

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029297.D
 Acq On : 08 Jun 2022 00:44
 Operator : JC/MD
 Sample : PB145355ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#01

Quant Time: Jun 08 03:19:21 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)

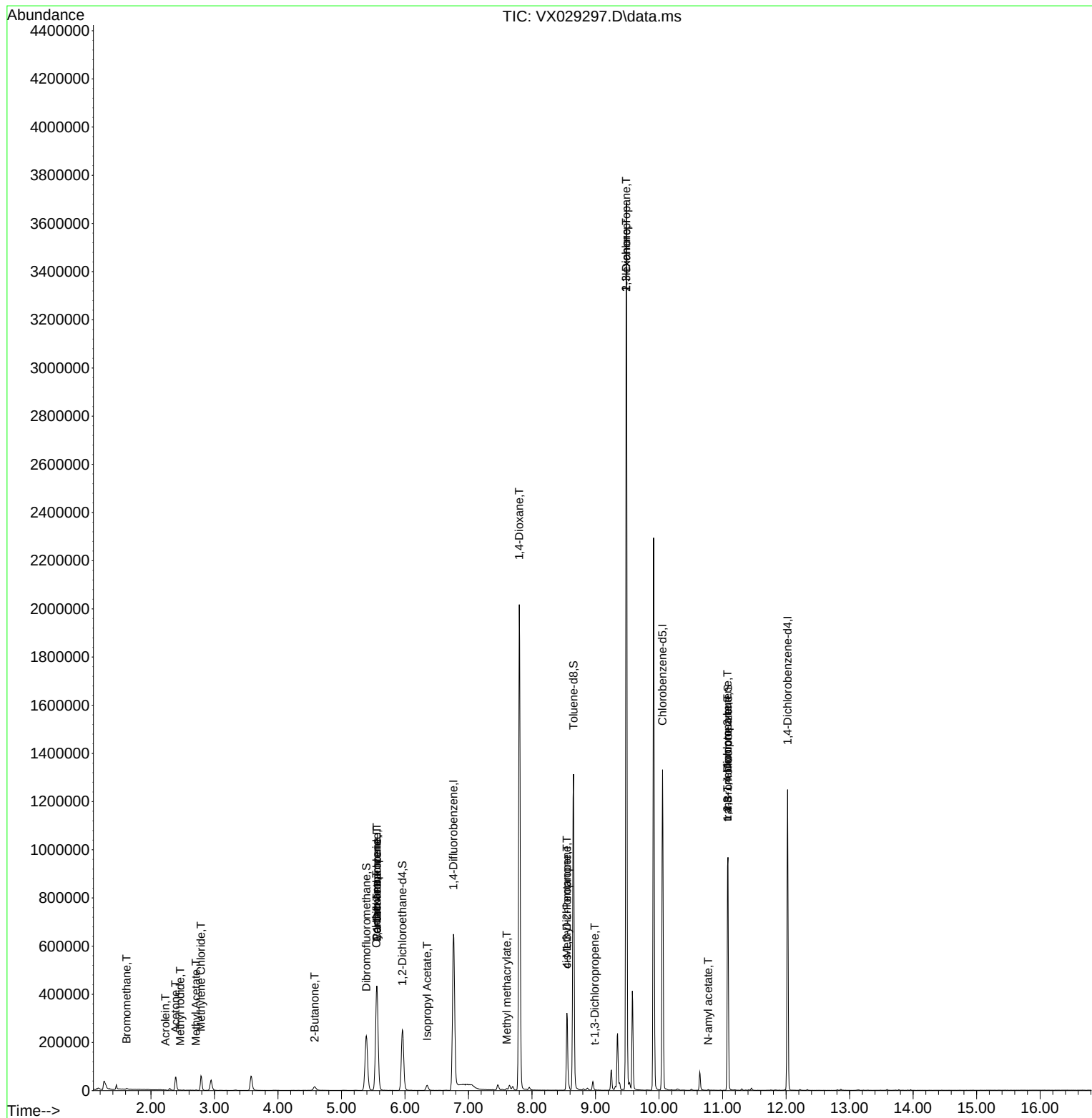
Internal Standards						
1) Pentafluorobenzene	5.556	168	402691	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	676102	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	595763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	246172	39.802	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	79.600%
35) Dibromofluoromethane	5.391	113	201900	35.126	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	70.260%
50) Toluene-d8	8.653	98	778208	38.282	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	76.560%
62) 4-Bromofluorobenzene	11.085	95	278805	35.047	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	70.100%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	1467	0.387	ug/l	97
6) Chloroethane	1.721	64	592	Below Cal	#	43
10) Methyl Iodide	2.459	142	1334	1.405	ug/l	# 85
11) Tert butyl alcohol	2.947	59	25659	Below Cal	#	76
13) Acrolein	2.227	56	414	0.557	ug/l	# 82
16) Acetone	2.386	43	65753	20.184	ug/l	96
18) Methyl Acetate	2.709	43	2072	0.240	ug/l	92
20) Methylene Chloride	2.788	84	28353	3.897	ug/l	96
25) 2-Butanone	4.574	43	10031	1.947	ug/l	# 87
31) Cyclohexane	5.550	56	8353	0.765	ug/l	# 5
36) 1,1-Dichloropropene	5.556	75	31763	3.345	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	43155	4.447	ug/l	# 15
41) Methacrylonitrile	5.038	41	390	Below Cal	#	23
43) Isopropyl Acetate	6.348	43	29698	2.017	ug/l	95
48) Methyl methacrylate	7.604	41	9046	1.221	ug/l	# 7
49) 1,4-Dioxane	7.799	88	307	1.612	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	109609	11.374	ug/l	# 41
53) t-1,3-Dichloropropene	8.988	75	259	1.341	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	53955	5.058	ug/l	# 67
57) 1,3-Dichloropropane	9.482	76	36075	2.916	ug/l	# 43
59) 2-Hexanone	9.482	43	414095	56.519	ug/l	# 44
74) N-amyl acetate	10.774	43	1479	0.217	ug/l	# 40
76) 1,2,3-Trichloropropane	11.079	75	137937	23.124	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	137937	70.948	ug/l	# 15

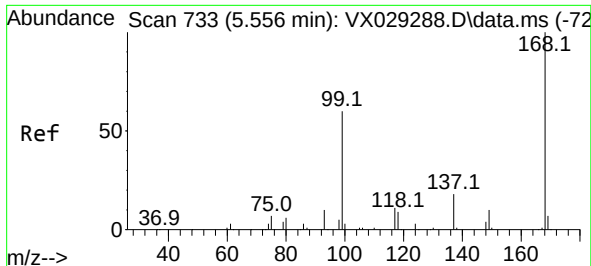
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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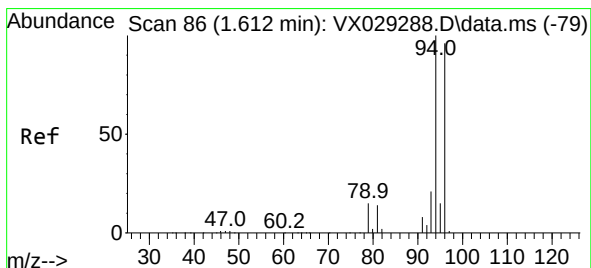
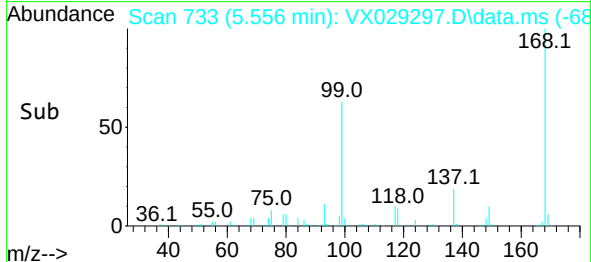
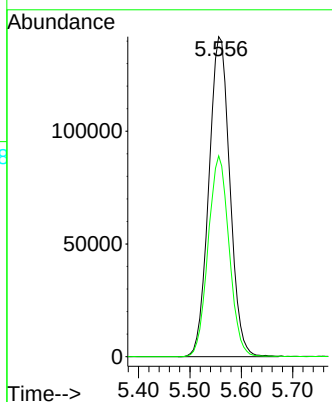
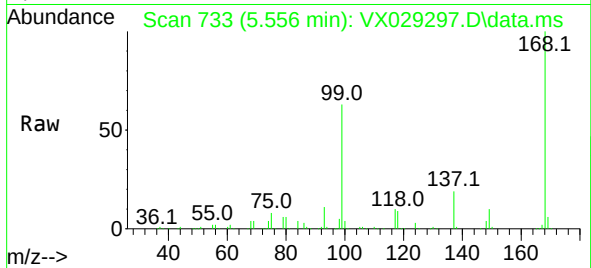




