

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033234.D
 Acq On : 05 Dec 2022 18:32
 Operator : JC/MD
 Sample : PB149407ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149407ZHE#09

Quant Time: Dec 06 06:00:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

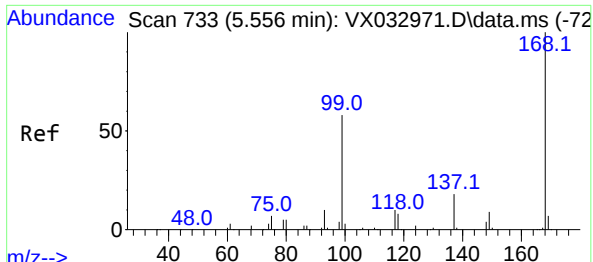
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	105405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	176350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56985	55.683	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.360%
35) Dibromofluoromethane	5.385	113	47497	47.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.647	98	156051	52.265	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.540%
62) 4-Bromofluorobenzene	11.079	95	60878	46.615	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2995	18.406	ug/l #	72
16) Acetone	2.386	43	10605	22.122	ug/l	96
18) Methyl Acetate	2.709	43	1139	0.858	ug/l	95
20) Methylene Chloride	2.794	84	3319	2.084	ug/l	96
25) 2-Butanone	4.580	43	979	1.481	ug/l	100
29) Tetrahydrofuran	5.032	42	209	0.498	ug/l #	31
31) Cyclohexane	5.544	56	2227	1.339	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	7930	4.988	ug/l #	50
37) Ethyl Acetate	4.715	43	15414	11.114	ug/l	99
38) Carbon Tetrachloride	5.556	117	10758	6.100	ug/l #	15
43) Isopropyl Acetate	6.336	43	73439	32.018	ug/l	100
48) Methyl methacrylate	7.799	41	71123	60.241	ug/l #	43
49) 1,4-Dioxane	7.793	88	51	2.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64327	45.450	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	547	1.814	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28610	15.980	ug/l #	60
56) Ethyl methacrylate	9.244	69	593	0.361	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3832	1.988	ug/l #	42
59) 2-Hexanone	9.482	43	54050	51.696	ug/l #	51
74) N-amyl acetate	10.817	43	711	0.392	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	31449	22.254	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31449	72.335	ug/l #	6

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

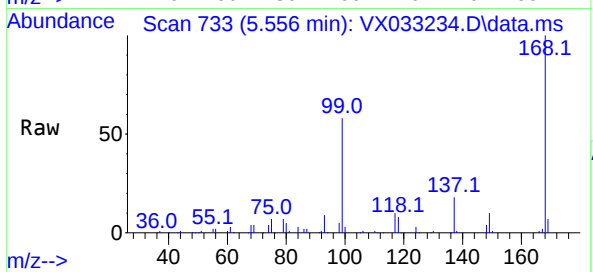
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration



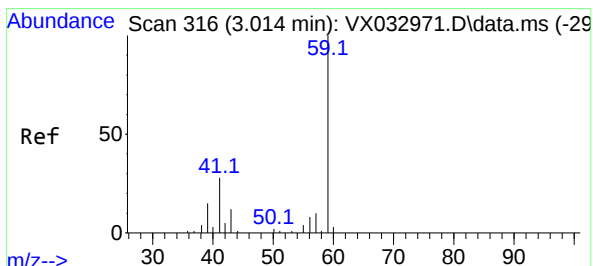
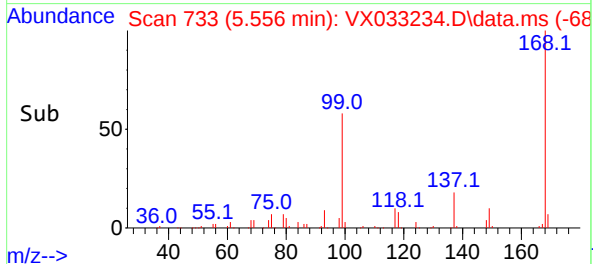
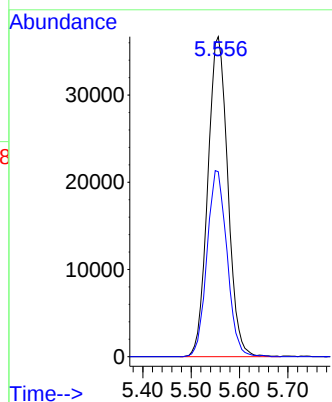


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

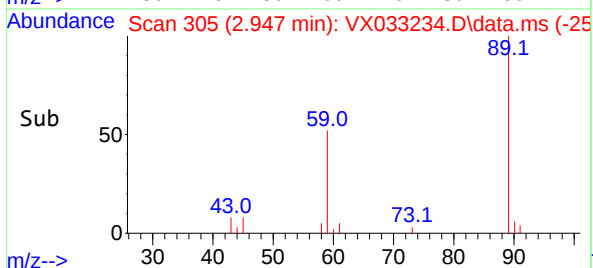
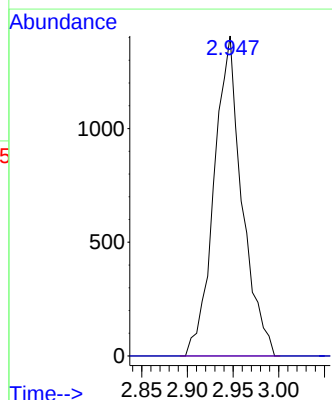
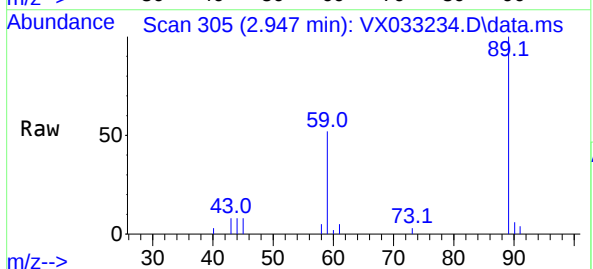


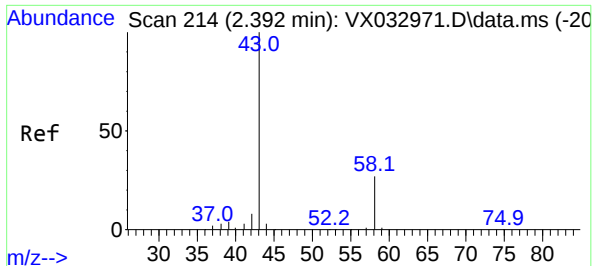
Tgt Ion:168 Resp: 105405
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#11
Tert butyl alcohol
Concen: 18.406 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 59 Resp: 2995
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

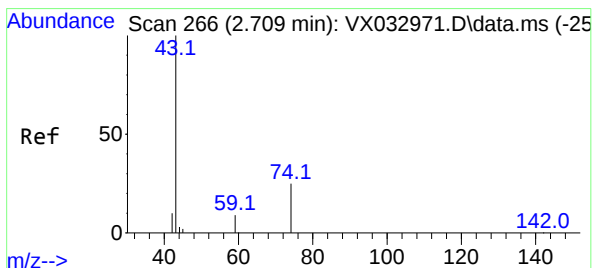
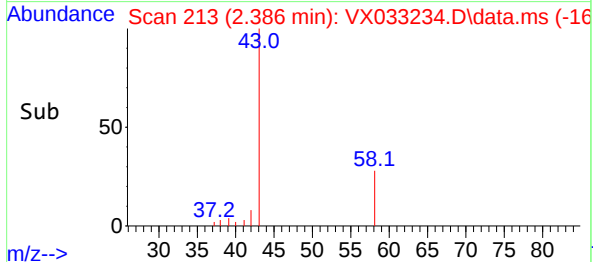
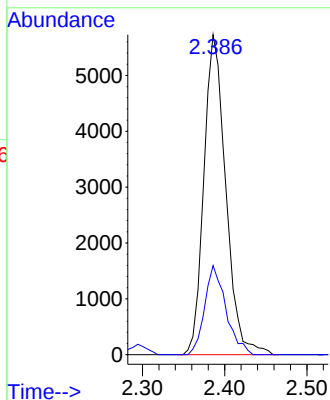
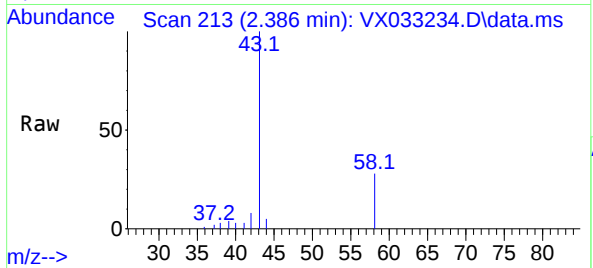




