

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029307.D
 Acq On : 08 Jun 2022 04:36
 Operator : JC/MD
 Sample : PB145355ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#11

Quant Time: Jun 08 05:18:03 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)

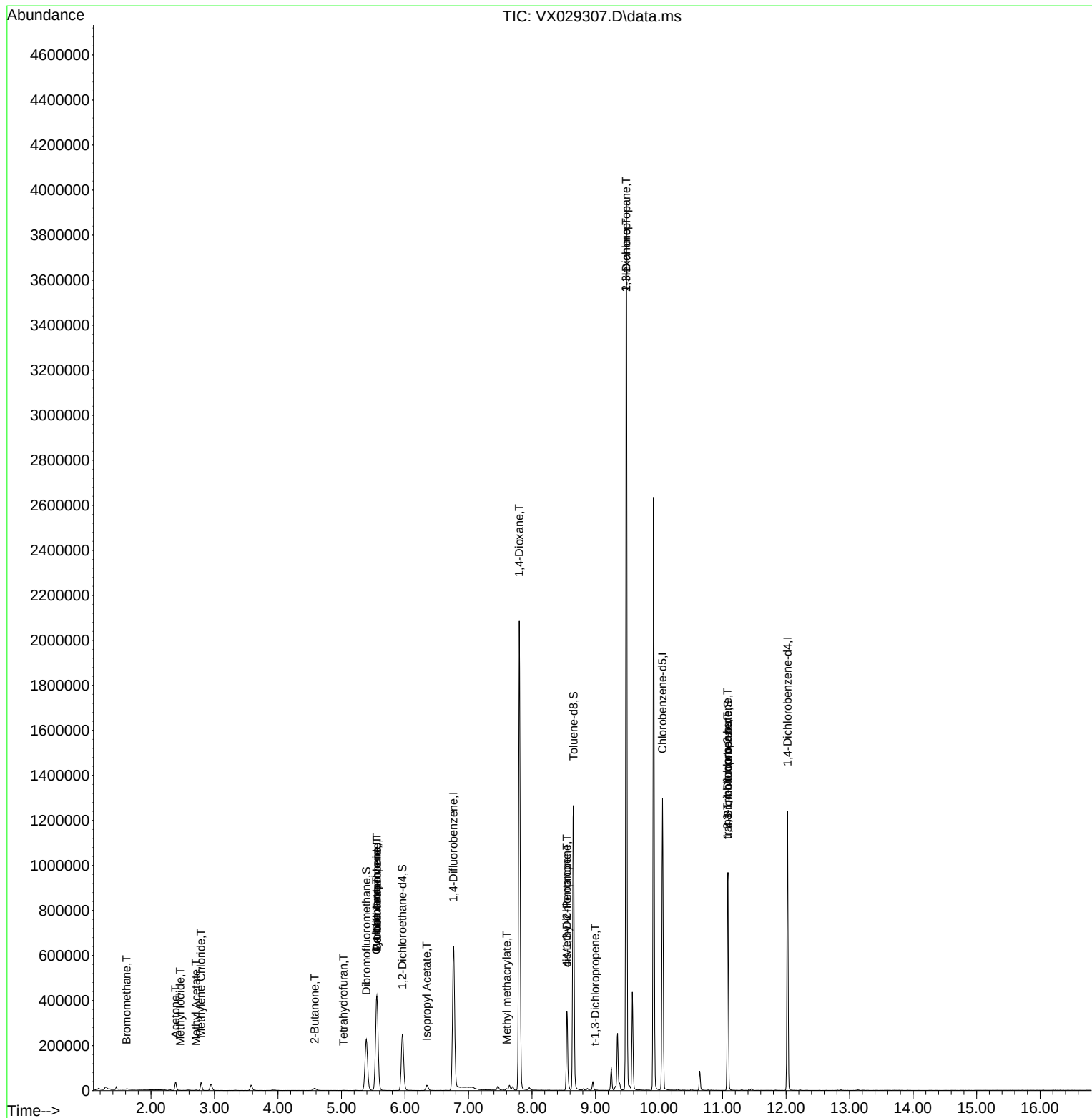
Internal Standards						
1) Pentafluorobenzene	5.556	168	390171	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	660014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	586704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	246292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	246035	41.113	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	82.220%		
35) Dibromofluoromethane	5.391	113	202711	36.127	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	72.260%		
50) Toluene-d8	8.653	98	765118	38.555	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	77.120%		
62) 4-Bromofluorobenzene	11.085	95	274525	35.350	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	70.700%		
Target Compounds						Qvalue
5) Bromomethane	1.618	94	847	0.231	ug/l	96
6) Chloroethane	1.691	64	521	Below Cal	#	43
10) Methyl Iodide	2.459	142	450	1.294	ug/l	# 89
11) Tert butyl alcohol	2.947	59	16833	Below Cal	#	77
16) Acetone	2.386	43	42673	13.520	ug/l	96
18) Methyl Acetate	2.709	43	1876	0.224	ug/l	98
20) Methylene Chloride	2.788	84	15409	2.186	ug/l	96
25) 2-Butanone	4.574	43	5265	1.054	ug/l	96
29) Tetrahydrofuran	5.032	42	695	0.214	ug/l	# 56
31) Cyclohexane	5.550	56	7993	0.756	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	31439	3.392	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	41935	4.426	ug/l	# 15
41) Methacrylonitrile	5.038	41	382	Below Cal	#	24
43) Isopropyl Acetate	6.342	43	31396	2.184	ug/l	96
48) Methyl methacrylate	7.604	41	9250	1.279	ug/l	# 7
49) 1,4-Dioxane	7.799	88	361	1.941	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	114948	12.219	ug/l	# 45
53) t-1,3-Dichloropropene	8.994	75	42	1.320	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	58461	5.614	ug/l	# 67
57) 1,3-Dichloropropane	9.482	76	37423	3.099	ug/l	# 44
59) 2-Hexanone	9.482	43	454068	63.485	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	134698	23.415	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	134698	71.813	ug/l	# 15

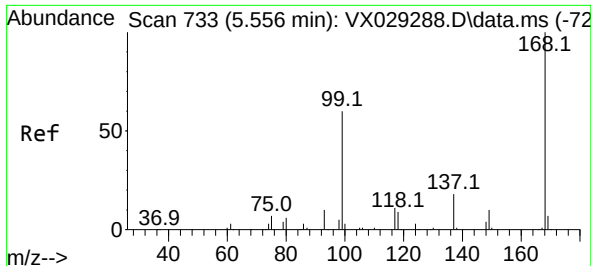
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
Data File : VX029307.D
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Operator : JC/MD
Sample : PB145355ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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Quant Time: Jun 08 05:18:03 2022
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Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

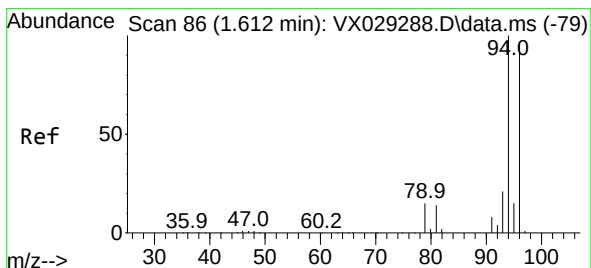
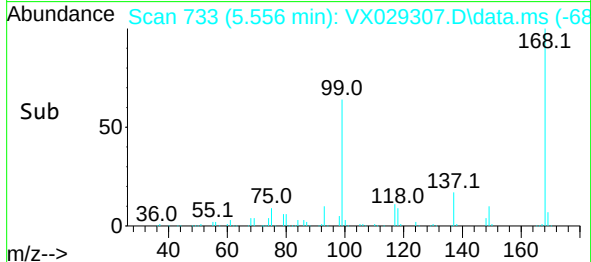
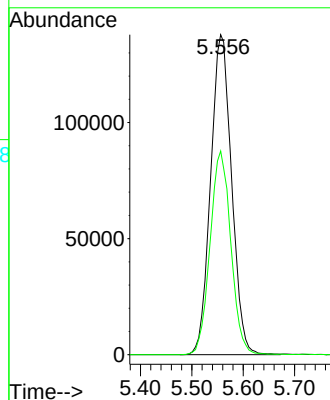
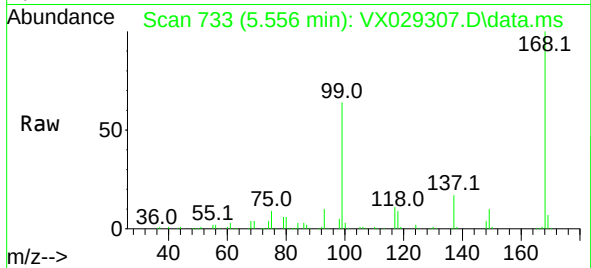




