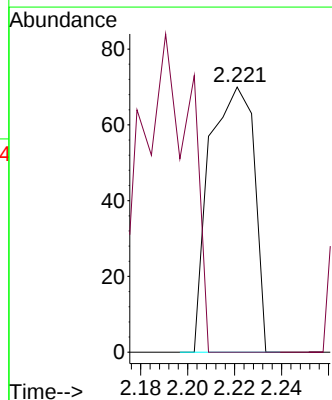
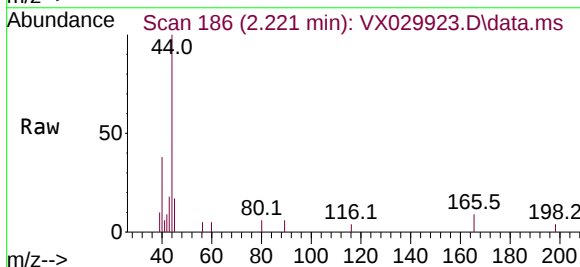
Acq: 05 Jul 2022 16:15

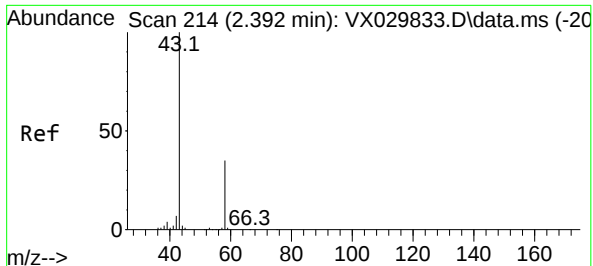
Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

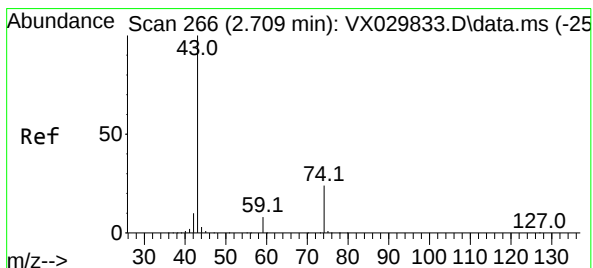
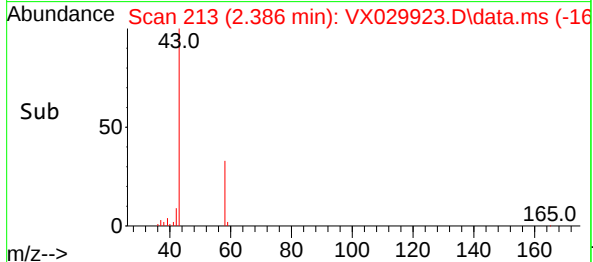
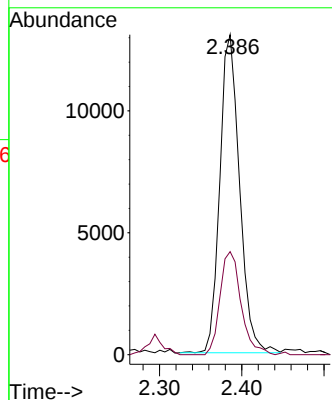
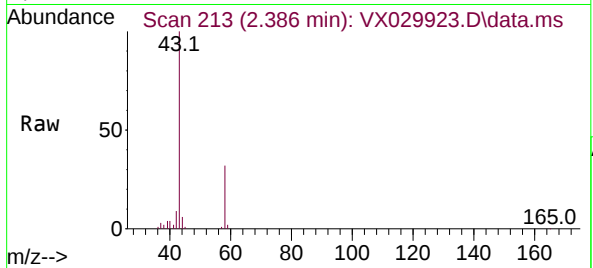




#16
Acetone
Concen: 16.856 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

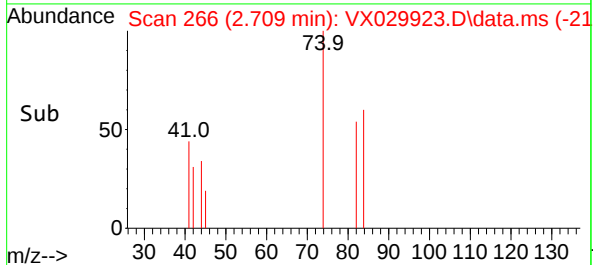
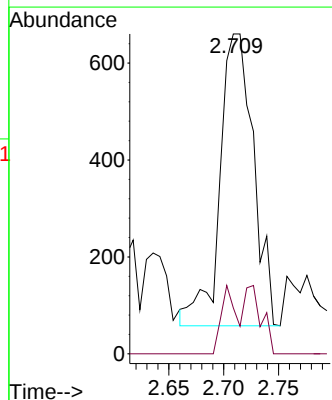
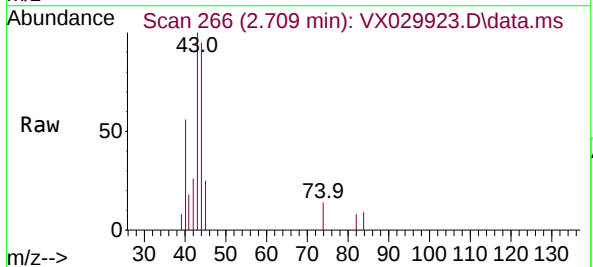
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

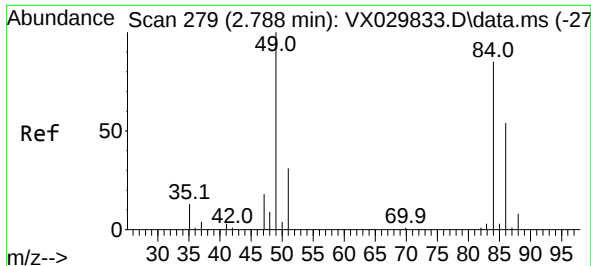
Tgt Ion: 43 Resp: 21808
Ion Ratio Lower Upper
43 100
58 32.4 27.7 41.5



#18
Methyl Acetate
Concen: 0.322 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 43 Resp: 1285
Ion Ratio Lower Upper
43 100
74 10.3 19.4 29.2#



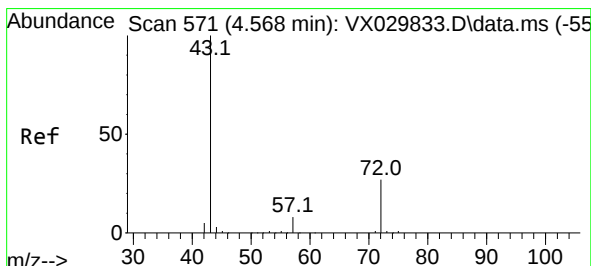
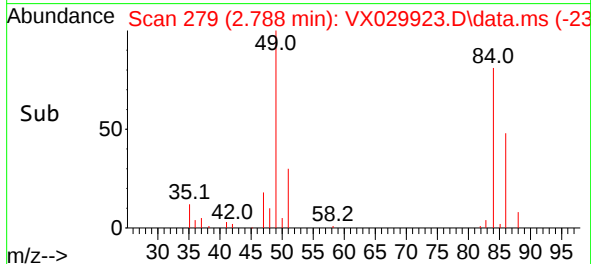
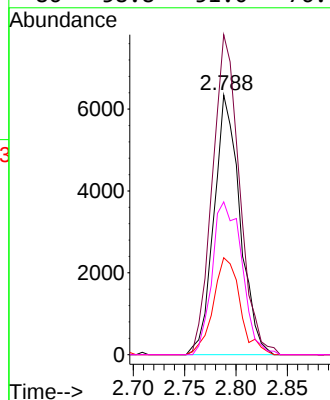
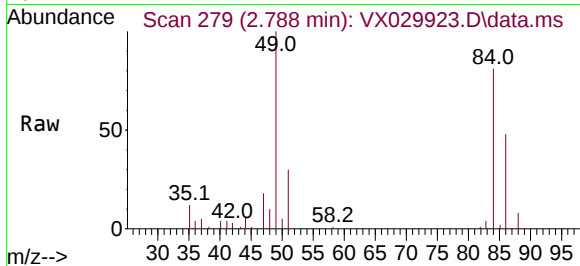