#16
Acetone
Concen: 22.122 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

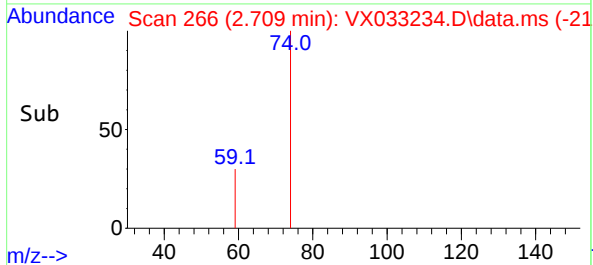
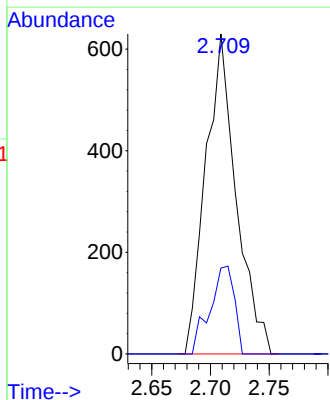
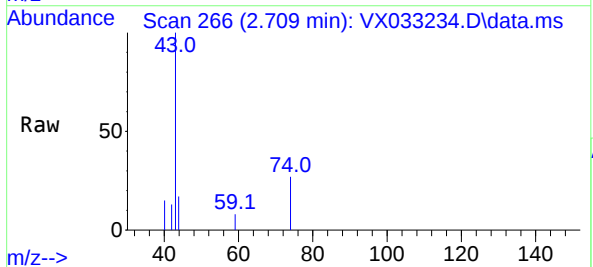
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

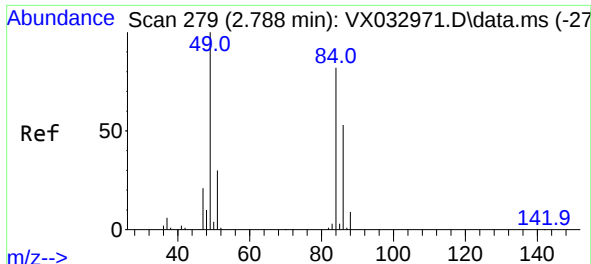
Tgt Ion: 43 Resp: 10605
Ion Ratio Lower Upper
43 100
58 27.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.858 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

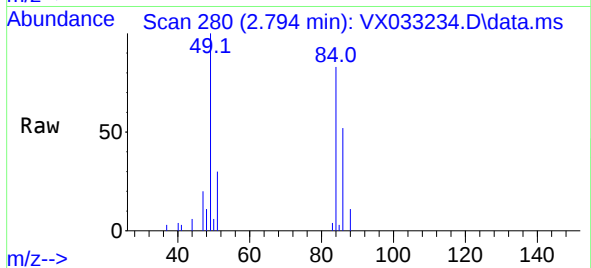
Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
74 21.9 19.4 29.0





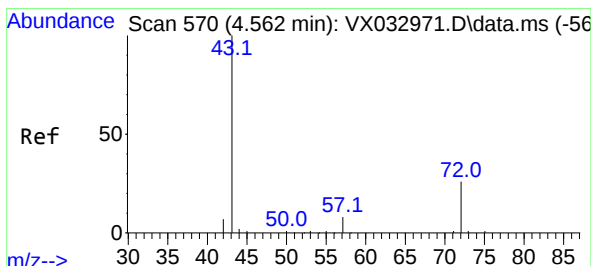
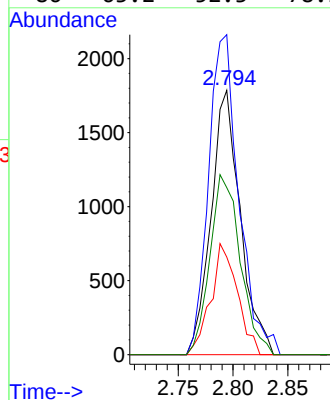
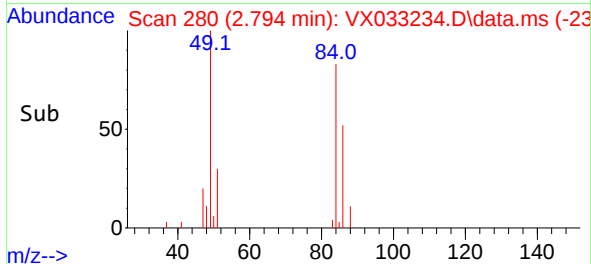
#20
Methylene Chloride
Concen: 2.084 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09



Tgt Ion: 84 Resp: 3319

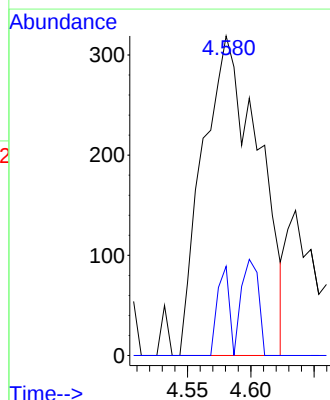
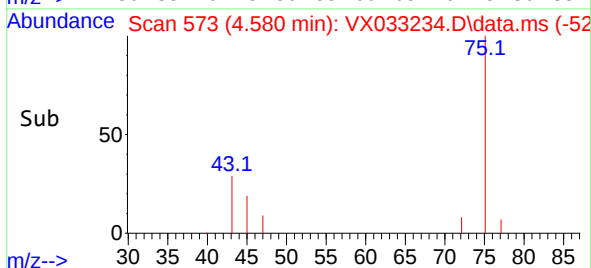
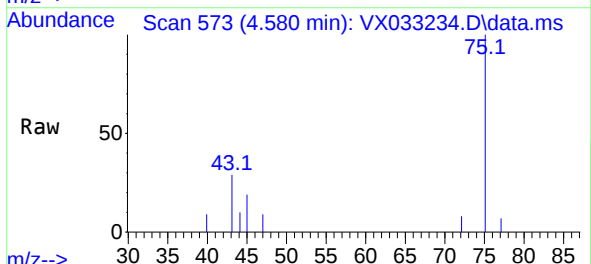
Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.0	151.6
51	36.9	31.1	46.7
86	63.2	52.3	78.5

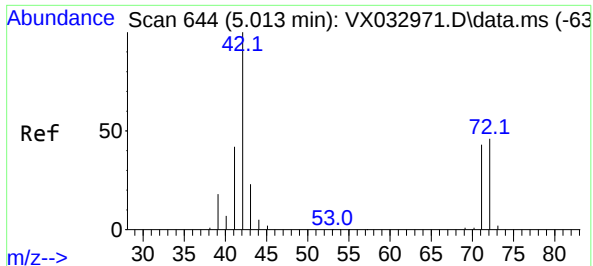


#25
2-Butanone
Concen: 1.481 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 43 Resp: 979

Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB149407ZHE#09

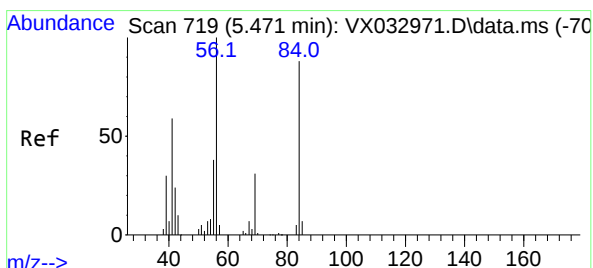
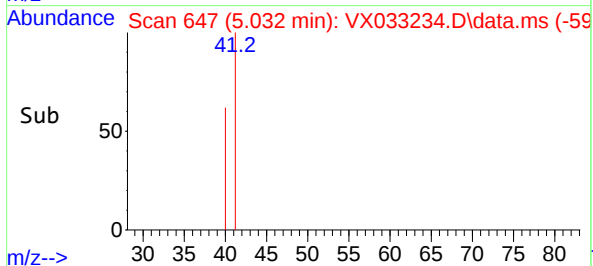
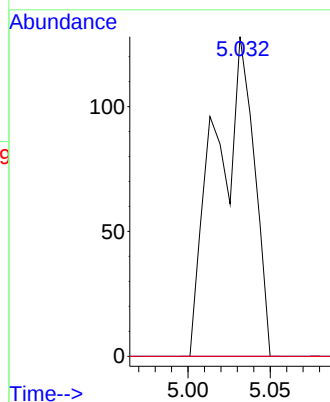
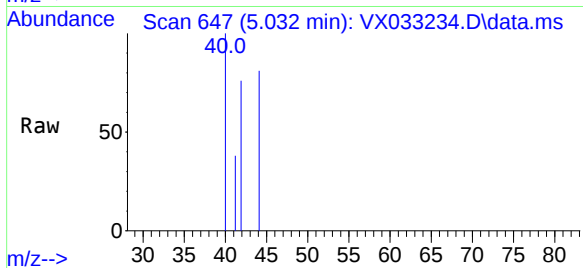
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

