

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034583.D
 Acq On : 17 Mar 2023 14:46
 Operator : JC/MD
 Sample : PB151466ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#04

Quant Time: Mar 20 00:01:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

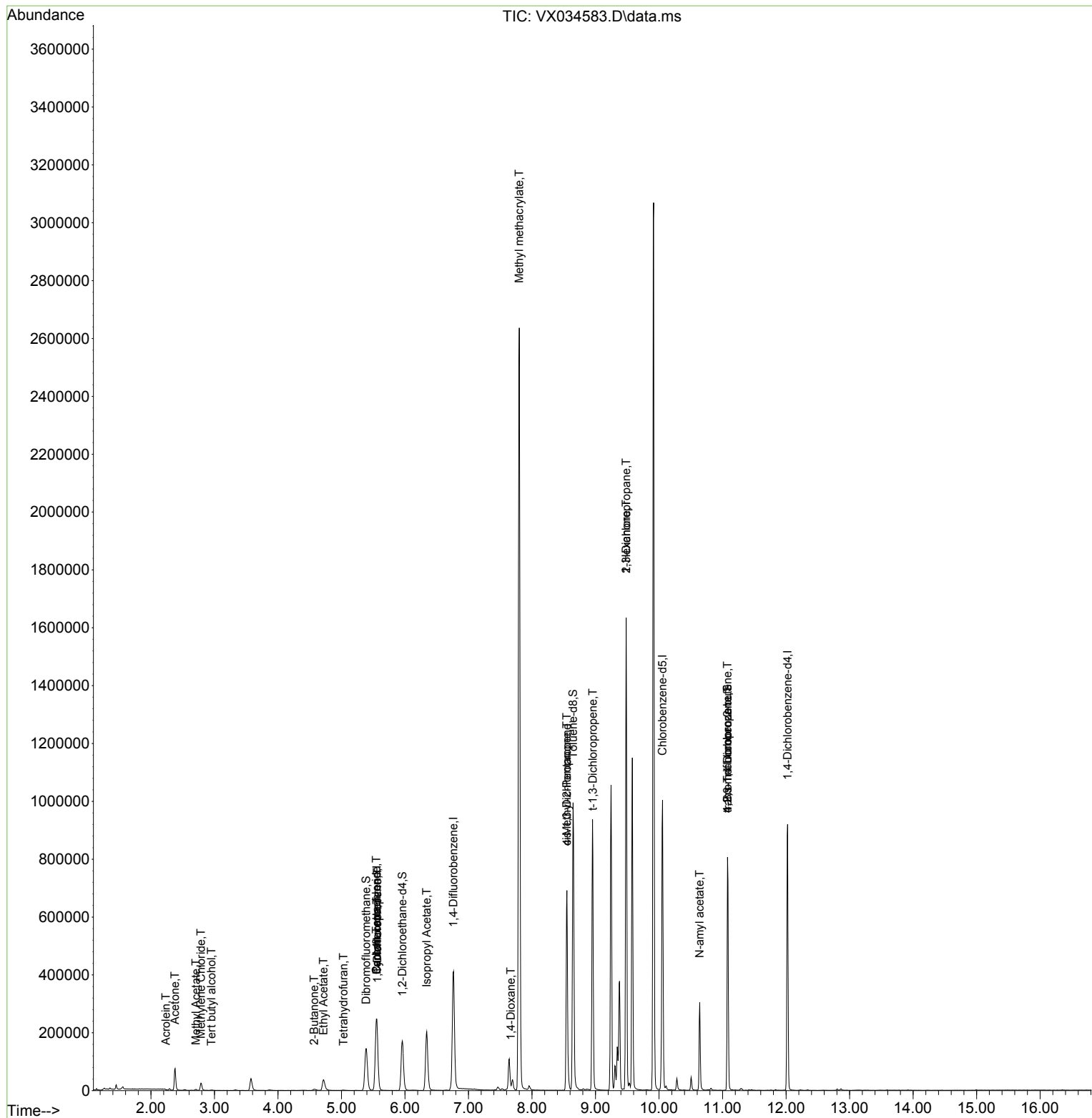
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	235942	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	409558	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	423622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165994	48.360	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.720%		
35) Dibromofluoromethane	5.385	113	127403	47.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	8.647	98	563472	55.819	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	111.640%		
62) 4-Bromofluorobenzene	11.079	95	219462	53.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	447	Below Cal	#	76
11) Tert butyl alcohol	2.952	59	1822	2.549	ug/l #	89
13) Acrolein	2.233	56	295	0.522	ug/l	89
16) Acetone	2.379	43	80202	49.603	ug/l	98
18) Methyl Acetate	2.709	43	4678	0.885	ug/l #	90
20) Methylene Chloride	2.788	84	11431	3.643	ug/l	98
25) 2-Butanone	4.568	43	9509	4.110	ug/l	94
29) Tetrahydrofuran	5.031	42	1037	0.726	ug/l #	51
31) Cyclohexane	5.556	56	5803	1.205	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	19893	4.790	ug/l #	51
37) Ethyl Acetate	4.714	43	67853	14.954	ug/l	98
38) Carbon Tetrachloride	5.550	117	24103	5.834	ug/l #	18
43) Isopropyl Acetate	6.342	43	282092	36.699	ug/l	100
48) Methyl methacrylate	7.799	41	236550	63.987	ug/l #	47
49) 1,4-Dioxane	7.665	88	75	0.966	ug/l #	23
51) 4-Methyl-2-Pentanone	8.549	43	253746	56.905	ug/l #	50
53) t-1,3-Dichloropropene	8.957	75	1976	0.420	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	101552	19.960	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	13138	2.476	ug/l #	43
59) 2-Hexanone	9.482	43	199583	57.901	ug/l #	52
74) N-amyl acetate	10.640	43	82120	12.000	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	116583	27.466	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	116583	74.303	ug/l #	8

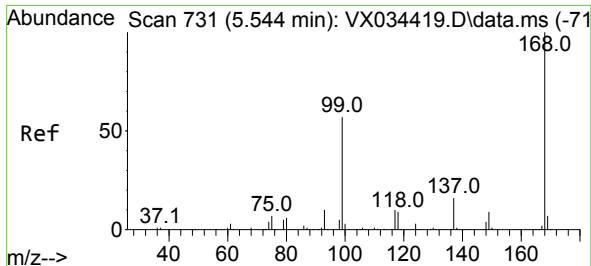
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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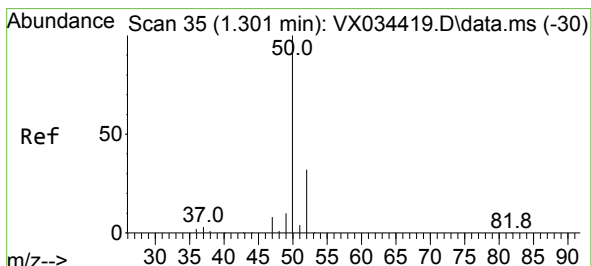
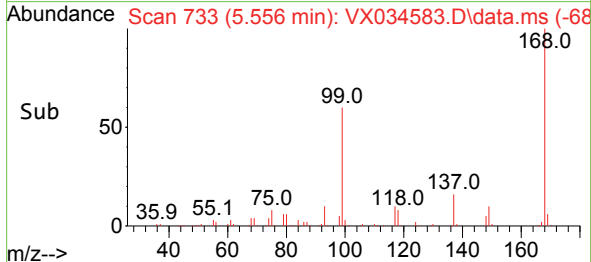
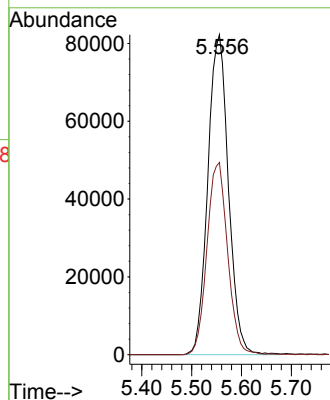
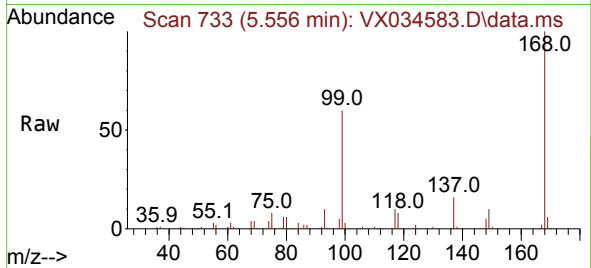




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

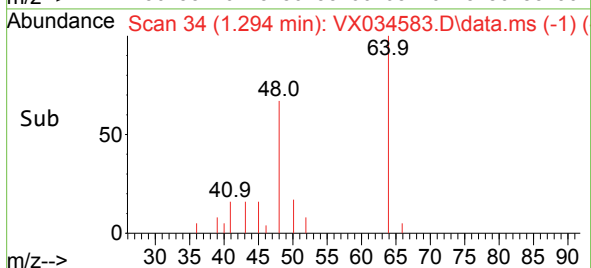
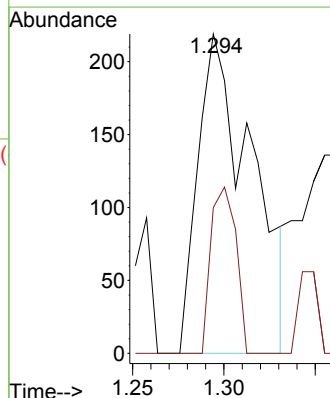
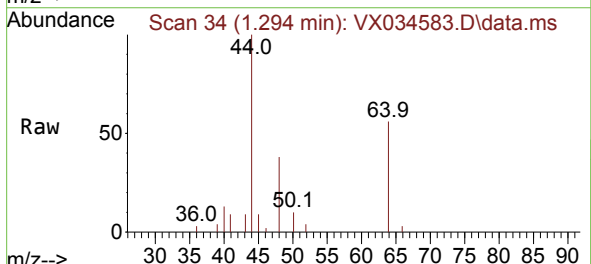
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