#20
Methylene Chloride
Concen: 4.088 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

Tgt Ion: 84 Resp: 11170

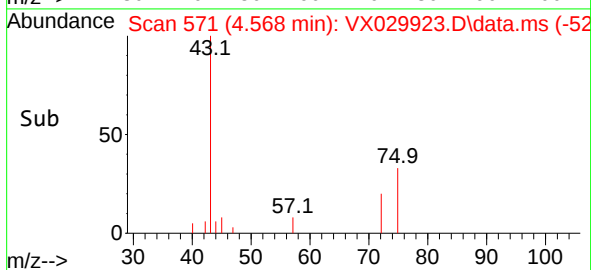
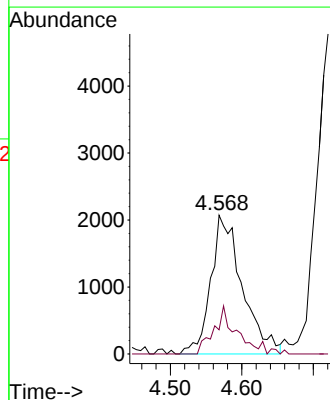
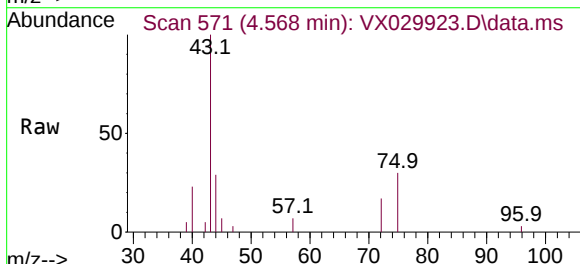
Ion	Ratio	Lower	Upper
84	100		
49	123.2	93.8	140.6
51	37.3	29.4	44.0
86	58.8	51.0	76.4

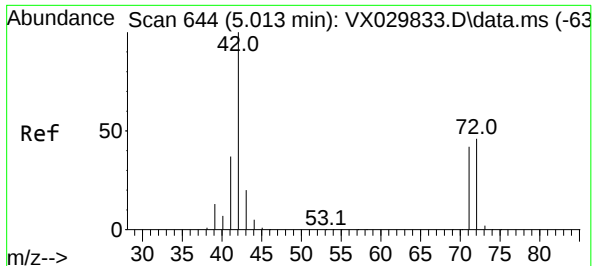


#25
2-Butanone
Concen: 2.822 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 43 Resp: 6337

Ion	Ratio	Lower	Upper
43	100		
72	17.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.701 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#09

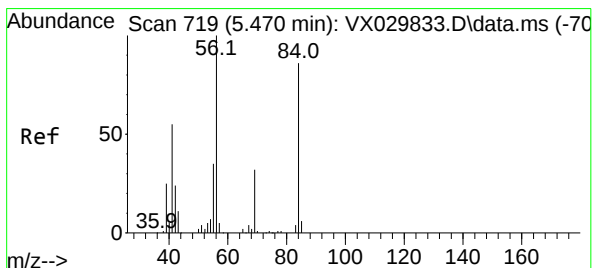
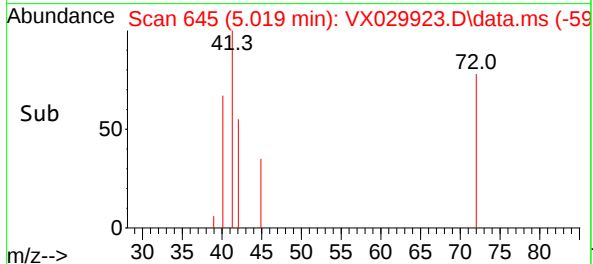
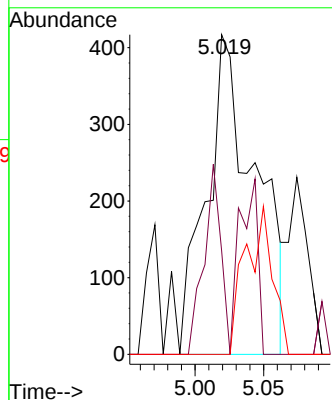
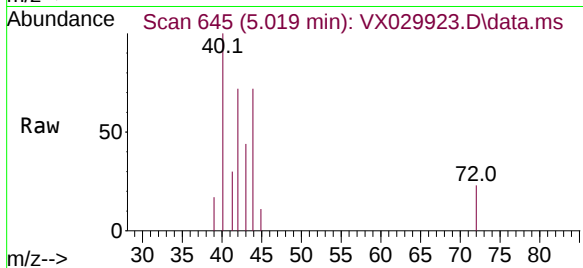
Tgt Ion: 42 Resp: 1036

Ion Ratio Lower Upper

42 100

72 20.7 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.052 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

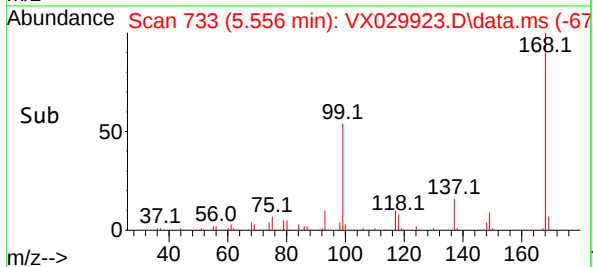
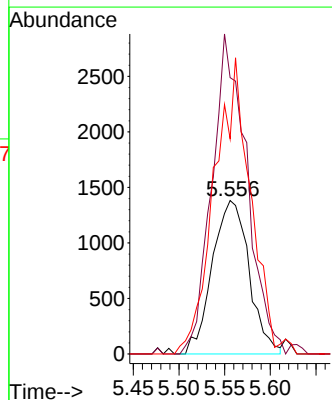
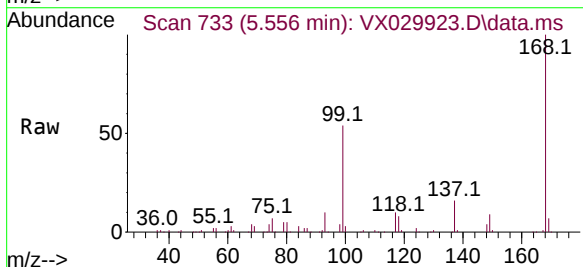
Tgt Ion: 56 Resp: 3880

