

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034598.D
 Acq On : 17 Mar 2023 20:41
 Operator : JC/MD
 Sample : 01932-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CE-81-031423

Quant Time: Mar 20 00:09:18 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)

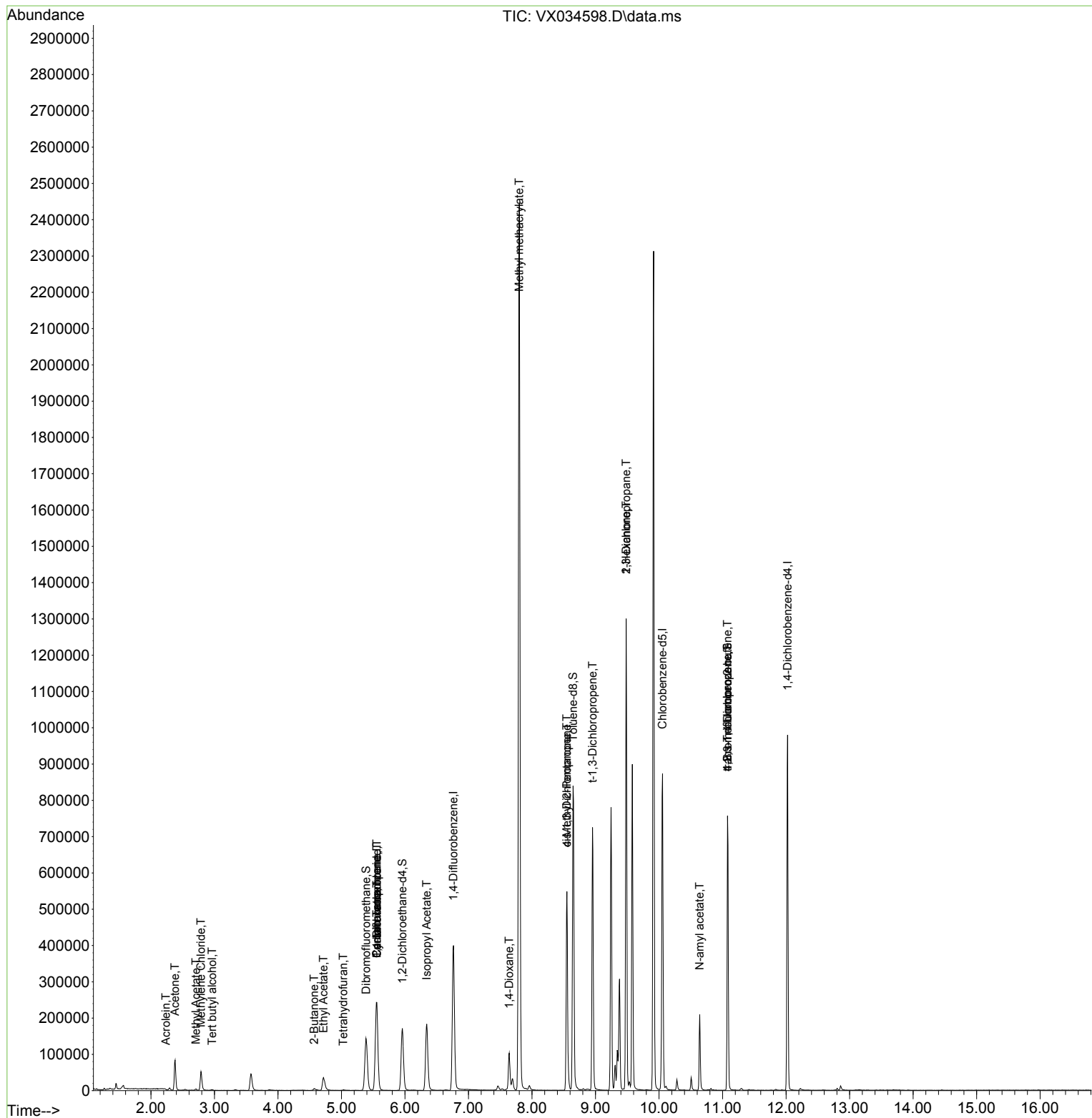
Internal Standards						
1) Pentafluorobenzene	5.556	168	227610	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	393162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160728	48.540	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.080%		
35) Dibromofluoromethane	5.385	113	122692	47.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.520%		
50) Toluene-d8	8.647	98	488751	50.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.880%		
62) 4-Bromofluorobenzene	11.079	95	193855	49.526	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	357	Below Cal	#	84
11) Tert butyl alcohol	2.965	59	2047	2.969	ug/l #	77
13) Acrolein	2.233	56	270	0.495	ug/l #	64
16) Acetone	2.380	43	87655	56.197	ug/l	99
18) Methyl Acetate	2.709	43	4645	0.911	ug/l #	90
20) Methylene Chloride	2.788	84	23273	7.688	ug/l	97
25) 2-Butanone	4.568	43	8916	3.995	ug/l	100
29) Tetrahydrofuran	5.026	42	1503	1.091	ug/l #	63
31) Cyclohexane	5.556	56	5788	1.246	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	19723	4.947	ug/l #	51
37) Ethyl Acetate	4.715	43	63922	14.675	ug/l	99
38) Carbon Tetrachloride	5.556	117	22979	5.793	ug/l #	15
43) Isopropyl Acetate	6.342	43	254602	34.504	ug/l	99
48) Methyl methacrylate	7.799	41	217310	61.234	ug/l #	47
49) 1,4-Dioxane	7.641	88	90	1.207	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	197205	46.070	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	1449	0.321	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	82406	16.872	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	10566	2.074	ug/l #	42
59) 2-Hexanone	9.482	43	151423	45.762	ug/l #	52
74) N-amyl acetate	10.640	43	54930	7.668	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	104582	23.537	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	104582	63.674	ug/l #	8

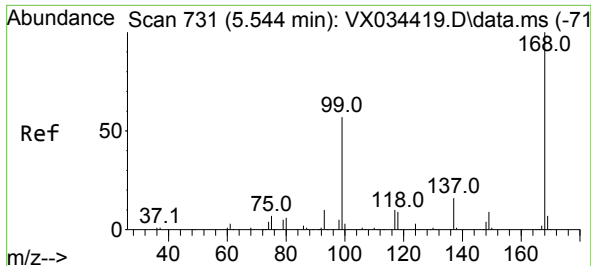
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

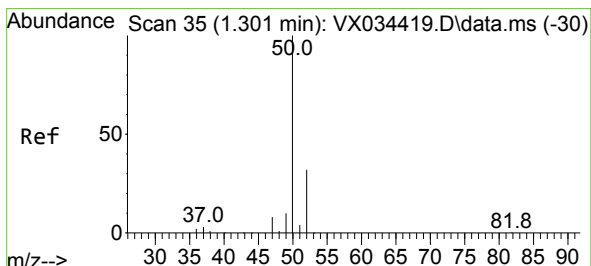
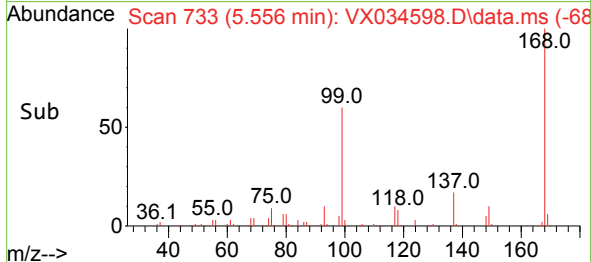
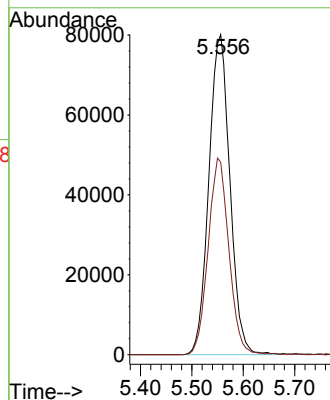
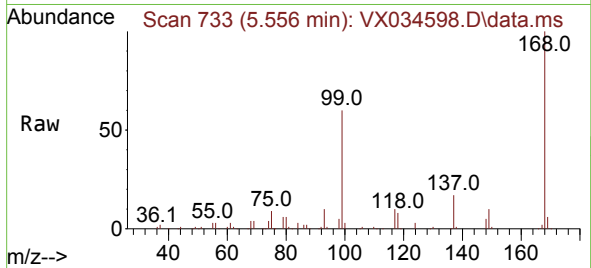




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

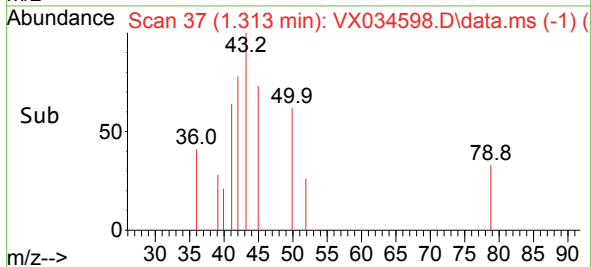
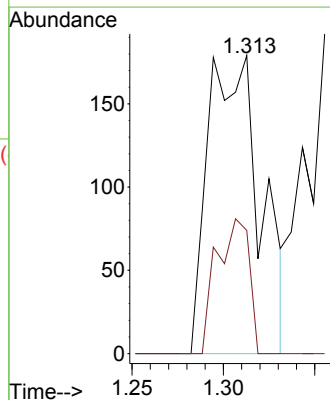
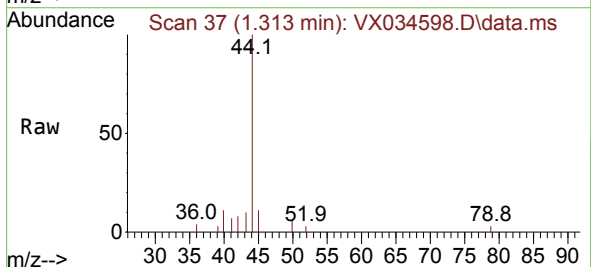
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

