

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044959.D
 Acq On : 14 Feb 2025 14:20
 Operator : JC/MD
 Sample : PB166701TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB166701TB

Quant Time: Feb 14 22:14:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	79050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158335	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64501	55.741	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.480%			
35) Dibromofluoromethane	5.379	113	53471	51.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	8.647	98	199097	51.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	11.079	95	70644	53.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.660%			
Target Compounds						Qvalue
6) Chloroethane	1.642	64	93	1.488	ug/l #	42
11) Tert butyl alcohol	2.947	59	1324	6.168	ug/l #	73
13) Acrolein	2.233	56	82	0.370	ug/l #	70
16) Acetone	2.380	43	26548	57.070	ug/l	98
18) Methyl Acetate	2.709	43	1614	1.099	ug/l #	82
20) Methylene Chloride	2.782	84	1644	1.443	ug/l	90
25) 2-Butanone	4.587	43	2951	3.907	ug/l #	82
29) Tetrahydrofuran	5.025	42	122	0.243	ug/l #	46
31) Cyclohexane	5.544	56	2035	1.132	ug/l #	36
37) Ethyl Acetate	4.739	43	1788	1.082	ug/l #	72
38) Carbon Tetrachloride	5.538	117	8459	5.812	ug/l #	15
42) 1,2-Dichloroethane	6.342	62	370	0.250	ug/l #	74
43) Isopropyl Acetate	6.336	43	100208	37.564	ug/l	98
48) Methyl methacrylate	7.793	41	88179	70.103	ug/l #	44
49) 1,4-Dioxane	7.793	88	108	4.002	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	77664	47.888	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	713	0.455	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	33428	19.123	ug/l #	62
56) Ethyl methacrylate	9.244	69	571	0.333	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4321	2.326	ug/l #	42
59) 2-Hexanone	9.482	43	64394	55.107	ug/l #	51
74) N-amyl acetate	10.817	43	758	0.319	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	37363	25.814	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	37363	66.402	ug/l #	11

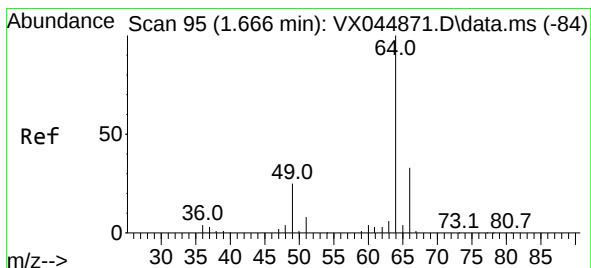
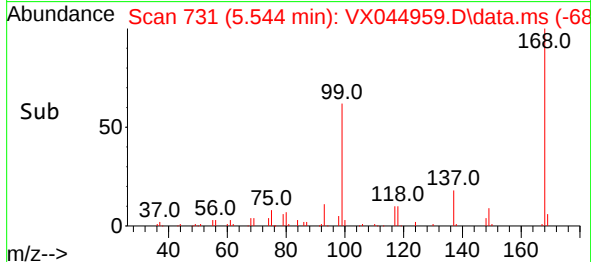
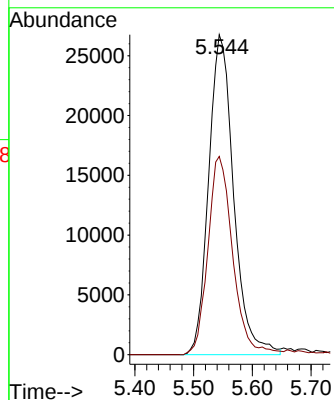
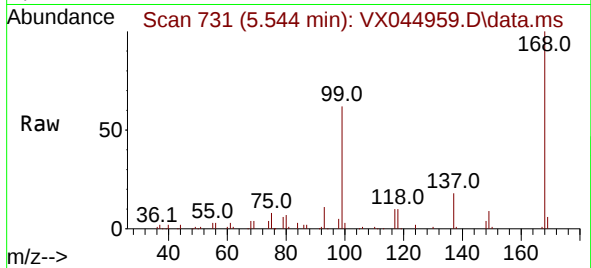
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

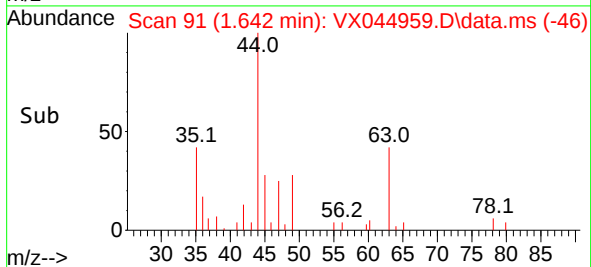
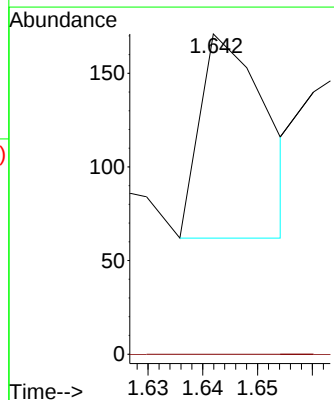
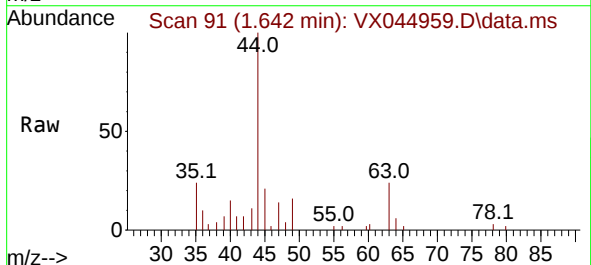
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

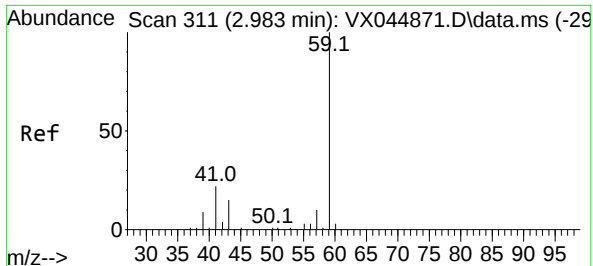
Tgt Ion:168 Resp: 79050
Ion Ratio Lower Upper
168 100
99 61.9 51.2 76.8



#6
Chloroethane
Concen: 1.488 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 64 Resp: 93
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 6.168 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.036 min

Lab File: VX044959.D

Acq: 14 Feb 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

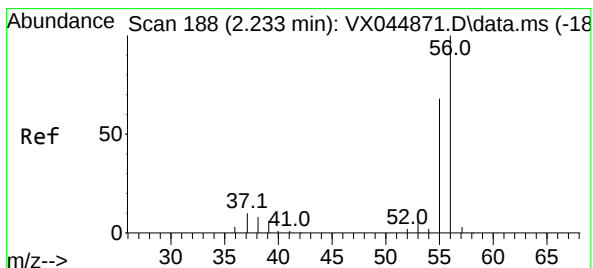
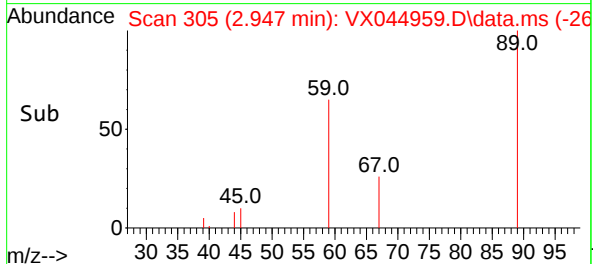
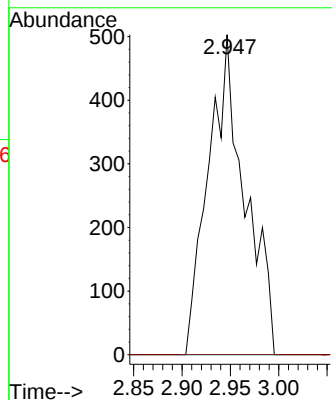
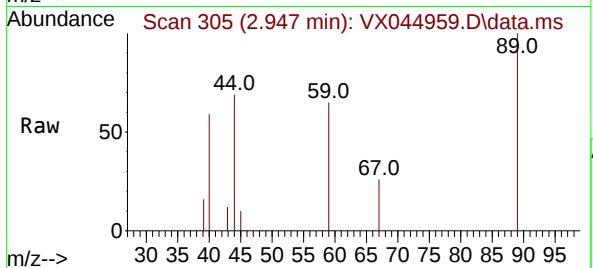
PB166701TB

Tgt Ion: 59 Resp: 1324

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.370 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044959.D

