

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033494.D
 Acq On : 19 Dec 2022 19:22
 Operator : JC/MD
 Sample : N6098-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:02:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

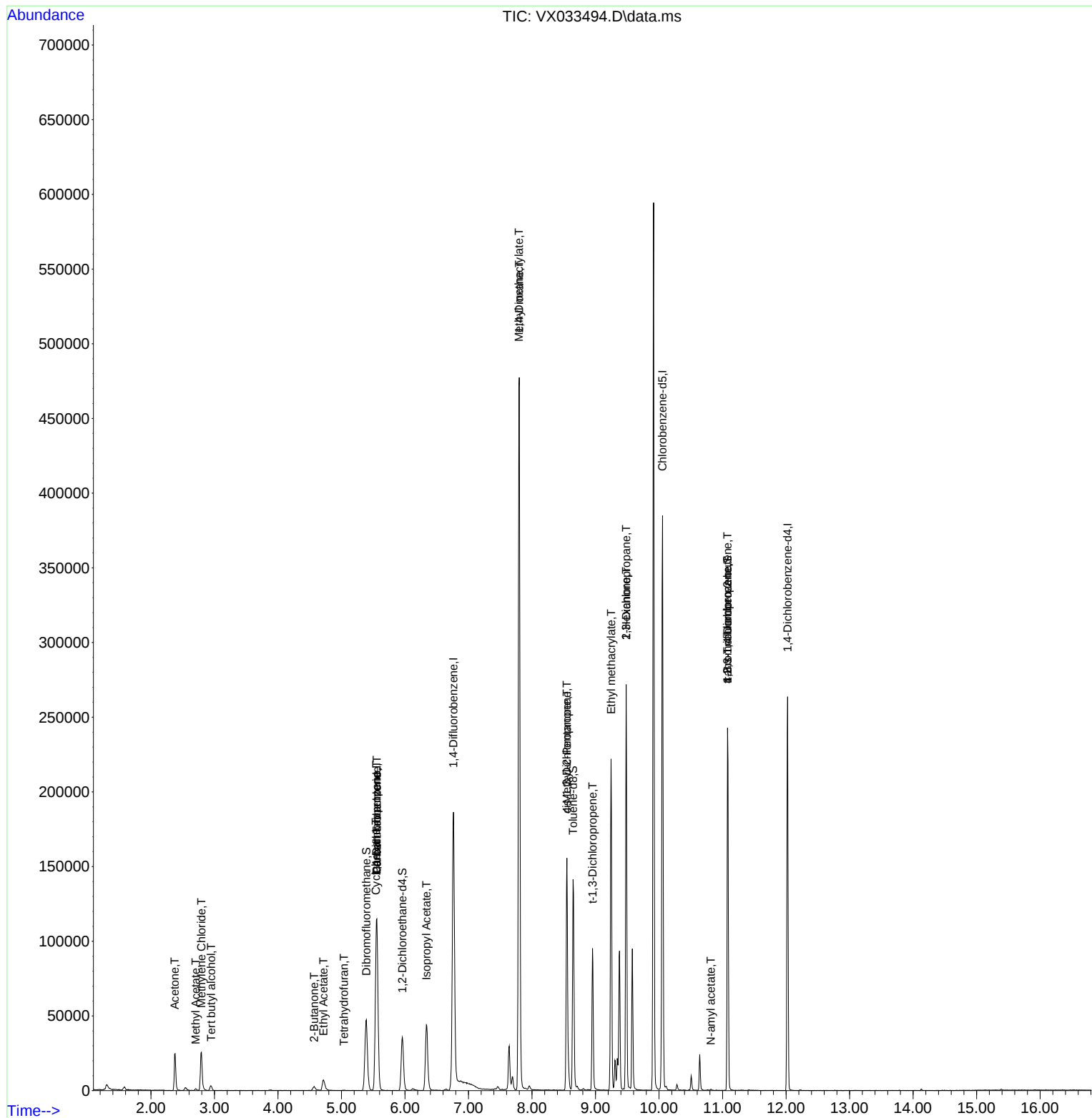
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	112533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	188572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36999	51.250	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.500%
35) Dibromofluoromethane	5.391	113	41087	48.443	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.880%
50) Toluene-d8	8.647	98	84751	47.766	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.540%
62) 4-Bromofluorobenzene	11.079	95	64322	47.412	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.820%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	2163	9.800	ug/l #	72
16) Acetone	2.373	43	27000	50.541	ug/l	97
18) Methyl Acetate	2.703	43	1406	0.909	ug/l	97
20) Methylene Chloride	2.794	84	13525	11.352	ug/l #	88
25) 2-Butanone	4.568	43	3822	4.984	ug/l #	82
29) Tetrahydrofuran	5.037	42	184	0.370	ug/l #	31
31) Cyclohexane	5.543	56	2230	1.300	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	8227	4.975	ug/l #	49
37) Ethyl Acetate	4.714	43	13506	8.640	ug/l	99
38) Carbon Tetrachloride	5.556	117	11615	6.269	ug/l #	16
43) Isopropyl Acetate	6.336	43	60142	23.912	ug/l	99
48) Methyl methacrylate	7.793	41	43281	33.343	ug/l #	43
49) 1,4-Dioxane	7.799	88	20	0.676	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	56103	35.273	ug/l #	46
53) t-1,3-Dichloropropene	8.951	75	186	2.595	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24221	12.431	ug/l #	57
56) Ethyl methacrylate	9.244	69	600	0.325	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2198	1.044	ug/l #	42
59) 2-Hexanone	9.482	43	30935	26.393	ug/l #	52
74) N-amyl acetate	10.817	43	493	0.357	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	33312	29.345	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33312	91.284	ug/l #	6

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

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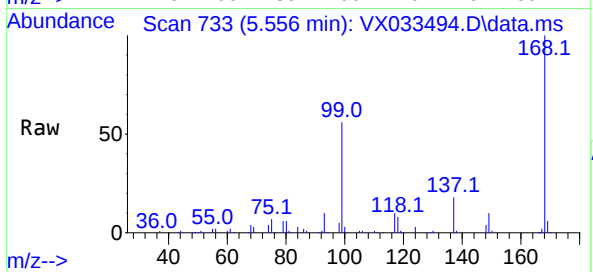
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



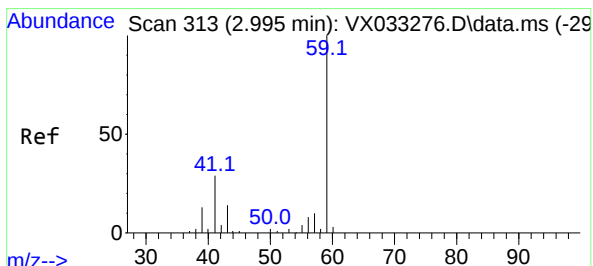
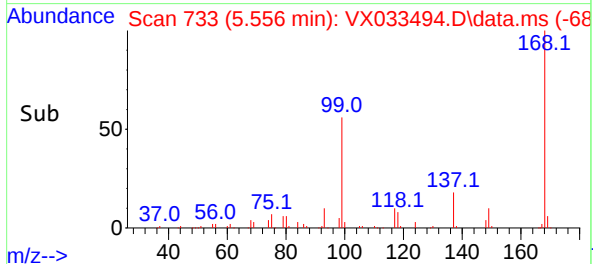
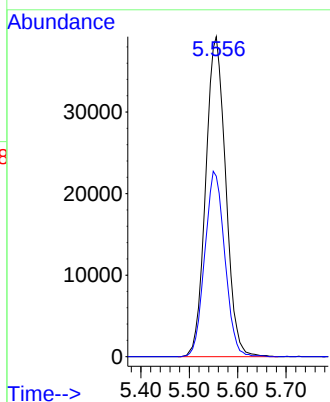


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Instrument :
MSVOA_X
ClientSampleId :

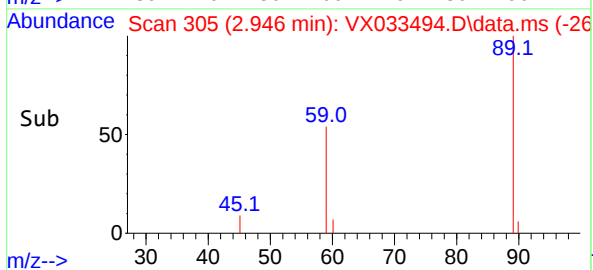
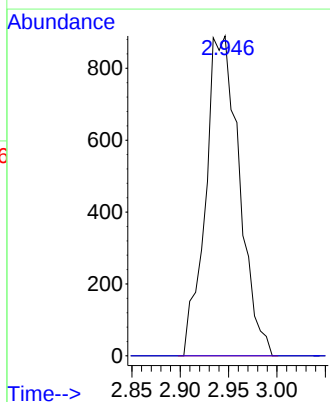
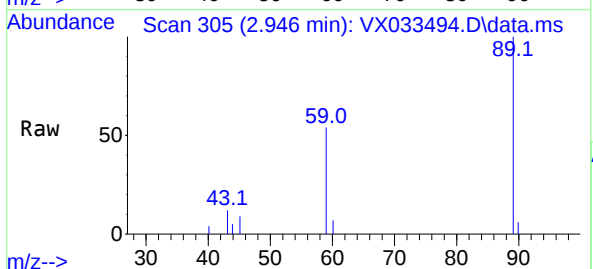