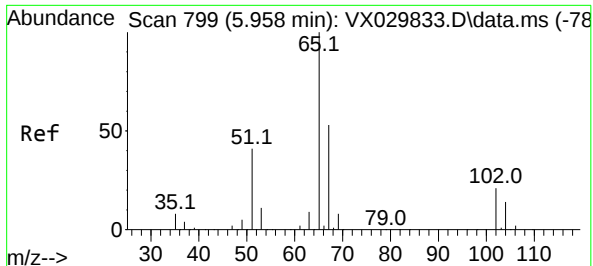
Ion Ratio Lower Upper

56 100

69 180.0 25.4 38.0#

84 135.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.381 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Instrument :

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ClientSampleId :

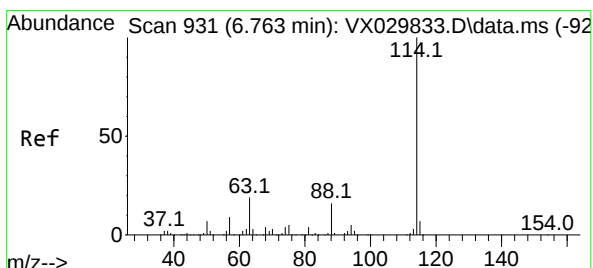
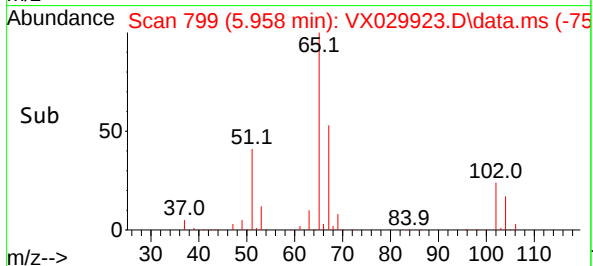
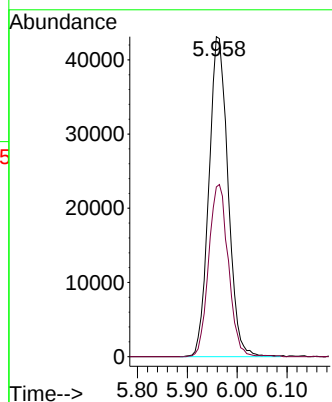
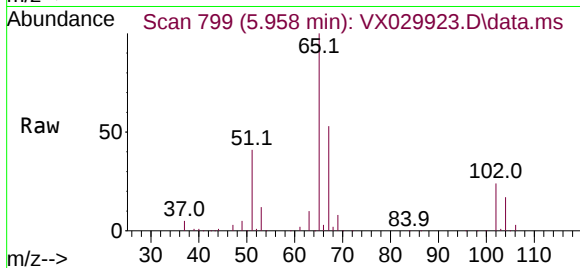
PB145991ZHE#09

Tgt Ion: 65 Resp: 114719

Ion Ratio Lower Upper

65 100

67 55.2 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: VX029923.D

Acq: 05 Jul 2022 16:15

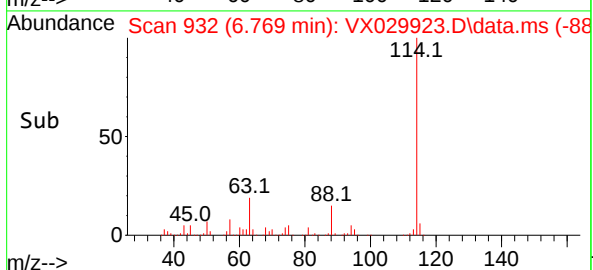
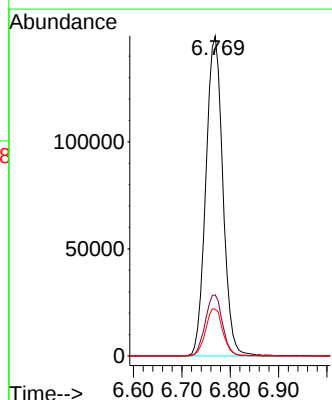
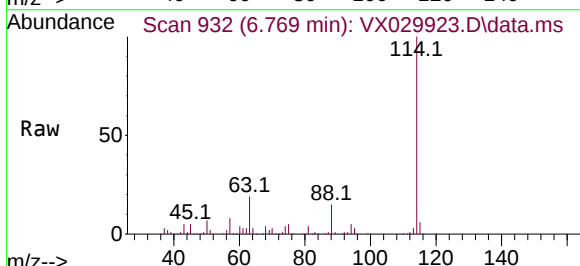
Tgt Ion: 114 Resp: 364315

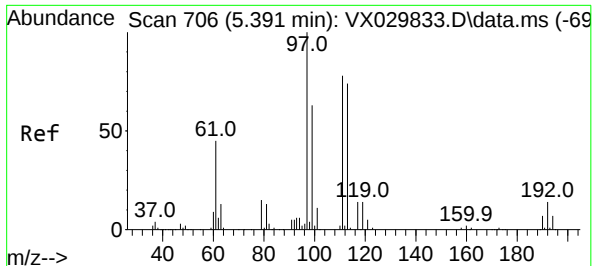
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.842 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#09

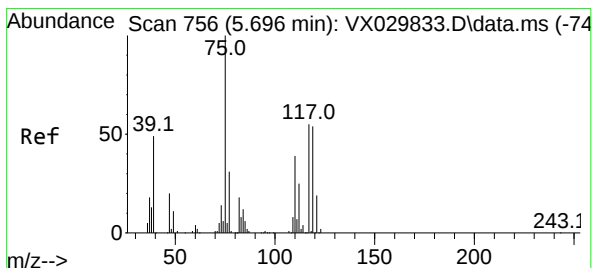
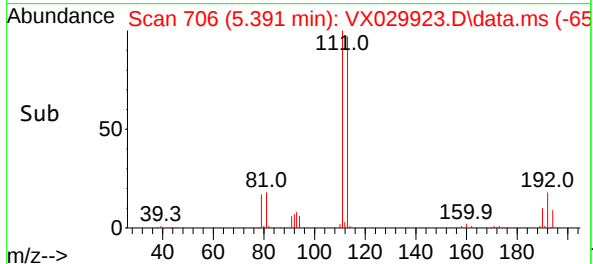
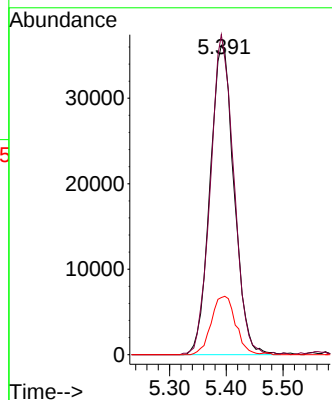
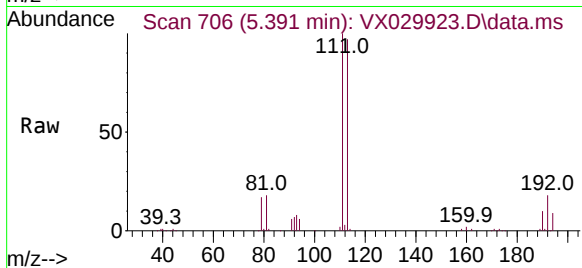
Tgt Ion:113 Resp: 106648