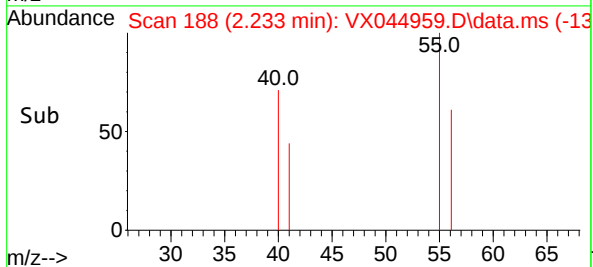
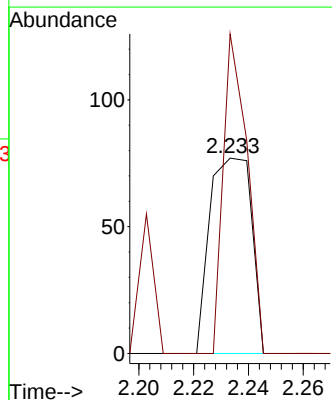
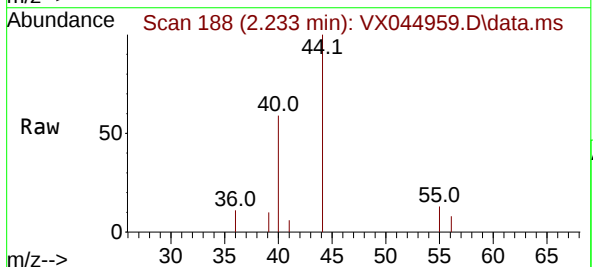
Acq: 14 Feb 2025 14:20

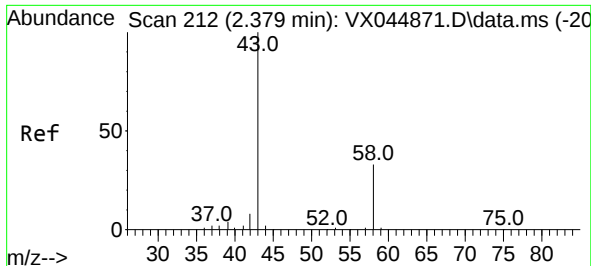
Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 93.9 55.7 83.5#

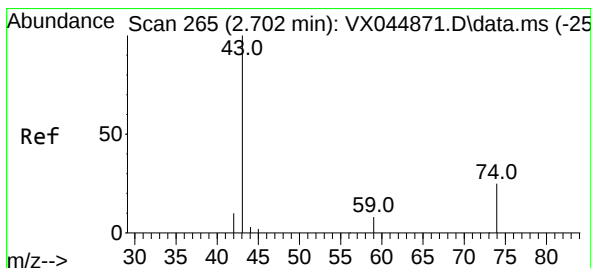
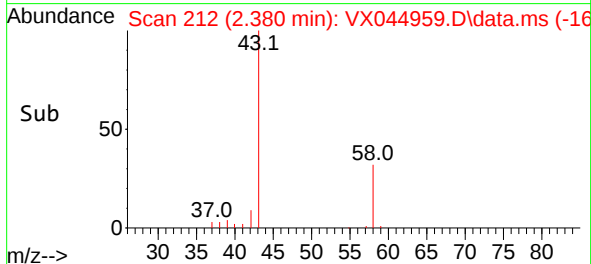
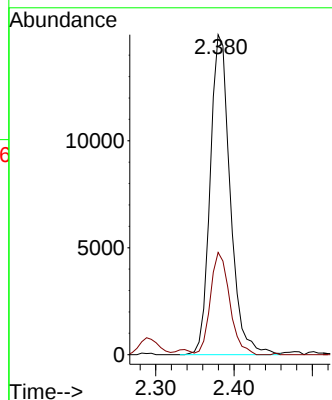
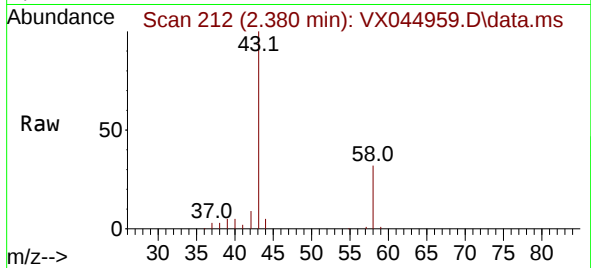




#16
Acetone
Concen: 57.070 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

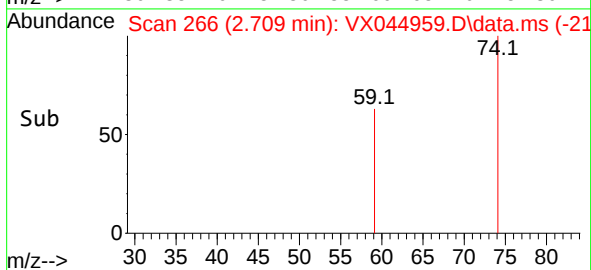
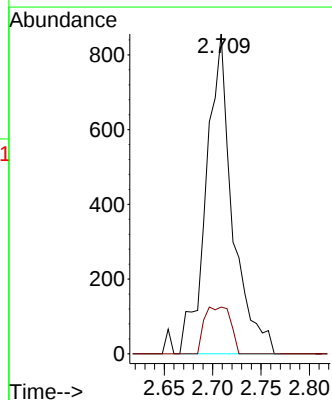
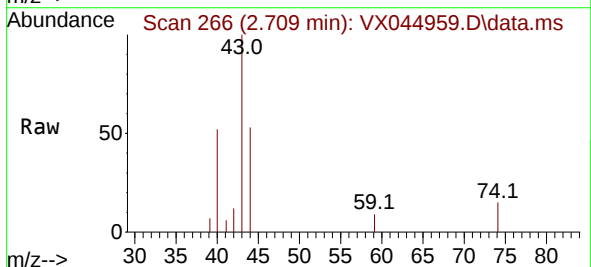
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

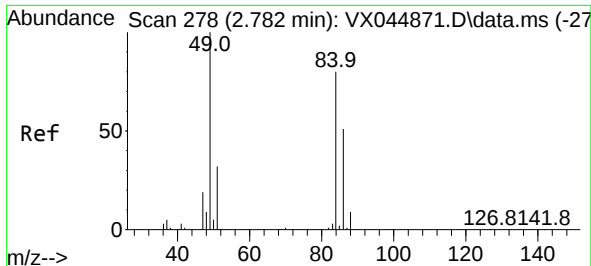
Tgt Ion: 43 Resp: 26548
Ion Ratio Lower Upper
43 100
58 31.9 26.5 39.7



#18
Methyl Acetate
Concen: 1.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
74 14.6 18.9 28.3#

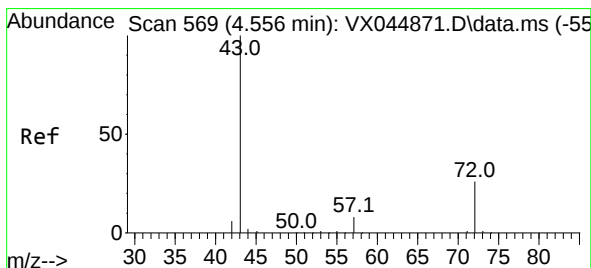
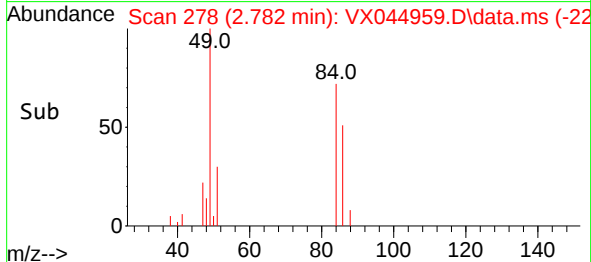
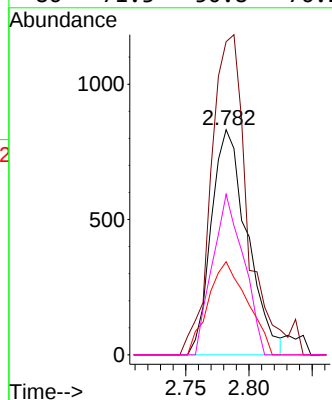
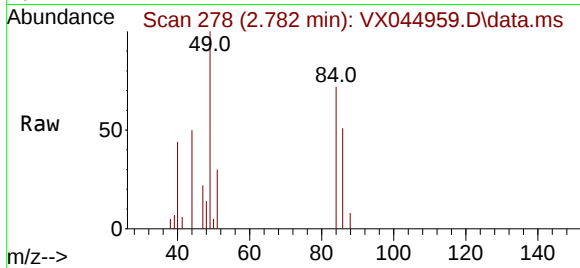




#20
Methylene Chloride
Concen: 1.443 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

