

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033423.D
 Acq On : 14 Dec 2022 16:39
 Operator : JC/MD
 Sample : PB149591ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#04

Quant Time: Dec 14 22:51:39 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)

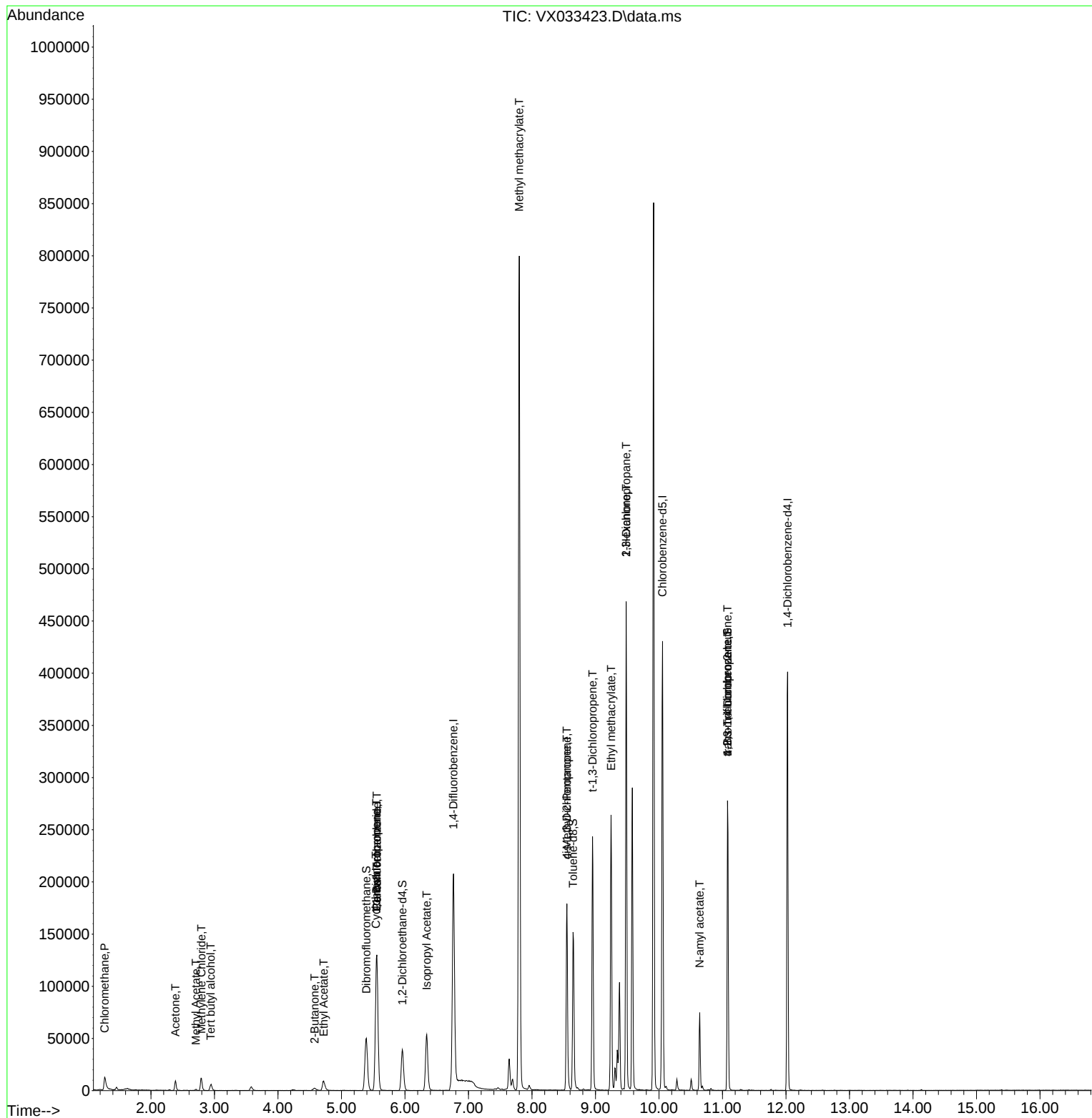
Internal Standards						
1) Pentafluorobenzene	5.556	168	124190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40367	50.666	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.340%	
35) Dibromofluoromethane	5.391	113	44245	47.681	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.360%	
50) Toluene-d8	8.647	98	93516	48.174	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	11.079	95	73058	49.222	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	434	0.433	ug/l #	43
11) Tert butyl alcohol	2.941	59	3801	15.604	ug/l #	72
16) Acetone	2.386	43	10004	16.969	ug/l	89
18) Methyl Acetate	2.709	43	1288	0.755	ug/l	100
20) Methylene Chloride	2.794	84	5982	4.550	ug/l	88
25) 2-Butanone	4.574	43	2254	2.663	ug/l	96
31) Cyclohexane	5.544	56	2456	1.297	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	9471	5.235	ug/l #	44
37) Ethyl Acetate	4.721	43	16787	9.816	ug/l	98
38) Carbon Tetrachloride	5.556	117	12903	6.366	ug/l #	15
43) Isopropyl Acetate	6.342	43	72071	26.192	ug/l	99
48) Methyl methacrylate	7.800	41	68807	48.451	ug/l #	42
51) 4-Methyl-2-Pentanone	8.549	43	60160	34.572	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	523	2.736	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28053	13.160	ug/l #	59
56) Ethyl methacrylate	9.244	69	596	0.295	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3954	1.717	ug/l #	42
59) 2-Hexanone	9.482	43	50467	39.355	ug/l #	53
74) N-amyl acetate	10.640	43	17929	8.475	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	36643	21.054	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36643	65.493	ug/l #	6

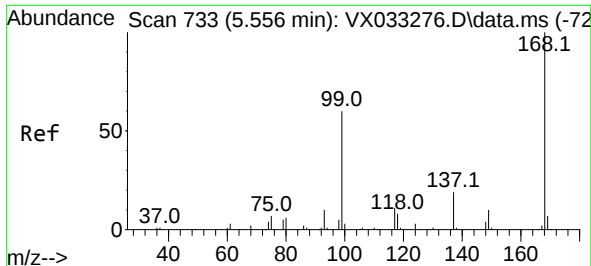
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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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
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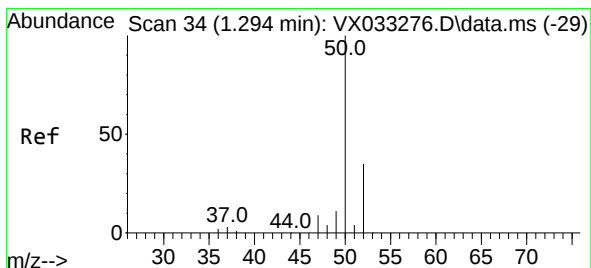
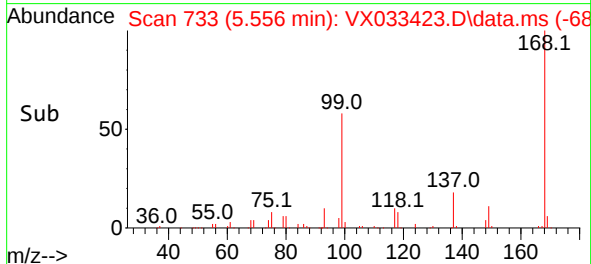
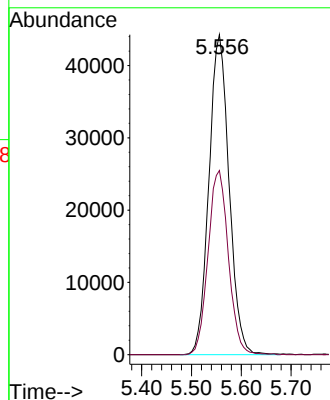
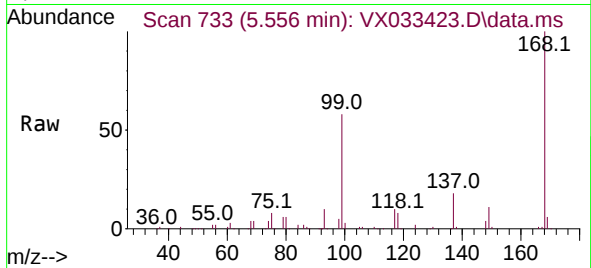




