

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029302.D
 Acq On : 08 Jun 2022 02:40
 Operator : JC/MD
 Sample : PB145355ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#06

Quant Time: Jun 08 03:20:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

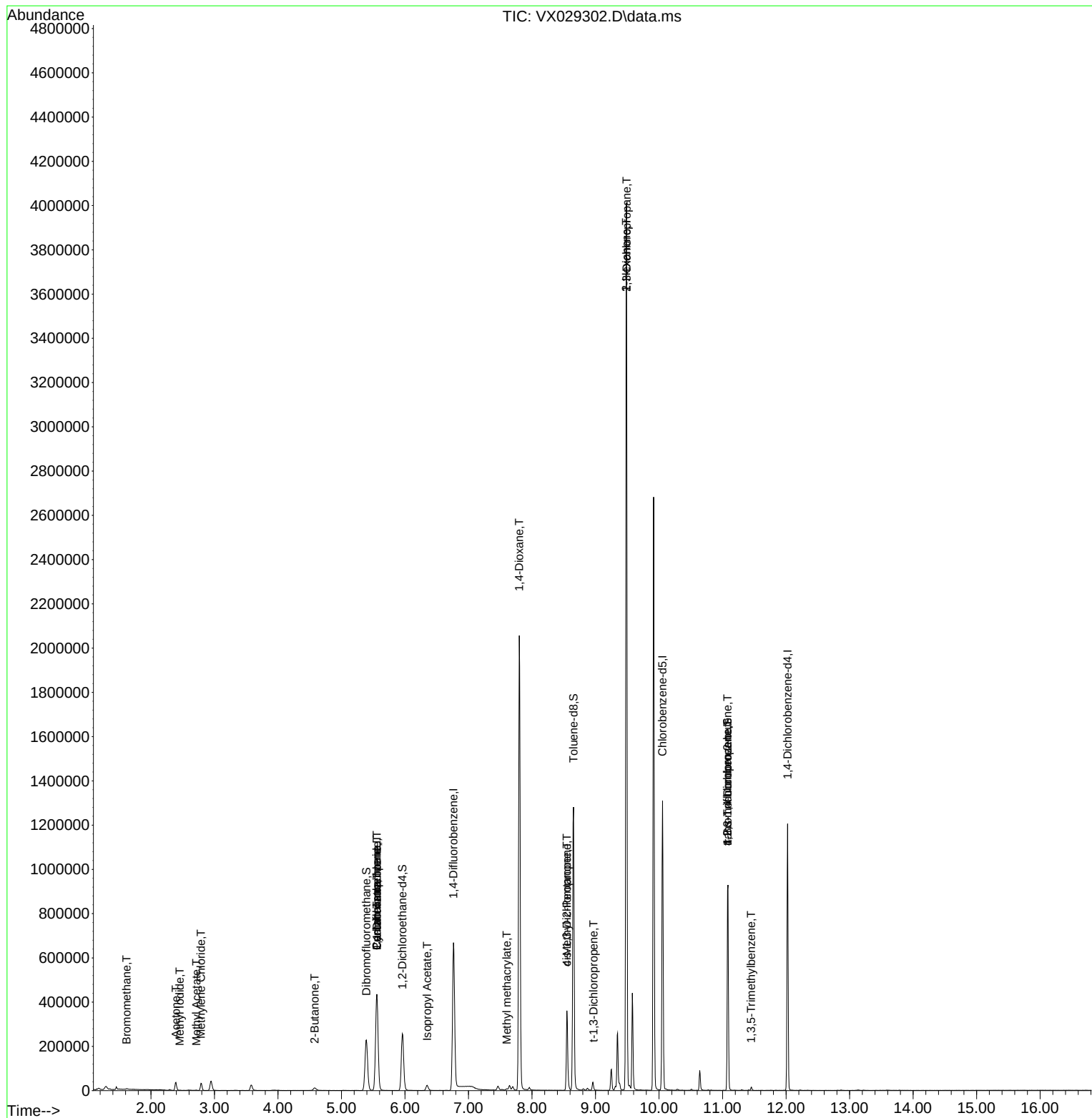
Internal Standards						
1) Pentafluorobenzene	5.556	168	402420	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	677253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	585855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	241309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	250673	40.591	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	81.180%		
35) Dibromofluoromethane	5.391	113	204026	35.436	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	70.880%		
50) Toluene-d8	8.653	98	773746	37.998	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	76.000%		
62) 4-Bromofluorobenzene	11.079	95	269031	33.761	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	67.520%		
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	1113	0.294	ug/l	86
6) Chloroethane	1.691	64	312	Below Cal	#	43
10) Methyl Iodide	2.453	142	614	1.313	ug/l	# 80
11) Tert butyl alcohol	2.947	59	25540	Below Cal	#	76
16) Acetone	2.392	43	42016	12.906	ug/l	98
18) Methyl Acetate	2.715	43	1764	0.205	ug/l	# 85
20) Methylene Chloride	2.788	84	15170	2.087	ug/l	98
25) 2-Butanone	4.574	43	5619	1.091	ug/l	97
31) Cyclohexane	5.556	56	8248	0.756	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	32024	3.367	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	43438	4.468	ug/l	# 17
41) Methacrylonitrile	5.025	41	288	Below Cal	#	18
43) Isopropyl Acetate	6.348	43	31423	2.130	ug/l	97
48) Methyl methacrylate	7.604	41	9096	1.226	ug/l	# 7
49) 1,4-Dioxane	7.799	88	489	2.563	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	115579	11.974	ug/l	# 46
53) t-1,3-Dichloropropene	8.970	75	173	1.333	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	59372	5.556	ug/l	# 66
57) 1,3-Dichloropropane	9.488	76	38882	3.137	ug/l	# 43
59) 2-Hexanone	9.482	43	454896	61.982	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	132226	23.460	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	6504	0.403	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	132226	71.946	ug/l	# 15

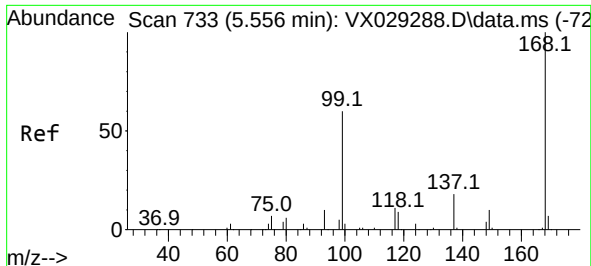
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

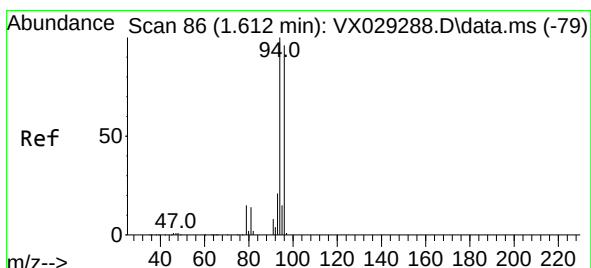
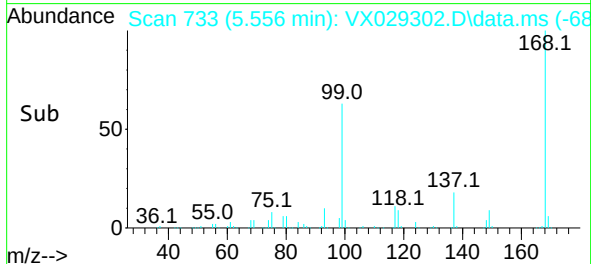
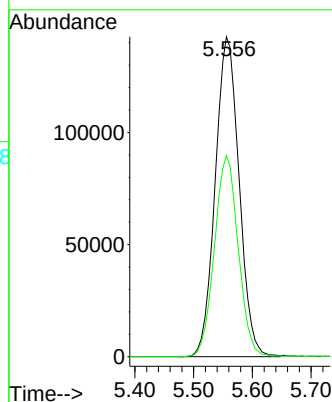
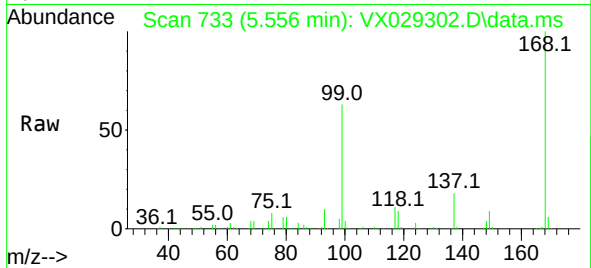




