

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033627.D
 Acq On : 06 Jan 2023 13:52
 Operator : JC/MD
 Sample : PB050057ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#04

Quant Time: Jan 07 04:24:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

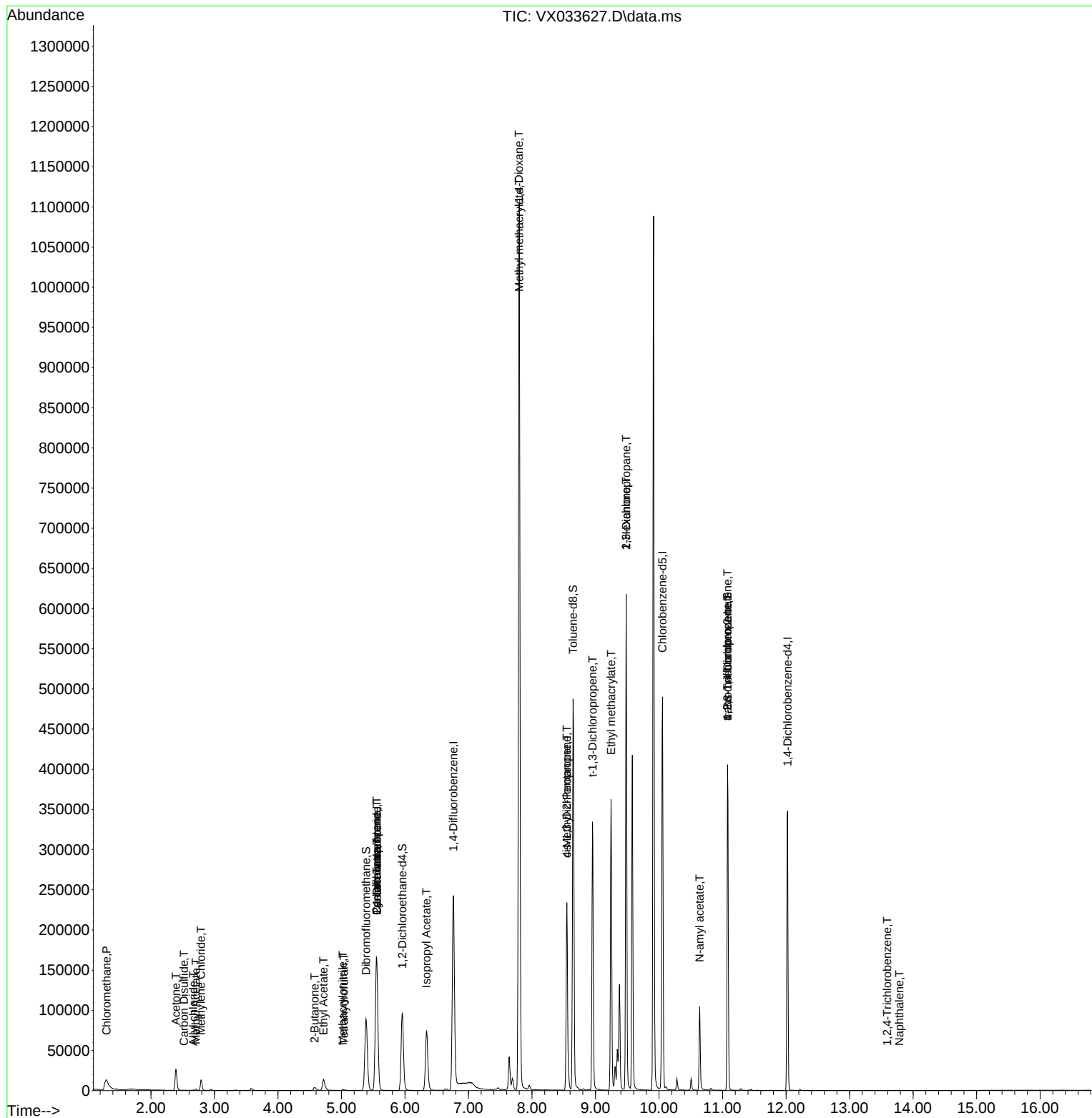
Internal Standards						
1) Pentafluorobenzene	5.556	168	170654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248503	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94283	48.941	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.880%		
35) Dibromofluoromethane	5.385	113	76643	46.923	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.840%		
50) Toluene-d8	8.646	98	289215	49.539	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.080%		
62) 4-Bromofluorobenzene	11.079	95	102257	49.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.820%		
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	1063	0.614	ug/l #	42
14) Allyl chloride	2.666	41	643	0.242	ug/l #	41
16) Acetone	2.391	43	35421	43.088	ug/l	95
17) Carbon Disulfide	2.519	76	414	1.731	ug/l #	74
18) Methyl Acetate	2.708	43	2226	0.834	ug/l	95
20) Methylene Chloride	2.788	84	6192	1.687	ug/l	93
25) 2-Butanone	4.574	43	7284	5.791	ug/l	92
29) Tetrahydrofuran	5.037	42	1078	1.351	ug/l #	83
31) Cyclohexane	5.556	56	2929	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11254	5.086	ug/l #	50
37) Ethyl Acetate	4.714	43	24594	8.258	ug/l	98
38) Carbon Tetrachloride	5.556	117	15797	6.747	ug/l #	16
41) Methacrylonitrile	5.019	41	439	0.327	ug/l #	48
43) Isopropyl Acetate	6.336	43	105898	27.994	ug/l	99
48) Methyl methacrylate	7.799	41	95125	49.678	ug/l #	44
49) 1,4-Dioxane	7.793	88	127	3.118	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86735	36.226	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	742	0.417	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37088	14.829	ug/l #	61
56) Ethyl methacrylate	9.244	69	598	0.241	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4893	1.717	ug/l #	42
59) 2-Hexanone	9.482	43	71995	40.705	ug/l #	52
74) N-amyl acetate	10.640	43	28750	13.476	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	50675	37.101	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	50675	112.605	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	118	1.663	ug/l #	83
95) Naphthalene	13.786	128	229	3.159	ug/l #	69

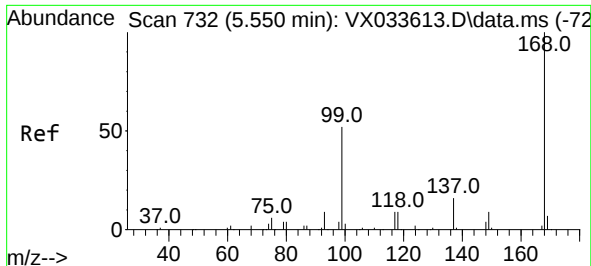
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
Data File : VX033627.D
Acq On : 06 Jan 2023 13:52
Operator : JC/MD
Sample : PB050057ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

Quant Time: Jan 07 04:24:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 05 04:43:25 2023
Response via : Initial Calibration

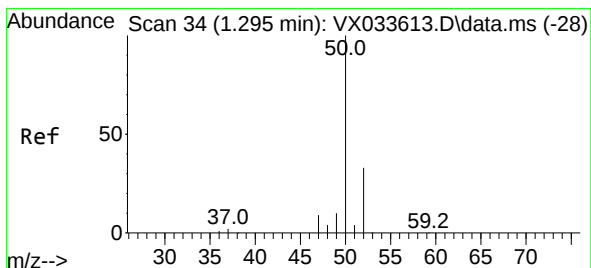
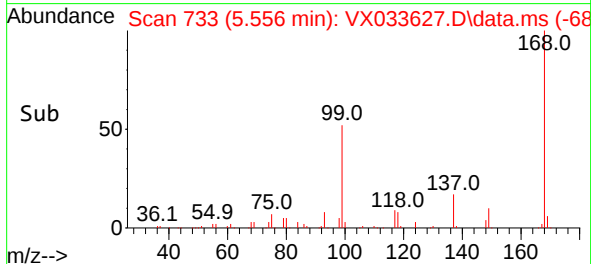
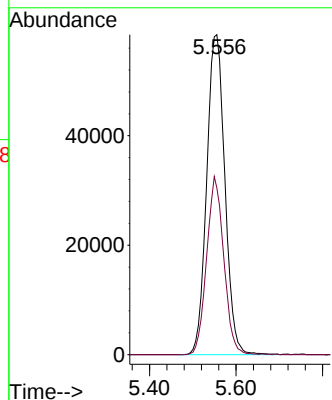
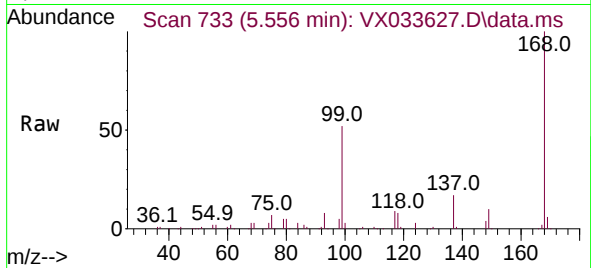




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

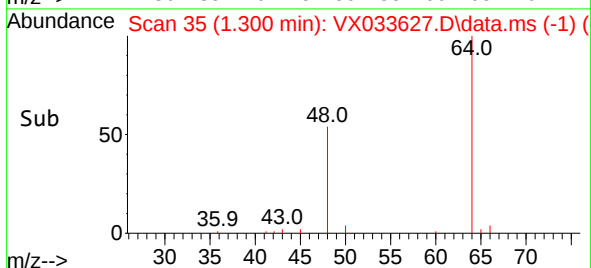
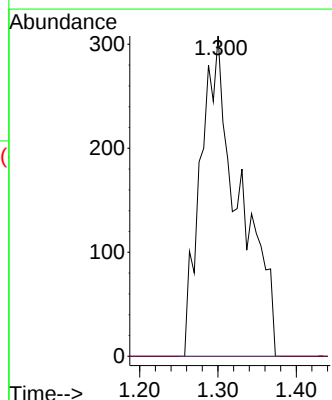
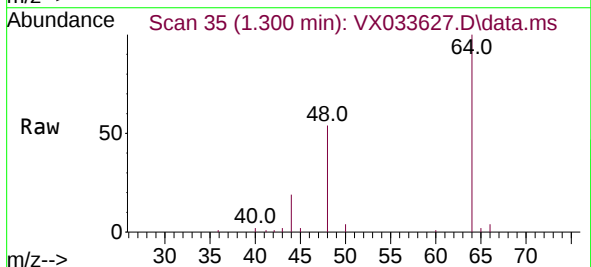
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