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

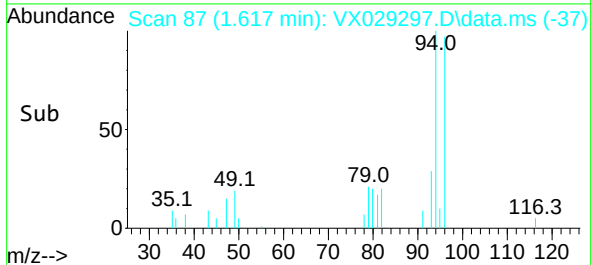
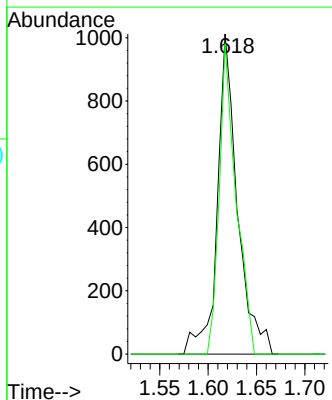
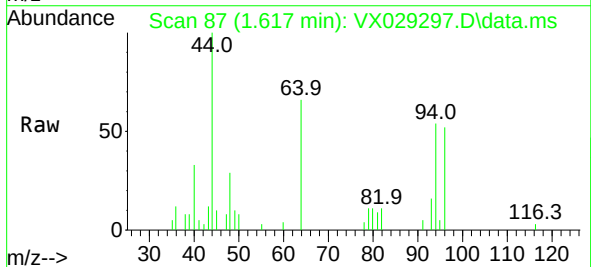
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

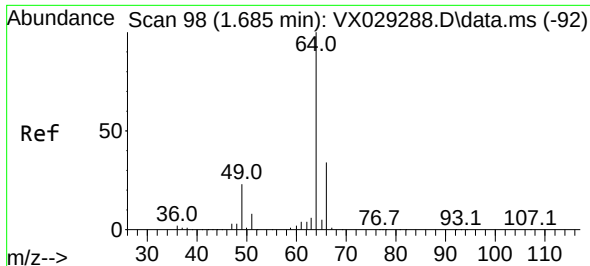
Tgt Ion:168 Resp: 402691
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#5
Bromomethane
Concen: 0.387 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 94 Resp: 1467
Ion Ratio Lower Upper
94 100
96 96.9 75.3 112.9

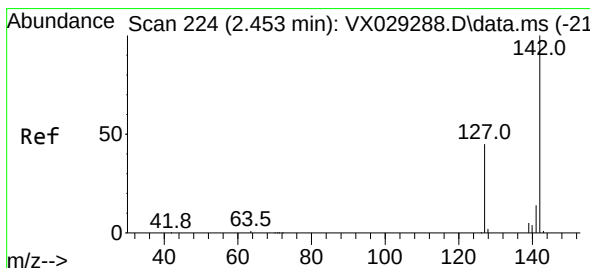
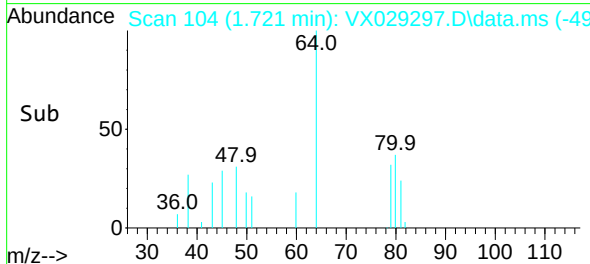
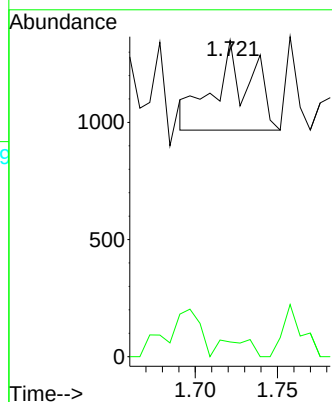
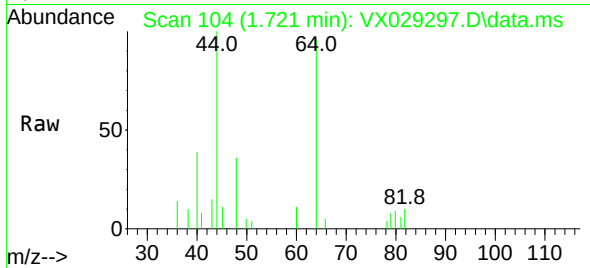




#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.036 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

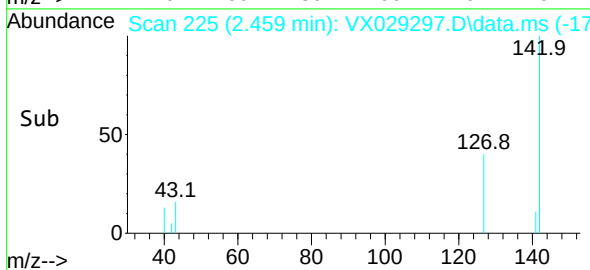
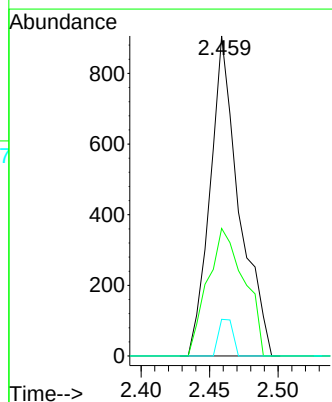
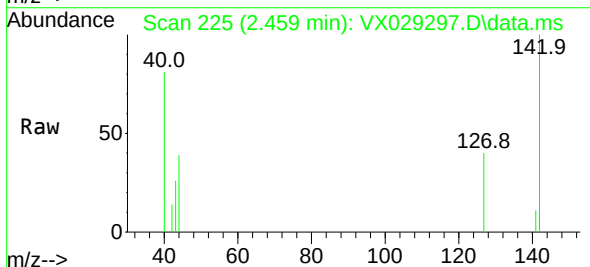
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

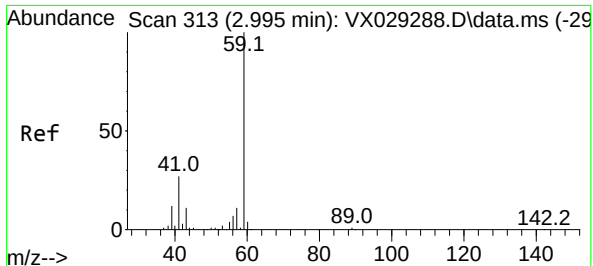
Tgt Ion: 64 Resp: 592
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 1.405 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 142 Resp: 1334
Ion Ratio Lower Upper
142 100
127 50.4 33.9 50.9
141 5.6 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: VX029297.D

Acq: 08 Jun 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

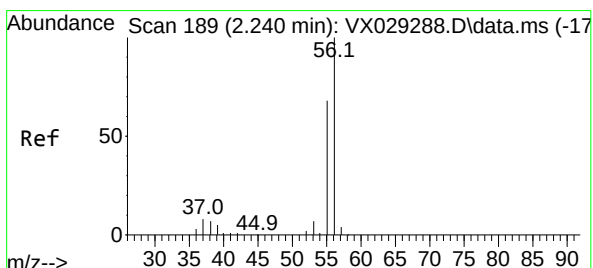
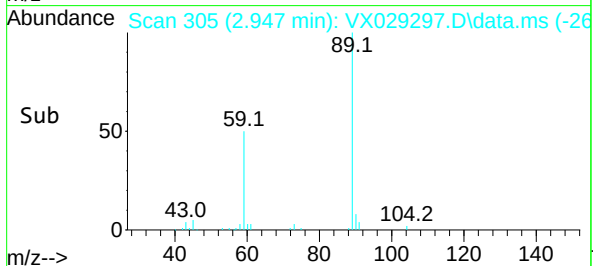
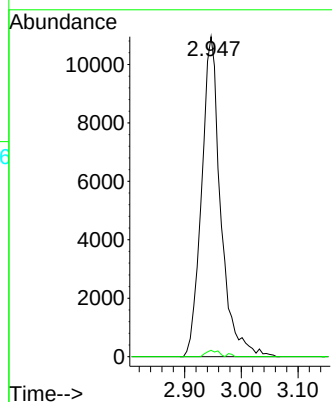
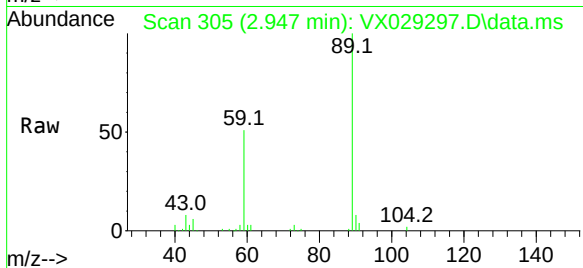
PB145355ZHE#01

Tgt Ion: 59 Resp: 25659

Ion Ratio Lower Upper

59 100

57 1.3 8.3 12.5#



#13

Acrolein

Concen: 0.557 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX029297.D

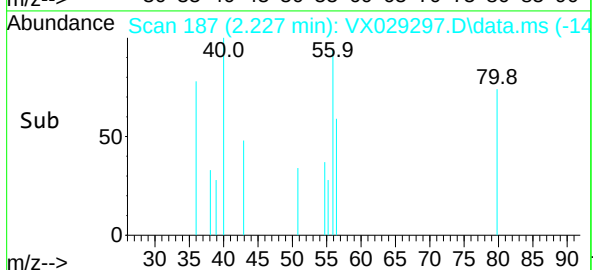
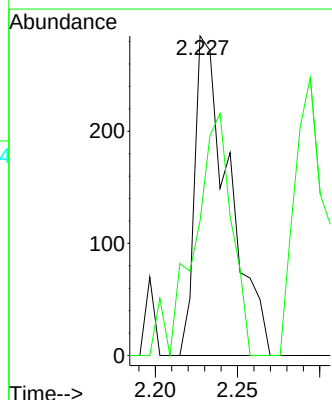
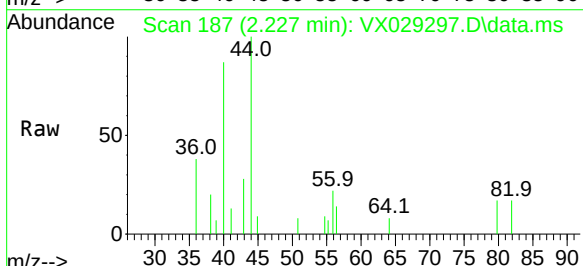
Acq: 08 Jun 2022 00:44