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

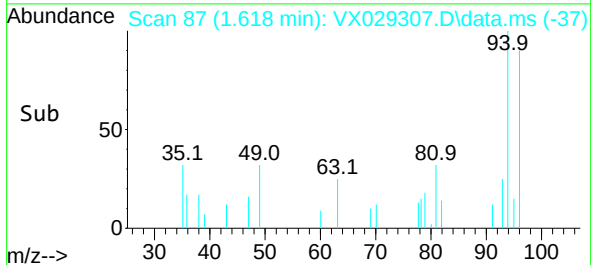
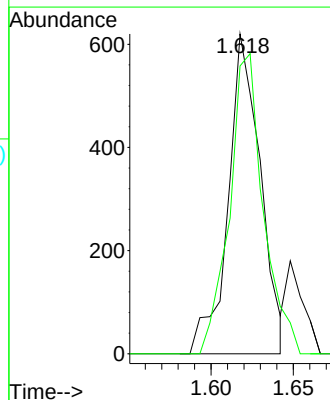
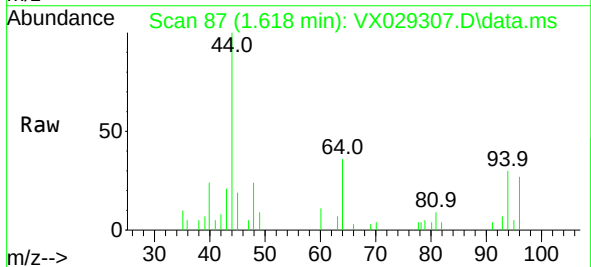
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

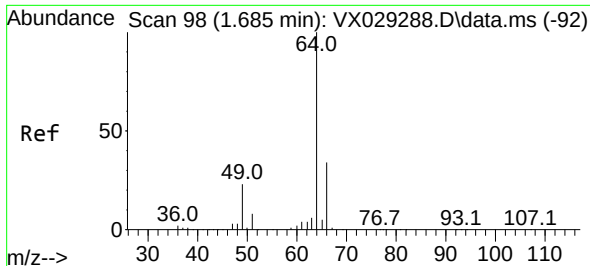
Tgt Ion:168 Resp: 390171
Ion Ratio Lower Upper
168 100
99 63.7 41.7 62.5#



#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 94 Resp: 847
Ion Ratio Lower Upper
94 100
96 90.0 75.3 112.9

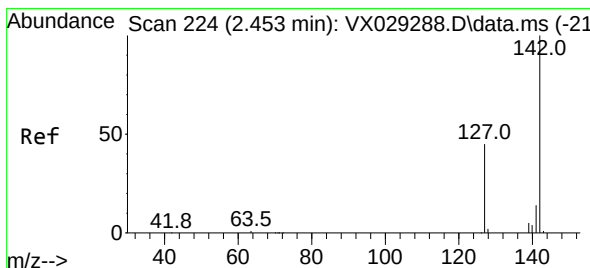
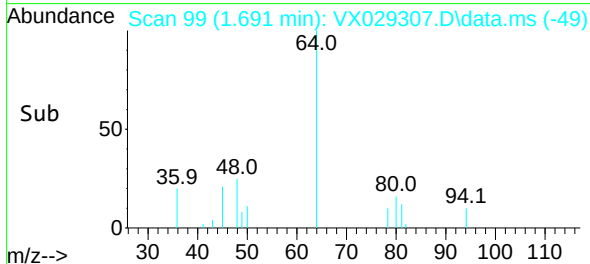
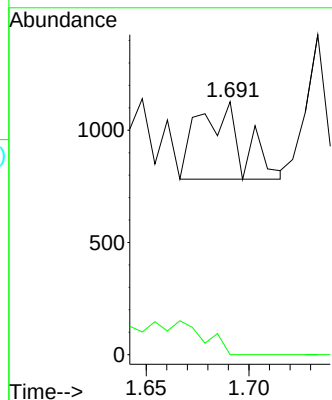
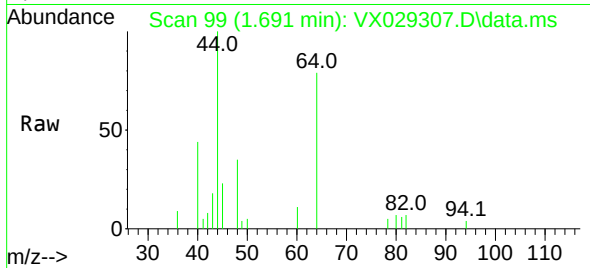




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

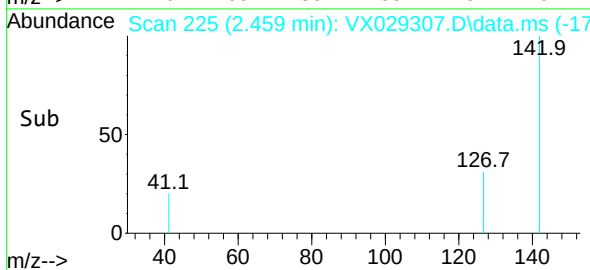
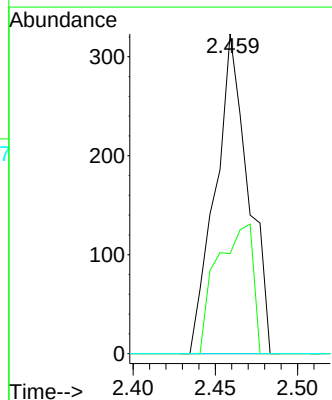
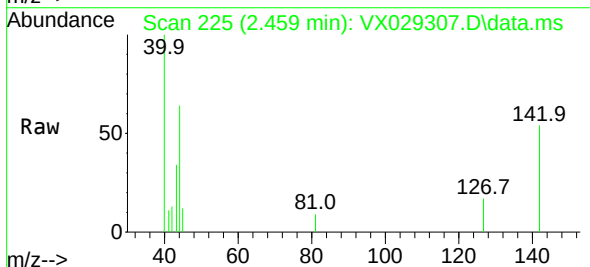
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

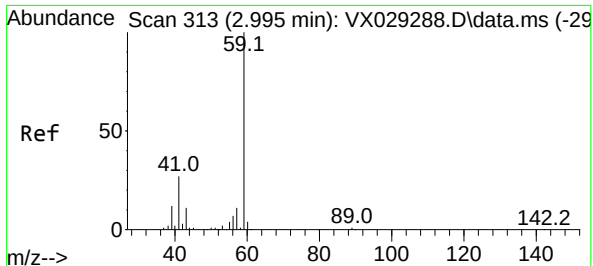
Tgt Ion: 64 Resp: 521
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.294 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 142 Resp: 450
Ion Ratio Lower Upper
142 100
127 44.2 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.048 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

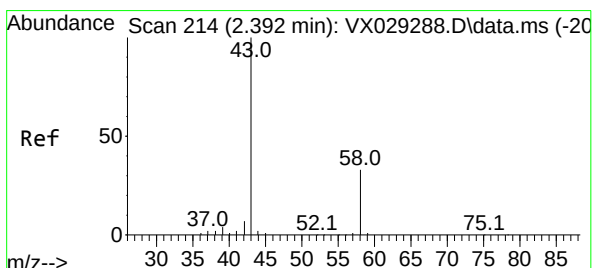
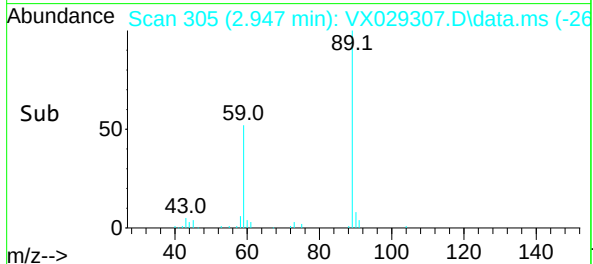
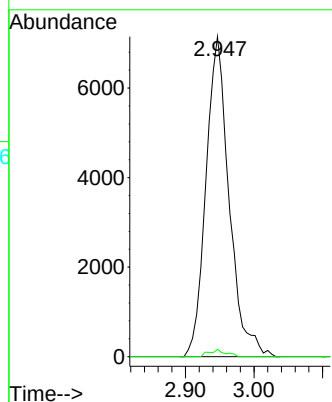
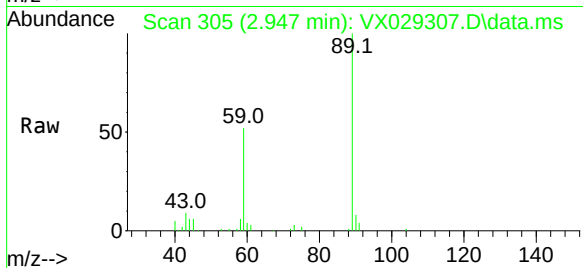
PB145355ZHE#11