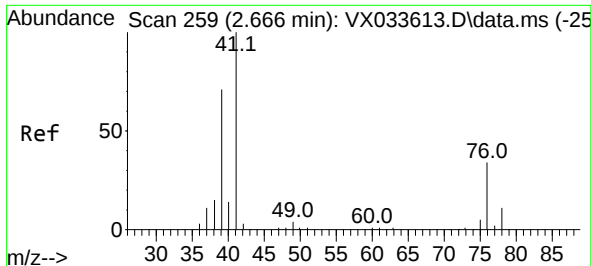
Tgt Ion:168 Resp: 170654
Ion Ratio Lower Upper
168 100
99 52.1 41.4 62.2



#3
Chloromethane
Concen: 0.614 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion: 50 Resp: 1063
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

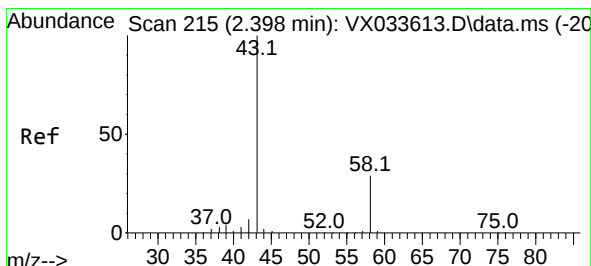
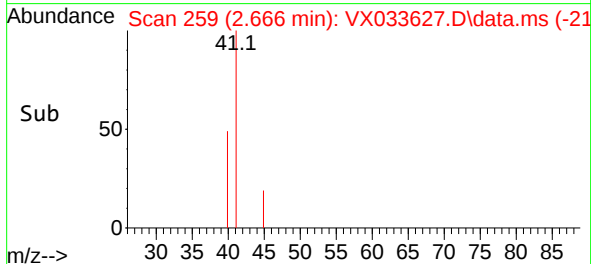
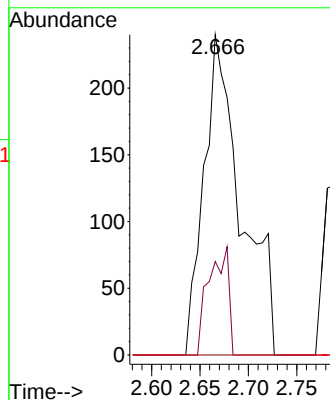
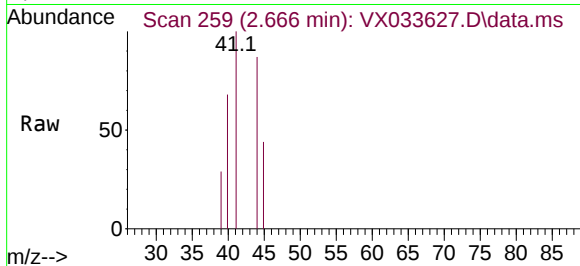




#14
 Allyl chloride
 Concen: 0.242 ug/l
 RT: 2.666 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX033627.D
 Acq: 06 Jan 2023 13:52

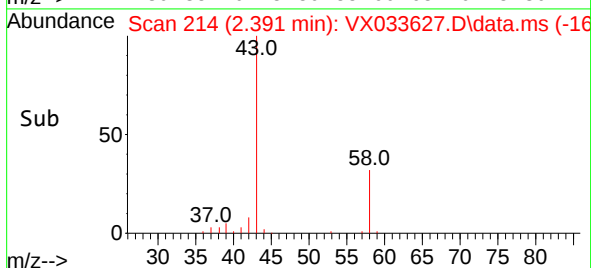
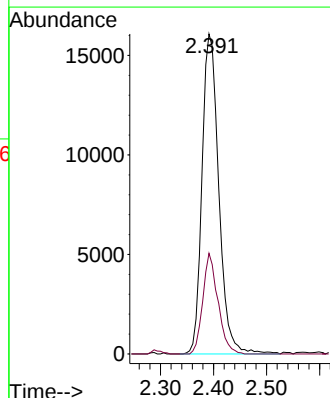
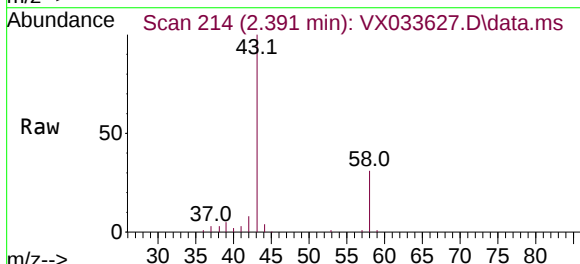
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#04

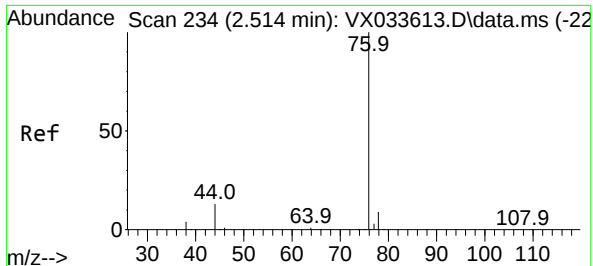
Tgt Ion: 41	Resp: 643
Ion Ratio	Lower Upper
41 100	
39 18.0	53.3 79.9#
76 0.0	25.0 37.4#



#16
 Acetone
 Concen: 43.088 ug/l
 RT: 2.391 min Scan# 214
 Delta R.T. -0.007 min
 Lab File: VX033627.D
 Acq: 06 Jan 2023 13:52

Tgt Ion: 43	Resp: 35421
Ion Ratio	Lower Upper
43 100	
58 31.5	22.9 34.3

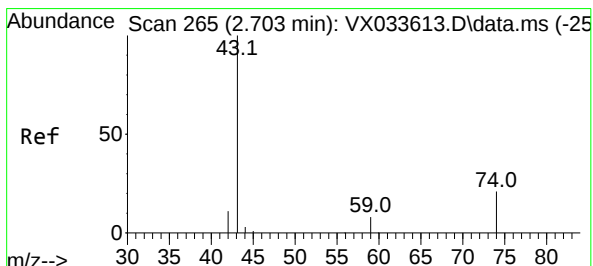
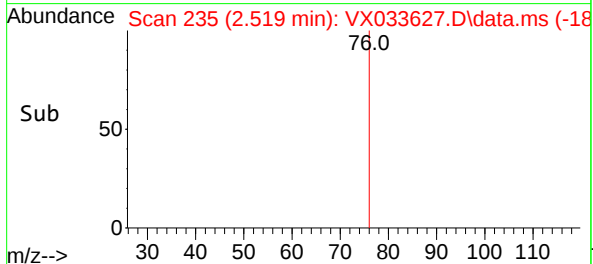
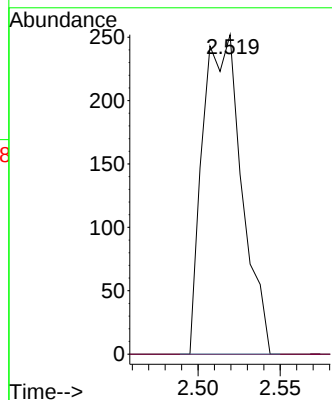
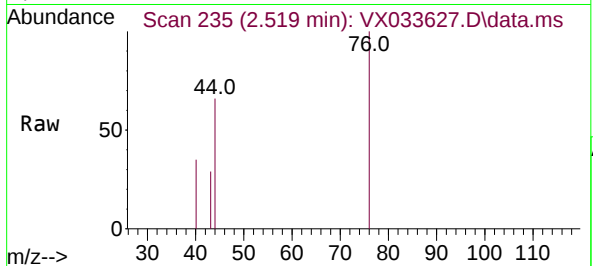




#17
Carbon Disulfide
Concen: 1.731 ug/l
RT: 2.519 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

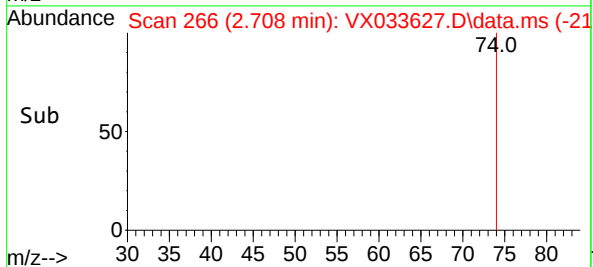
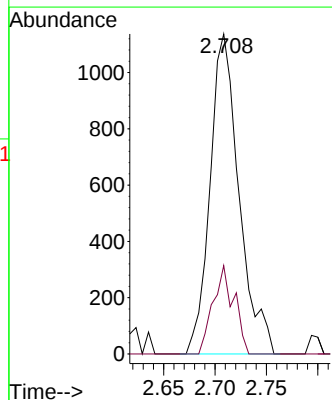
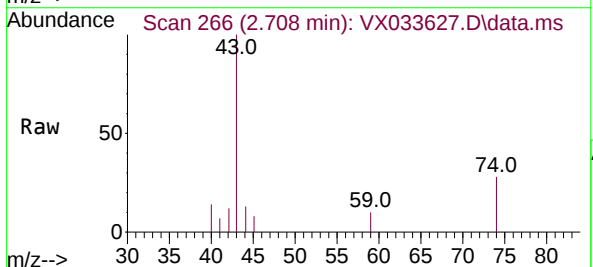
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

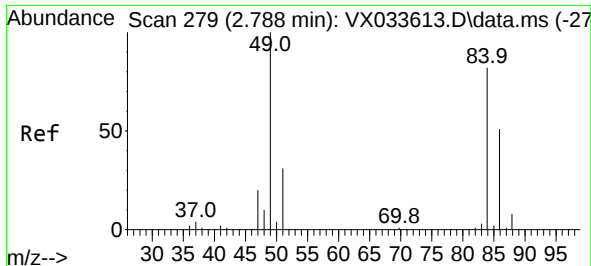
Tgt Ion: 76 Resp: 414
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.834 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

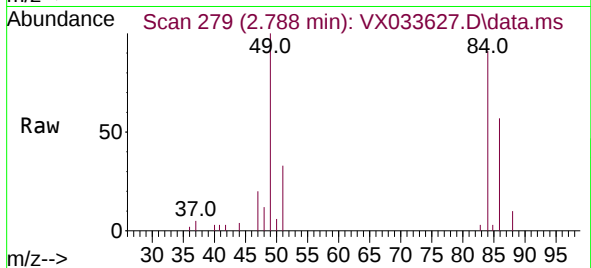
Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
74 20.1 17.9 26.9