Ion Ratio Lower Upper

113 100

111 100.3 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

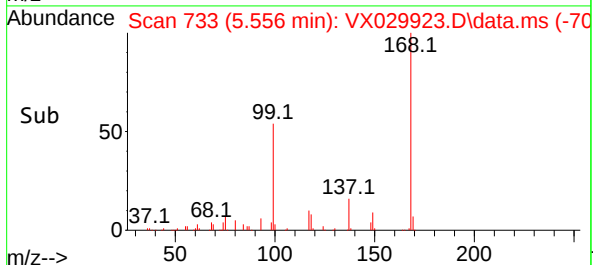
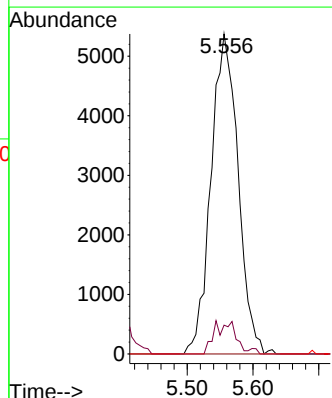
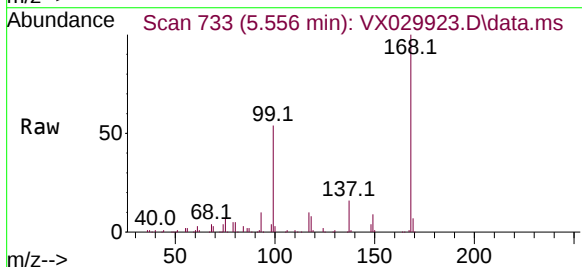
Tgt Ion: 75 Resp: 15398

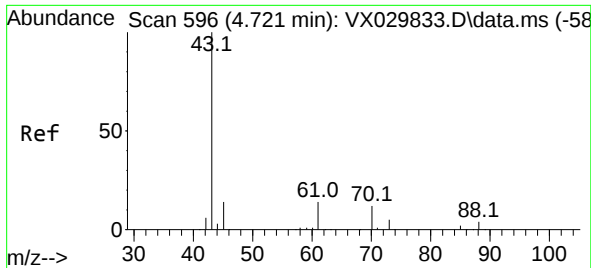
Ion Ratio Lower Upper

75 100

110 7.9 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.734 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

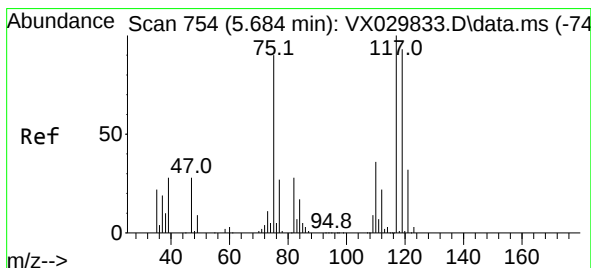
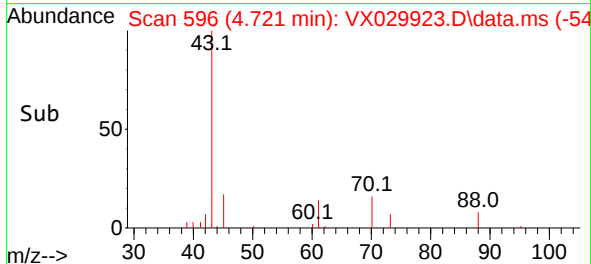
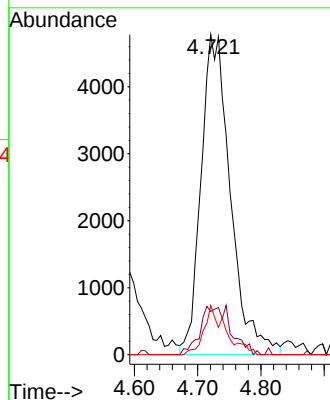
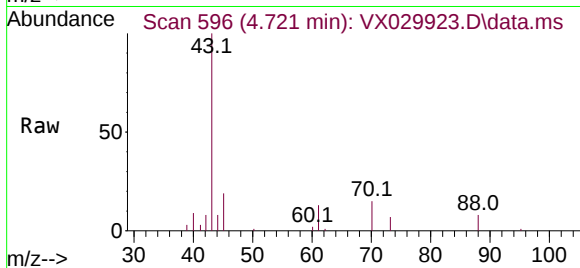
Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#09

Tgt Ion: 43	Resp: 15463
Ion Ratio	Lower Upper
43 100	
61 0.0	11.7 17.5#
70 11.4	9.3 13.9



#38

Carbon Tetrachloride

Concen: 7.437 ug/l

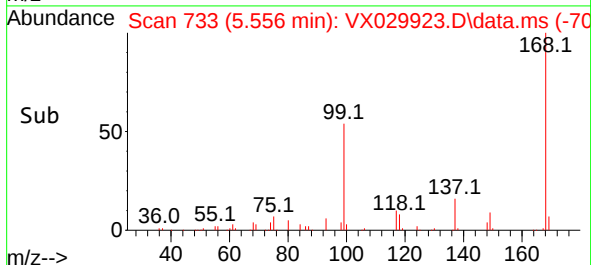
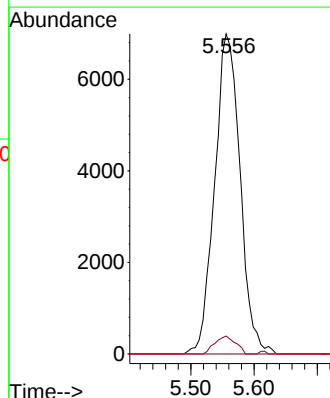
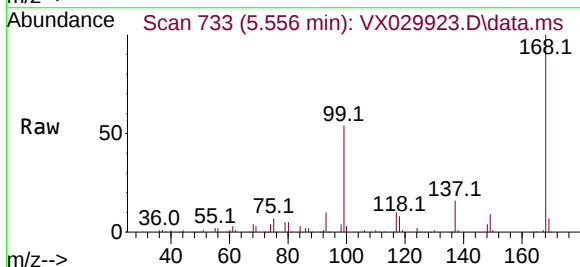
RT: 5.556 min Scan# 733

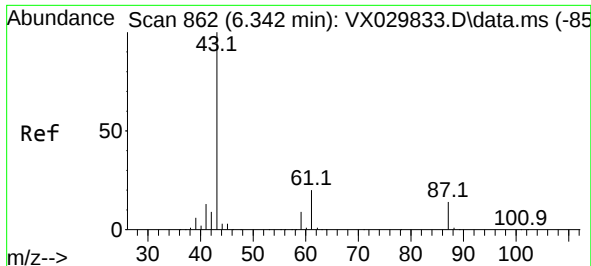
Delta R.T. -0.128 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Tgt Ion: 117	Resp: 19515
Ion Ratio	Lower Upper
117 100	
119 5.6	74.1 111.1#
121 0.0	25.8 38.8#