Tgt Ion: 59 Resp: 16833

Ion Ratio Lower Upper

59 100

57 1.6 8.3 12.5#



#16

Acetone

Concen: 13.520 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX029307.D

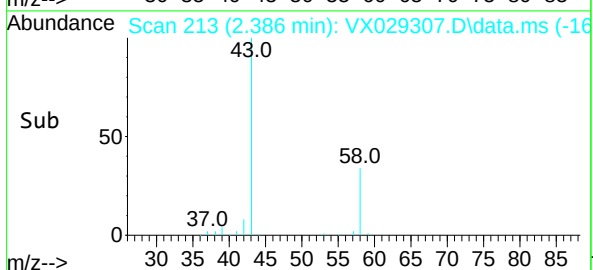
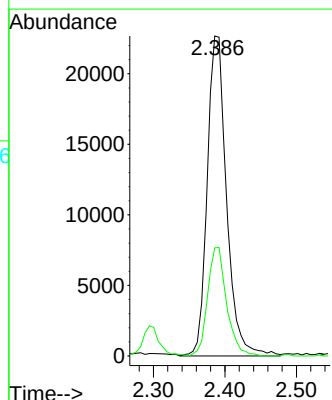
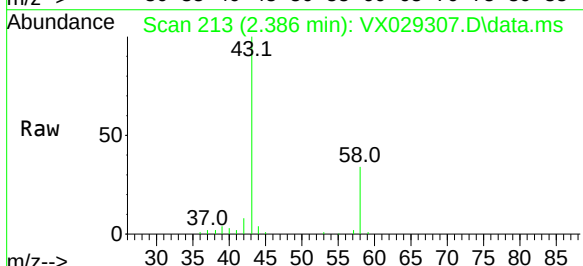
Acq: 08 Jun 2022 04:36

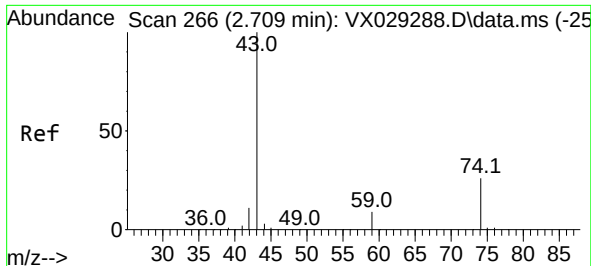
Tgt Ion: 43 Resp: 42673

Ion Ratio Lower Upper

43 100

58 33.8 28.8 43.2

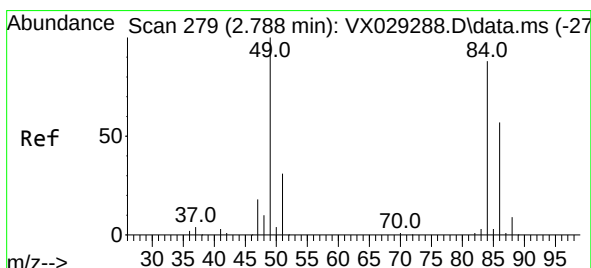
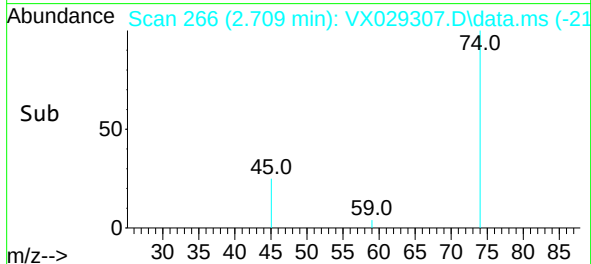
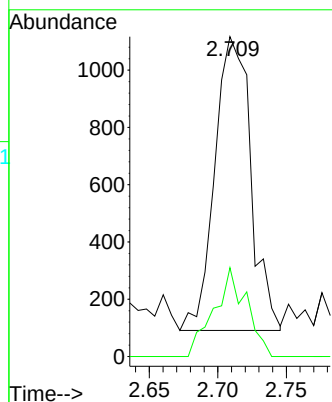
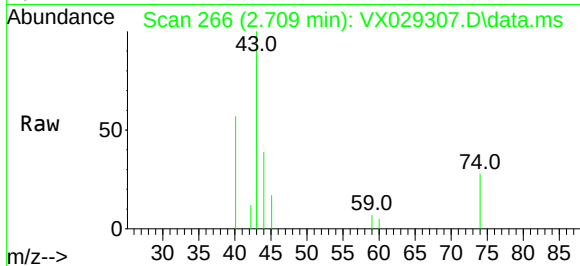




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

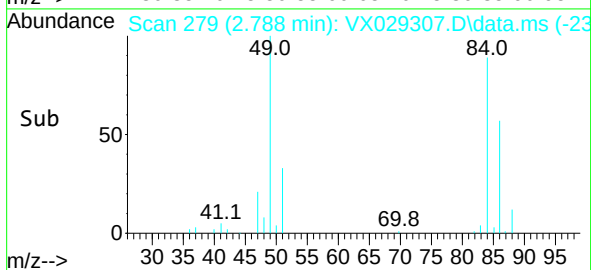
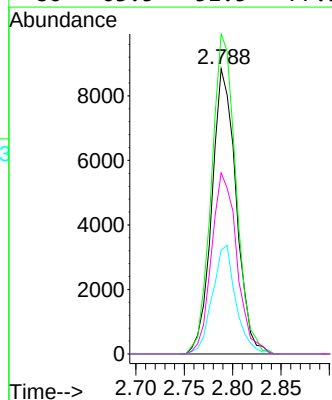
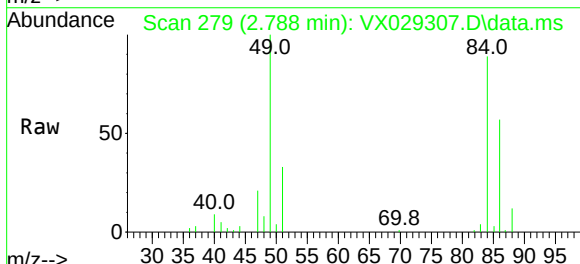
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

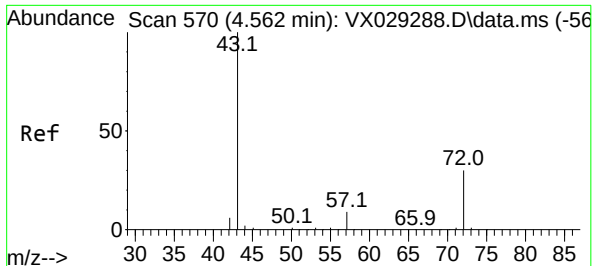
Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
74 27.3 22.8 34.2



#20
Methylene Chloride
Concen: 2.186 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 84 Resp: 15409
Ion Ratio Lower Upper
84 100
49 112.2 85.5 128.3
51 36.5 26.6 39.8
86 63.5 51.5 77.3





#25

2-Butanone

Concen: 1.054 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

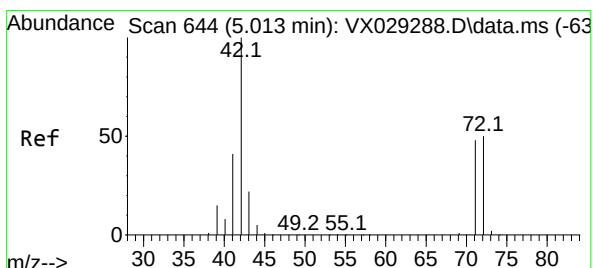
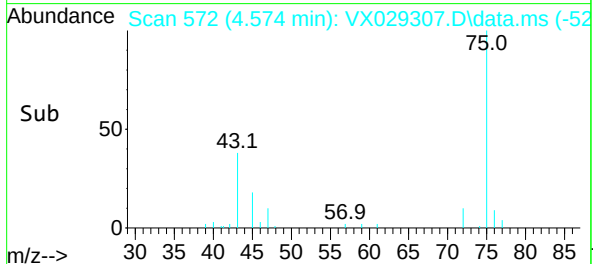
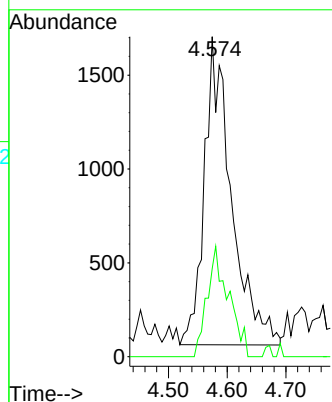
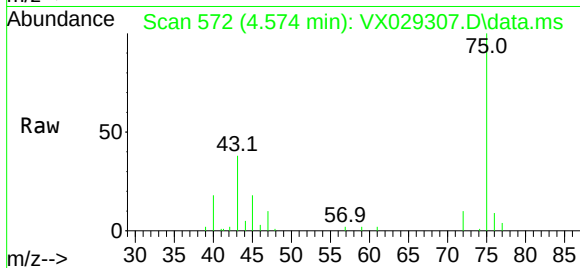
PB145355ZHE#11

Tgt Ion: 43 Resp: 5265

Ion Ratio Lower Upper

43 100

72 28.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.214 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

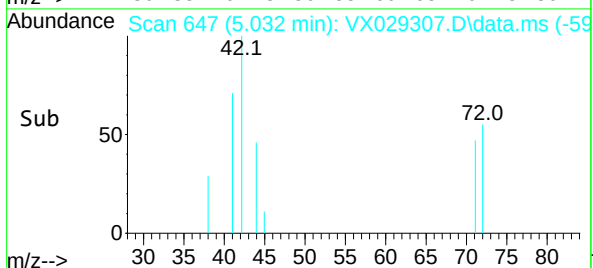
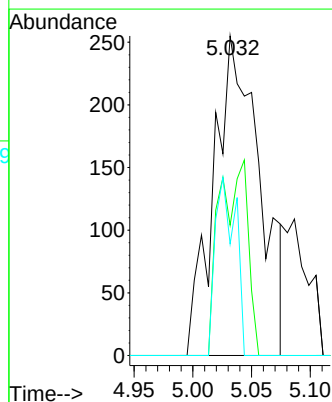
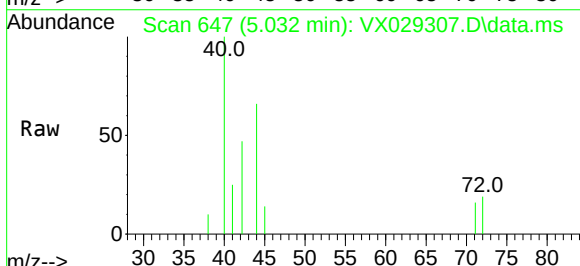
Tgt Ion: 42 Resp: 695