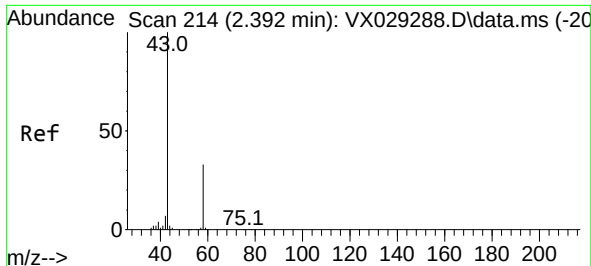
Tgt Ion: 56 Resp: 414

Ion Ratio Lower Upper

56 100

55 83.1 55.0 82.6#

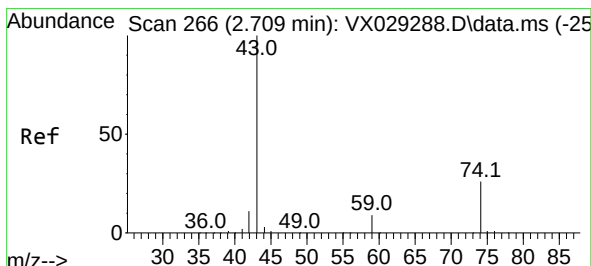
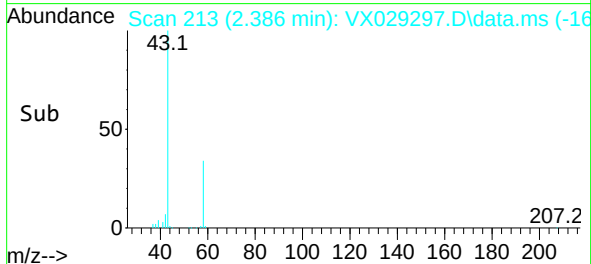
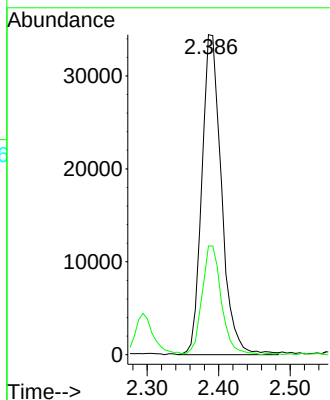
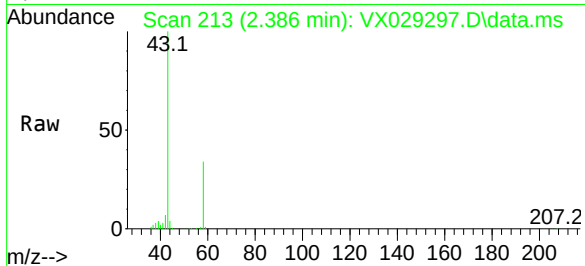




#16
Acetone
Concen: 20.184 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

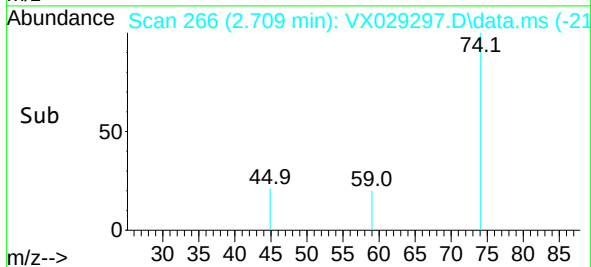
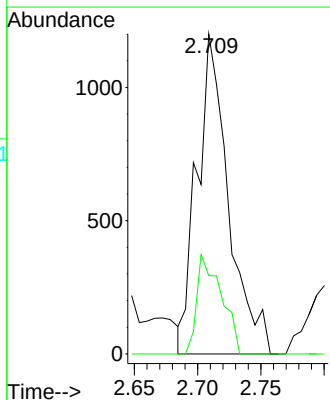
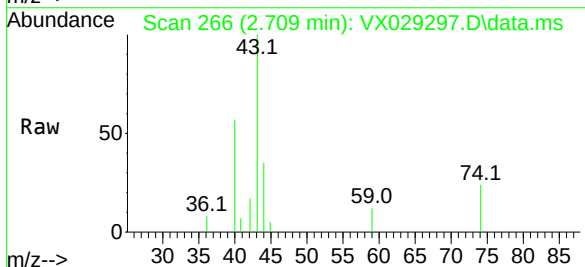
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

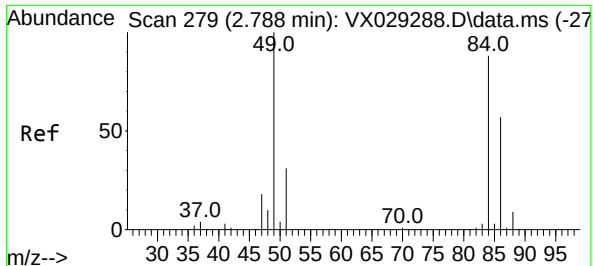
Tgt Ion: 43 Resp: 65753
Ion Ratio Lower Upper
43 100
58 33.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
74 24.3 22.8 34.2





#20

Methylene Chloride

Concen: 3.897 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029297.D

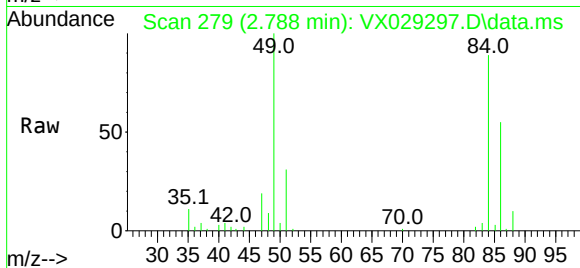
Acq: 08 Jun 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#01



Tgt Ion: 84 Resp: 28353

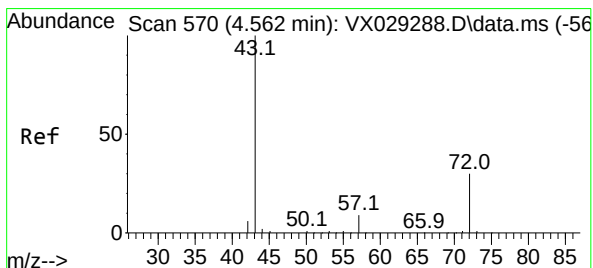
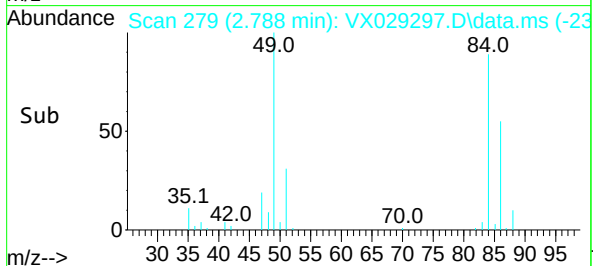
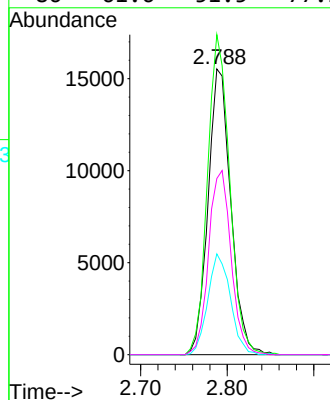
Ion Ratio Lower Upper

84 100

49 112.0 85.5 128.3

51 35.3 26.6 39.8

86 61.6 51.5 77.3



#25

2-Butanone

Concen: 1.947 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX029297.D

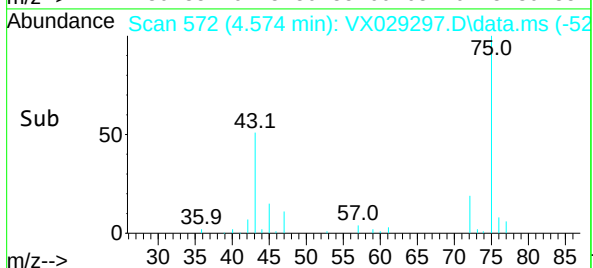
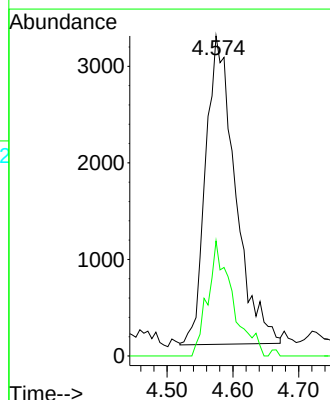
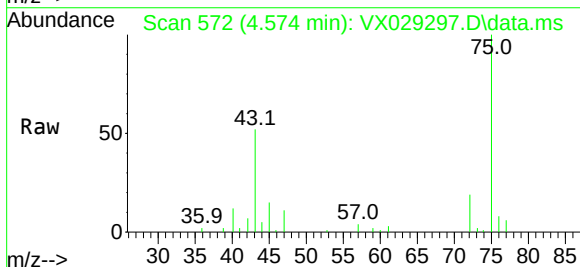
Acq: 08 Jun 2022 00:44