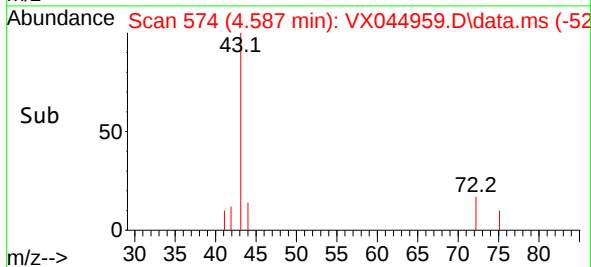
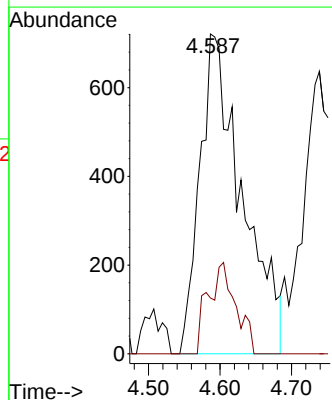
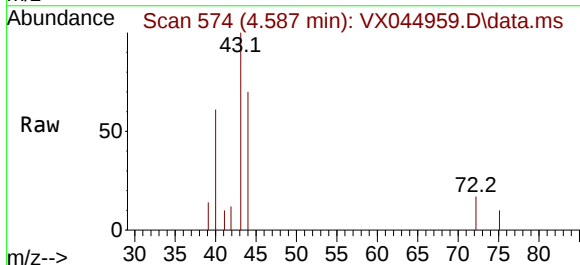
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

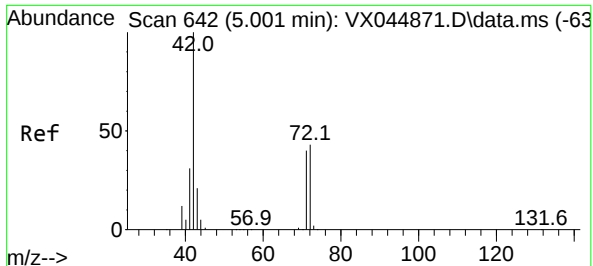
Tgt Ion:	84	Resp:	1644
Ion	Ratio	Lower	Upper
84	100		
49	139.1	100.1	150.1
51	41.3	31.7	47.5
86	71.3	50.8	76.2



#25
2-Butanone
Concen: 3.907 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion:	43	Resp:	2951
Ion	Ratio	Lower	Upper
43	100		
72	17.5	21.2	31.8#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.025 min

Lab File: VX044959.D

Acq: 14 Feb 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

PB166701TB

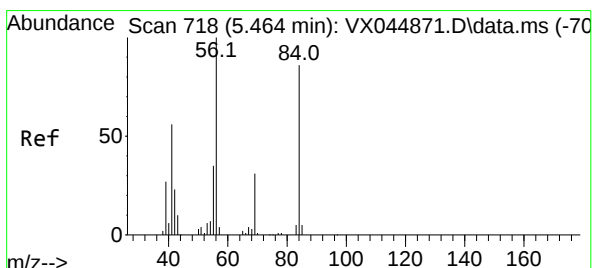
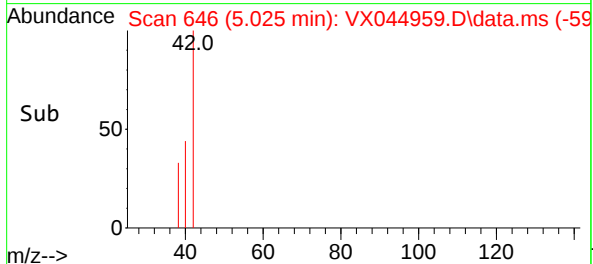
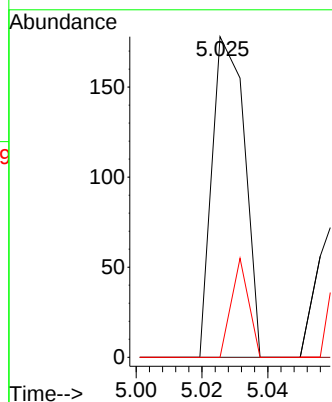
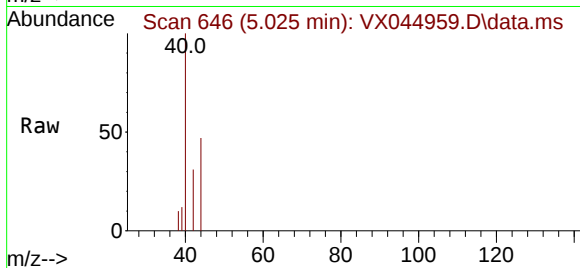
Tgt Ion: 42 Resp: 122

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 16.4 32.6 48.8#



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.080 min

Lab File: VX044959.D

Acq: 14 Feb 2025 14:20

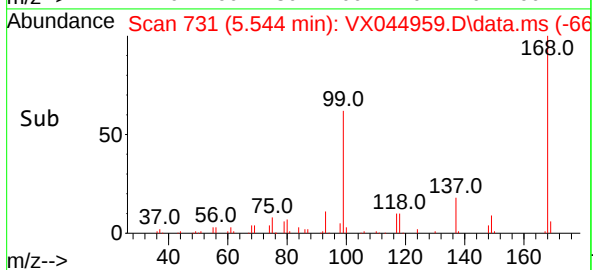
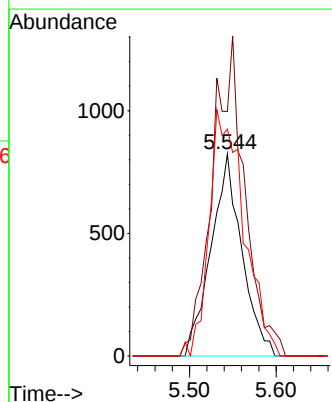
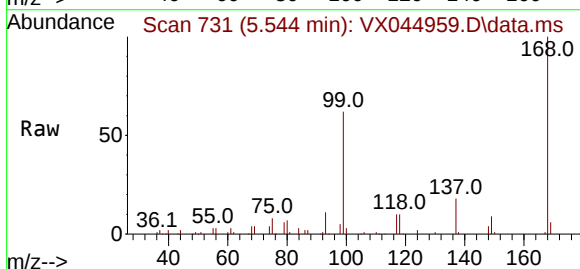
Tgt Ion: 56 Resp: 2035

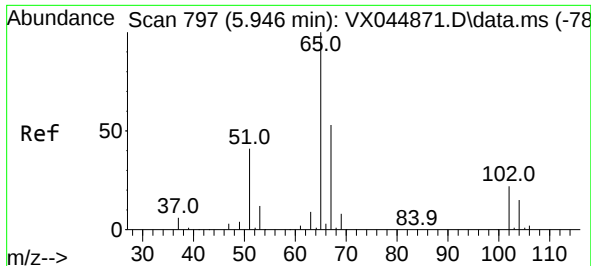
Ion Ratio Lower Upper

56 100

69 121.0 24.4 36.6#

84 112.3 69.0 103.6#

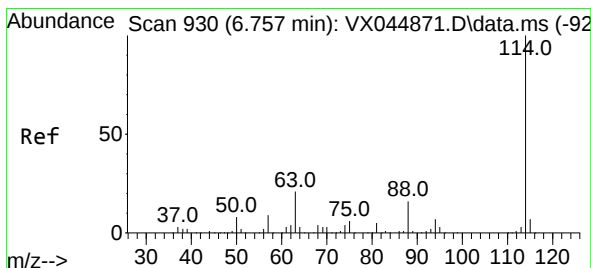
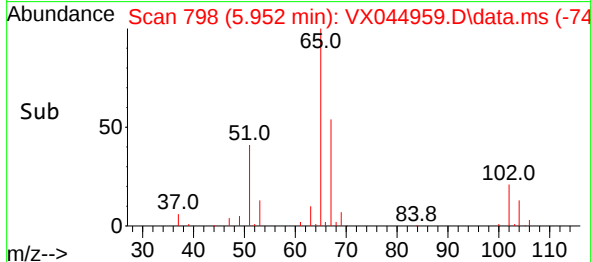
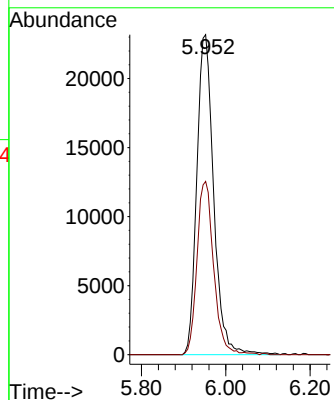
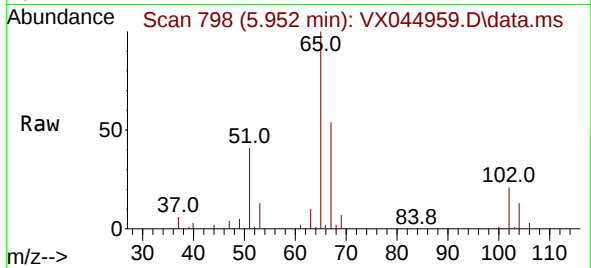




#33
 1,2-Dichloroethane-d4
 Concen: 55.741 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044959.D
 Acq: 14 Feb 2025 14:20