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

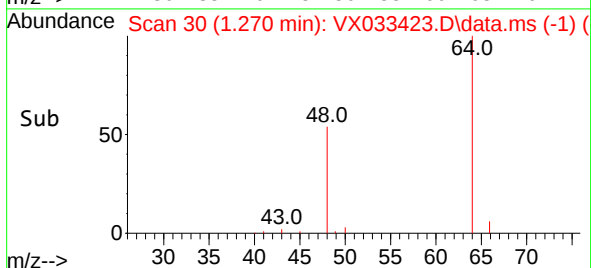
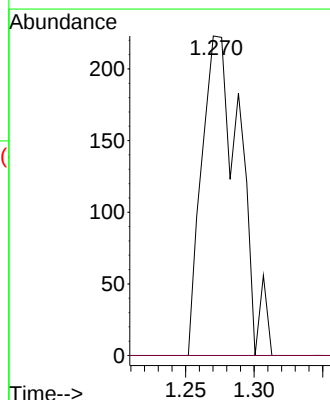
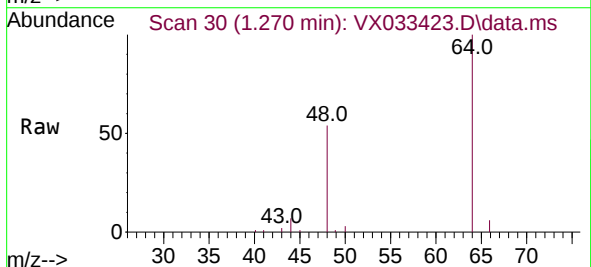
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

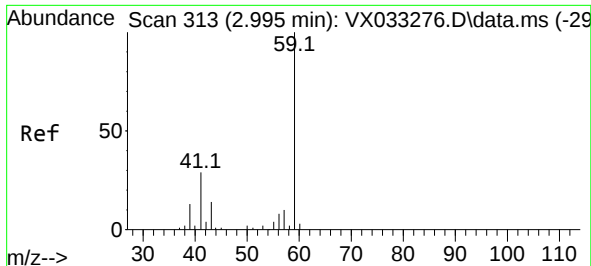
Tgt Ion:168 Resp: 124190
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#3
Chloromethane
Concen: 0.433 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 50 Resp: 434
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 15.604 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.054 min

Lab File: VX033423.D

Acq: 14 Dec 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

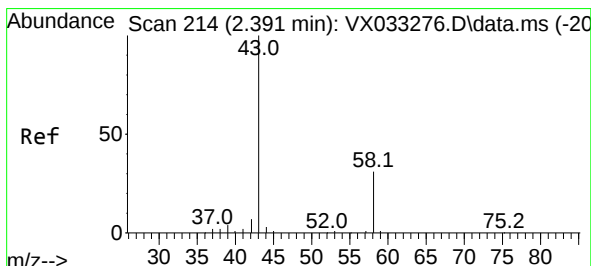
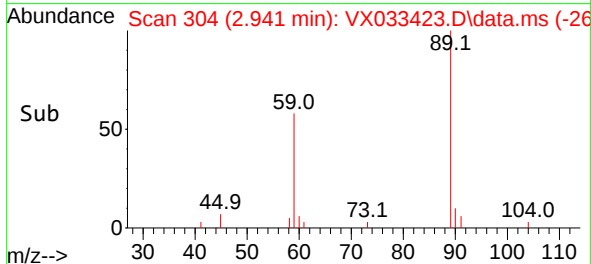
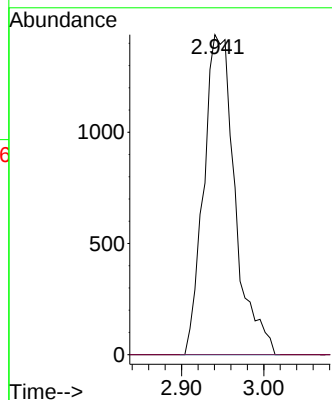
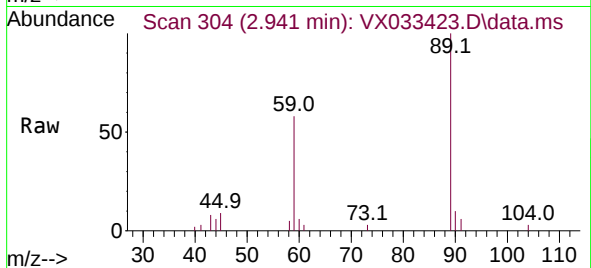
PB149591ZHE#04

Tgt Ion: 59 Resp: 3801

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 16.969 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033423.D

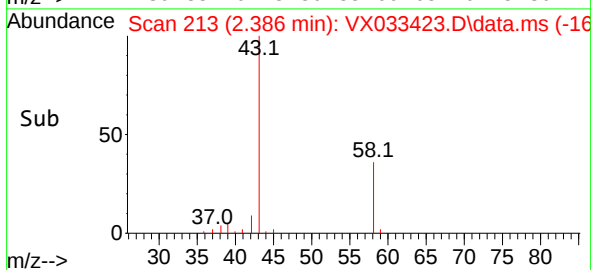
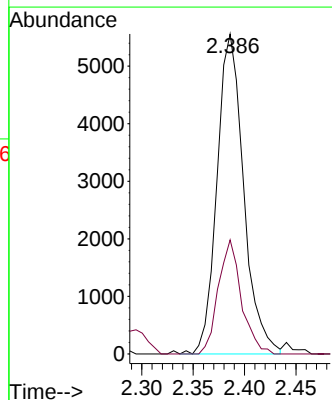
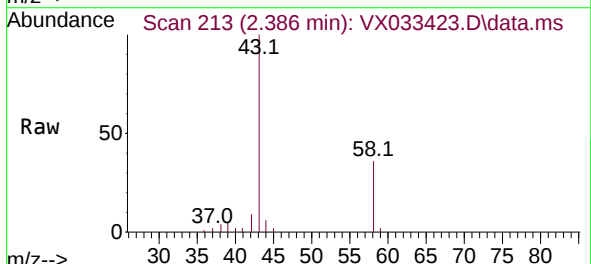
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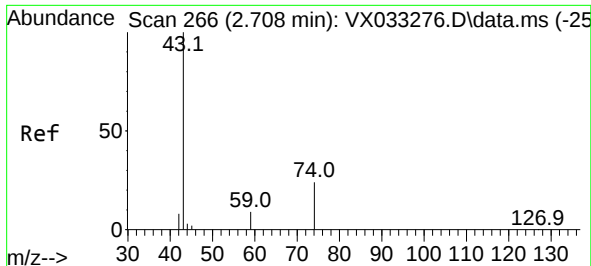
Tgt Ion: 43 Resp: 10004

Ion Ratio Lower Upper

43 100

58 35.6 23.8 35.8

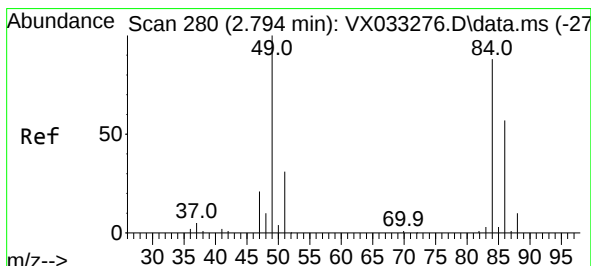
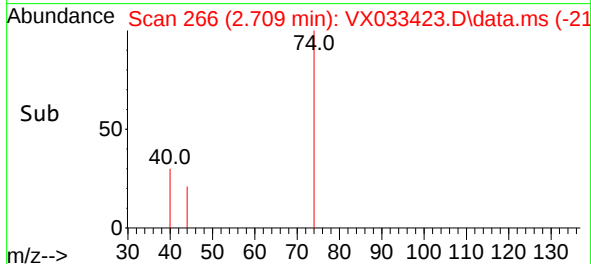
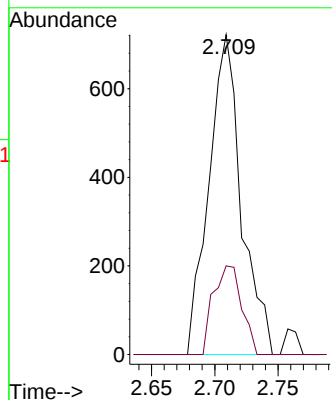
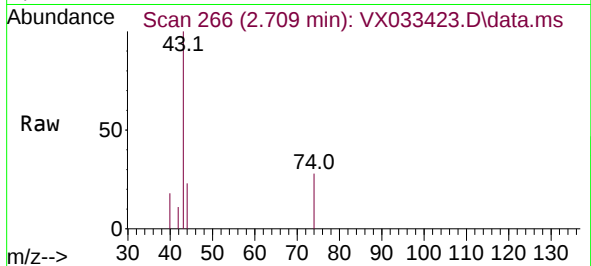




#18
Methyl Acetate
Concen: 0.755 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