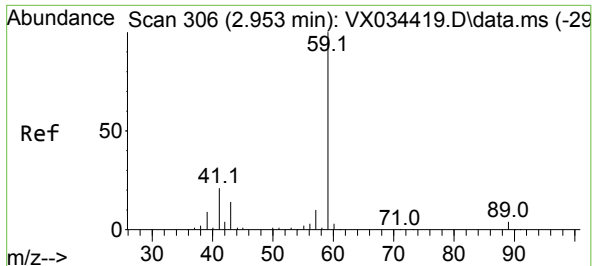
Tgt Ion:168 Resp: 227610
Ion Ratio Lower Upper
168 100
99 60.2 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 41.3 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.969 ug/l

RT: 2.965 min Scan# 306

Delta R.T. 0.012 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

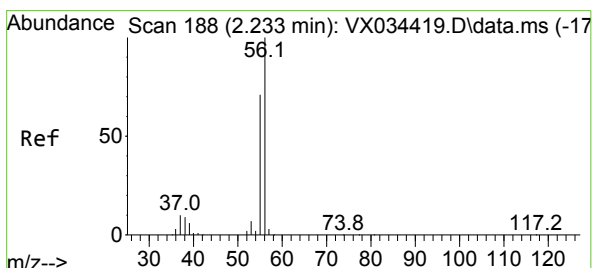
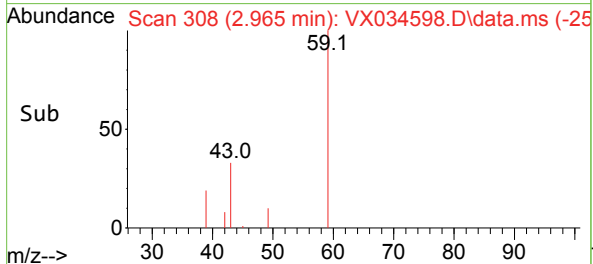
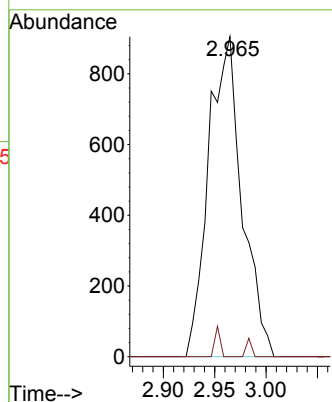
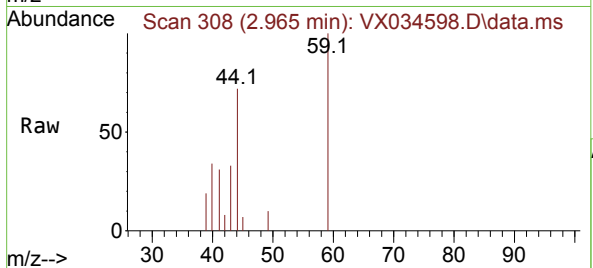
CE-81-031423

Tgt Ion: 59 Resp: 2047

Ion Ratio Lower Upper

59 100

57 1.5 8.1 12.1#



#13

Acrolein

Concen: 0.495 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034598.D

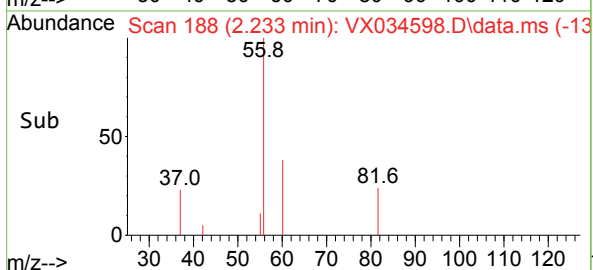
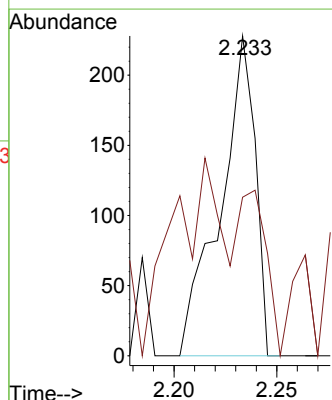
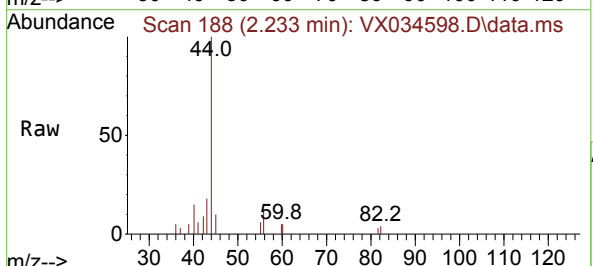
Acq: 17 Mar 2023 20:41

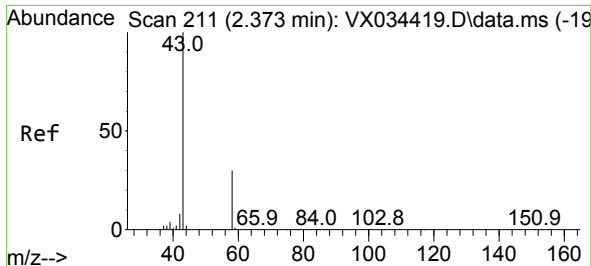
Tgt Ion: 56 Resp: 270

Ion Ratio Lower Upper

56 100

55 41.1 56.6 85.0#

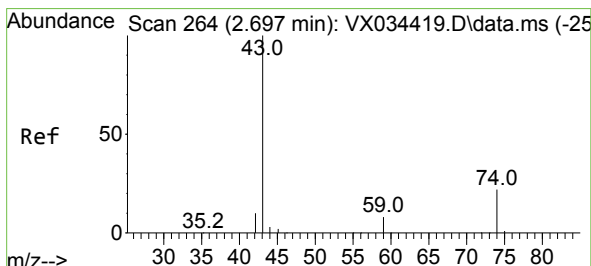
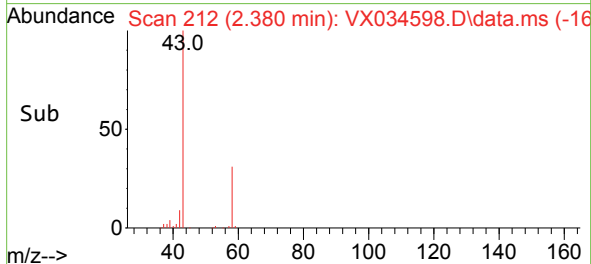
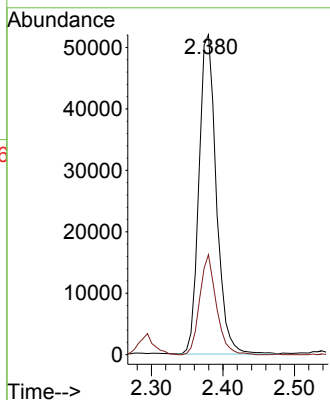
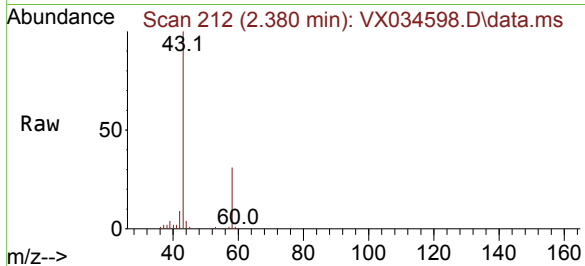




#16
Acetone
Concen: 56.197 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

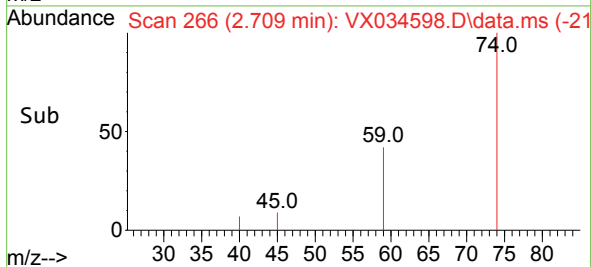
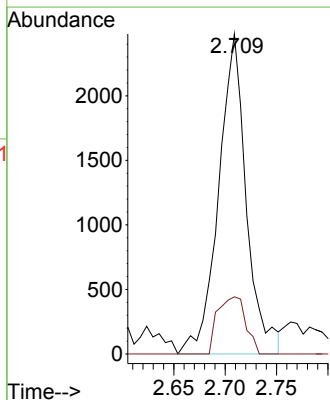
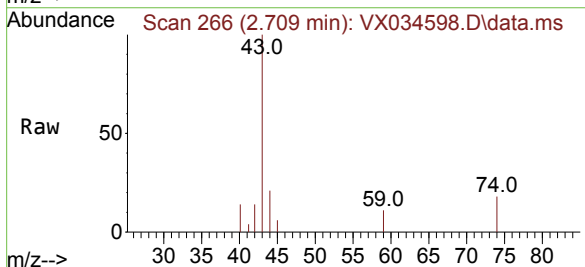
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