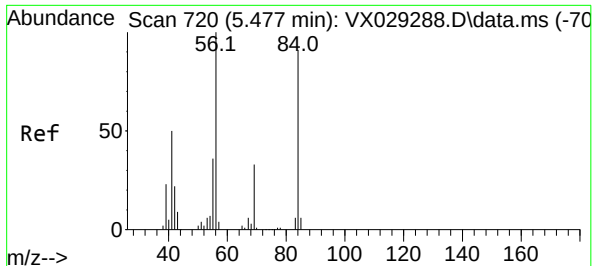
Ion Ratio Lower Upper

42 100

72 19.0 44.1 66.1#

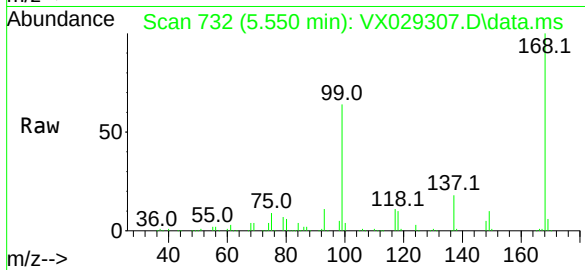
71 24.5 40.5 60.7#



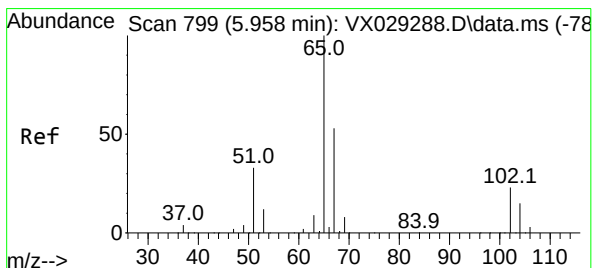
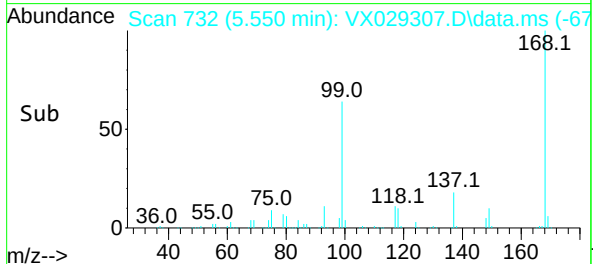
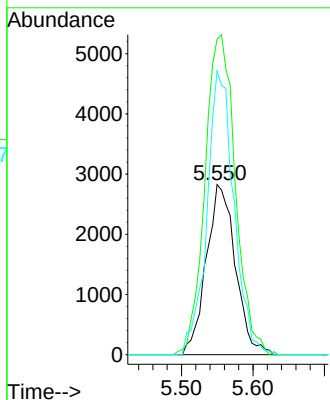


#31
Cyclohexane
Concen: 0.756 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

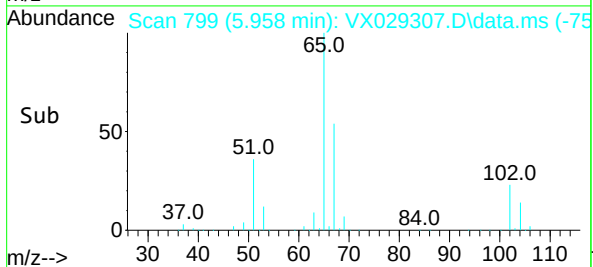
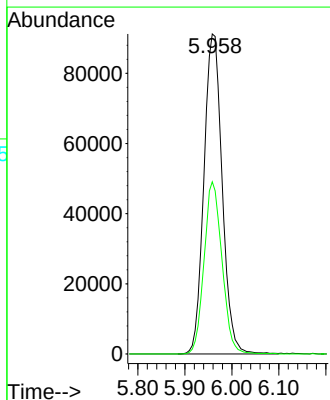
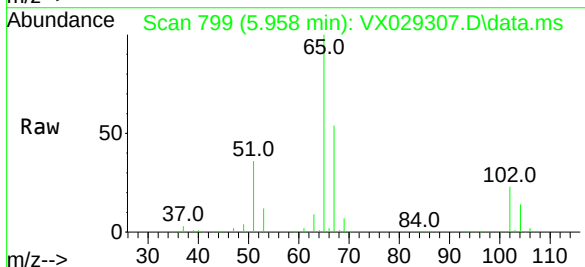


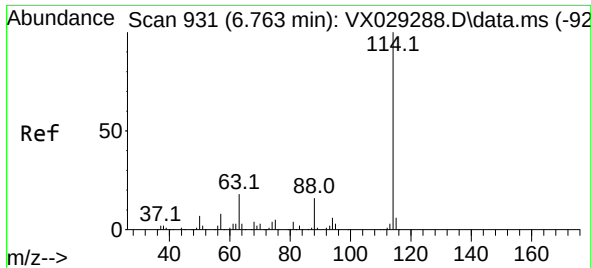
Tgt Ion: 56 Resp: 7993
Ion Ratio Lower Upper
56 100
69 185.5 26.7 40.1#
84 166.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 41.113 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 65 Resp: 246035
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.4

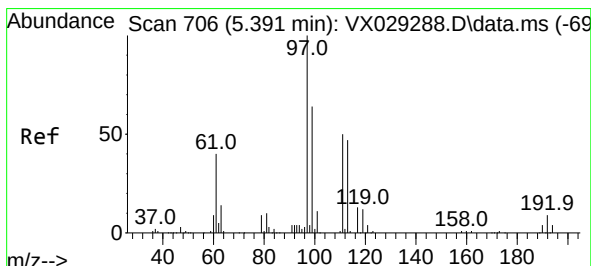
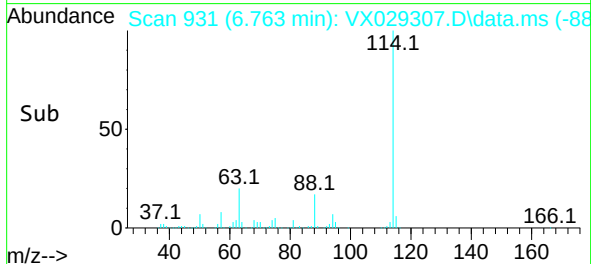
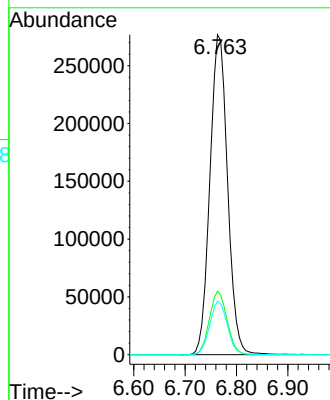
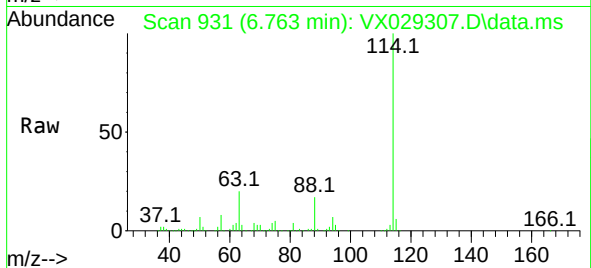




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

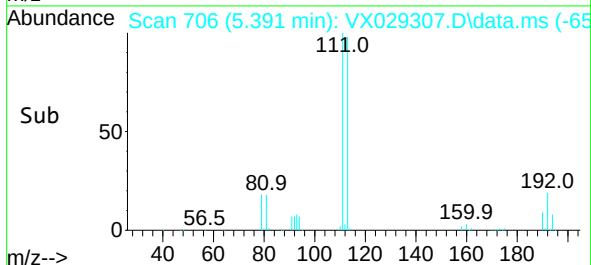
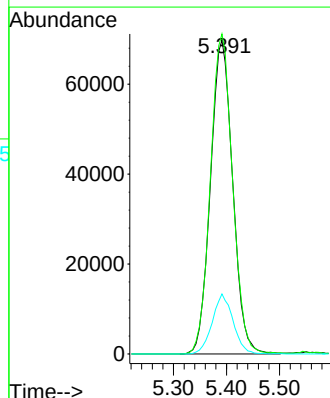
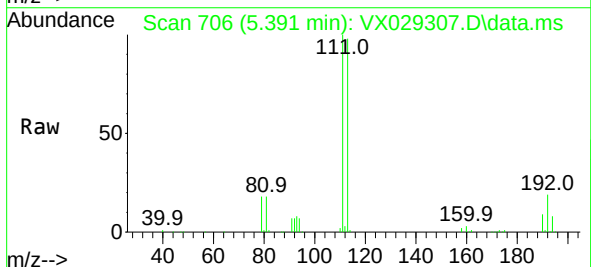
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

