

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033419.D
 Acq On : 14 Dec 2022 15:07
 Operator : JC/MD
 Sample : PB149591TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591TB

Quant Time: Dec 14 22:50:10 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)

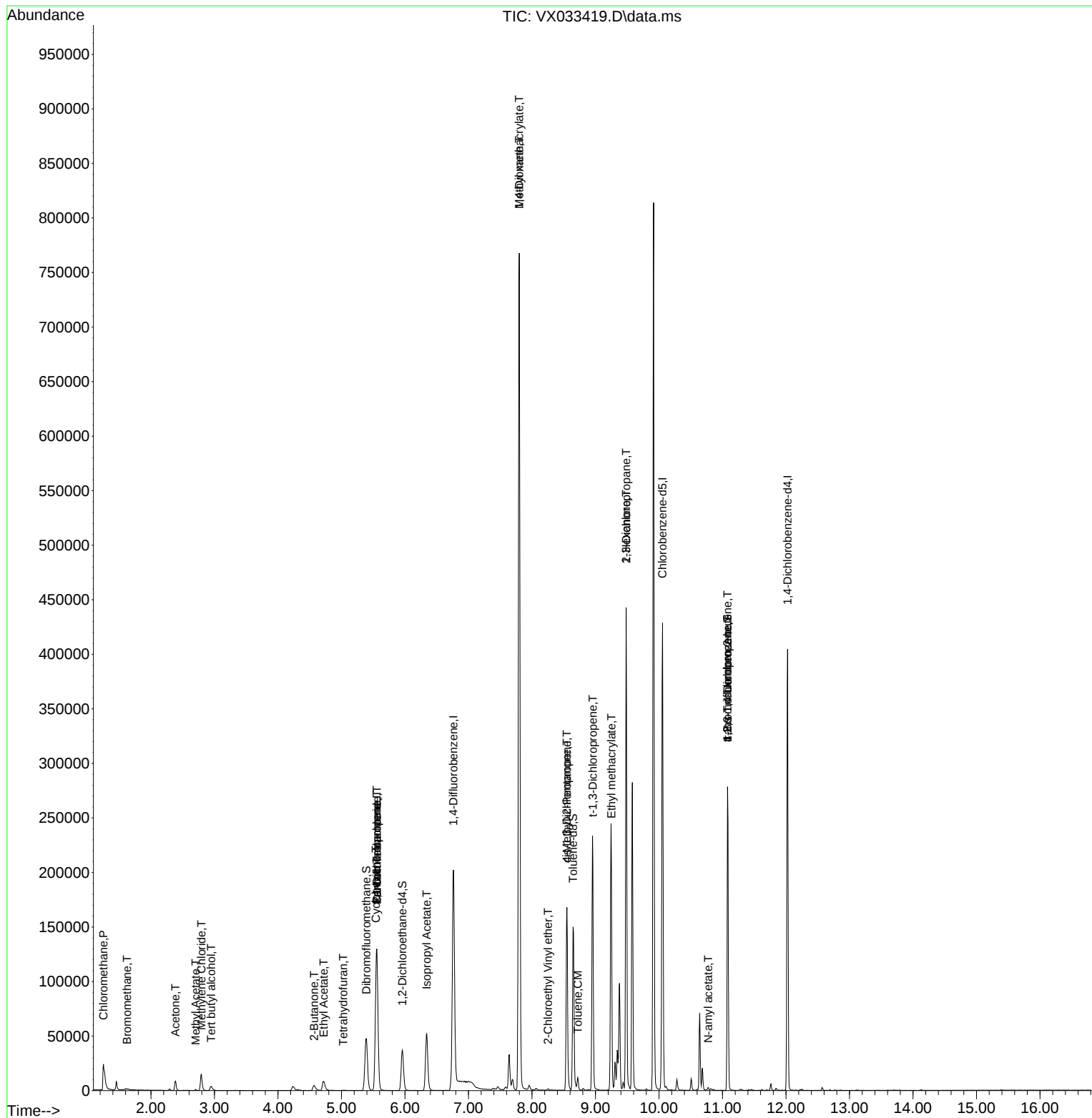
Internal Standards						
1) Pentafluorobenzene	5.556	168	125112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38328	47.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.500%		
35) Dibromofluoromethane	5.391	113	42802	46.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.647	98	93408	47.999	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.000%		
62) 4-Bromofluorobenzene	11.079	95	71949	48.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.700%		
Target Compounds					Qvalue	
3) Chloromethane	1.252	50	993	0.983	ug/l #	43
5) Bromomethane	1.624	94	181	0.214	ug/l #	63
11) Tert butyl alcohol	2.947	59	3637	14.821	ug/l #	74
16) Acetone	2.386	43	10183	17.145	ug/l	93
18) Methyl Acetate	2.703	43	904	0.526	ug/l	97
20) Methylene Chloride	2.794	84	7390	5.579	ug/l	89
25) 2-Butanone	4.568	43	8154	9.564	ug/l #	89
29) Tetrahydrofuran	5.026	42	194	0.351	ug/l #	31
31) Cyclohexane	5.544	56	2517	1.320	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	9507	5.242	ug/l #	50
37) Ethyl Acetate	4.721	43	16176	9.435	ug/l	96
38) Carbon Tetrachloride	5.556	117	12767	6.283	ug/l #	16
43) Isopropyl Acetate	6.342	43	69657	25.252	ug/l	98
48) Methyl methacrylate	7.800	41	67727	47.572	ug/l #	42
49) 1,4-Dioxane	7.800	88	62	1.910	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59346	34.020	ug/l #	49
52) Toluene	8.720	92	4241	1.240	ug/l	94
53) t-1,3-Dichloropropene	8.958	75	602	2.771	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27818	13.017	ug/l #	59
56) Ethyl methacrylate	9.250	69	486	0.240	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3840	1.663	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.251	63	604	0.652	ug/l	97
59) 2-Hexanone	9.482	43	49341	38.381	ug/l #	54
74) N-amyl acetate	10.775	43	1459	0.686	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	37157	21.233	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37157	66.049	ug/l #	6

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

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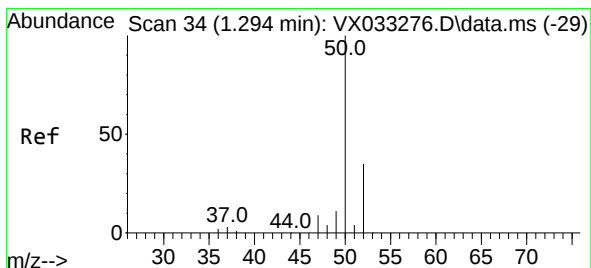
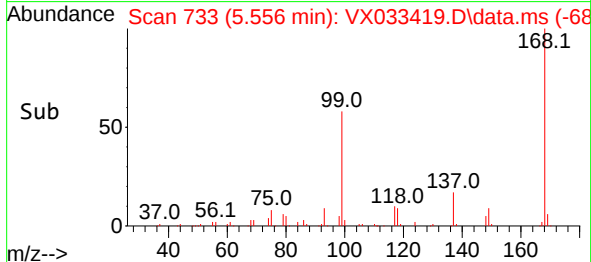
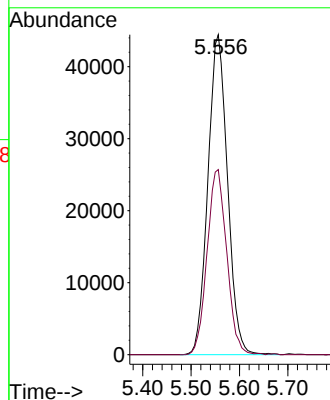
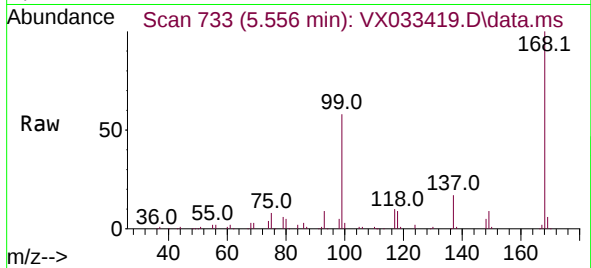




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

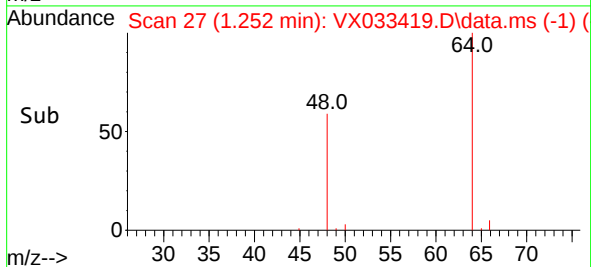
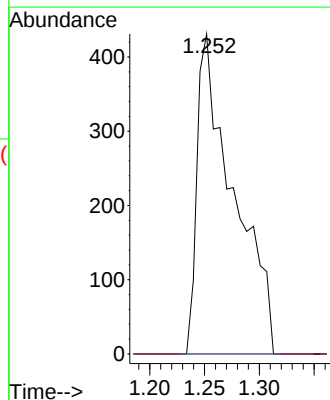
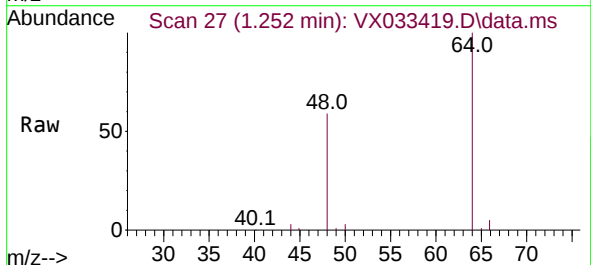
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

