

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046170.D
 Acq On : 13 May 2025 16:45
 Operator : JC/MD
 Sample : Q2007-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-13

Quant Time: May 14 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

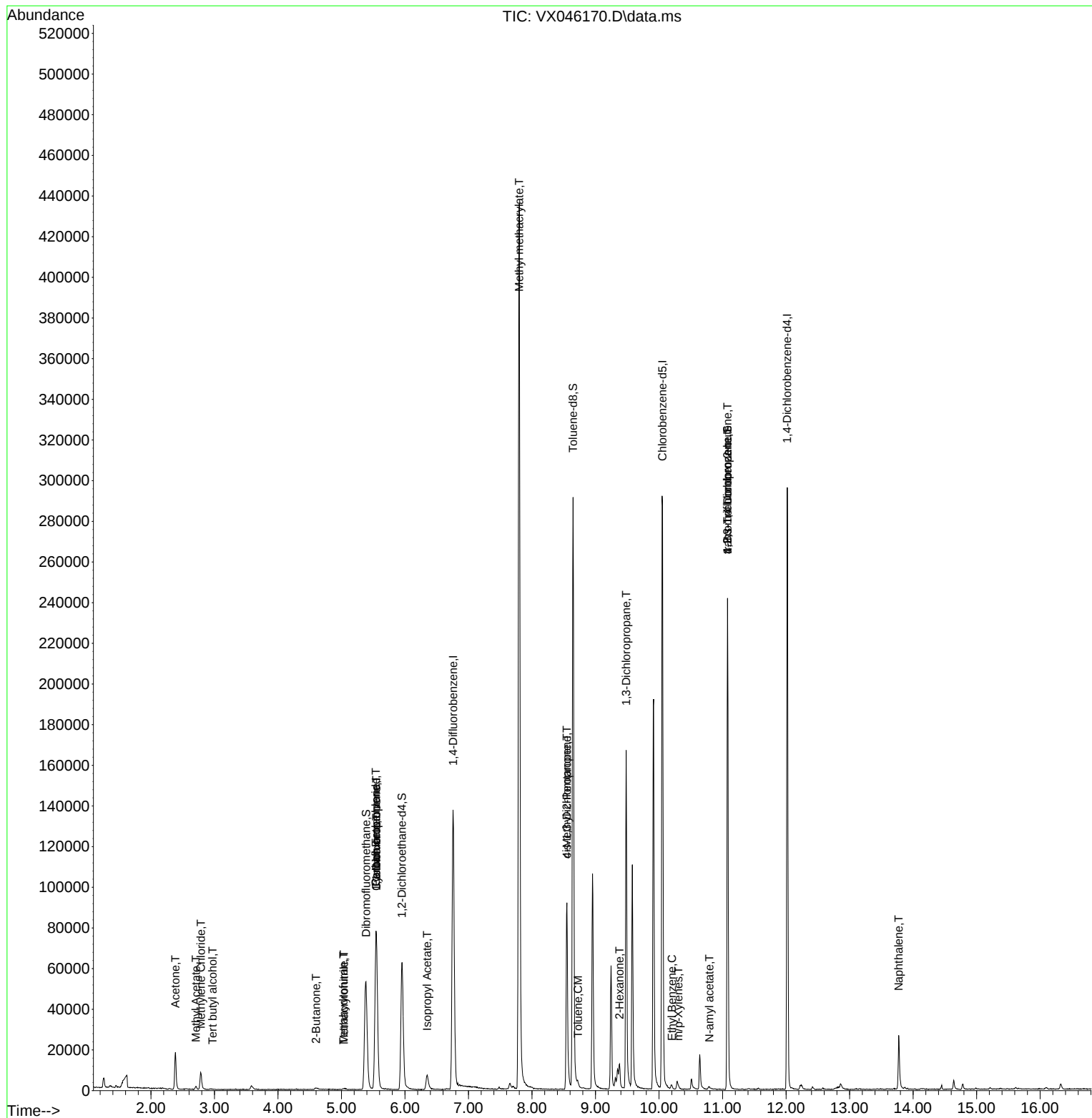
Internal Standards						
1) Pentafluorobenzene	5.544	168	67198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64518	51.500	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.000%	
35) Dibromofluoromethane	5.385	113	47369	49.385	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.780%	
50) Toluene-d8	8.647	98	166010	50.006	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	11.079	95	63896	50.176	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	135	0.768	ug/l #	72
16) Acetone	2.386	43	19498	38.817	ug/l	97
18) Methyl Acetate	2.709	43	1884	1.616	ug/l	95
20) Methylene Chloride	2.788	84	4274	4.440	ug/l #	78
25) 2-Butanone	4.599	43	1856	2.545	ug/l	99
29) Tetrahydrofuran	5.031	42	238	0.521	ug/l #	55
31) Cyclohexane	5.550	56	1997	1.338	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	6632	5.146	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7927	5.474	ug/l #	15
41) Methacrylonitrile	5.038	41	338	0.406	ug/l #	31
43) Isopropyl Acetate	6.348	43	10670	4.393	ug/l	98
48) Methyl methacrylate	7.799	41	42990	34.654	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	36375	22.560	ug/l #	52
52) Toluene	8.726	92	627	0.271	ug/l	92
54) cis-1,3-Dichloropropene	8.549	75	14377	10.037	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1261	0.769	ug/l #	42
59) 2-Hexanone	9.378	43	11531	9.666	ug/l #	28
67) Ethyl Benzene	10.201	91	1603	0.338	ug/l	92
68) m/p-Xylenes	10.305	106	426	0.246	ug/l	93
74) N-amyl acetate	10.793	43	1206	0.571	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36772	27.842	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36772	90.646	ug/l #	1
95) Naphthalene	13.774	128	19547	5.109	ug/l	100