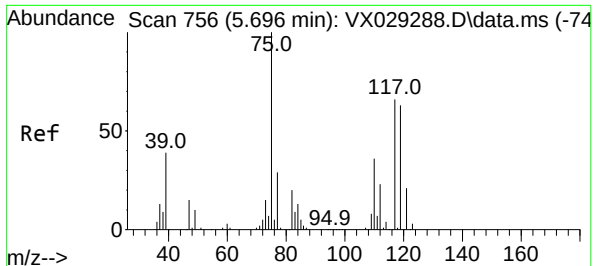
Tgt Ion:114 Resp: 660014
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 36.127 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion:113 Resp: 202711
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 18.0 16.9 25.3

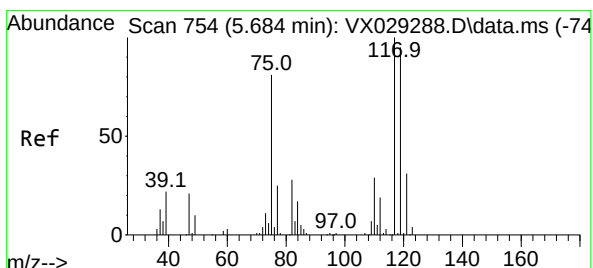
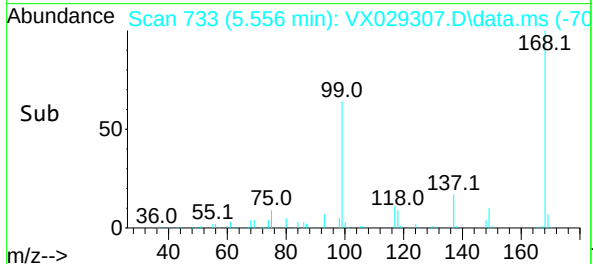
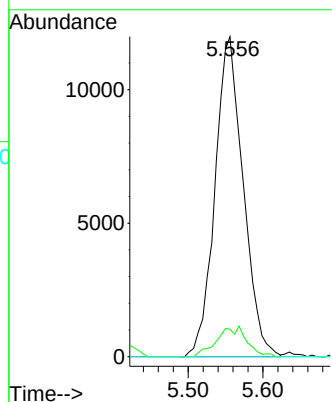
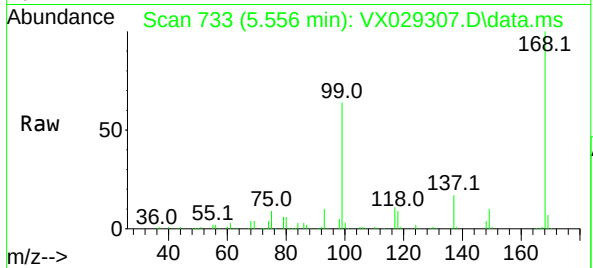




#36
1,1-Dichloropropene
Concen: 3.392 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

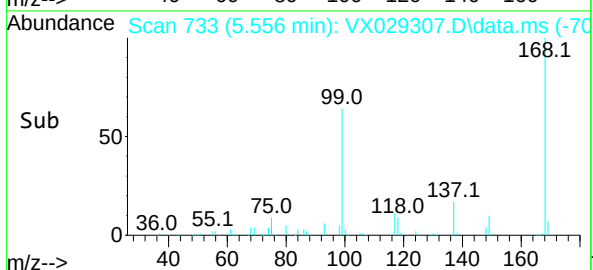
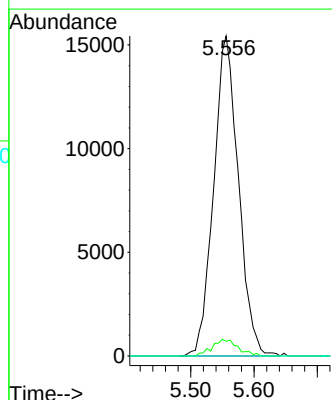
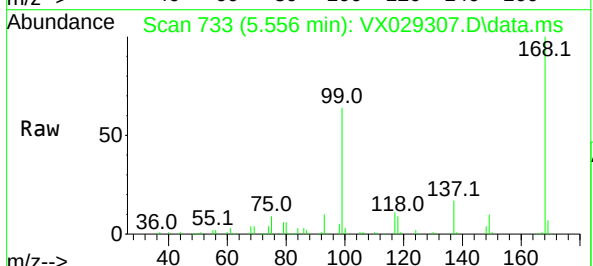
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

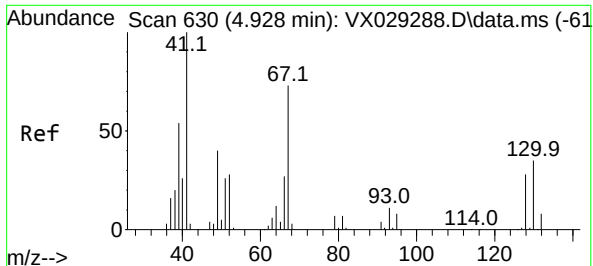
Tgt Ion: 75 Resp: 31439
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.426 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 117 Resp: 41935
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#

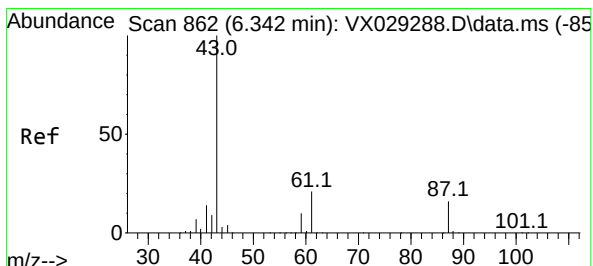
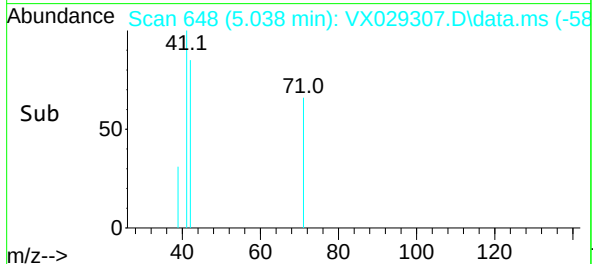
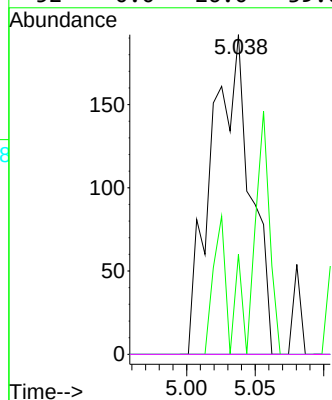
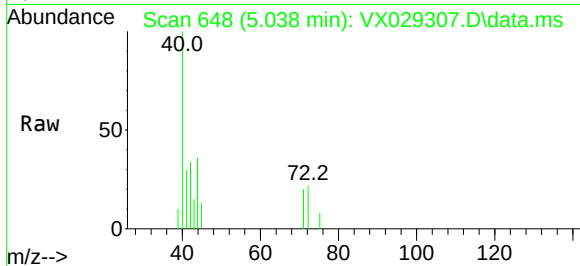




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.038 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

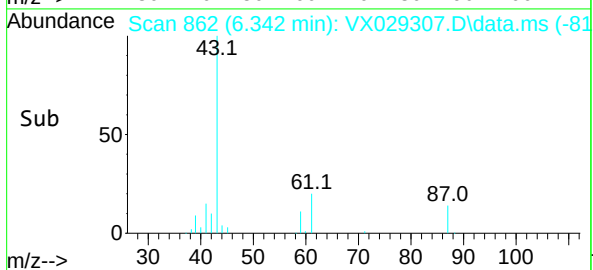
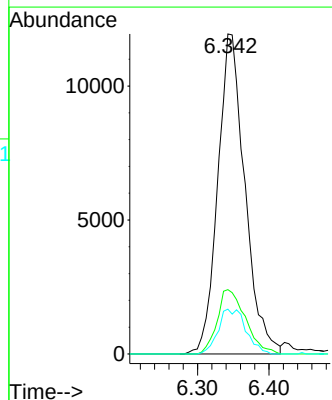
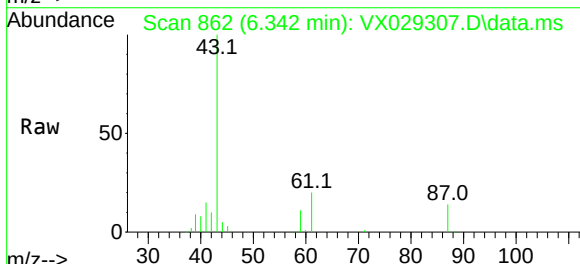
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