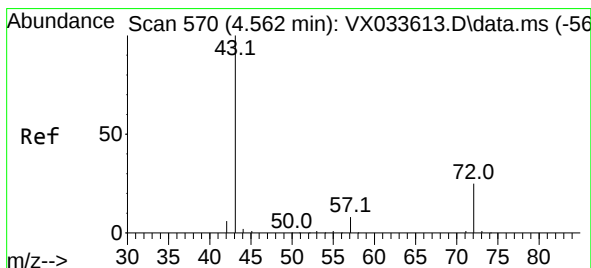
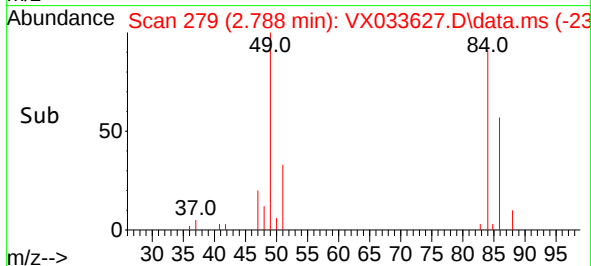
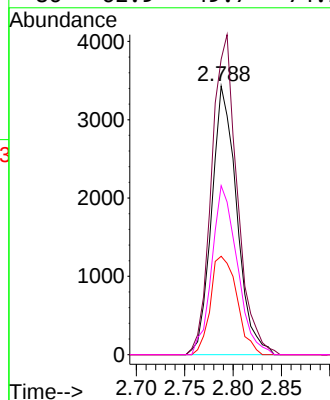


#20
Methylene Chloride
Concen: 1.687 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

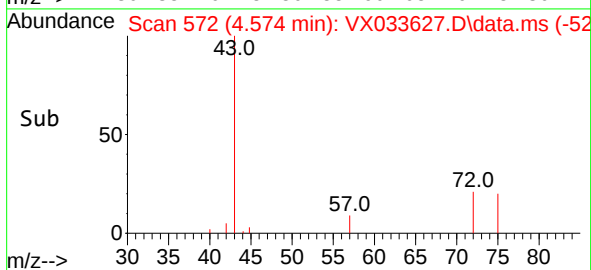
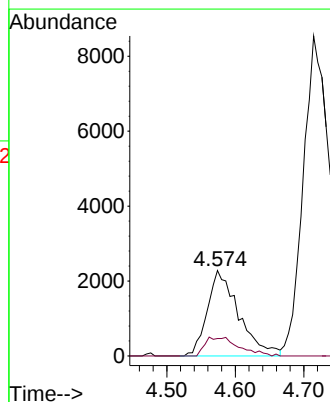
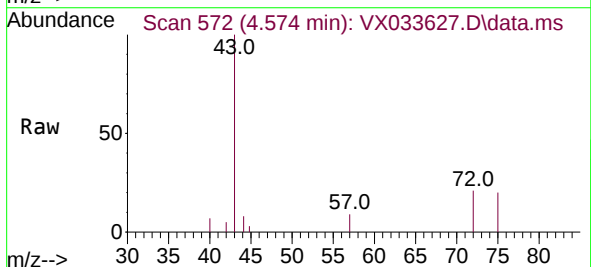


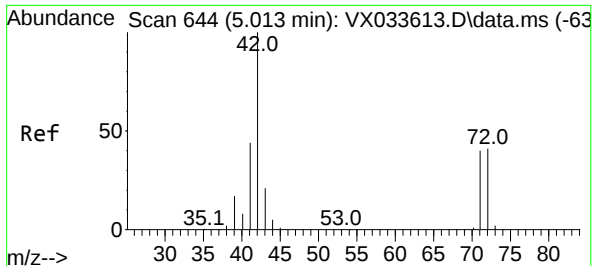
Tgt Ion:	84	Resp:	6192
Ion	Ratio	Lower	Upper
84	100		
49	109.9	97.6	146.4
51	36.6	30.4	45.6
86	62.9	49.7	74.5



#25
2-Butanone
Concen: 5.791 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion:	43	Resp:	7284
Ion	Ratio	Lower	Upper
43	100		
72	20.5	19.8	29.6





#29

Tetrahydrofuran

Concen: 1.351 ug/l

RT: 5.037 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#04

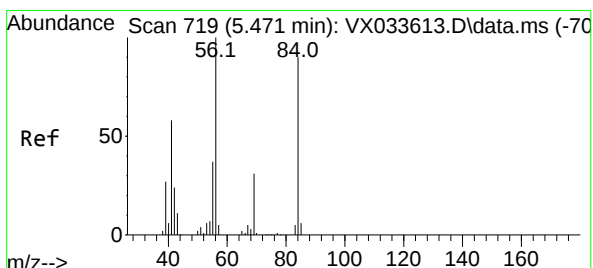
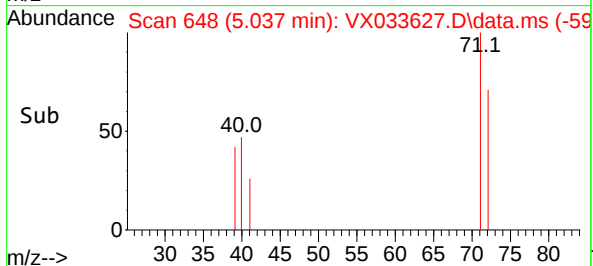
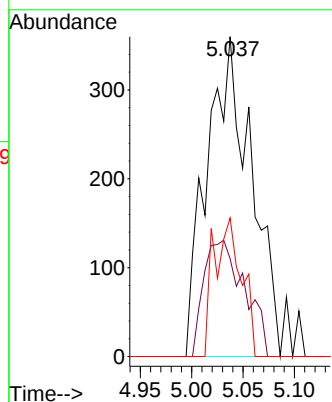
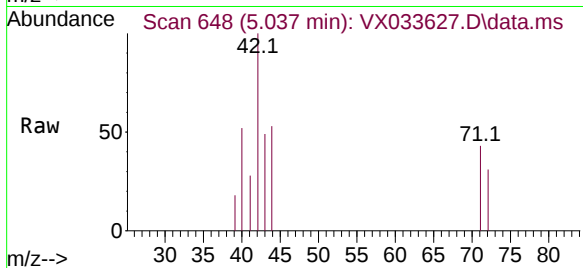
Tgt Ion: 42 Resp: 1078

Ion Ratio Lower Upper

42 100

72 33.4 34.2 51.4#

71 26.9 31.4 47.0#



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

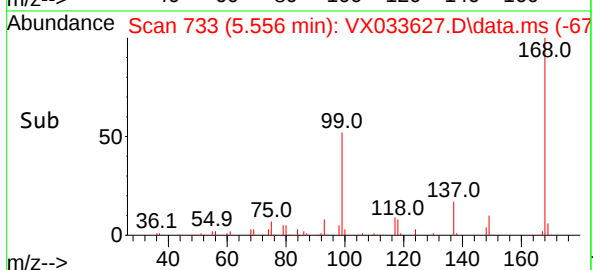
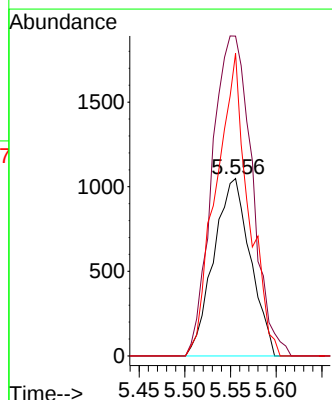
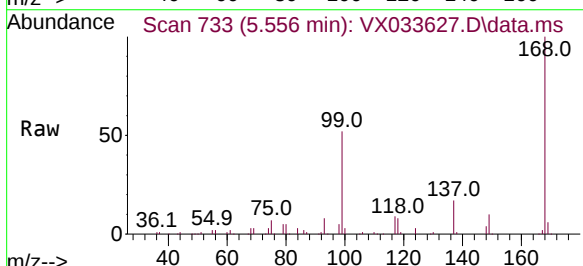
Tgt Ion: 56 Resp: 2929

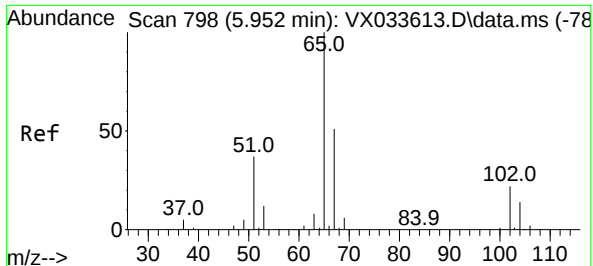
Ion Ratio Lower Upper

56 100

69 180.3 24.6 36.8#

84 170.6 72.2 108.2#





#33

1,2-Dichloroethane-d4

Concen: 48.941 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

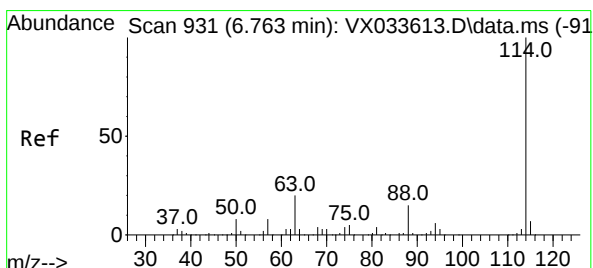
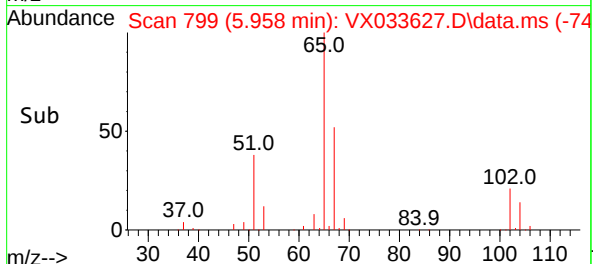
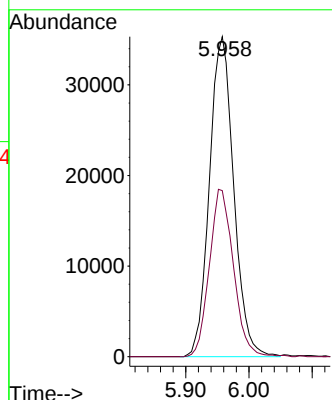
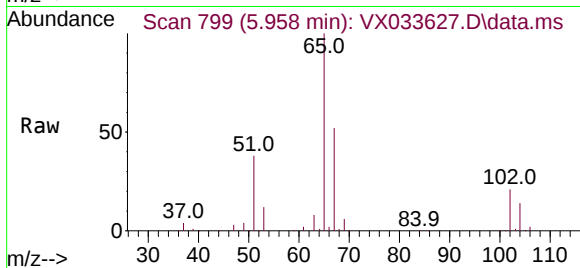
PB050057ZHE#04