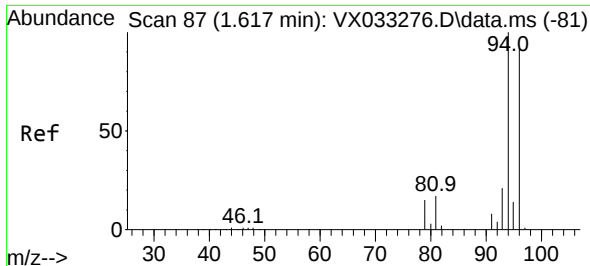
Tgt Ion:168 Resp: 125112
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#3
Chloromethane
Concen: 0.983 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

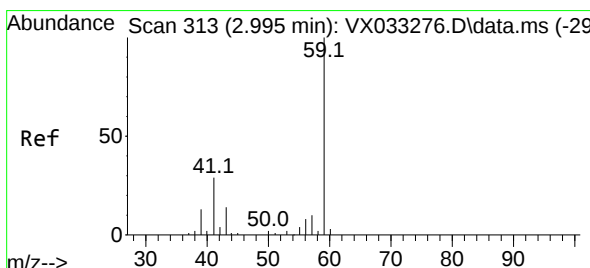
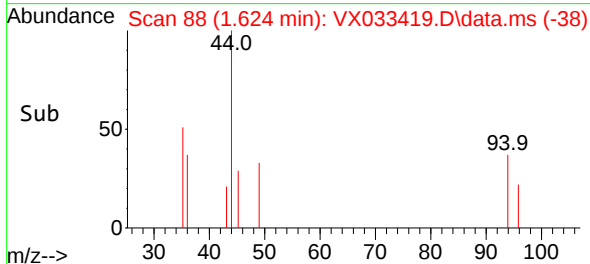
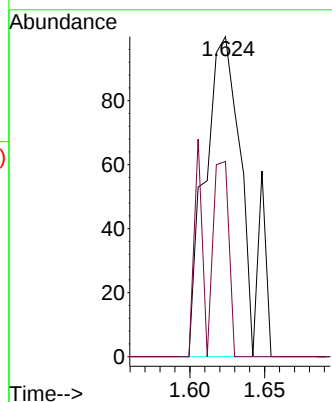
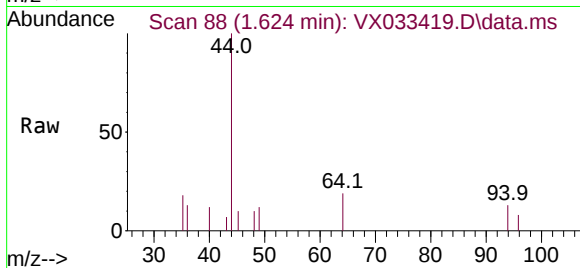




#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

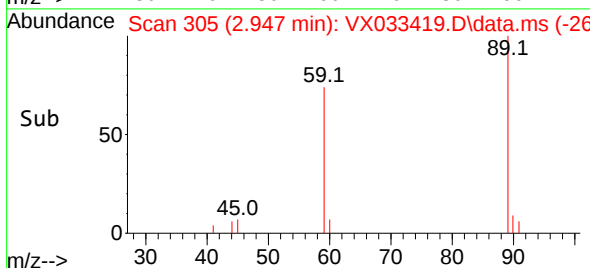
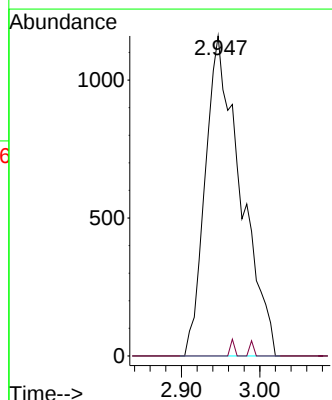
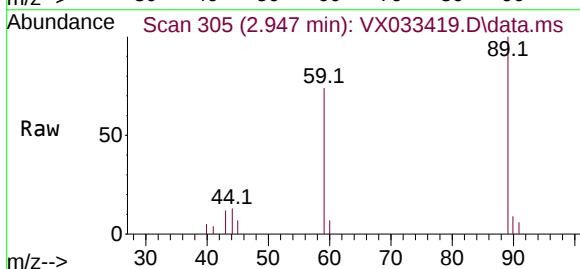
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

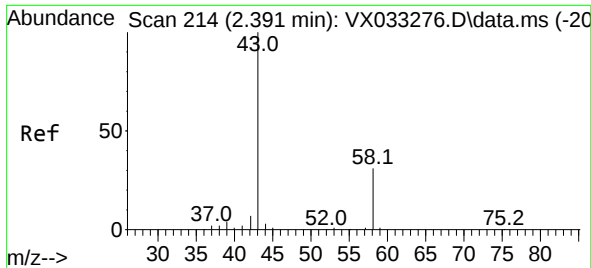
Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 61.0 77.6 116.4#



#11
Tert butyl alcohol
Concen: 14.821 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 59 Resp: 3637
Ion Ratio Lower Upper
59 100
57 0.6 8.2 12.4#

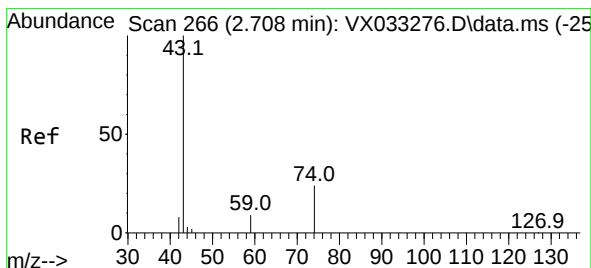
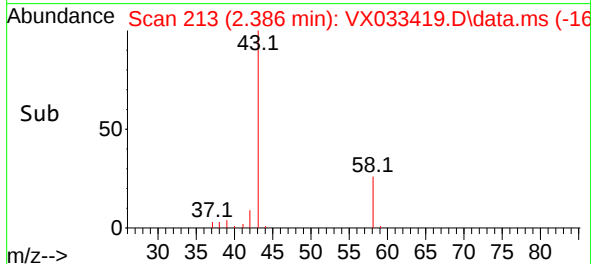
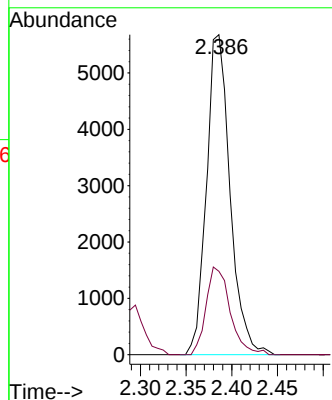
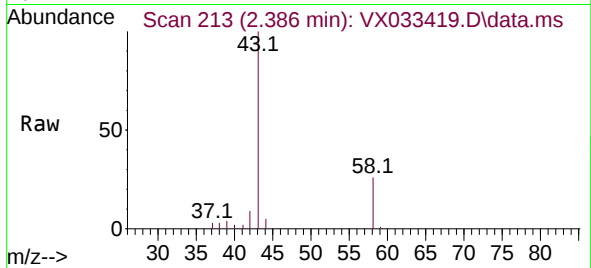




#16
Acetone
Concen: 17.145 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

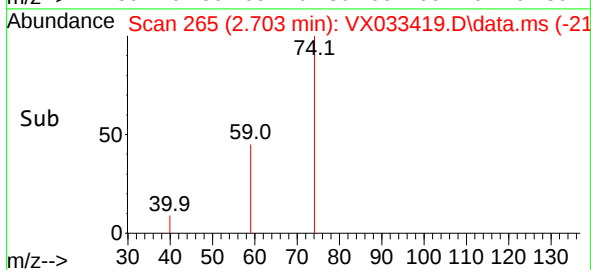
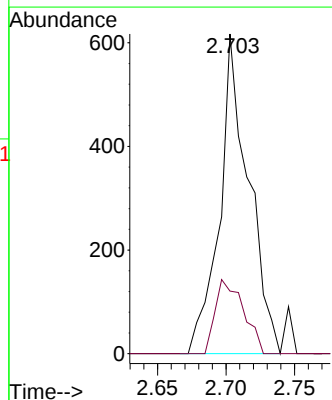
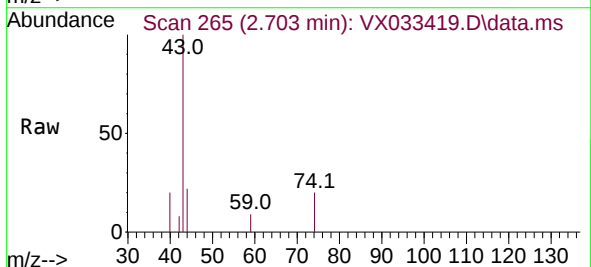
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

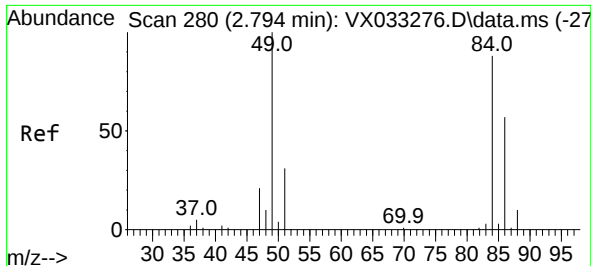
Tgt Ion: 43 Resp: 10183
Ion Ratio Lower Upper
43 100
58 26.0 23.8 35.8