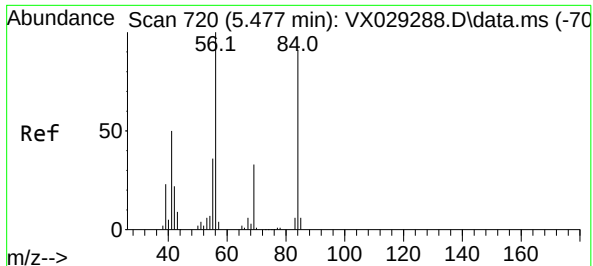
Tgt Ion: 43 Resp: 10031

Ion Ratio Lower Upper

43 100

72 37.4 24.4 36.6#





#31

Cyclohexane

Concen: 0.765 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.073 min

Lab File: VX029297.D

Acq: 08 Jun 2022 00:44

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MSVOA_X

ClientSampleId :

PB145355ZHE#01

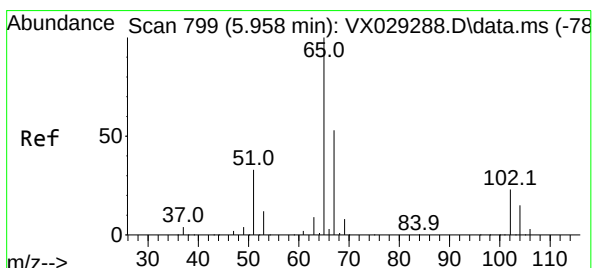
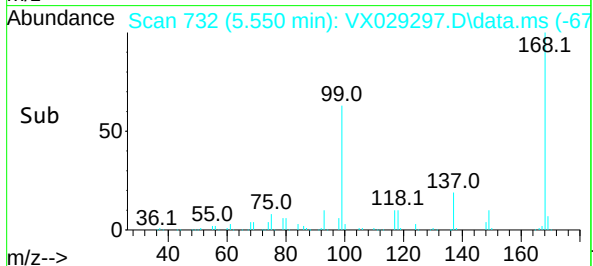
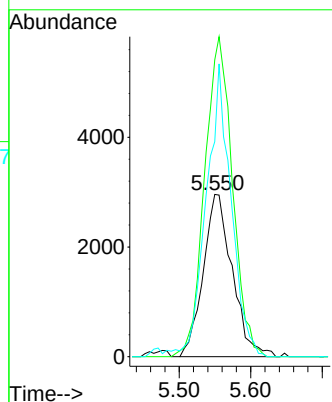
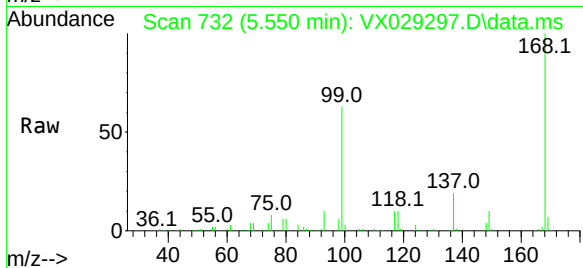
Tgt Ion: 56 Resp: 8353

Ion Ratio Lower Upper

56 100

69 182.9 26.7 40.1#

84 132.5 77.2 115.8#



#33

1,2-Dichloroethane-d4

Concen: 39.802 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029297.D

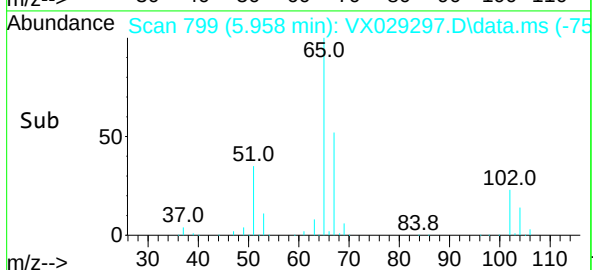
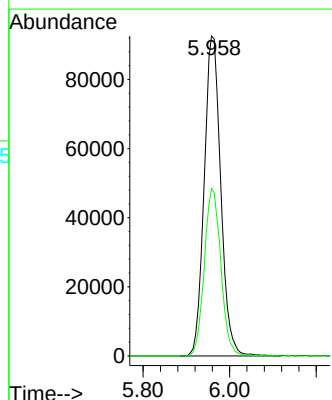
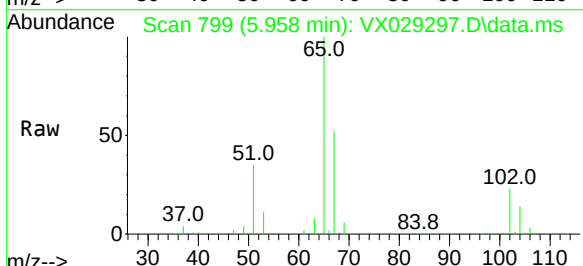
Acq: 08 Jun 2022 00:44

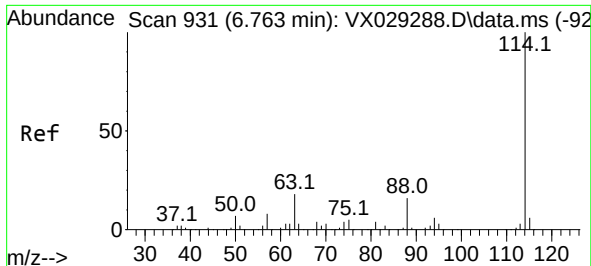
Tgt Ion: 65 Resp: 246172

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4

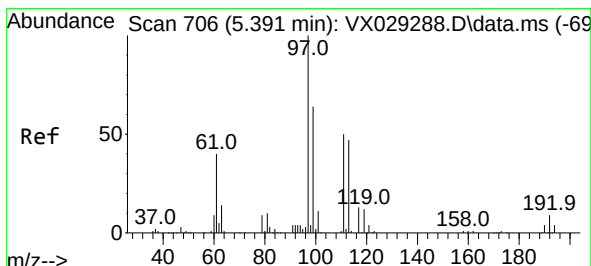
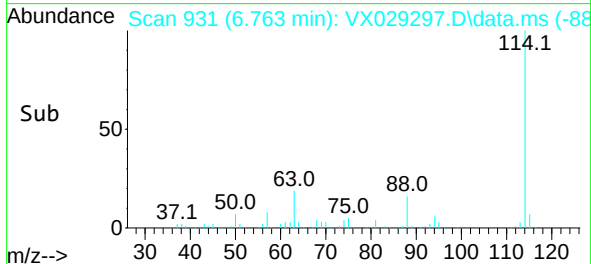
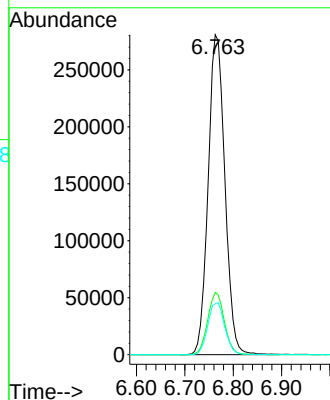
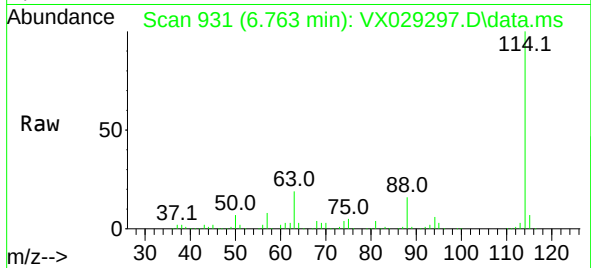




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

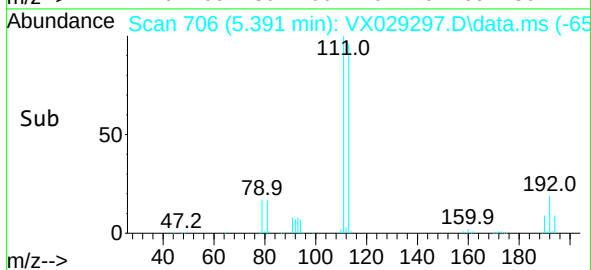
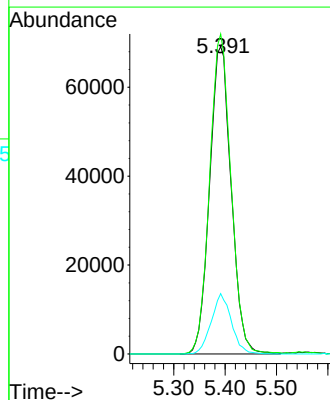
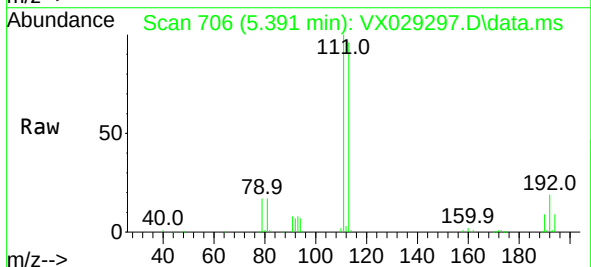
Instrument :
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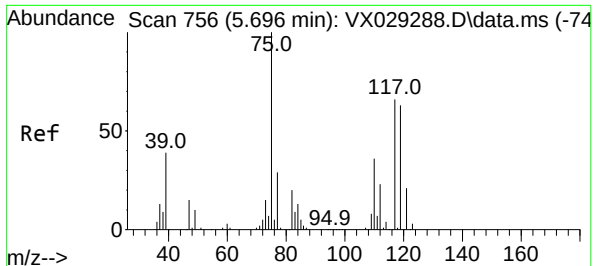
Tgt Ion:114 Resp: 676102
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 35.126 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion:113 Resp: 201900
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 18.4 16.9 25.3