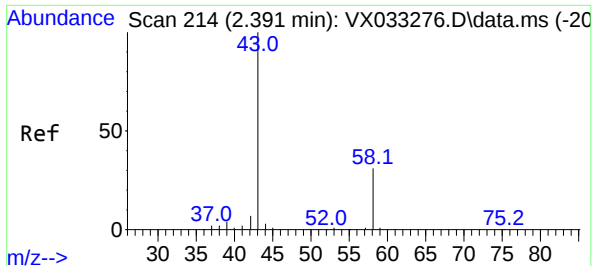
Tgt Ion:168 Resp: 112533
Ion Ratio Lower Upper
168 100
99 56.4 46.1 69.1



#11
Tert butyl alcohol
Concen: 9.800 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 59 Resp: 2163
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

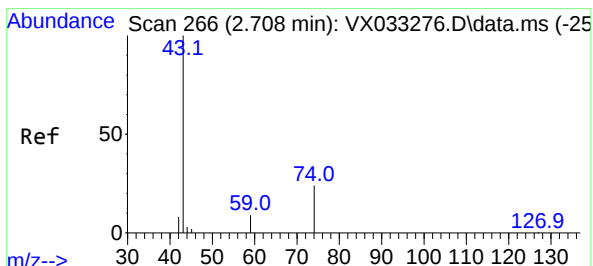
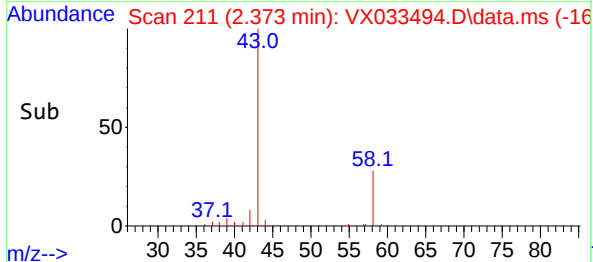
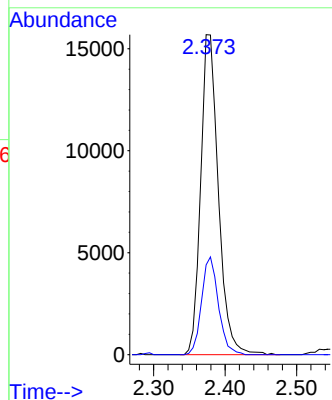
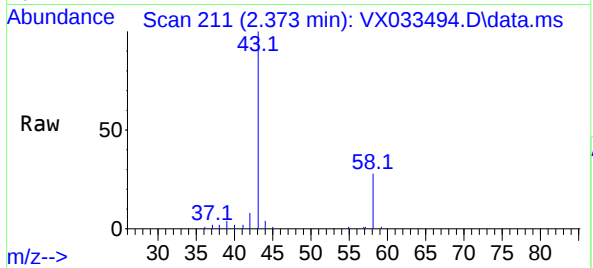




#16
Acetone
Concen: 50.541 ug/l
RT: 2.373 min Scan# 214
Delta R.T. -0.018 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

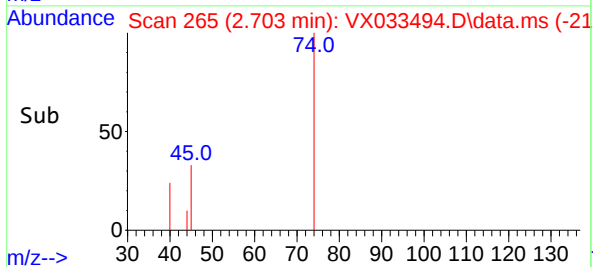
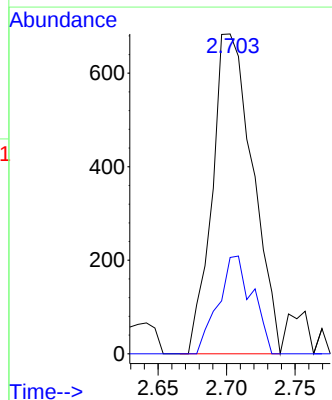
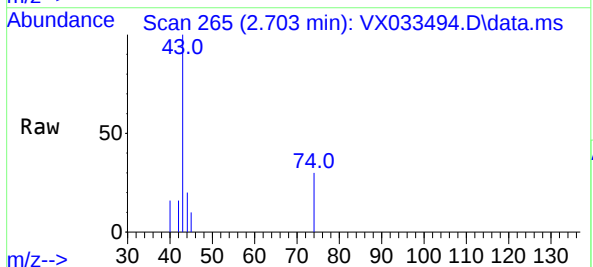
Instrument :
MSVOA_X
ClientSampleId :

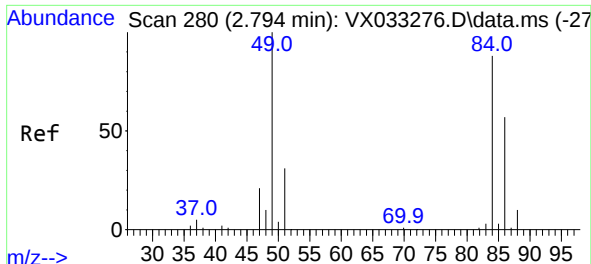
Tgt Ion: 43 Resp: 27000
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.8



#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

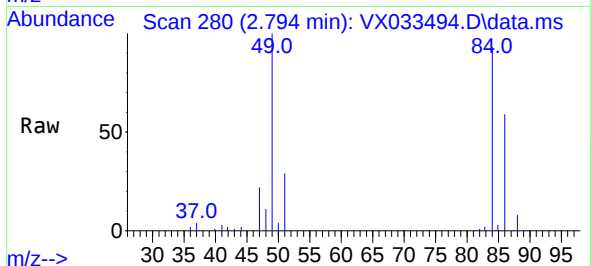
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
74 25.8 19.4 29.0



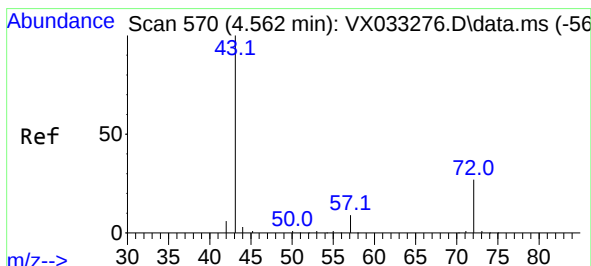
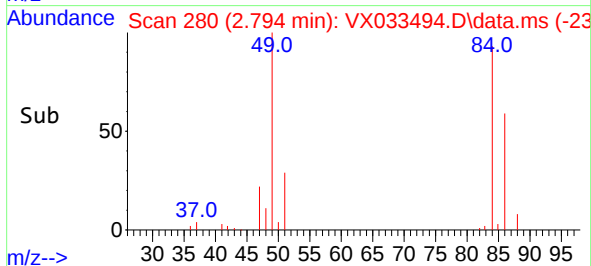
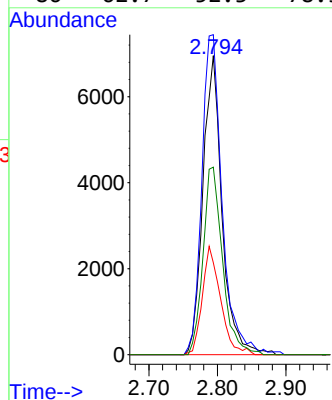


#20
Methylene Chloride
Concen: 11.352 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Instrument :
MSVOA_X
ClientSampleId :

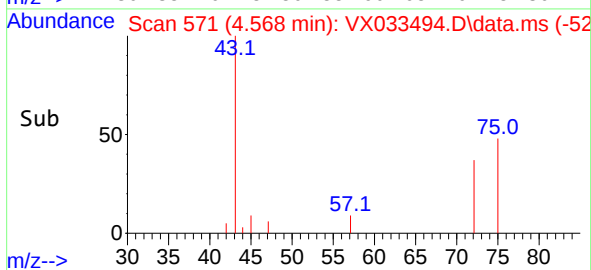
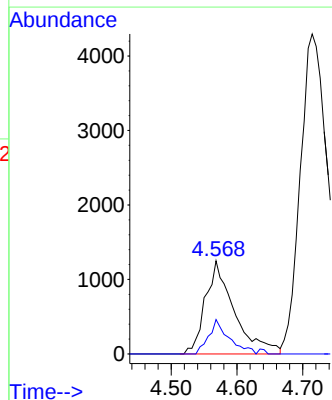
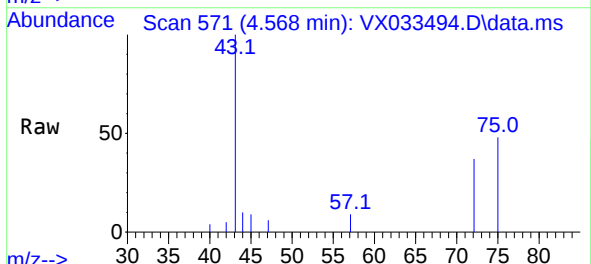