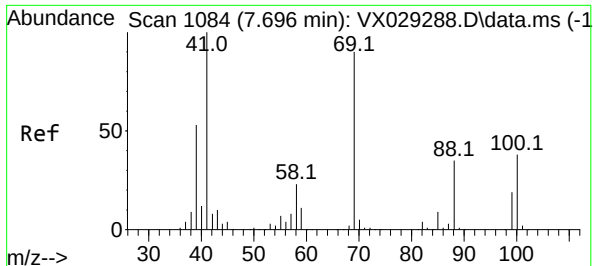
Tgt Ion: 41 Resp: 382
Ion Ratio Lower Upper
41 100
39 12.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.184 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 43 Resp: 31396
Ion Ratio Lower Upper
43 100
61 21.0 18.5 27.7
87 14.4 13.0 19.6





#48

Methyl methacrylate

Concen: 1.279 ug/l

RT: 7.604 min Scan# 1101

Delta R.T. -0.092 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#11

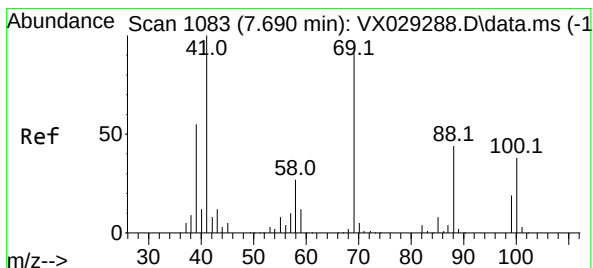
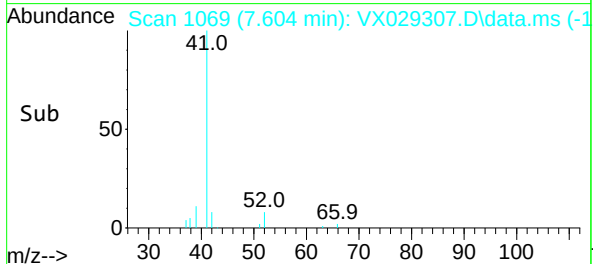
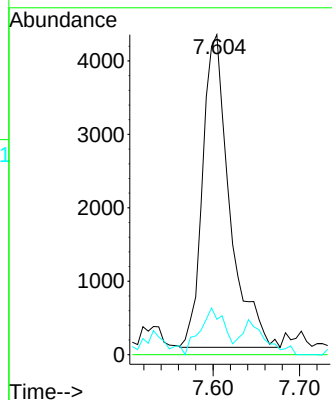
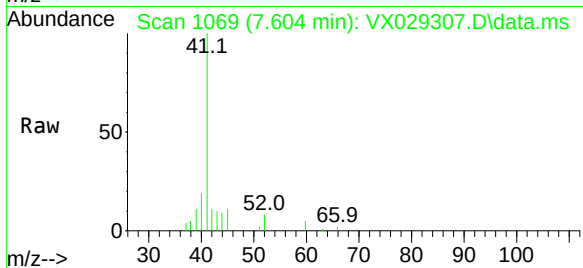
Tgt Ion: 41 Resp: 9250

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: 1.941 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

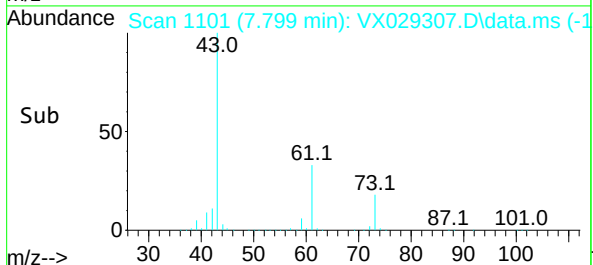
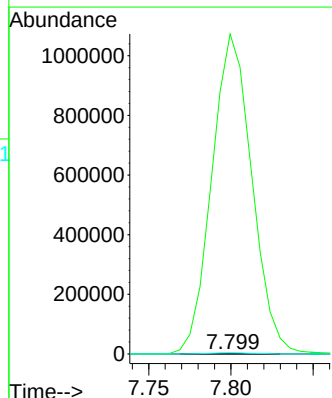
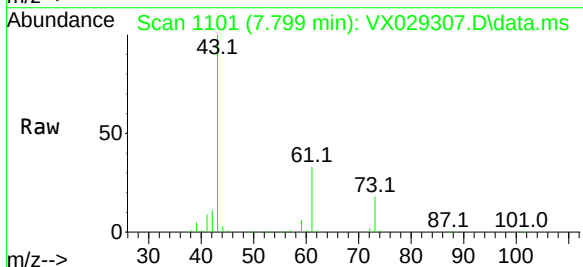
Tgt Ion: 88 Resp: 361

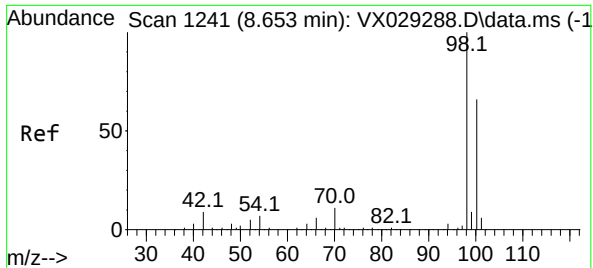
Ion Ratio Lower Upper

88 100

43 506422.7 21.9 32.9#

58 2139.1 53.7 80.5#

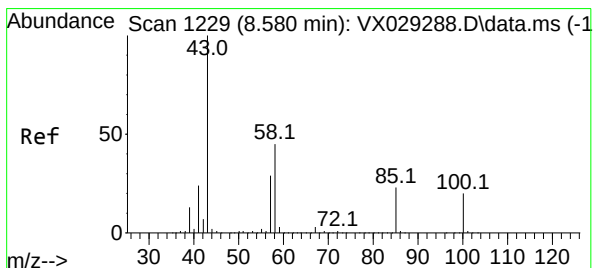
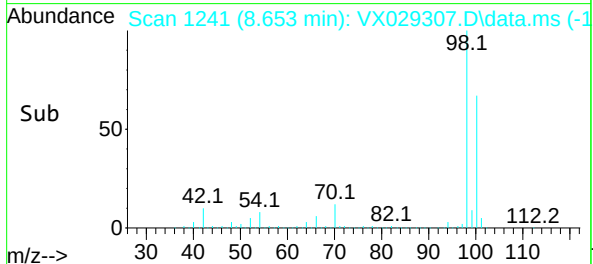
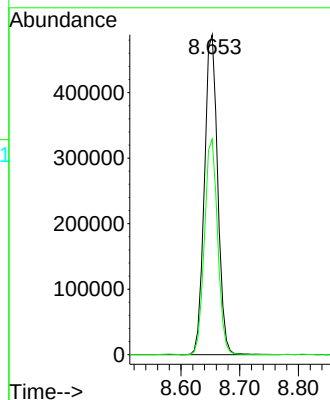
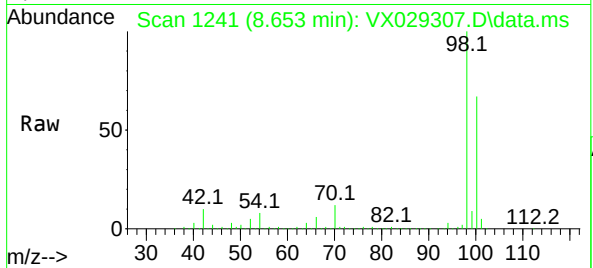




#50
Toluene-d8
Concen: 38.555 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

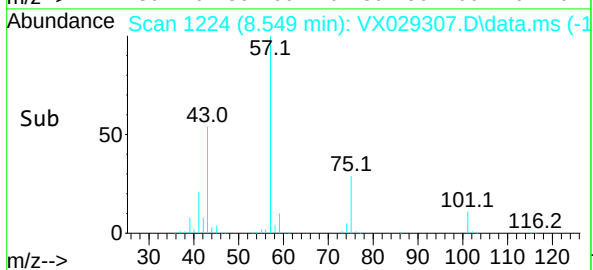
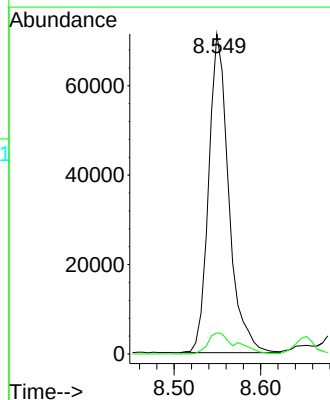
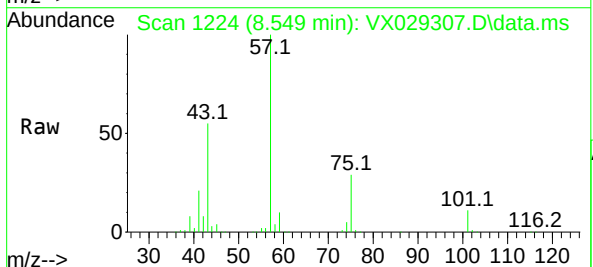
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

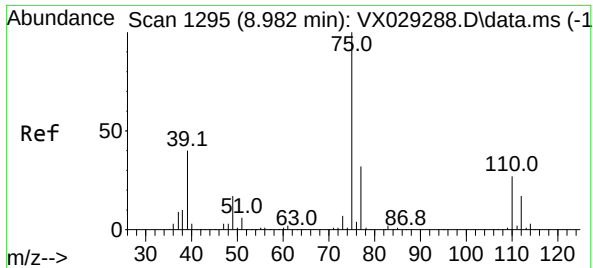
Tgt Ion: 98 Resp: 765118
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 12.219 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 43 Resp: 114948
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#