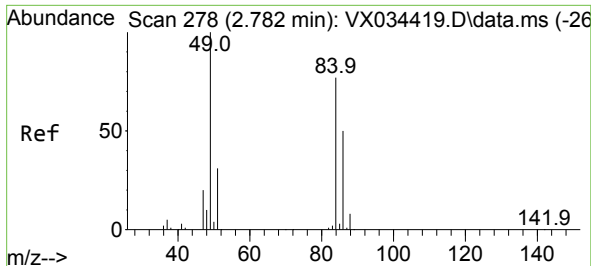
Tgt Ion: 43 Resp: 87655
Ion Ratio Lower Upper
43 100
58 31.3 24.7 37.1



#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 43 Resp: 4645
Ion Ratio Lower Upper
43 100
74 18.1 18.3 27.5#

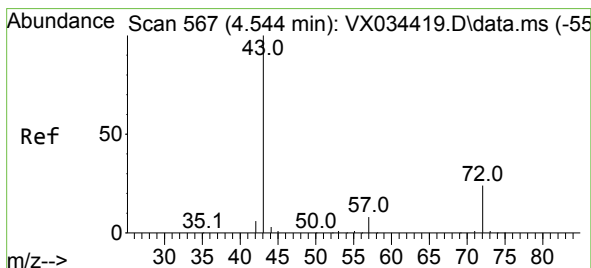
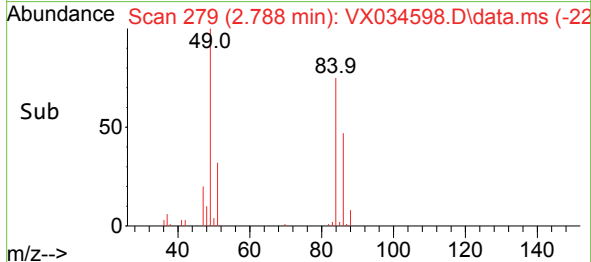
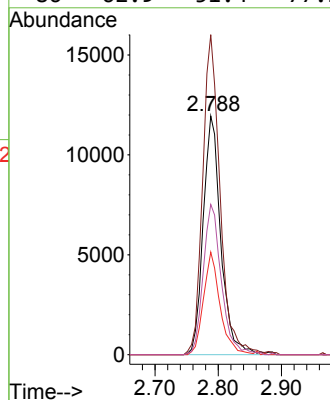
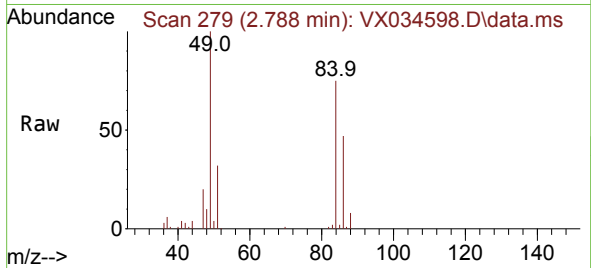




#20
Methylene Chloride
Concen: 7.688 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

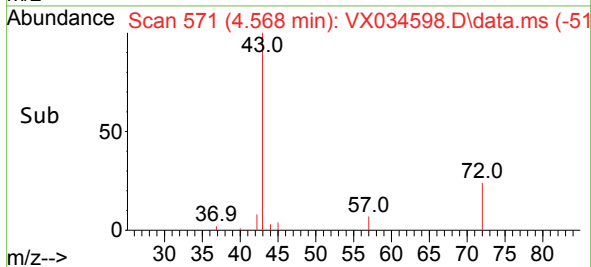
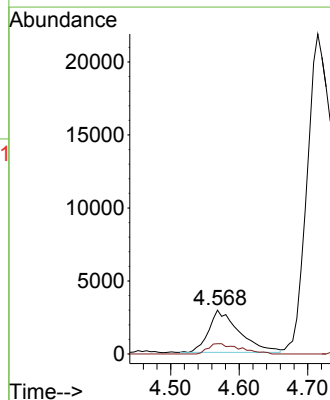
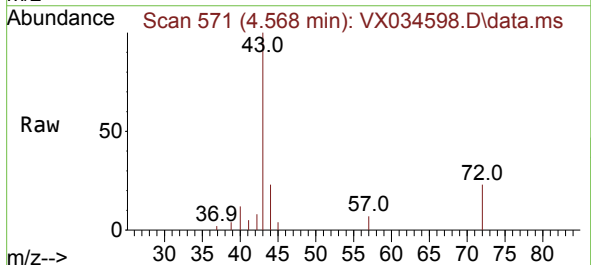
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

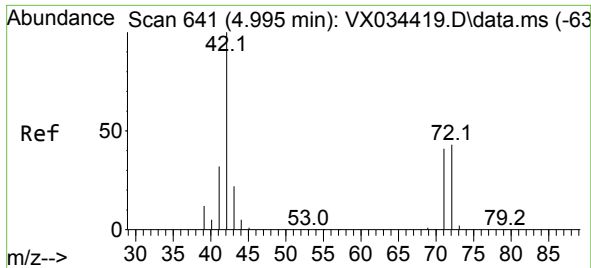
Tgt Ion:	84	Resp:	23273
Ion	Ratio	Lower	Upper
84	100		
49	134.1	103.8	155.8
51	42.9	31.8	47.8
86	62.9	51.4	77.2



#25
2-Butanone
Concen: 3.995 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion:	43	Resp:	8916
Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.3	28.9





#29

Tetrahydrofuran

Concen: 1.091 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

CE-81-031423

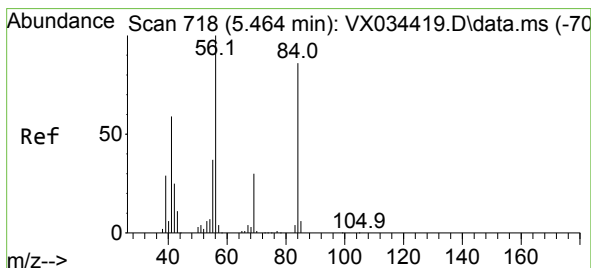
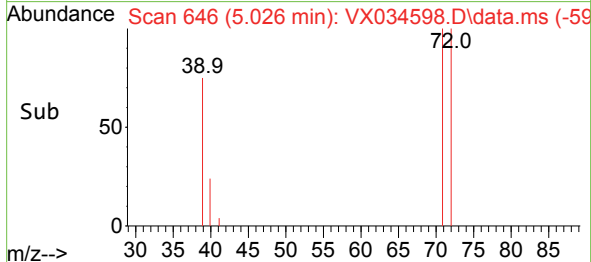
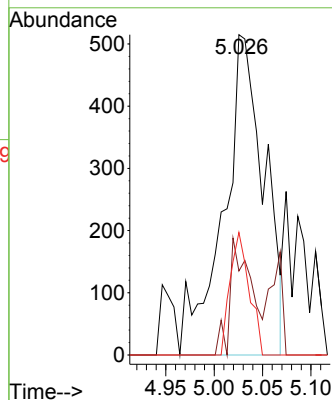
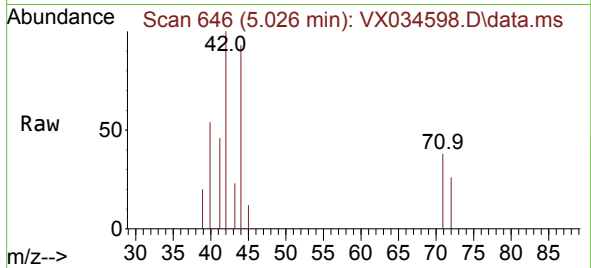
Tgt Ion: 42 Resp: 1503

Ion Ratio Lower Upper

42 100

72 19.2 34.5 51.7#

71 18.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

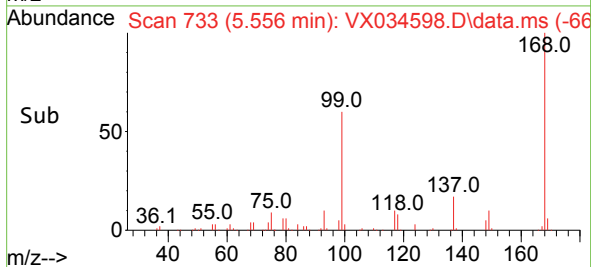
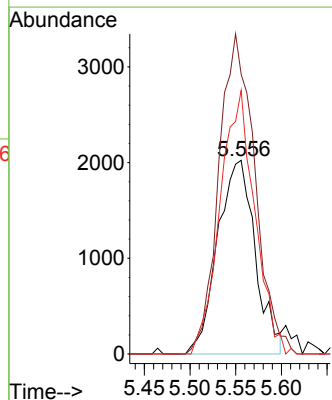
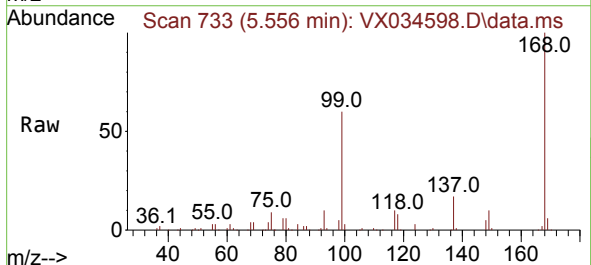
Tgt Ion: 56 Resp: 5788