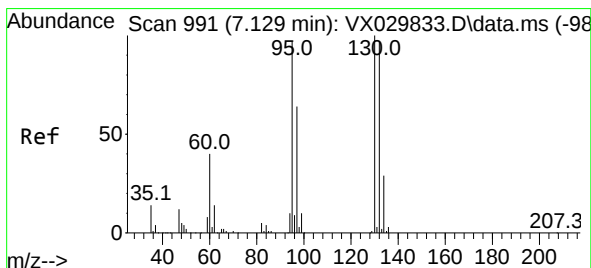
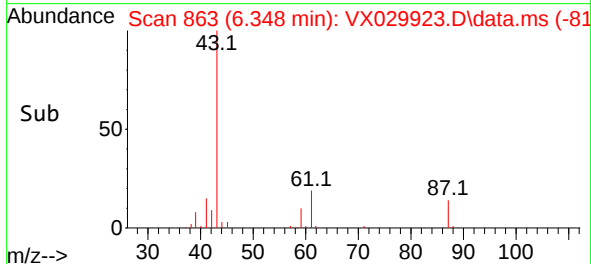
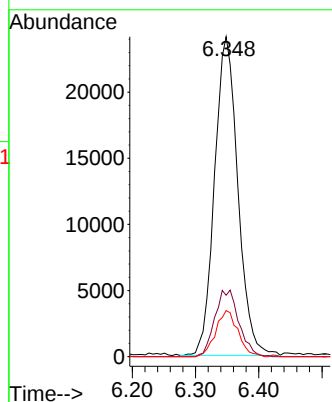
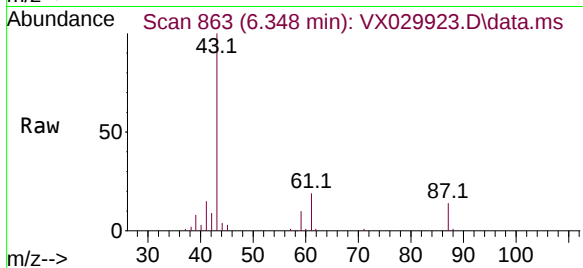




#43
Isopropyl Acetate
Concen: 9.869 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

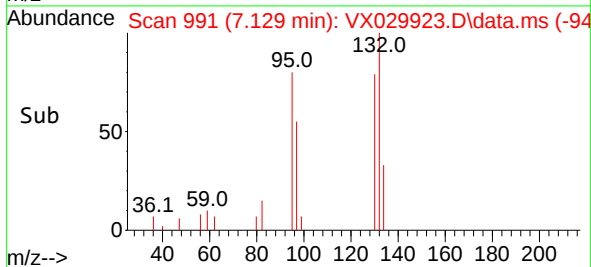
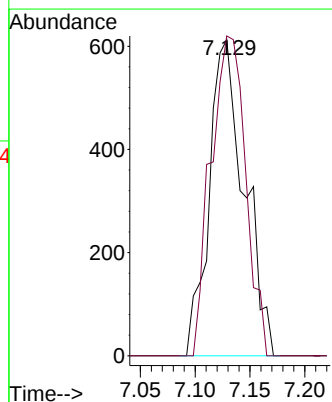
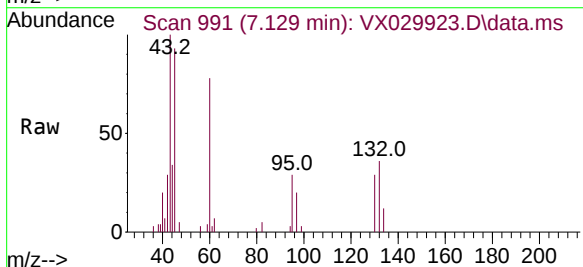
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

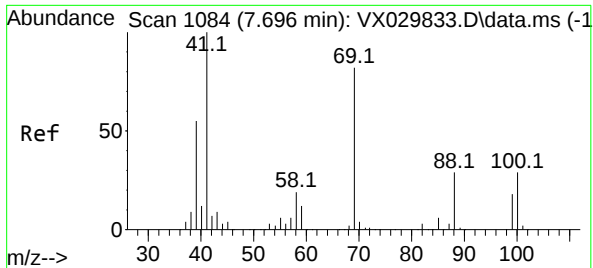
Tgt Ion: 43 Resp: 61548
Ion Ratio Lower Upper
43 100
61 21.7 16.5 24.7
87 13.9 11.1 16.7



#44
Trichloroethene
Concen: 0.517 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 130 Resp: 1364
Ion Ratio Lower Upper
130 100
95 101.1 0.0 194.8

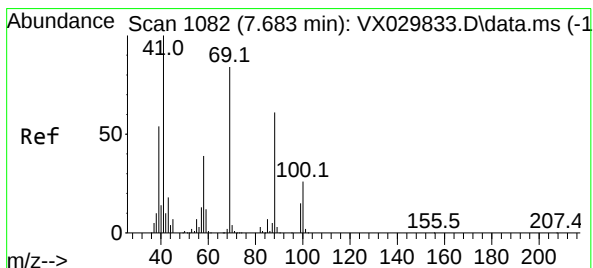
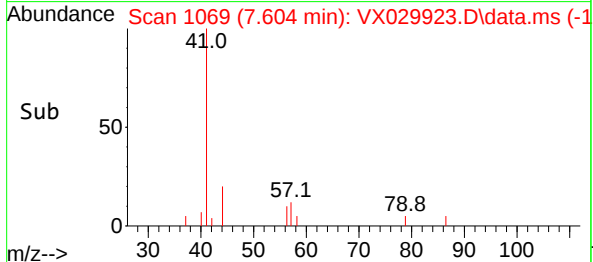
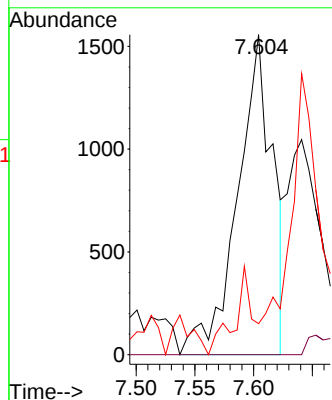
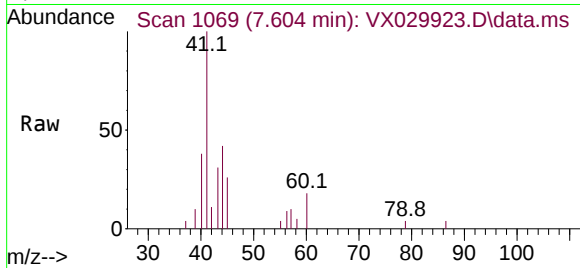




#48
Methyl methacrylate
Concen: 1.086 ug/l
RT: 7.604 min Scan# 1102
Delta R.T. -0.091 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

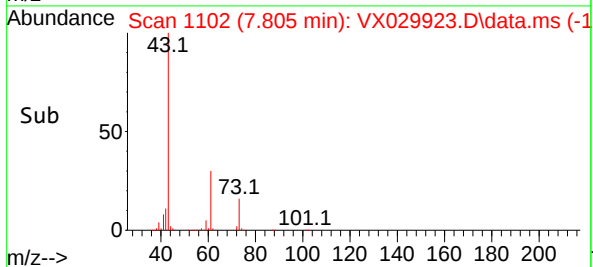
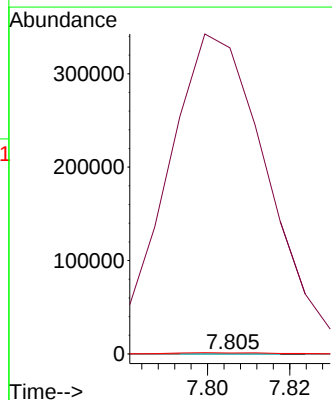
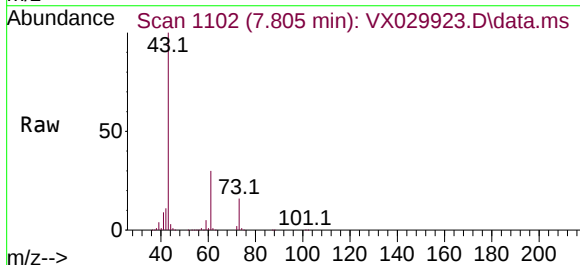
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