#53

t-1,3-Dichloropropene

Concen: 1.320 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

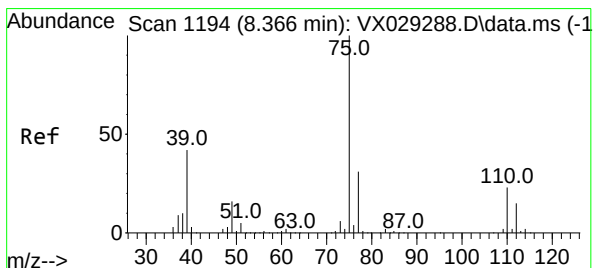
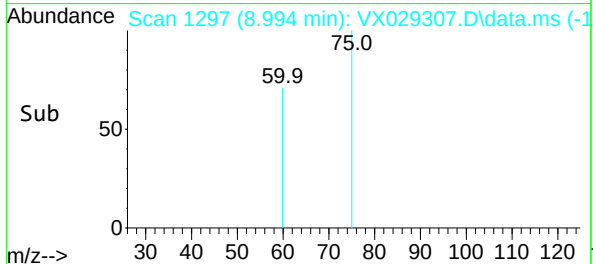
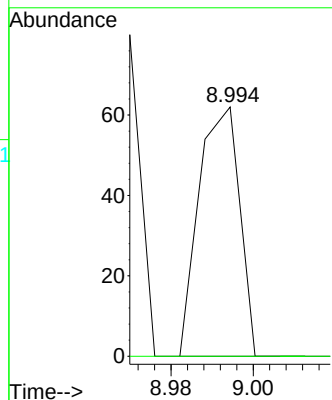
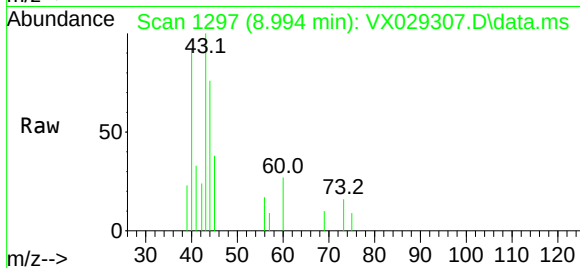
PB145355ZHE#11

Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 5.614 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

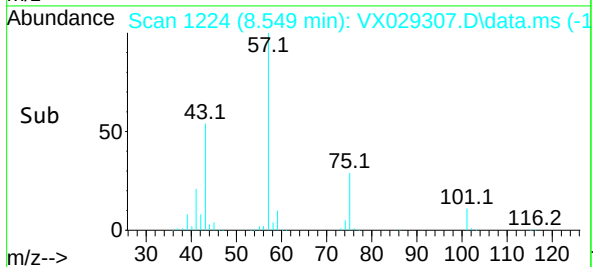
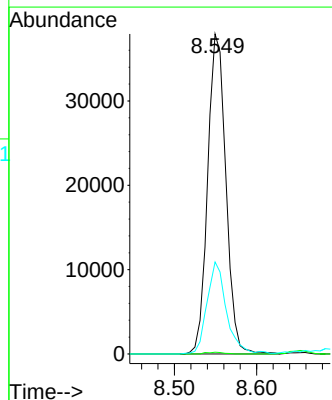
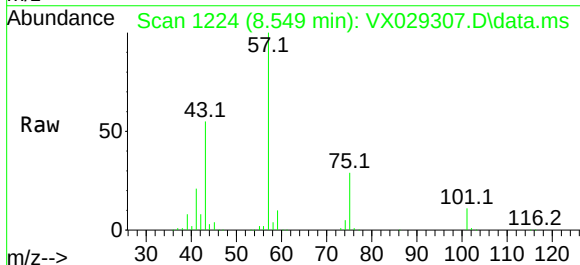
Tgt Ion: 75 Resp: 58461

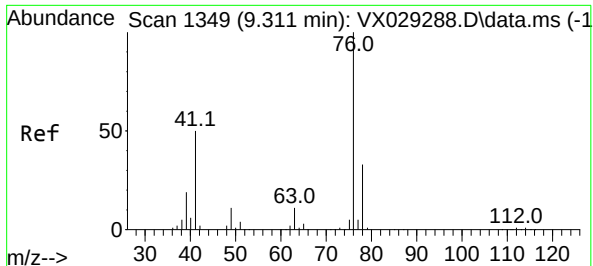
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 28.8 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 3.099 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029307.D

Acq: 08 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

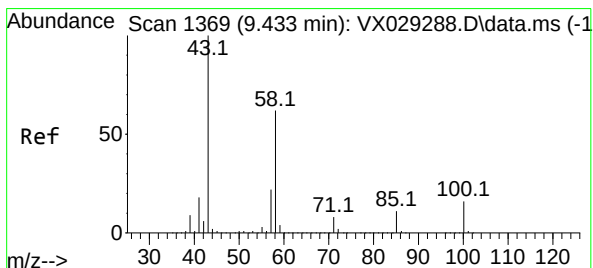
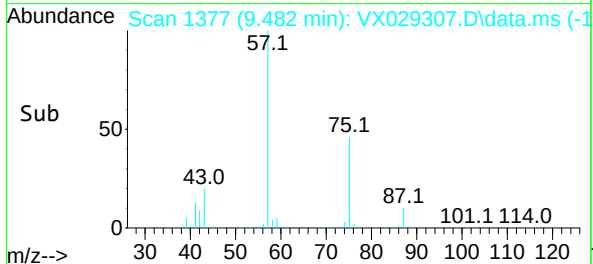
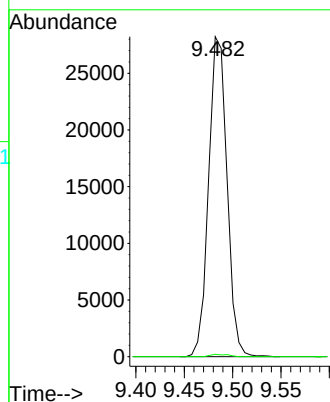
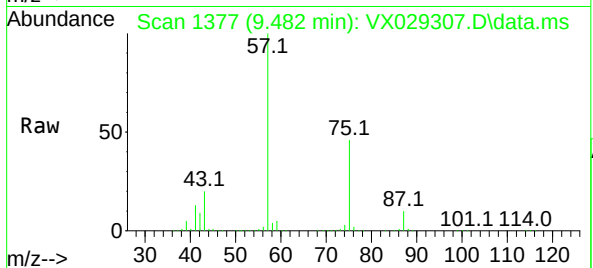
PB145355ZHE#11

Tgt Ion: 76 Resp: 37423

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.8#



#59

2-Hexanone

Concen: 63.485 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029307.D

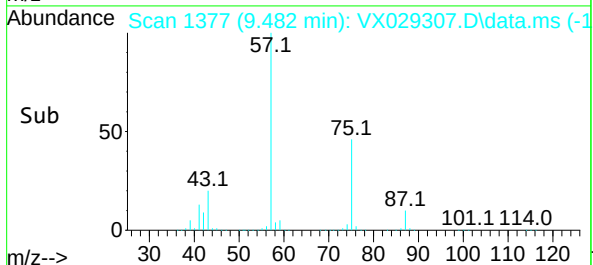
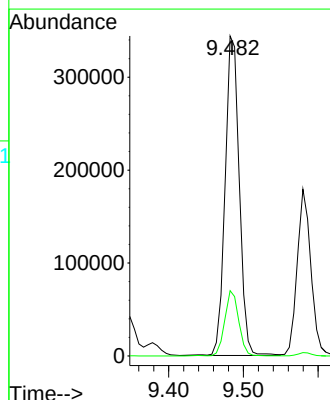
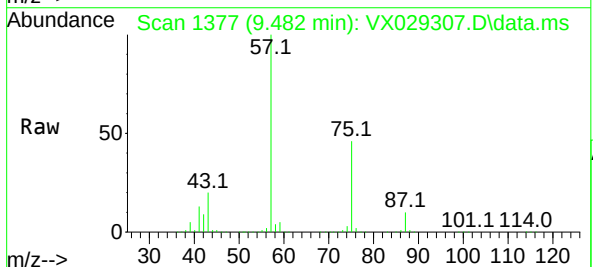
Acq: 08 Jun 2022 04:36