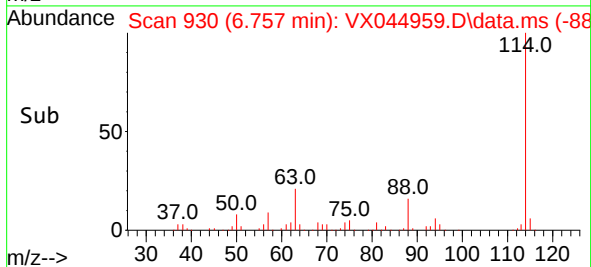
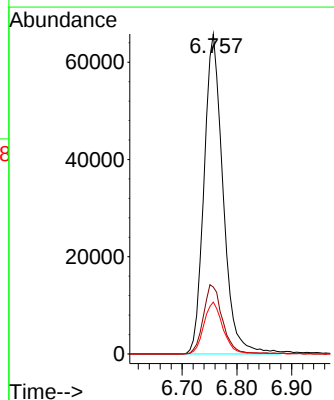
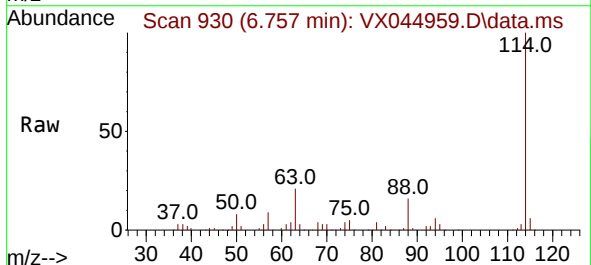
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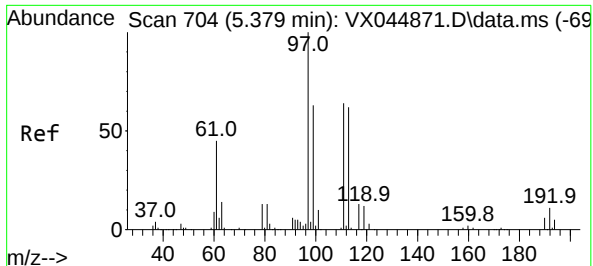
Tgt Ion: 65 Resp: 64501
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044959.D
 Acq: 14 Feb 2025 14:20

Tgt Ion: 114 Resp: 158335
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.942 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044959.D

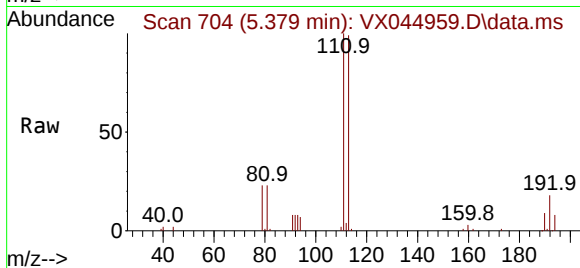
Acq: 14 Feb 2025 14:20

Instrument :

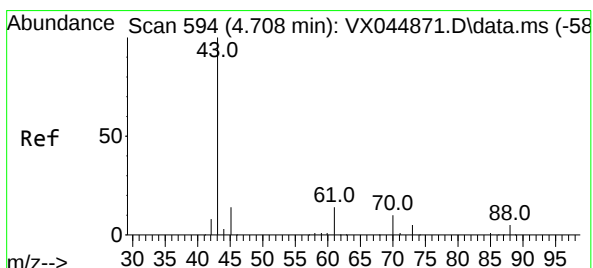
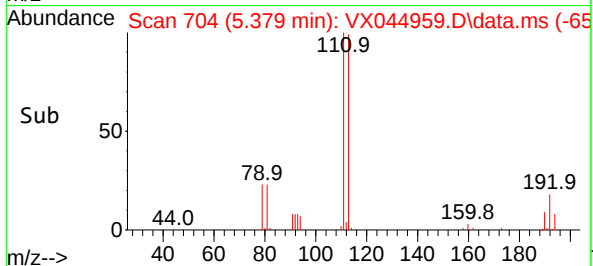
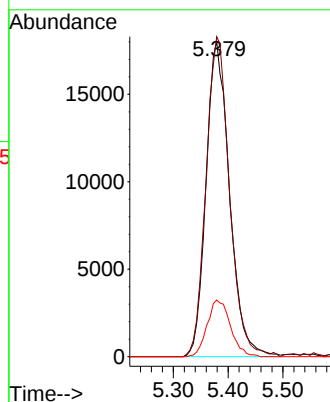
MSVOA_X

ClientSampleId :

PB166701TB



Tgt Ion:	113	Resp:	53471
Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.5	125.3
192	17.9	14.4	21.6



#37

Ethyl Acetate

Concen: 1.082 ug/l

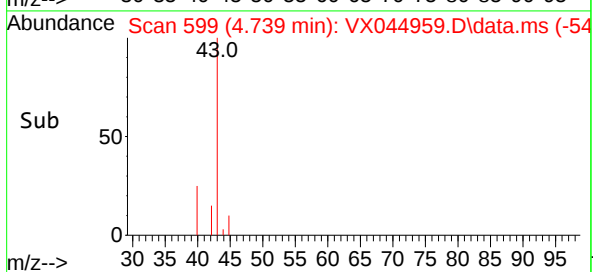
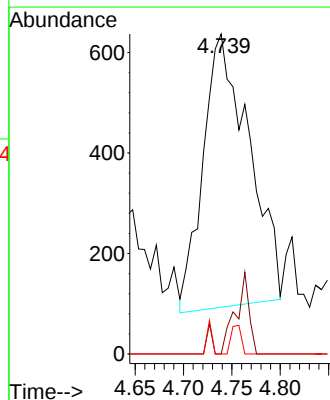
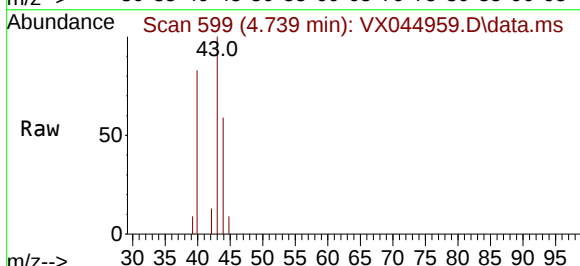
RT: 4.739 min Scan# 599

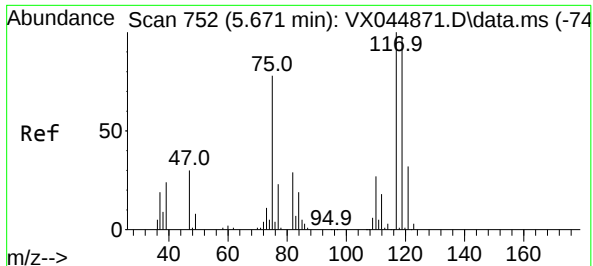
Delta R.T. 0.031 min

Lab File: VX044959.D

Acq: 14 Feb 2025 14:20

Tgt Ion:	43	Resp:	1788
Ion	Ratio	Lower	Upper
43	100		
61	1.2	11.0	16.4#
70	1.4	8.2	12.2#

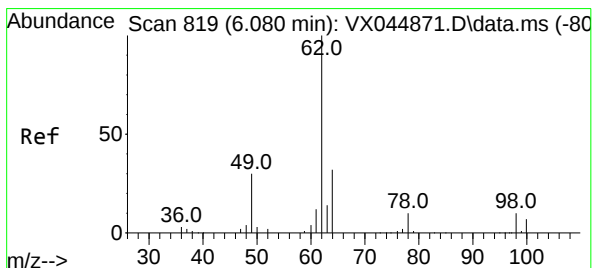
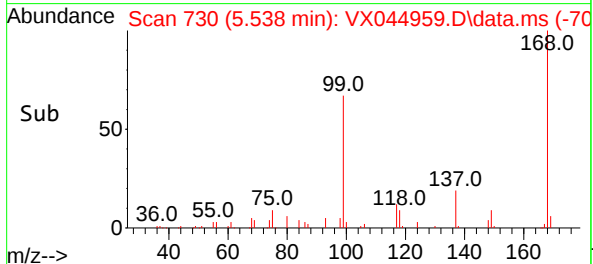
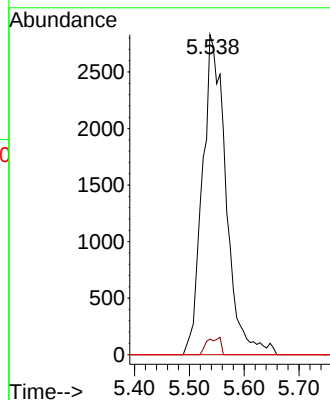
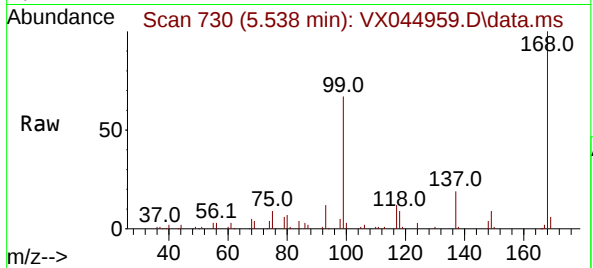




#38
Carbon Tetrachloride
Concen: 5.812 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