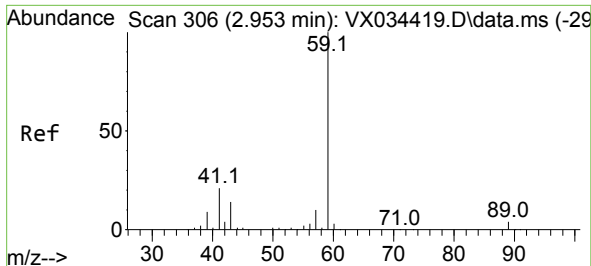
Tgt Ion:168 Resp: 235942
Ion Ratio Lower Upper
168 100
99 60.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion: 50 Resp: 447
Ion Ratio Lower Upper
50 100
52 45.7 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.549 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

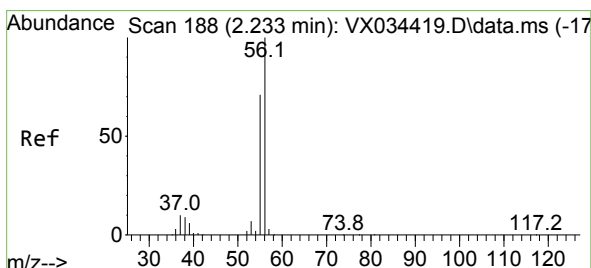
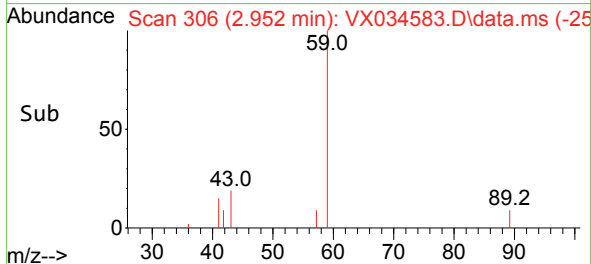
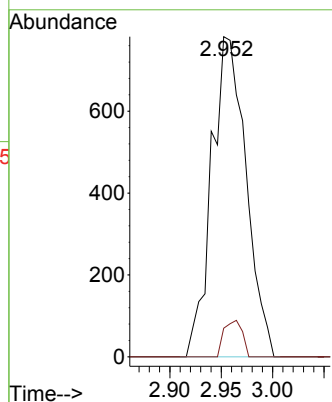
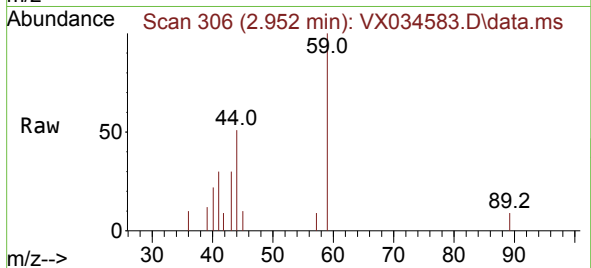
PB151466ZHE#04

Tgt Ion: 59 Resp: 1822

Ion Ratio Lower Upper

59 100

57 6.0 8.1 12.1#



#13

Acrolein

Concen: 0.522 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034583.D

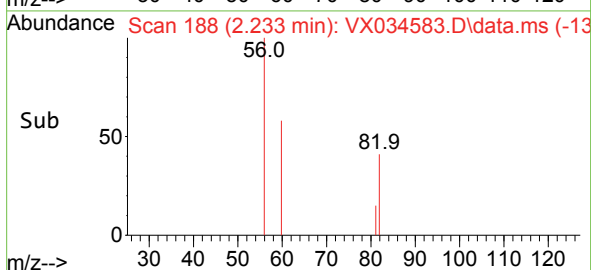
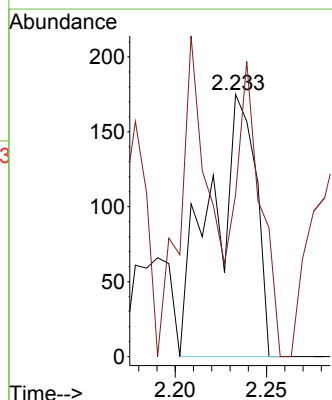
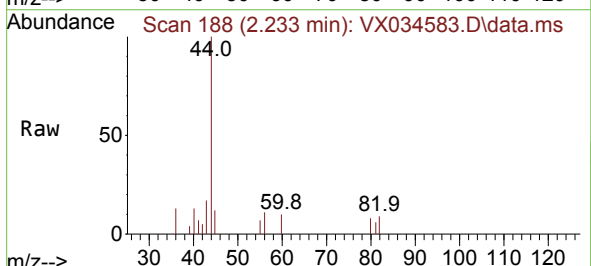
Acq: 17 Mar 2023 14:46

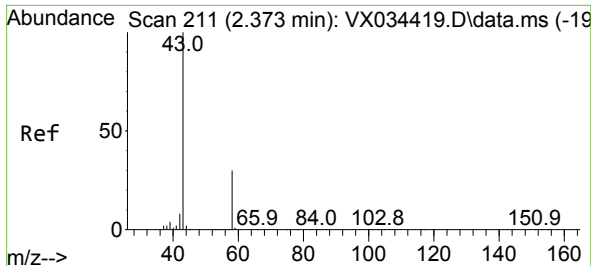
Tgt Ion: 56 Resp: 295

Ion Ratio Lower Upper

56 100

55 61.4 56.6 85.0

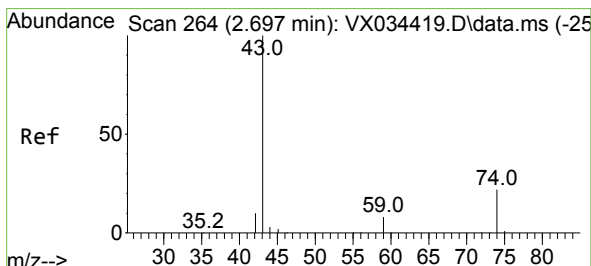
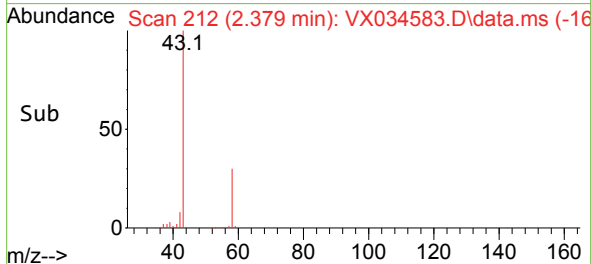
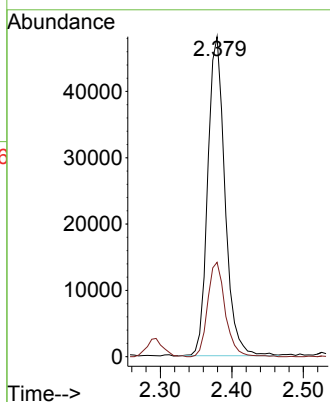
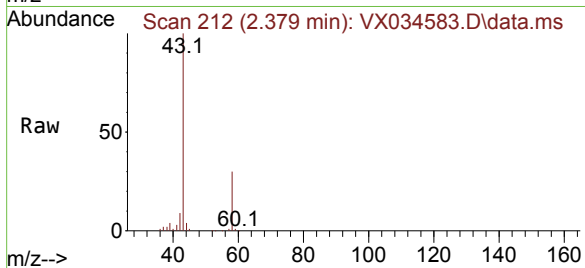




#16
Acetone
Concen: 49.603 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

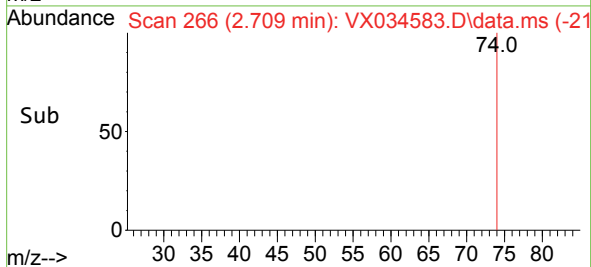
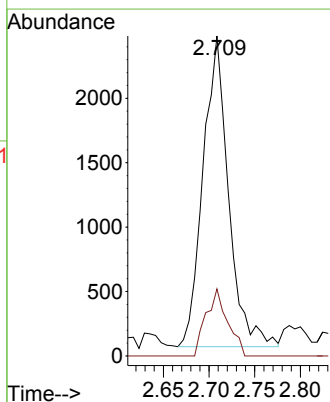
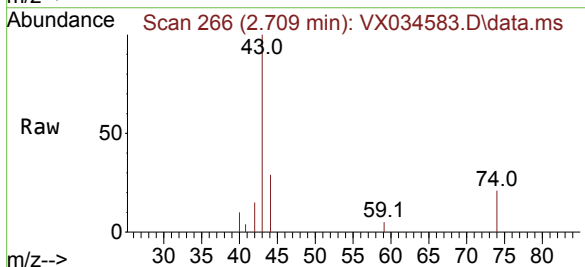
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