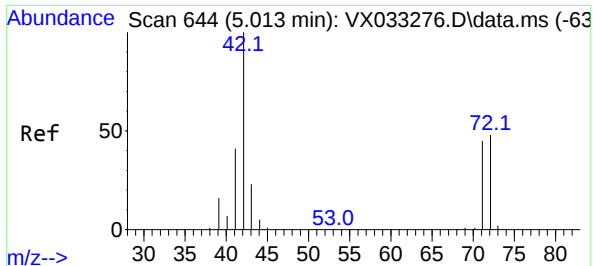
Tgt Ion: 84 Resp: 13525
Ion Ratio Lower Upper
84 100
49 107.0 101.0 151.6
51 30.8 31.1 46.7#
86 62.7 52.3 78.5



#25
2-Butanone
Concen: 4.984 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 43 Resp: 3822
Ion Ratio Lower Upper
43 100
72 37.0 22.2 33.2#





#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.024 min

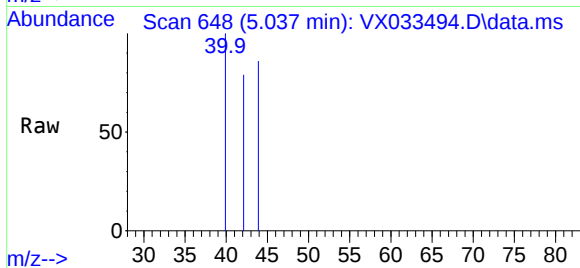
Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

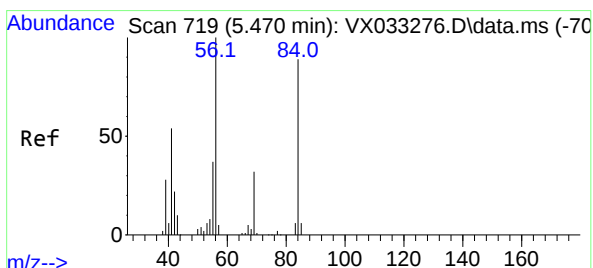
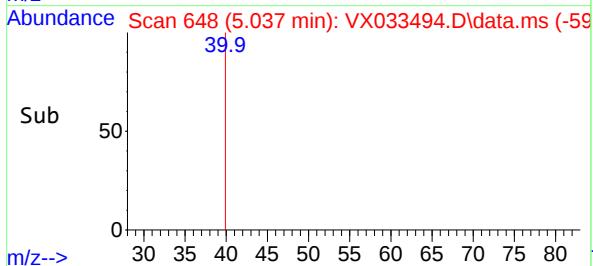
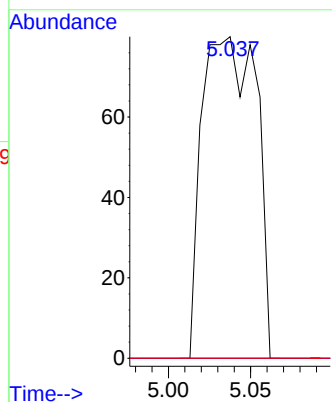
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	184
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.300 ug/l

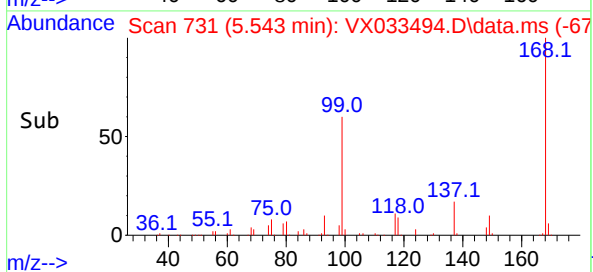
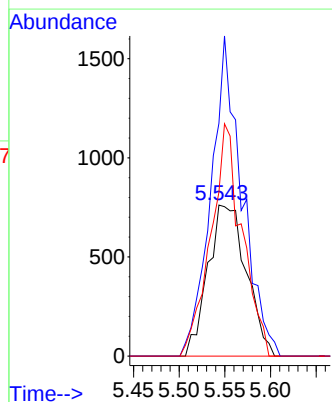
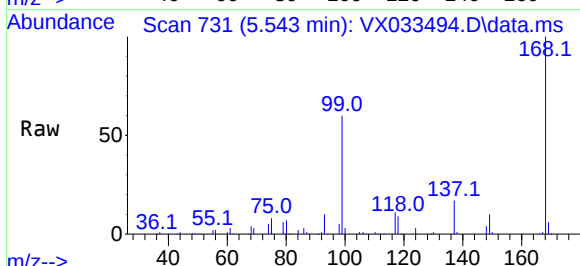
RT: 5.543 min Scan# 731

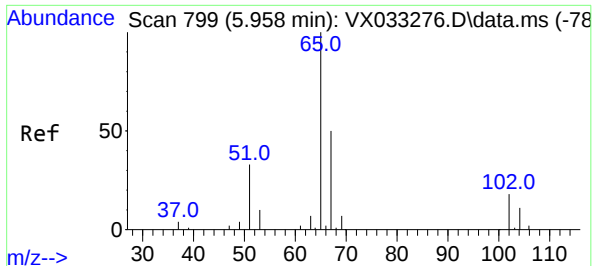
Delta R.T. 0.073 min

Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

Tgt Ion:	56	Resp:	2230
Ion	Ratio	Lower	Upper
56	100		
69	154.1	24.1	36.1#
84	108.4	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.250 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

Instrument :

MSVOA_X

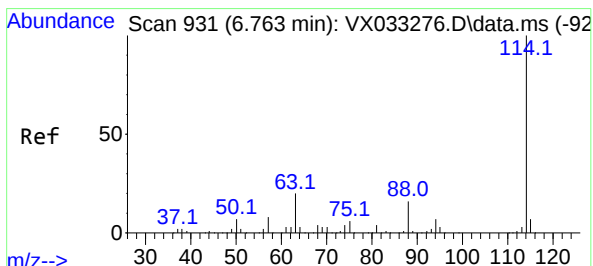
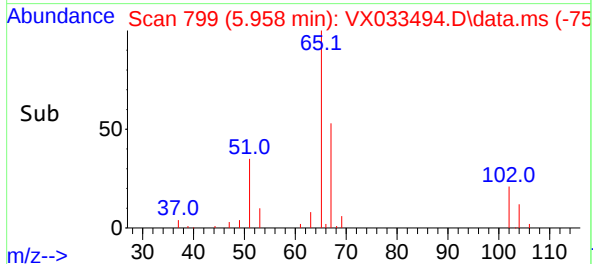
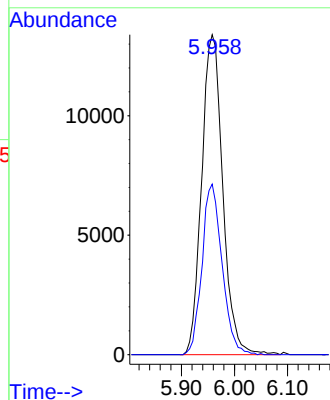
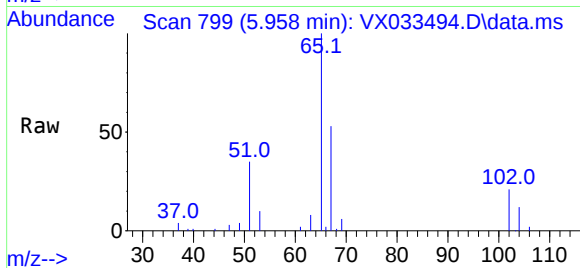
ClientSampleId :