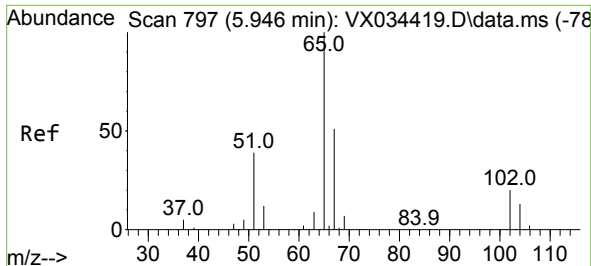
Ion Ratio Lower Upper

56 100

69 144.4 23.7 35.5#

84 136.1 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.540 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

Instrument :

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ClientSampleId :

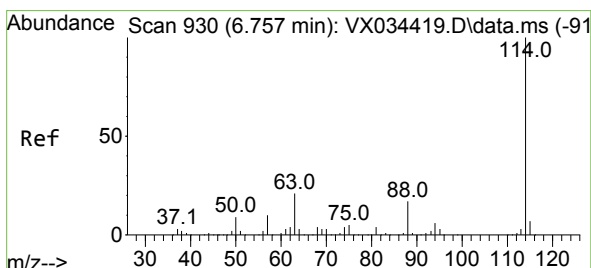
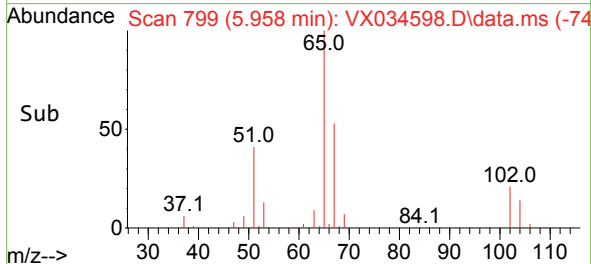
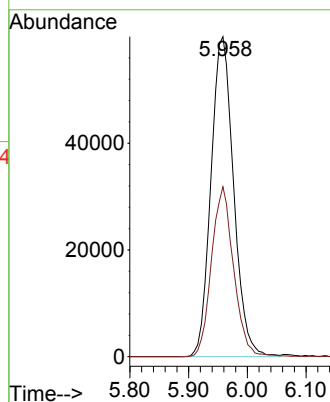
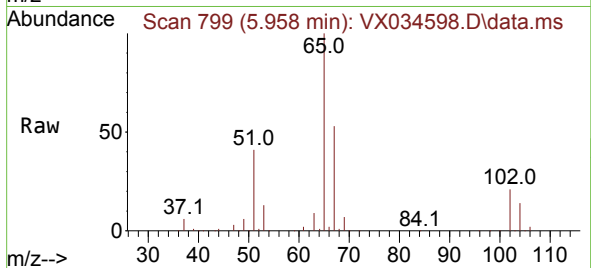
CE-81-031423

Tgt Ion: 65 Resp: 160728

Ion Ratio Lower Upper

65 100

67 51.8 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: VX034598.D

Acq: 17 Mar 2023 20:41

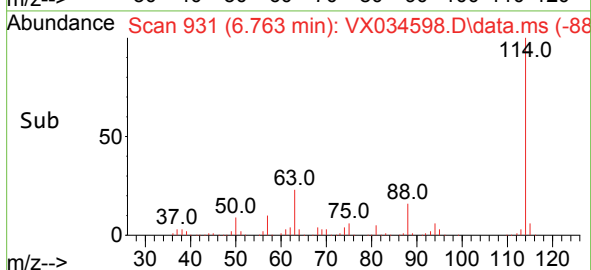
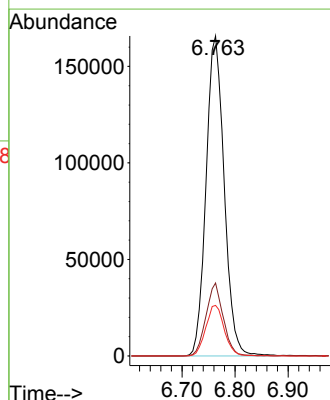
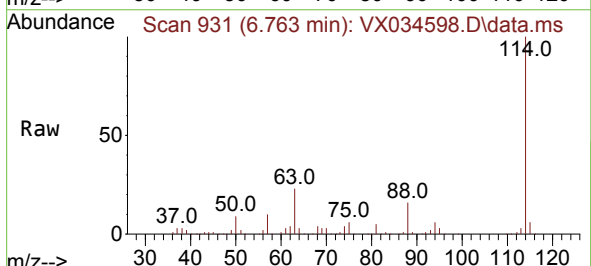
Tgt Ion: 114 Resp: 393162

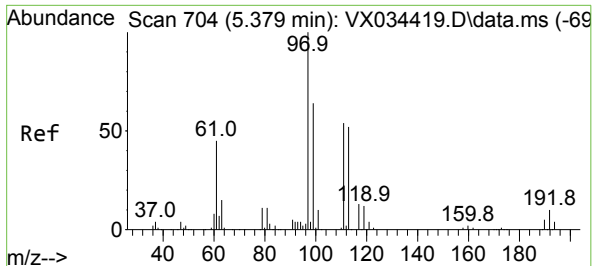
Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.265 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034598.D

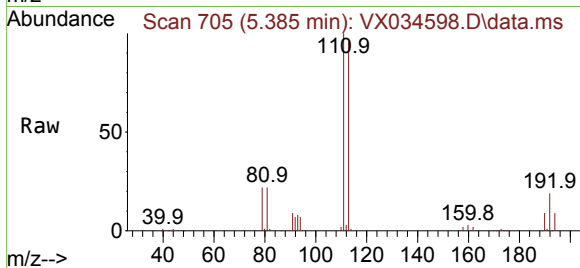
Acq: 17 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

CE-81-031423



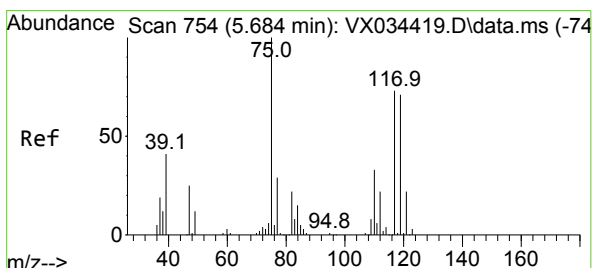
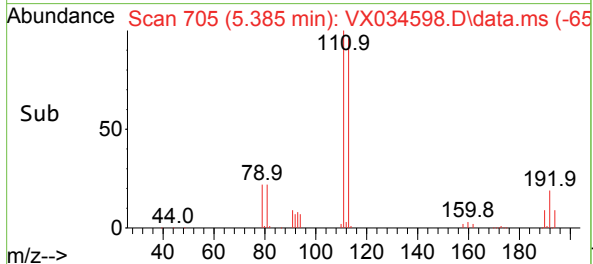
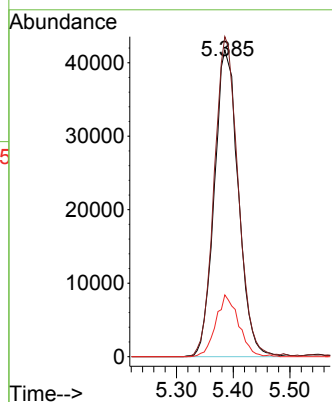
Tgt Ion:113 Resp: 122692

Ion Ratio Lower Upper

113 100

111 104.0 83.7 125.5

192 19.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

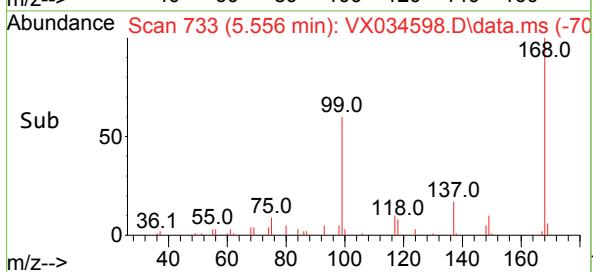
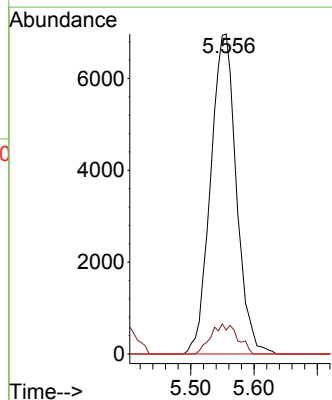
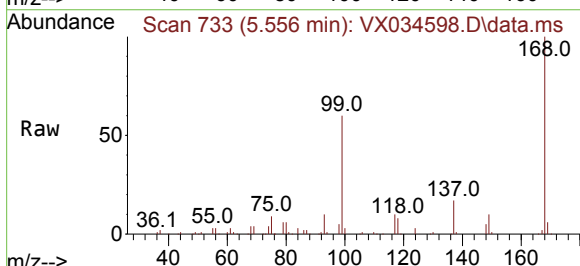
Tgt Ion: 75 Resp: 19723