#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.0

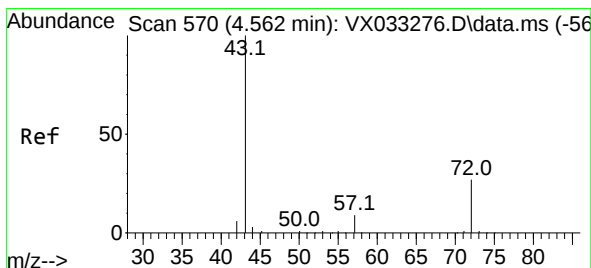
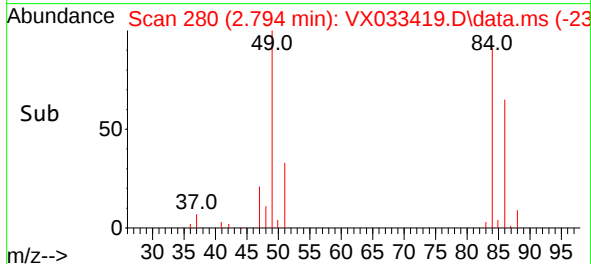
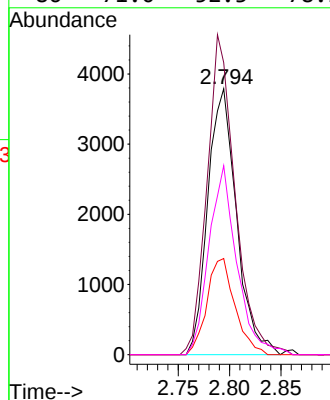
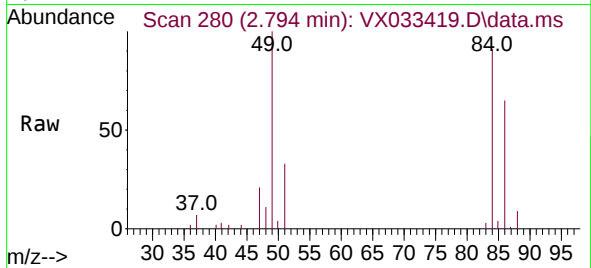




#20
Methylene Chloride
Concen: 5.579 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

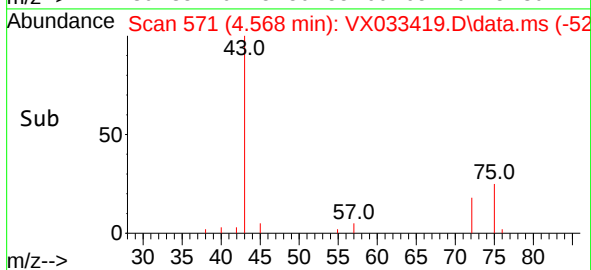
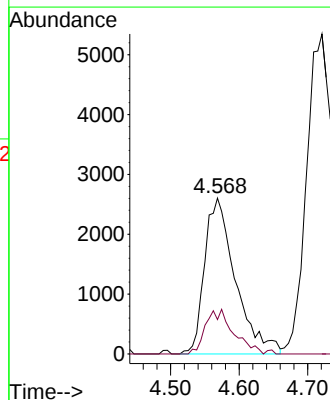
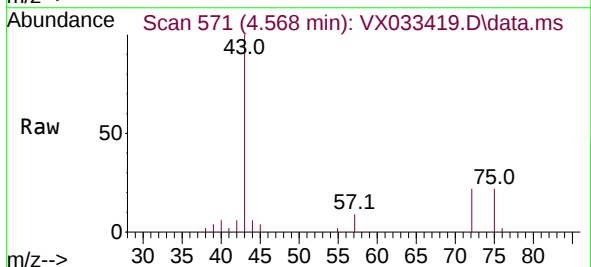
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

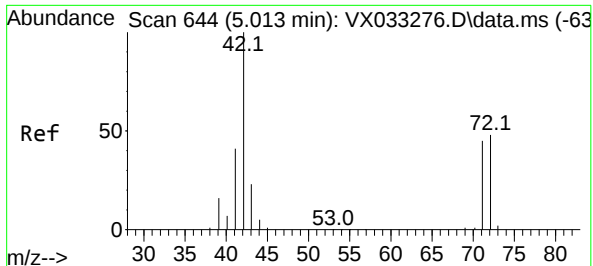
Tgt Ion: 84	Resp: 7390		
Ion	Ratio	Lower	Upper
84	100		
49	109.8	101.0	151.6
51	36.2	31.1	46.7
86	71.0	52.3	78.5



#25
2-Butanone
Concen: 9.564 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.007 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 43	Resp: 8154		
Ion Ratio	Lower	Upper	
43 100			
72 22.1	22.2	33.2#	





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 5.026 min Scan# 644

Delta R.T. 0.013 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB149591TB

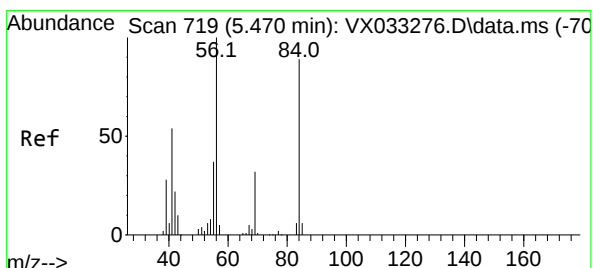
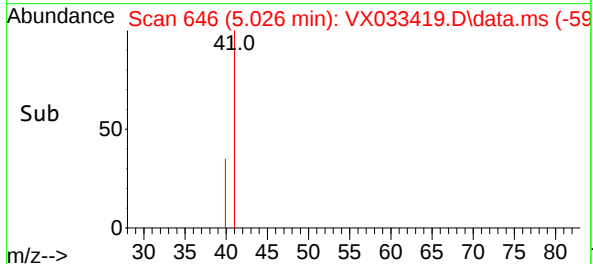
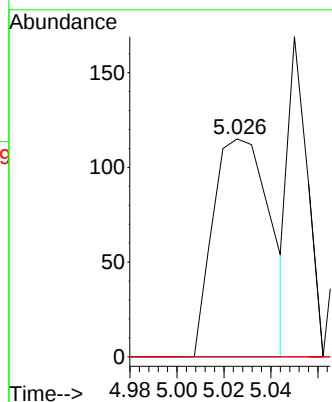
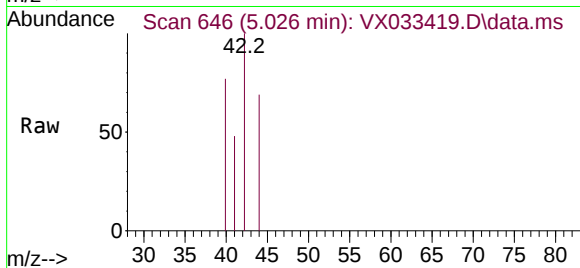
Tgt Ion: 42 Resp: 194

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

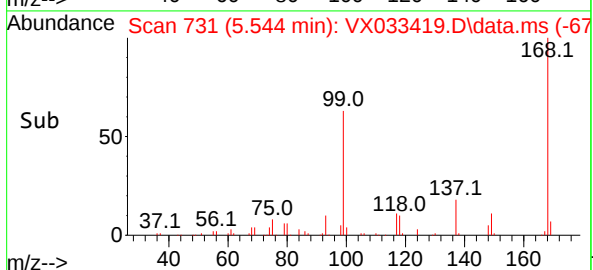
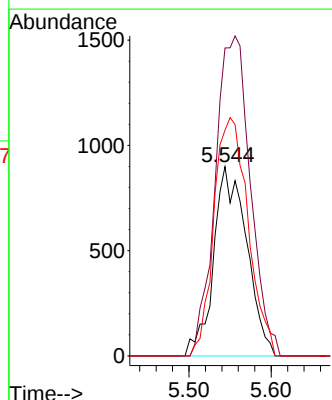
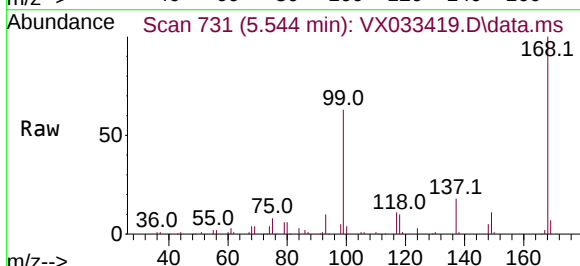
Tgt Ion: 56 Resp: 2517

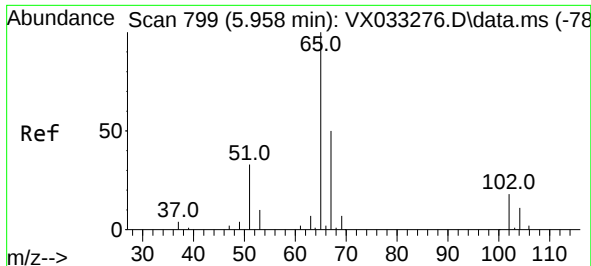
Ion Ratio Lower Upper

56 100

69 162.7 24.1 36.1#

84 119.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.753 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

Instrument :

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ClientSampleId :

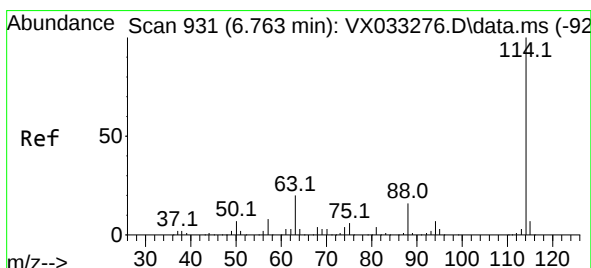
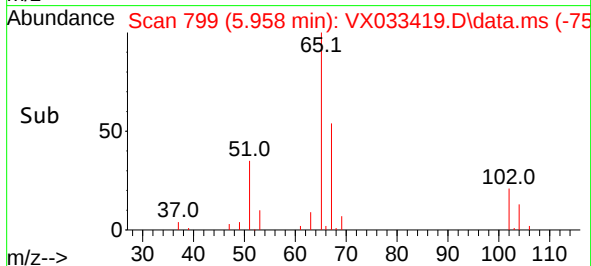
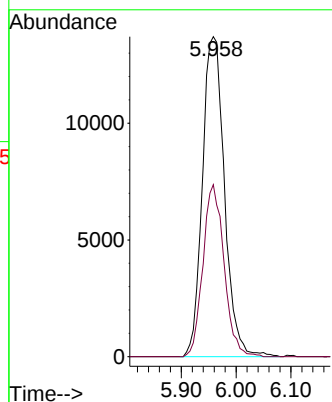
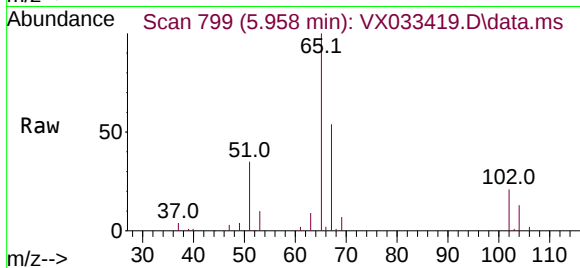
PB149591TB