Tgt Ion: 65 Resp: 36999

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

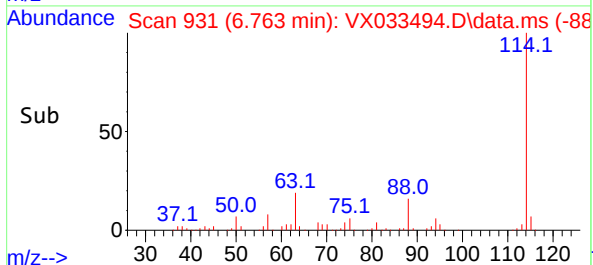
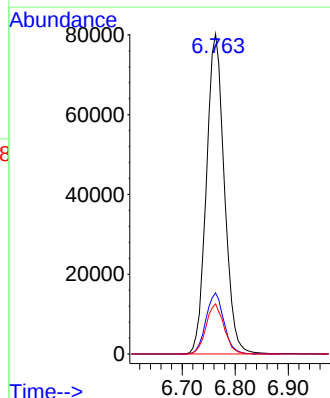
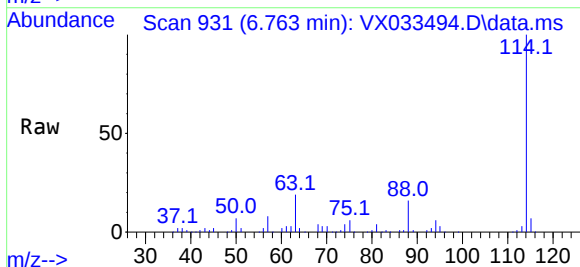
Tgt Ion:114 Resp: 188572

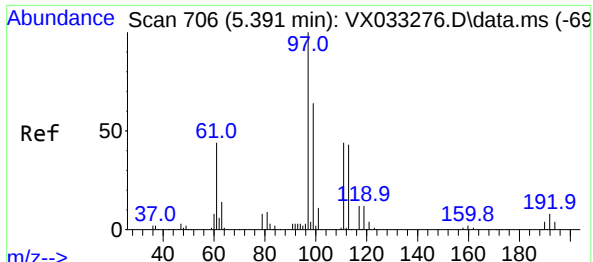
Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.6

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.443 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

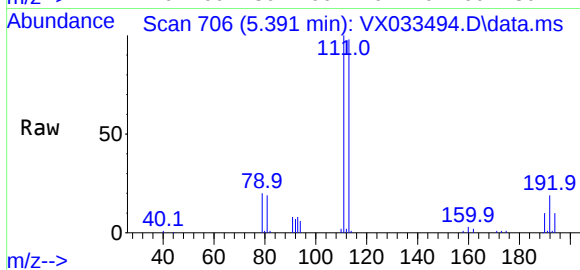
Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

Instrument :

MSVOA_X

ClientSampleId :



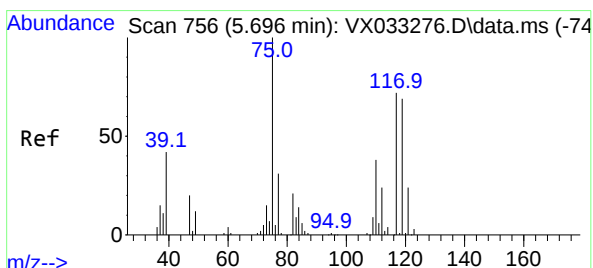
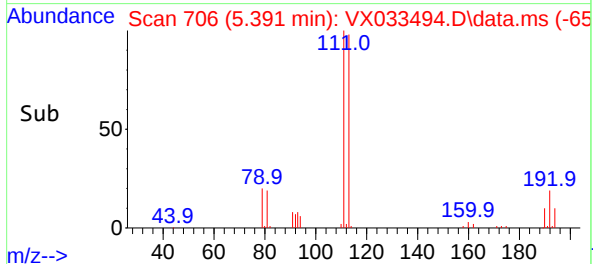
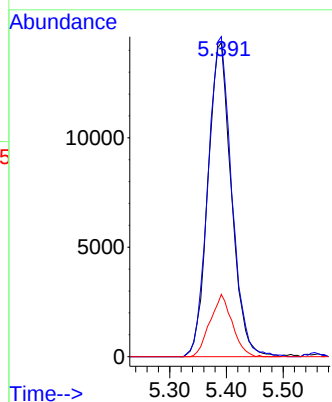
Tgt Ion:113 Resp: 41087

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.975 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033494.D

Acq: 19 Dec 2022 19:22

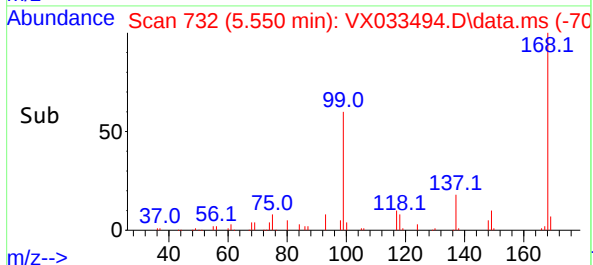
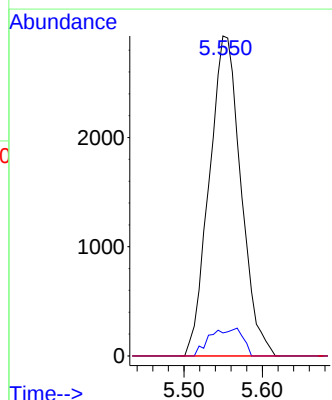
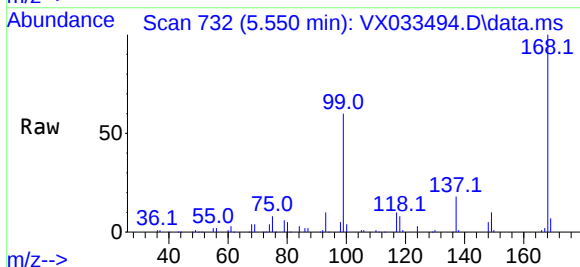
Tgt Ion: 75 Resp: 8227

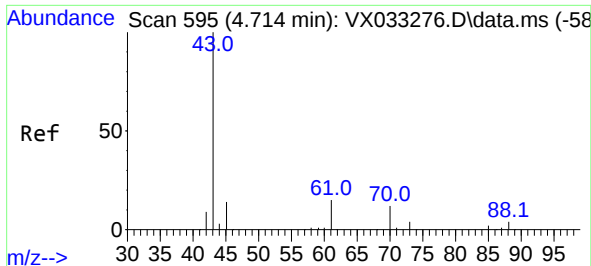
Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.5 36.7#

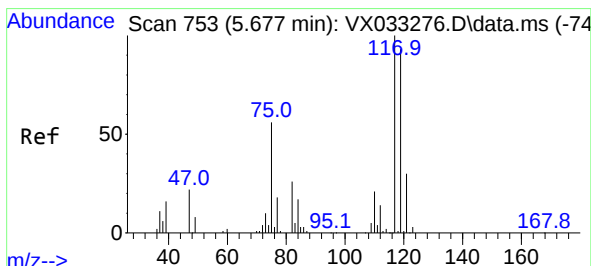
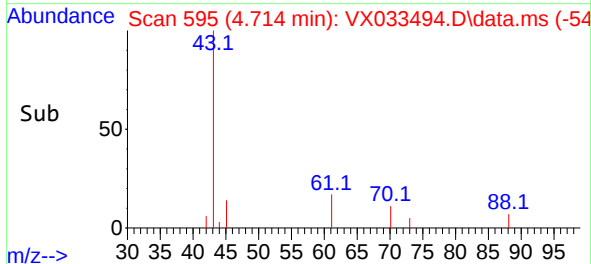
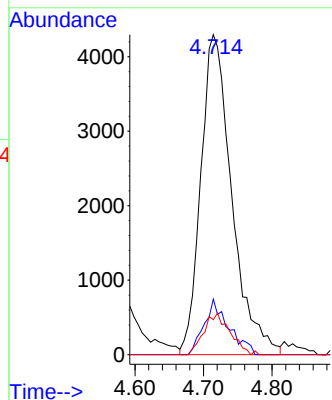
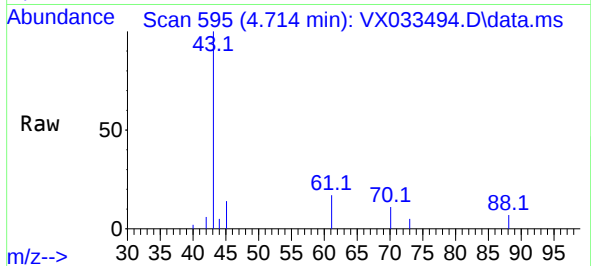




#37
Ethyl Acetate
Concen: 8.640 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

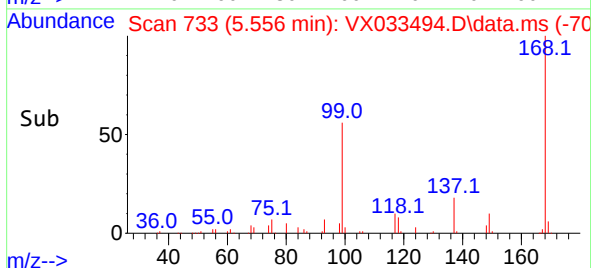
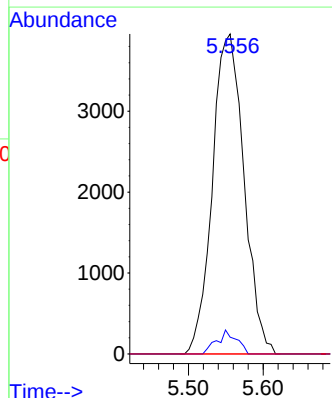
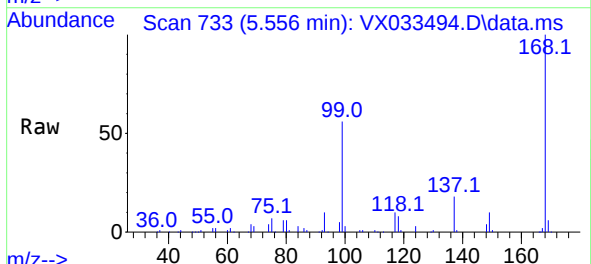
Instrument :
MSVOA_X
ClientSampleId :