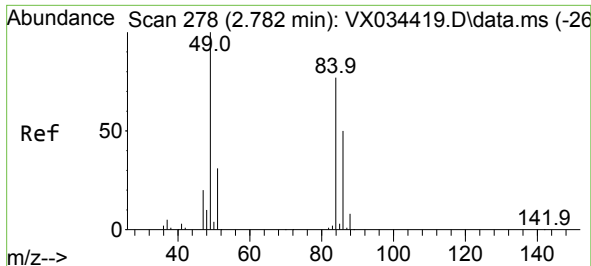
Tgt Ion: 43 Resp: 80202
Ion Ratio Lower Upper
43 100
58 29.6 24.7 37.1



#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion: 43 Resp: 4678
Ion Ratio Lower Upper
43 100
74 18.2 18.3 27.5#

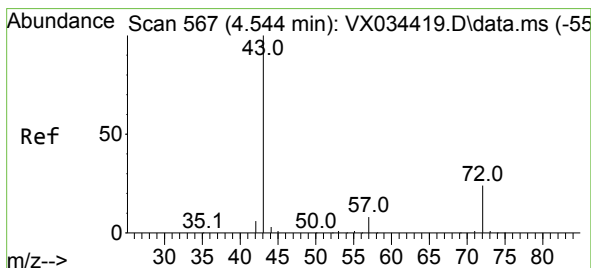
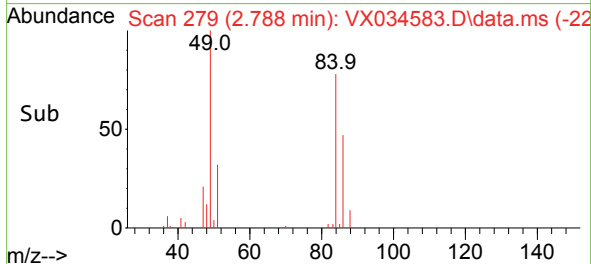
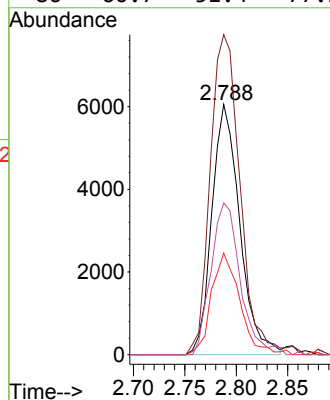
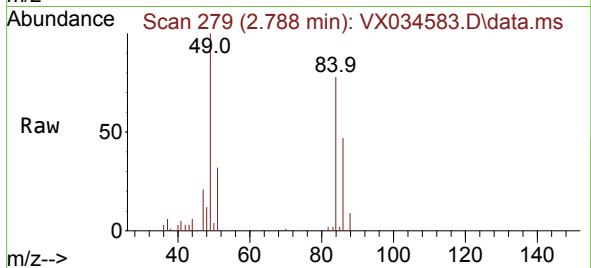




#20
Methylene Chloride
Concen: 3.643 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

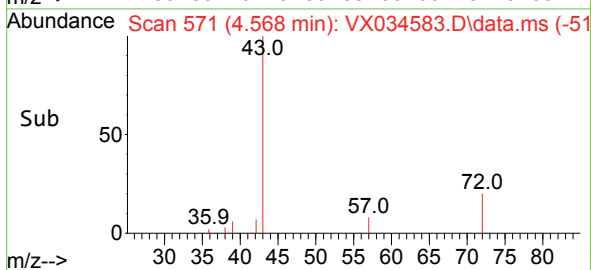
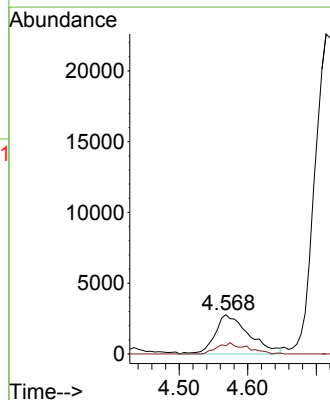
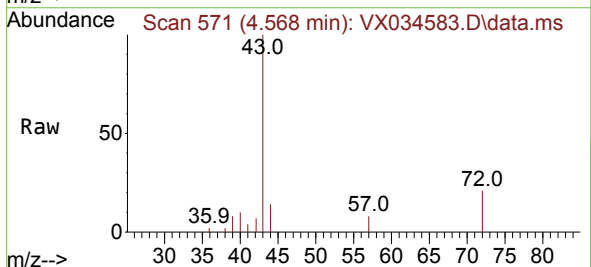
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

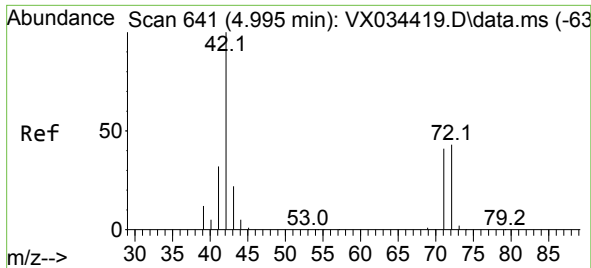
Tgt Ion:	84	Resp:	11431
Ion	Ratio	Lower	Upper
84	100		
49	127.9	103.8	155.8
51	40.6	31.8	47.8
86	60.7	51.4	77.2



#25
2-Butanone
Concen: 4.110 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion:	43	Resp:	9509
Ion	Ratio	Lower	Upper
43	100		
72	20.9	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.726 ug/l

RT: 5.031 min Scan# 641

Delta R.T. 0.036 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

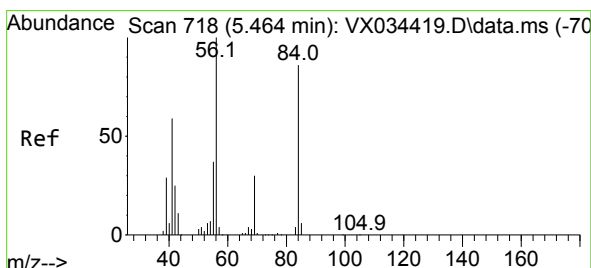
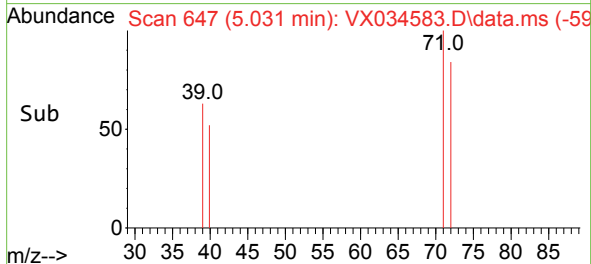
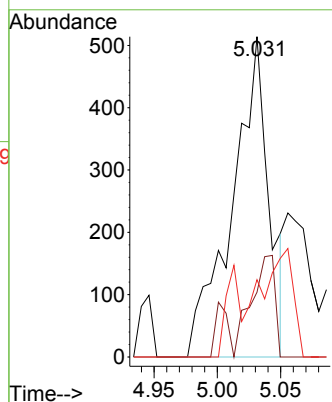
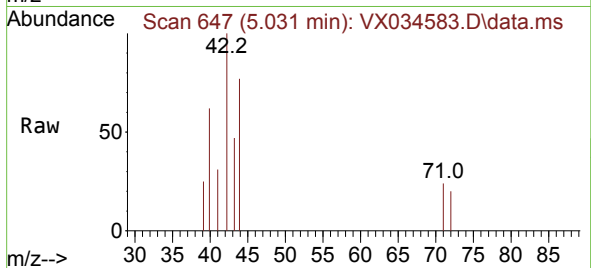
Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#04

Tgt Ion:	42	Resp:	1037
Ion	Ratio	Lower	Upper
42	100		
72	20.5	34.5	51.7#
71	0.0	32.1	48.1#



#31

Cyclohexane

Concen: 1.205 ug/l

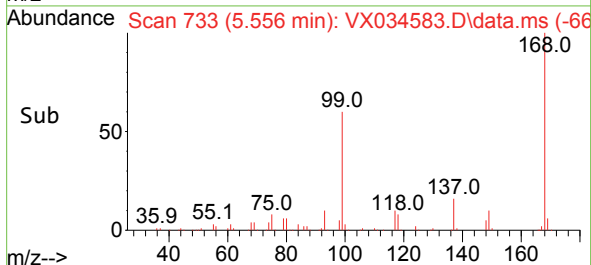
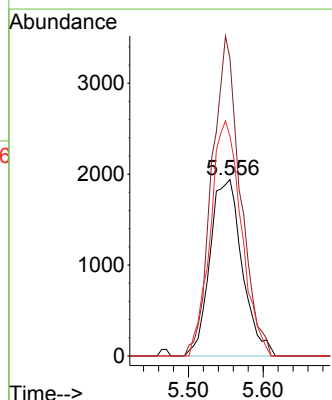
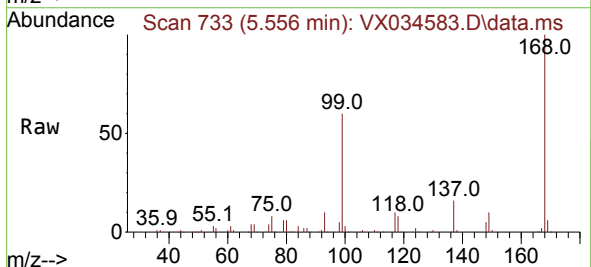
RT: 5.556 min Scan# 733