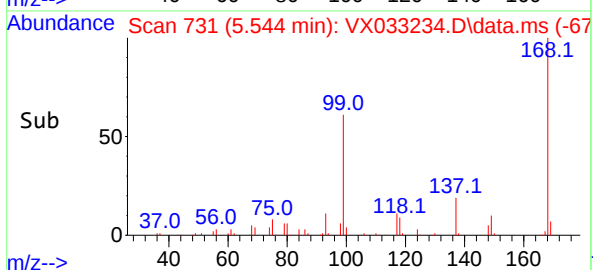
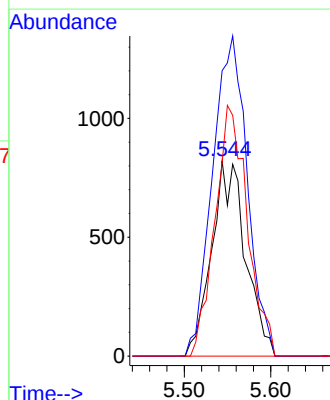
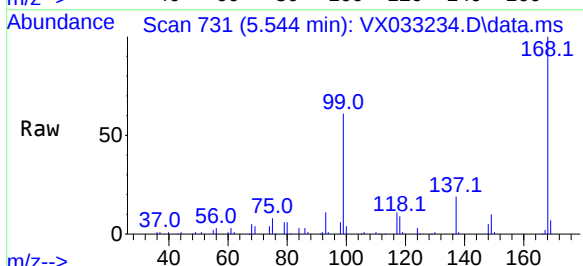
Tgt Ion: 56 Resp: 2227

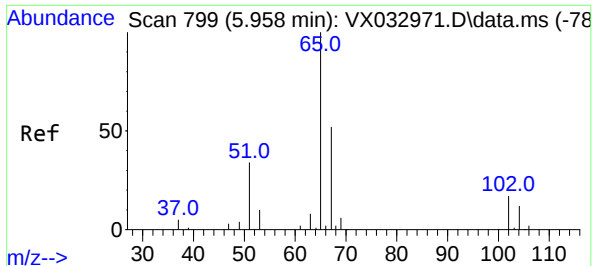
Ion Ratio Lower Upper

56 100

69 146.3 24.1 36.1#

84 98.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 55.683 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

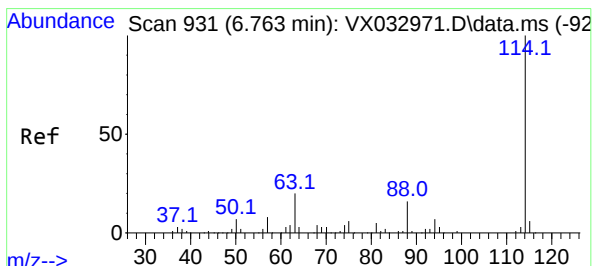
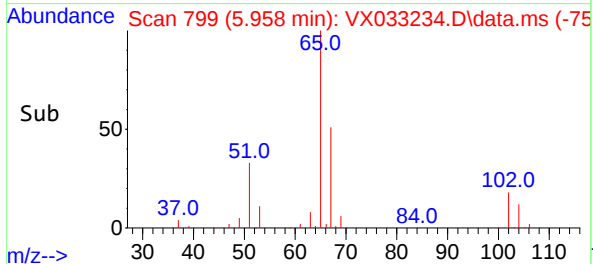
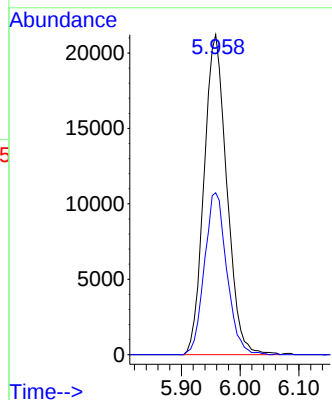
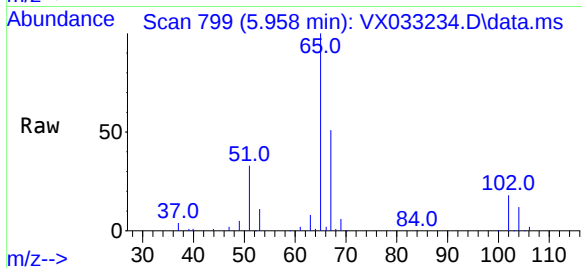
PB149407ZHE#09

Tgt Ion: 65 Resp: 56985

Ion Ratio Lower Upper

65 100

67 49.8 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: VX033234.D

Acq: 05 Dec 2022 18:32

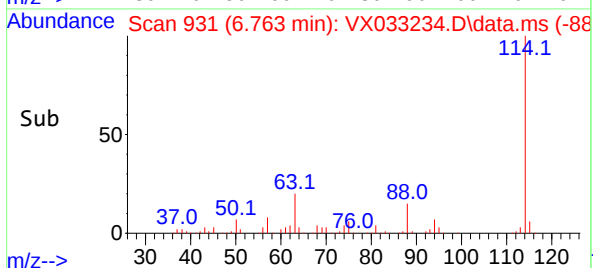
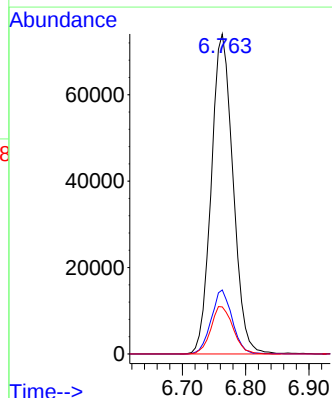
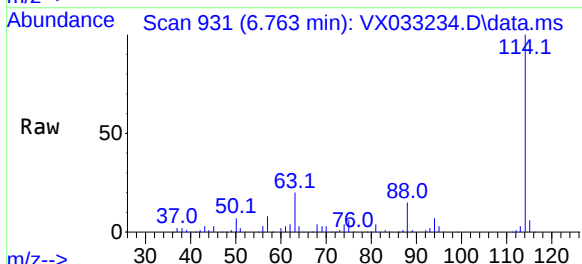
Tgt Ion: 114 Resp: 176350

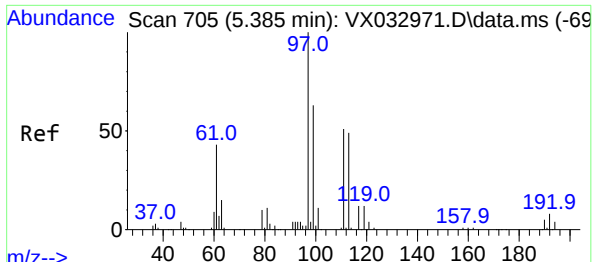
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