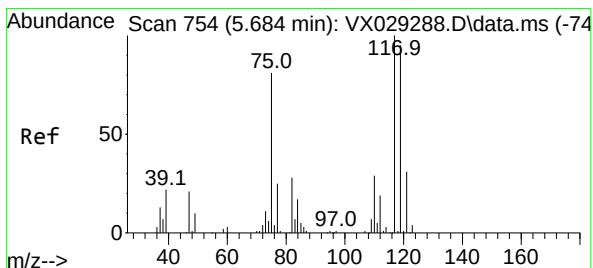
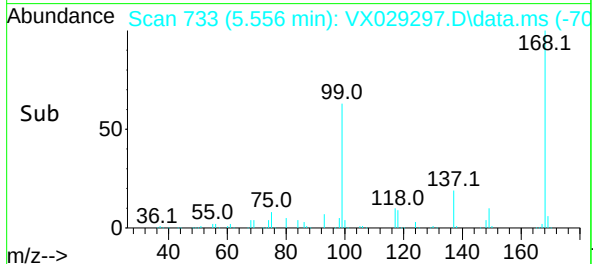
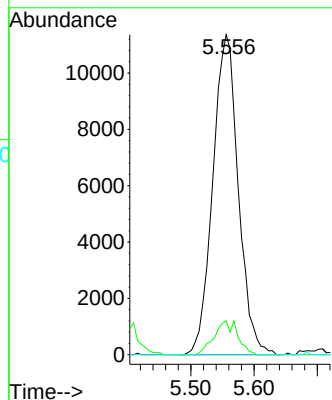
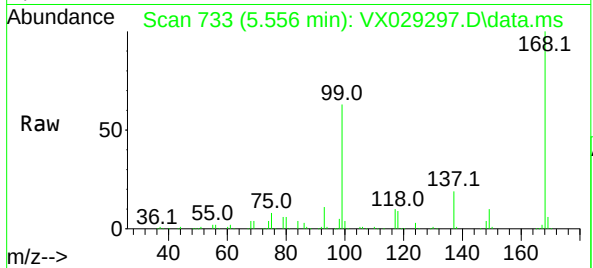




#36
1,1-Dichloropropene
Concen: 3.345 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

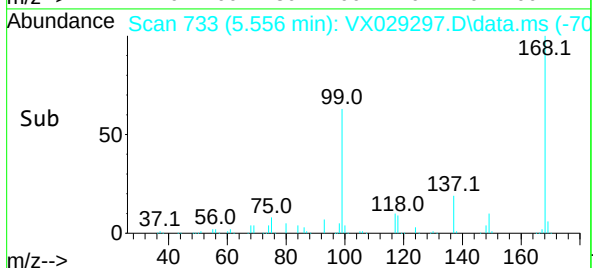
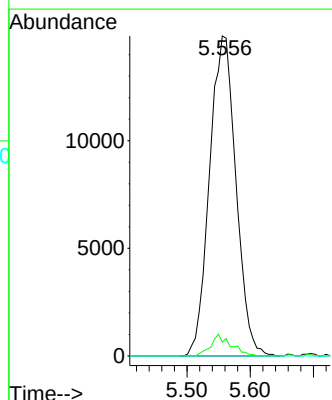
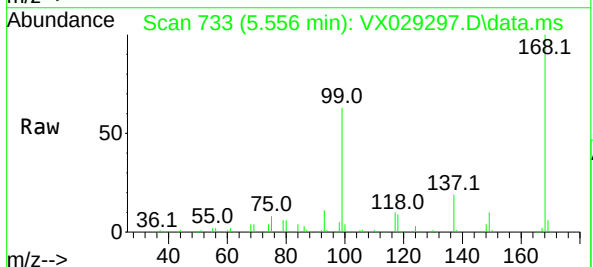
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

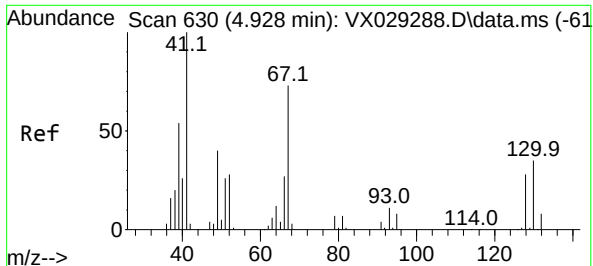
Tgt Ion: 75 Resp: 31763
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.447 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 117 Resp: 43155
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#

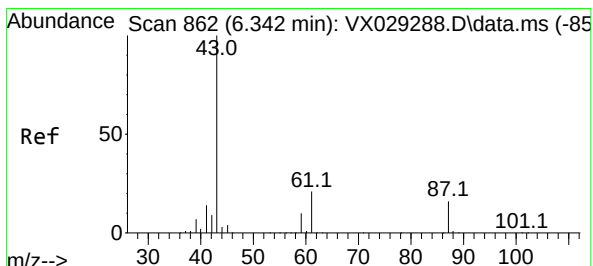
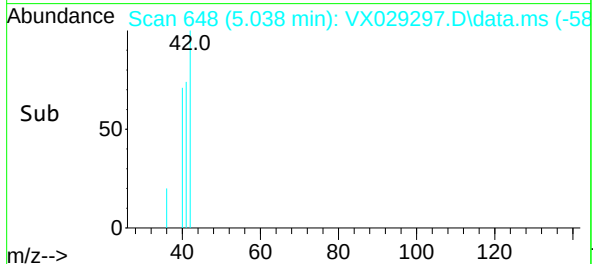
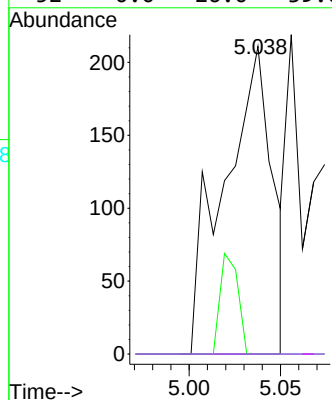
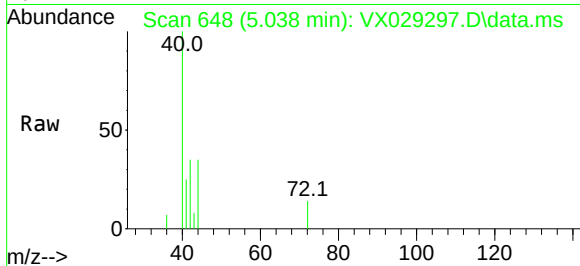




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.038 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

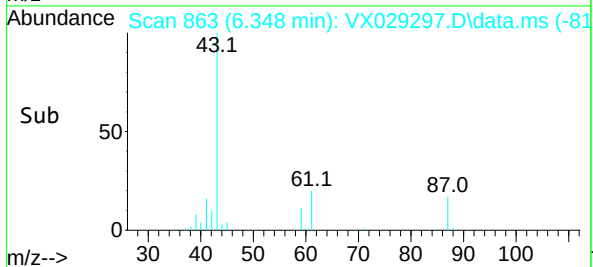
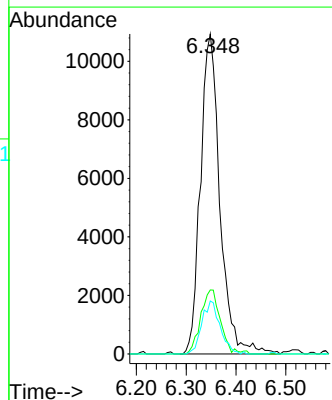
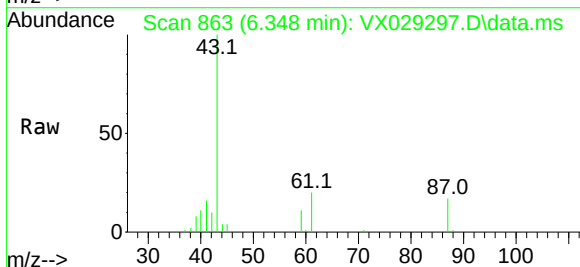
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

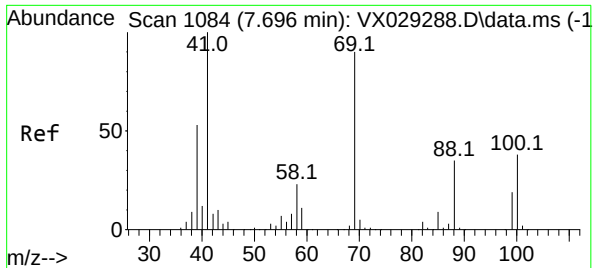
Tgt Ion: 41 Resp: 390
Ion Ratio Lower Upper
41 100
39 11.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.017 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 43 Resp: 29698
Ion Ratio Lower Upper
43 100
61 20.0 18.5 27.7
87 15.5 13.0 19.6