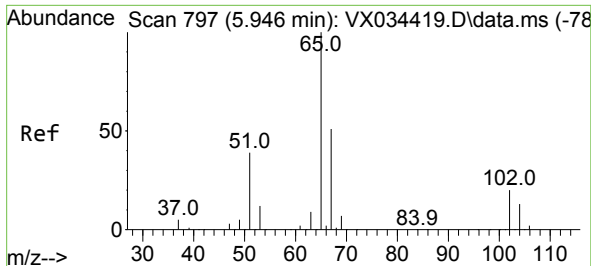
Delta R.T. 0.091 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

Tgt Ion:	56	Resp:	5803
Ion	Ratio	Lower	Upper
56	100		
69	168.7	23.7	35.5#
84	124.5	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.360 ug/l

RT: 5.958 min Scan# 79

Delta R.T. 0.012 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

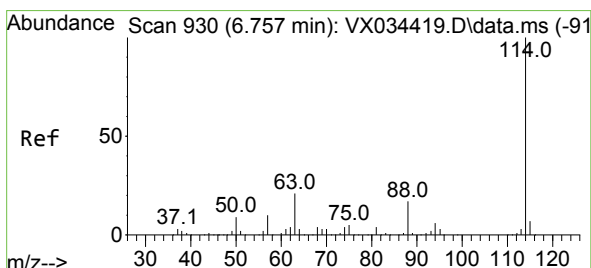
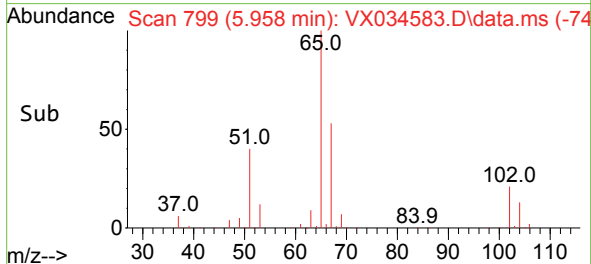
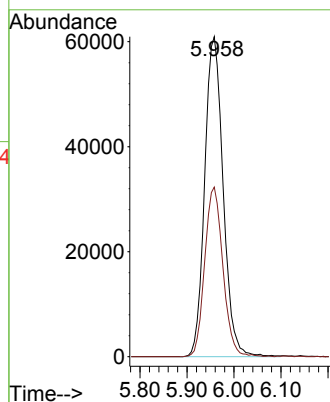
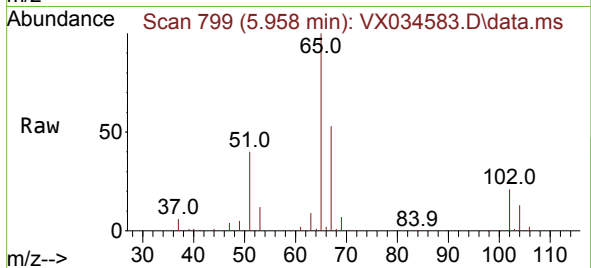
PB151466ZHE#04

Tgt Ion: 65 Resp: 165994

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

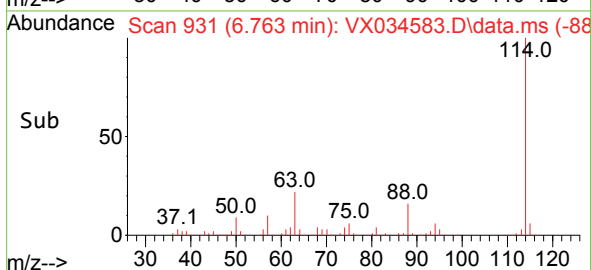
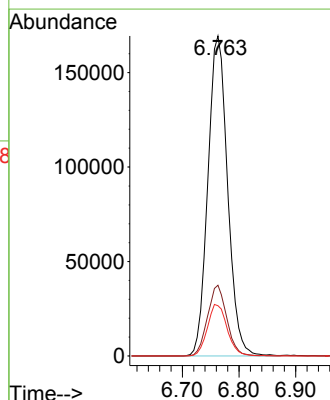
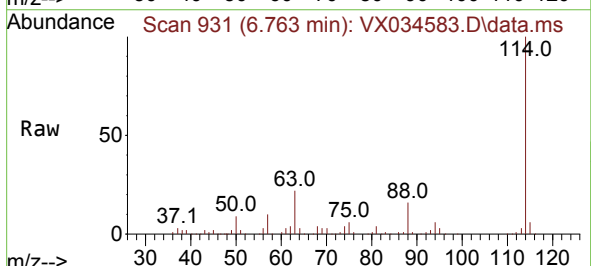
Tgt Ion: 114 Resp: 409558

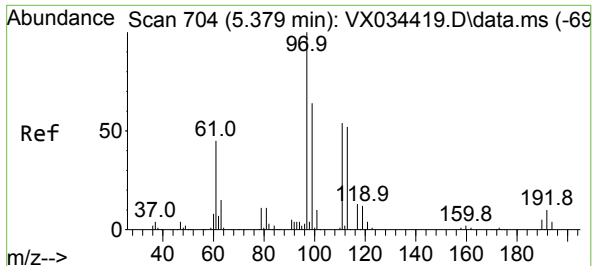
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.2

88 15.7 0.0 33.2

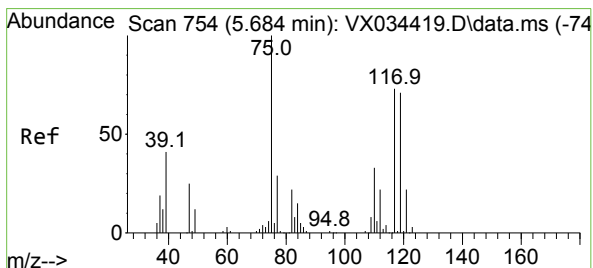
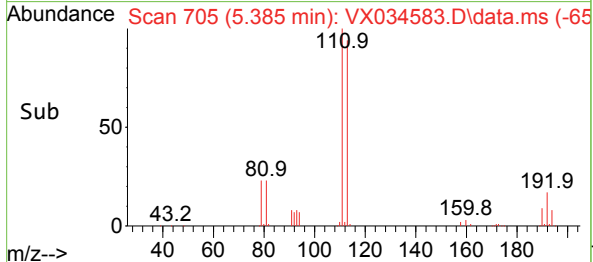
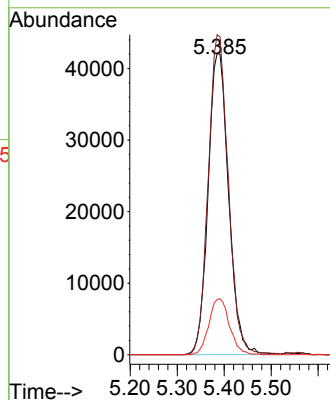
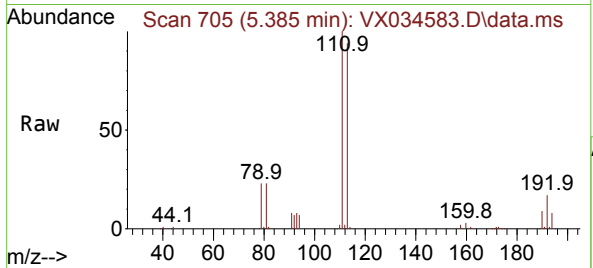




#35
Dibromofluoromethane
Concen: 47.115 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

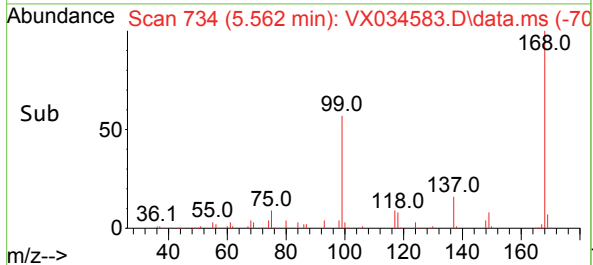
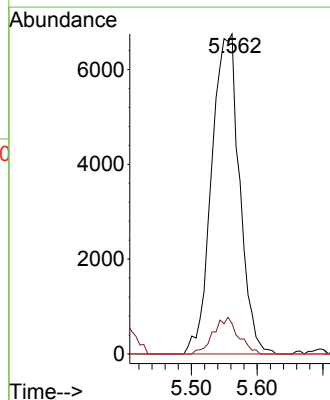
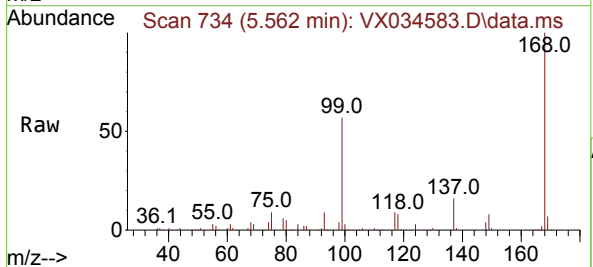
Instrument :
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PB151466ZHE#04