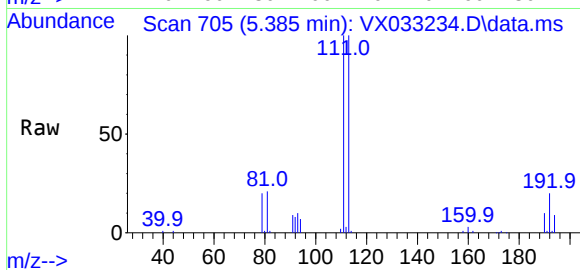
88 14.7 0.0 33.4



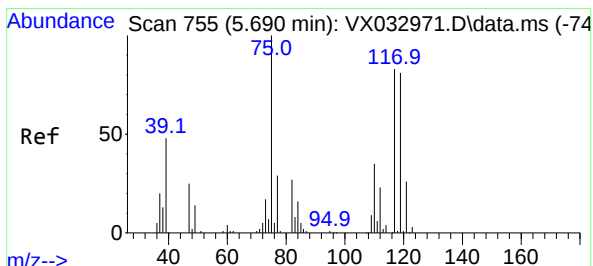
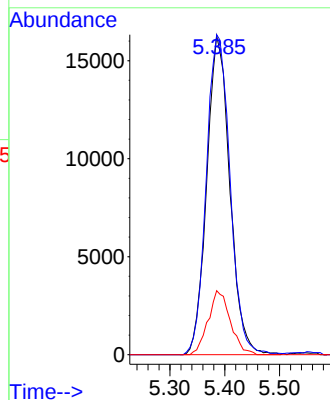
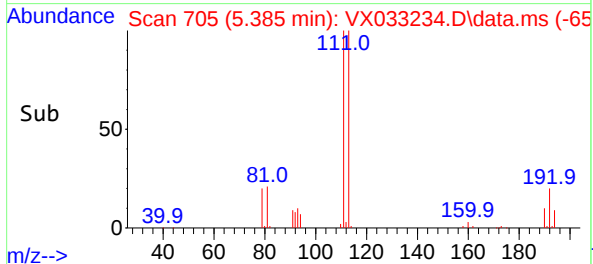


#35
Dibromofluoromethane
Concen: 47.774 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

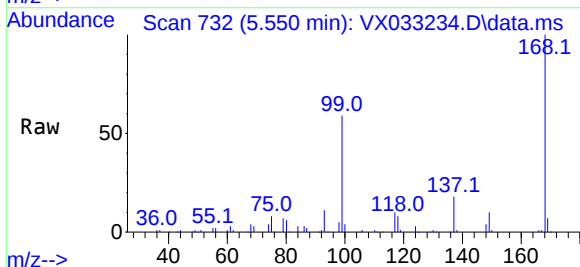
Instrument :
MSVOA_X
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PB149407ZHE#09



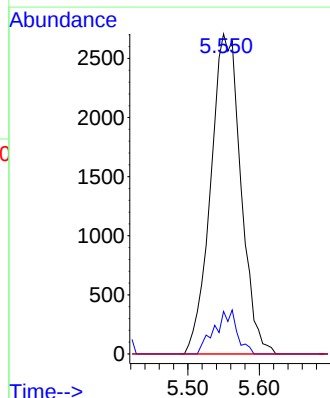
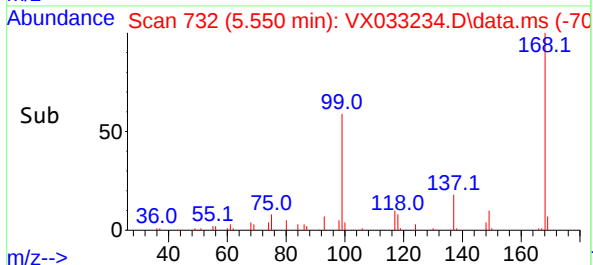
Tgt Ion:113 Resp: 47497
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 19.3 15.4 23.2

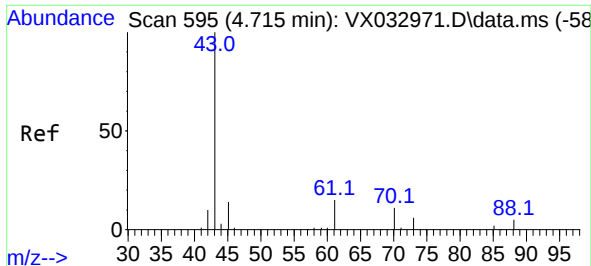


#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32



Tgt Ion: 75 Resp: 7930
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 11.114 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

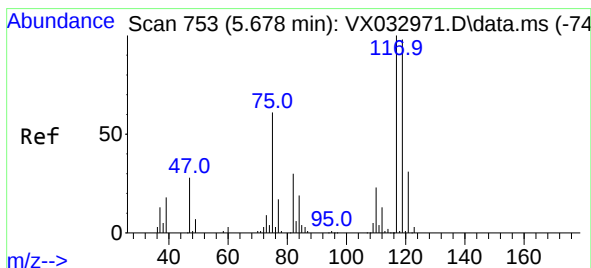
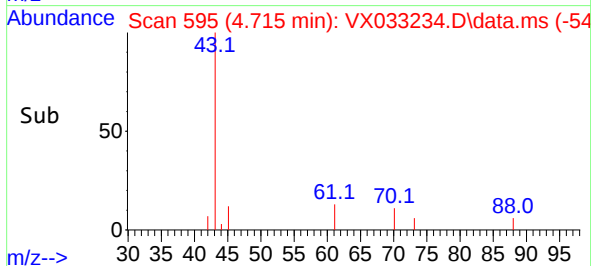
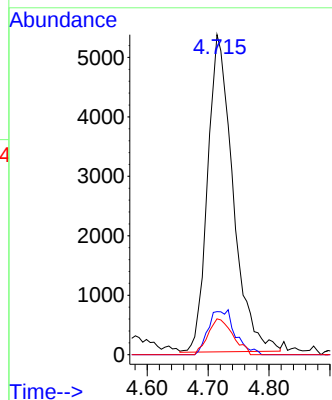
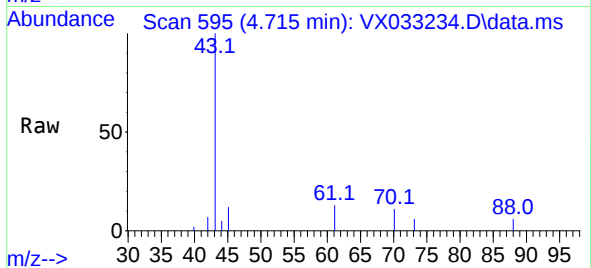
Instrument :

MSVOA_X

ClientSampleId :

PB149407ZHE#09

Tgt Ion: 43	Resp: 15414
Ion Ratio	Lower Upper
43 100	
61 14.8	11.5 17.3
70 11.0	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.100 ug/l

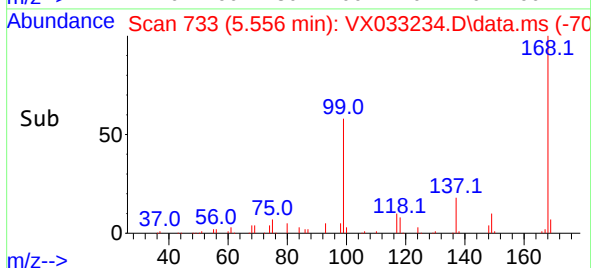
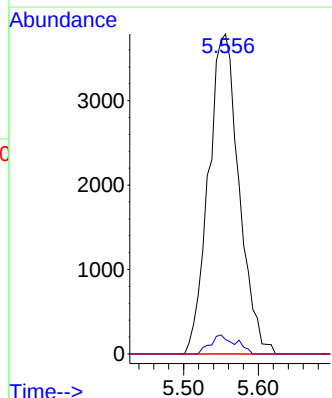
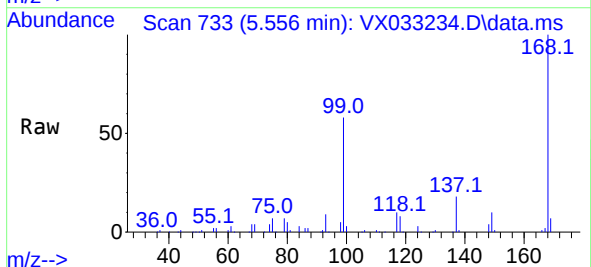
RT: 5.556 min Scan# 733

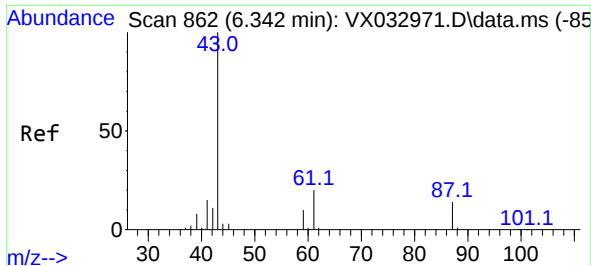
Delta R.T. -0.128 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

Tgt Ion: 117	Resp: 10758
Ion Ratio	Lower Upper
117 100	
119 4.5	77.2 115.8#
121 0.0	25.8 38.6#