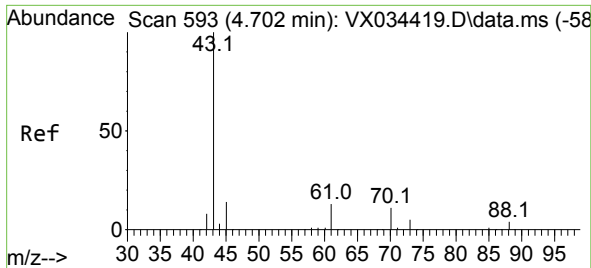
Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

77 0.0 24.3 36.5#

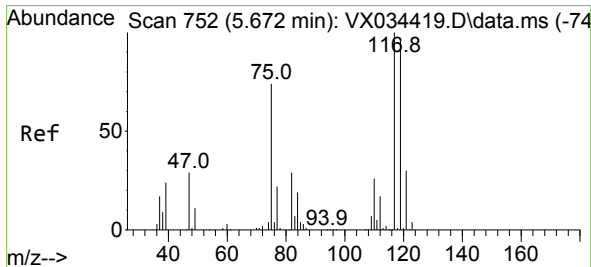
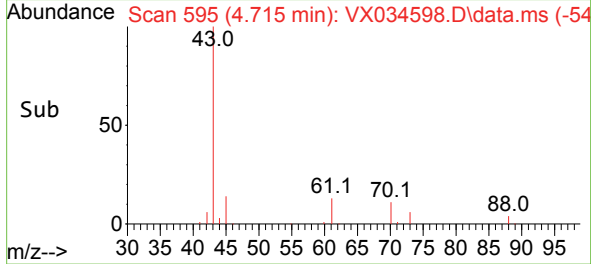
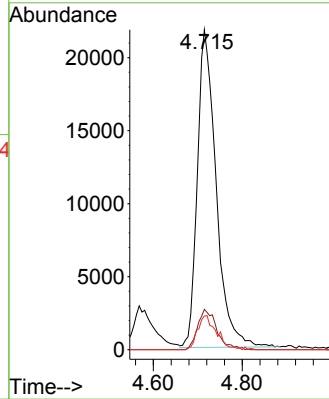
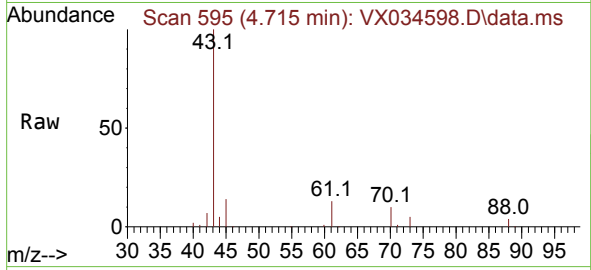




#37
Ethyl Acetate
Concen: 14.675 ug/l
RT: 4.715 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

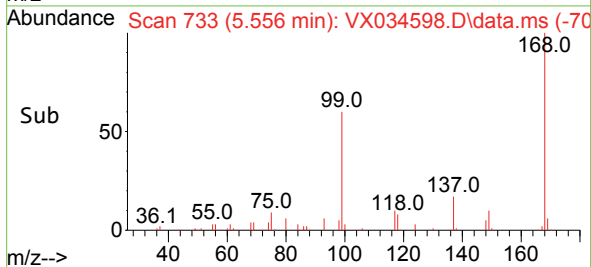
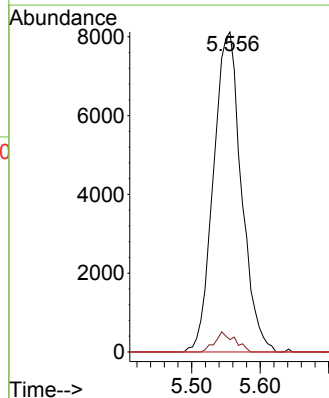
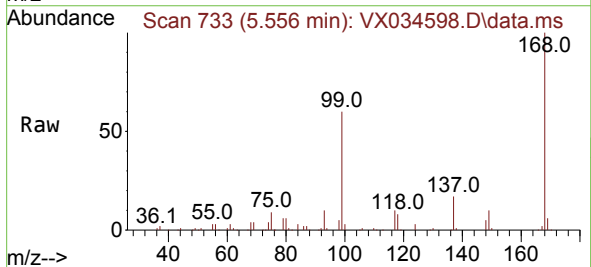
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

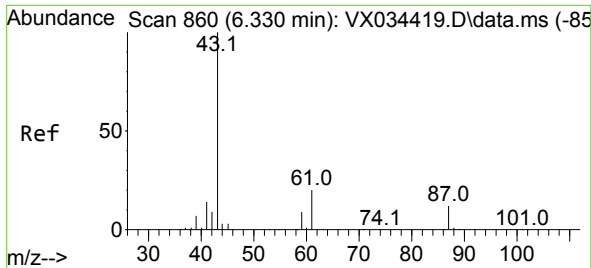
Tgt Ion: 43 Resp: 63922
Ion Ratio Lower Upper
43 100
61 12.9 10.2 15.4
70 10.7 8.2 12.4



#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 117 Resp: 22979
Ion Ratio Lower Upper
117 100
119 3.8 76.6 114.8#
121 0.0 23.8 35.6#

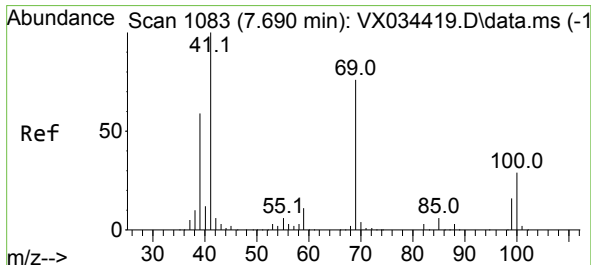
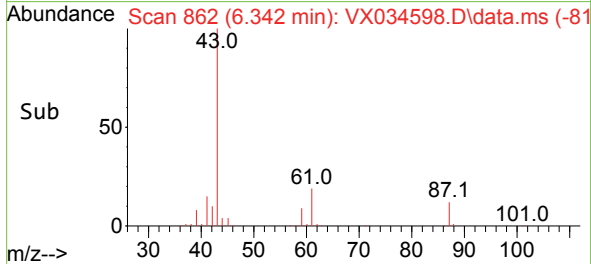
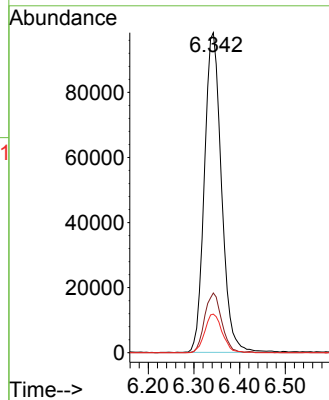
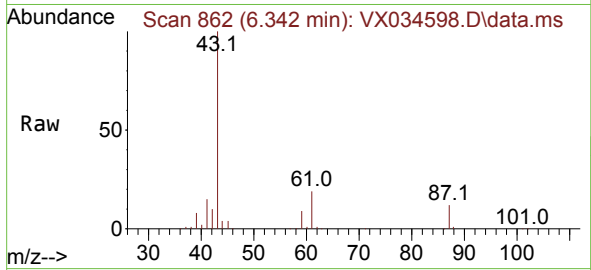




#43
Isopropyl Acetate
Concen: 34.504 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

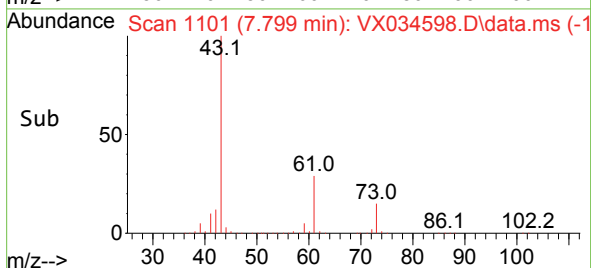
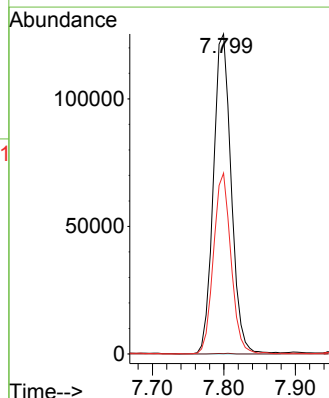
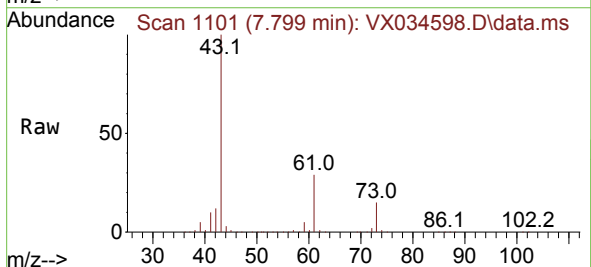
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