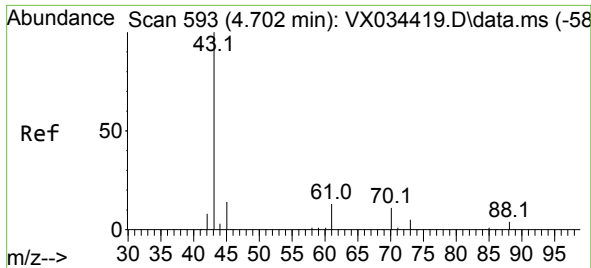
Tgt Ion:113 Resp: 127403
Ion Ratio Lower Upper
113 100
111 104.0 83.7 125.5
192 18.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion: 75 Resp: 19893
Ion Ratio Lower Upper
75 100
110 10.3 17.5 52.5#
77 0.0 24.3 36.5#

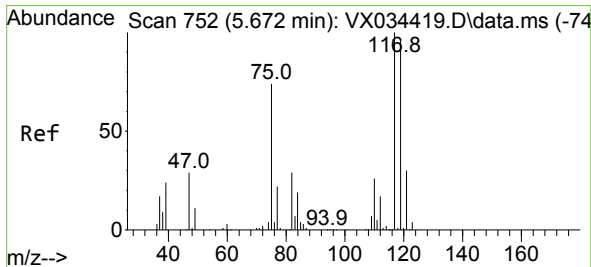
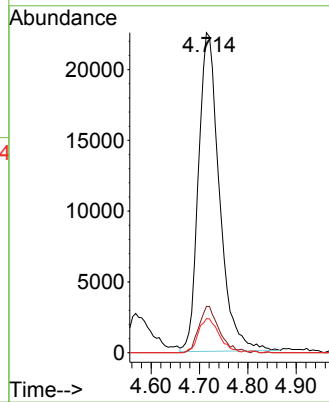
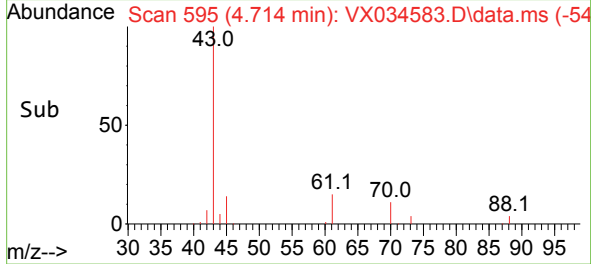
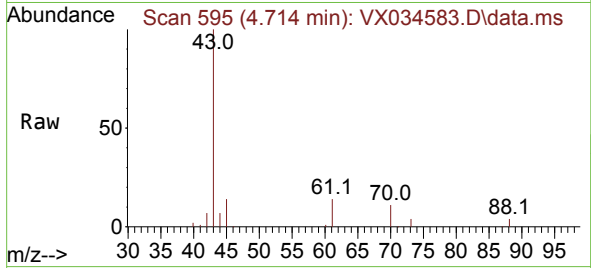




#37
Ethyl Acetate
Concen: 14.954 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

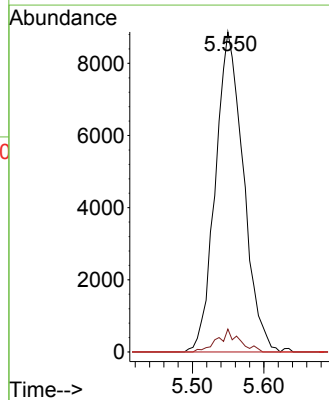
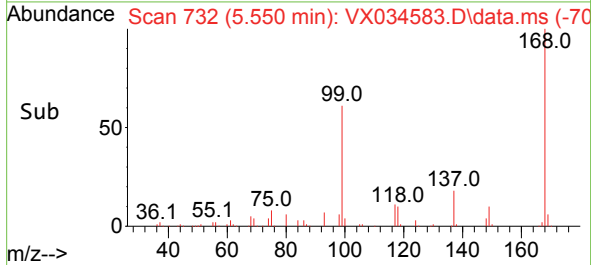
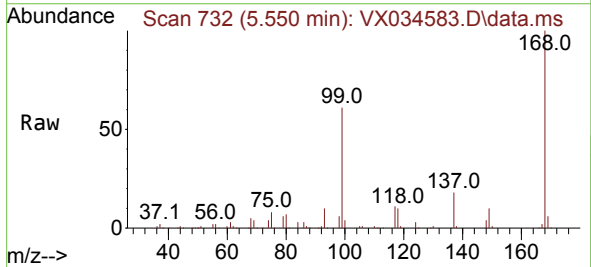
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

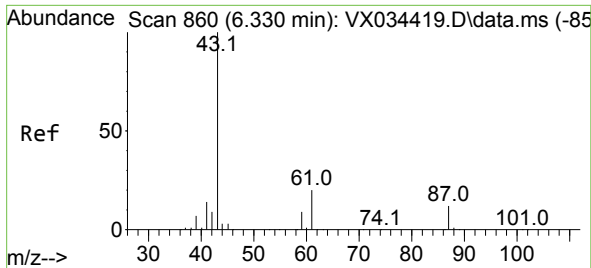
Tgt Ion:	43	Resp:	67853
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.2	15.4
70	10.7	8.2	12.4



#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion:	117	Resp:	24103
Ion	Ratio	Lower	Upper
117	100		
119	7.2	76.6	114.8#
121	0.0	23.8	35.6#

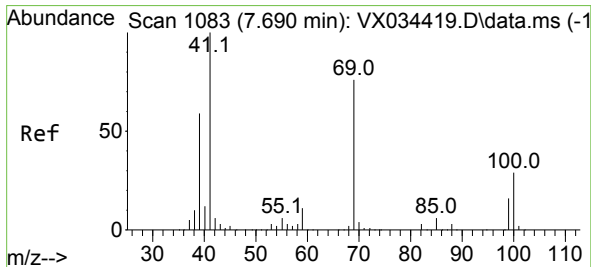
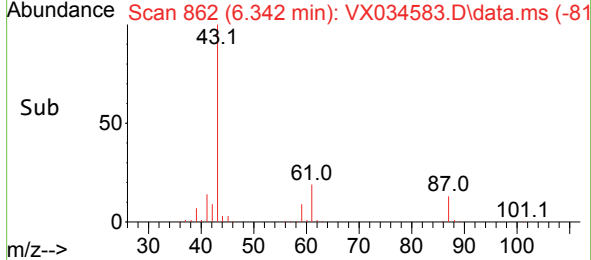
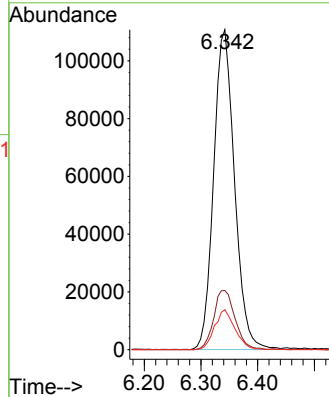
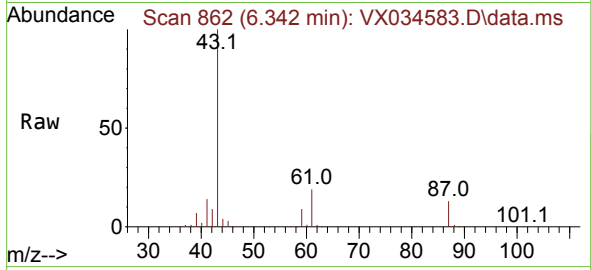




#43
Isopropyl Acetate
Concen: 36.699 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

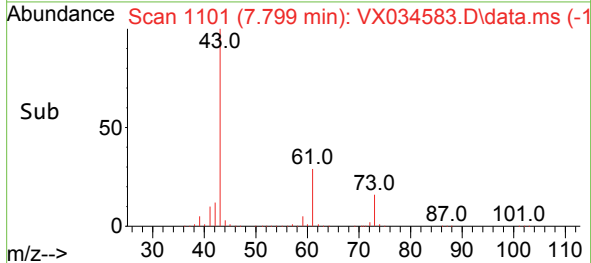
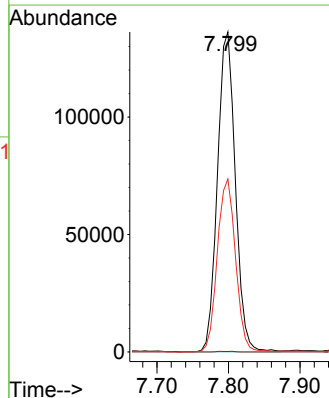
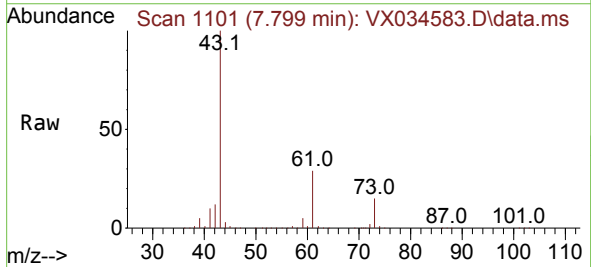
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