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

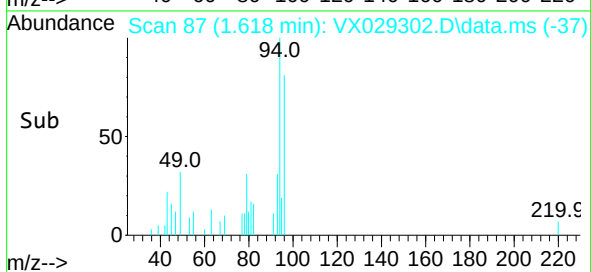
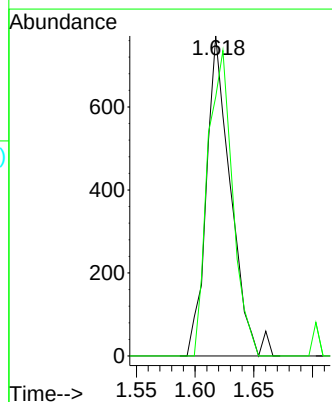
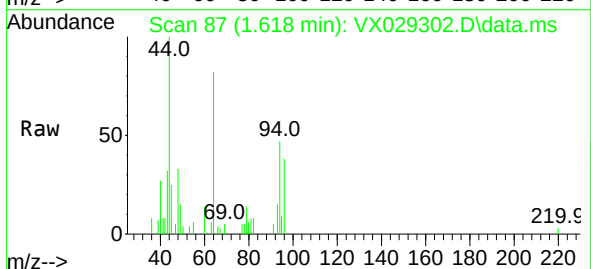
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

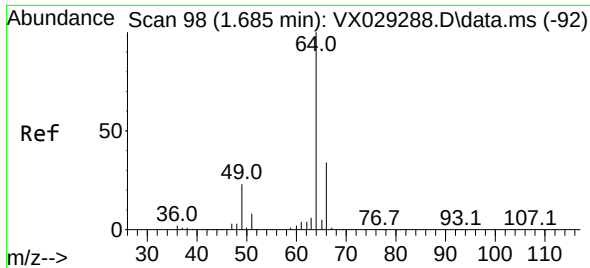
Tgt Ion:168 Resp: 402420
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#5
Bromomethane
Concen: 0.294 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 94 Resp: 1113
Ion Ratio Lower Upper
94 100
96 80.9 75.3 112.9

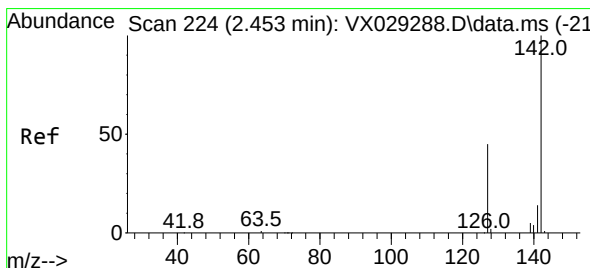
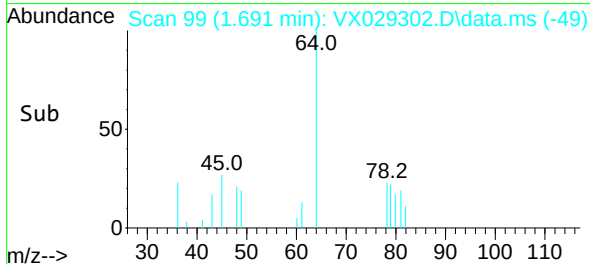
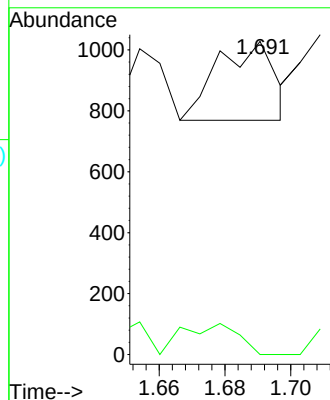
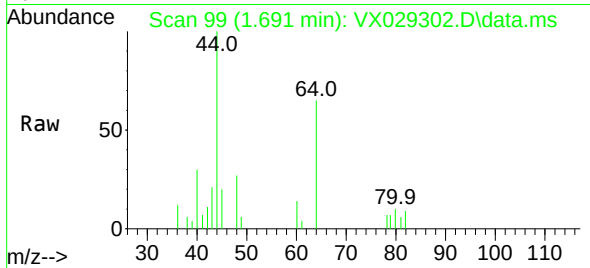




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

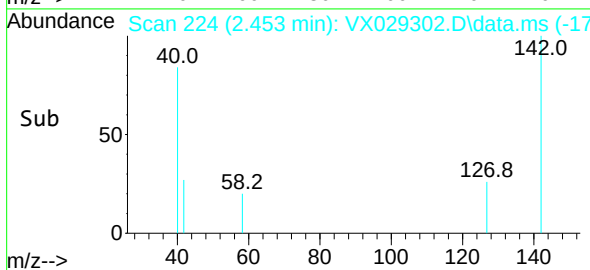
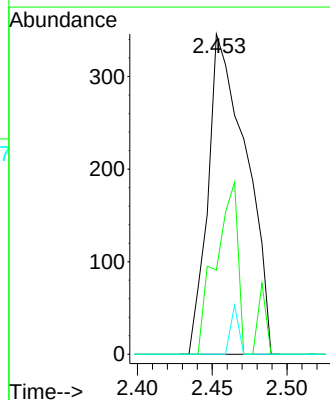
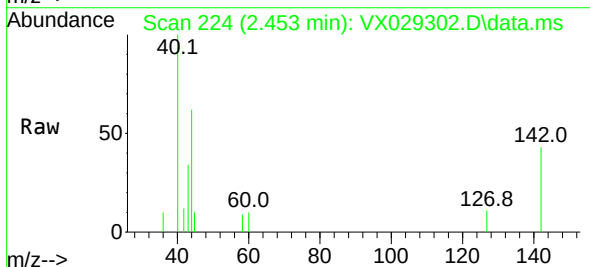
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

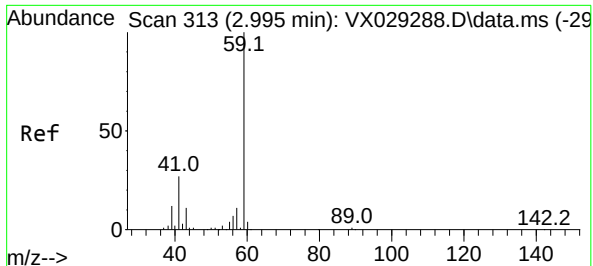
Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.313 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 142 Resp: 614
Ion Ratio Lower Upper
142 100
127 31.3 33.9 50.9#
141 3.1 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

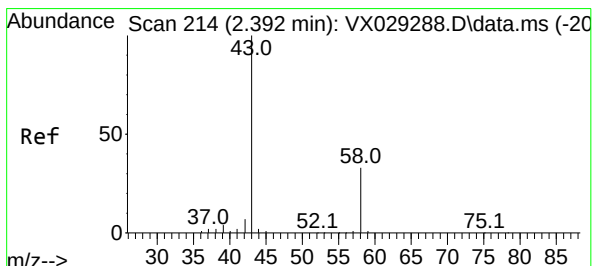
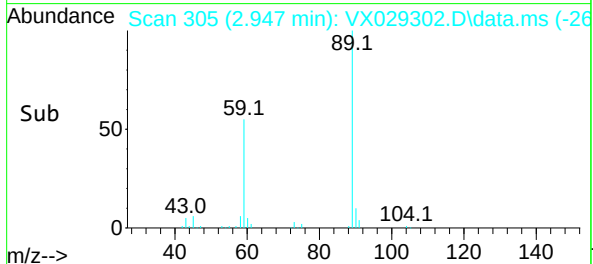
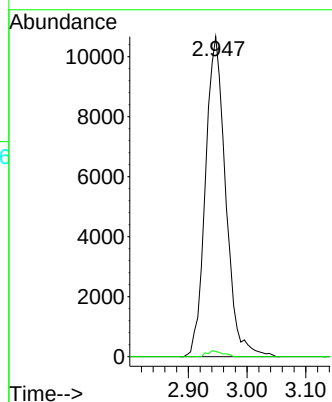
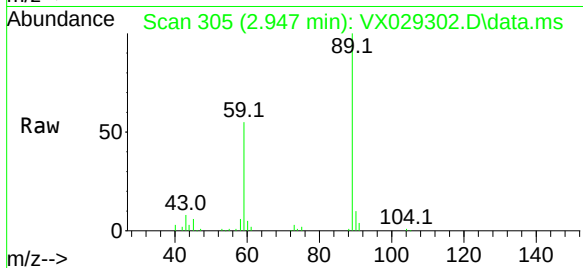
PB145355ZHE#06

Tgt Ion: 59 Resp: 25540

Ion Ratio Lower Upper

59 100

57 1.4 8.3 12.5#



#16

Acetone

Concen: 12.906 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX029302.D

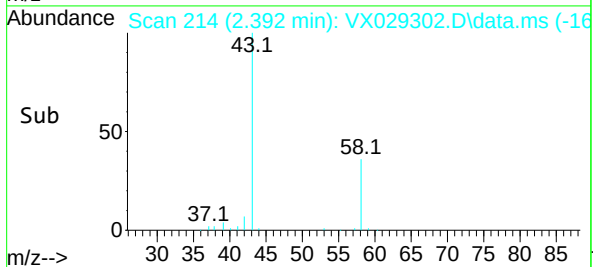
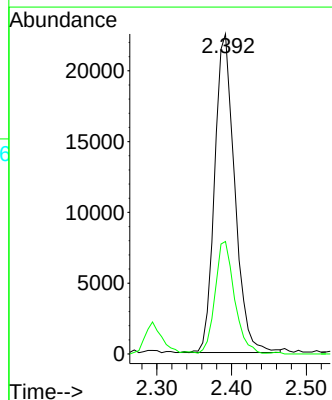
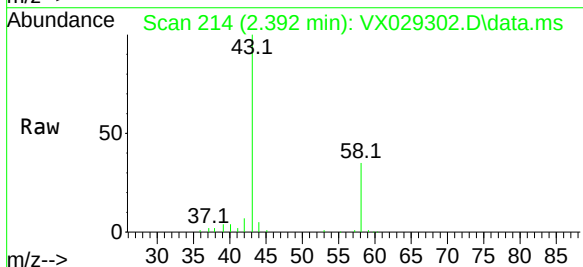
Acq: 08 Jun 2022 02:40