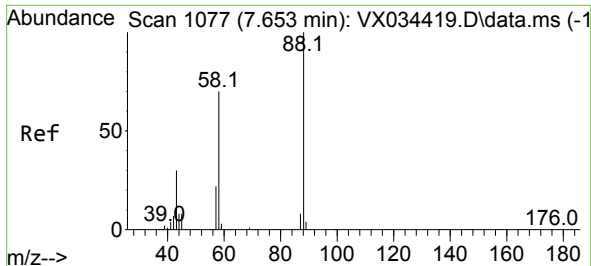
Tgt Ion: 43 Resp: 254602
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.4 9.8 14.8



#48
Methyl methacrylate
Concen: 61.234 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 41 Resp: 217310
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 55.5 47.7 71.5





#49

1,4-Dioxane

Concen: 1.207 ug/l

RT: 7.641 min Scan# 1077

Delta R.T. -0.012 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

CE-81-031423

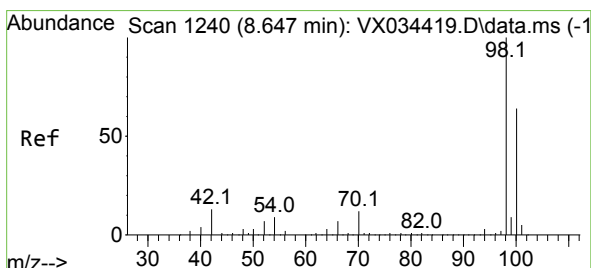
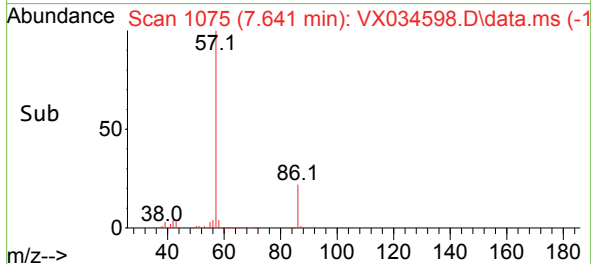
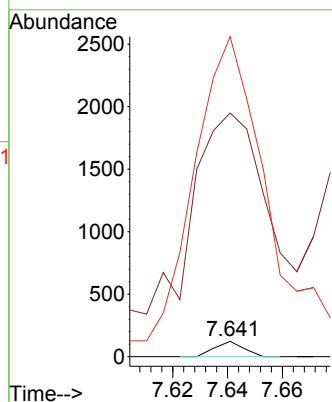
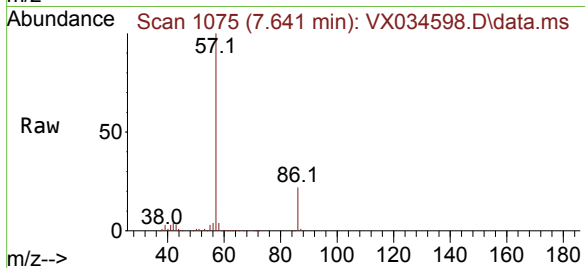
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 5522.2 56.8 85.2#



#50

Toluene-d8

Concen: 50.436 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034598.D

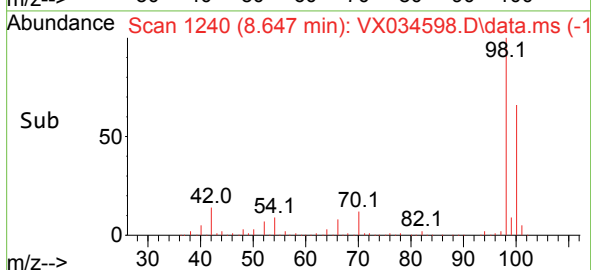
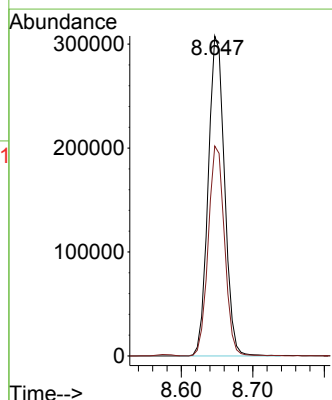
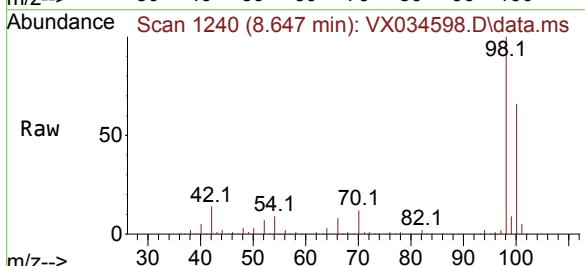
Acq: 17 Mar 2023 20:41

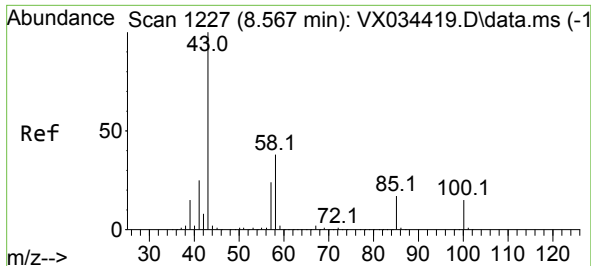
Tgt Ion: 98 Resp: 488751

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

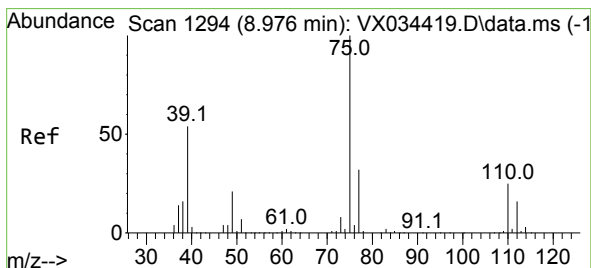
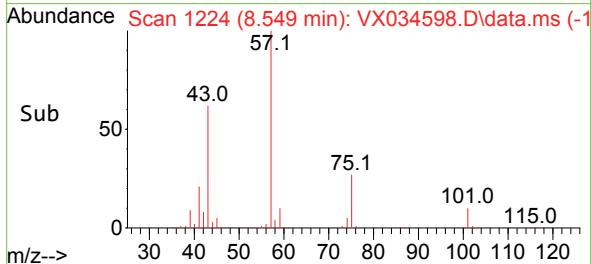
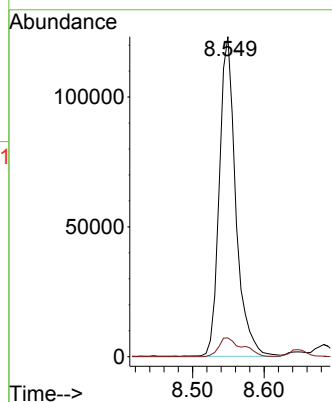
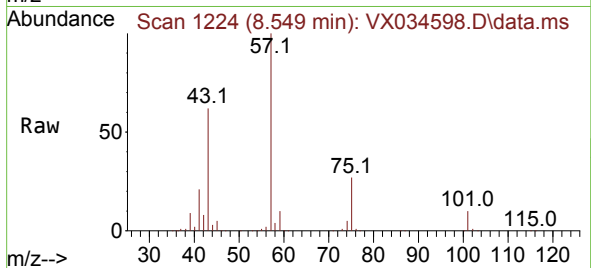




#51
4-Methyl-2-Pentanone
Concen: 46.070 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

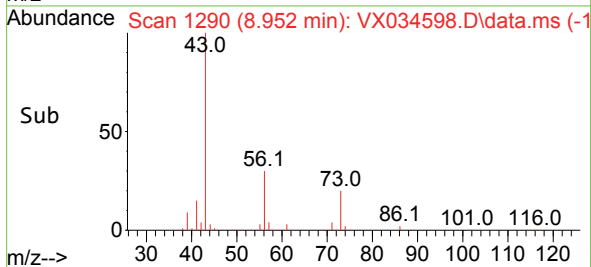
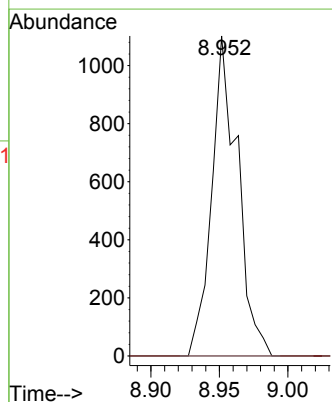
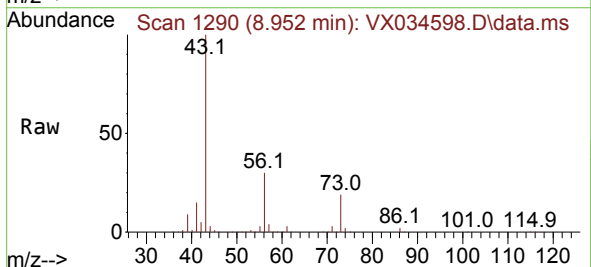
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

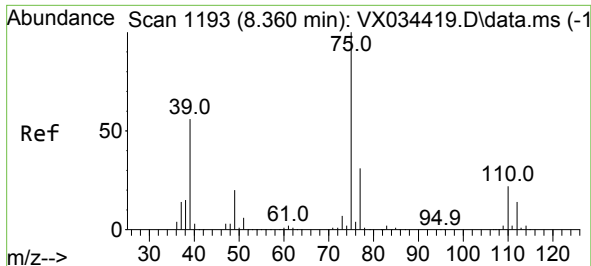
Tgt Ion: 43 Resp: 197205
Ion Ratio Lower Upper
43 100
58 8.5 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.321 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 75 Resp: 1449
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