Tgt Ion: 65 Resp: 38328

Ion Ratio Lower Upper

65 100

67 51.3 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: VX033419.D

Acq: 14 Dec 2022 15:07

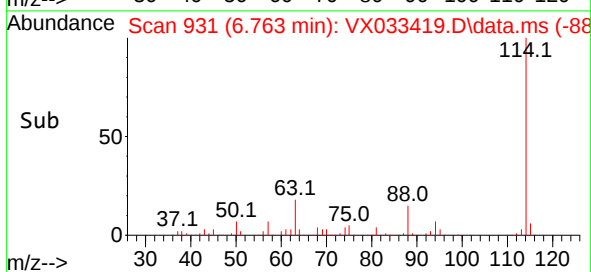
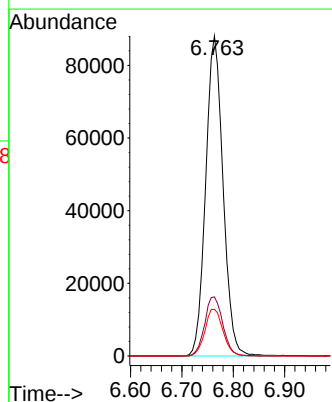
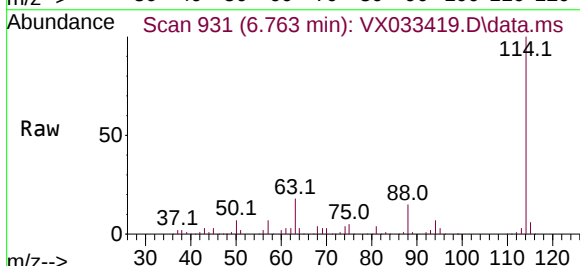
Tgt Ion: 114 Resp: 206822

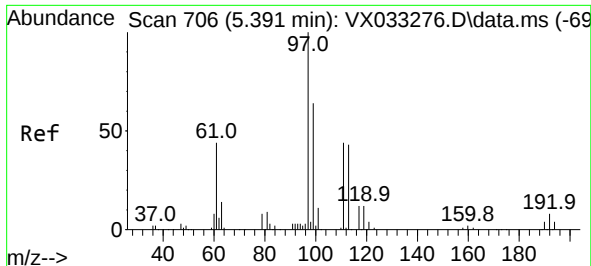
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 14.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.012 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX033419.D

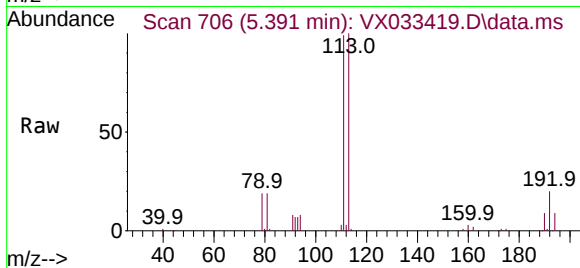
Acq: 14 Dec 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB149591TB



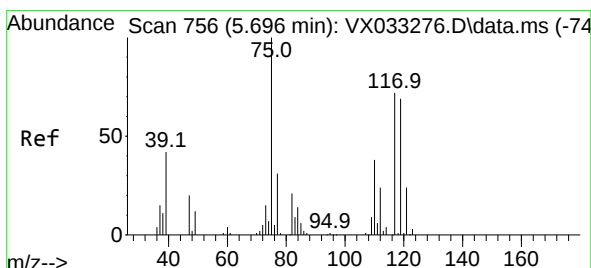
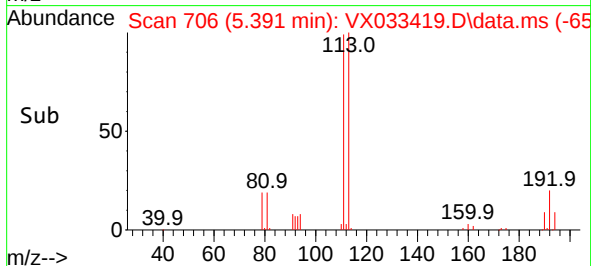
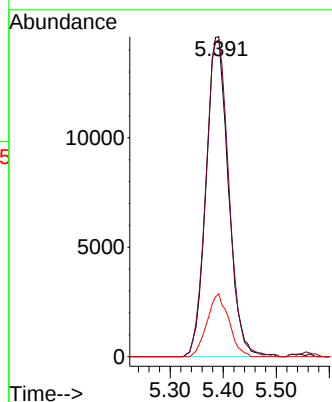
Tgt Ion:113 Resp: 42802

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.242 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

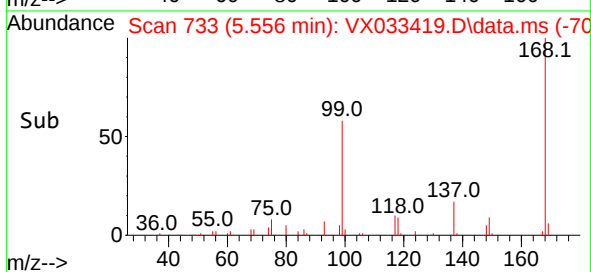
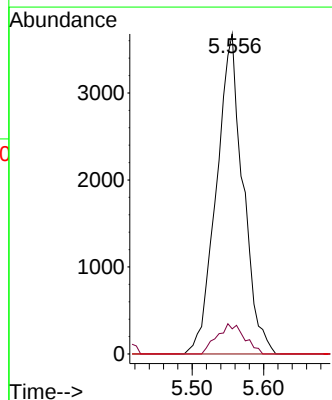
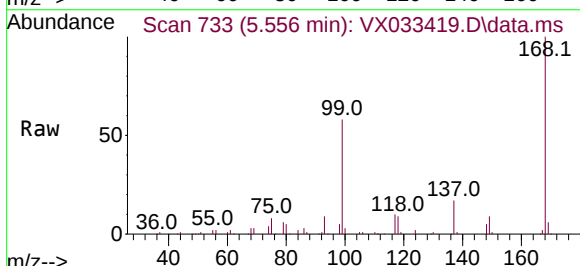
Tgt Ion: 75 Resp: 9507

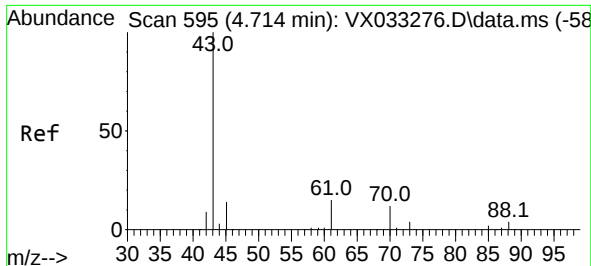
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 9.435 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

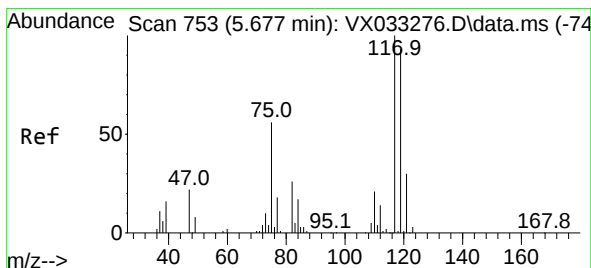
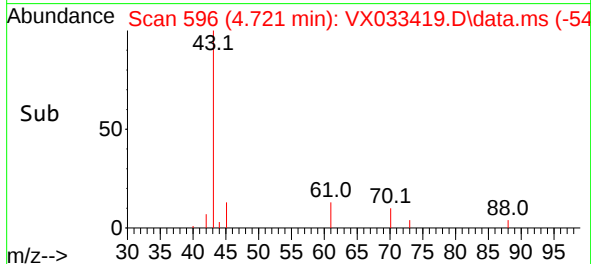
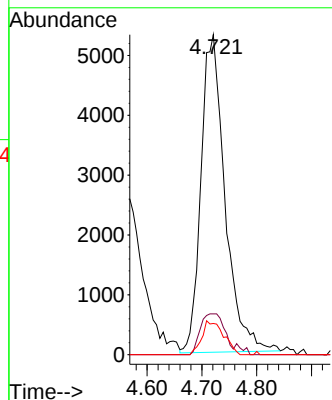
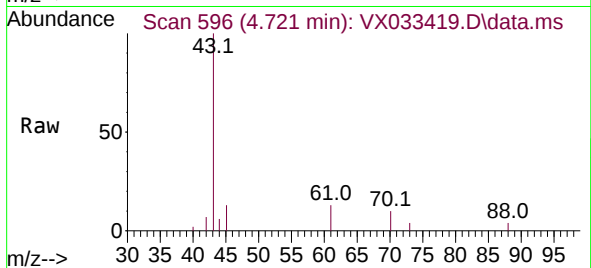
Instrument :

MSVOA_X

ClientSampleId :

PB149591TB

Tgt Ion: 43	Resp: 16176
Ion Ratio	Lower Upper
43 100	
61 12.9	11.5 17.3
70 9.6	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.283 ug/l