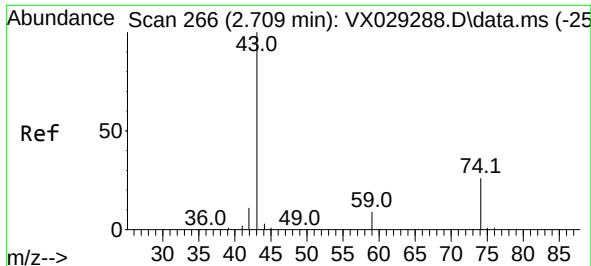
Tgt Ion: 43 Resp: 42016

Ion Ratio Lower Upper

43 100

58 34.9 28.8 43.2

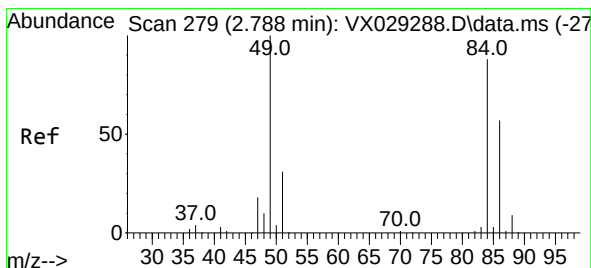
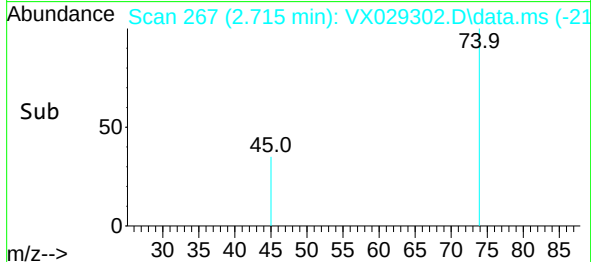
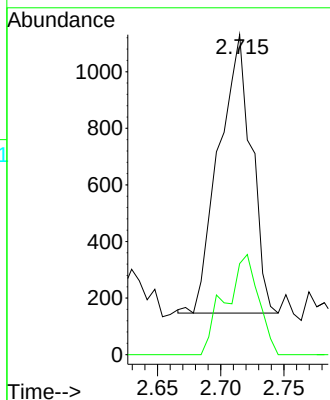
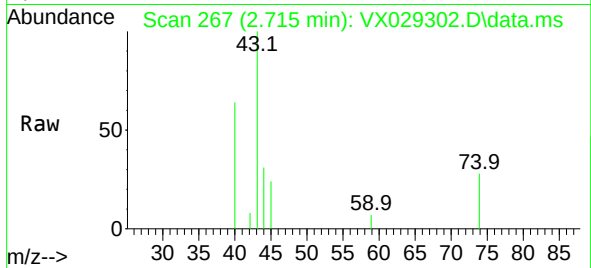




#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

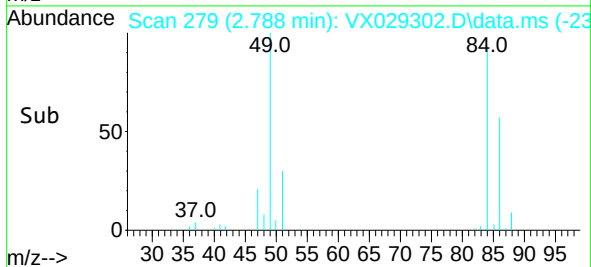
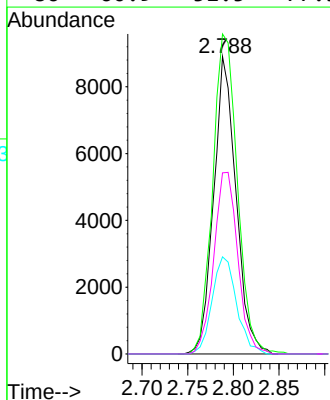
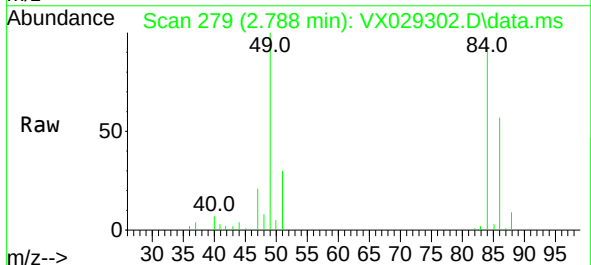
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

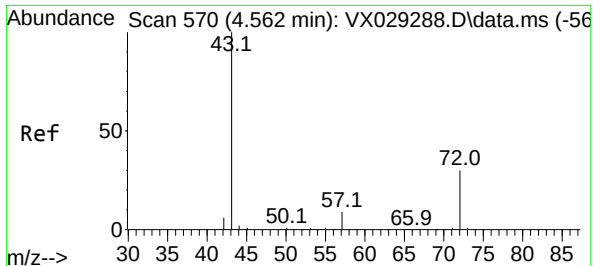
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
74 36.7 22.8 34.2#



#20
Methylene Chloride
Concen: 2.087 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 84 Resp: 15170
Ion Ratio Lower Upper
84 100
49 107.6 85.5 128.3
51 32.7 26.6 39.8
86 60.9 51.5 77.3





#25

2-Butanone

Concen: 1.091 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

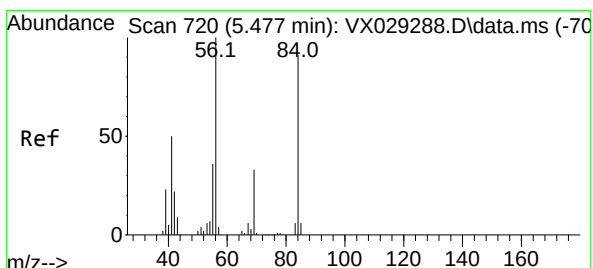
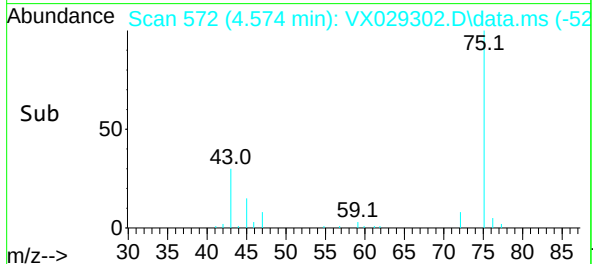
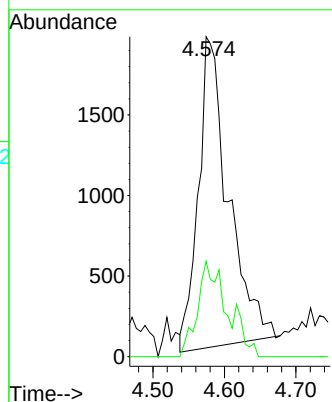
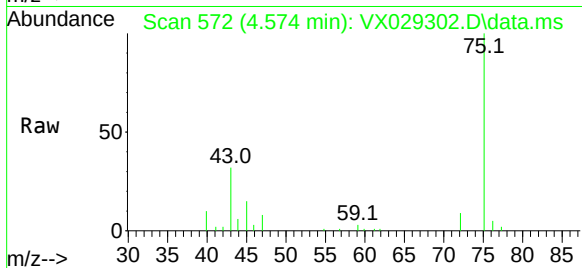
PB145355ZHE#06

Tgt Ion: 43 Resp: 5619

Ion Ratio Lower Upper

43 100

72 31.9 24.4 36.6



#31

Cyclohexane

Concen: 0.756 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

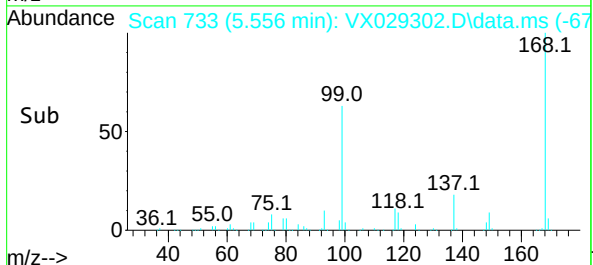
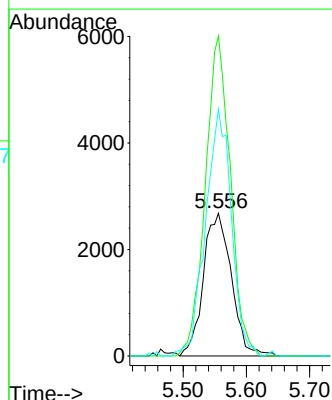
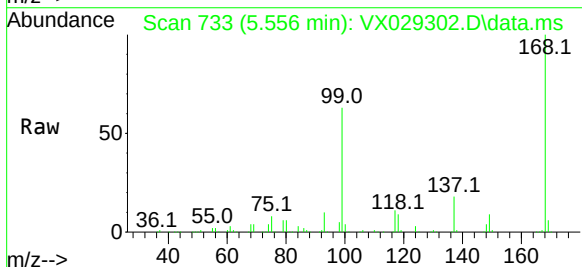
Tgt Ion: 56 Resp: 8248