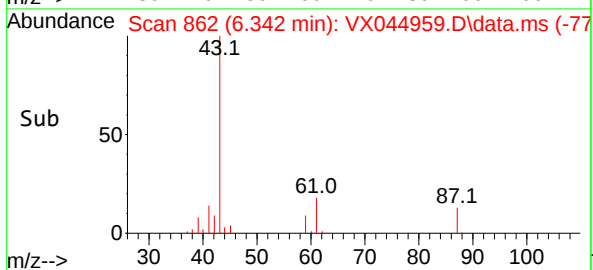
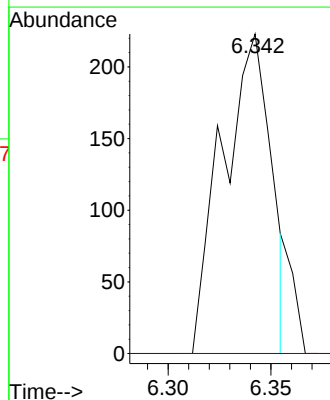
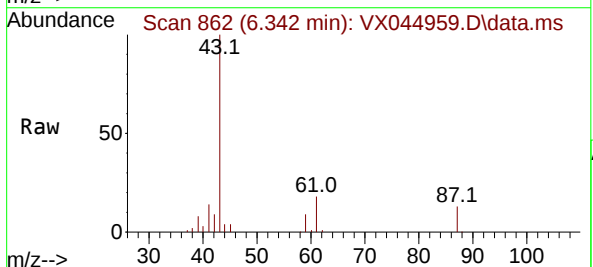
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

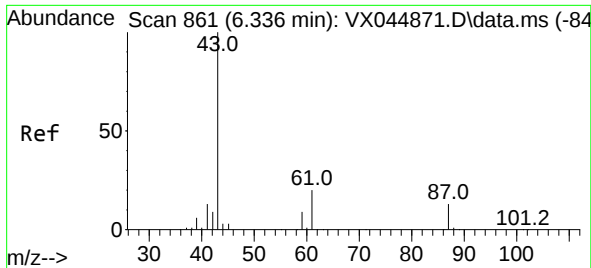
Tgt Ion:117 Resp: 8459
Ion Ratio Lower Upper
117 100
119 4.9 77.5 116.3#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.262 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 62 Resp: 370
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

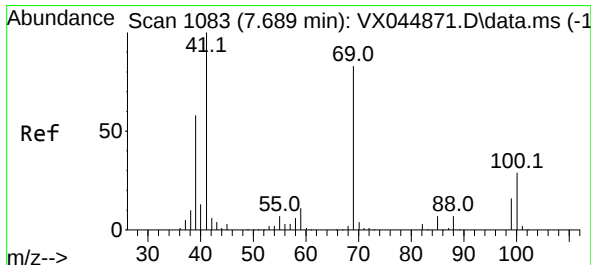
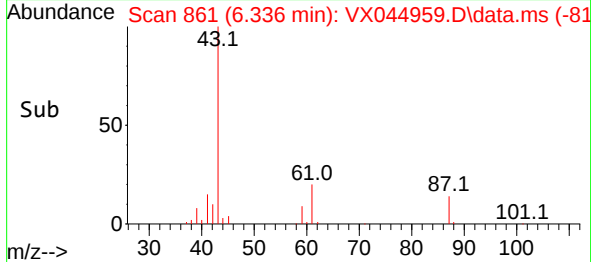
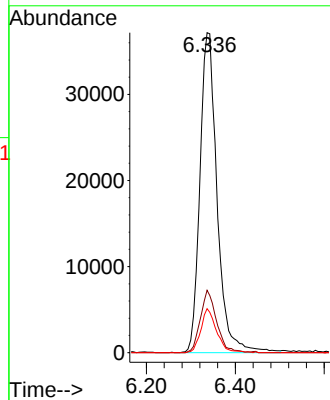
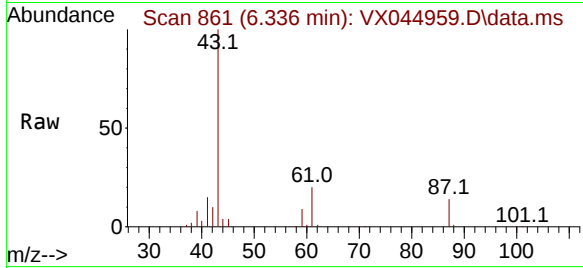




#43
Isopropyl Acetate
Concen: 37.564 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

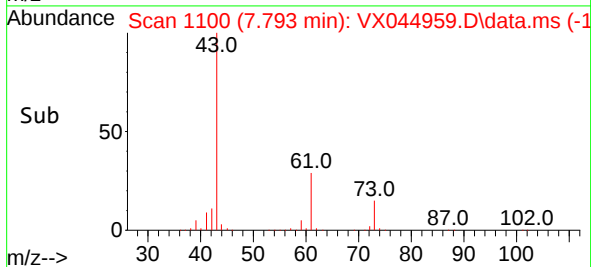
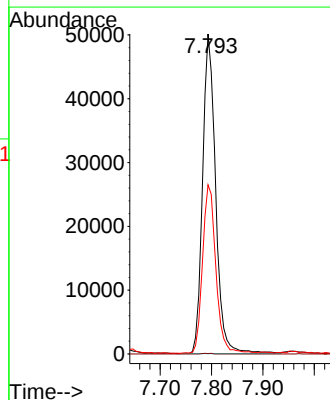
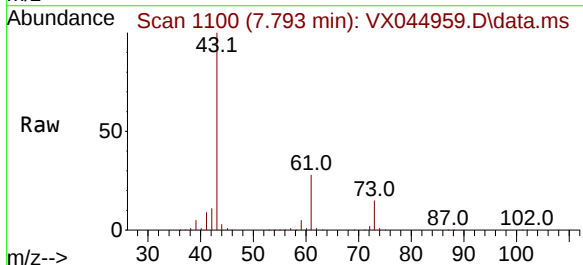
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

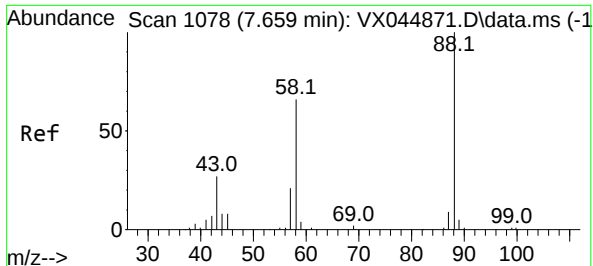
Tgt Ion: 43 Resp: 100208
Ion Ratio Lower Upper
43 100
61 18.4 15.8 23.8
87 12.6 10.0 15.0



#48
Methyl methacrylate
Concen: 70.103 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 41 Resp: 88179
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 53.7 46.4 69.6





#49

1,4-Dioxane

Concen: 4.002 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX044959.D

Acq: 14 Feb 2025 14:20

Instrument :

MSVOA_X

ClientSampleId :

PB166701TB

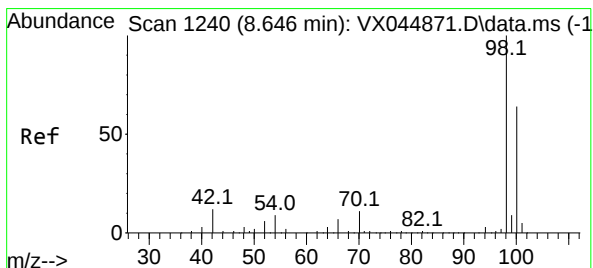
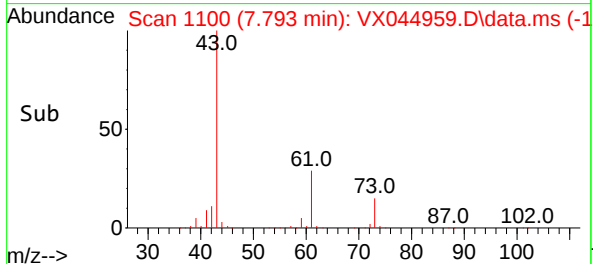
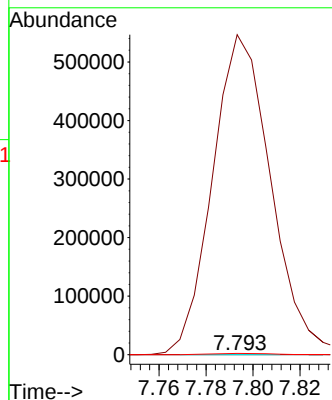
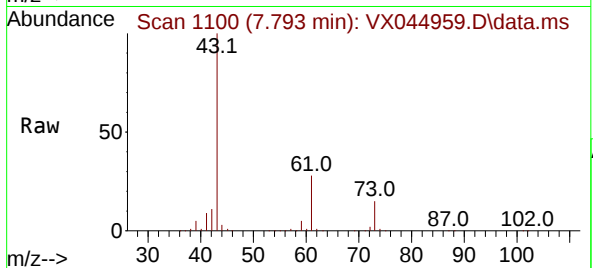
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 894898.1 26.6 39.8#