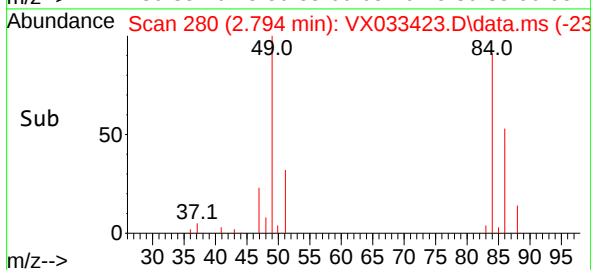
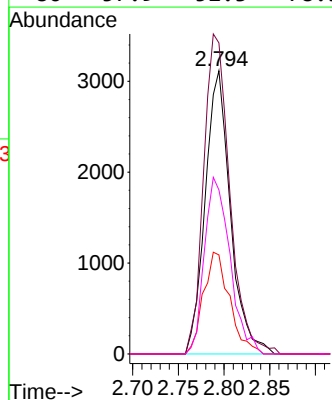
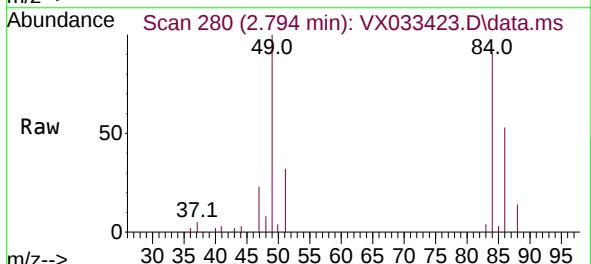
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

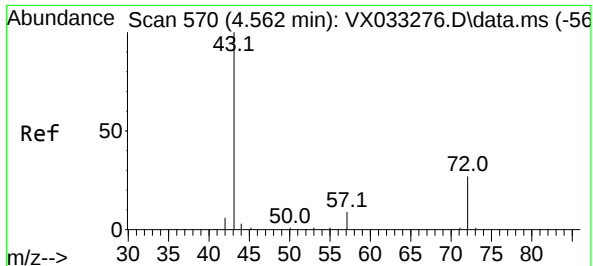
Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.0



#20
Methylene Chloride
Concen: 4.550 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 84 Resp: 5982
Ion Ratio Lower Upper
84 100
49 109.9 101.0 151.6
51 34.9 31.1 46.7
86 57.9 52.3 78.5

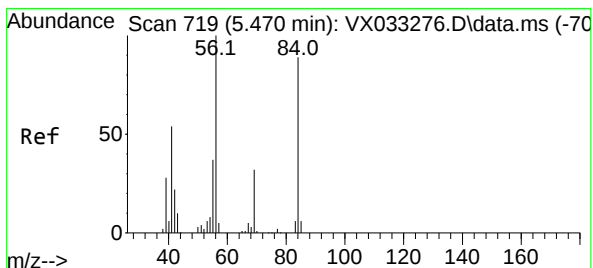
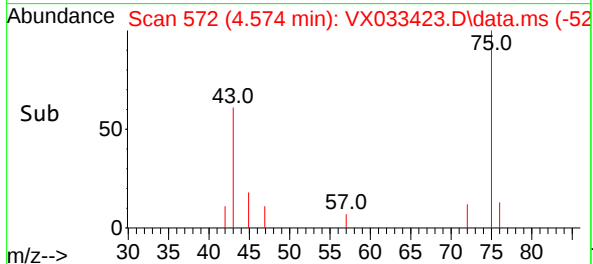
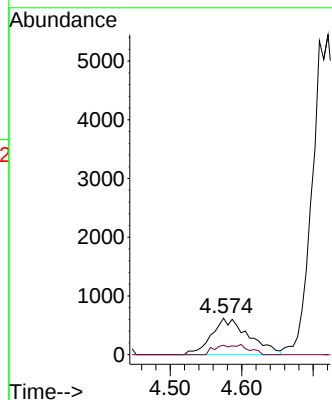
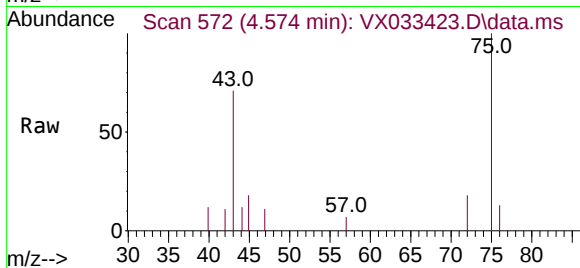




#25
2-Butanone
Concen: 2.663 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

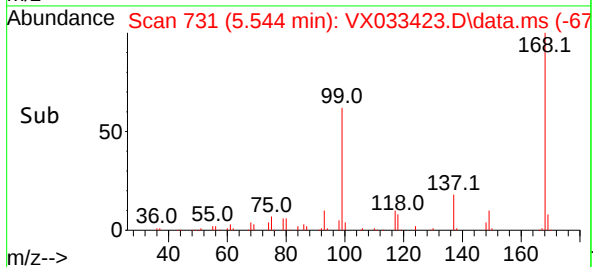
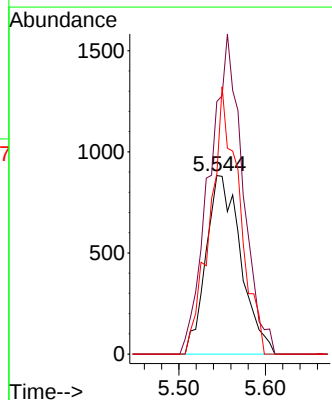
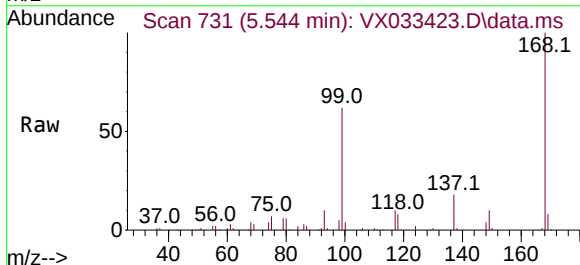
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

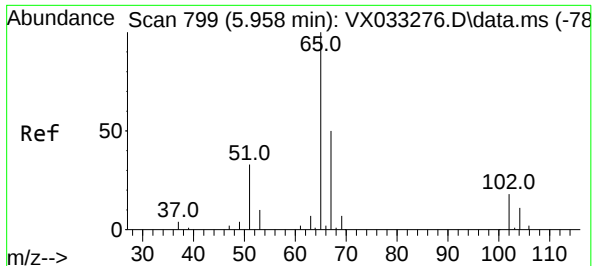
Tgt Ion: 43 Resp: 2254
Ion Ratio Lower Upper
43 100
72 25.8 22.2 33.2



#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 56 Resp: 2456
Ion Ratio Lower Upper
56 100
69 141.4 24.1 36.1#
84 100.9 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 50.666 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033423.D

Acq: 14 Dec 2022 16:39

Instrument :

MSVOA_X

ClientSampleId :

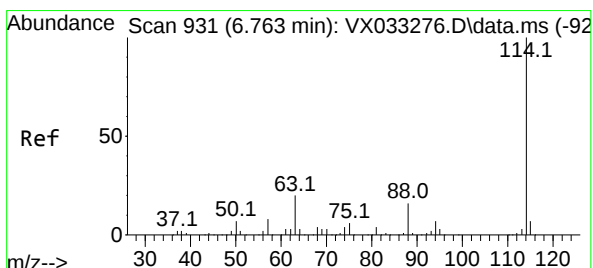
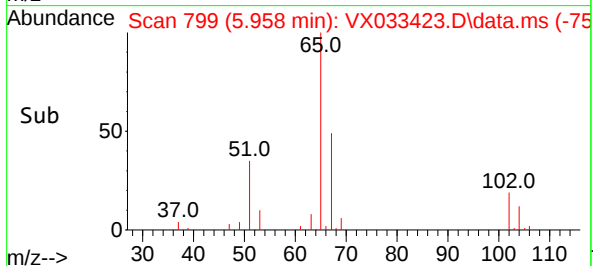
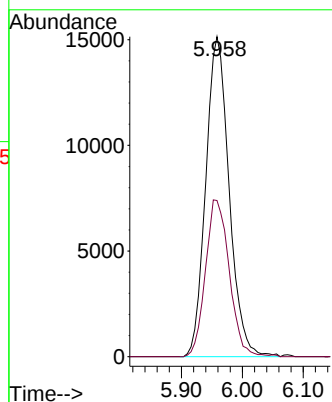
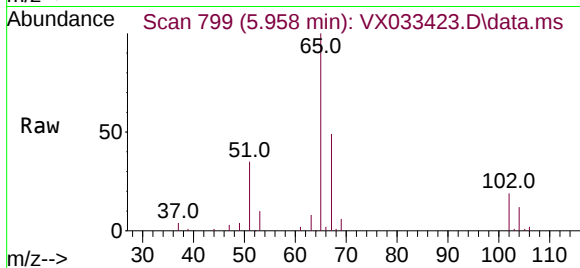
PB149591ZHE#04