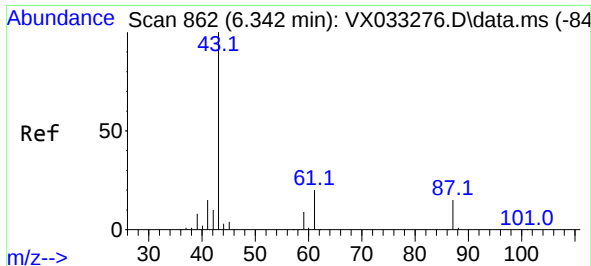
Tgt Ion:	43	Resp:	13506
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	11.0	9.1	13.7



#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion:	117	Resp:	11615
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.2	115.8#
121	0.0	25.8	38.6#

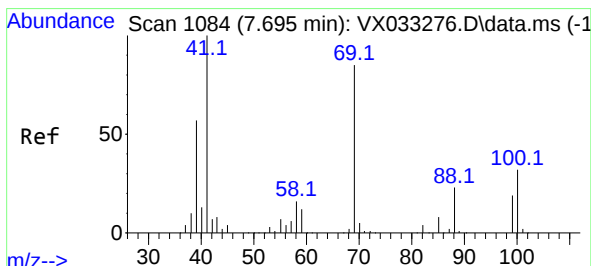
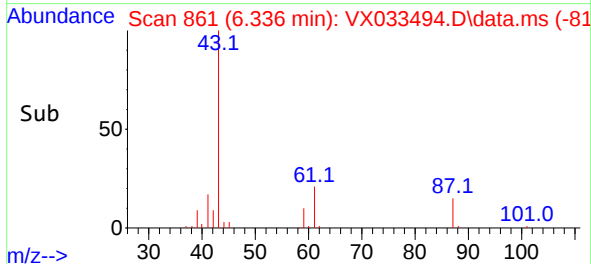
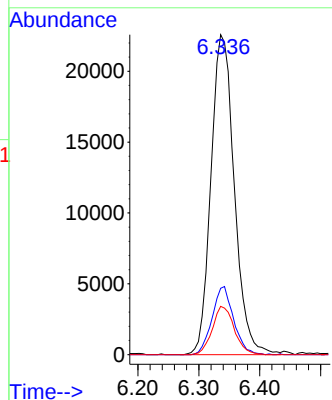
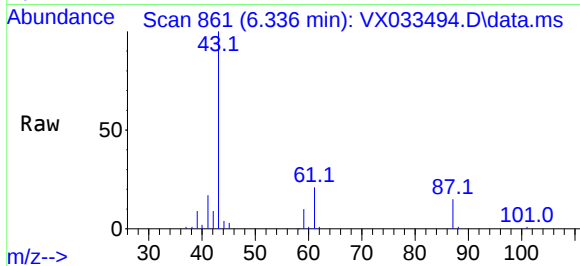




#43
Isopropyl Acetate
Concen: 23.912 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

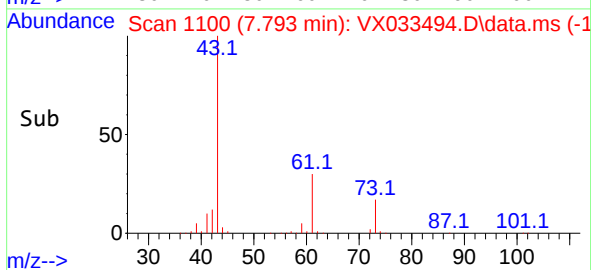
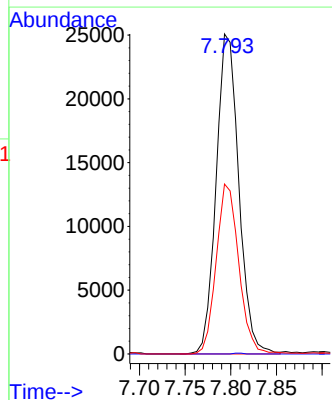
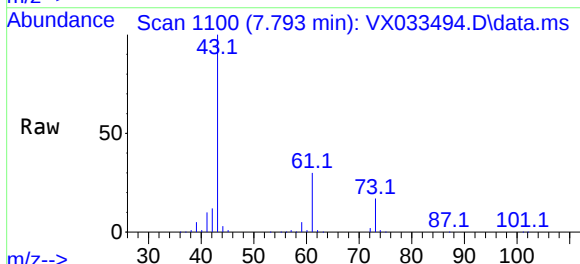
Instrument :
MSVOA_X
ClientSampleId :

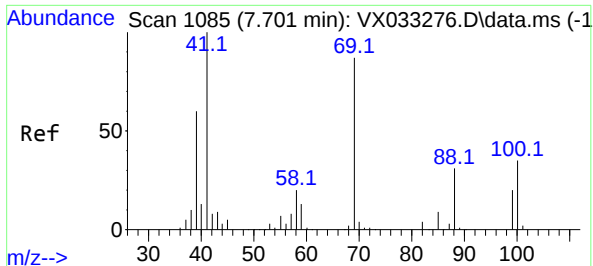
Tgt Ion: 43 Resp: 60142
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0
87 14.2 10.8 16.2



#48
Methyl methacrylate
Concen: 33.343 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 41 Resp: 43281
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 53.1 51.9 77.9

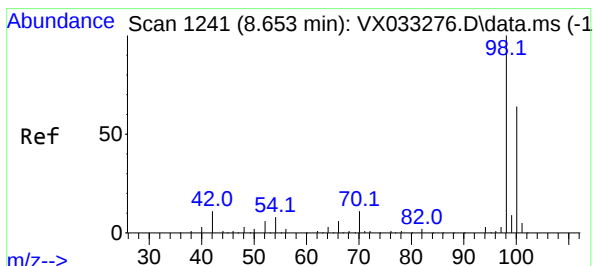
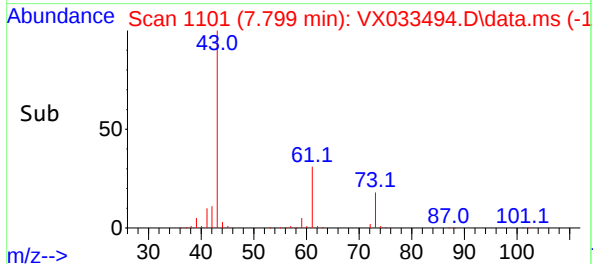
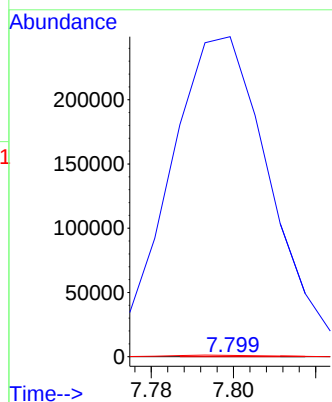
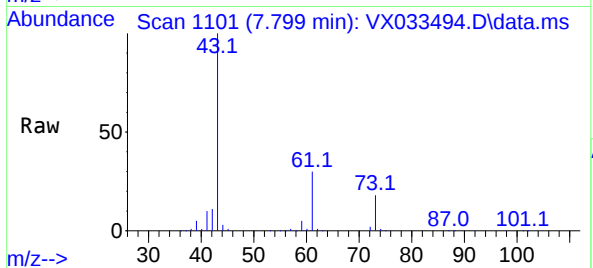




#49
1,4-Dioxane
Concen: 0.676 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.098 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