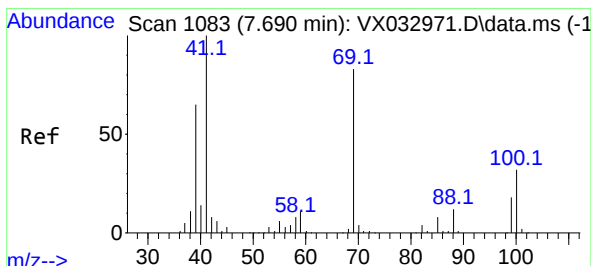
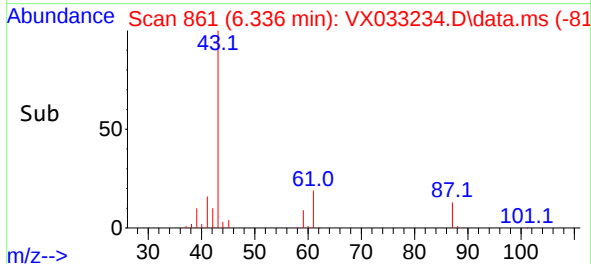
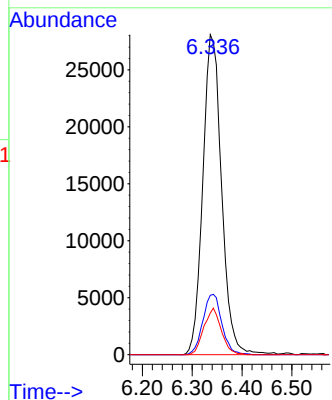
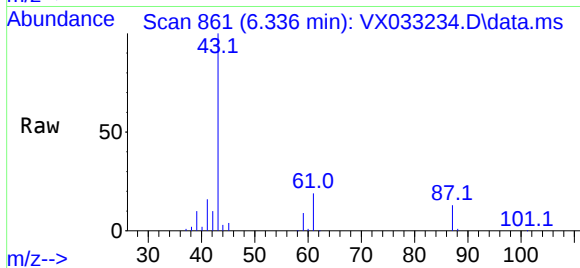




#43
Isopropyl Acetate
Concen: 32.018 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

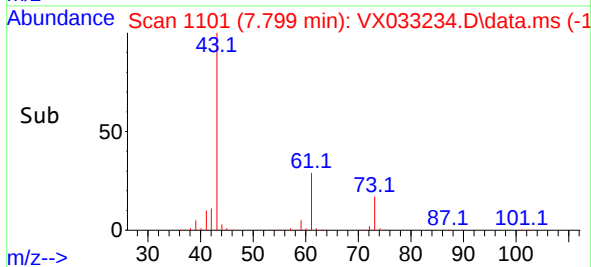
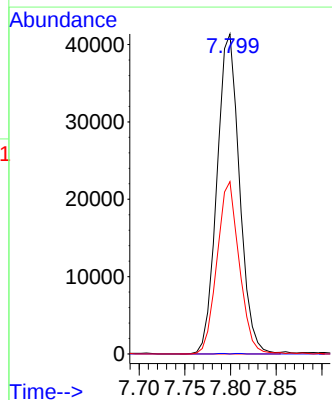
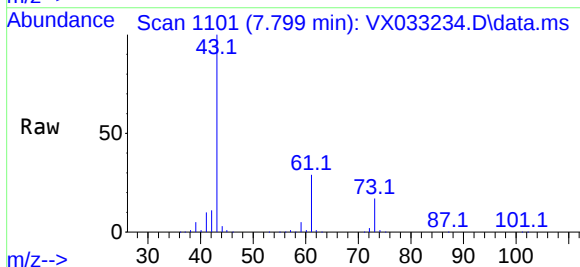
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

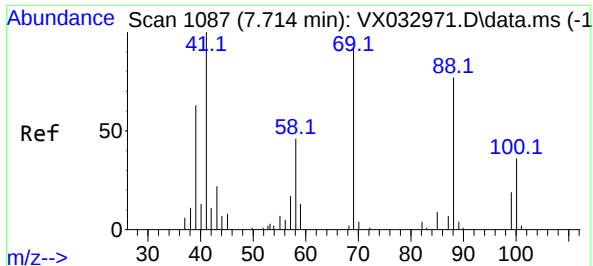
Tgt Ion: 43 Resp: 73439
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 13.5 10.8 16.2



#48
Methyl methacrylate
Concen: 60.241 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 41 Resp: 71123
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 53.3 51.9 77.9

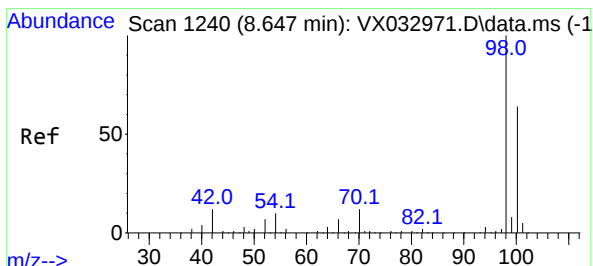
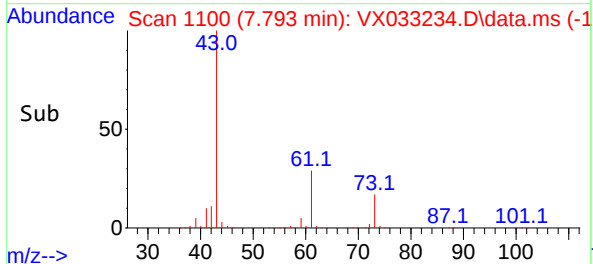
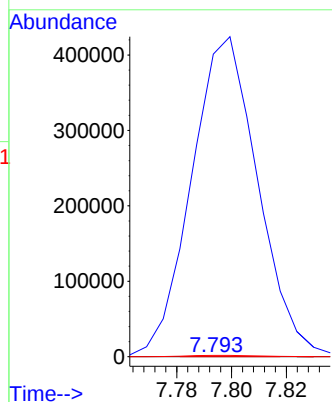
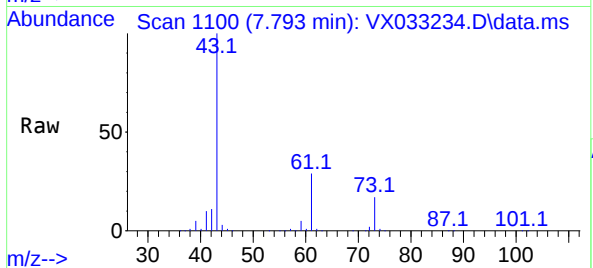




#49
1,4-Dioxane
Concen: 2.347 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

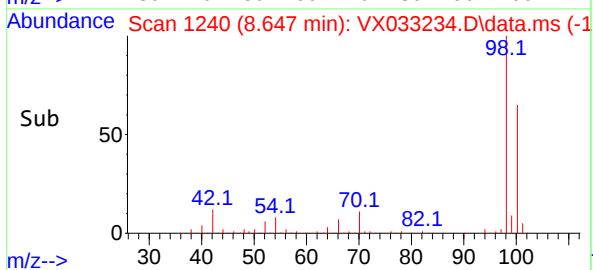
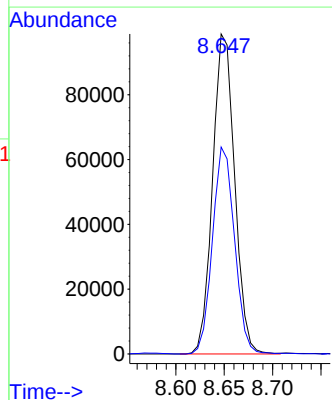
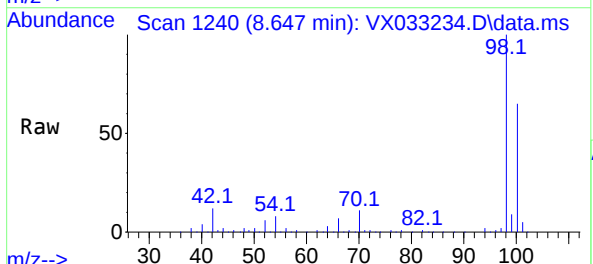
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