Tgt Ion: 65 Resp: 40367

Ion Ratio Lower Upper

65 100

67 50.0 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: VX033423.D

Acq: 14 Dec 2022 16:39

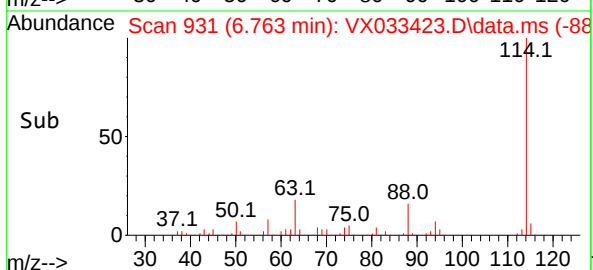
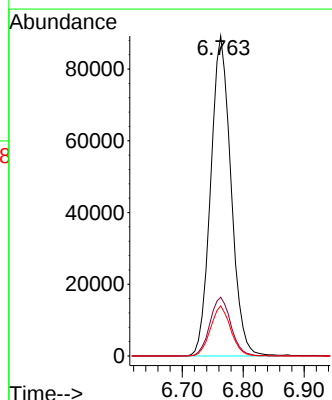
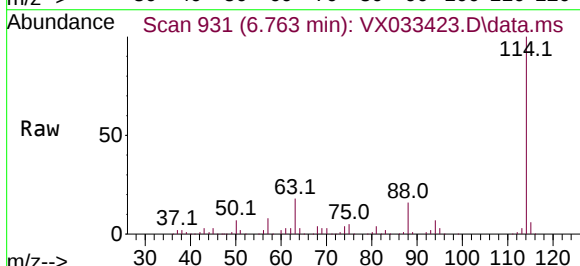
Tgt Ion: 114 Resp: 206309

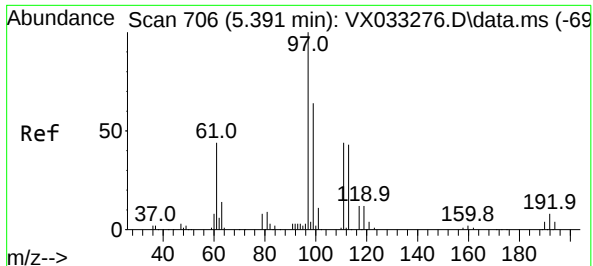
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 15.6 0.0 33.4

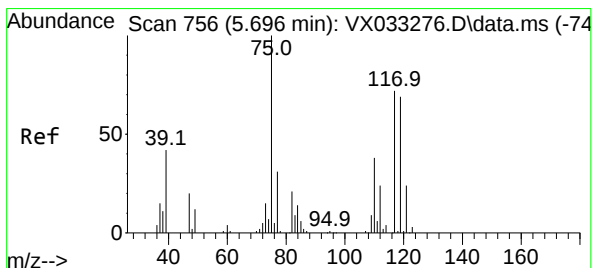
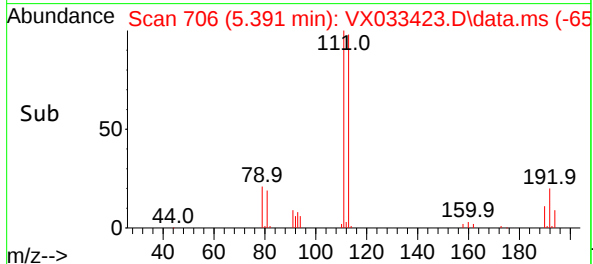
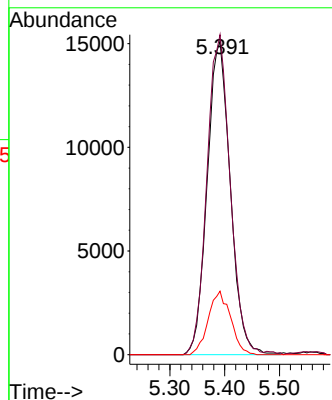
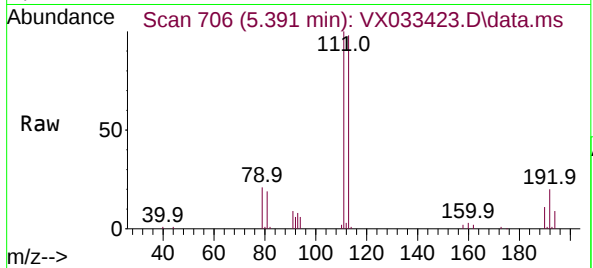




#35
Dibromofluoromethane
Concen: 47.681 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

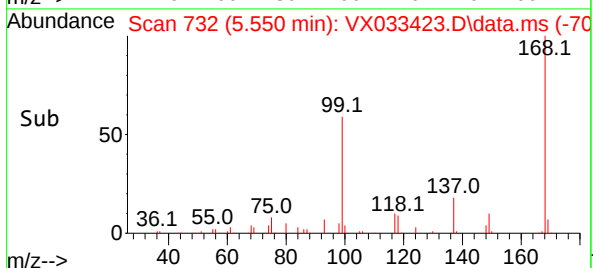
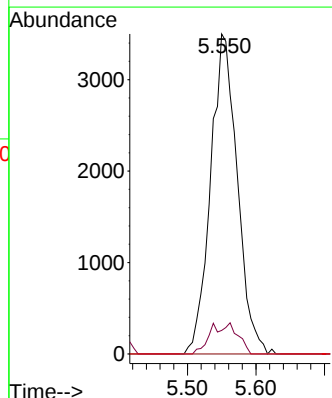
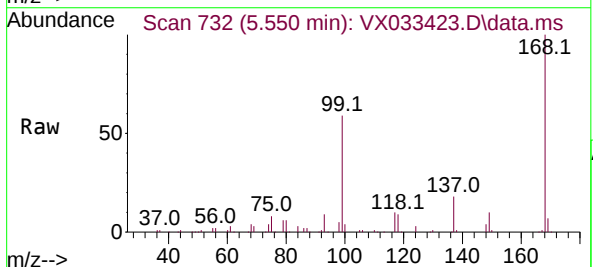
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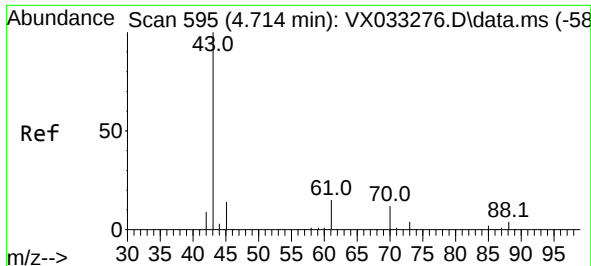
Tgt Ion:113 Resp: 44245
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 19.6 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.235 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 75 Resp: 9471
Ion Ratio Lower Upper
75 100
110 3.8 18.4 55.2#
77 0.0 24.5 36.7#

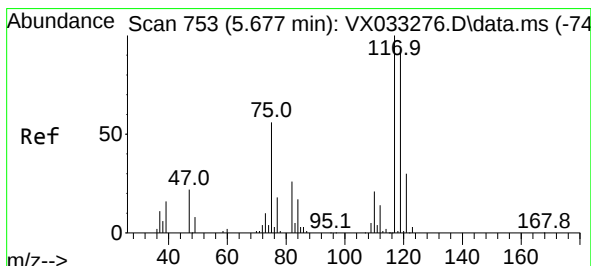
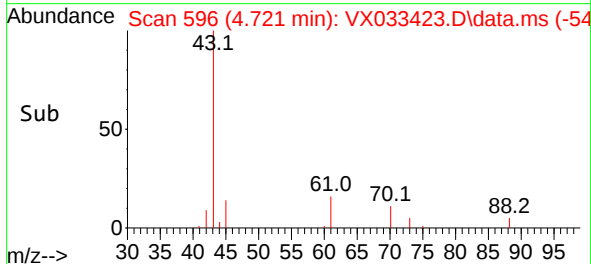
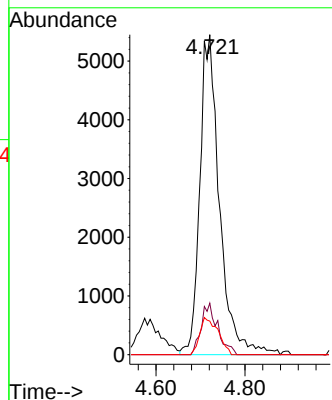
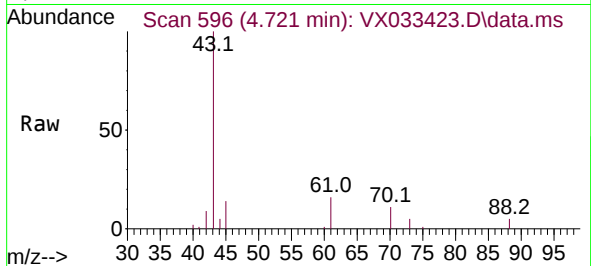