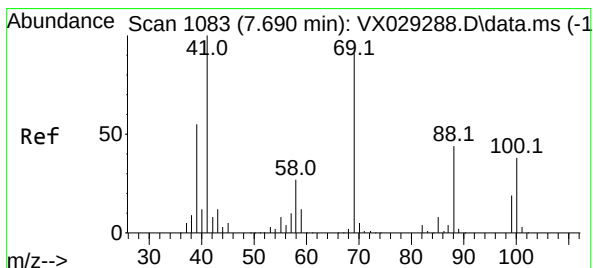
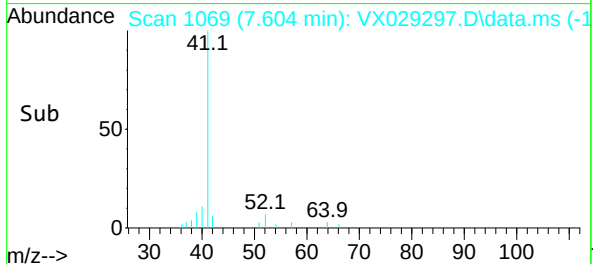
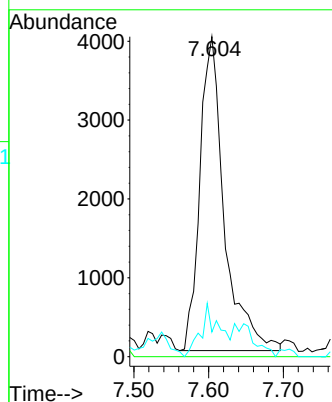
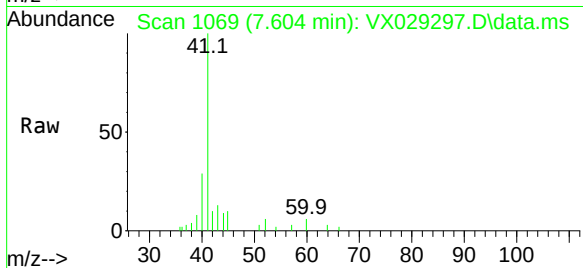




#48
Methyl methacrylate
Concen: 1.221 ug/l
RT: 7.604 min Scan# 1101
Delta R.T. -0.092 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

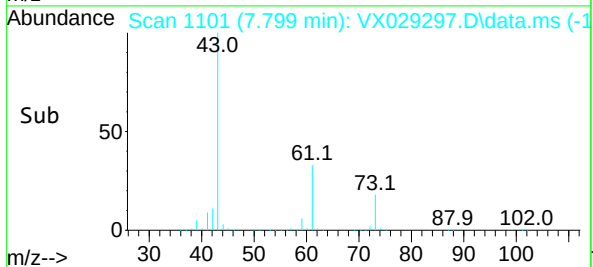
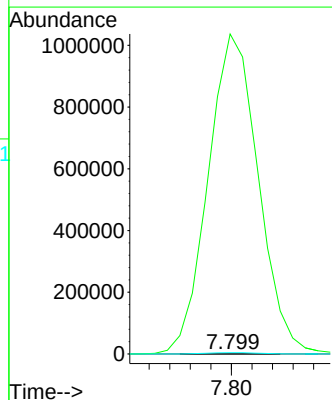
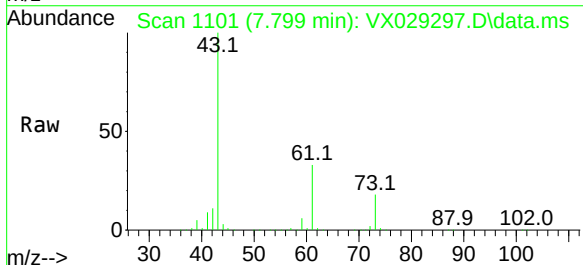
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

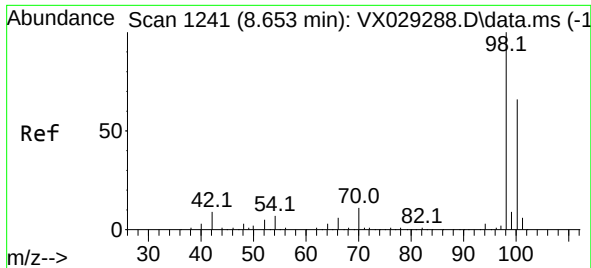
Tgt Ion: 41 Resp: 9046
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.612 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 88 Resp: 307
Ion Ratio Lower Upper
88 100
43 577231.9 21.9 32.9#
58 2496.4 53.7 80.5#

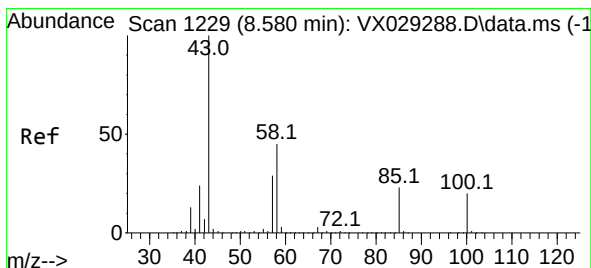
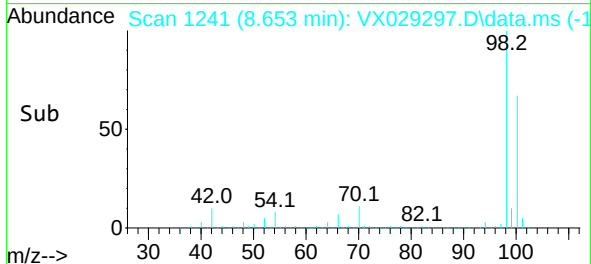
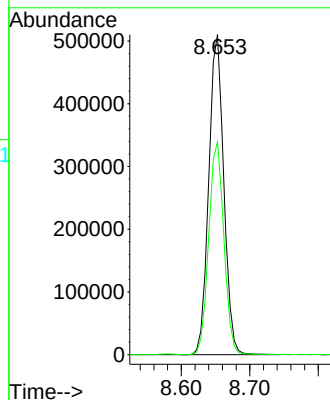
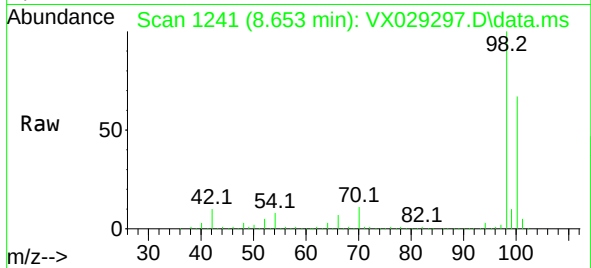




#50
Toluene-d8
Concen: 38.282 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

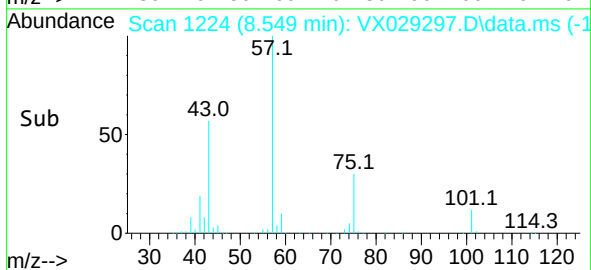
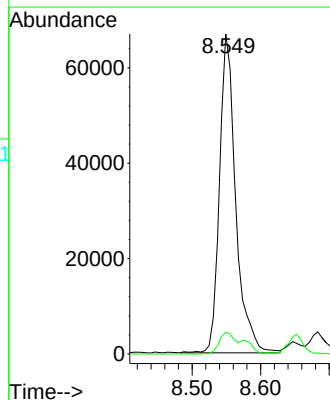
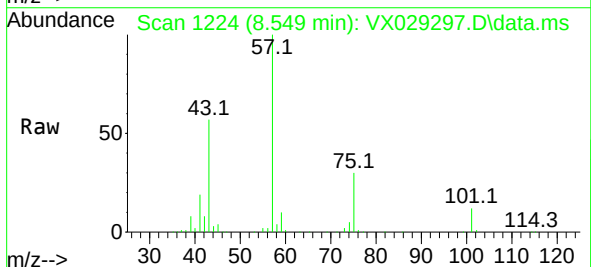
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

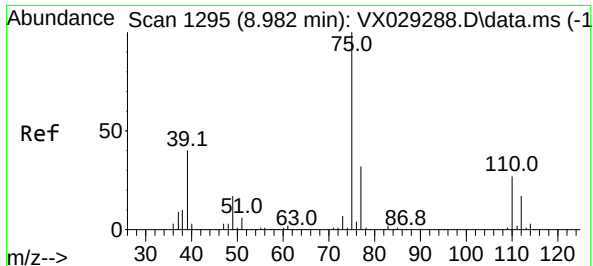
Tgt Ion: 98 Resp: 778208
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 11.374 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 43 Resp: 109609
Ion Ratio Lower Upper
43 100
58 6.7 36.1 54.1#