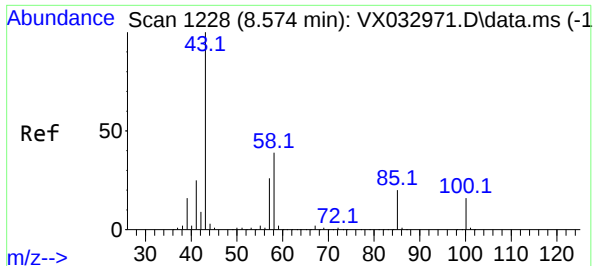
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 1415317.6 26.6 39.8#
58 6270.6 51.7 77.5#



#50
Toluene-d8
Concen: 52.265 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 98 Resp: 156051
Ion Ratio Lower Upper
98 100
100 65.0 50.9 76.3

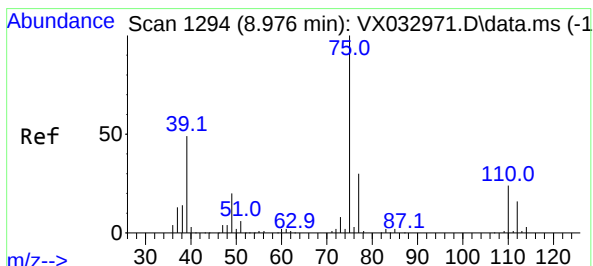
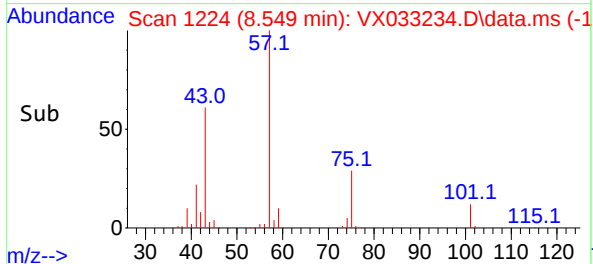
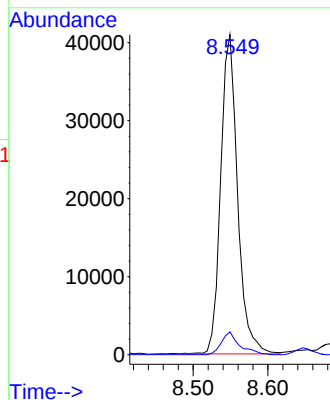
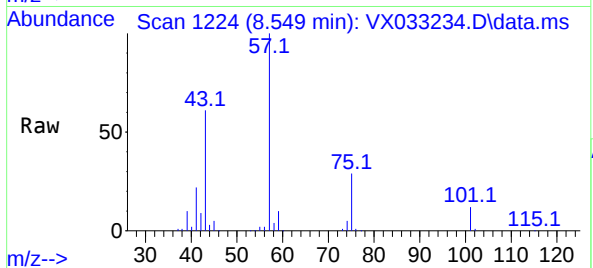




#51
4-Methyl-2-Pentanone
Concen: 45.450 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

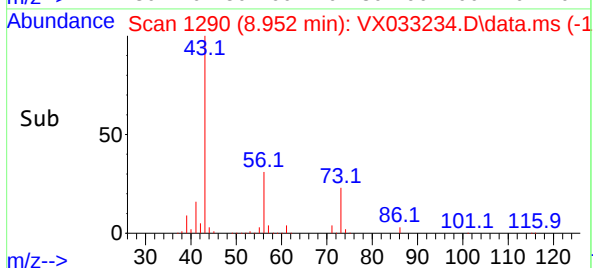
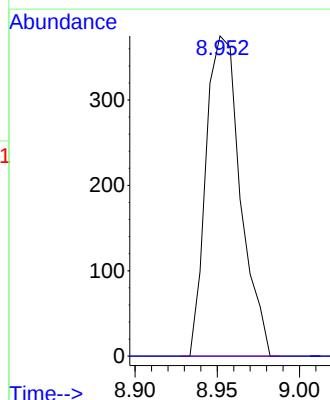
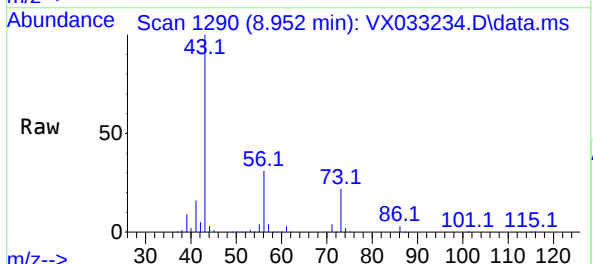
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

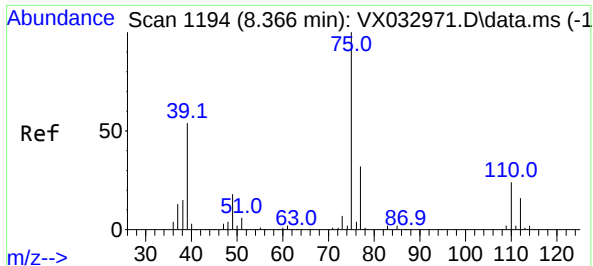
Tgt Ion: 43 Resp: 64327
Ion Ratio Lower Upper
43 100
58 7.7 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 1.814 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 75 Resp: 547
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 15.980 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB149407ZHE#09

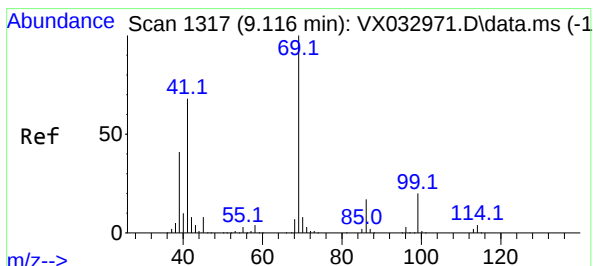
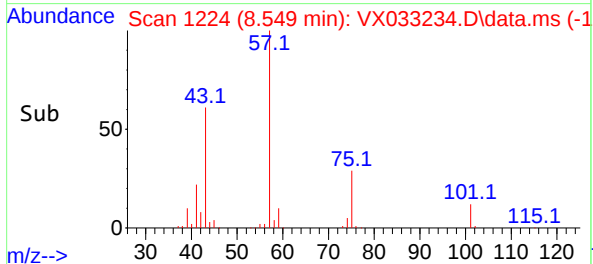
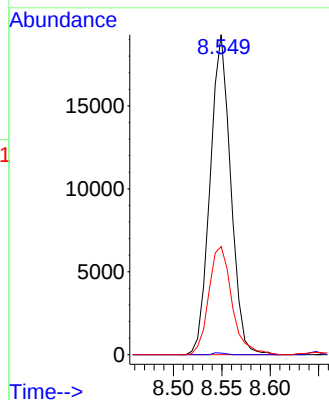
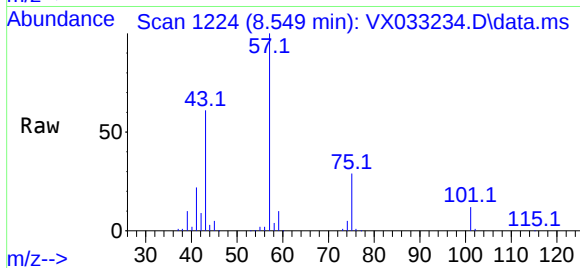
Tgt Ion: 75 Resp: 28610

Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 33.8 45.5 68.3#



#56

Ethyl methacrylate

Concen: 0.361 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX033234.D

Acq: 05 Dec 2022 18:32

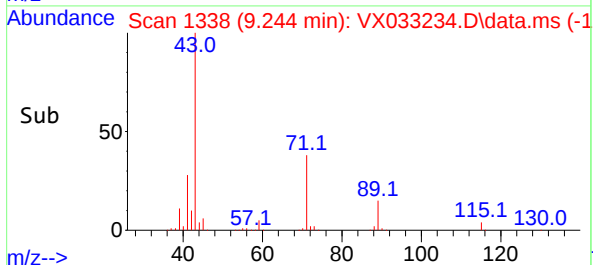
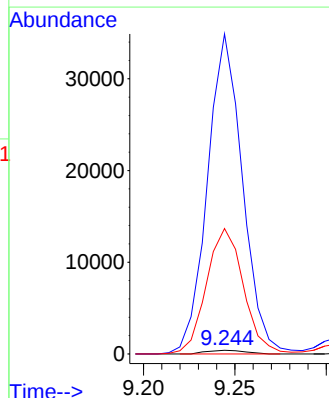
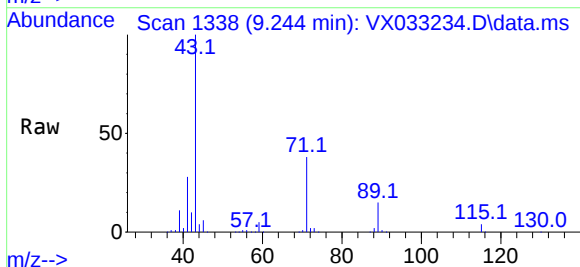
Tgt Ion: 69 Resp: 593