#37
Ethyl Acetate
Concen: 9.816 ug/l
RT: 4.721 min Scan# 51
Delta R.T. 0.007 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

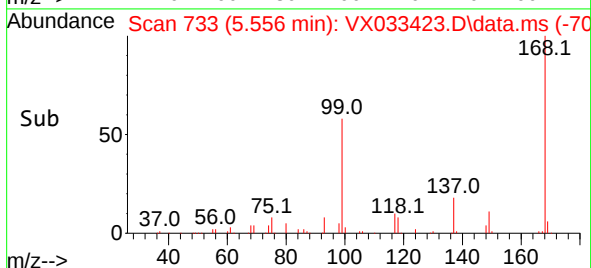
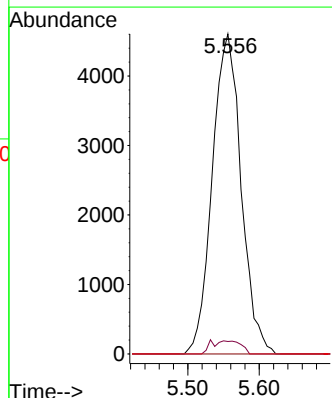
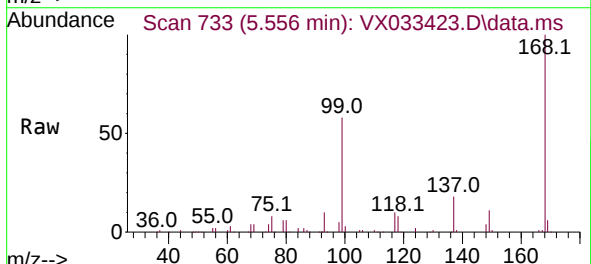
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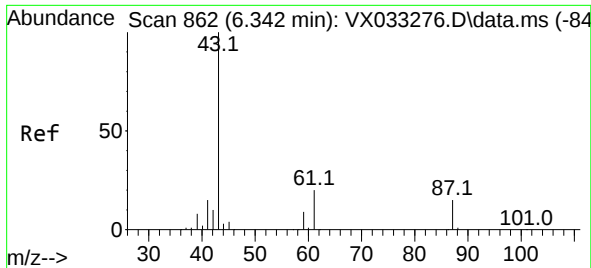
Tgt Ion: 43 Resp: 16787
Ion Ratio Lower Upper
43 100
61 13.5 11.5 17.3
70 10.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 117 Resp: 12903
Ion Ratio Lower Upper
117 100
119 3.9 77.2 115.8#
121 0.0 25.8 38.6#

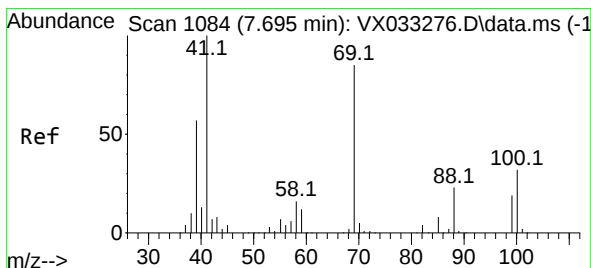
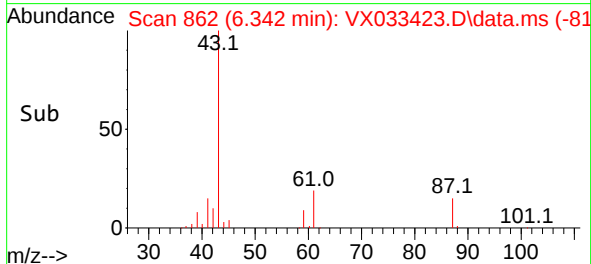
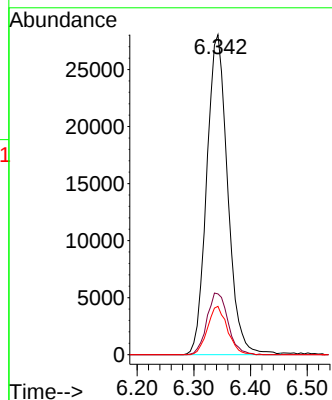
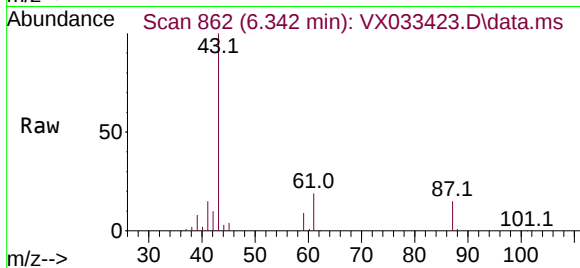




#43
Isopropyl Acetate
Concen: 26.192 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

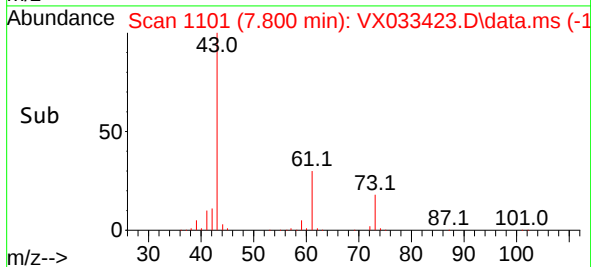
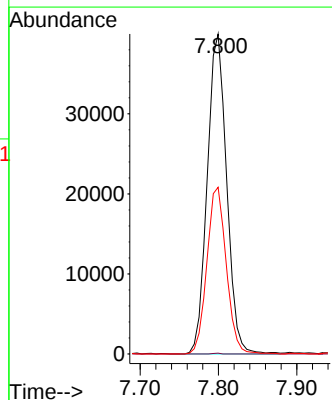
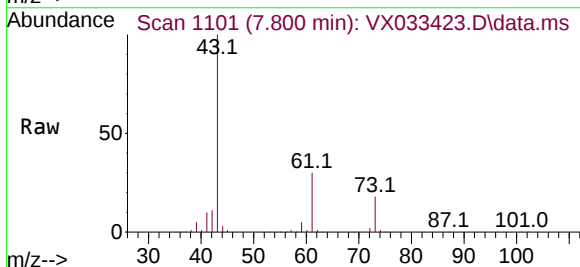
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

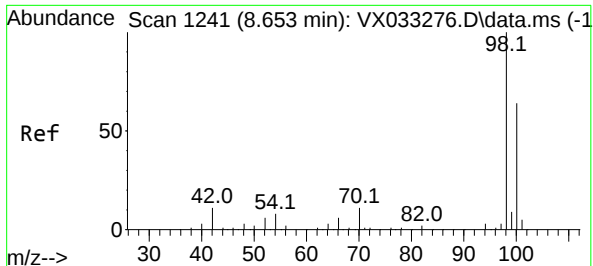
Tgt Ion: 43 Resp: 72071
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 14.3 10.8 16.2



#48
Methyl methacrylate
Concen: 48.451 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 41 Resp: 68807
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 52.0 51.9 77.9

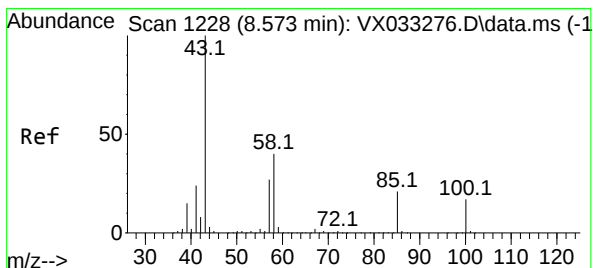
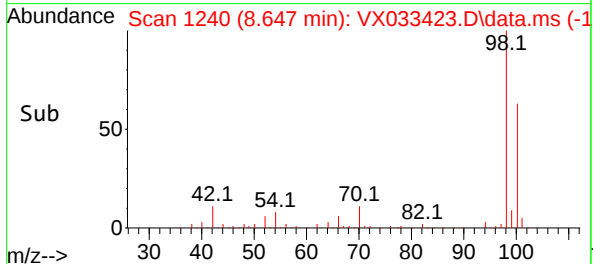
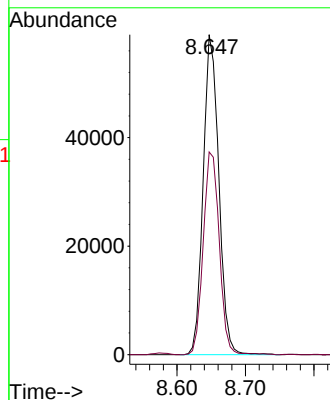
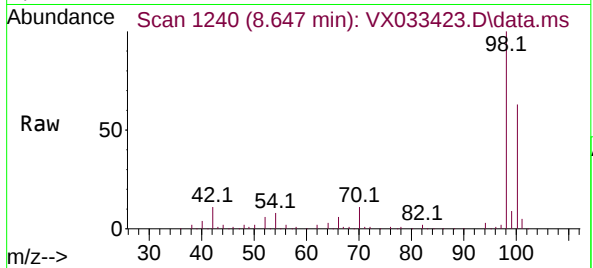