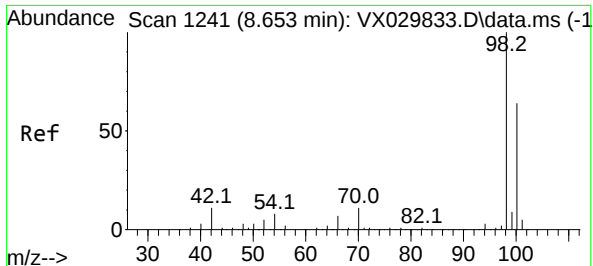
Tgt Ion: 41 Resp: 3211
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 0.0 44.6 66.8#



#49
1,4-Dioxane
Concen: 0.357 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.122 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 2390248.0 23.8 35.8#
58 9184.0 53.8 80.6#





#50

Toluene-d8

Concen: 48.536 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029923.D

Acq: 05 Jul 2022 16:15

Instrument :

MSVOA_X

ClientSampleId :

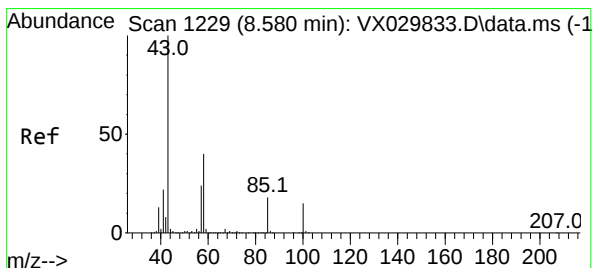
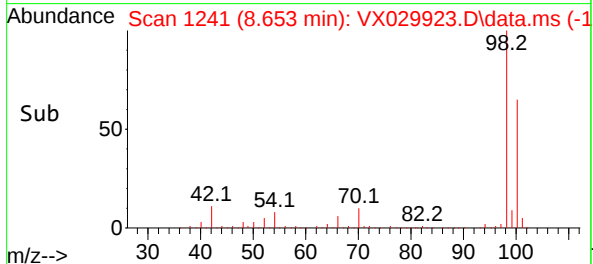
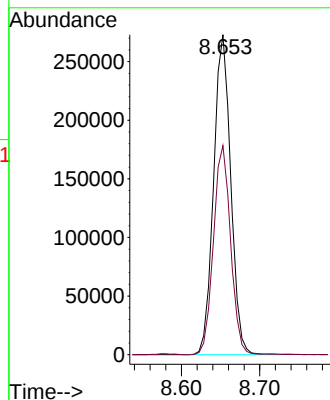
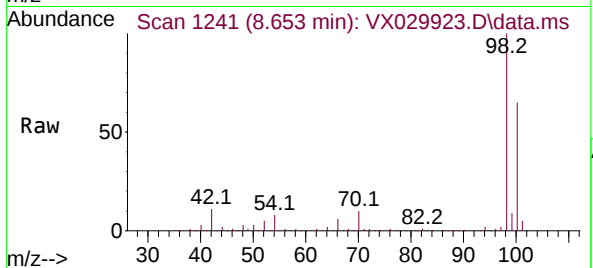
PB145991ZHE#09

Tgt Ion: 98 Resp: 414561

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 12.301 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX029923.D

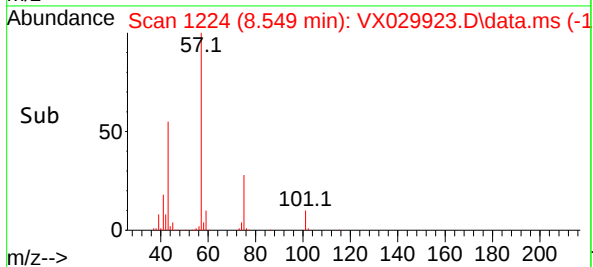
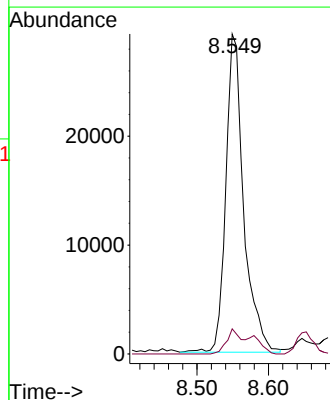
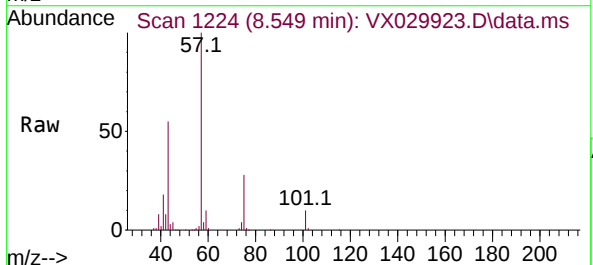
Acq: 05 Jul 2022 16:15

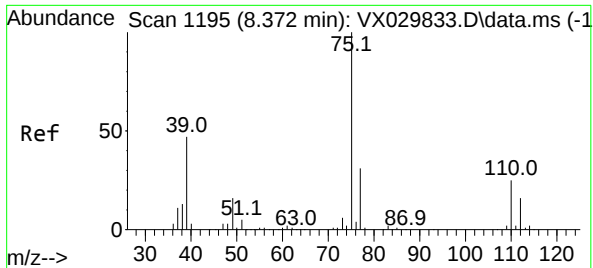
Tgt Ion: 43 Resp: 50585

Ion Ratio Lower Upper

43 100

58 6.6 31.4 47.2#

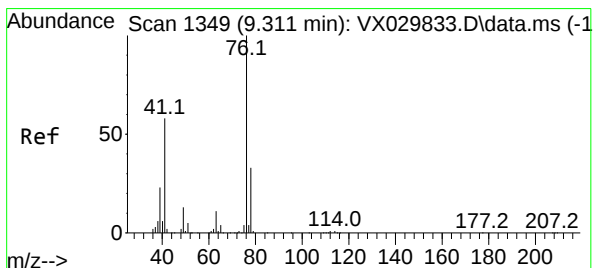
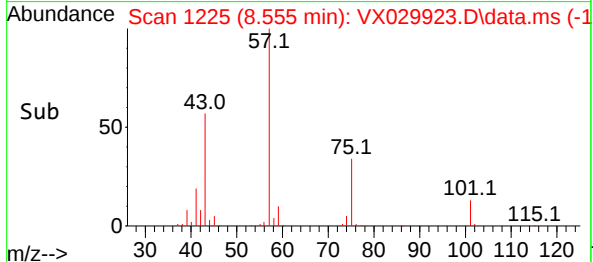
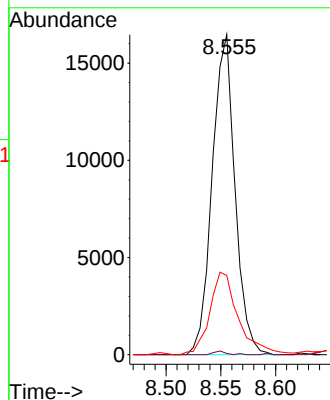
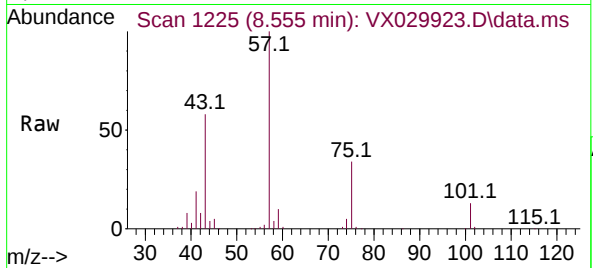