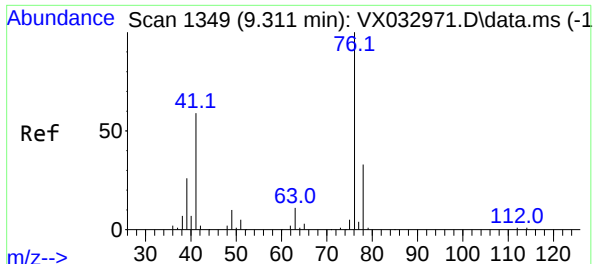
Ion Ratio Lower Upper

69 100

41 7906.9 54.3 81.5#

39 3259.9 35.2 52.8#

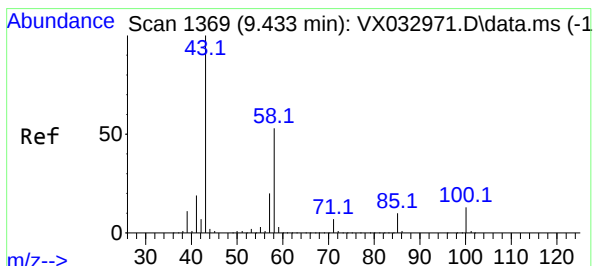
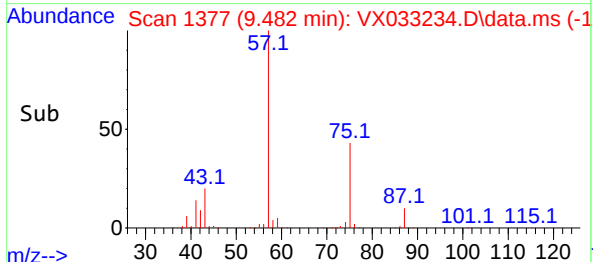
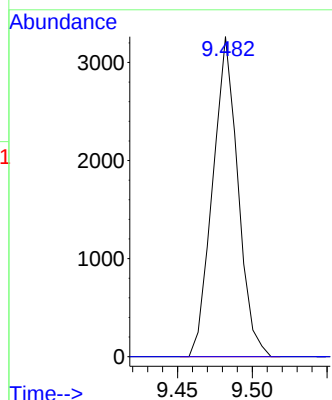
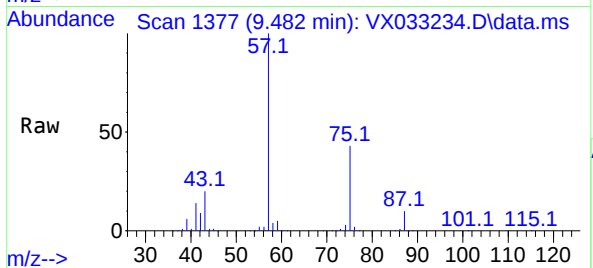




#57
1,3-Dichloropropane
Concen: 1.988 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

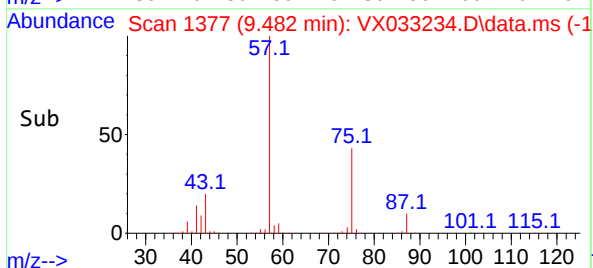
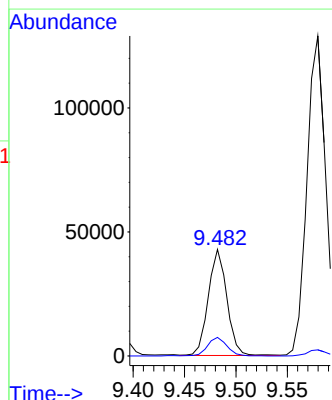
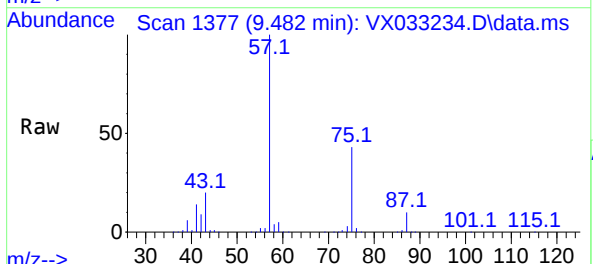
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

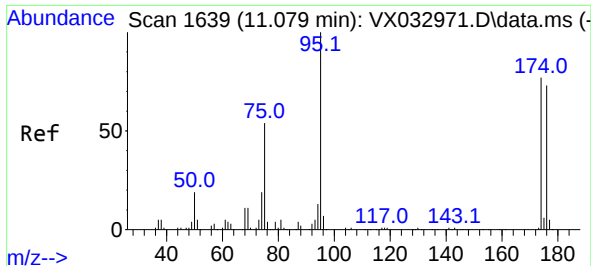
Tgt Ion: 76 Resp: 3832
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 51.696 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 43 Resp: 54050
Ion Ratio Lower Upper
43 100
58 18.5 26.5 79.5#

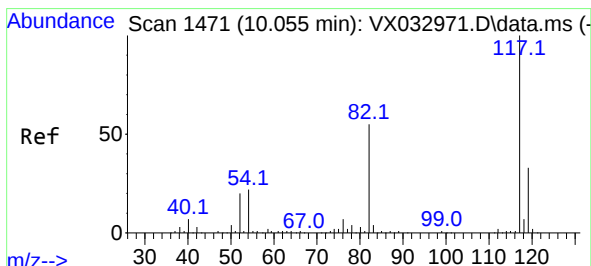
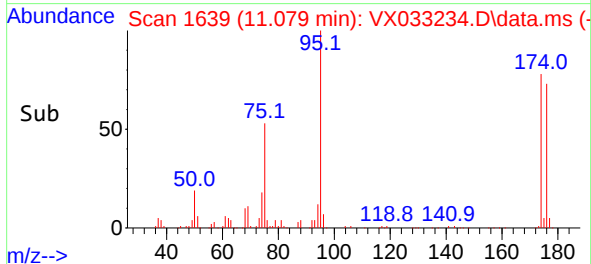
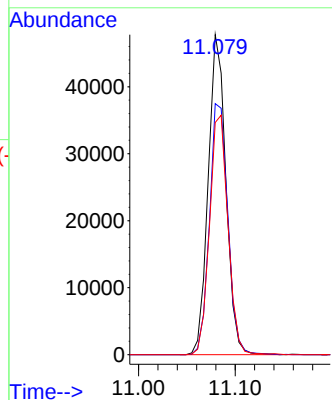
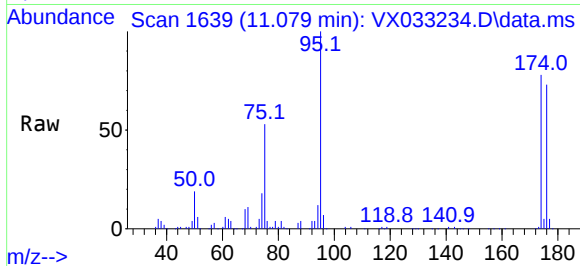




#62
4-Bromofluorobenzene
Concen: 46.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