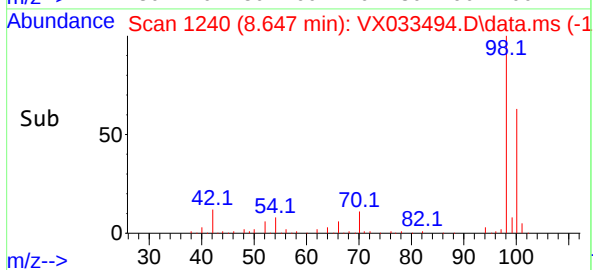
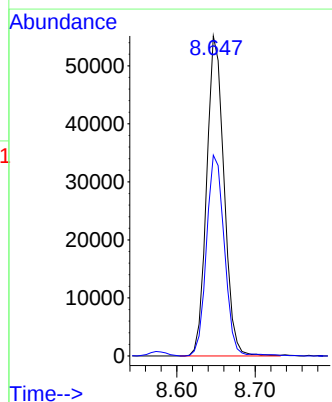
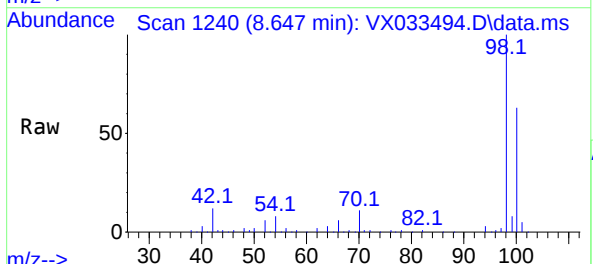
Instrument :
MSVOA_X
ClientSampleId :

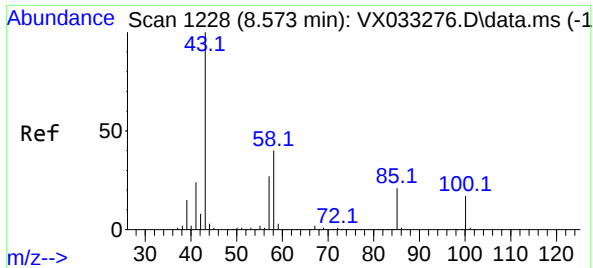
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 2171975.0 26.6 39.8#
58 9565.0 51.7 77.5#



#50
Toluene-d8
Concen: 47.766 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 98 Resp: 84751
Ion Ratio Lower Upper
98 100
100 64.9 50.9 76.3

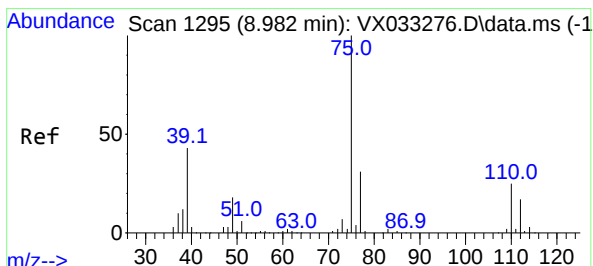
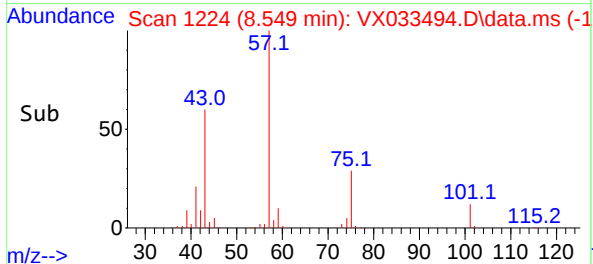
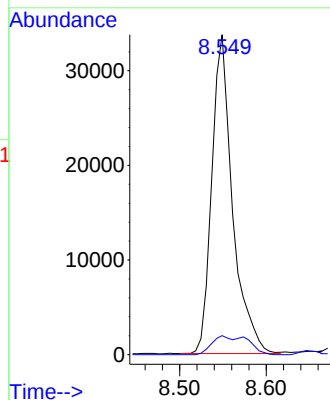
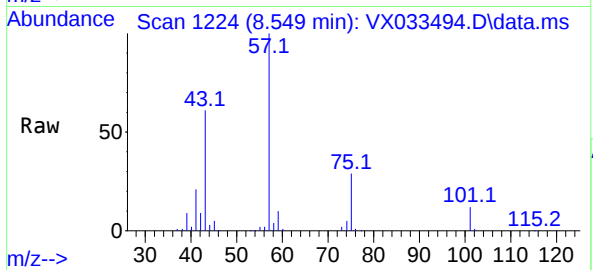




#51
4-Methyl-2-Pentanone
Concen: 35.273 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

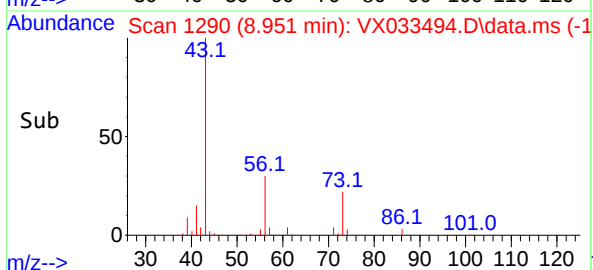
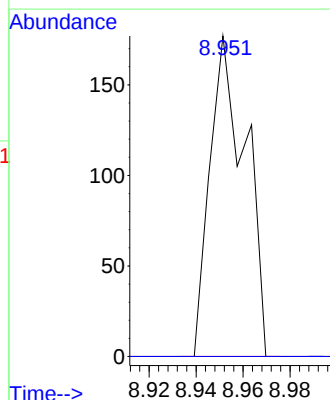
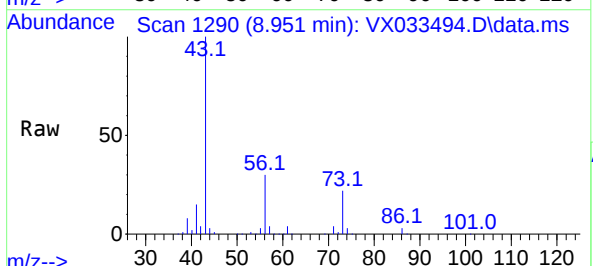
Instrument :
MSVOA_X
ClientSampleId :

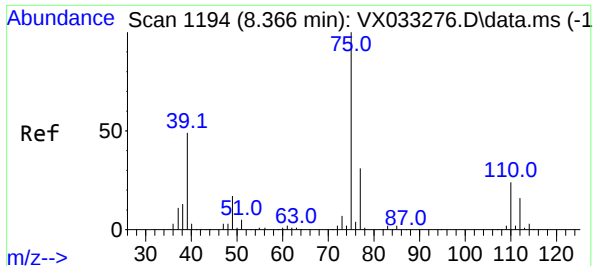
Tgt Ion: 43 Resp: 56103
Ion Ratio Lower Upper
43 100
58 5.8 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.595 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.031 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 75 Resp: 186
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

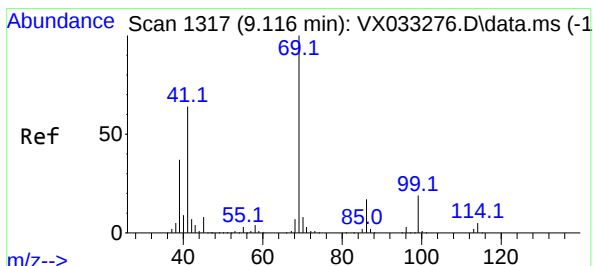
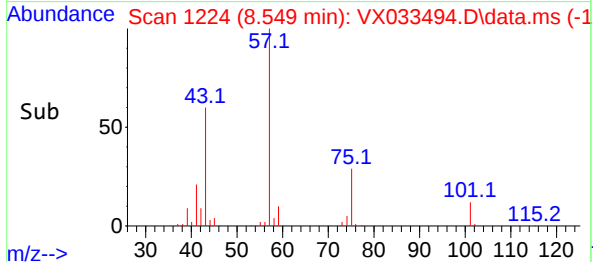
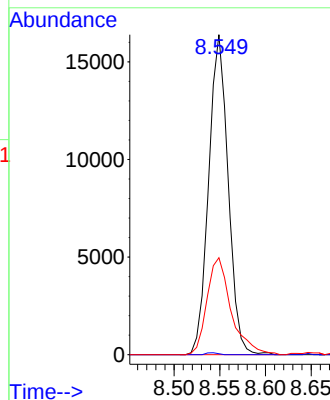
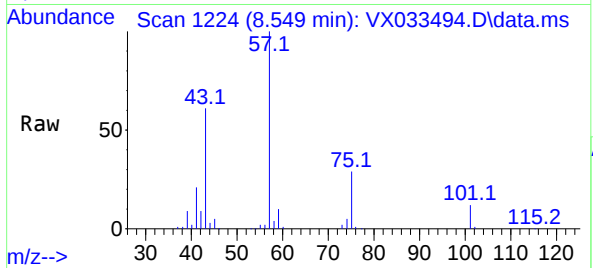




#54
 cis-1,3-Dichloropropene
 Concen: 12.431 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033494.D
 Acq: 19 Dec 2022 19:22