#54
 cis-1,3-Dichloropropene
 Concen: 6.513 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX029923.D
 Acq: 05 Jul 2022 16:15

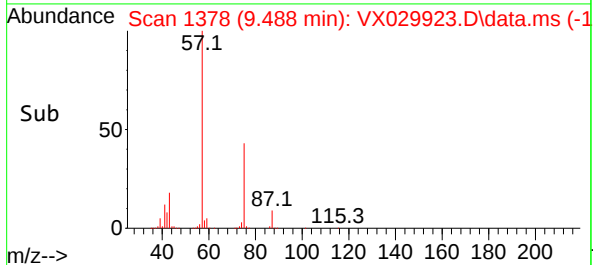
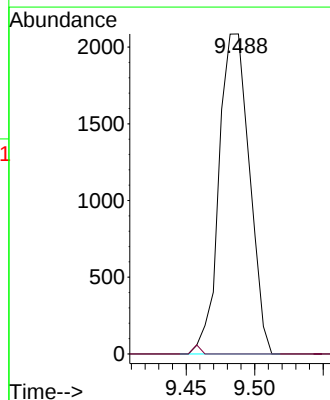
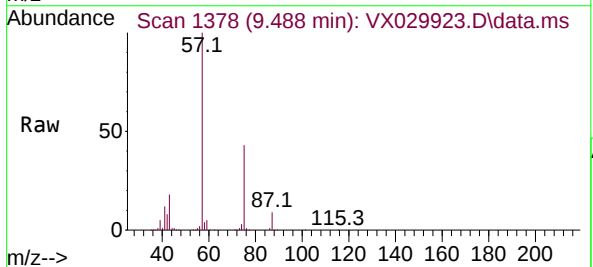
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#09

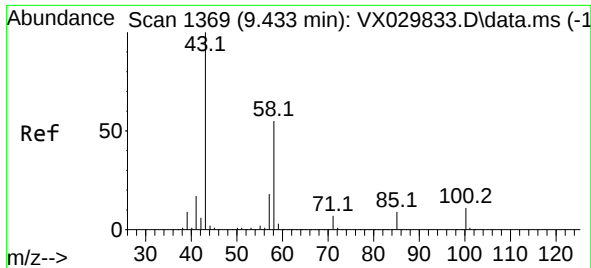
Tgt Ion: 75 Resp: 23789
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 24.8 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 0.776 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX029923.D
 Acq: 05 Jul 2022 16:15

Tgt Ion: 76 Resp: 3213
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

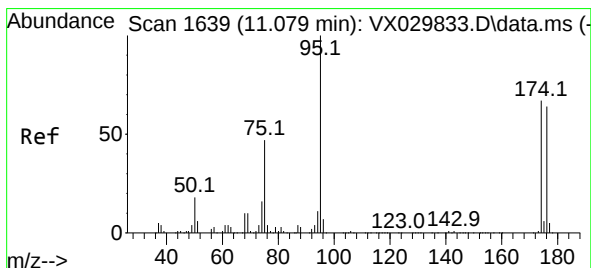
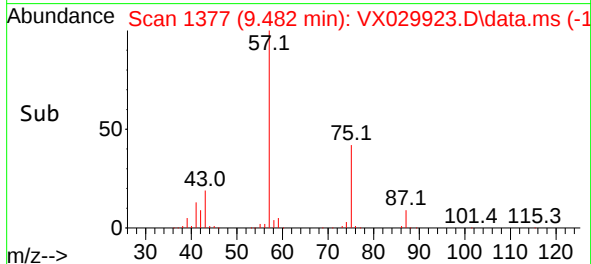
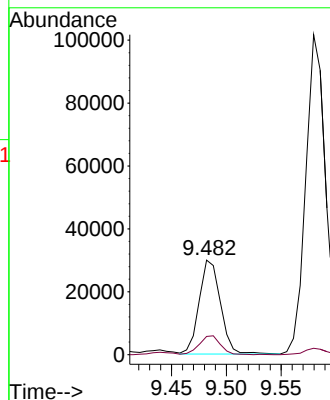
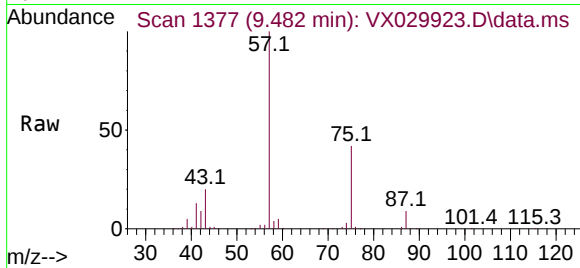




#59
2-Hexanone
Concen: 12.653 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

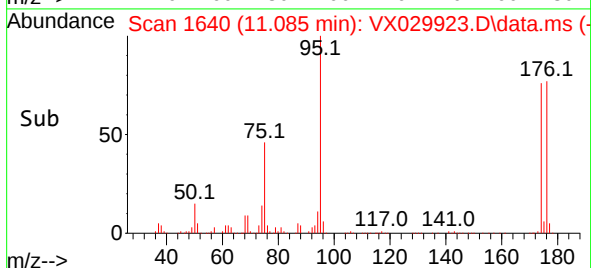
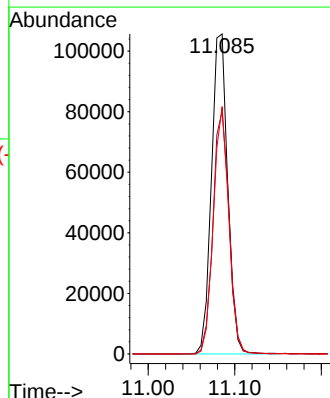
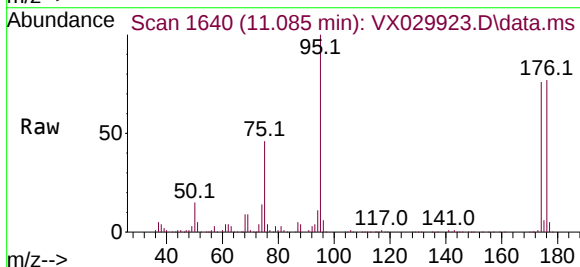
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