#50
Toluene-d8
Concen: 48.174 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

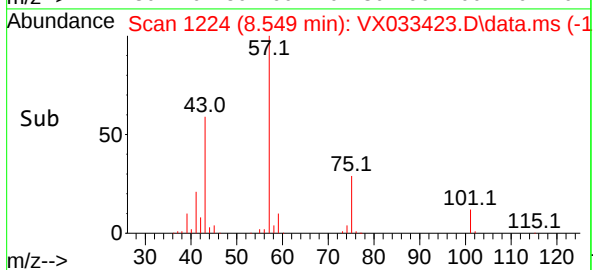
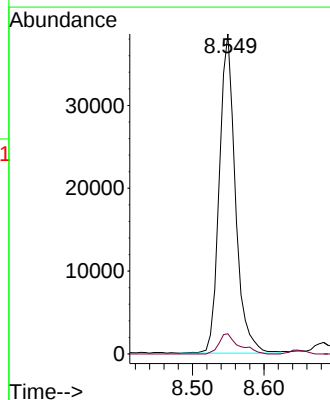
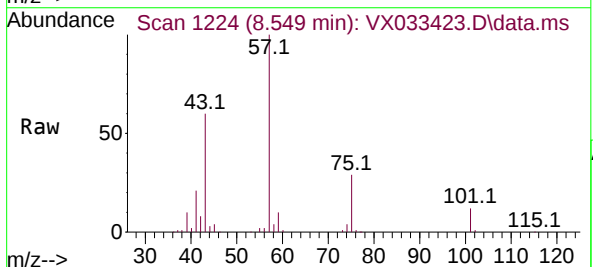
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

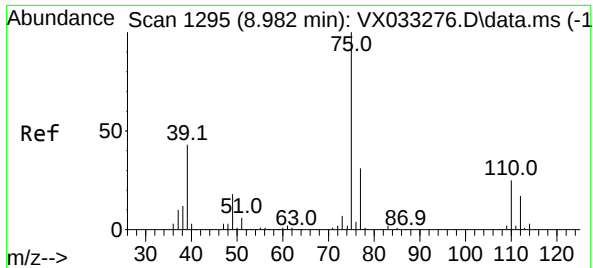
Tgt Ion: 98 Resp: 93516
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 34.572 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 43 Resp: 60160
Ion Ratio Lower Upper
43 100
58 7.8 30.9 46.3#

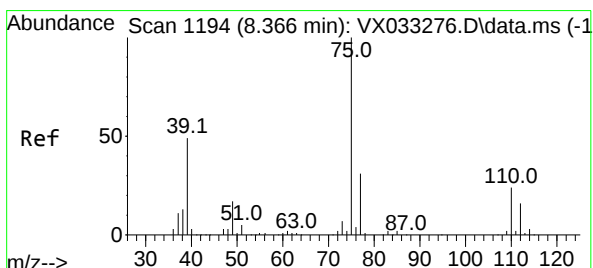
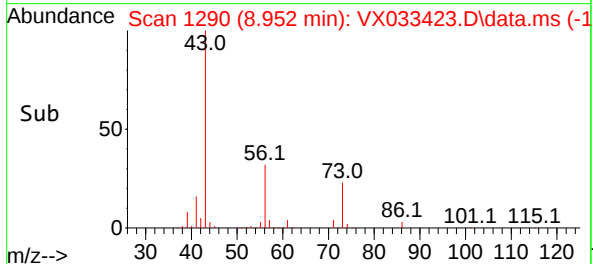
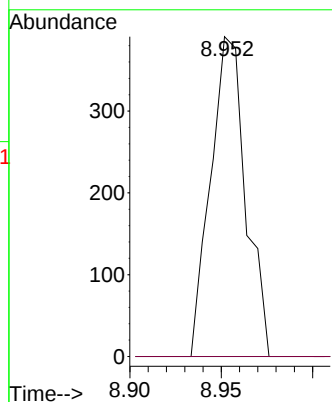
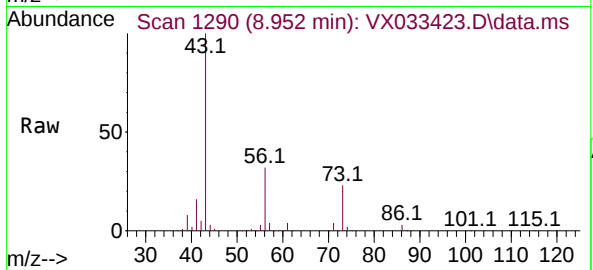




#53
 t-1,3-Dichloropropene
 Concen: 2.736 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.030 min
 Lab File: VX033423.D
 Acq: 14 Dec 2022 16:39

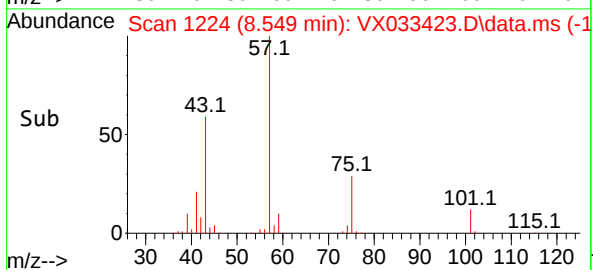
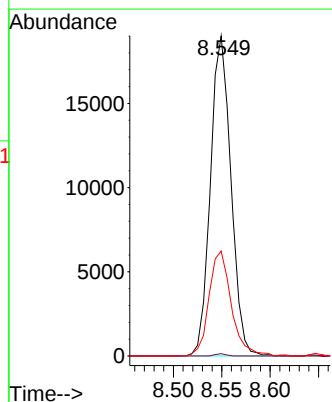
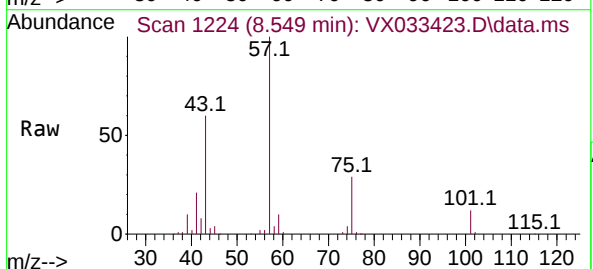
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#04

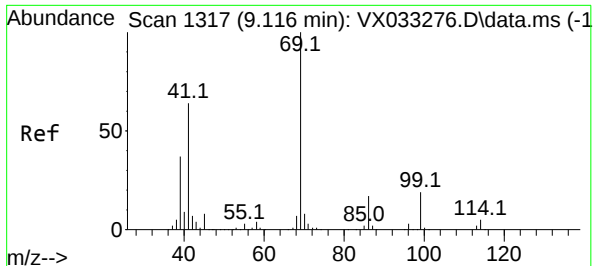
Tgt Ion: 75 Resp: 523
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 13.160 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033423.D
 Acq: 14 Dec 2022 16:39

Tgt Ion: 75 Resp: 28053
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 32.7 45.5 68.3#