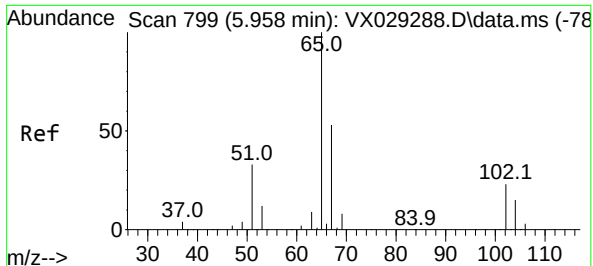
Ion Ratio Lower Upper

56 100

69 224.3 26.7 40.1#

84 172.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 40.591 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

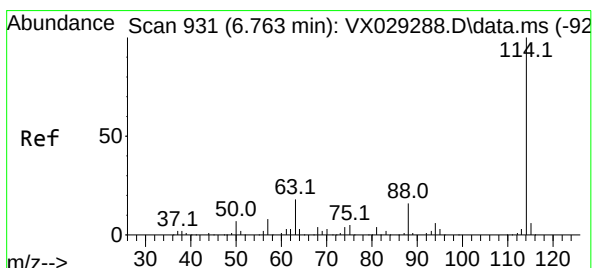
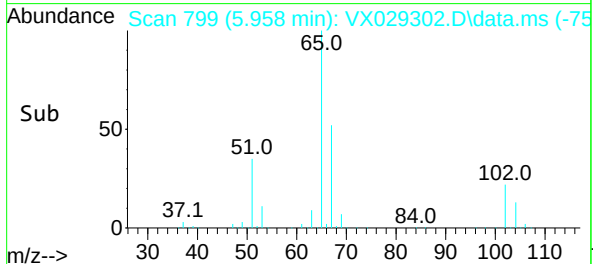
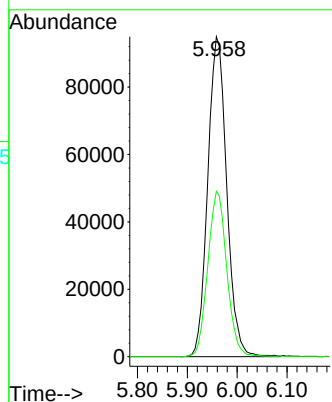
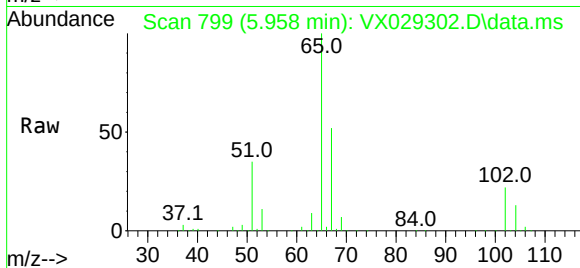
PB145355ZHE#06

Tgt Ion: 65 Resp: 250673

Ion Ratio Lower Upper

65 100

67 51.8 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: VX029302.D

Acq: 08 Jun 2022 02:40

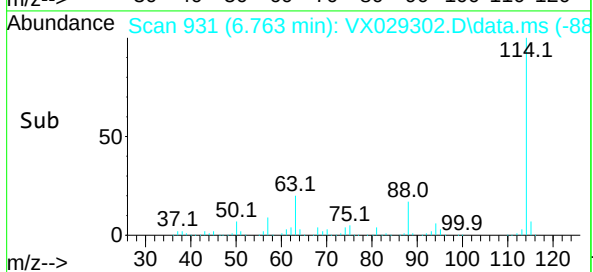
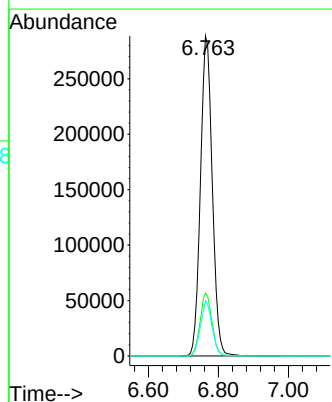
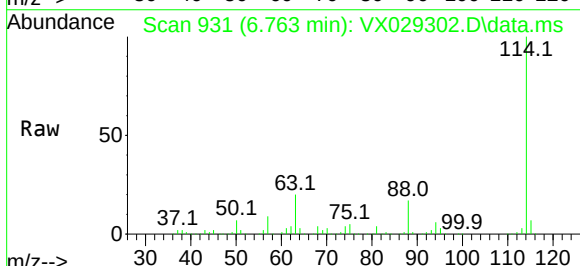
Tgt Ion: 114 Resp: 677253

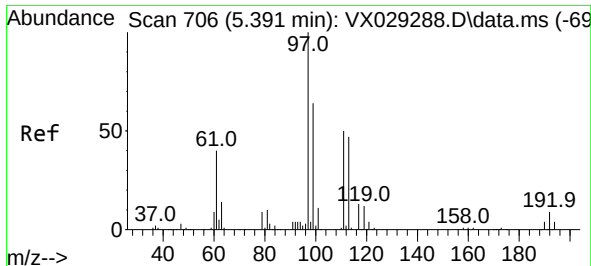
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

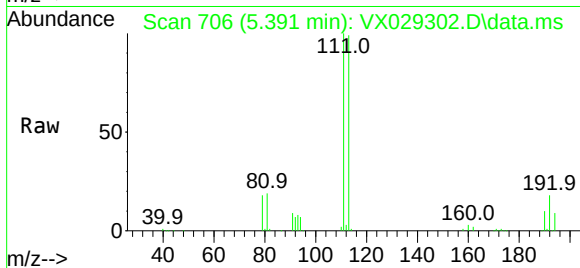
88 17.3 0.0 32.4



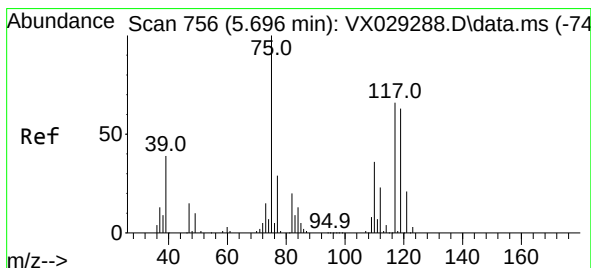
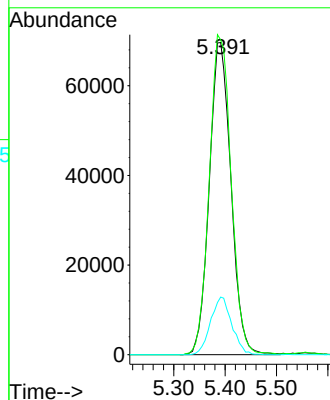
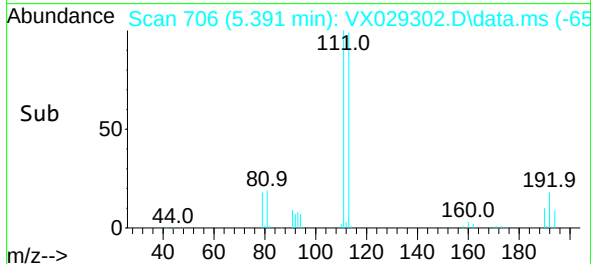


#35
Dibromofluoromethane
Concen: 35.436 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

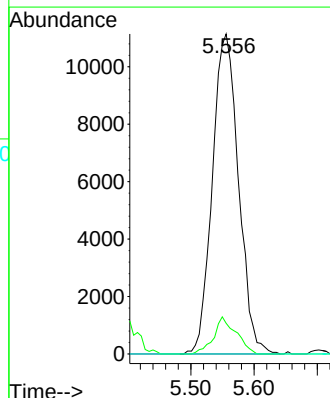
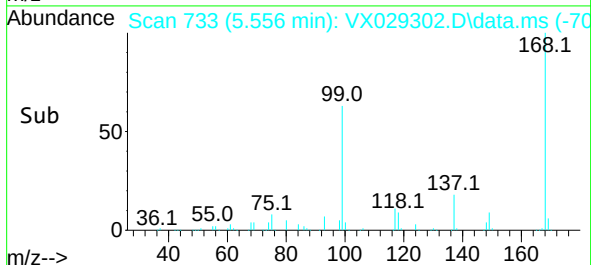
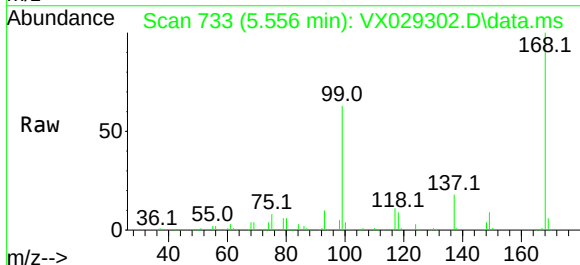