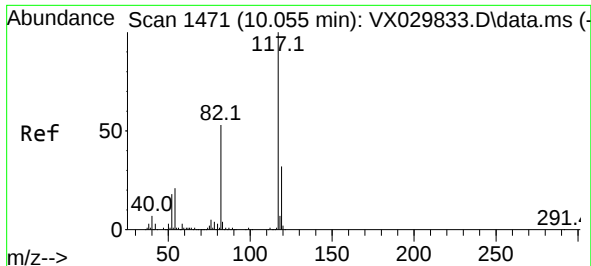
Tgt Ion: 43 Resp: 40380
Ion Ratio Lower Upper
43 100
58 20.1 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.643 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 95 Resp: 137806
Ion Ratio Lower Upper
95 100
174 75.5 0.0 149.0
176 73.1 0.0 146.0

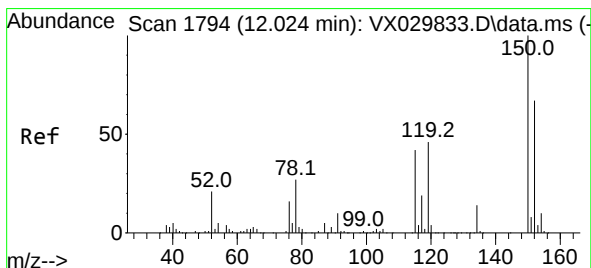
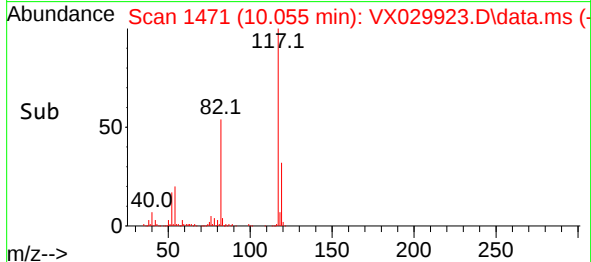
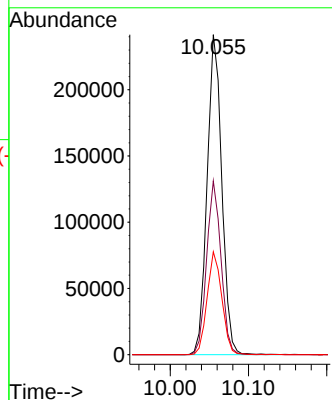
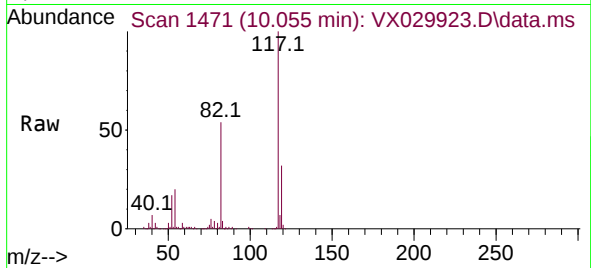




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

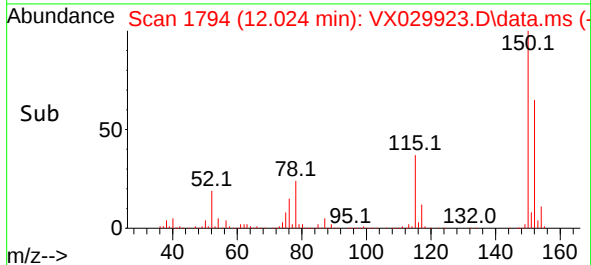
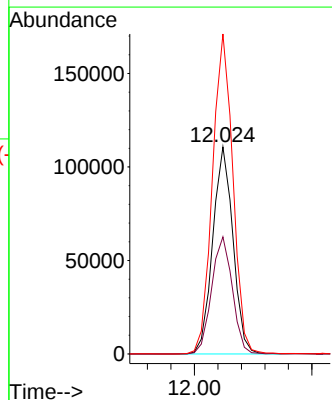
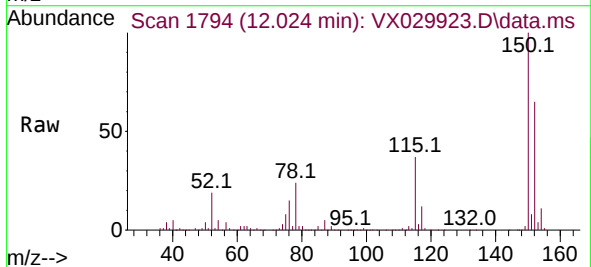
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

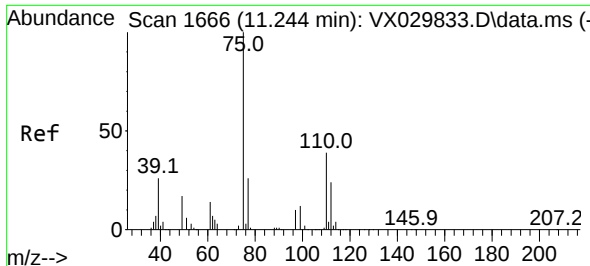
Tgt Ion:117 Resp: 313598
Ion Ratio Lower Upper
117 100
82 54.3 42.7 64.1
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion:152 Resp: 132812
Ion Ratio Lower Upper
152 100
115 57.8 40.5 121.5
150 155.9 0.0 347.0

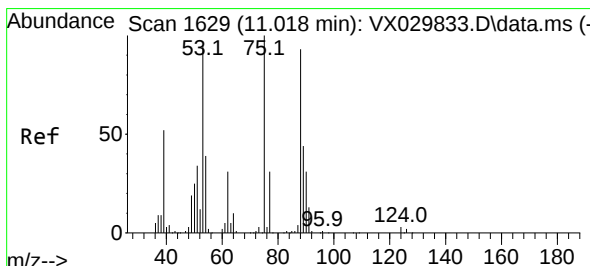
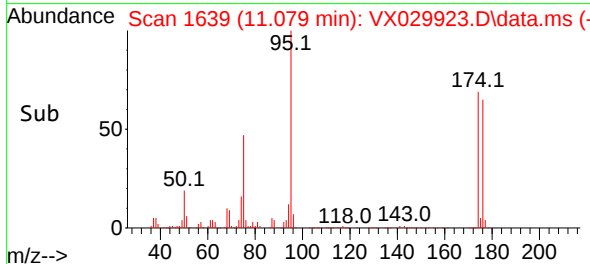
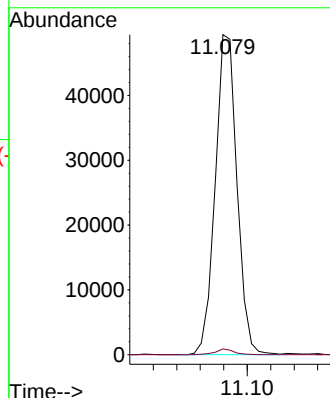
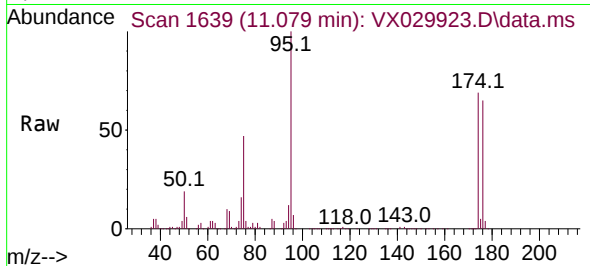




#76
1,2,3-Trichloropropane
Concen: 19.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#09

Tgt Ion: 75 Resp: 63577
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.506 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029923.D
Acq: 05 Jul 2022 16:15

Tgt Ion: 75 Resp: 63577
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