58 3741.7 55.9 83.9#



#50

Toluene-d8

Concen: 51.146 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044959.D

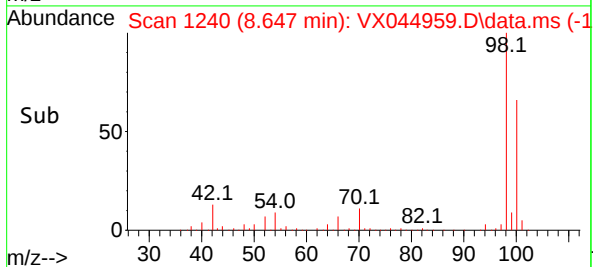
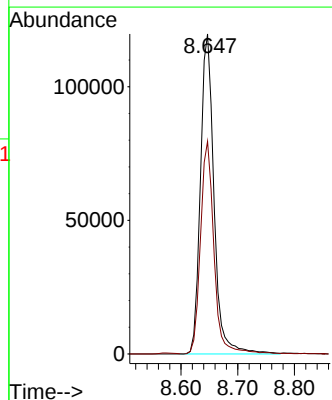
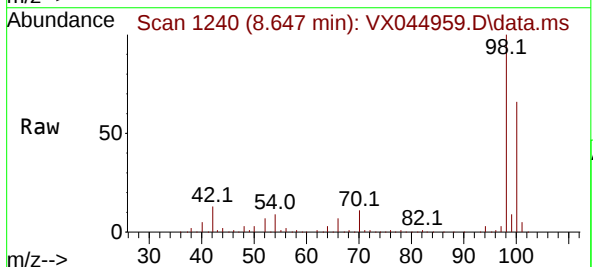
Acq: 14 Feb 2025 14:20

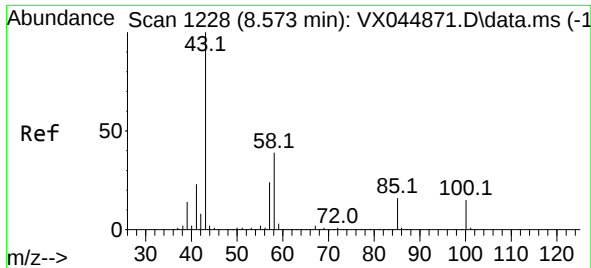
Tgt Ion: 98 Resp: 199097

Ion Ratio Lower Upper

98 100

100 66.1 52.7 79.1

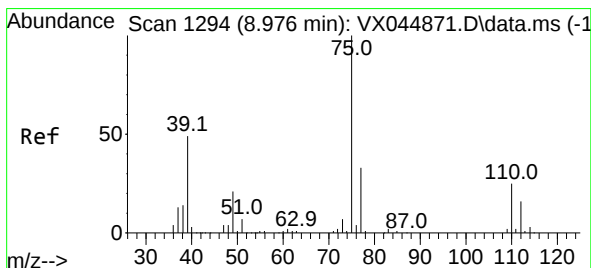
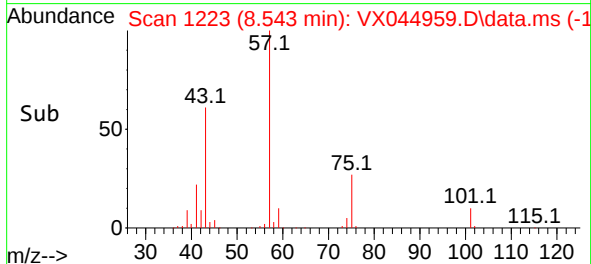
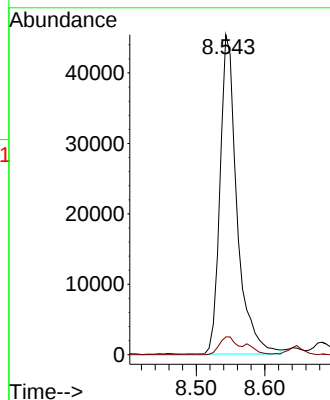
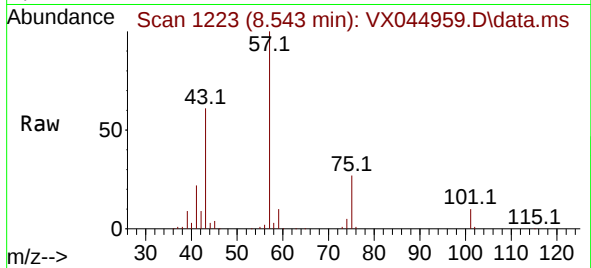




#51
4-Methyl-2-Pentanone
Concen: 47.888 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

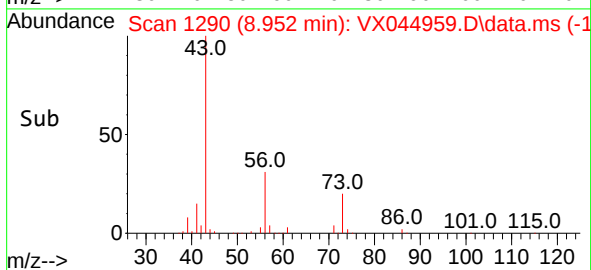
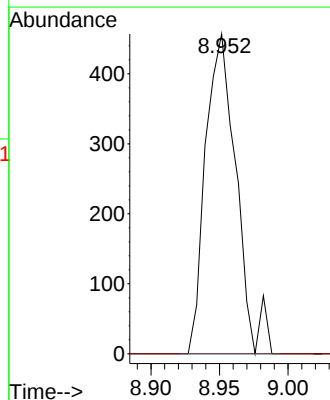
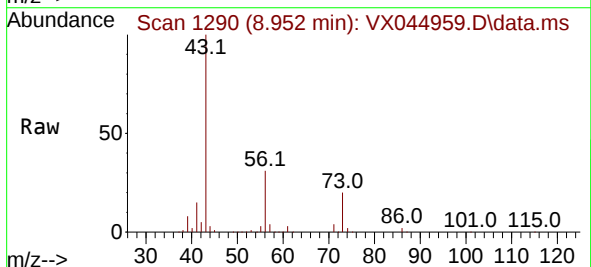
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

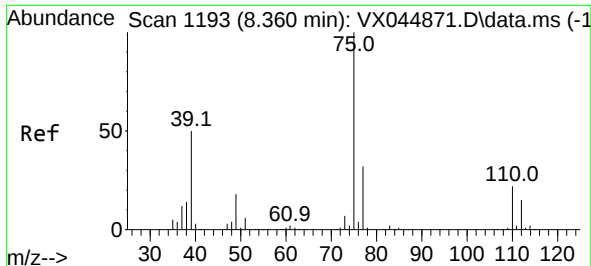
Tgt Ion: 43 Resp: 77664
Ion Ratio Lower Upper
43 100
58 5.9 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.455 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 75 Resp: 713
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

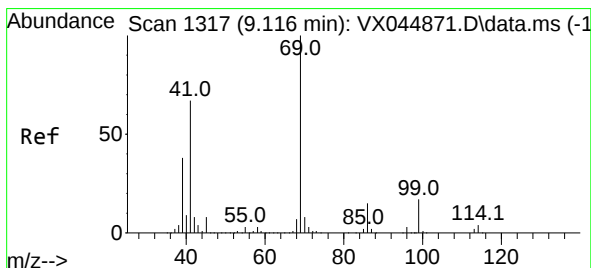
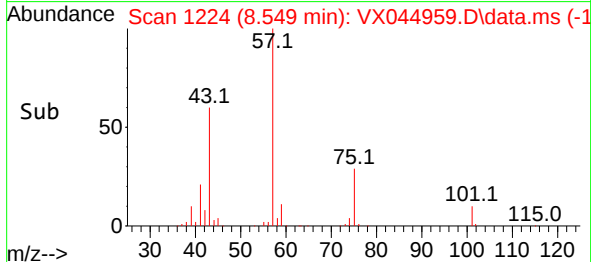
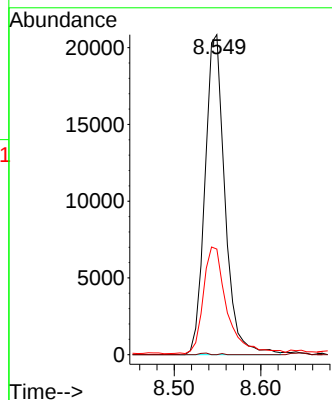
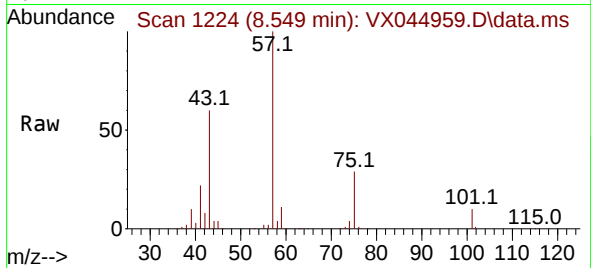




#54
 cis-1,3-Dichloropropene
 Concen: 19.123 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX044959.D
 Acq: 14 Feb 2025 14:20