#53

t-1,3-Dichloropropene

Concen: 1.341 ug/l

RT: 8.988 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX029297.D

Acq: 08 Jun 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

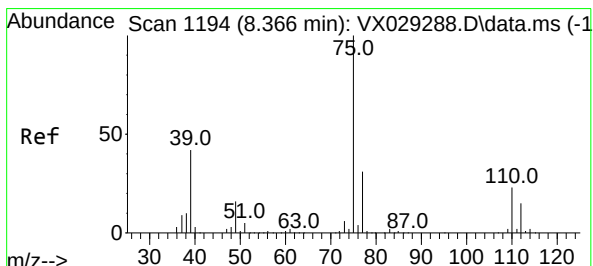
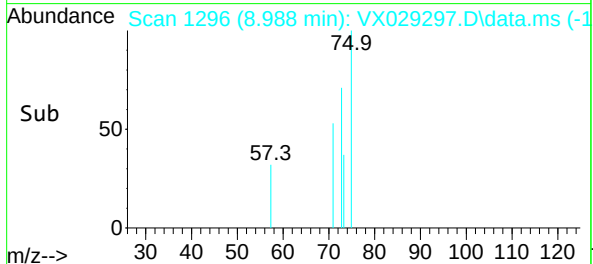
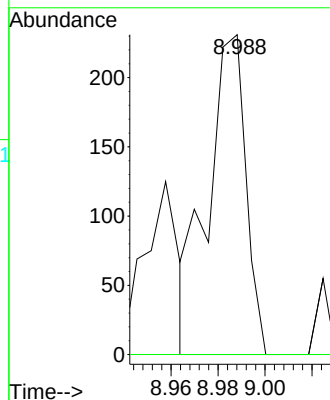
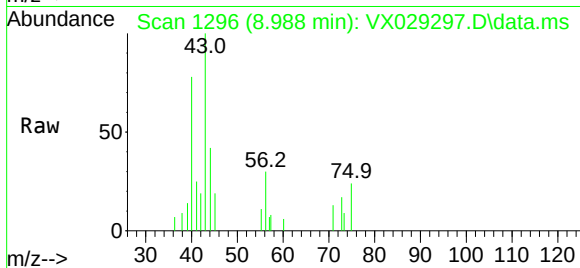
PB145355ZHE#01

Tgt Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 5.058 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX029297.D

Acq: 08 Jun 2022 00:44

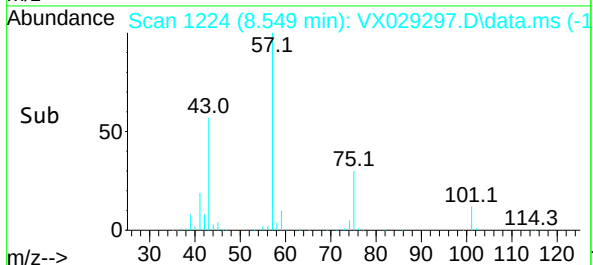
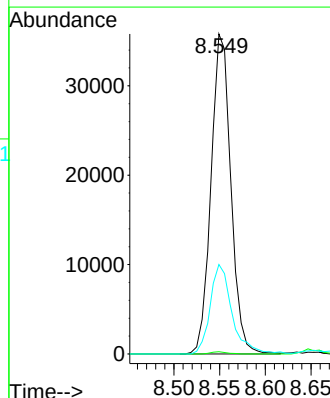
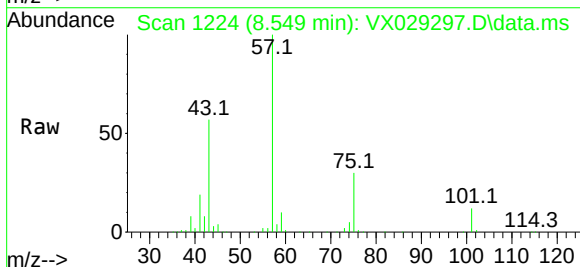
Tgt Ion: 75 Resp: 53955

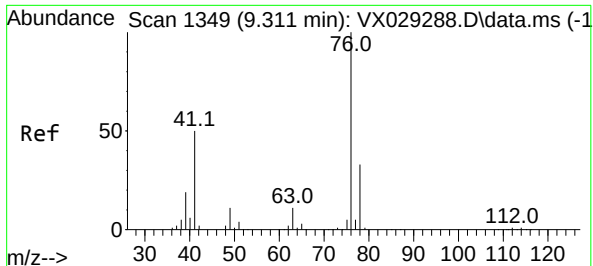
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 27.9 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 2.916 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029297.D

Acq: 08 Jun 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

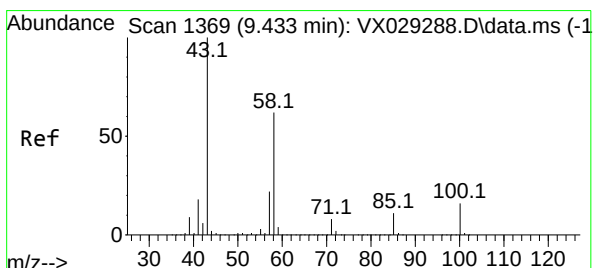
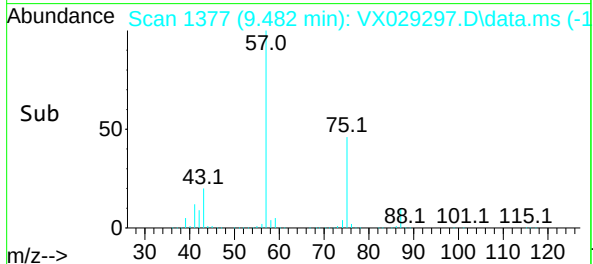
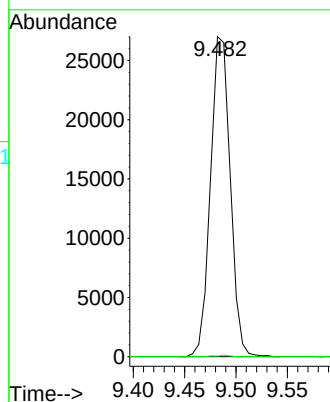
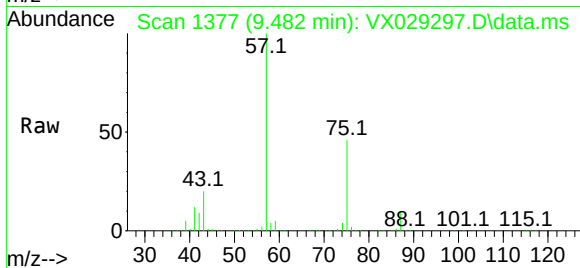
PB145355ZHE#01

Tgt Ion: 76 Resp: 36075

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 56.519 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029297.D

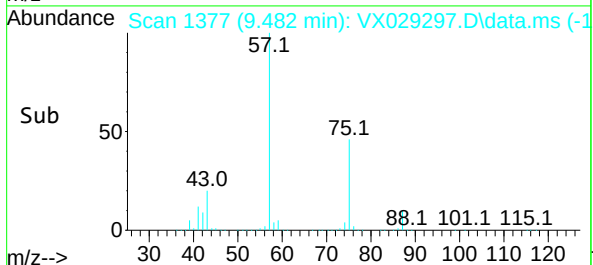
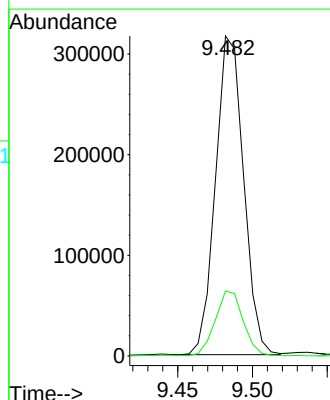
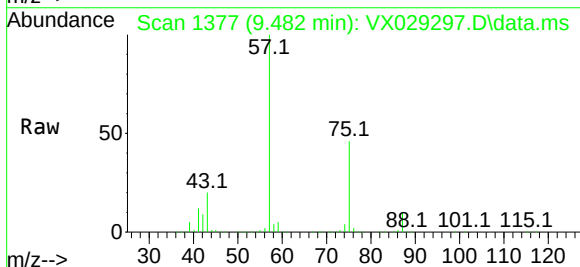
Acq: 08 Jun 2022 00:44

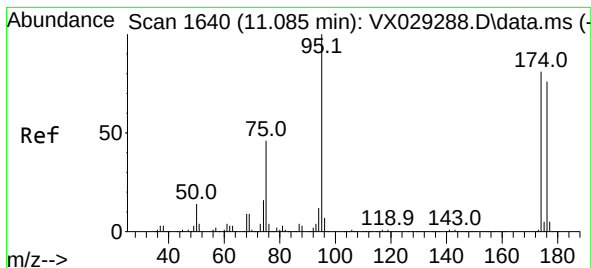
Tgt Ion: 43 Resp: 414095

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#

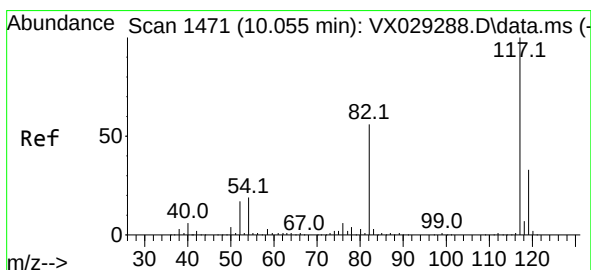
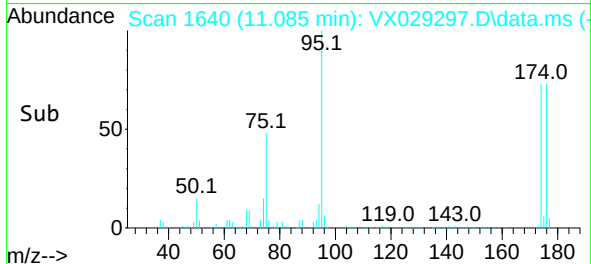
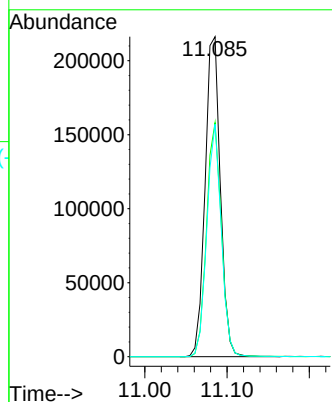
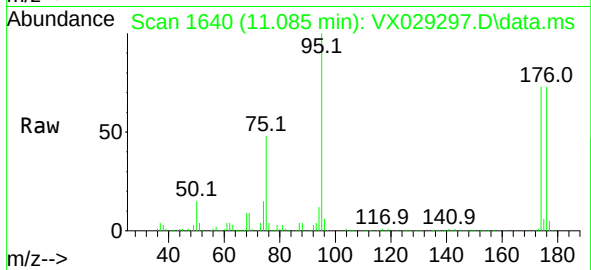