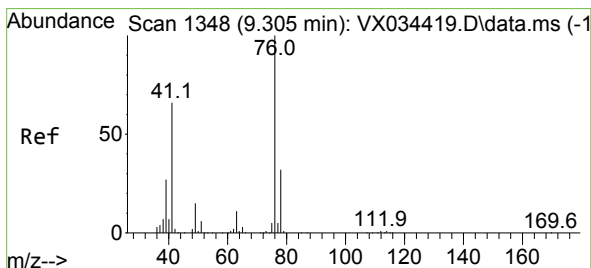
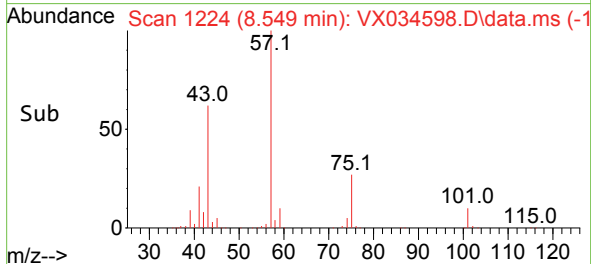
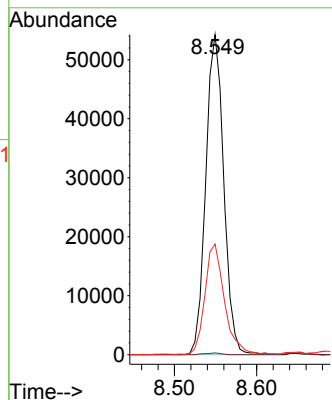
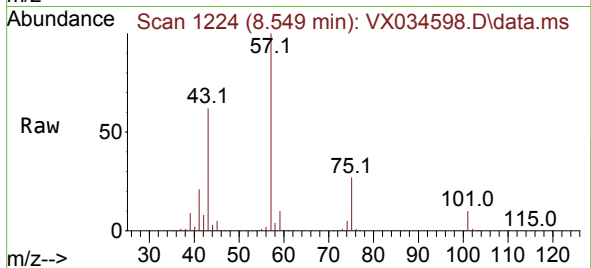




#54
 cis-1,3-Dichloropropene
 Concen: 16.872 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034598.D
 Acq: 17 Mar 2023 20:41

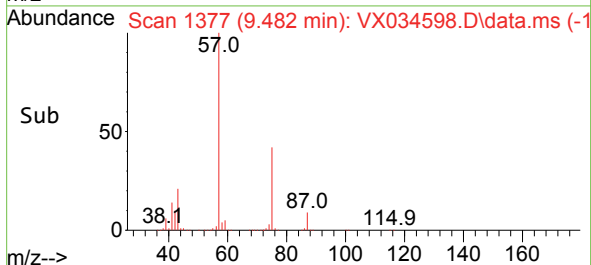
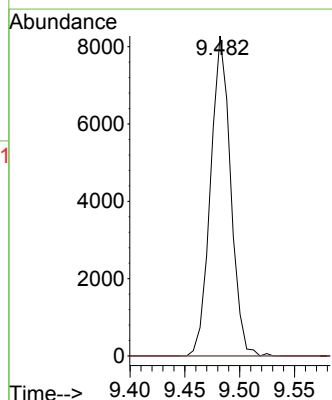
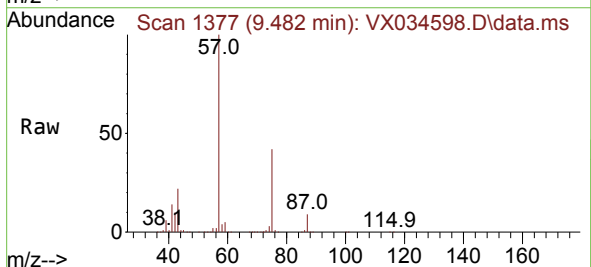
Instrument :
 MSVOA_X
 ClientSampleId :
 CE-81-031423

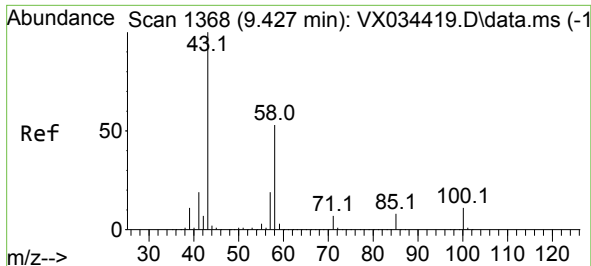
Tgt Ion: 75 Resp: 82406
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 34.4 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.074 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034598.D
 Acq: 17 Mar 2023 20:41

Tgt Ion: 76 Resp: 10566
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

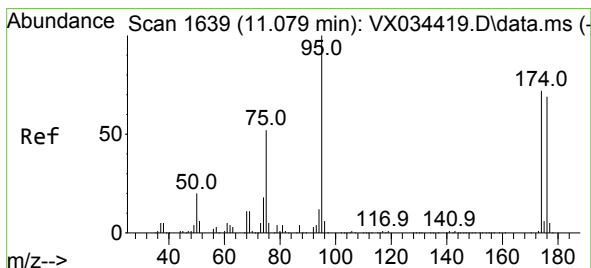
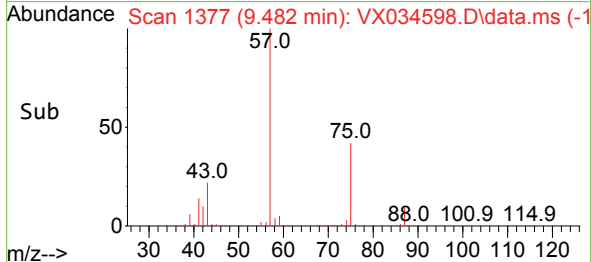
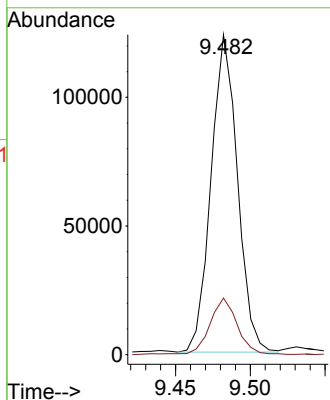
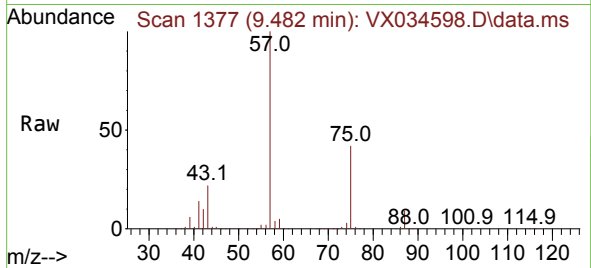




#59
2-Hexanone
Concen: 45.762 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

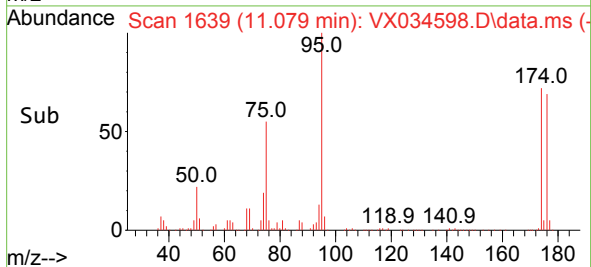
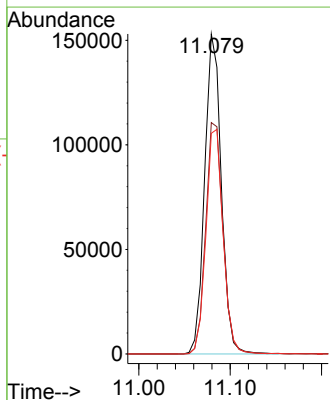
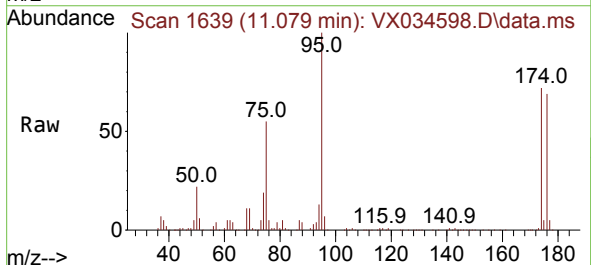
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

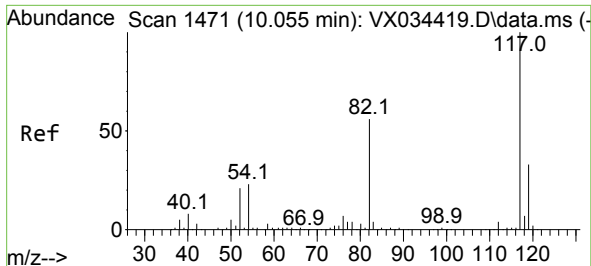
Tgt Ion: 43 Resp: 151423
Ion Ratio Lower Upper
43 100
58 18.8 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion: 95 Resp: 193855
Ion Ratio Lower Upper
95 100
174 75.1 0.0 147.4
176 72.4 0.0 140.6