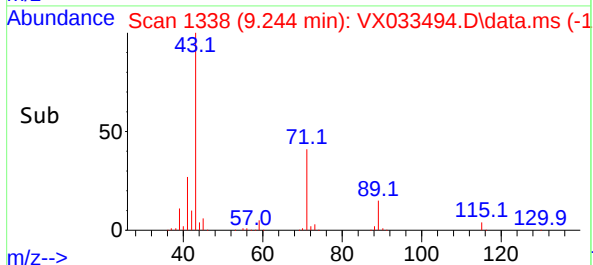
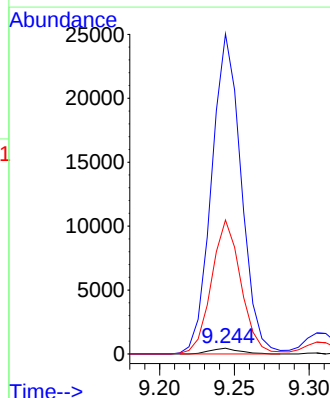
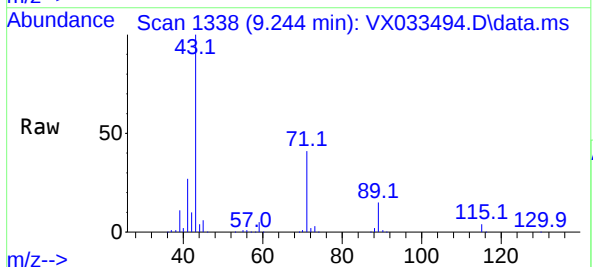
Instrument :
 MSVOA_X
 ClientSampleId :

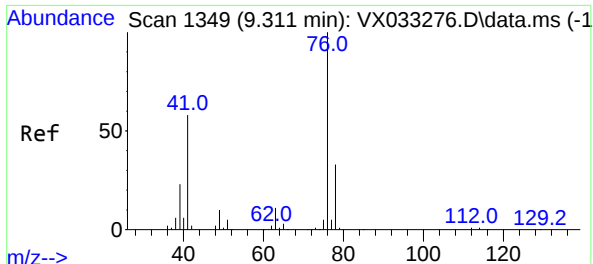
Tgt Ion: 75 Resp: 24221
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.1 37.7#
 39 30.3 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.325 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033494.D
 Acq: 19 Dec 2022 19:22

Tgt Ion: 69 Resp: 600
 Ion Ratio Lower Upper
 69 100
 41 5743.7 54.3 81.5#
 39 2403.0 35.2 52.8#

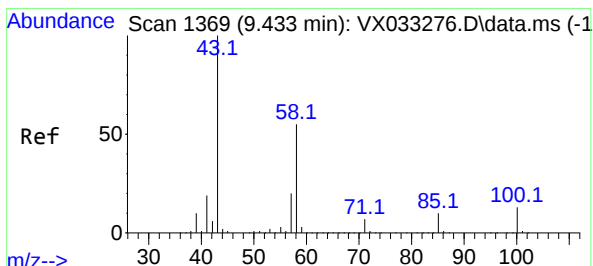
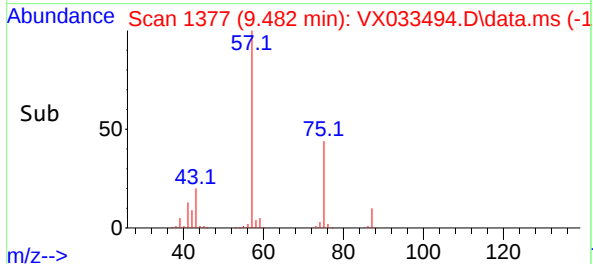
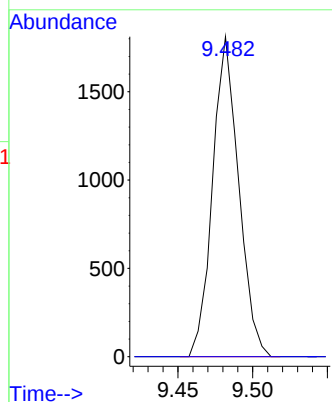
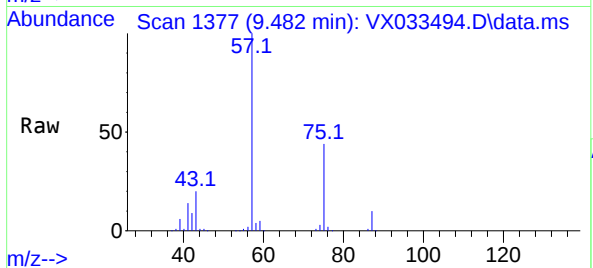




#57
1,3-Dichloropropane
Concen: 1.044 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

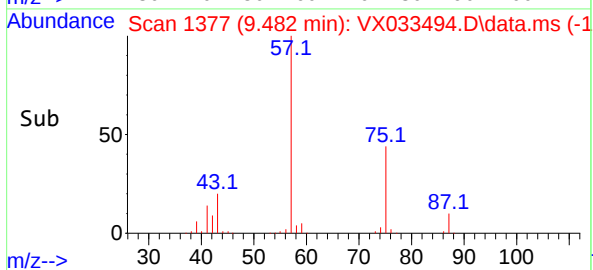
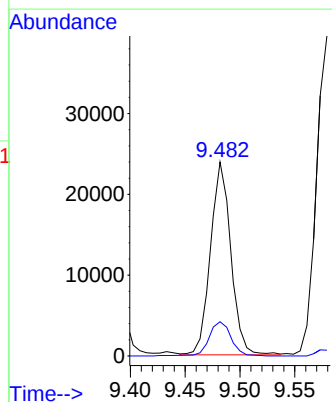
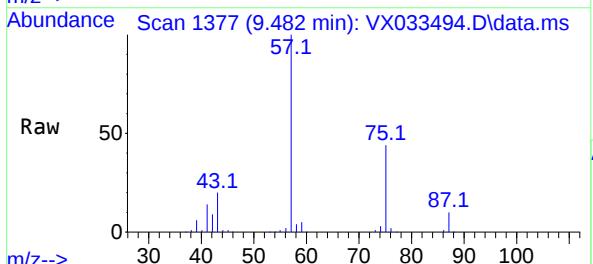
Instrument :
MSVOA_X
ClientSampleId :

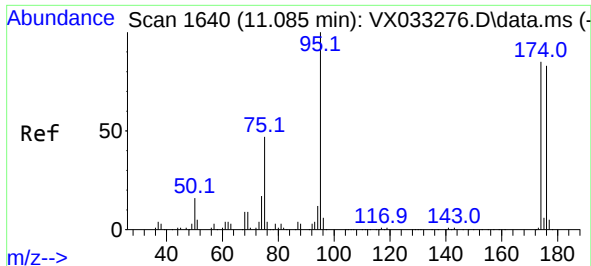
Tgt Ion: 76 Resp: 2198
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 26.393 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 43 Resp: 30935
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#

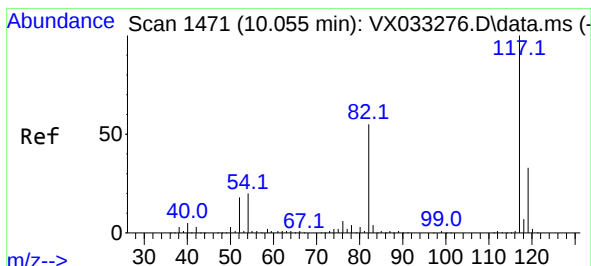
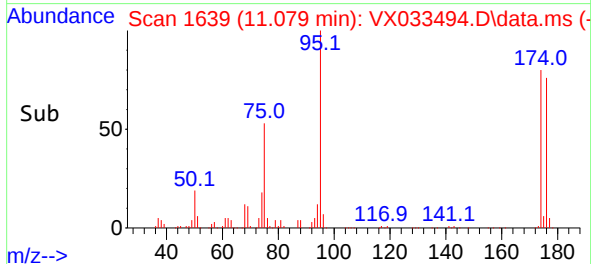
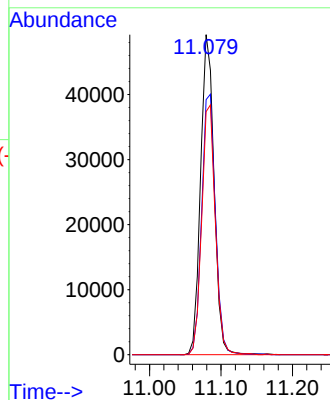
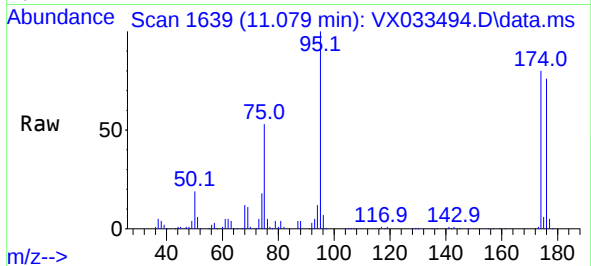