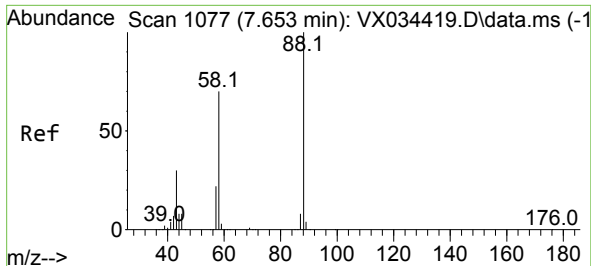
Tgt Ion: 43 Resp: 282092
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 63.987 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion: 41 Resp: 236550
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.1 47.7 71.5





#49

1,4-Dioxane

Concen: 0.966 ug/l

RT: 7.665 min Scan# 1077

Delta R.T. 0.012 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#04

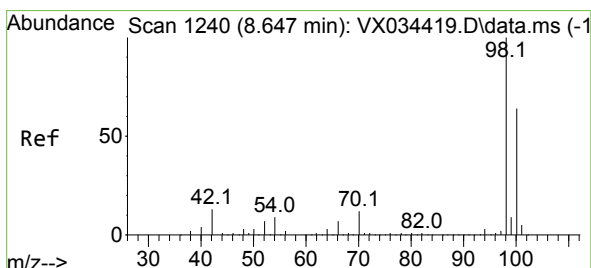
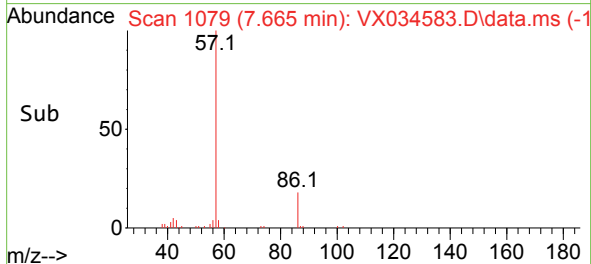
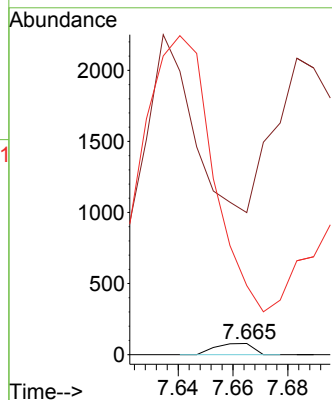
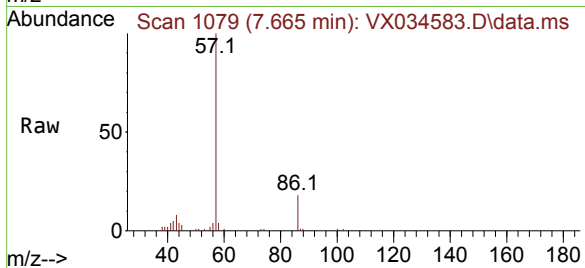
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 55.819 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034583.D

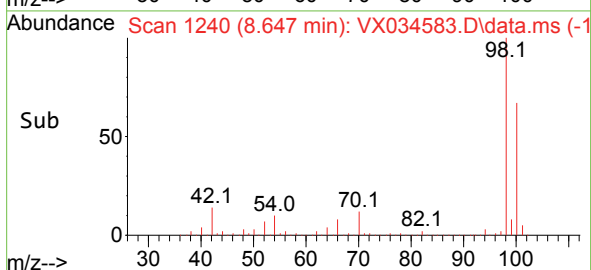
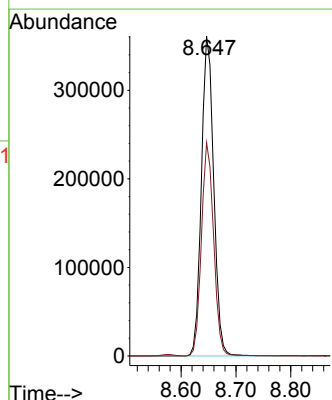
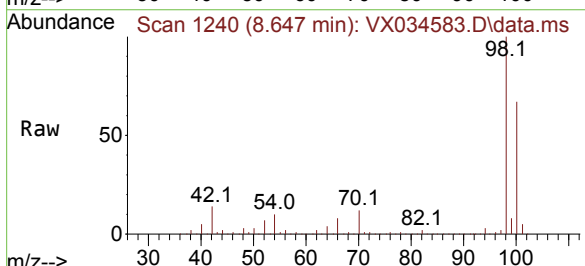
Acq: 17 Mar 2023 14:46

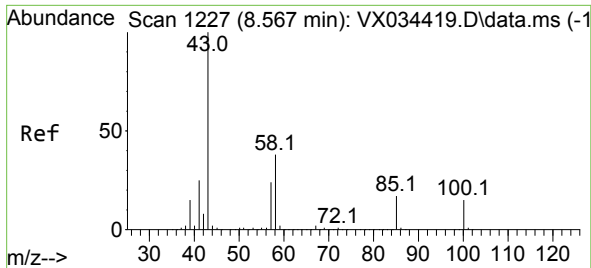
Tgt Ion: 98 Resp: 563472

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7

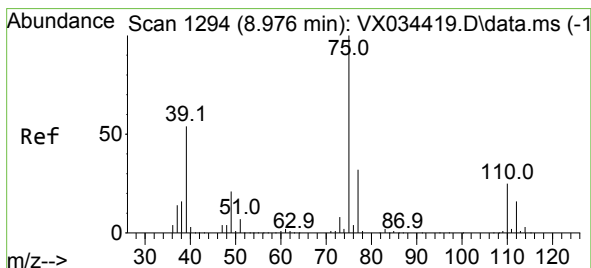
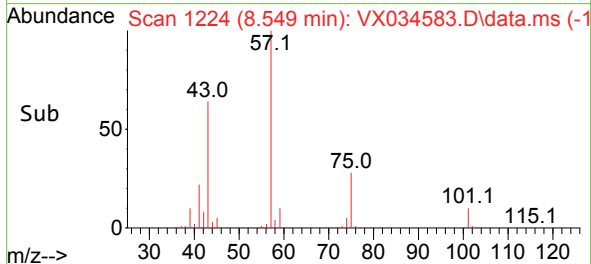
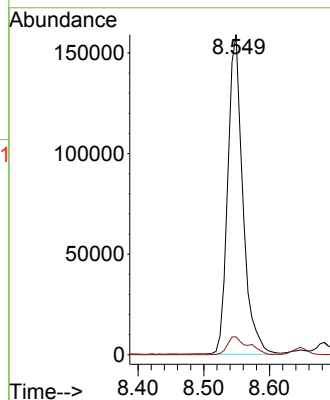
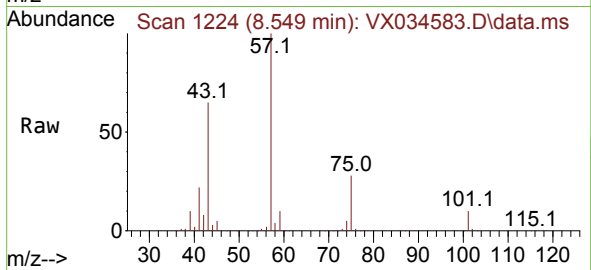




#51
4-Methyl-2-Pentanone
Concen: 56.905 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

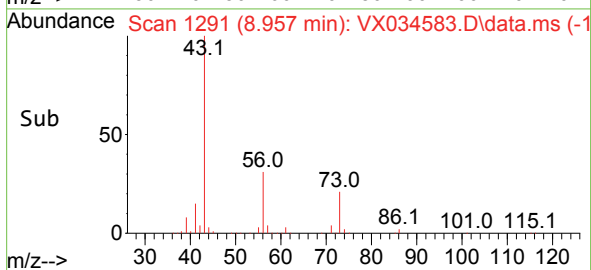
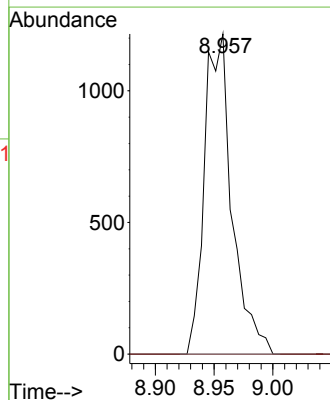
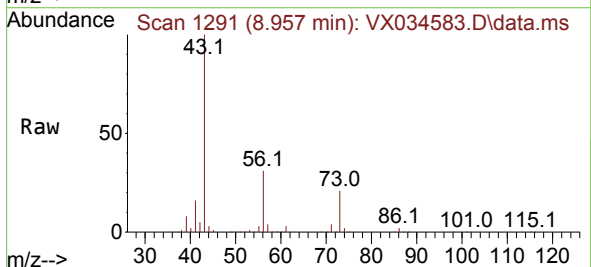
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

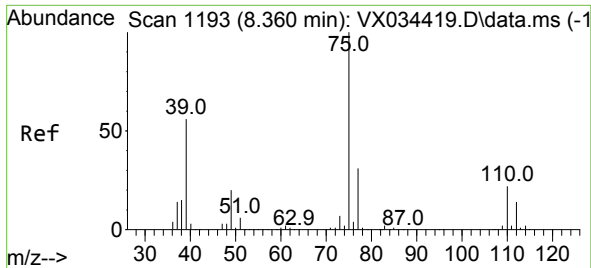
Tgt Ion: 43 Resp: 253746
Ion Ratio Lower Upper
43 100
58 7.9 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.420 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion: 75 Resp: 1976
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