Tgt Ion: 65 Resp: 94283

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

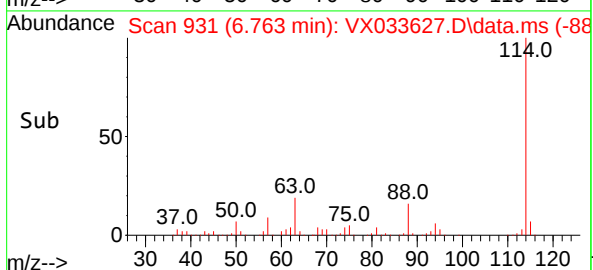
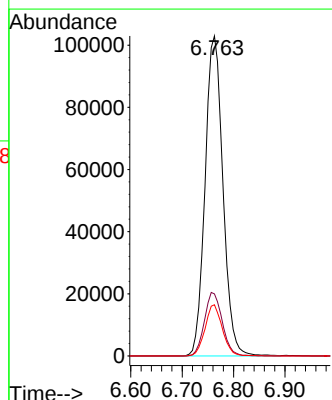
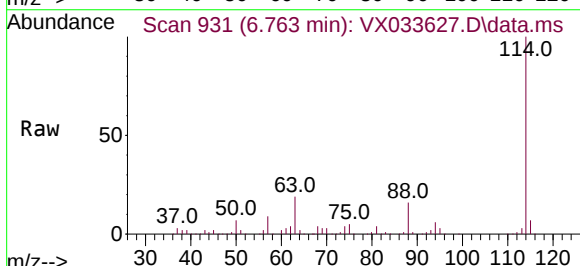
Tgt Ion: 114 Resp: 248503

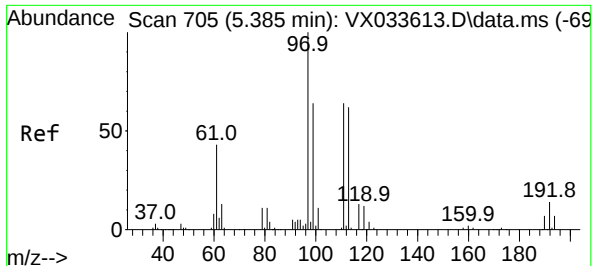
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 16.0 0.0 29.6

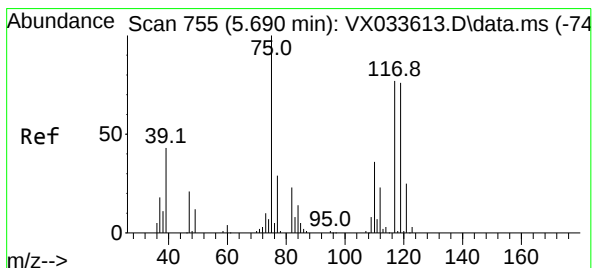
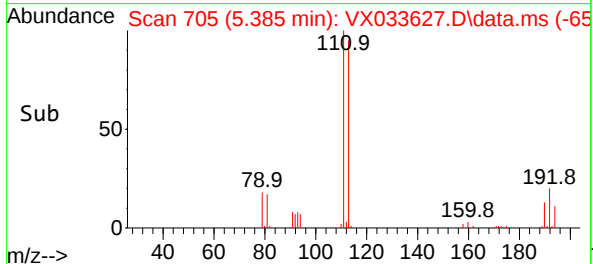
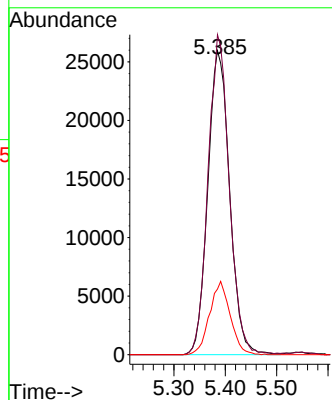
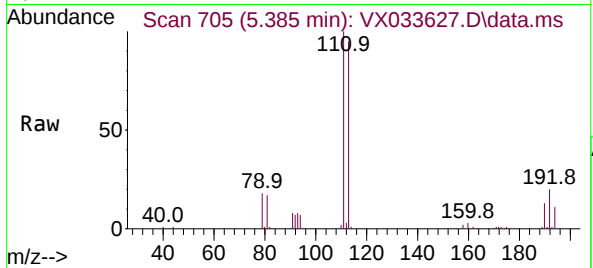




#35
Dibromofluoromethane
Concen: 46.923 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

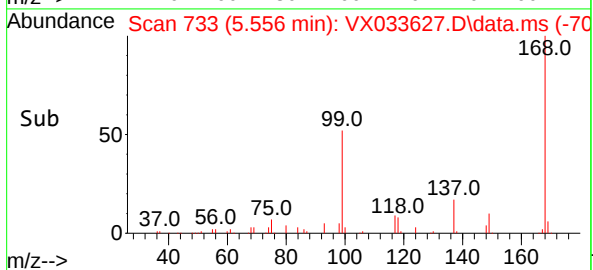
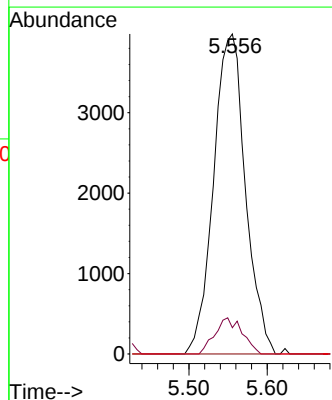
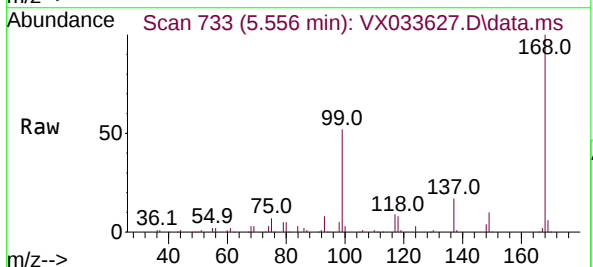
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

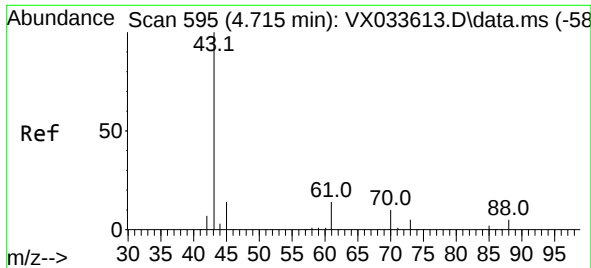
Tgt Ion:113 Resp: 76643
Ion Ratio Lower Upper
113 100
111 102.2 81.2 121.8
192 22.8 18.2 27.2



#36
1,1-Dichloropropene
Concen: 5.086 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.135 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion: 75 Resp: 11254
Ion Ratio Lower Upper
75 100
110 9.7 18.0 54.0#
77 0.0 24.5 36.7#

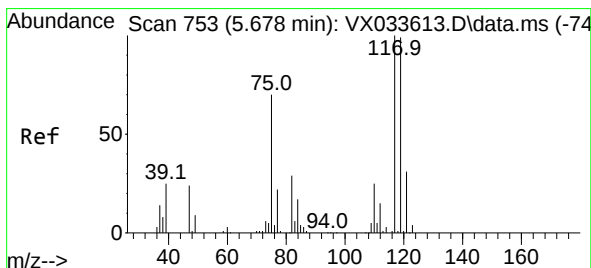
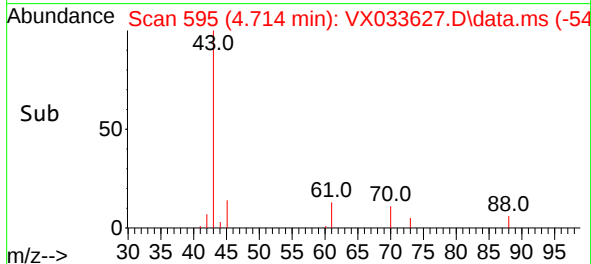
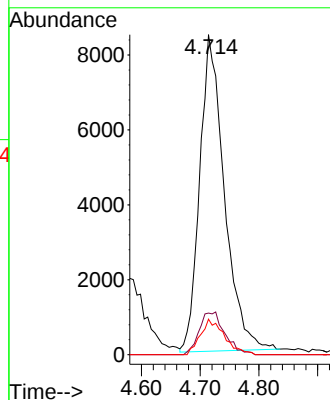
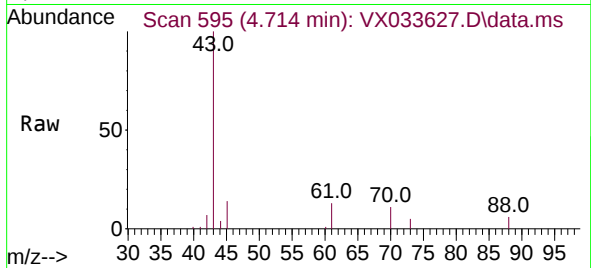




#37
Ethyl Acetate
Concen: 8.258 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

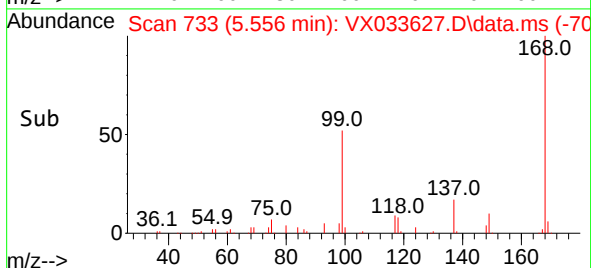
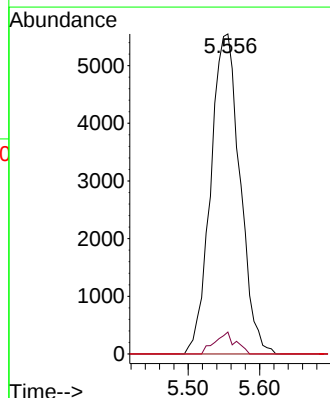
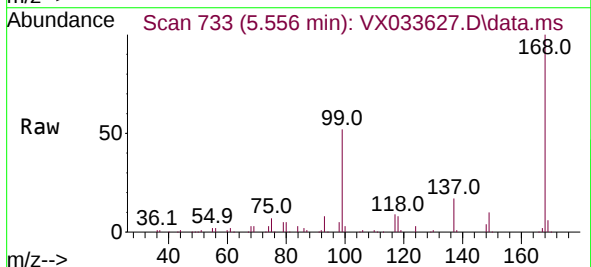
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