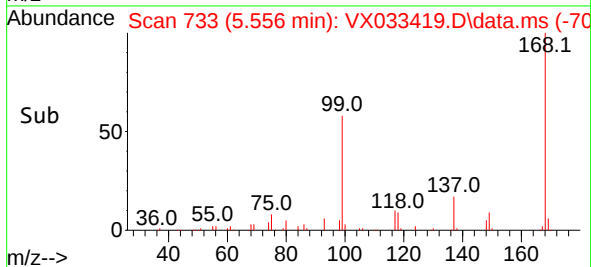
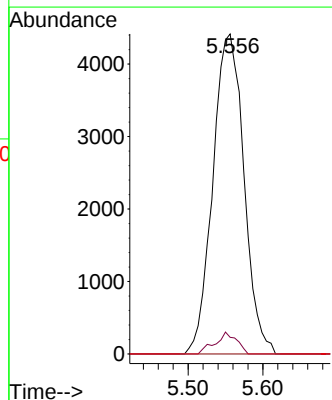
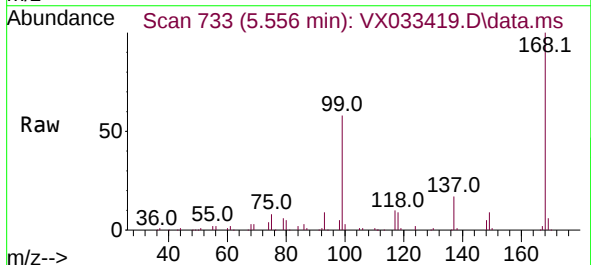
RT: 5.556 min Scan# 733

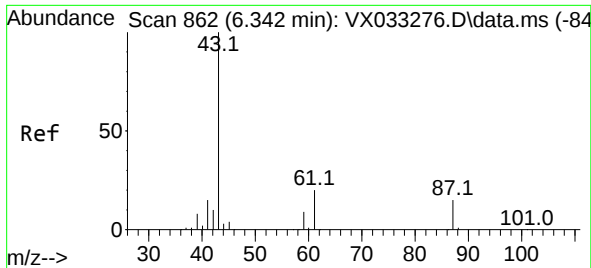
Delta R.T. -0.121 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

Tgt Ion: 117	Resp: 12767
Ion Ratio	Lower Upper
117 100	
119 5.2	77.2 115.8#
121 0.0	25.8 38.6#

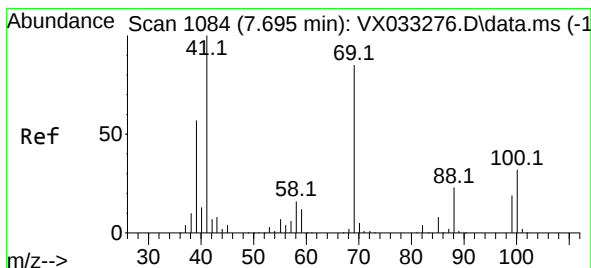
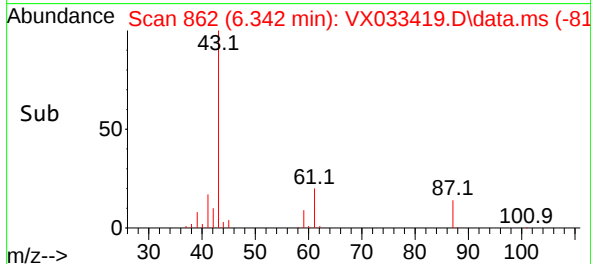
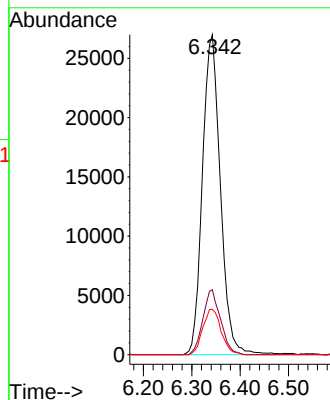
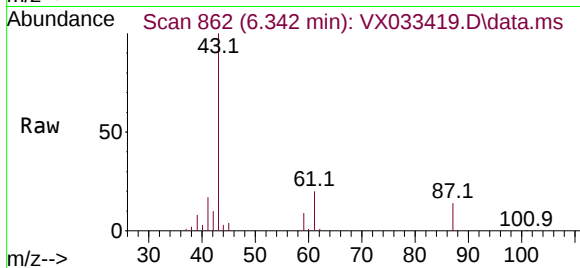




#43
Isopropyl Acetate
Concen: 25.252 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

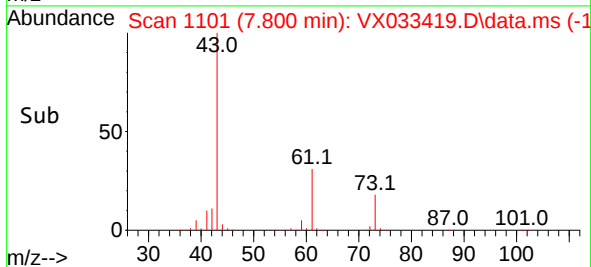
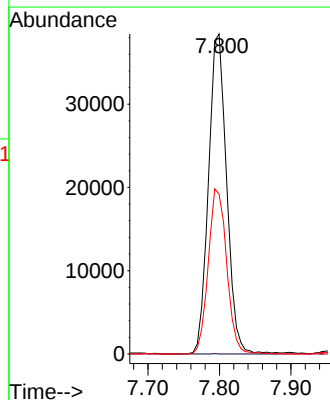
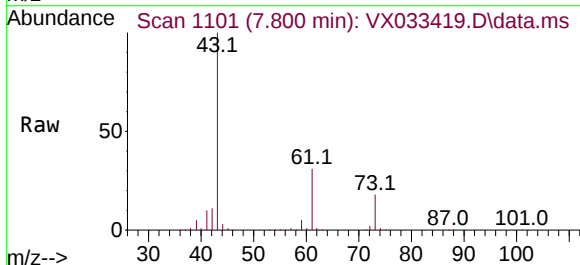
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

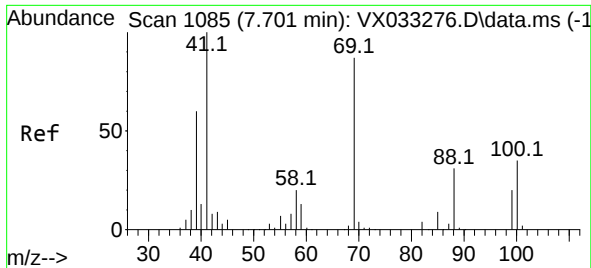
Tgt Ion: 43 Resp: 69657
Ion Ratio Lower Upper
43 100
61 19.9 15.4 23.0
87 14.5 10.8 16.2



#48
Methyl methacrylate
Concen: 47.572 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 41 Resp: 67727
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.5 51.9 77.9





#49

1,4-Dioxane

Concen: 1.910 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

PB149591TB

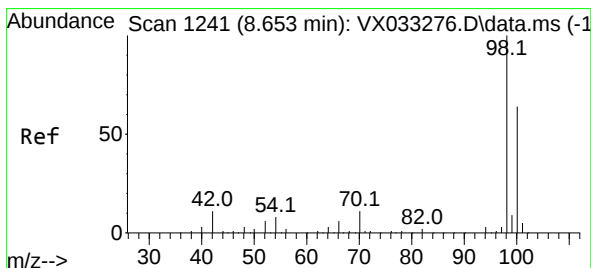
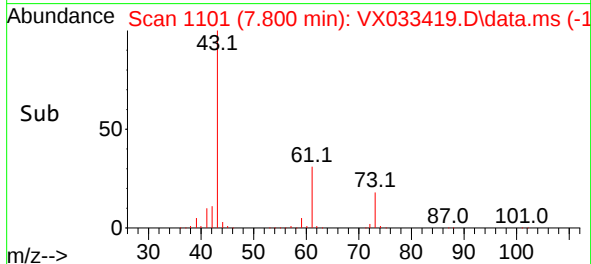
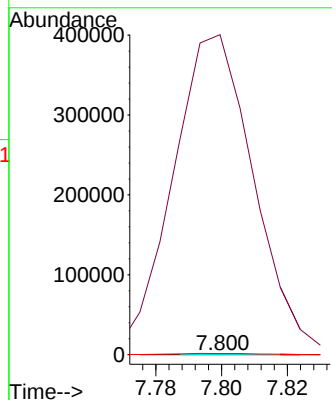
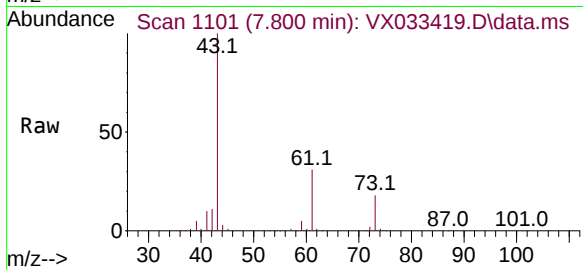
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 1122640.3 26.6 39.8#

58 4812.9 51.7 77.5#



#50

Toluene-d8

Concen: 47.999 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033419.D

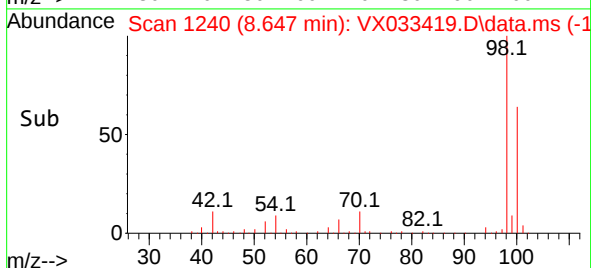
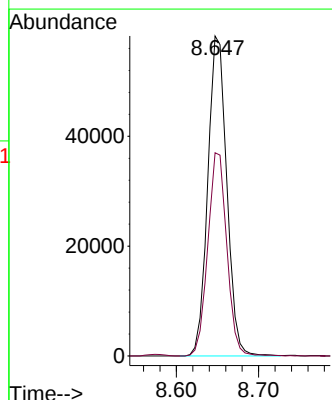
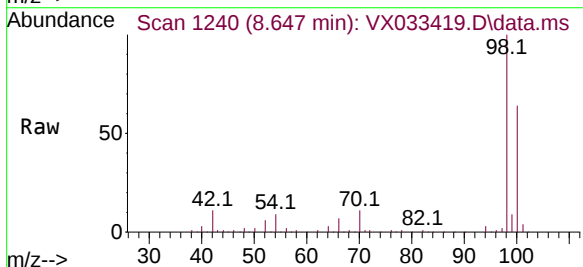
Acq: 14 Dec 2022 15:07