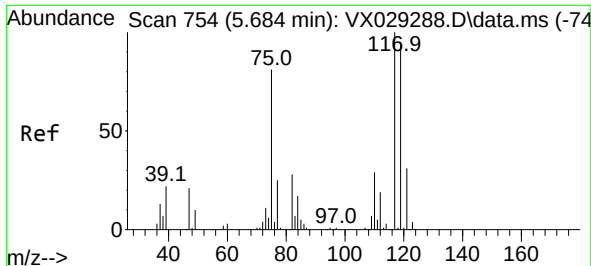
Tgt Ion:113 Resp: 204026
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 18.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.367 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

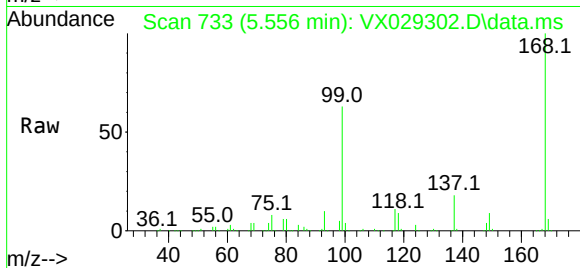
Tgt Ion: 75 Resp: 32024
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



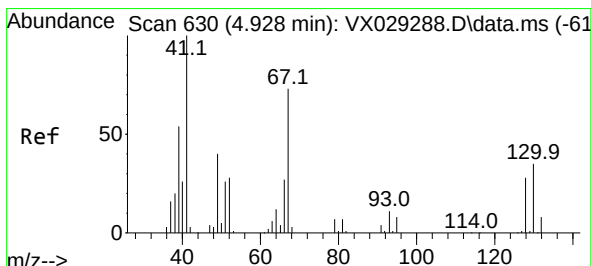
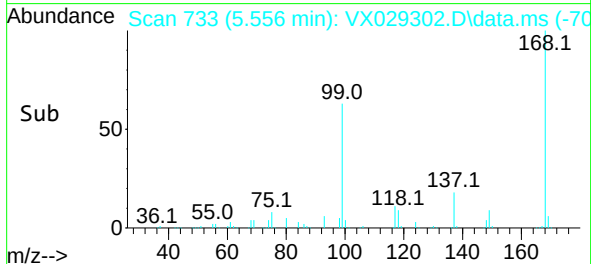
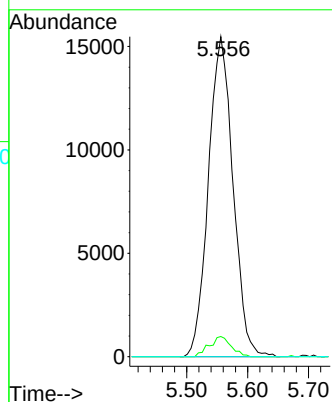


#38
Carbon Tetrachloride
Concen: 4.468 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

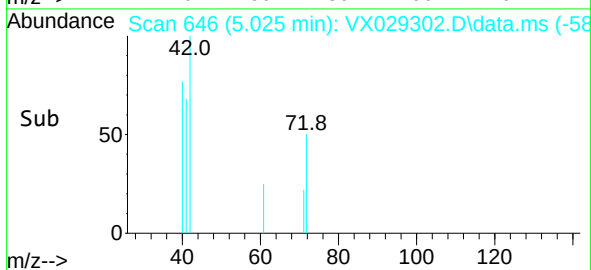
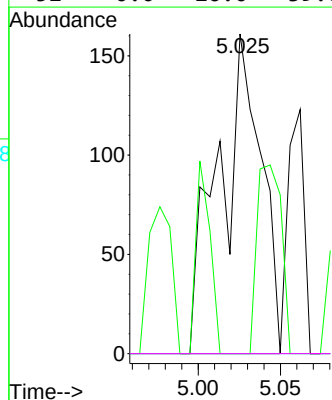
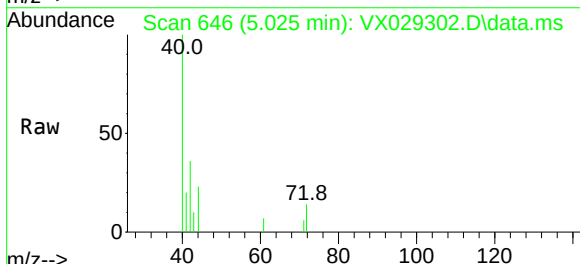


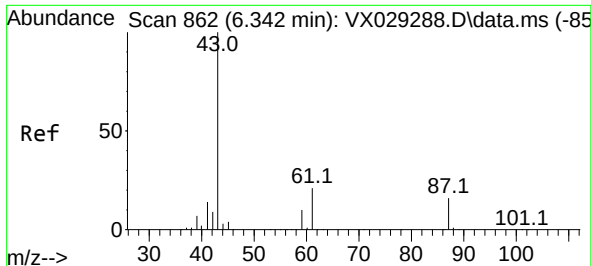
Tgt Ion:117 Resp: 43438
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 41 Resp: 288
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

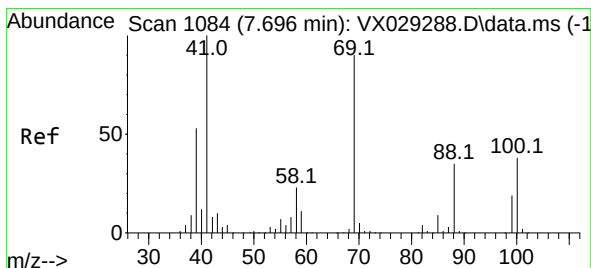
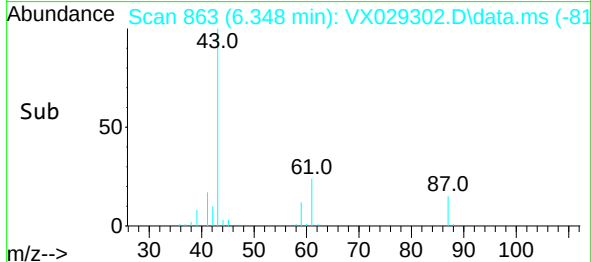
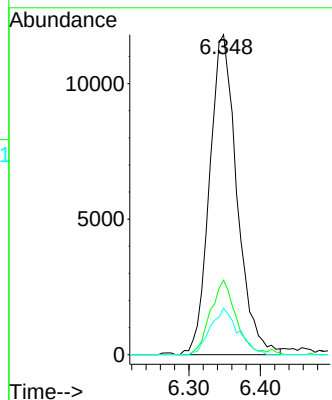
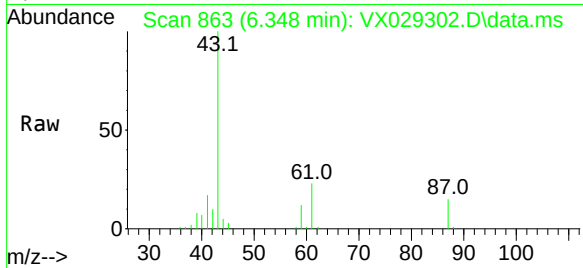




#43
Isopropyl Acetate
Concen: 2.130 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

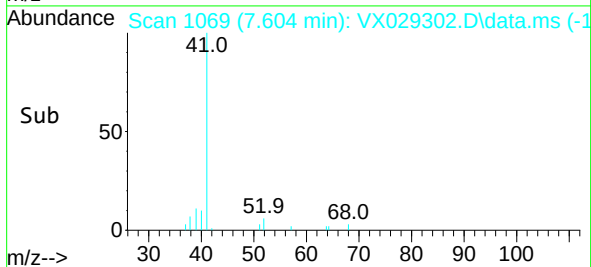
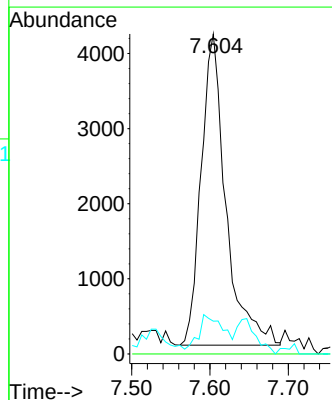
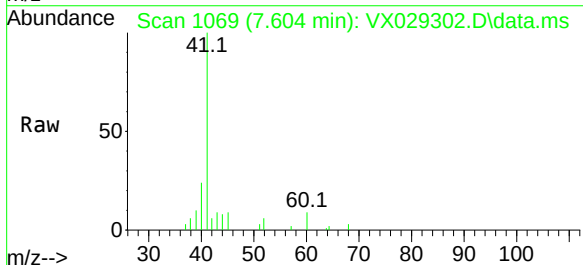
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

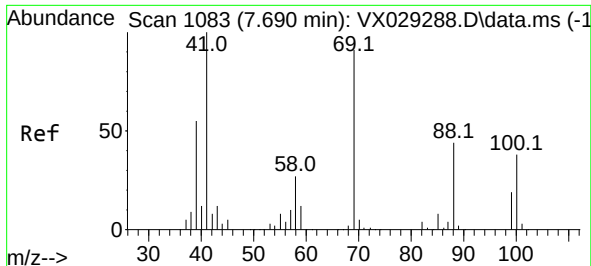
Tgt Ion: 43 Resp: 31423
Ion Ratio Lower Upper
43 100
61 21.7 18.5 27.7
87 14.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.226 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 41 Resp: 9096
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: 2.563 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#06