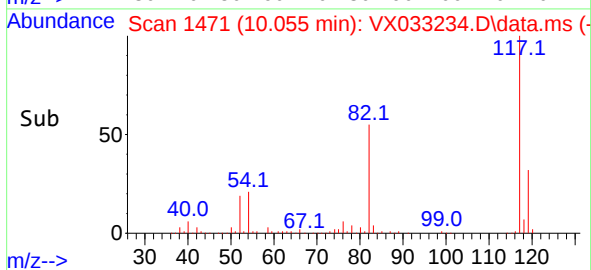
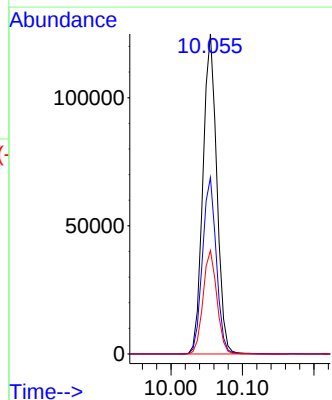
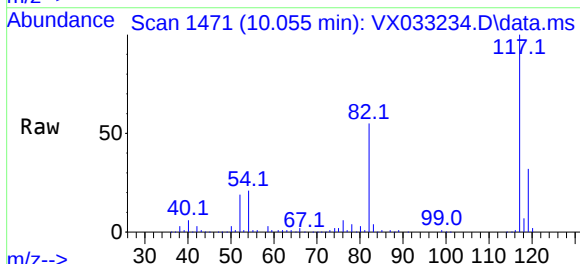
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

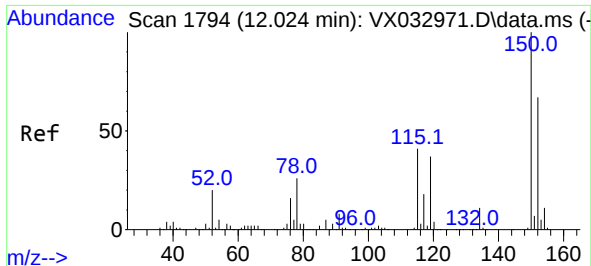
Tgt Ion: 95 Resp: 60878
Ion Ratio Lower Upper
95 100
174 81.6 0.0 164.0
176 78.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 117 Resp: 168145
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.4 25.7 38.5

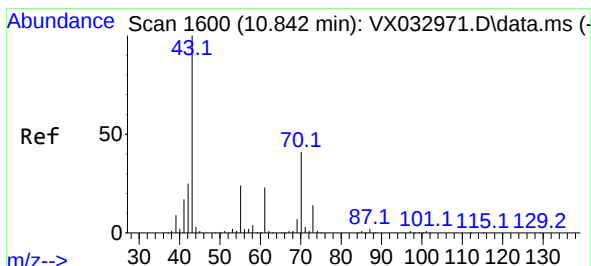
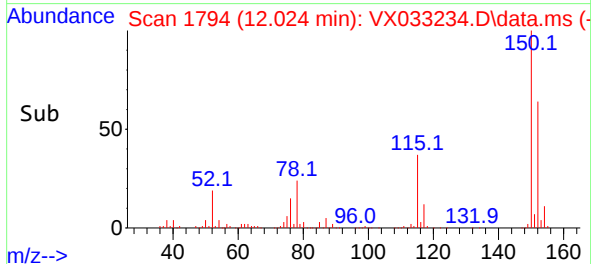
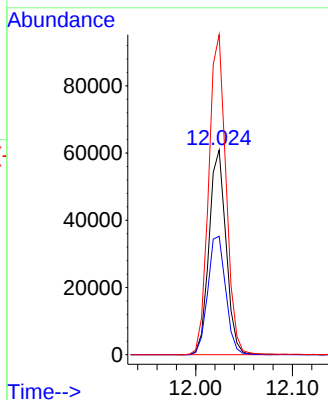
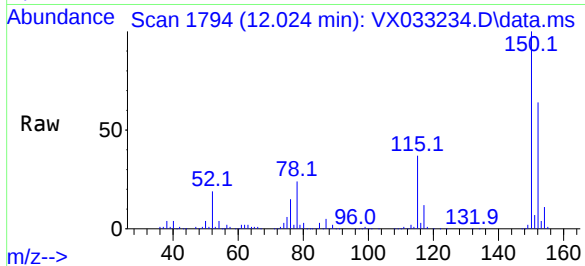




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

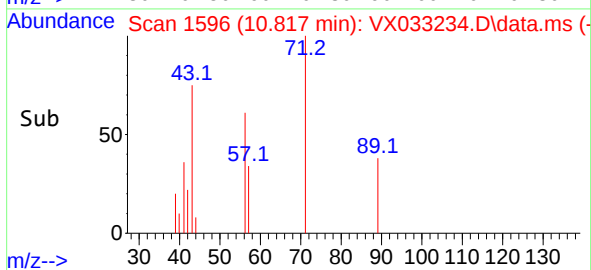
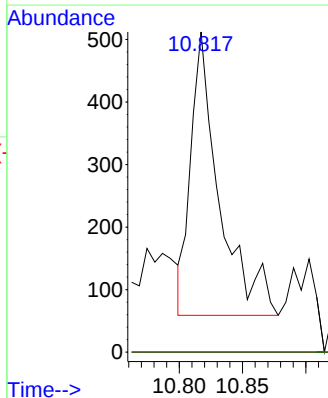
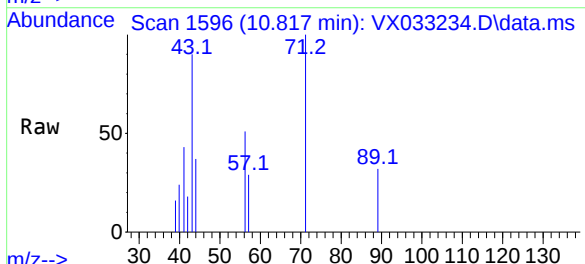
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

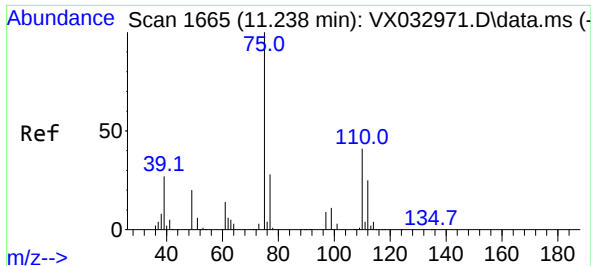
Tgt Ion:152 Resp: 74621
Ion Ratio Lower Upper
152 100
115 60.9 44.0 132.0
150 159.2 0.0 351.8



#74
N-ethyl acetate
Concen: 0.392 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 43 Resp: 711
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#

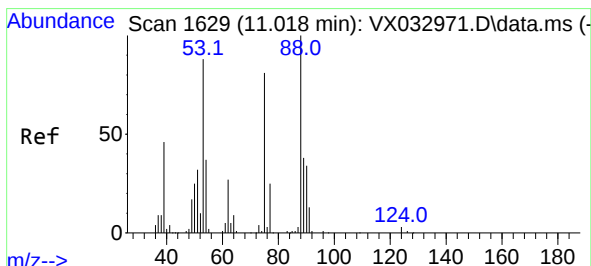
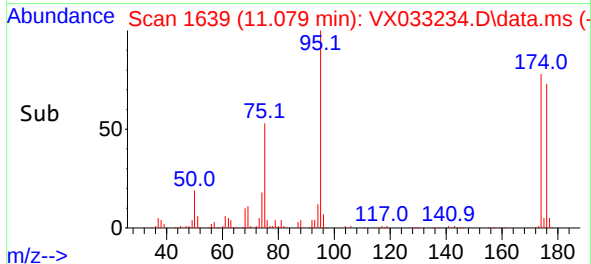
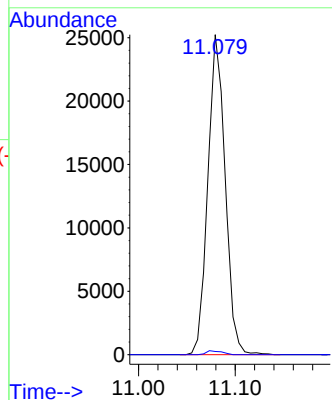
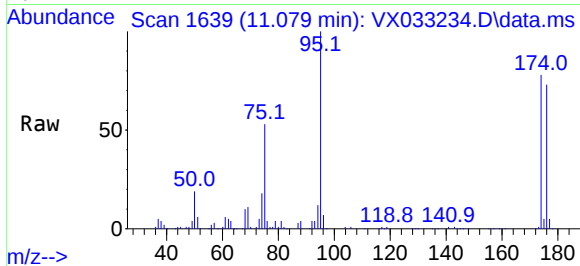




#76
1,2,3-Trichloropropane
Concen: 22.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#09

Tgt Ion: 75 Resp: 31449
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033234.D
Acq: 05 Dec 2022 18:32

Tgt Ion: 75 Resp: 31449
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