#62
4-Bromofluorobenzene
Concen: 35.047 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

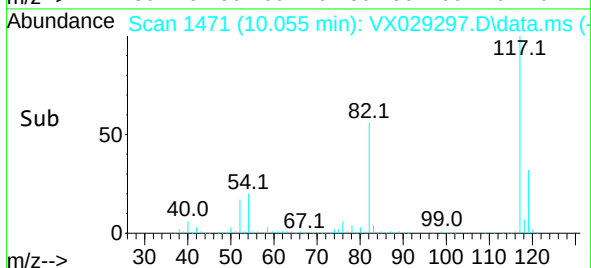
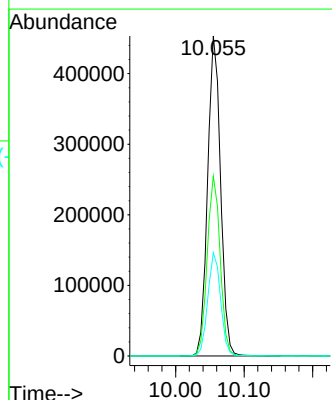
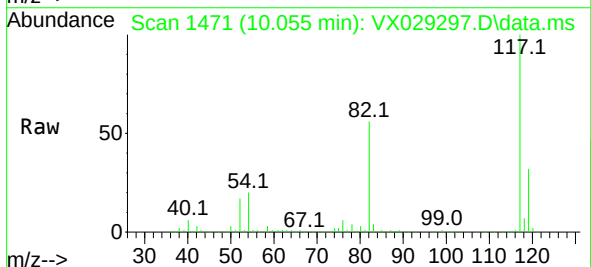
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

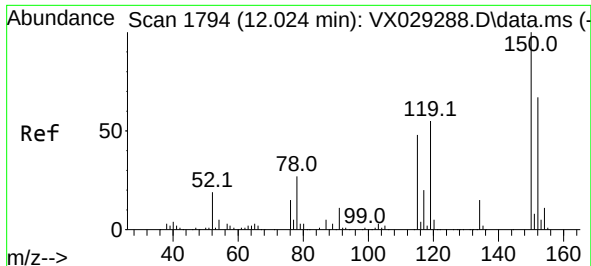
Tgt Ion: 95 Resp: 278805
Ion Ratio Lower Upper
95 100
174 71.3 0.0 163.0
176 69.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

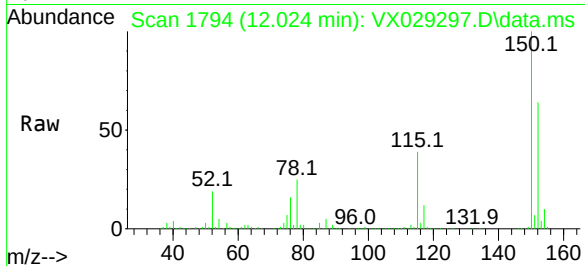
Tgt Ion: 117 Resp: 595763
Ion Ratio Lower Upper
117 100
82 56.2 41.8 62.8
119 32.2 24.8 37.2



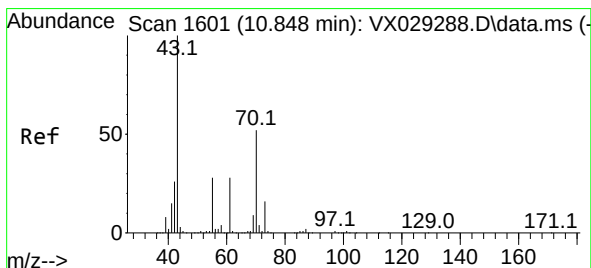
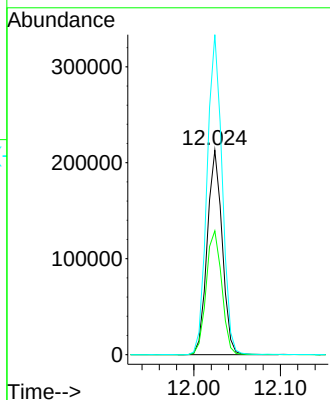
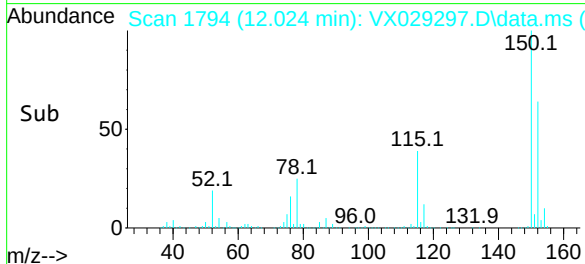


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

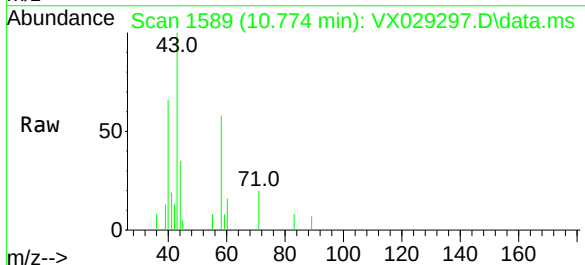
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01



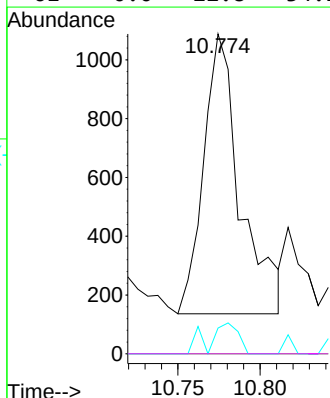
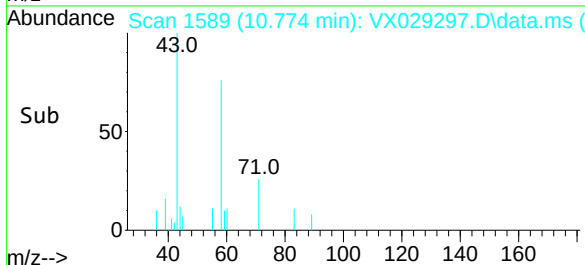
Tgt Ion:152 Resp: 255386
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 158.2 0.0 338.2

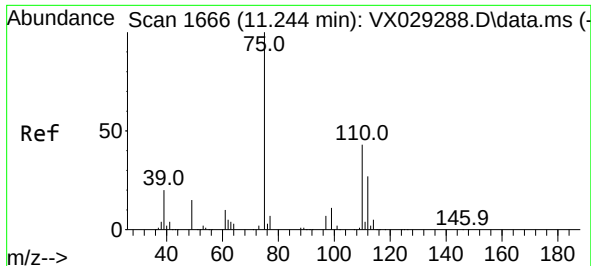


#74
N-ethyl acetate
Concen: 0.217 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44



Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 8.9 23.1 34.7#
61 0.0 22.8 34.2#

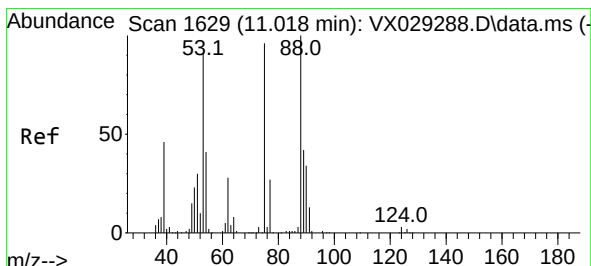
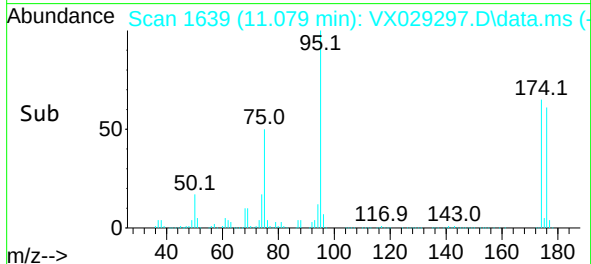
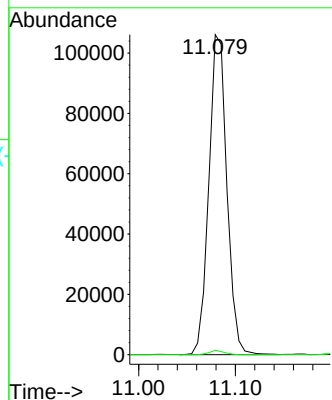
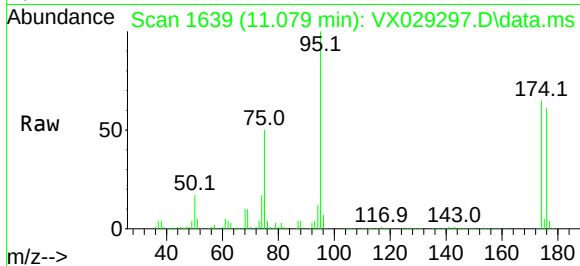




#76
1,2,3-Trichloropropane
Concen: 23.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#01

Tgt Ion: 75 Resp: 137937
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.948 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029297.D
Acq: 08 Jun 2022 00:44

Tgt Ion: 75 Resp: 137937
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