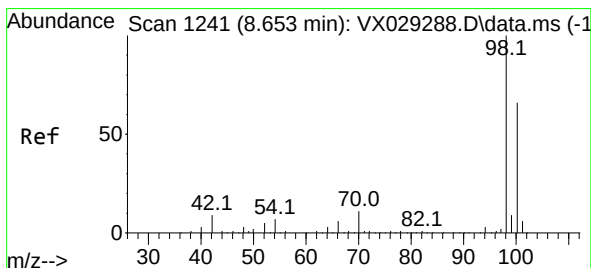
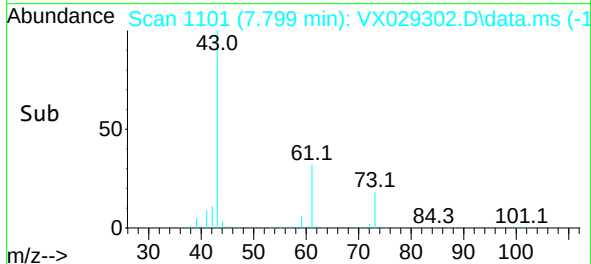
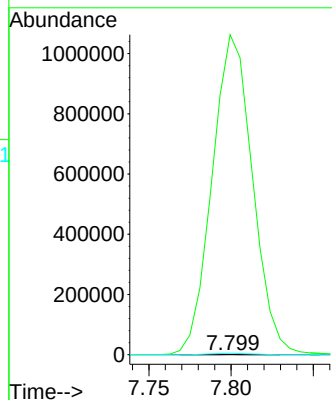
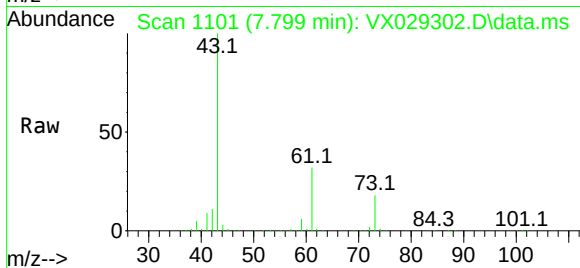
Tgt Ion: 88 Resp: 489

Ion Ratio Lower Upper

88 100

43 374162.8 21.9 32.9#

58 1644.8 53.7 80.5#



#50

Toluene-d8

Concen: 37.998 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029302.D

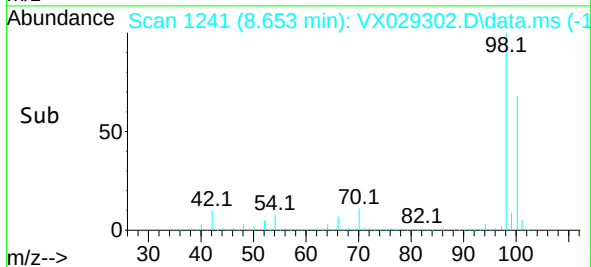
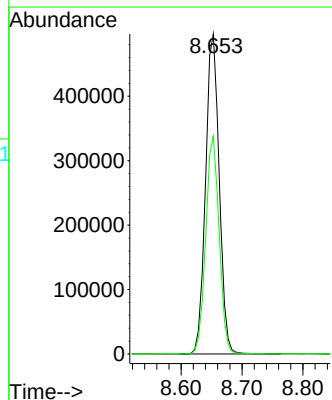
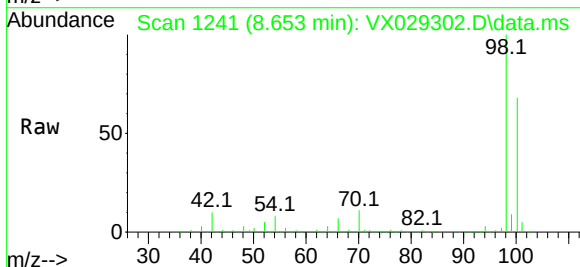
Acq: 08 Jun 2022 02:40

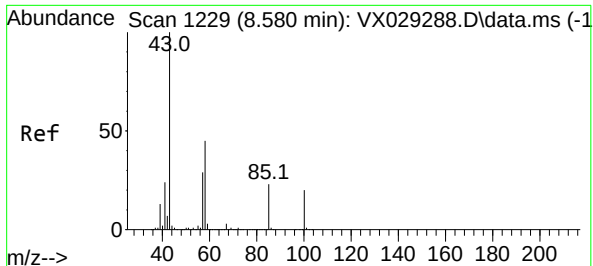
Tgt Ion: 98 Resp: 773746

Ion Ratio Lower Upper

98 100

100 67.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 11.974 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

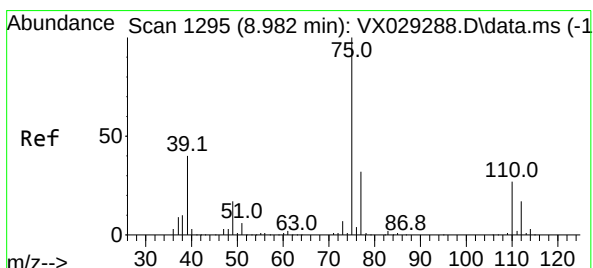
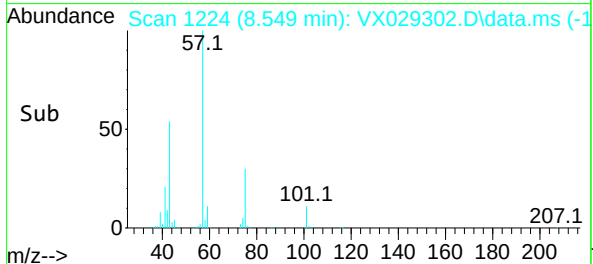
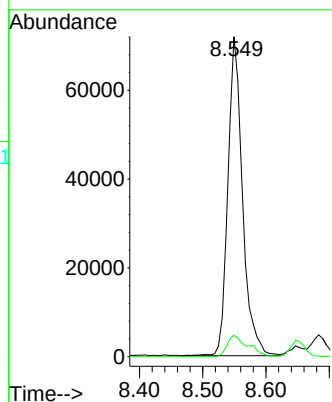
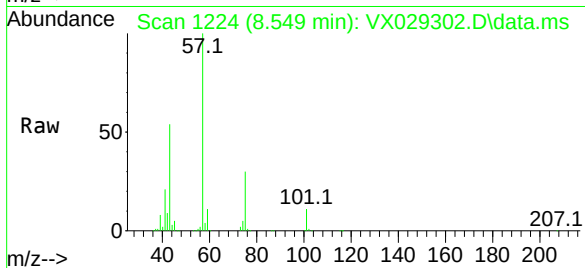
PB145355ZHE#06

Tgt Ion: 43 Resp: 115579

Ion Ratio Lower Upper

43 100

58 9.5 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.333 ug/l

RT: 8.970 min Scan# 1293

Delta R.T. -0.012 min

Lab File: VX029302.D

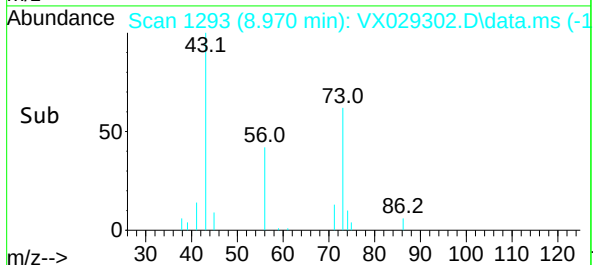
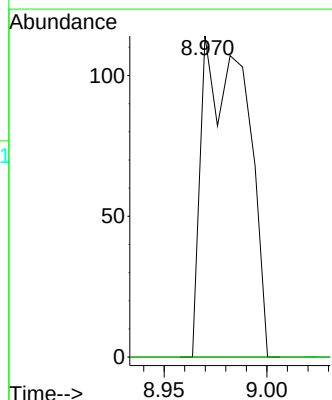
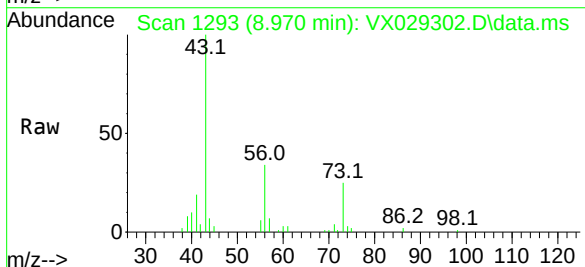
Acq: 08 Jun 2022 02:40