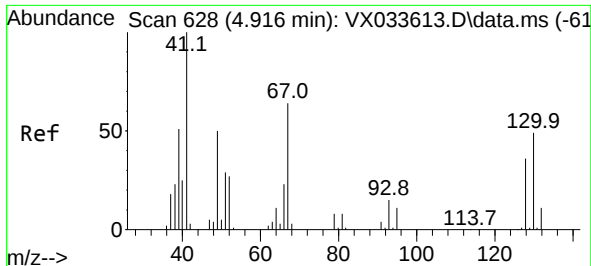
Tgt Ion:	43	Resp:	24594
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.6	16.0
70	10.9	8.1	12.1



#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion:	117	Resp:	15797
Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.8	118.2#
121	0.0	24.9	37.3#

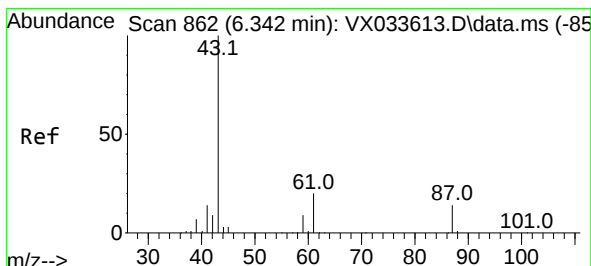
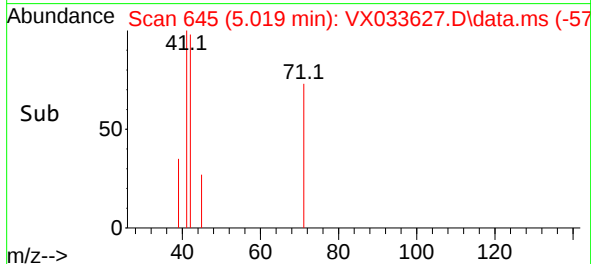
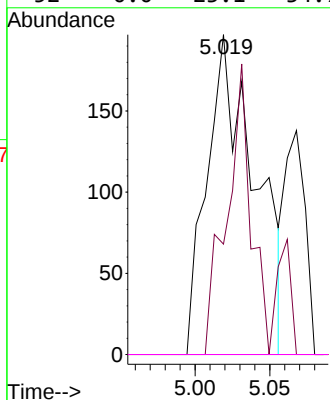
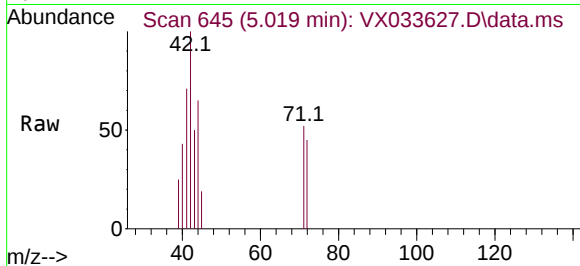




#41
Methacrylonitrile
Concen: 0.327 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.103 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

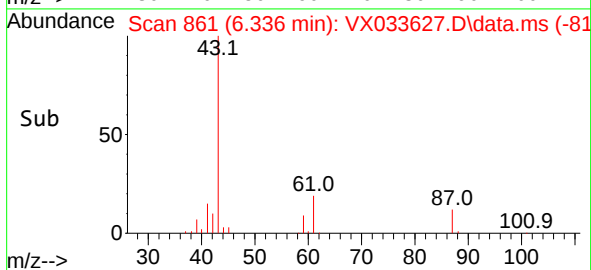
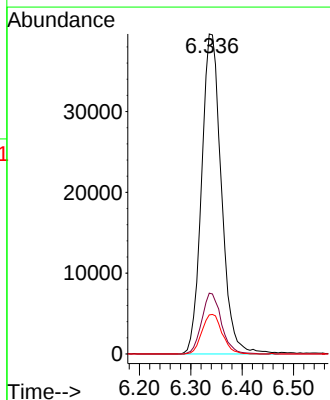
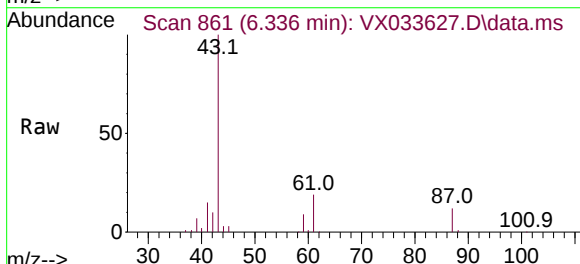
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

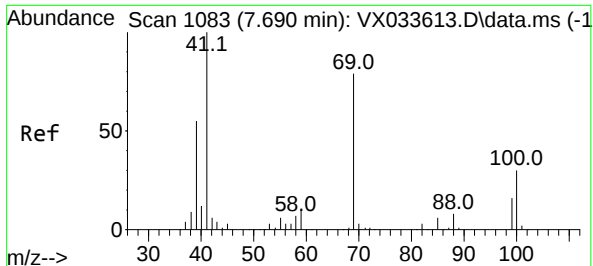
Tgt Ion: 41	Resp:	439
Ion	Ratio	Lower Upper
41	100	
39	46.0	44.1 66.1
67	0.0	53.8 80.6#
52	0.0	23.1 34.7#



#43
Isopropyl Acetate
Concen: 27.994 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.007 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion: 43	Resp:	105898
Ion	Ratio	Lower Upper
43	100	
61	18.9	15.2 22.8
87	12.6	10.6 16.0





#48

Methyl methacrylate

Concen: 49.678 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#04

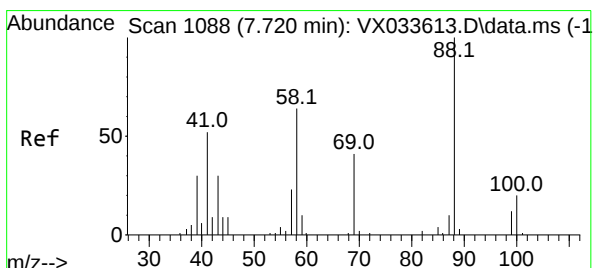
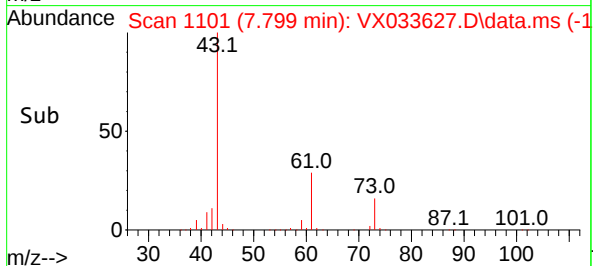
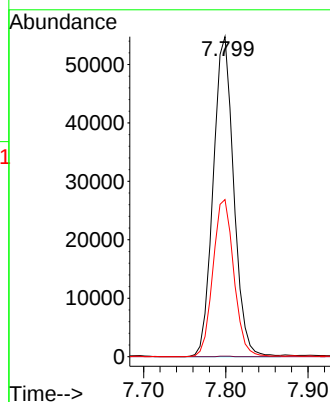
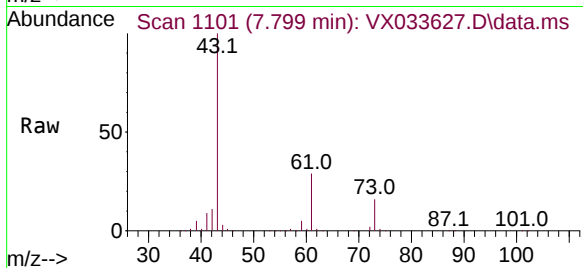
Tgt Ion: 41 Resp: 95125

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 50.0 44.8 67.2



#49

1,4-Dioxane

Concen: 3.118 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

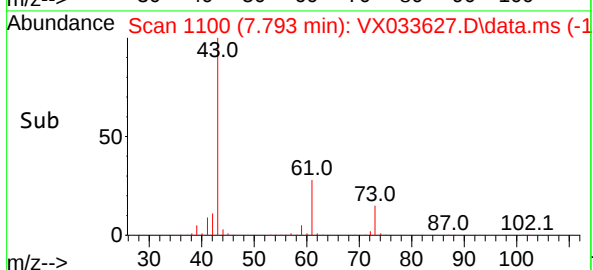
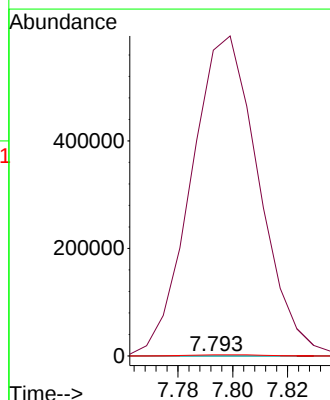
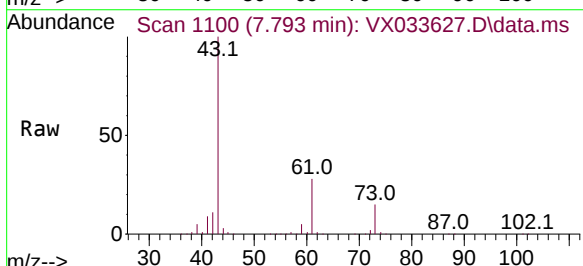
Tgt Ion: 88 Resp: 127