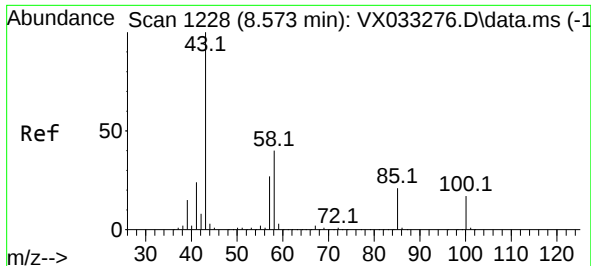
Tgt Ion: 98 Resp: 93408

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3

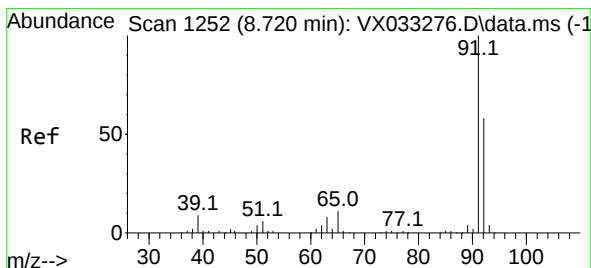
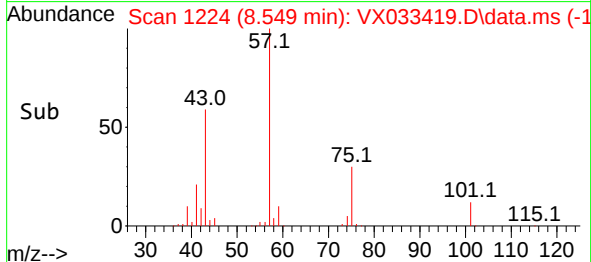
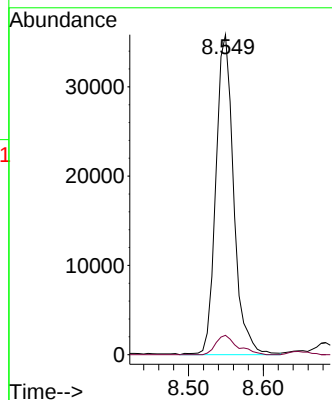
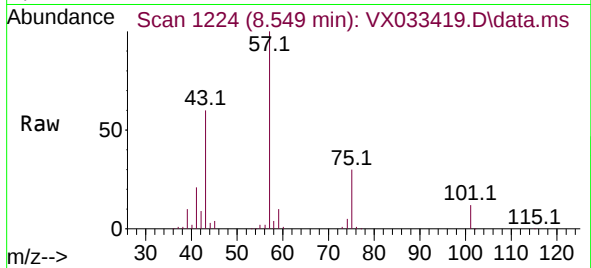




#51
4-Methyl-2-Pentanone
Concen: 34.020 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

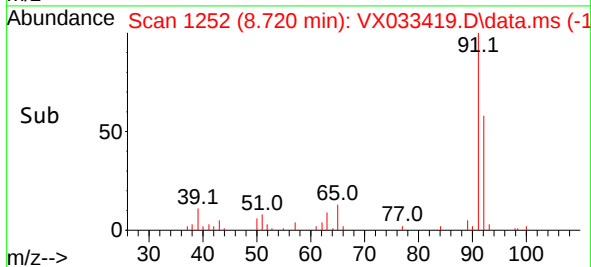
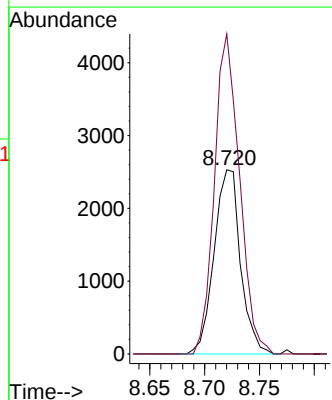
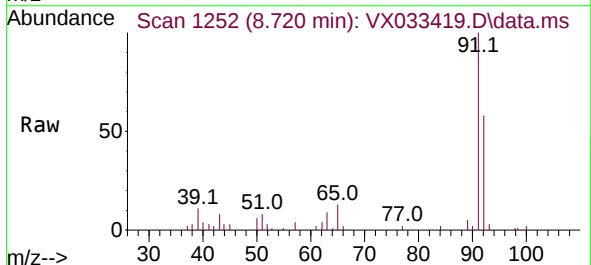
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

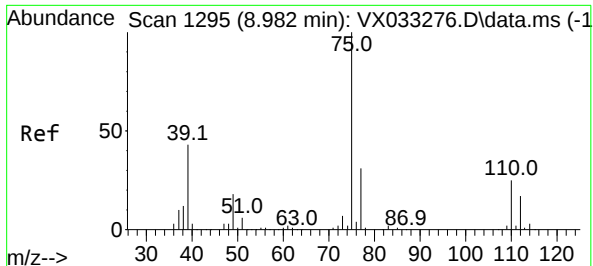
Tgt Ion: 43 Resp: 59346
Ion Ratio Lower Upper
43 100
58 7.3 30.9 46.3#



#52
Toluene
Concen: 1.240 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 92 Resp: 4241
Ion Ratio Lower Upper
92 100
91 165.0 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 2.771 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

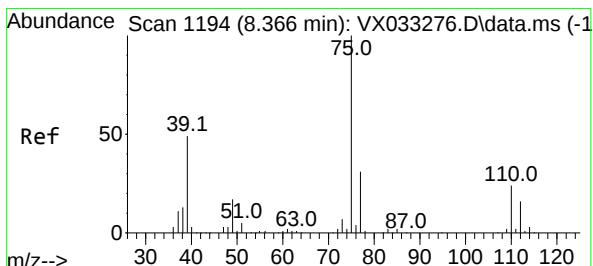
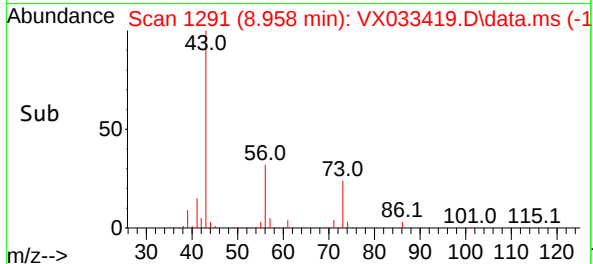
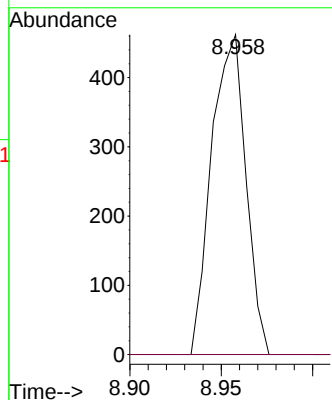
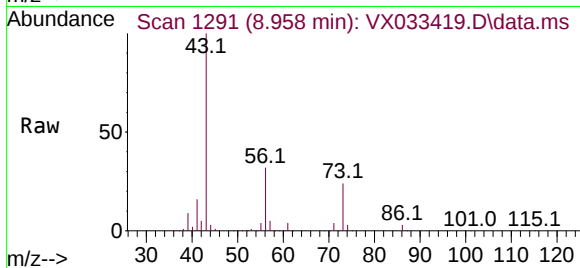
PB149591TB

Tgt Ion: 75 Resp: 602

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 13.017 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033419.D

Acq: 14 Dec 2022 15:07

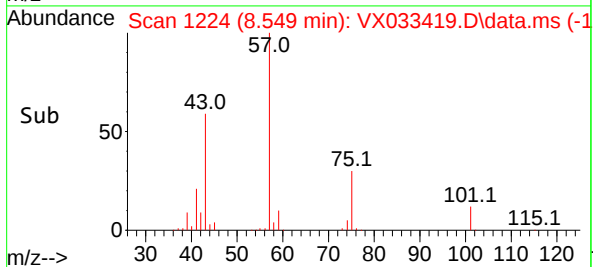
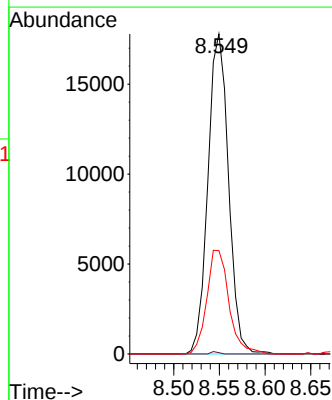
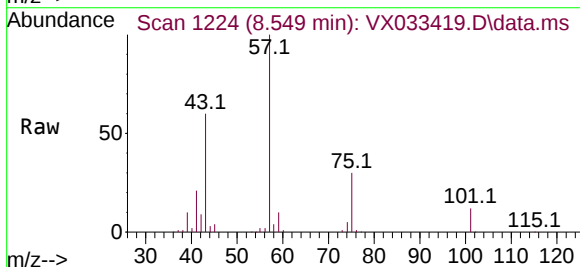
Tgt Ion: 75 Resp: 27818

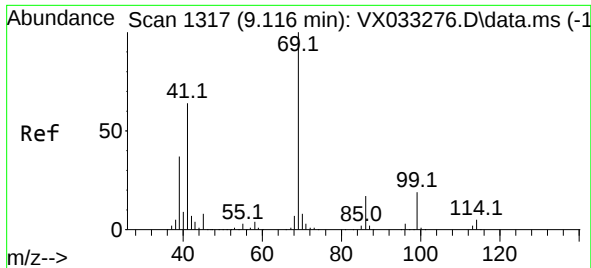
Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 32.3 45.5 68.3#