#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

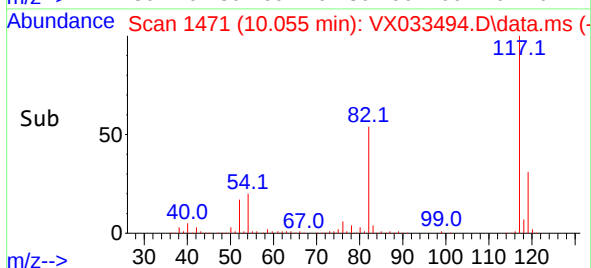
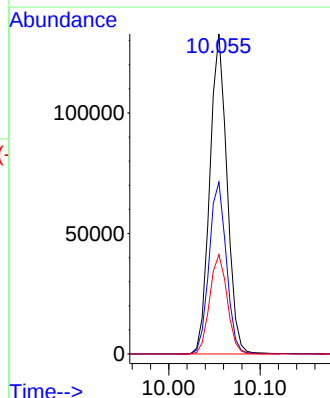
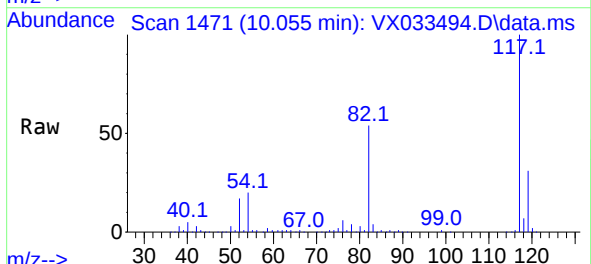
Instrument :
MSVOA_X
ClientSampleId :

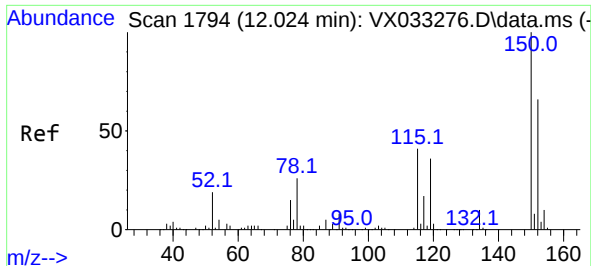
Tgt Ion: 95 Resp: 64322
Ion Ratio Lower Upper
95 100
174 83.2 0.0 164.0
176 79.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

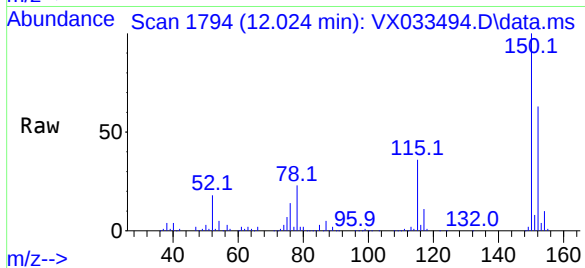
Tgt Ion: 117 Resp: 173391
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.1 25.7 38.5



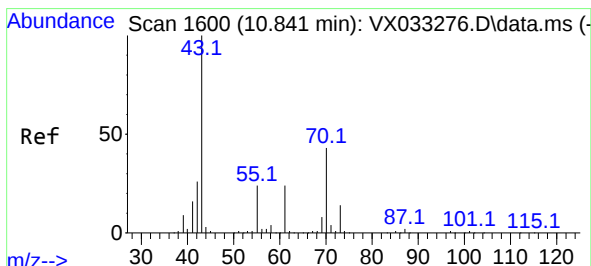
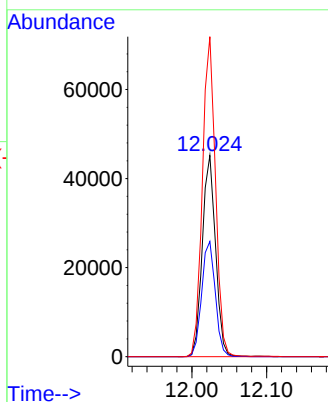
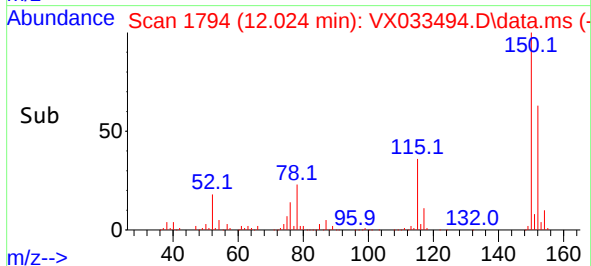


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

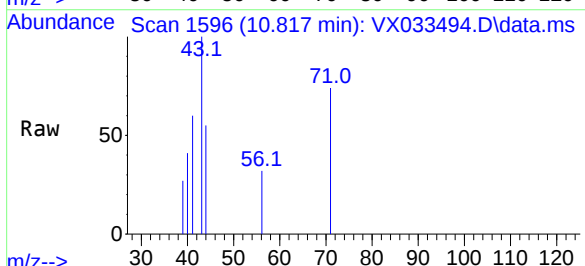
Instrument :
MSVOA_X
ClientSampleId :



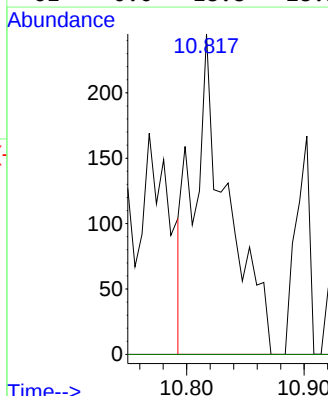
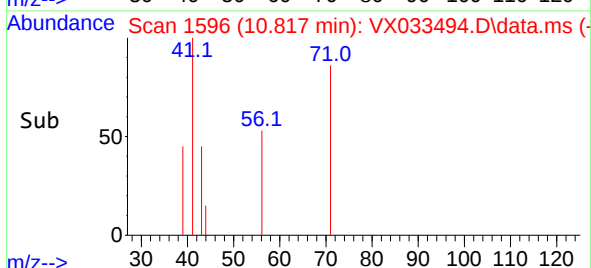
Tgt Ion:152 Resp: 55796
Ion Ratio Lower Upper
152 100
115 58.8 44.0 132.0
150 157.0 0.0 351.8

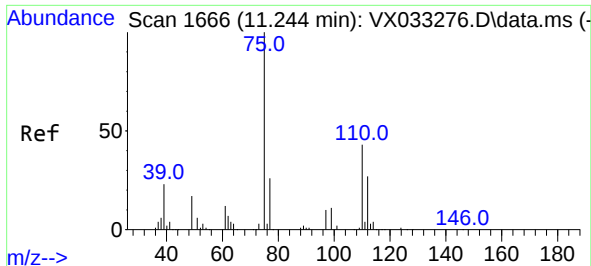


#74
N-ethyl acetate
Concen: 0.357 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22



Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 0.0 19.4 29.2#
61 0.0 18.8 28.2#

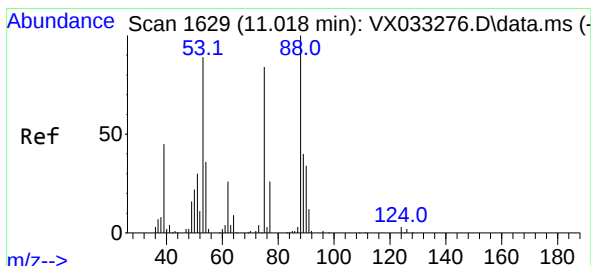
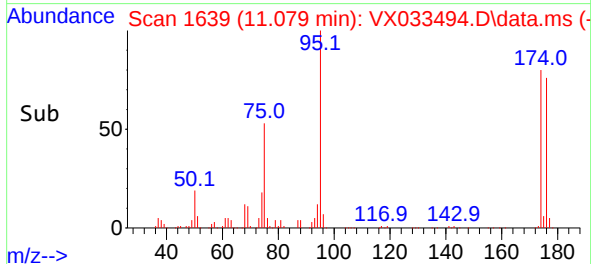
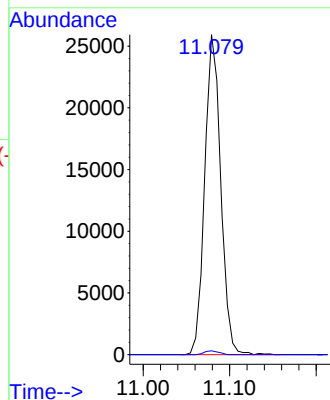
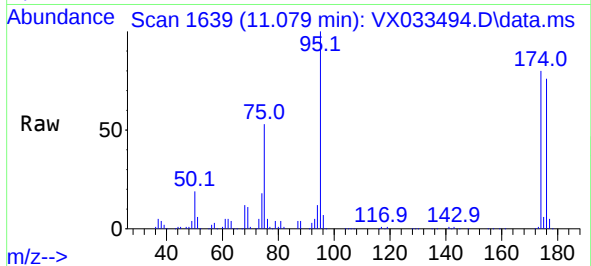




#76
1,2,3-Trichloropropane
Concen: 29.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33312
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.284 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033494.D
Acq: 19 Dec 2022 19:22

Tgt Ion: 75 Resp: 33312
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