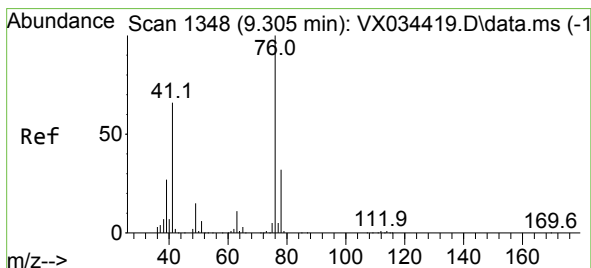
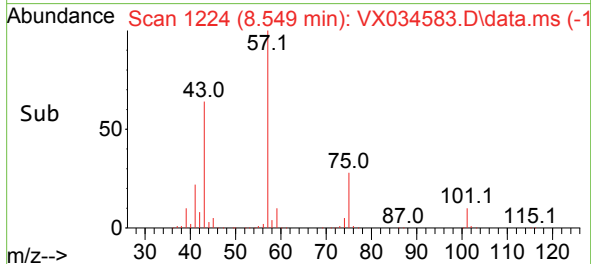
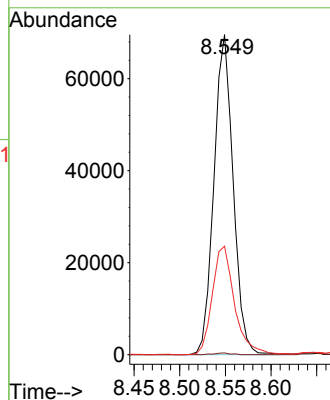
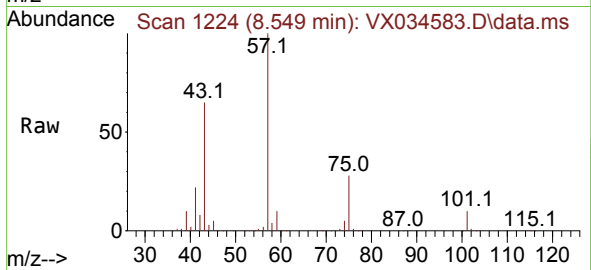




#54
 cis-1,3-Dichloropropene
 Concen: 19.960 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034583.D
 Acq: 17 Mar 2023 14:46

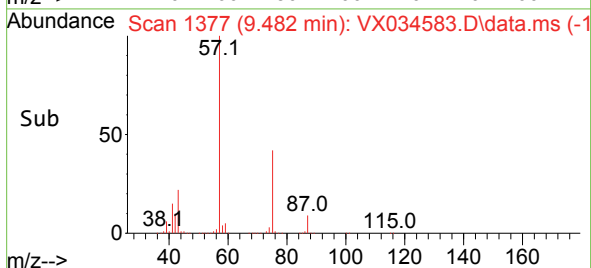
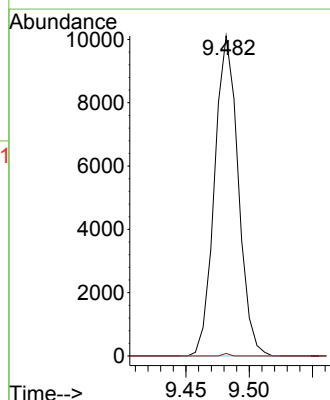
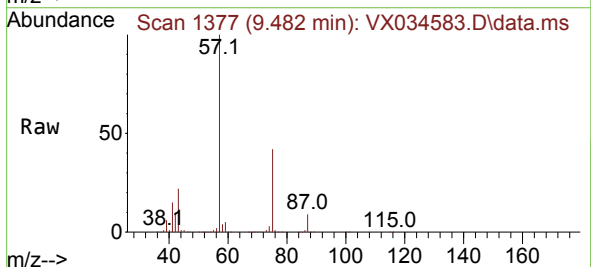
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#04

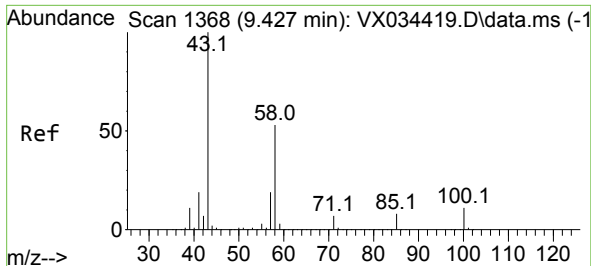
Tgt Ion: 75 Resp: 101552
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 33.9 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.476 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034583.D
 Acq: 17 Mar 2023 14:46

Tgt Ion: 76 Resp: 13138
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#





#59

2-Hexanone

Concen: 57.901 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

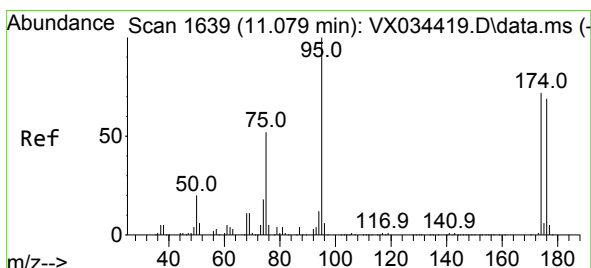
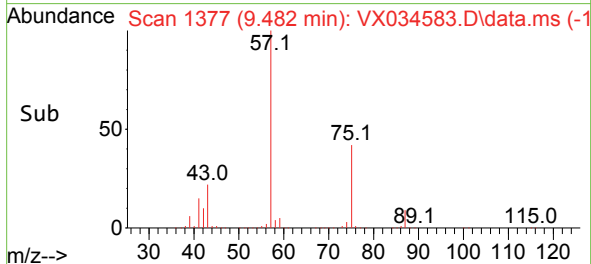
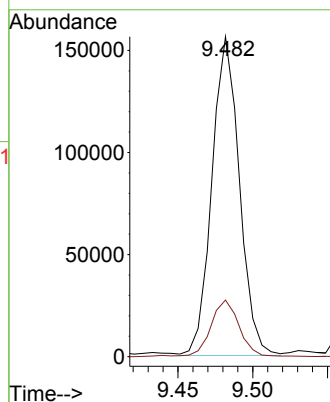
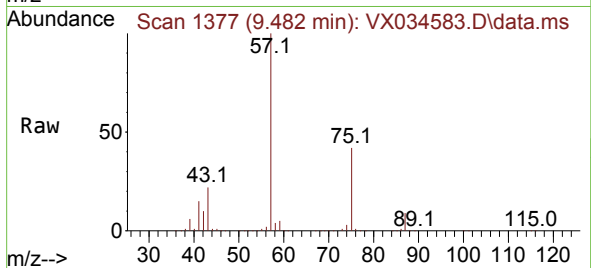
PB151466ZHE#04

Tgt Ion: 43 Resp: 199583

Ion Ratio Lower Upper

43 100

58 18.6 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 53.824 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX034583.D

Acq: 17 Mar 2023 14:46

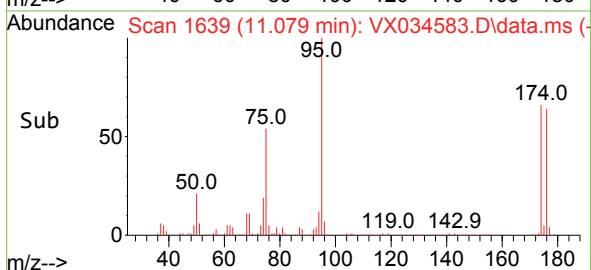
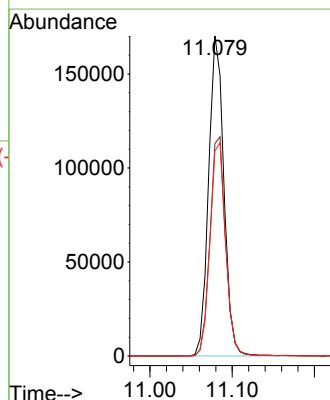
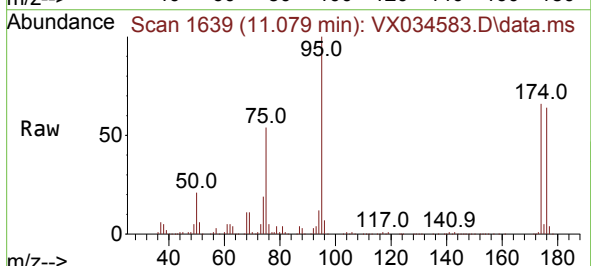
Tgt Ion: 95 Resp: 219462