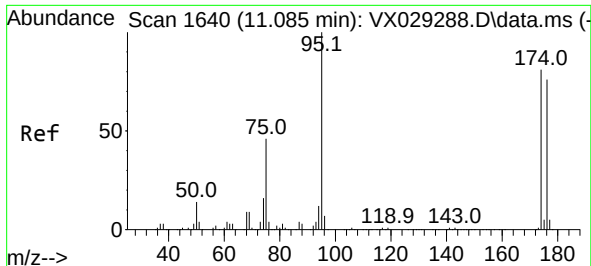
Tgt Ion: 43 Resp: 454068

Ion Ratio Lower Upper

43 100

58 20.0 31.9 95.7#

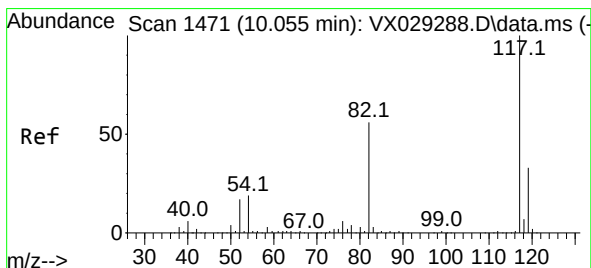
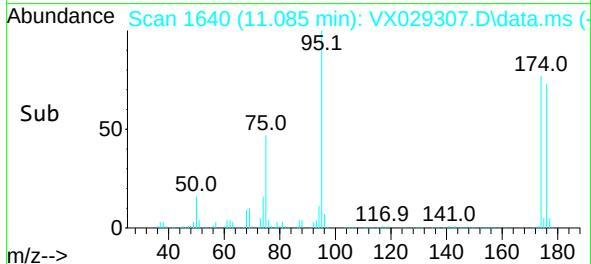
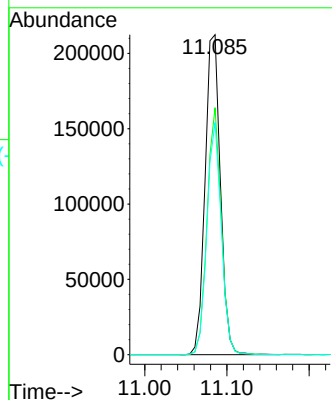
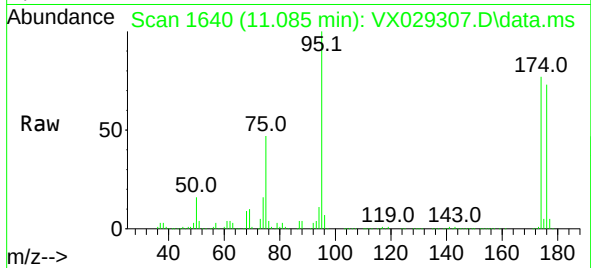




#62
4-Bromofluorobenzene
Concen: 35.350 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

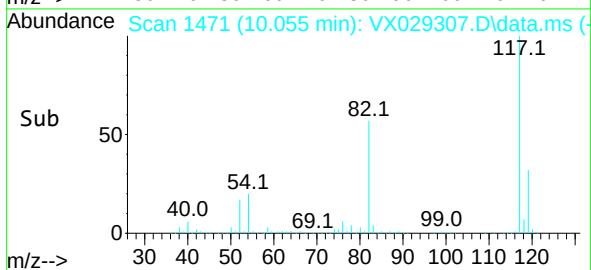
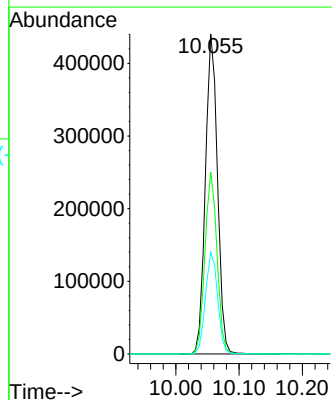
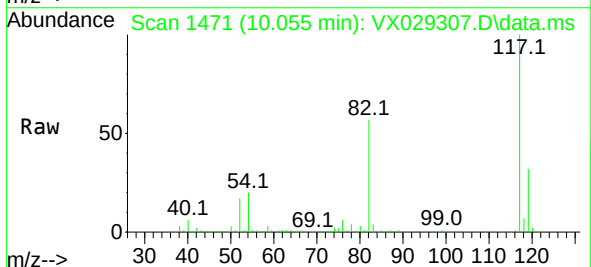
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#11

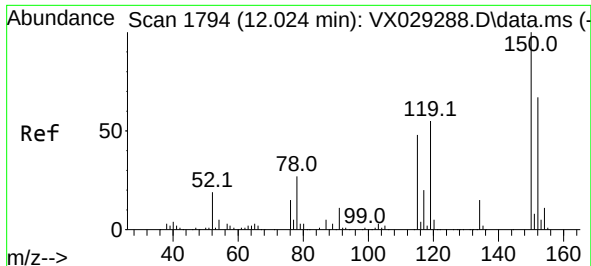
Tgt Ion: 95 Resp: 274525
Ion Ratio Lower Upper
95 100
174 71.9 0.0 163.0
176 68.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029307.D
Acq: 08 Jun 2022 04:36

Tgt Ion: 117 Resp: 586704
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 31.8 24.8 37.2

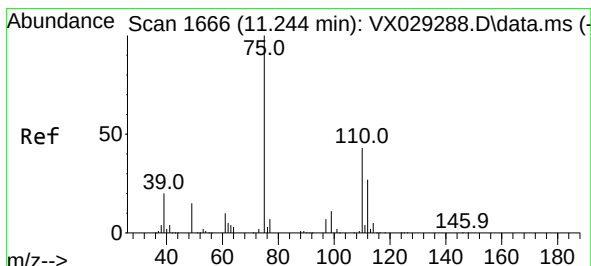
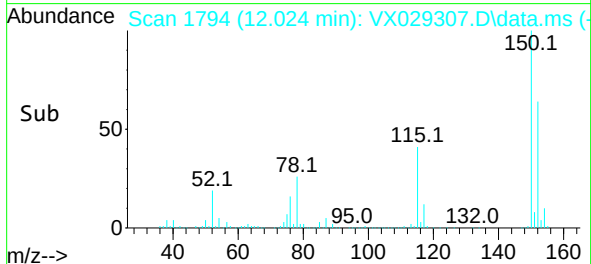
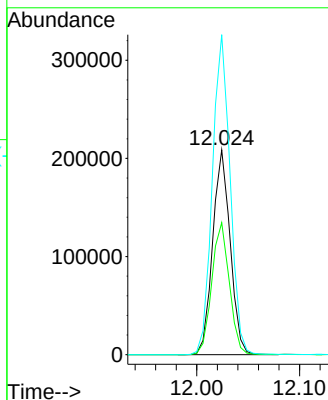
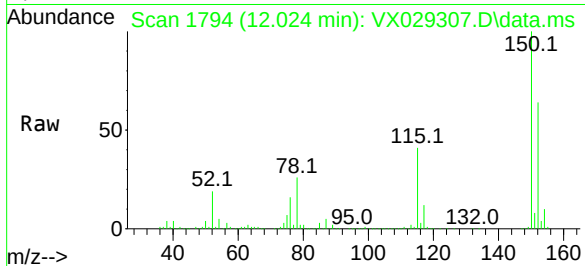




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX029307.D
 Acq: 08 Jun 2022 04:36

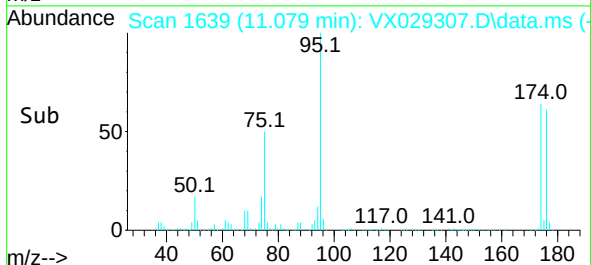
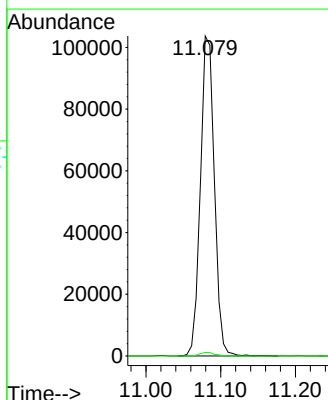
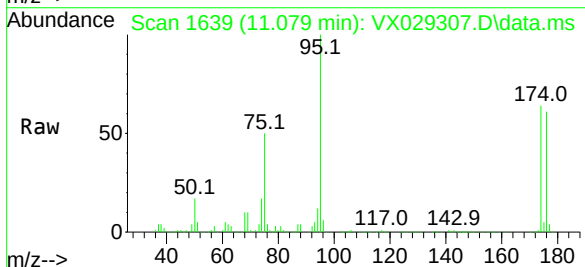
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#11

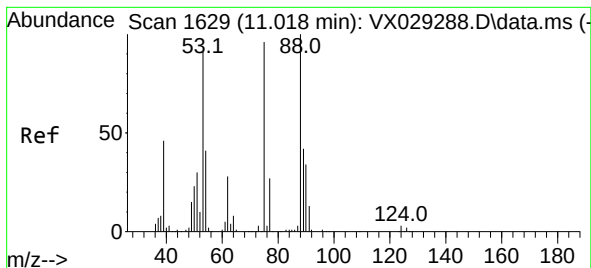
Tgt Ion:152 Resp: 246292
 Ion Ratio Lower Upper
 152 100
 115 64.7 37.5 112.7
 150 158.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.415 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029307.D
 Acq: 08 Jun 2022 04:36

Tgt Ion: 75 Resp: 134698
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.813 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029307.D
 Acq: 08 Jun 2022 04:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#11

Tgt Ion: 75 Resp: 134698
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