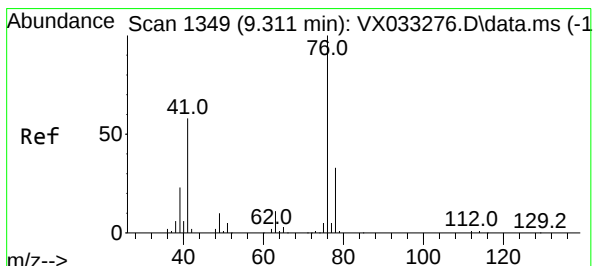
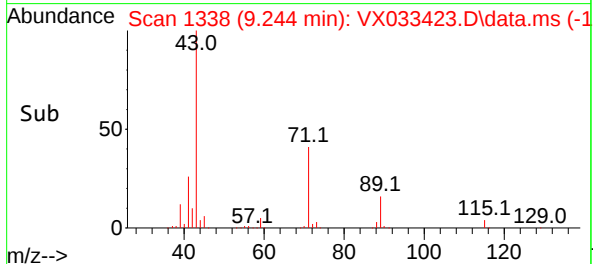
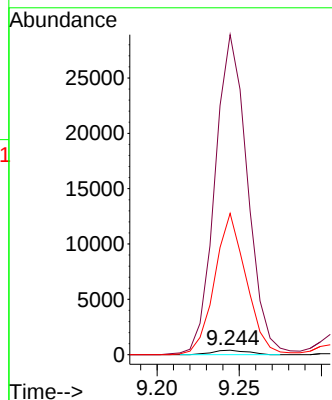
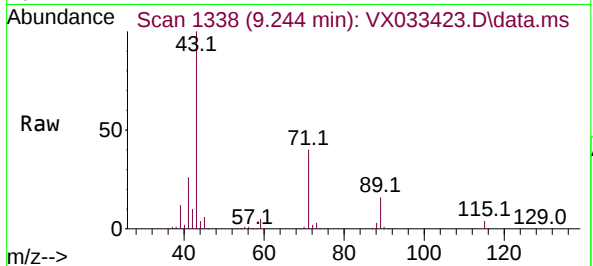




#56
Ethyl methacrylate
Concen: 0.295 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

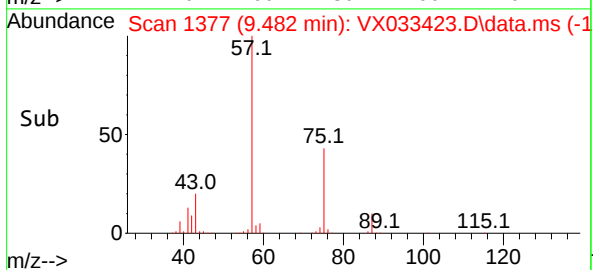
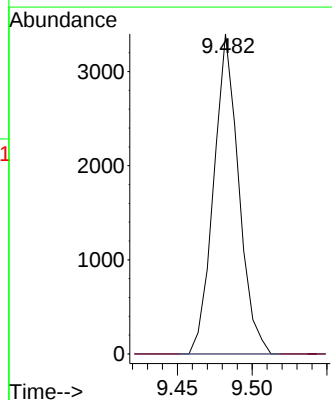
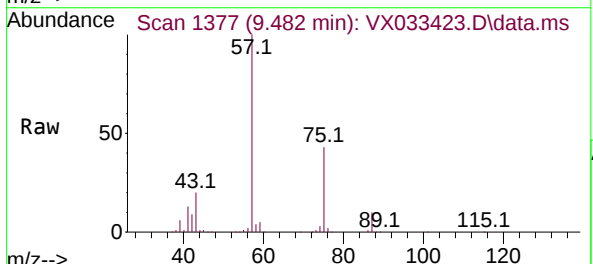
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

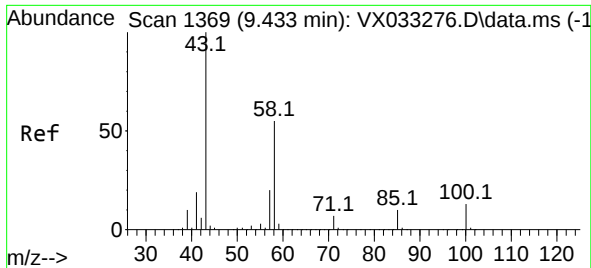
Tgt Ion: 69 Resp: 596
Ion Ratio Lower Upper
69 100
41 6712.6 54.3 81.5#
39 2877.0 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.717 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 76 Resp: 3954
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

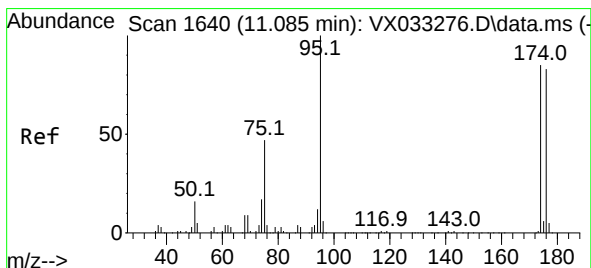
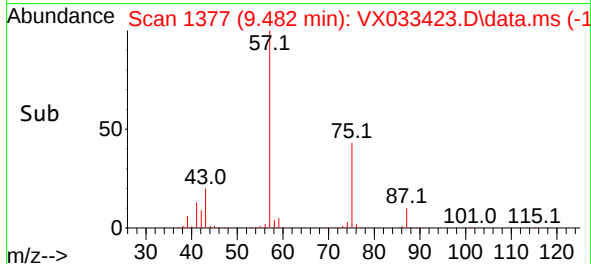
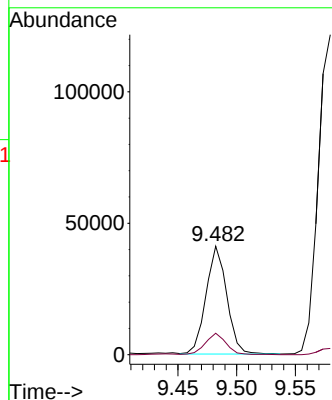
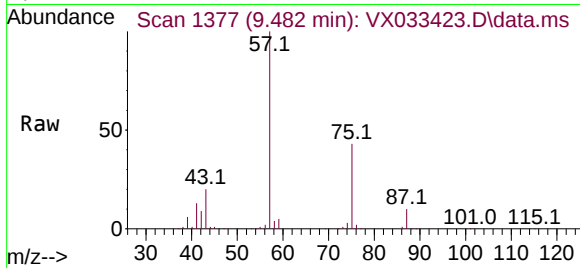




#59
2-Hexanone
Concen: 39.355 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

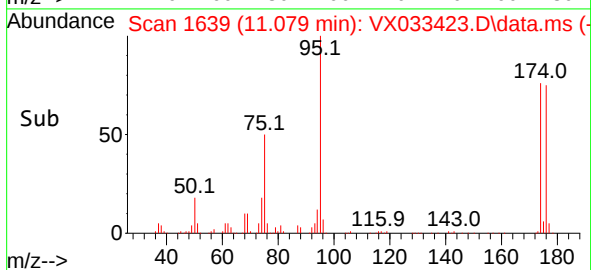
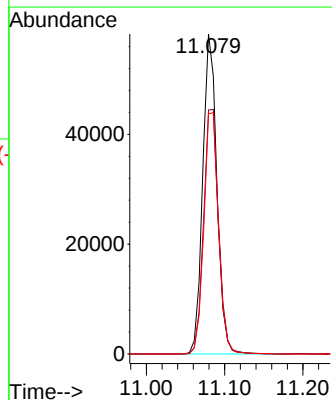
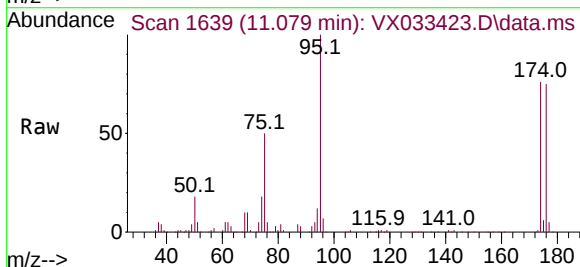
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

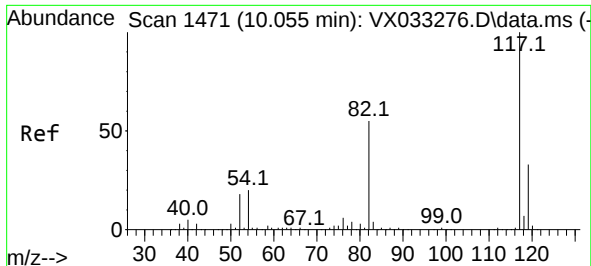
Tgt Ion: 43 Resp: 50467
Ion Ratio Lower Upper
43 100
58 19.9 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion: 95 Resp: 73058
Ion Ratio Lower Upper
95 100
174 80.9 0.0 164.0
176 78.1 0.0 154.4