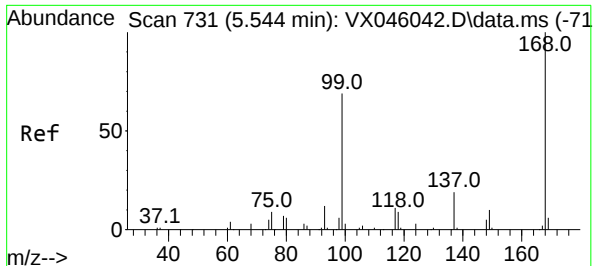
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

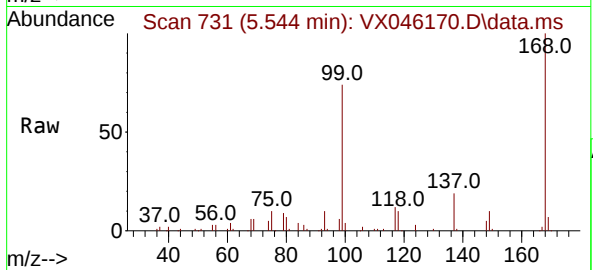
Quant Time: May 14 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



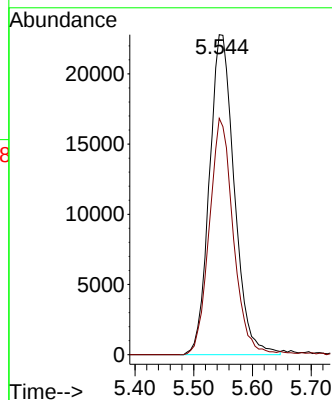
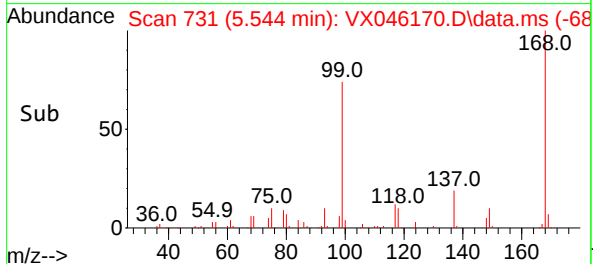


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

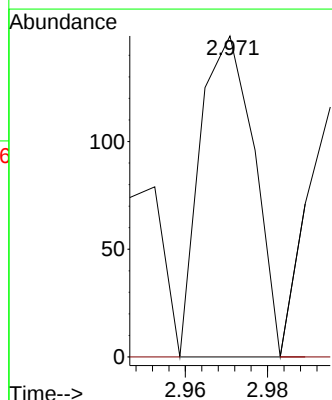
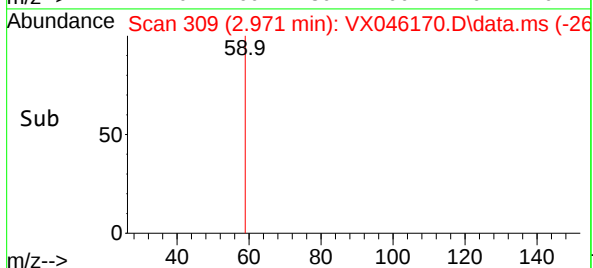
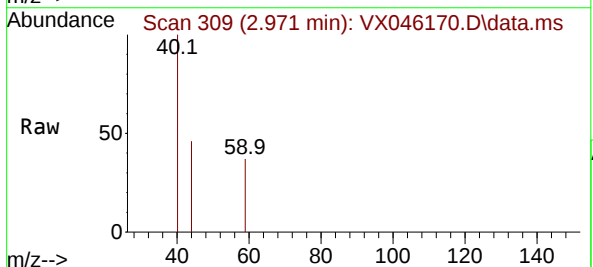


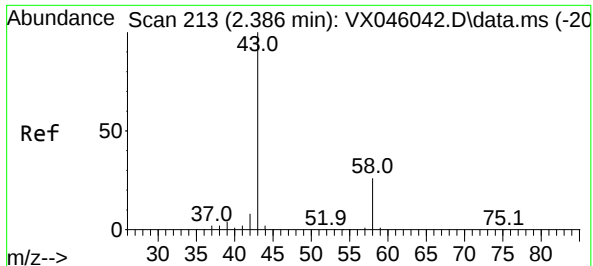
Tgt Ion:168 Resp: 67198
Ion Ratio Lower Upper
168 100
99 73.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.768 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