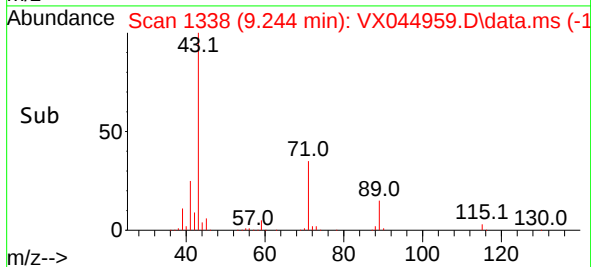
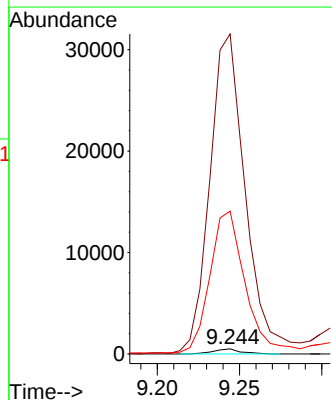
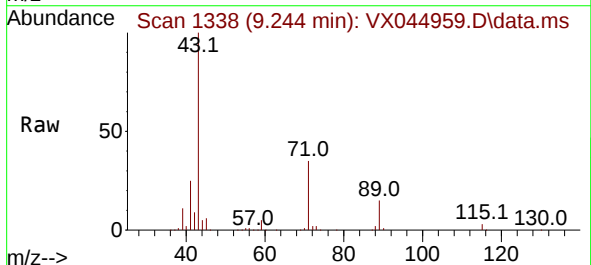
Instrument :
 MSVOA_X
 ClientSampleId :
 PB166701TB

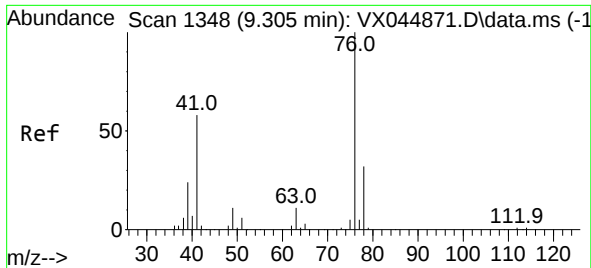
Tgt Ion: 75 Resp: 33428
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 32.5 40.0 60.0#



#56
 Ethyl methacrylate
 Concen: 0.333 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX044959.D
 Acq: 14 Feb 2025 14:20

Tgt Ion: 69 Resp: 571
 Ion Ratio Lower Upper
 69 100
 41 8386.0 55.2 82.8#
 39 3657.8 30.8 46.2#

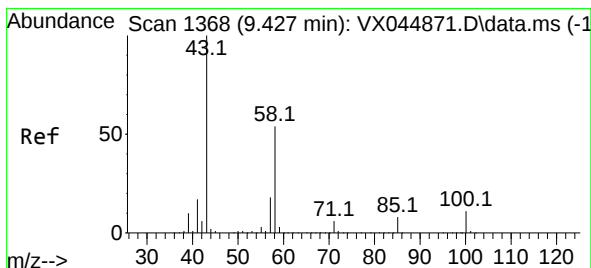
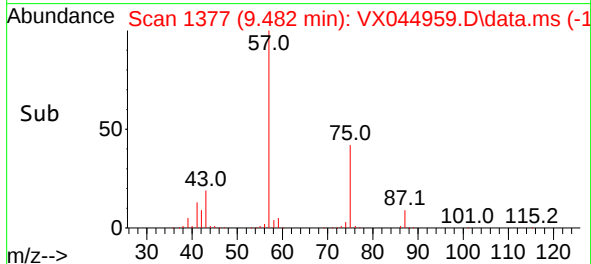
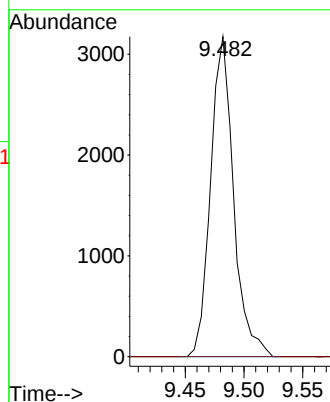
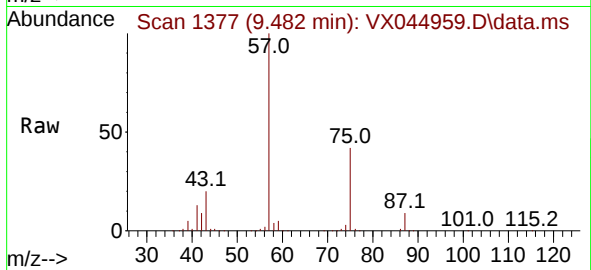




#57
1,3-Dichloropropane
Concen: 2.326 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

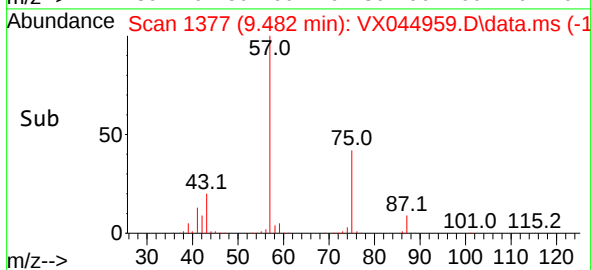
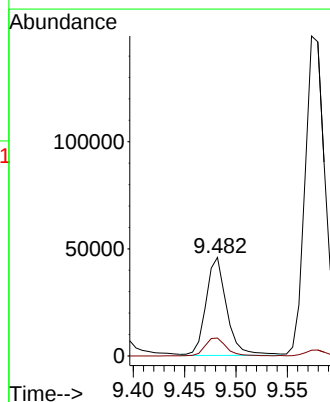
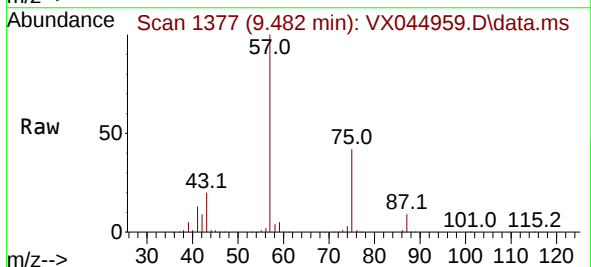
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

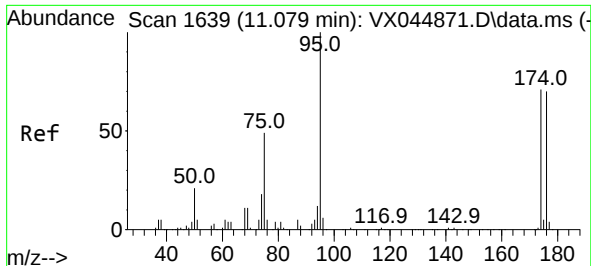
Tgt Ion: 76 Resp: 4321
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 55.107 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 43 Resp: 64394
Ion Ratio Lower Upper
43 100
58 19.2 27.5 82.4#

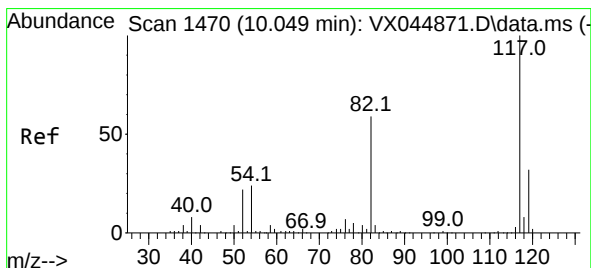
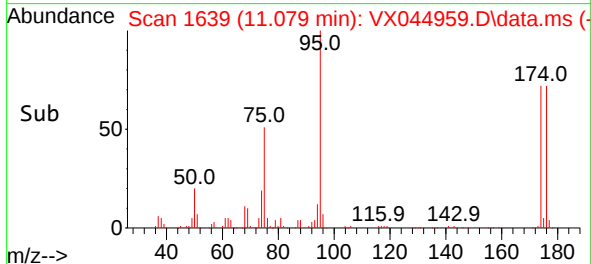
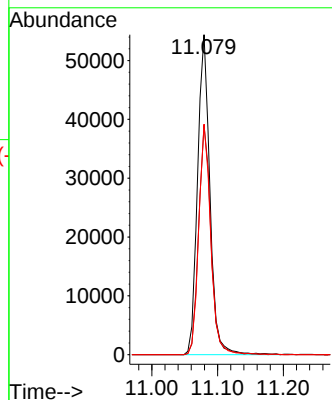
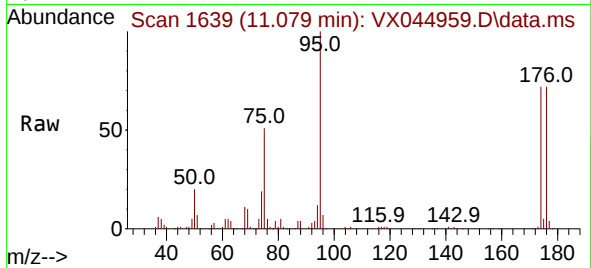




#62
4-Bromofluorobenzene
Concen: 53.831 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