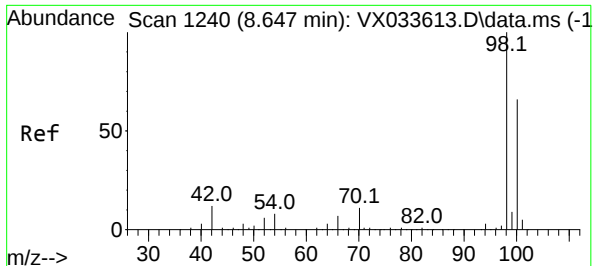
Ion Ratio Lower Upper

88 100

43 814421.3 24.1 36.1#

58 3170.9 57.1 85.7#





#50

Toluene-d8

Concen: 49.539 ug/l

RT: 8.646 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

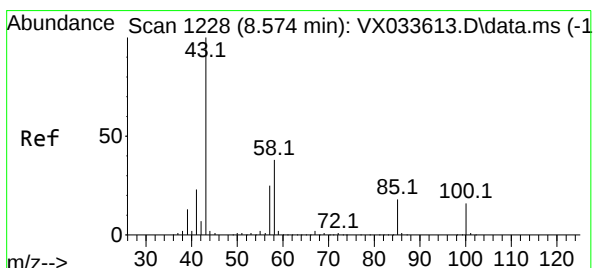
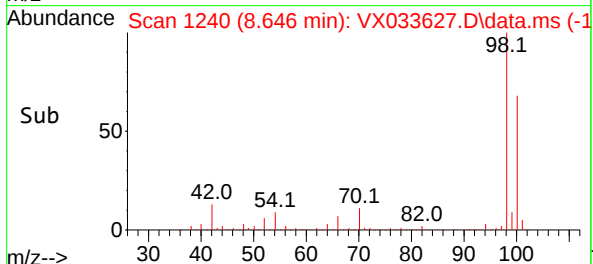
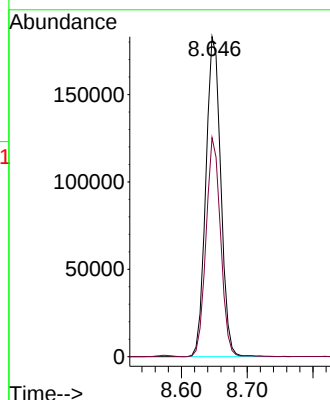
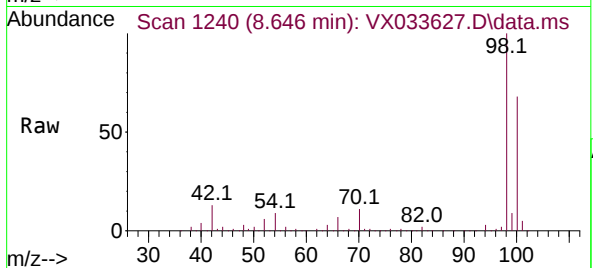
PB050057ZHE#04

Tgt Ion: 98 Resp: 289215

Ion Ratio Lower Upper

98 100

100 66.9 53.6 80.4



#51

4-Methyl-2-Pentanone

Concen: 36.226 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX033627.D

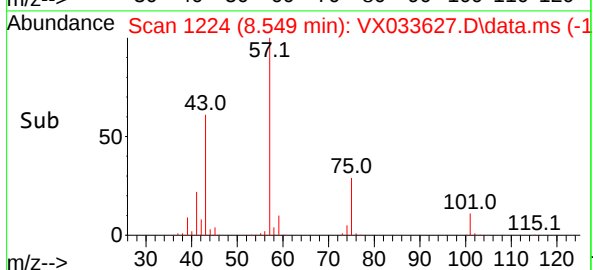
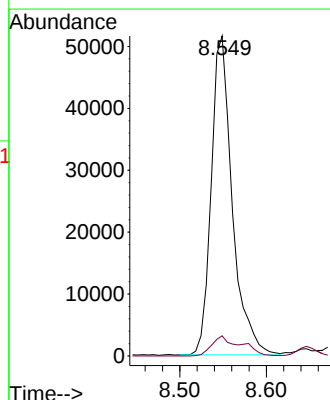
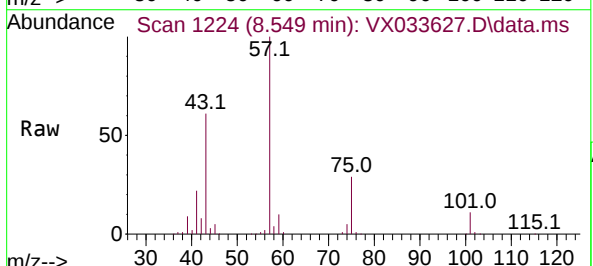
Acq: 06 Jan 2023 13:52

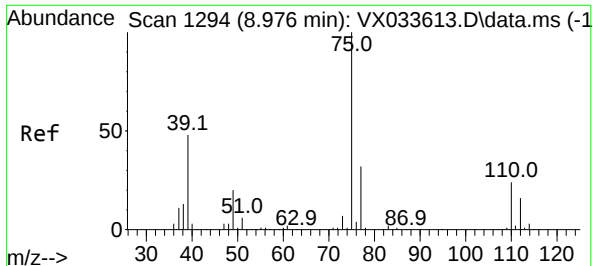
Tgt Ion: 43 Resp: 86735

Ion Ratio Lower Upper

43 100

58 8.8 30.5 45.7#





#53

t-1,3-Dichloropropene

Concen: 0.417 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

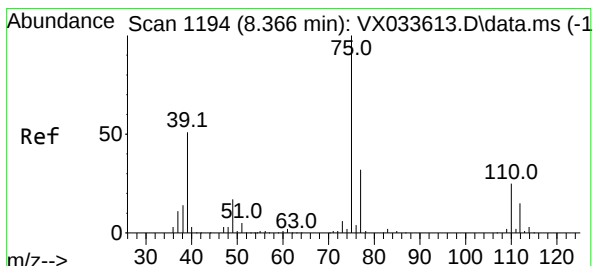
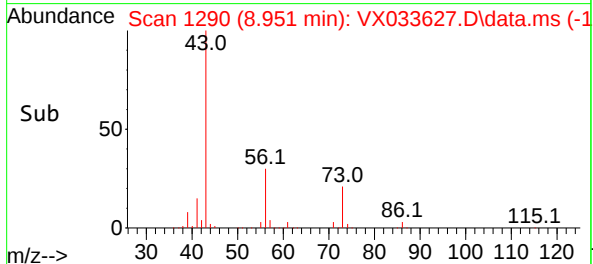
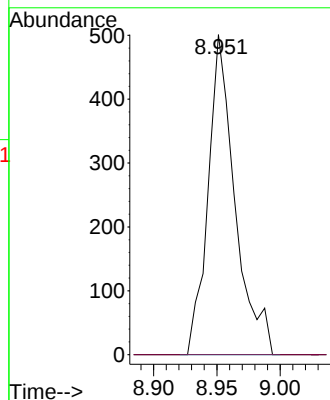
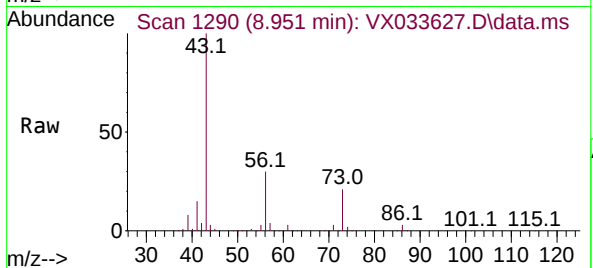
PB050057ZHE#04

Tgt Ion: 75 Resp: 742

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 14.829 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

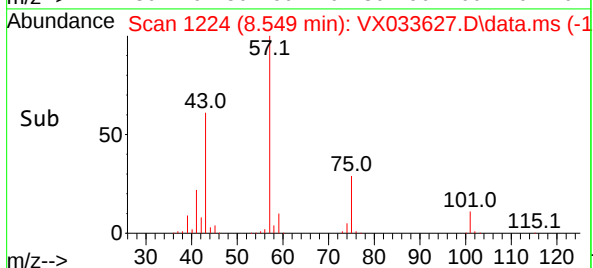
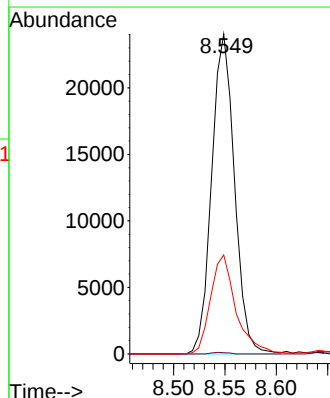
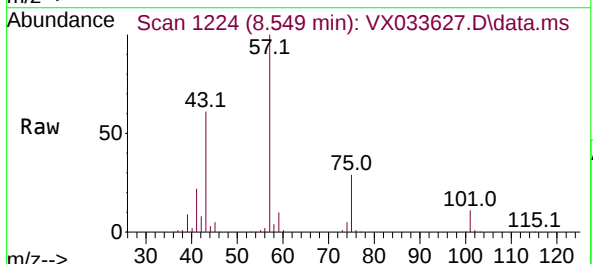
Tgt Ion: 75 Resp: 37088

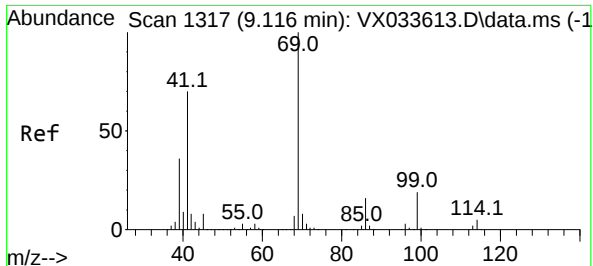
Ion Ratio Lower Upper

75 100

77 0.4 25.5 38.3#

39 30.9 40.6 61.0#





#56

Ethyl methacrylate

Concen: 0.241 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#04

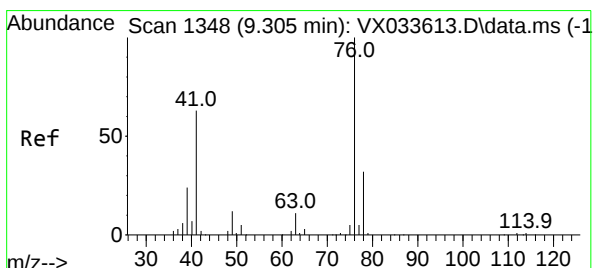
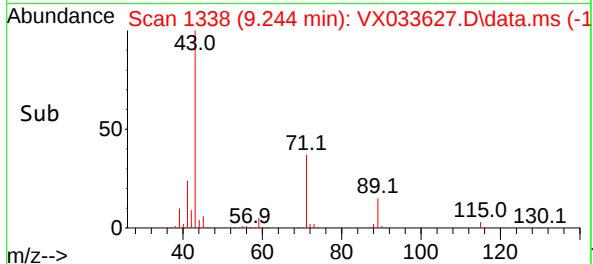
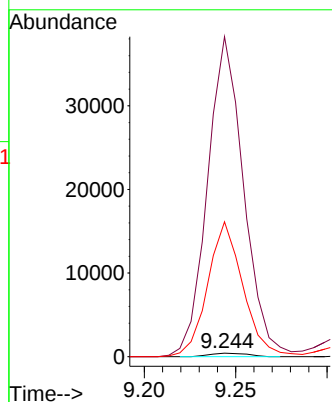
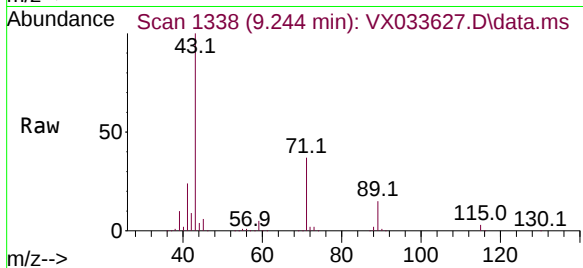
Tgt Ion: 69 Resp: 598