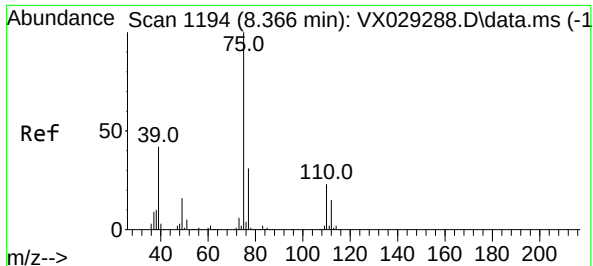
Tgt Ion: 75 Resp: 173

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

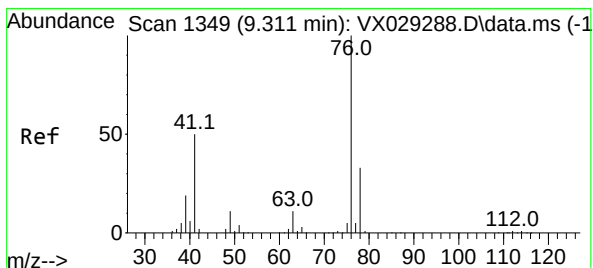
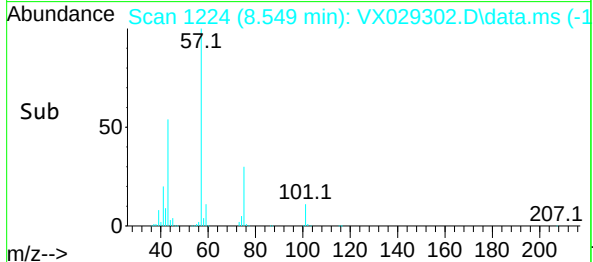
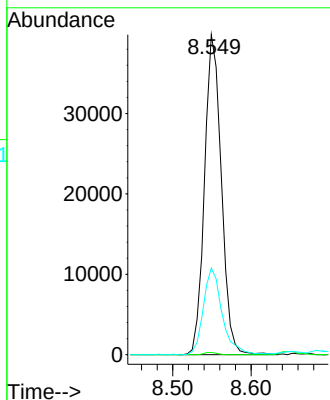
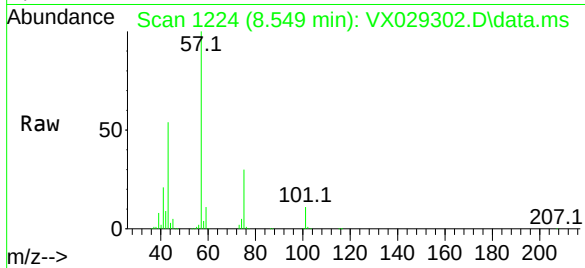




#54
 cis-1,3-Dichloropropene
 Concen: 5.556 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029302.D
 Acq: 08 Jun 2022 02:40

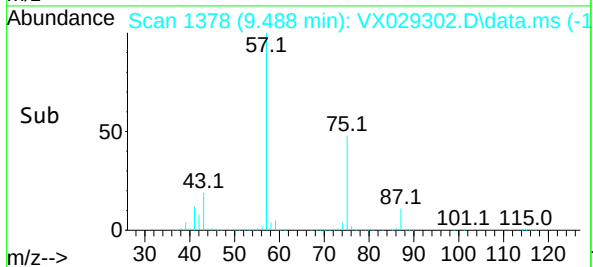
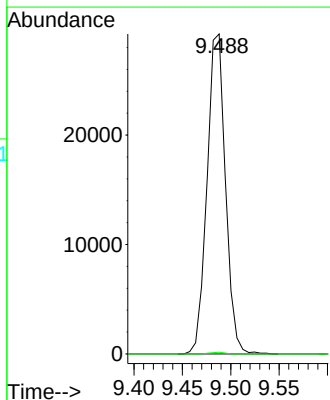
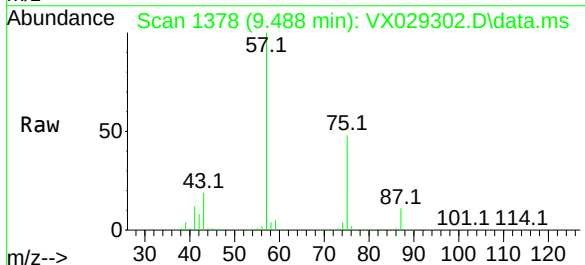
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#06

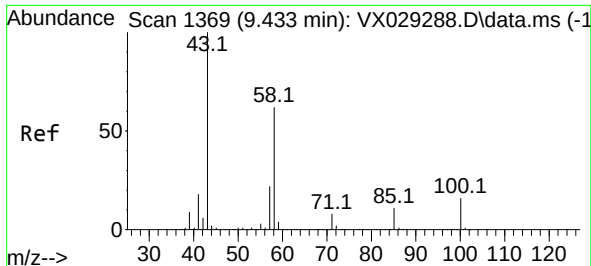
Tgt Ion: 75 Resp: 59372
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 27.1 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 3.137 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX029302.D
 Acq: 08 Jun 2022 02:40

Tgt Ion: 76 Resp: 38882
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 61.982 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

Instrument :

MSVOA_X

ClientSampleId :

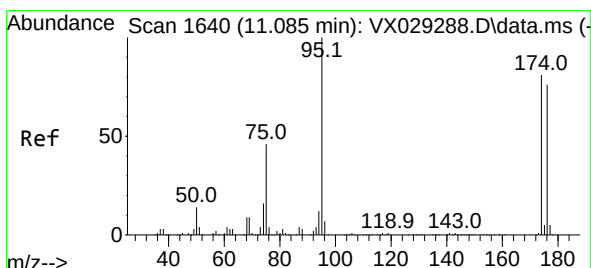
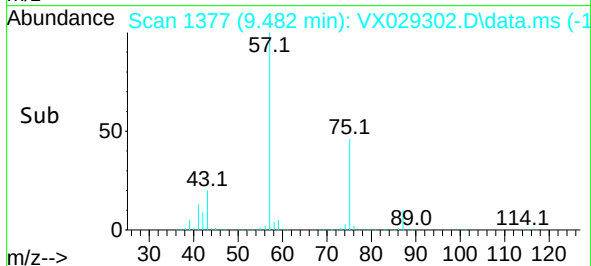
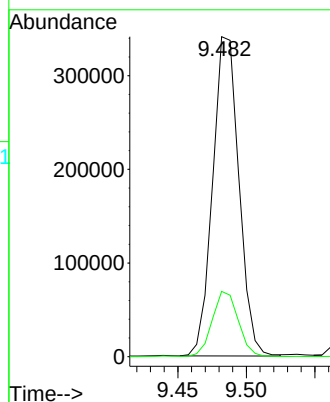
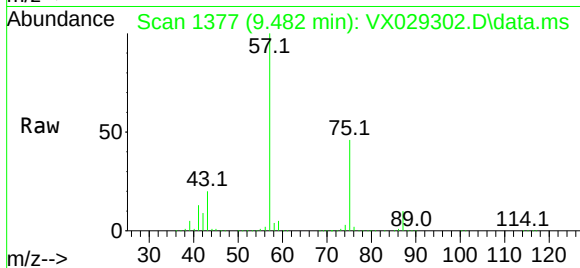
PB145355ZHE#06

Tgt Ion: 43 Resp: 454896

Ion Ratio Lower Upper

43 100

58 20.0 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 33.761 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029302.D

Acq: 08 Jun 2022 02:40

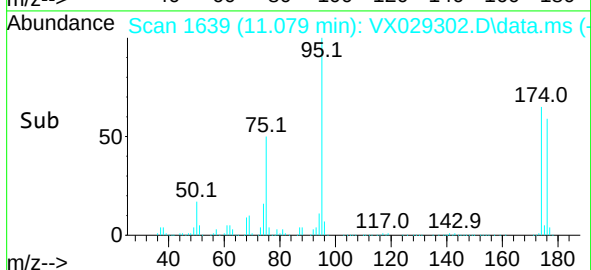
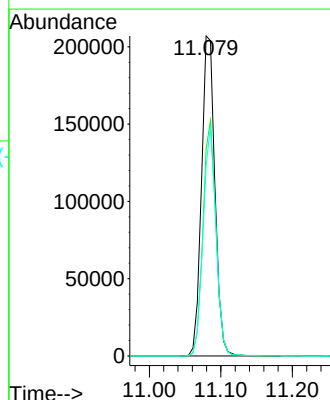
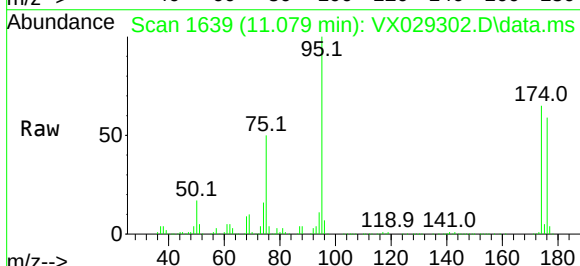
Tgt Ion: 95 Resp: 269031