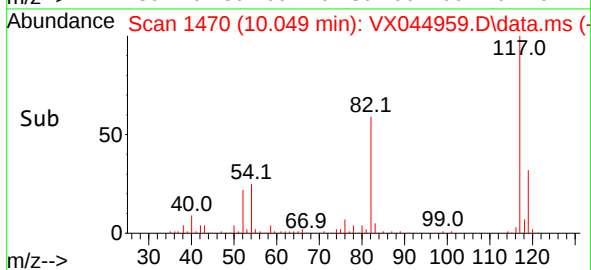
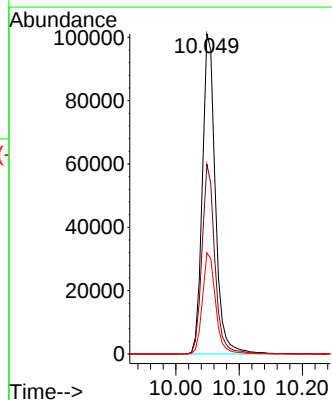
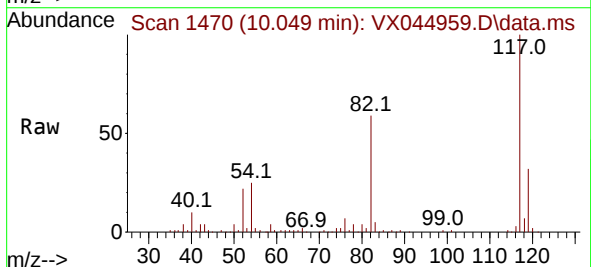
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

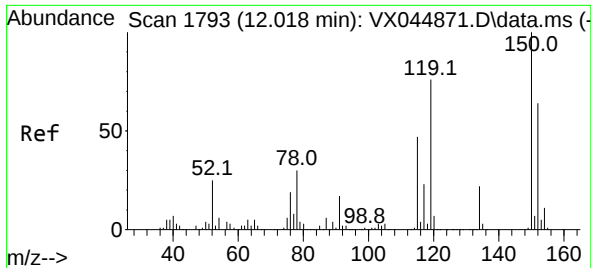
Tgt Ion: 95 Resp: 70644
Ion Ratio Lower Upper
95 100
174 71.2 0.0 142.6
176 70.2 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 117 Resp: 145238
Ion Ratio Lower Upper
117 100
82 59.3 47.5 71.3
119 31.6 25.4 38.0

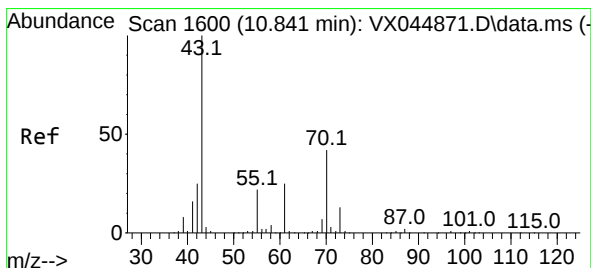
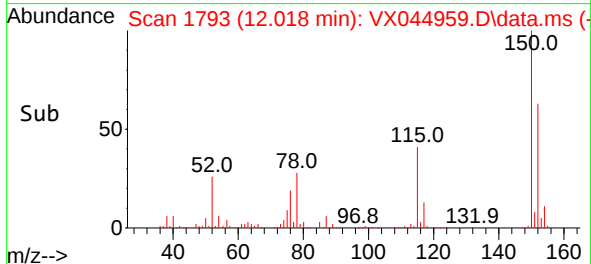
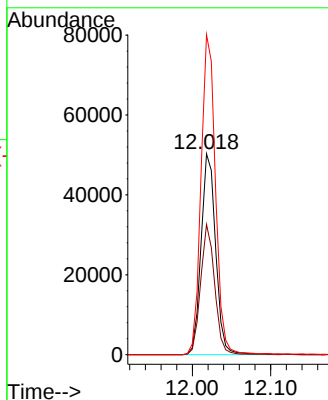
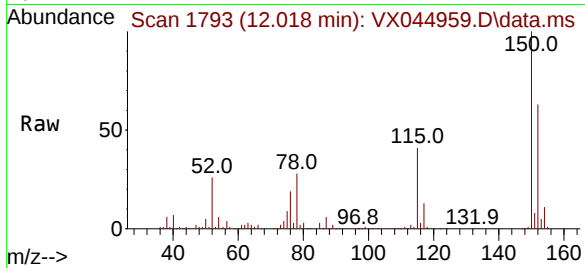




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

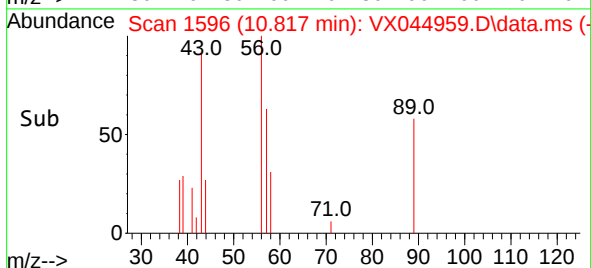
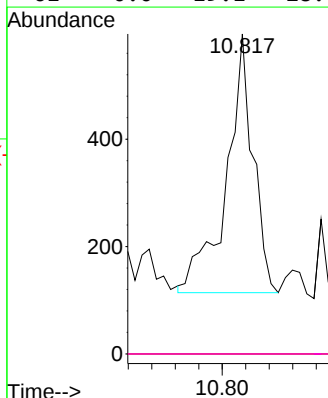
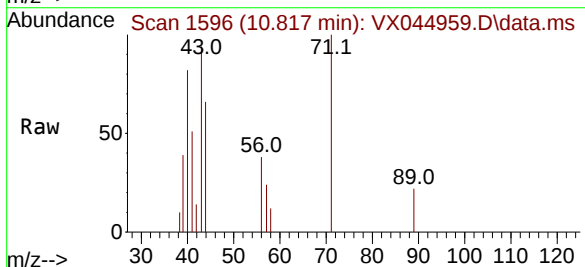
Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

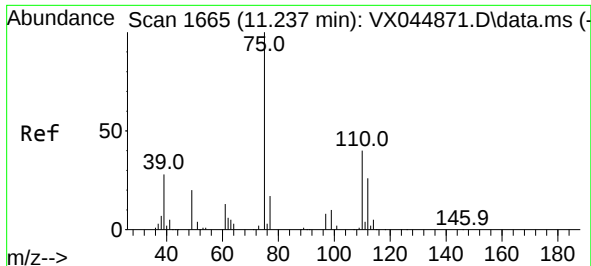
Tgt Ion:152 Resp: 65283
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.1
150 157.8 0.0 350.4



#74
N-ethyl acetate
Concen: 0.319 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
70 0.0 33.7 50.5#
55 0.0 18.6 27.8#
61 0.0 19.1 28.7#

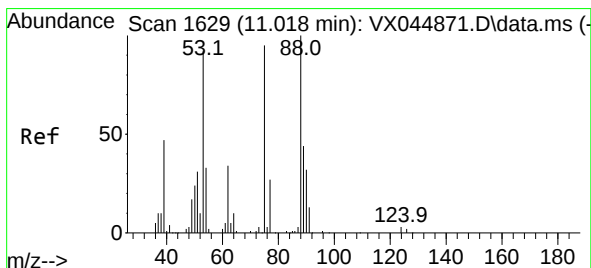
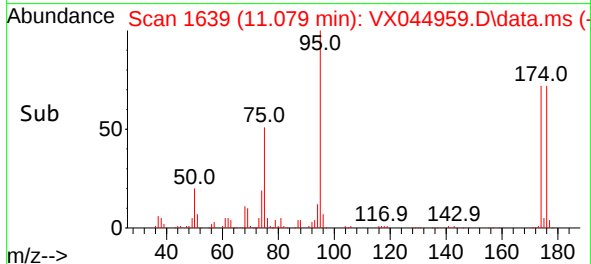
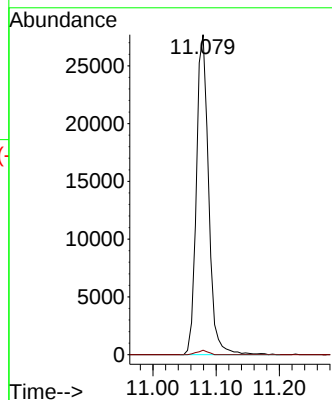
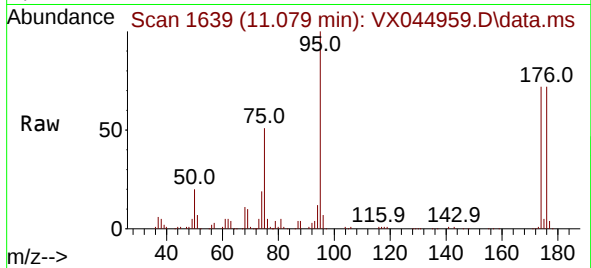




#76
1,2,3-Trichloropropane
Concen: 25.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Instrument :
MSVOA_X
ClientSampleId :
PB166701TB

Tgt Ion: 75 Resp: 37363
Ion Ratio Lower Upper
75 100
77 1.3 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044959.D
Acq: 14 Feb 2025 14:20

Tgt Ion: 75 Resp: 37363
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