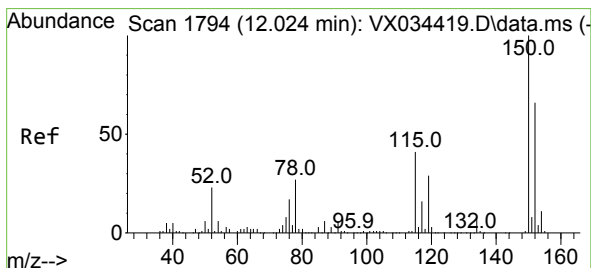
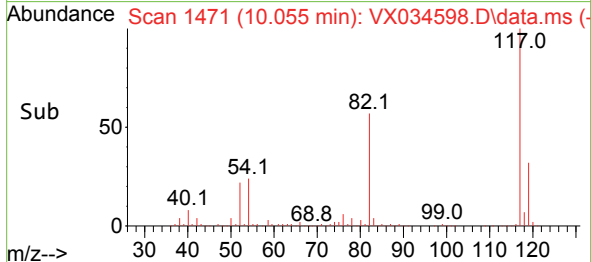
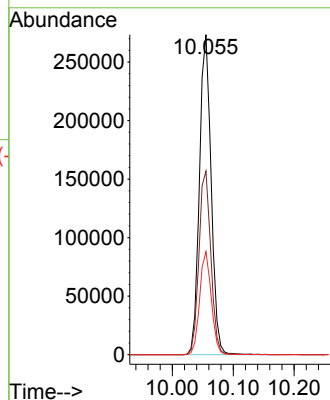
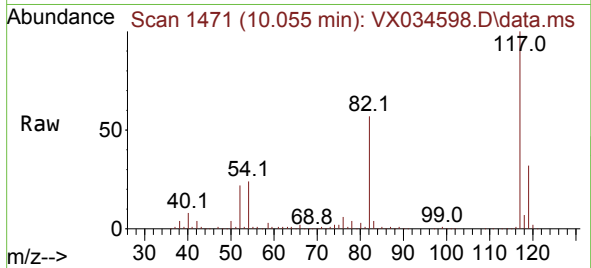




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

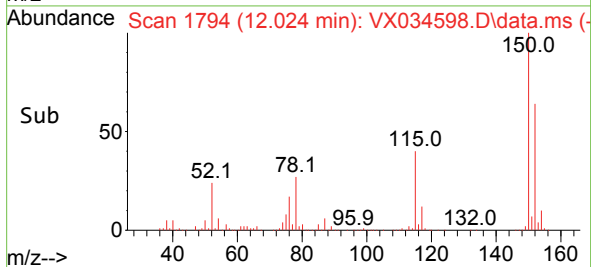
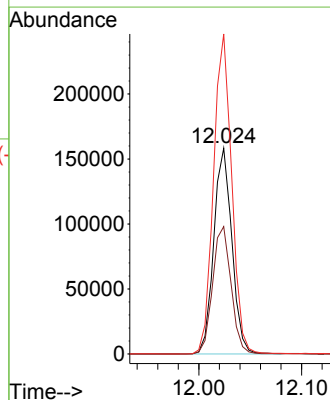
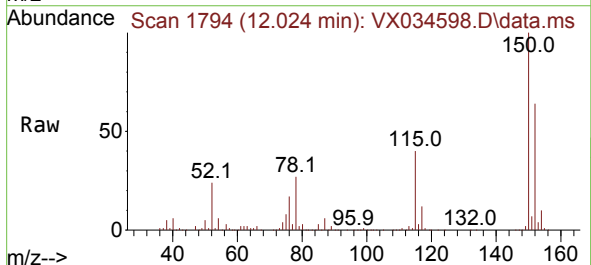
Instrument :
MSVOA_X
ClientSampleId :
CE-81-031423

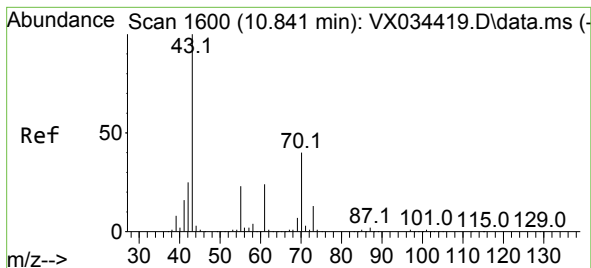
Tgt Ion:117 Resp: 363781
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034598.D
Acq: 17 Mar 2023 20:41

Tgt Ion:152 Resp: 193515
Ion Ratio Lower Upper
152 100
115 63.1 45.0 135.0
150 156.1 0.0 352.4





#74

N-amy1 acetate

Concen: 7.668 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034598.D

Acq: 17 Mar 2023 20:41

Instrument :

MSVOA_X

ClientSampleId :

CE-81-031423

Tgt Ion: 43 Resp: 54930

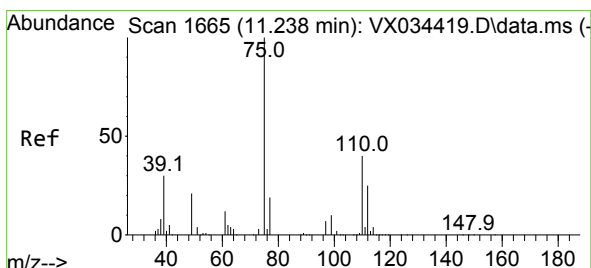
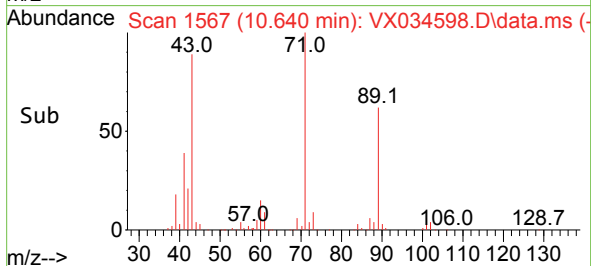
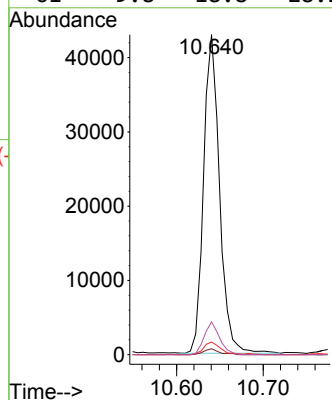
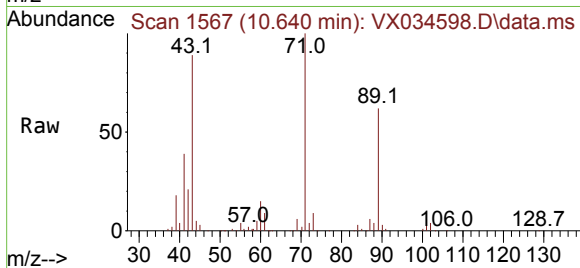
Ion Ratio Lower Upper

43 100

70 1.8 32.1 48.1#

55 4.2 18.3 27.5#

61 9.8 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 23.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034598.D

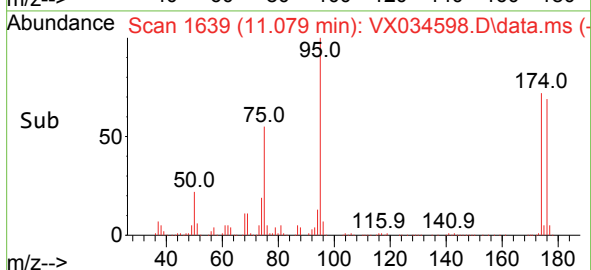
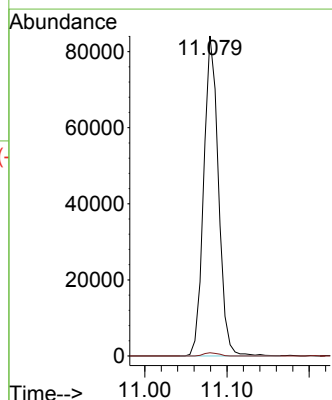
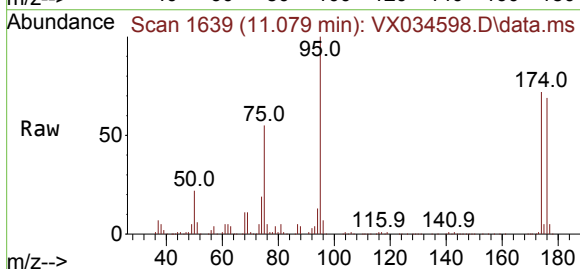
Acq: 17 Mar 2023 20:41

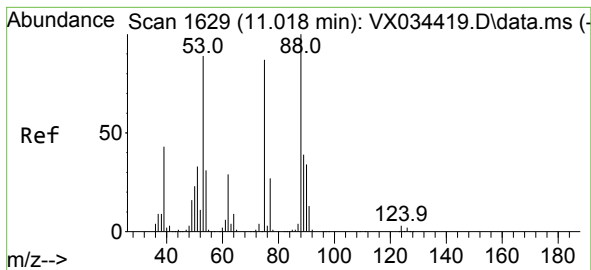
Tgt Ion: 75 Resp: 104582

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.674 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034598.D
 Acq: 17 Mar 2023 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 CE-81-031423

Tgt Ion: 75 Resp: 104582
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