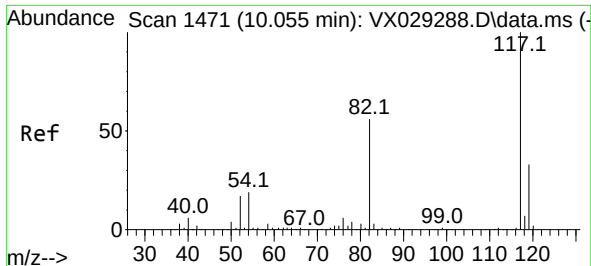
Ion Ratio Lower Upper

95 100

174 71.3 0.0 163.0

176 68.9 0.0 155.0

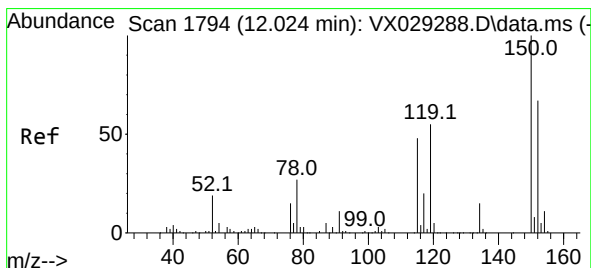
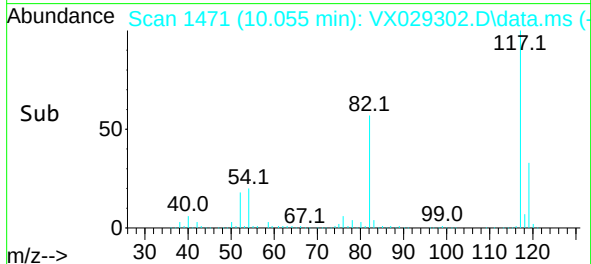
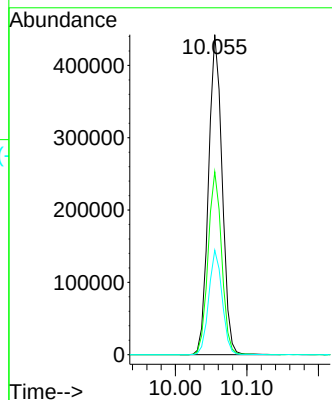
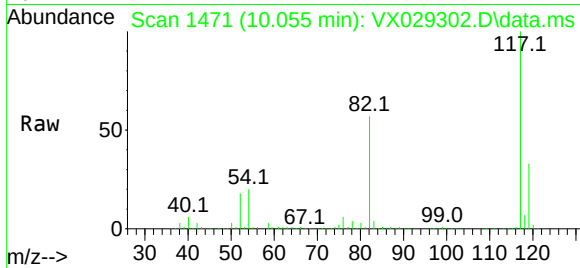




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

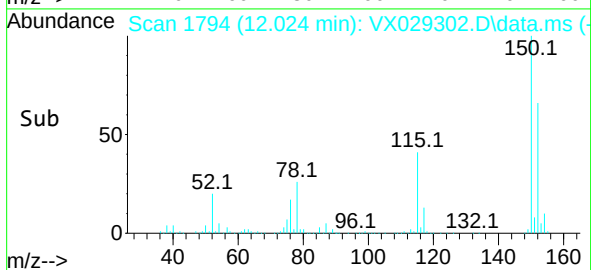
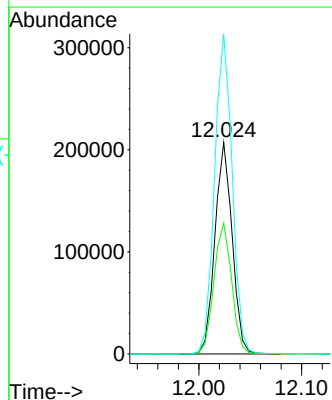
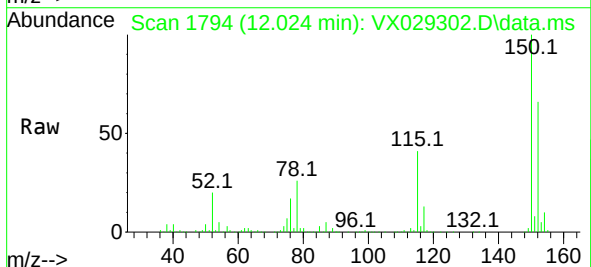
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

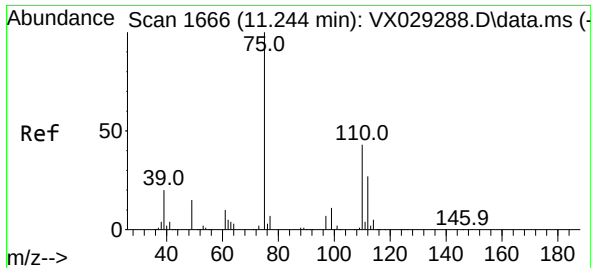
Tgt Ion:117 Resp: 585855
Ion Ratio Lower Upper
117 100
82 57.2 41.8 62.8
119 32.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion:152 Resp: 241309
Ion Ratio Lower Upper
152 100
115 63.5 37.5 112.7
150 154.9 0.0 338.2

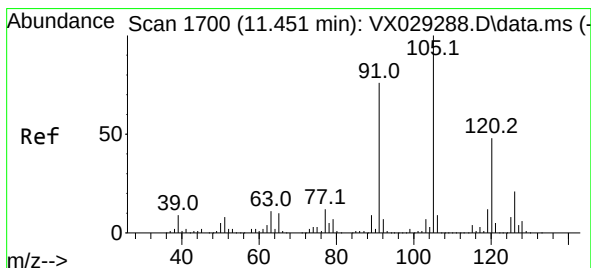
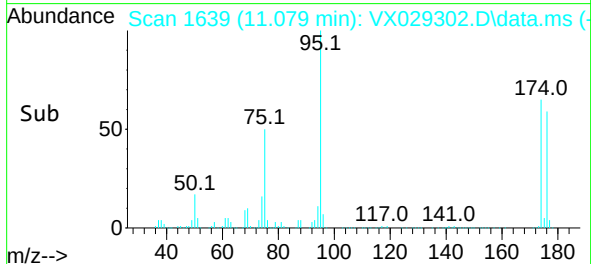
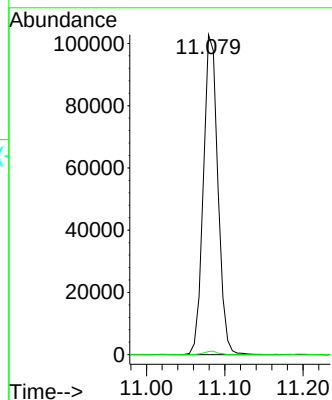
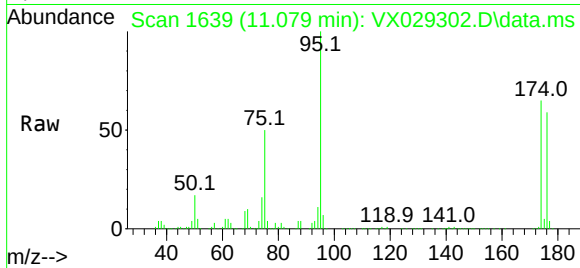




#76
1,2,3-Trichloropropane
Concen: 23.460 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

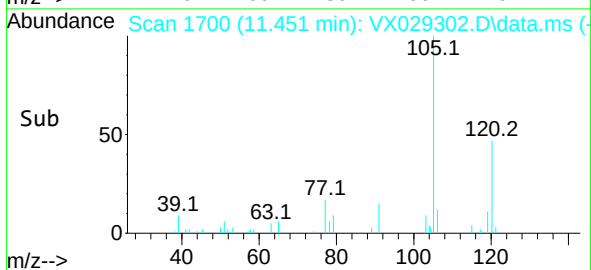
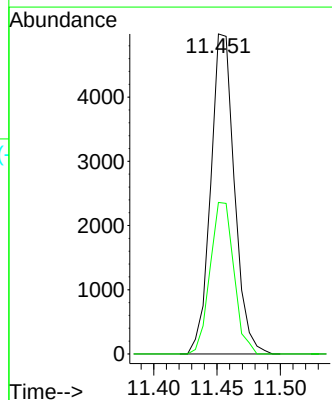
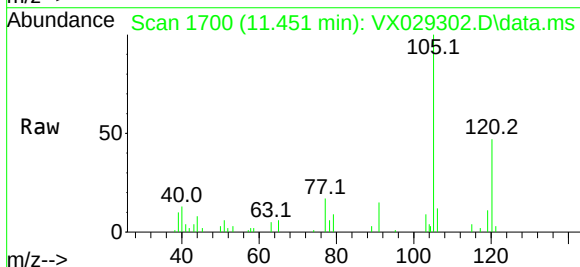
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#06

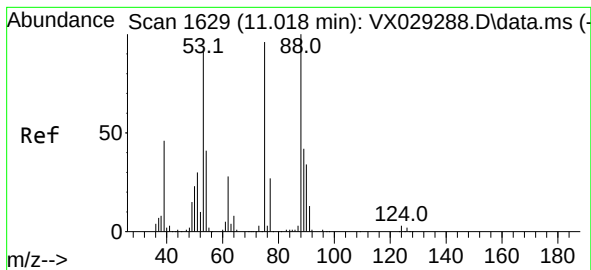
Tgt Ion: 75 Resp: 132226
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.403 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX029302.D
Acq: 08 Jun 2022 02:40

Tgt Ion: 105 Resp: 6504
Ion Ratio Lower Upper
105 100
120 47.4 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.946 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029302.D
 Acq: 08 Jun 2022 02:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#06

Tgt Ion: 75 Resp: 132226
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