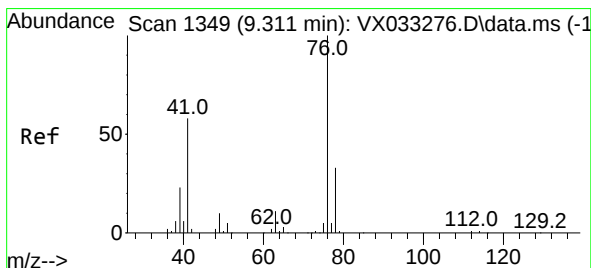
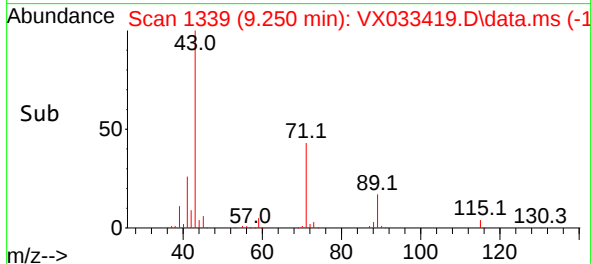
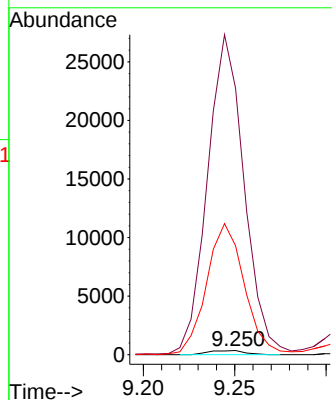
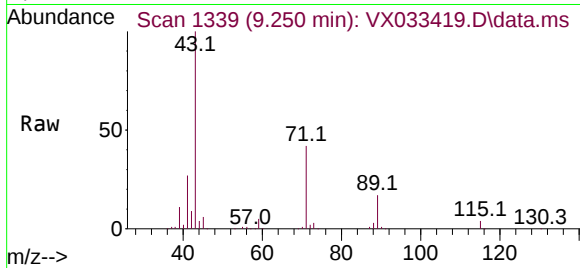




#56
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.135 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

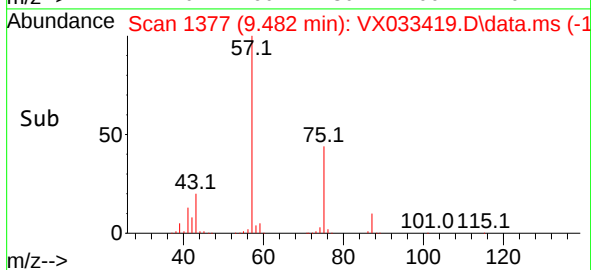
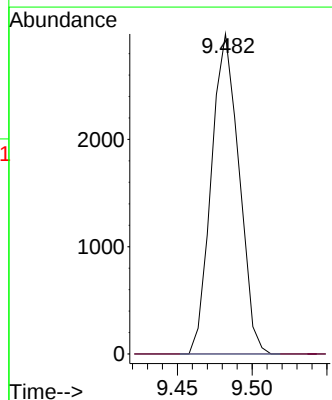
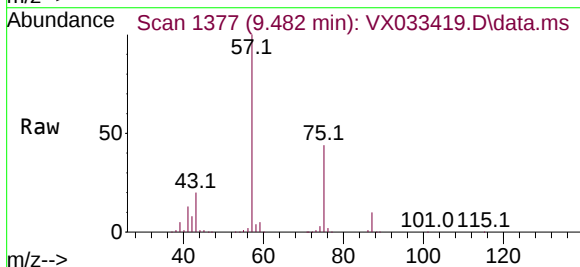
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

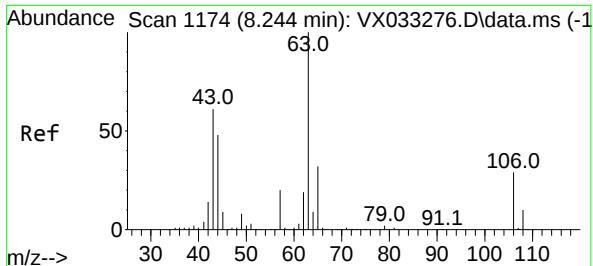
Tgt Ion: 69 Resp: 486
Ion Ratio Lower Upper
69 100
41 7874.9 54.3 81.5#
39 3325.1 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.663 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 76 Resp: 3840
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

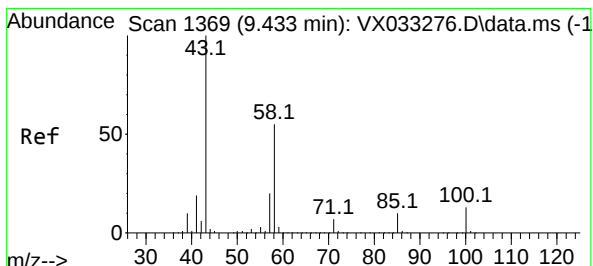
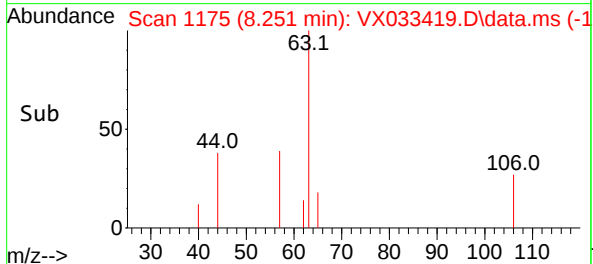
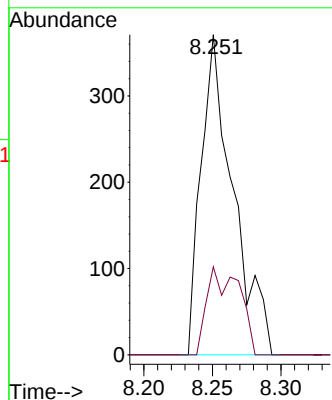
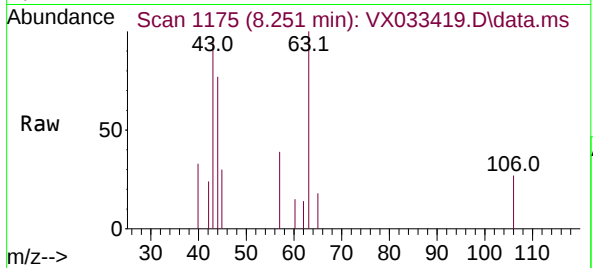




#58
2-Chloroethyl Vinyl ether
Concen: 0.652 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.007 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

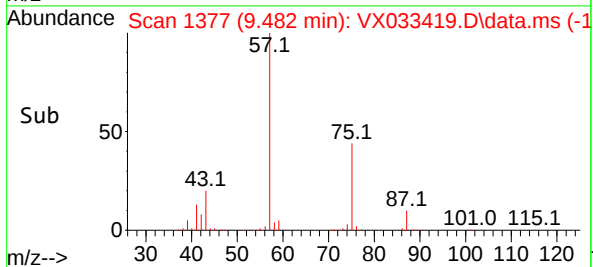
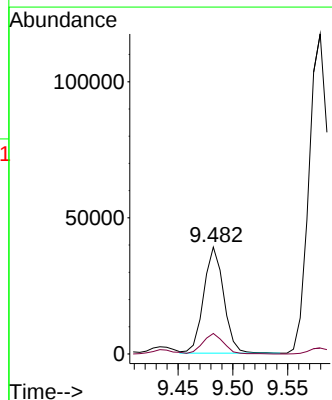
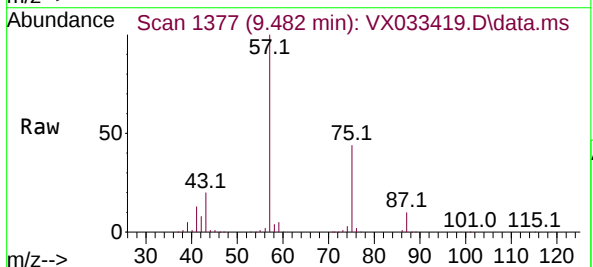
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

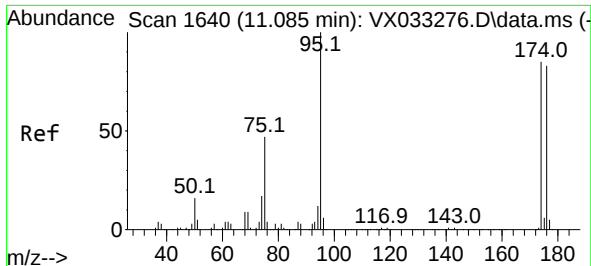
Tgt Ion: 63 Resp: 604
Ion Ratio Lower Upper
63 100
106 27.5 23.3 34.9



#59
2-Hexanone
Concen: 38.381 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 43 Resp: 49341
Ion Ratio Lower Upper
43 100
58 20.1 26.5 79.5#

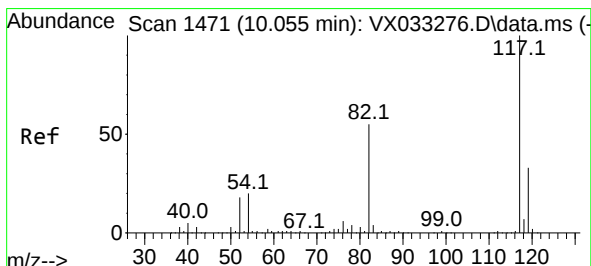
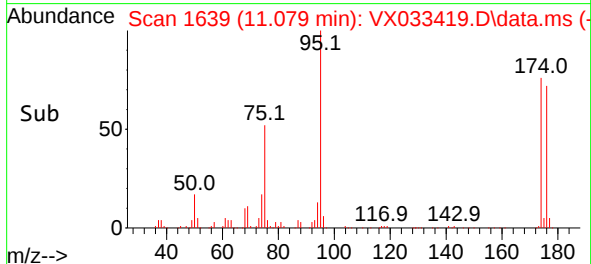
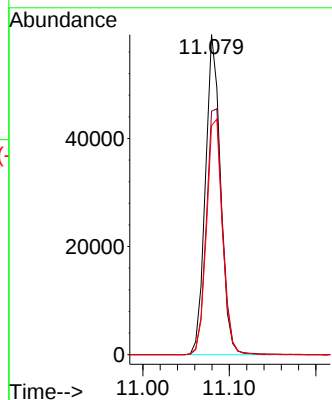
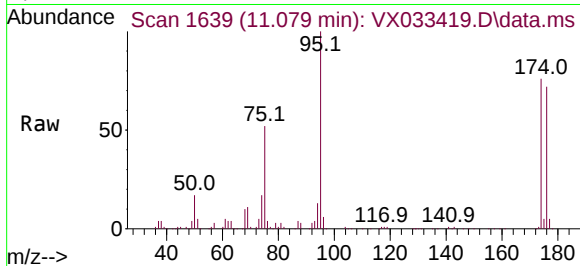