Ion Ratio Lower Upper

69 100

41 8836.0 56.6 84.8#

39 3649.3 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.717 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX033627.D

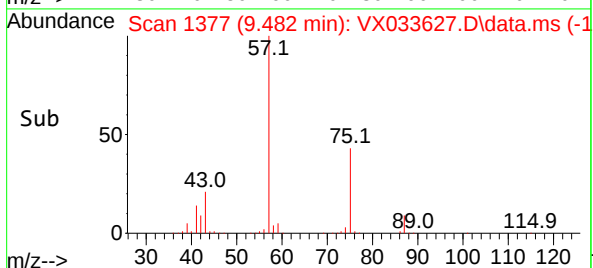
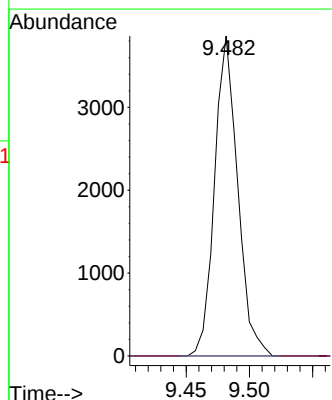
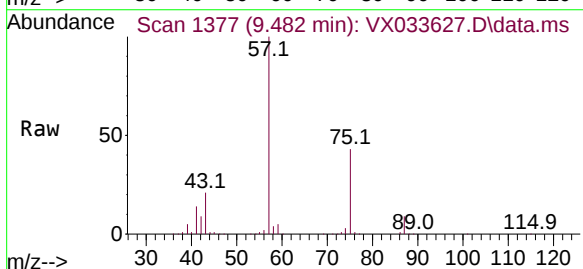
Acq: 06 Jan 2023 13:52

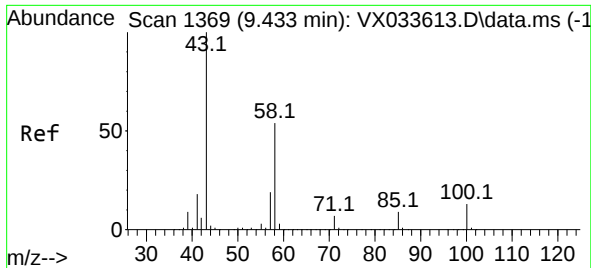
Tgt Ion: 76 Resp: 4893

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 40.705 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.048 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

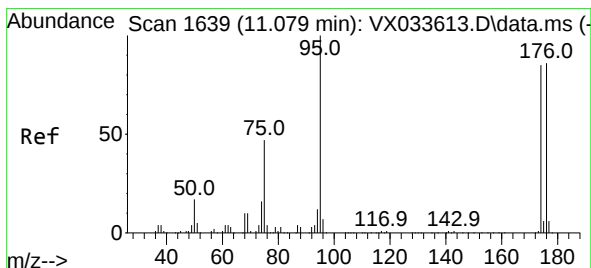
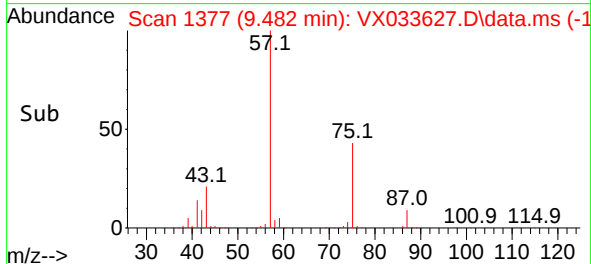
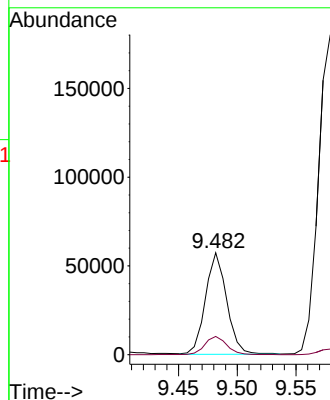
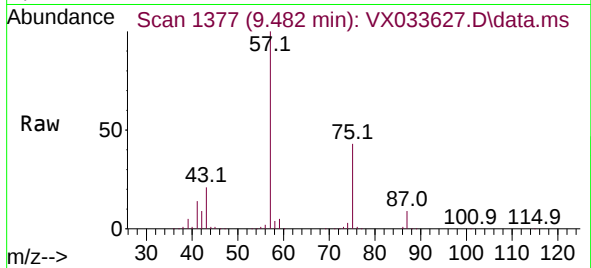
PB050057ZHE#04

Tgt Ion: 43 Resp: 71995

Ion Ratio Lower Upper

43 100

58 18.8 26.6 79.8#



#62

4-Bromofluorobenzene

Concen: 49.415 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033627.D

Acq: 06 Jan 2023 13:52

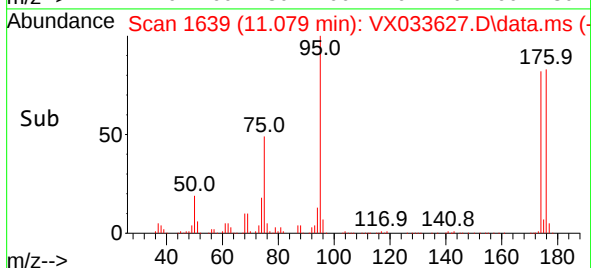
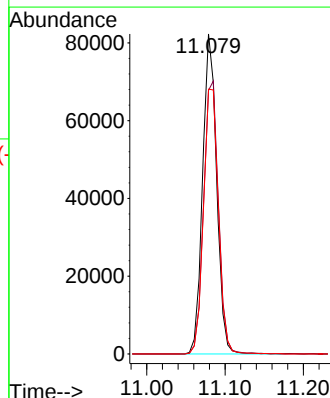
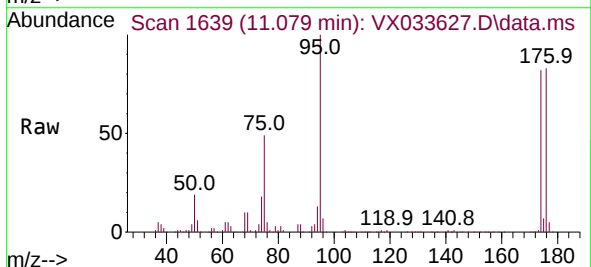
Tgt Ion: 95 Resp: 102257

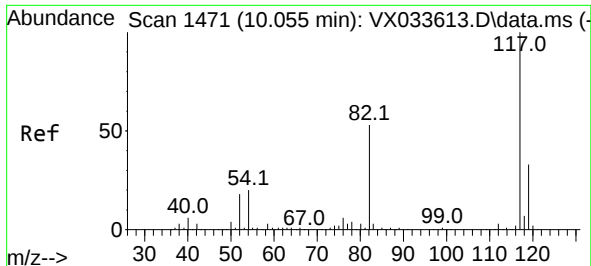
Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.4

176 88.4 0.0 176.2

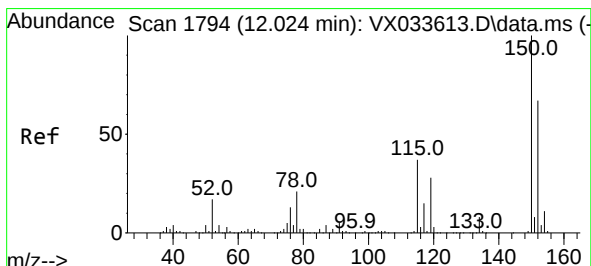
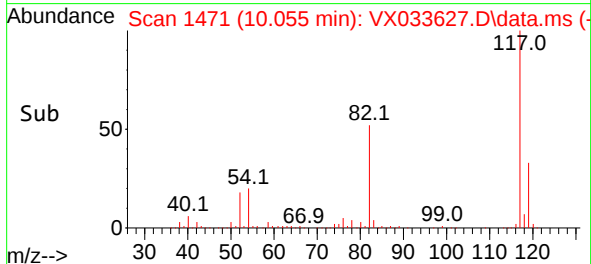
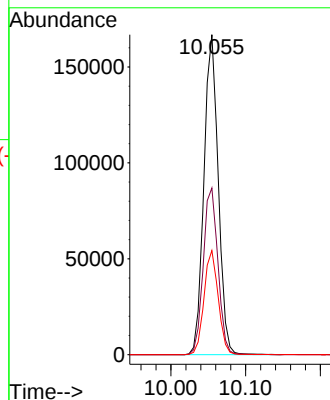
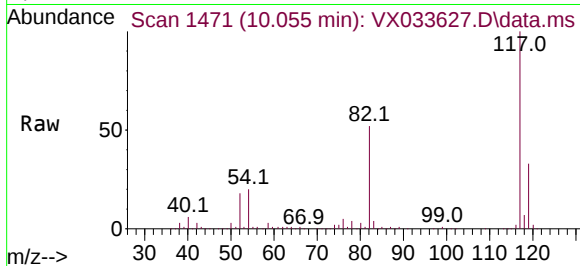




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

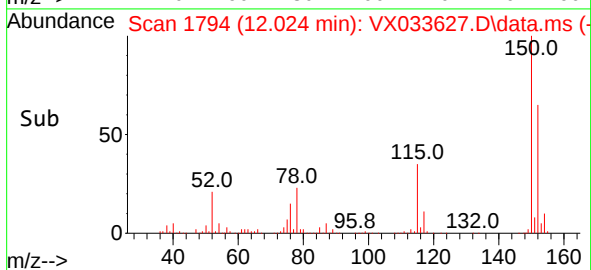
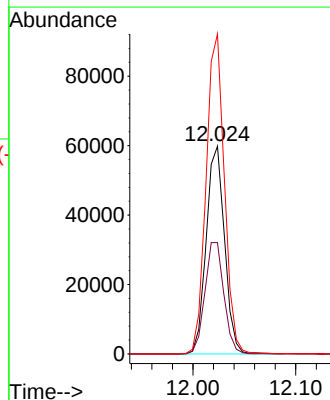
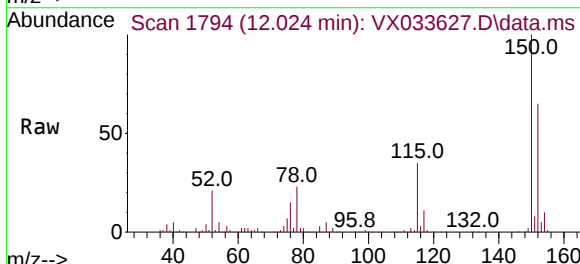
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