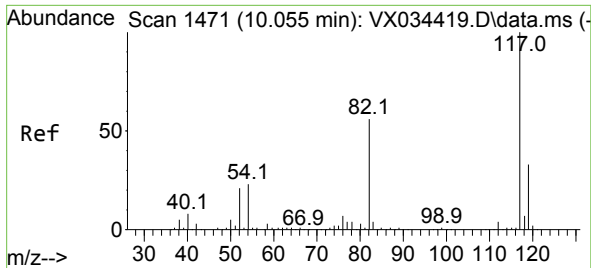
Ion Ratio Lower Upper

95 100

174 69.8 0.0 147.4

176 67.9 0.0 140.6

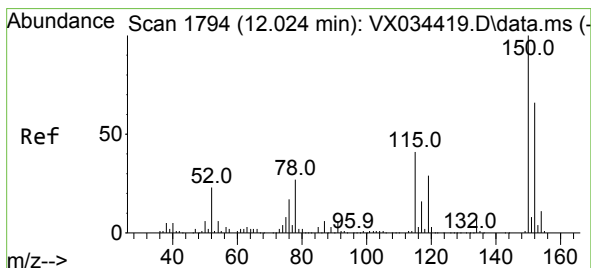
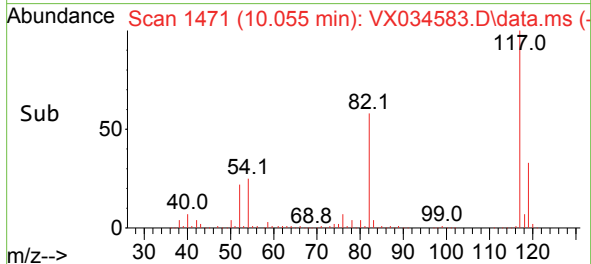
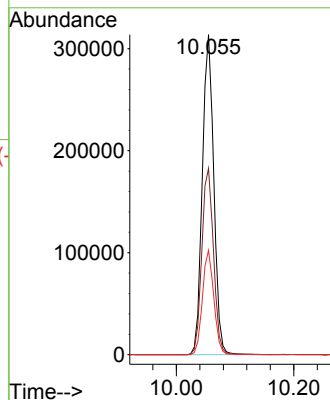
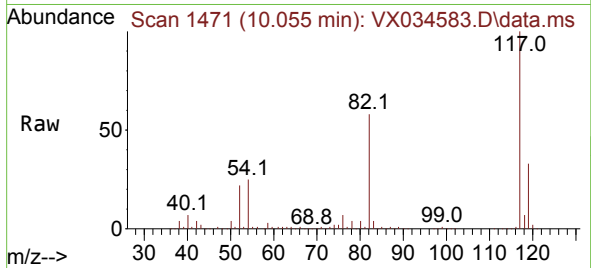




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

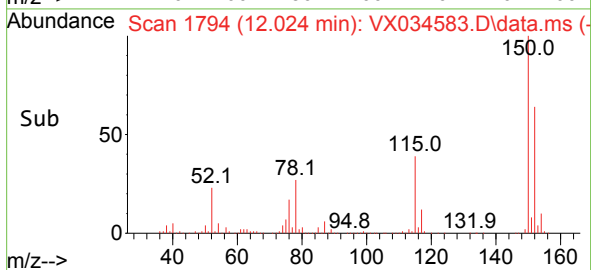
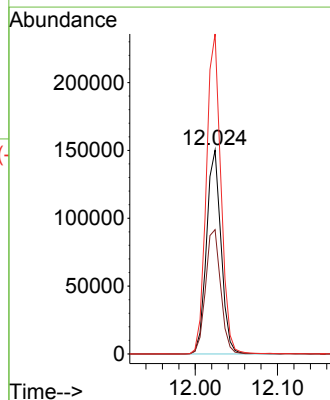
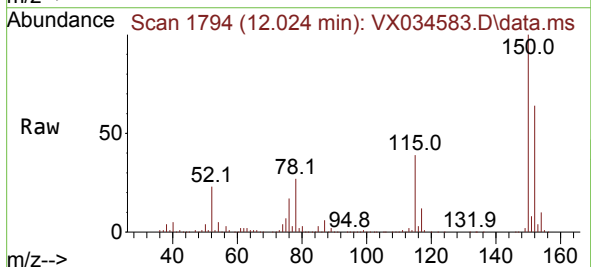
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#04

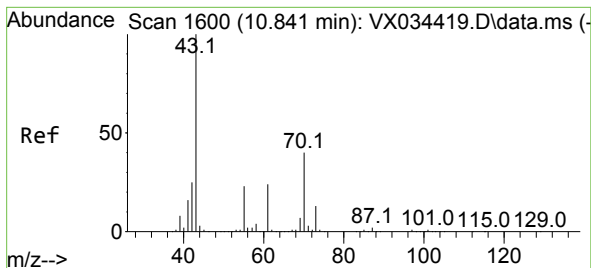
Tgt Ion:117 Resp: 423622
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034583.D
Acq: 17 Mar 2023 14:46

Tgt Ion:152 Resp: 184863
Ion Ratio Lower Upper
152 100
115 63.1 45.0 135.0
150 157.6 0.0 352.4





#74

N-amy1 acetate

Concen: 12.000 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034583.D

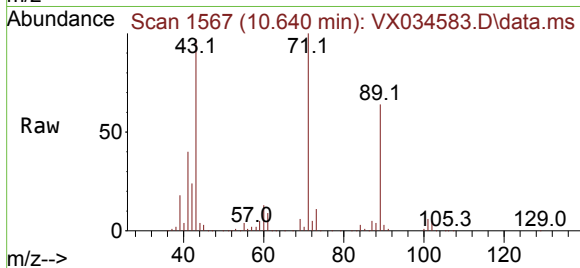
Acq: 17 Mar 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#04



Tgt Ion: 43 Resp: 82120

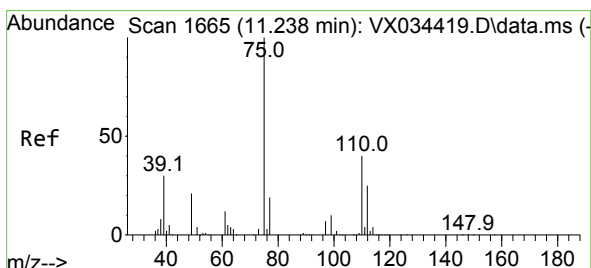
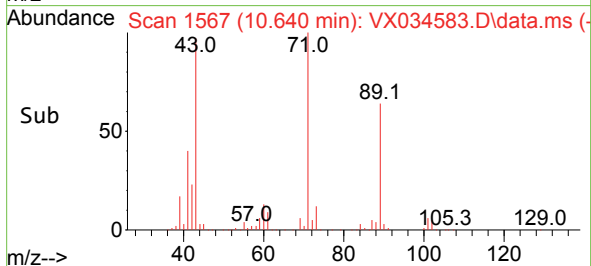
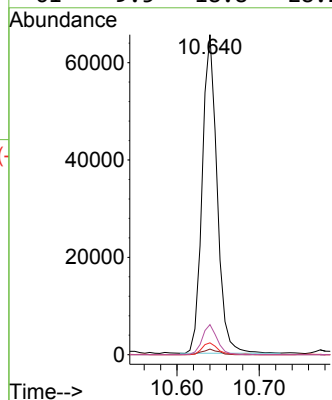
Ion Ratio Lower Upper

43 100

70 1.9 32.1 48.1#

55 4.0 18.3 27.5#

61 9.5 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.466 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034583.D

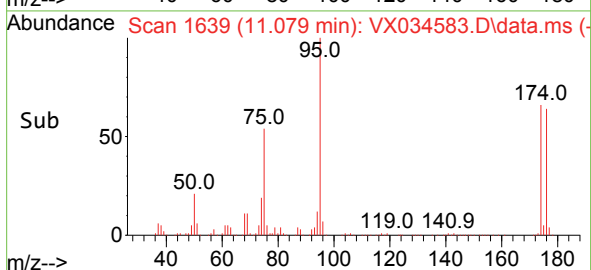
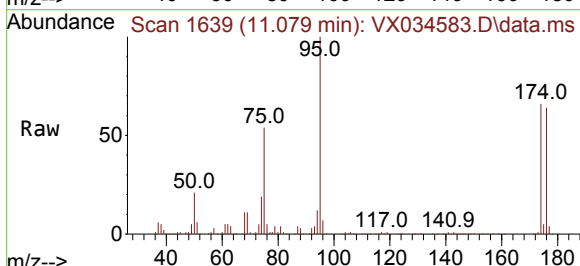
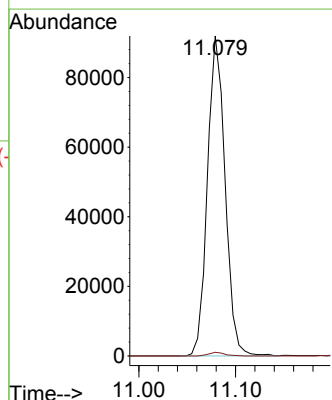
Acq: 17 Mar 2023 14:46

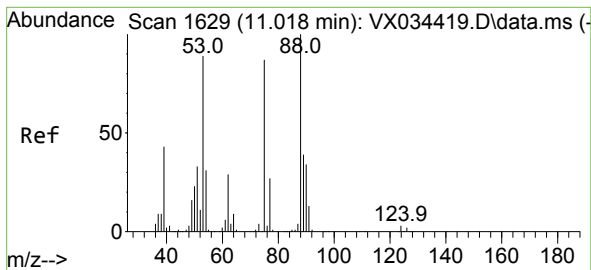
Tgt Ion: 75 Resp: 116583

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.303 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034583.D
 Acq: 17 Mar 2023 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#04

Tgt Ion: 75 Resp: 116583
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.1 36.9 55.3#