#62
4-Bromofluorobenzene
Concen: 48.354 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

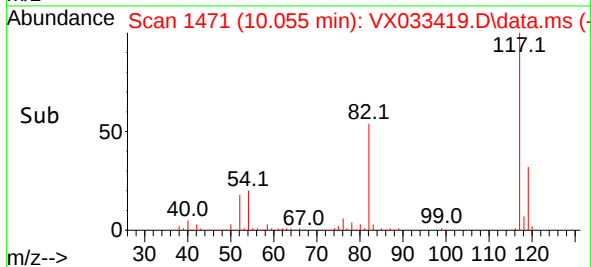
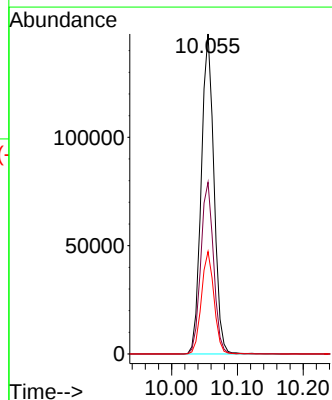
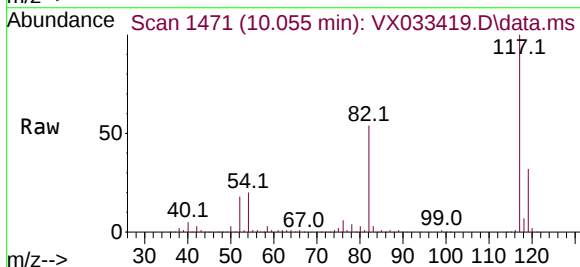
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

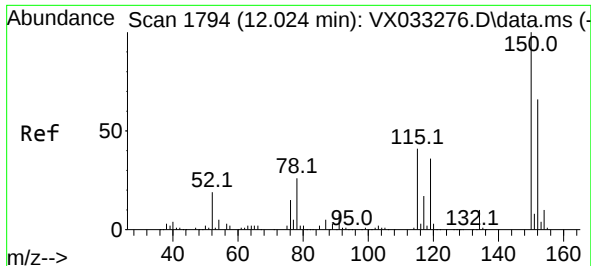
Tgt Ion: 95 Resp: 71949
Ion Ratio Lower Upper
95 100
174 82.3 0.0 164.0
176 77.6 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 117 Resp: 197892
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 32.0 25.7 38.5

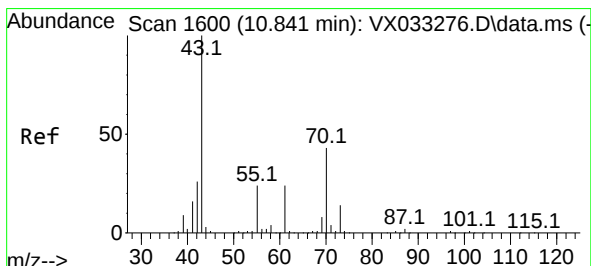
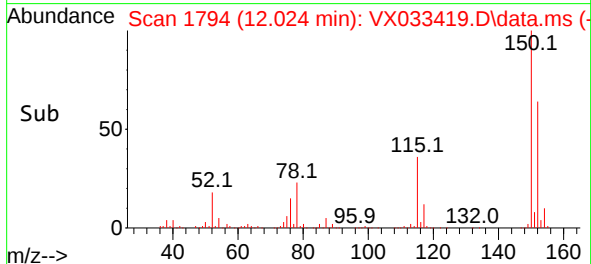
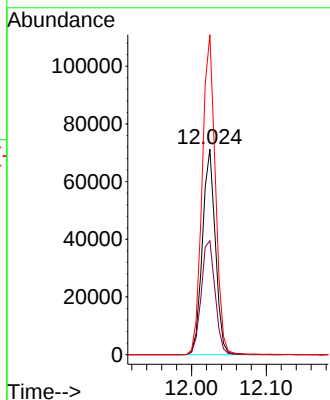
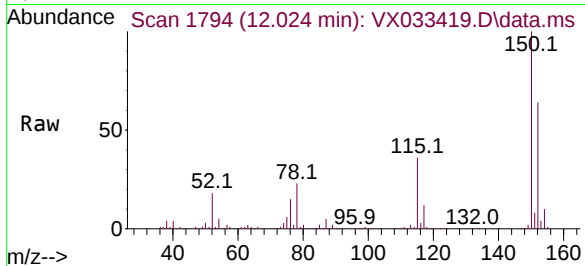




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

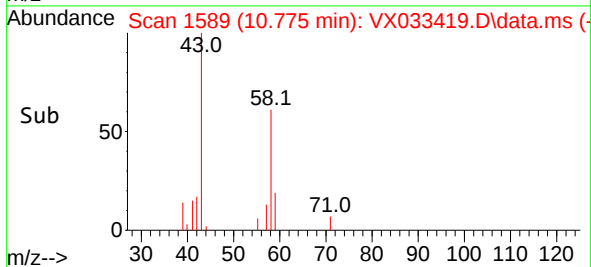
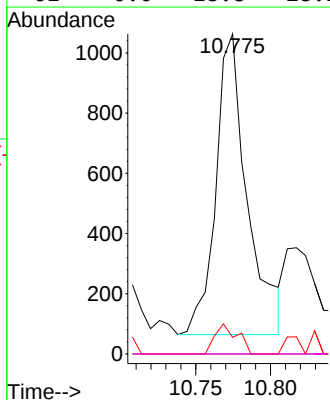
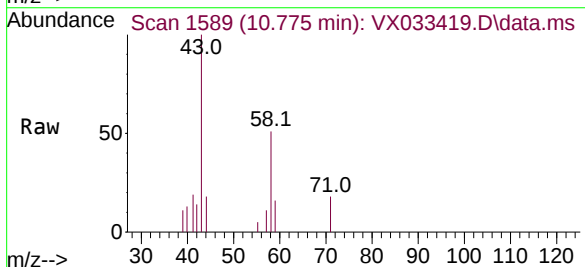
Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

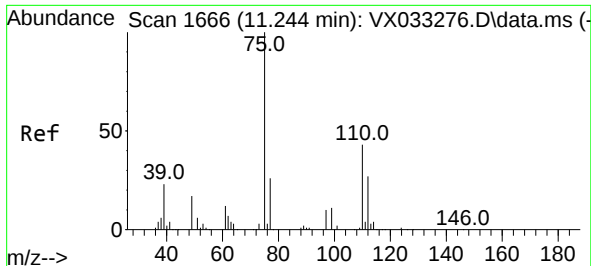
Tgt Ion:152 Resp: 86014
Ion Ratio Lower Upper
152 100
115 59.2 44.0 132.0
150 158.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.686 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 7.1 19.4 29.2#
61 0.0 18.8 28.2#

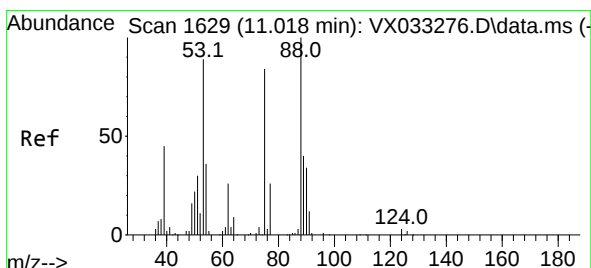
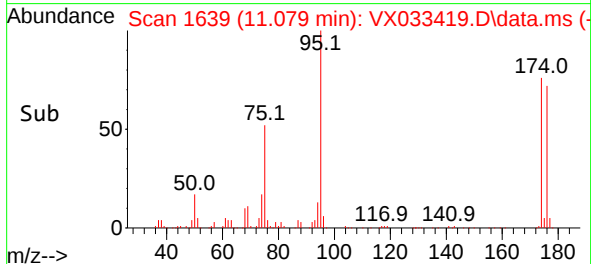
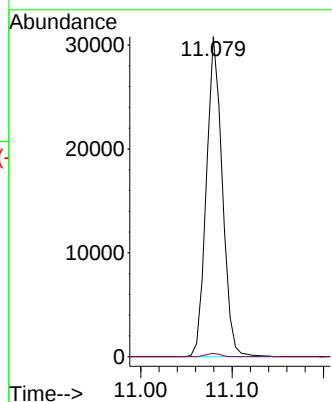
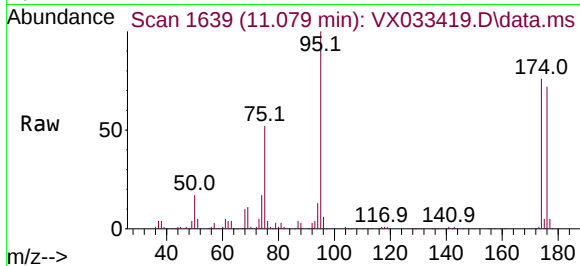




#76
1,2,3-Trichloropropane
Concen: 21.233 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Instrument :
MSVOA_X
ClientSampleId :
PB149591TB

Tgt Ion: 75 Resp: 37157
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.049 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033419.D
Acq: 14 Dec 2022 15:07

Tgt Ion: 75 Resp: 37157
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