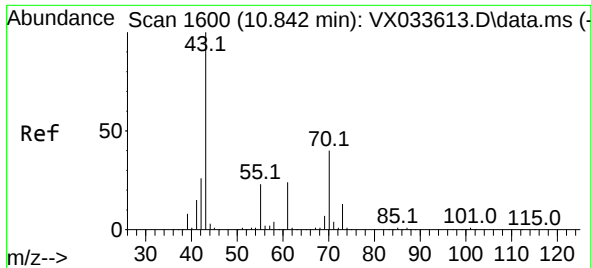
Tgt Ion:117 Resp: 222158
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion:152 Resp: 74556
Ion Ratio Lower Upper
152 100
115 55.6 38.5 115.5
150 153.5 0.0 340.4

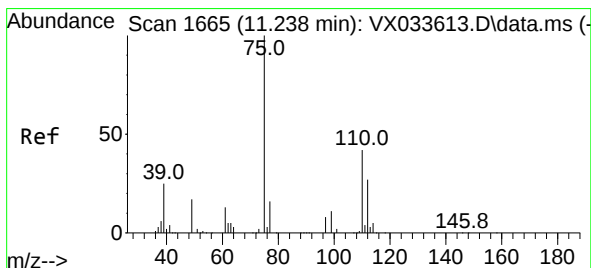
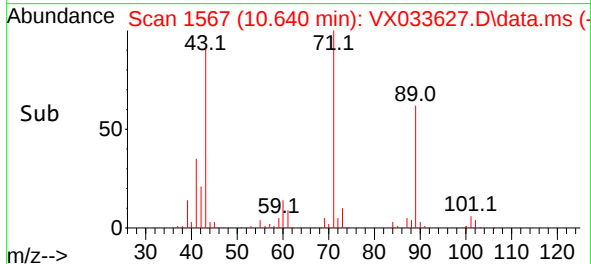
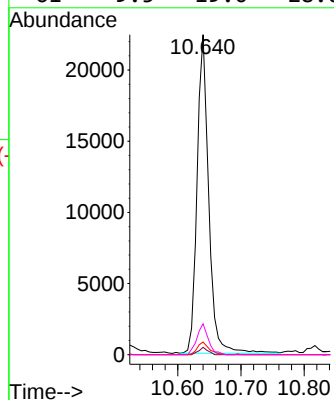
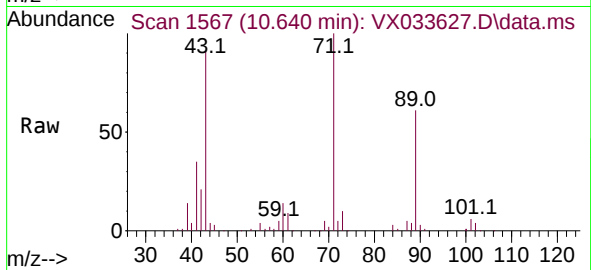




#74
N-amy1 acetate
Concen: 13.476 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.202 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

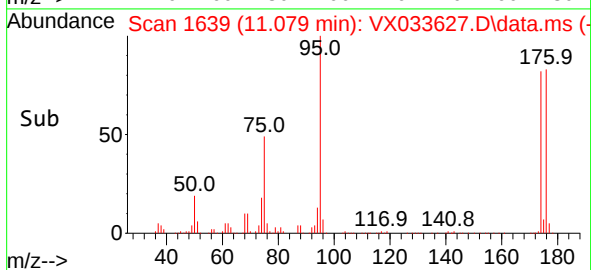
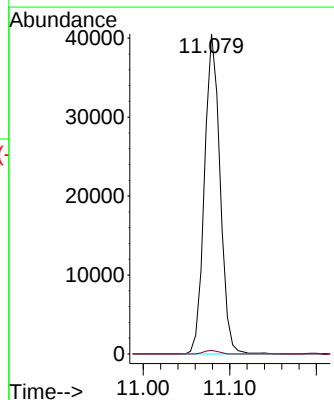
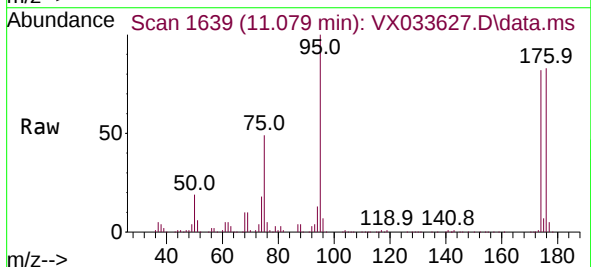
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

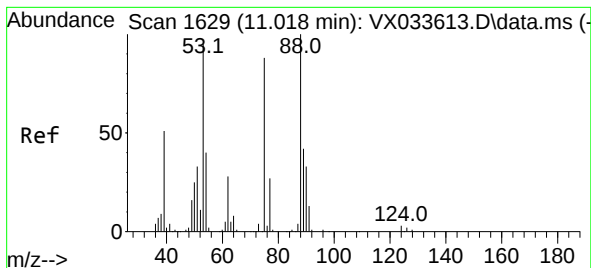
Tgt Ion: 43	Resp: 28750
Ion Ratio	Lower Upper
43	100
70	1.8 33.4 50.0#
55	4.0 18.6 27.8#
61	9.5 19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 37.101 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion: 75	Resp: 50675
Ion Ratio	Lower Upper
75	100
77	1.0 21.3 63.9#

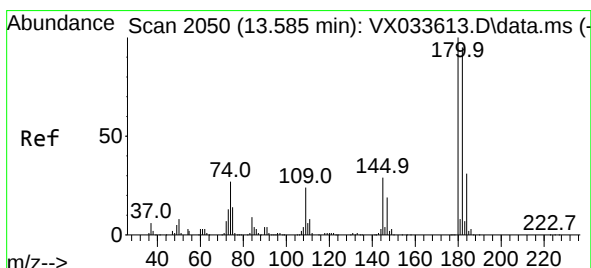
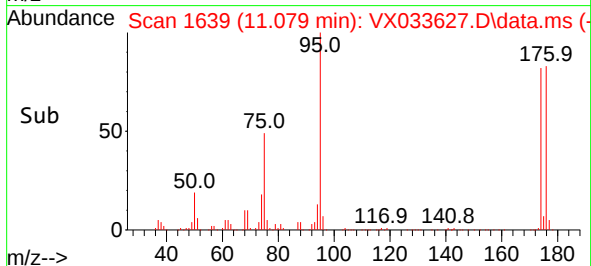
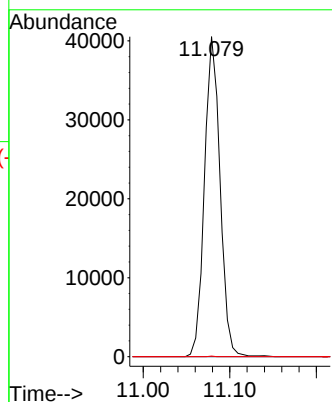
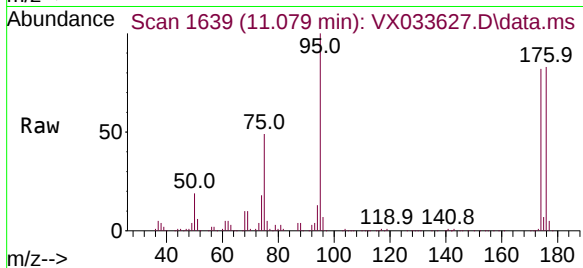




#81
trans-1,4-Dichloro-2-butene
Concen: 112.605 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.060 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

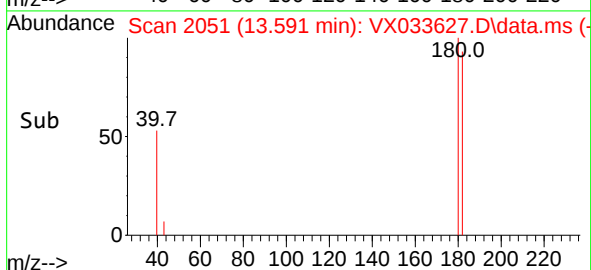
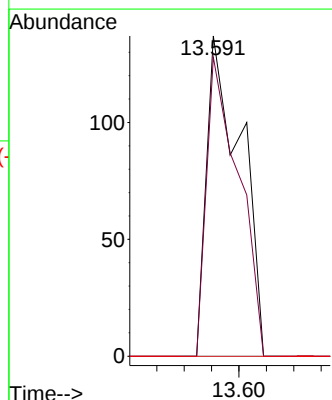
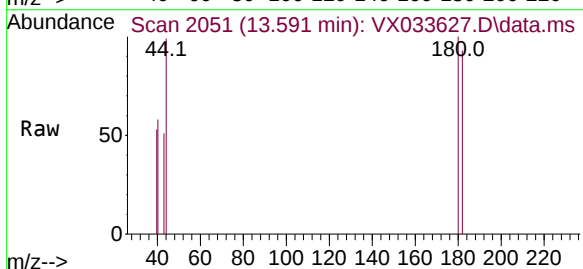
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#04

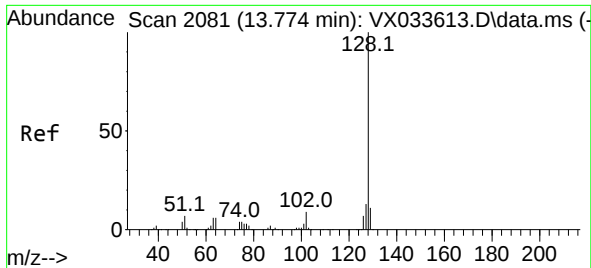
Tgt Ion: 75 Resp: 50675
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.1 37.4 56.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.663 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033627.D
Acq: 06 Jan 2023 13:52

Tgt Ion:180 Resp: 118
Ion Ratio Lower Upper
180 100
182 88.1 47.4 142.2
145 0.0 14.1 42.2#





#95

Naphthalene

Concen: 3.159 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX033627.D

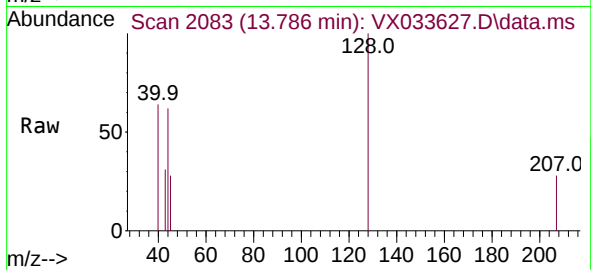
Acq: 06 Jan 2023 13:52

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#04



Tgt Ion:128 Resp: 229

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 9.0 13.4#