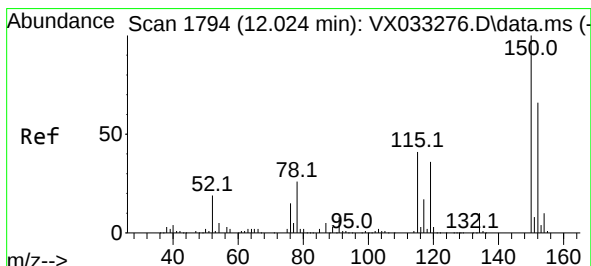
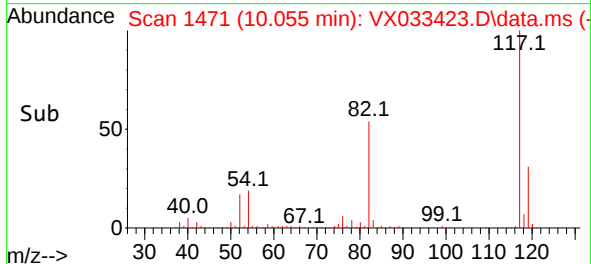
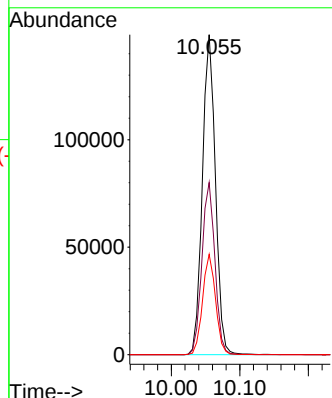
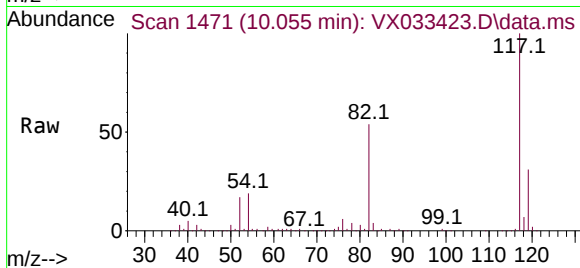




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

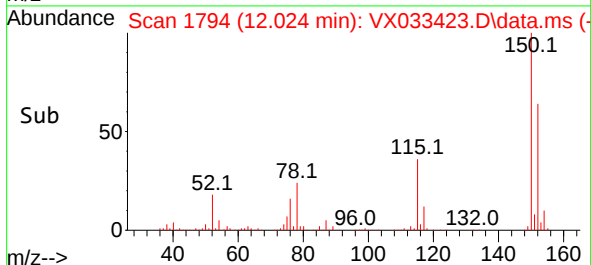
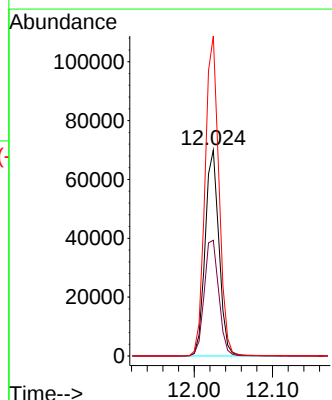
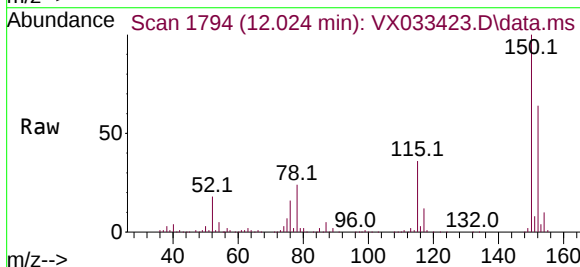
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

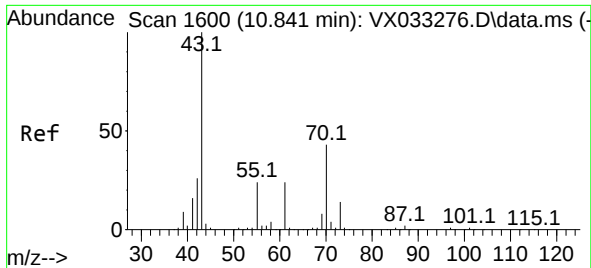
Tgt Ion:117 Resp: 197424
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion:152 Resp: 85544
Ion Ratio Lower Upper
152 100
115 59.3 44.0 132.0
150 156.1 0.0 351.8

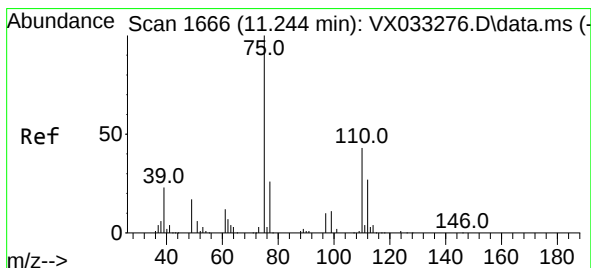
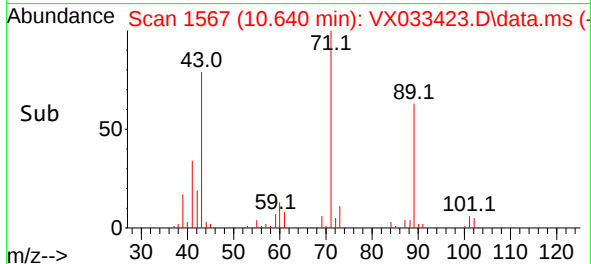
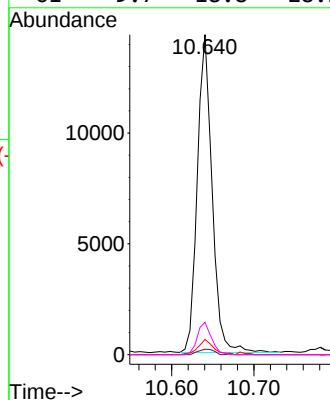
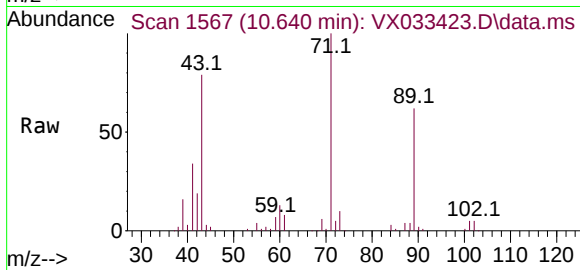




#74
N-amy1 acetate
Concen: 8.475 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

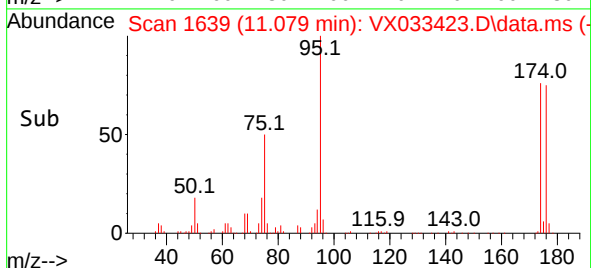
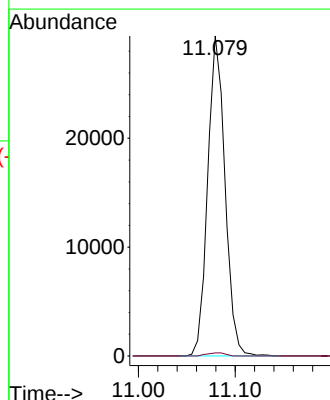
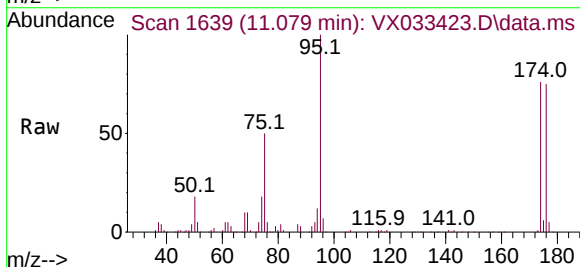
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#04

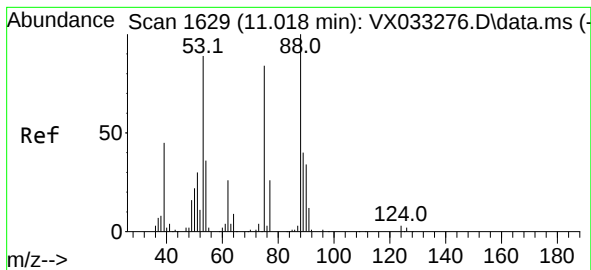
Tgt Ion:	43	Resp:	17929
Ion	Ratio	Lower	Upper
43	100		
70	1.9	33.6	50.4#
55	5.0	19.4	29.2#
61	9.7	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 21.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033423.D
Acq: 14 Dec 2022 16:39

Tgt Ion:	75	Resp:	36643
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.0	60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.493 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033423.D
 Acq: 14 Dec 2022 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#04

Tgt Ion: 75 Resp: 36643
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