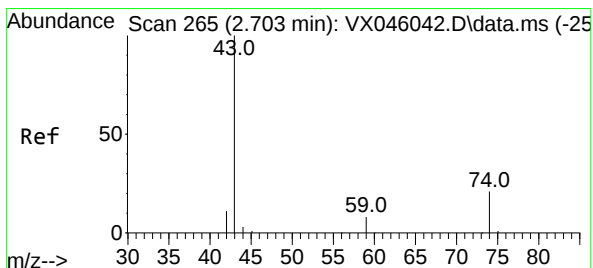
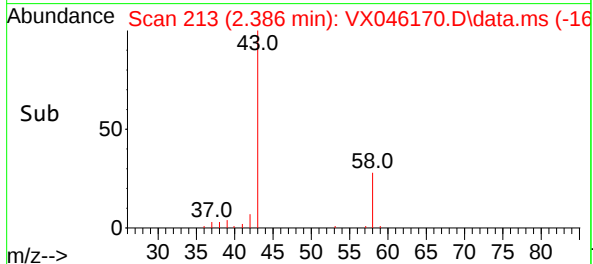
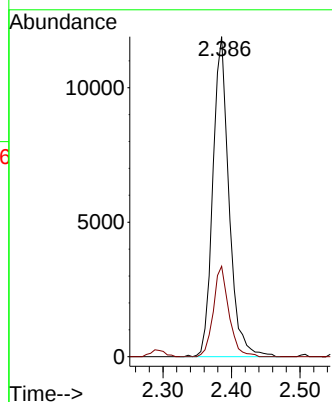
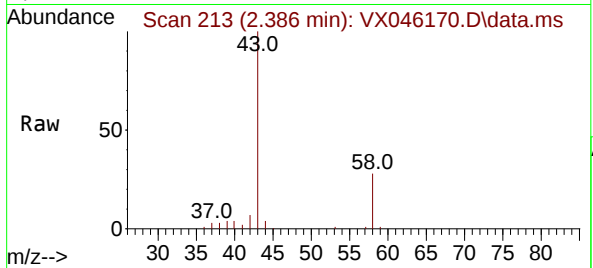




#16
Acetone
Concen: 38.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

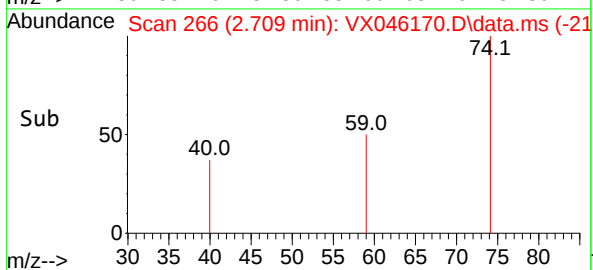
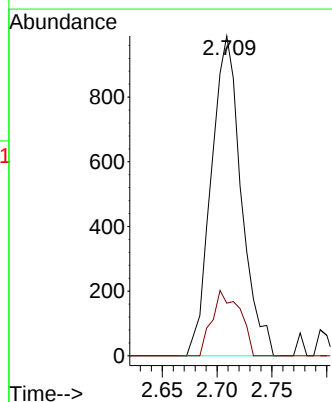
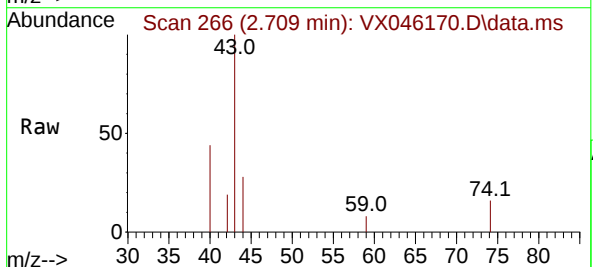
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

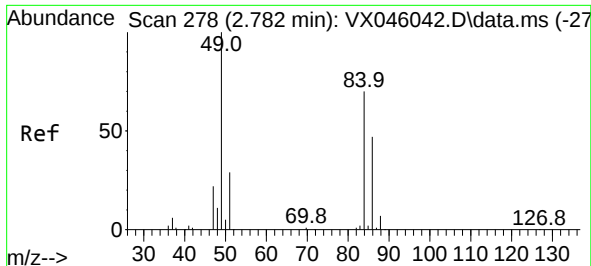
Tgt Ion: 43 Resp: 19498
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8



#18
Methyl Acetate
Concen: 1.616 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 43 Resp: 1884
Ion Ratio Lower Upper
43 100
74 18.8 16.7 25.1

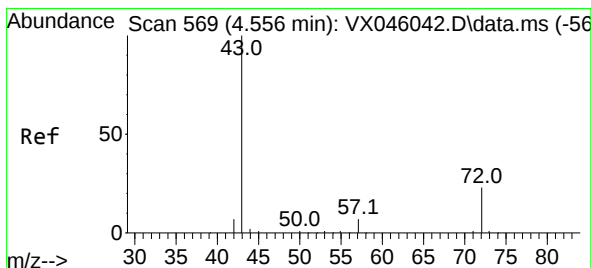
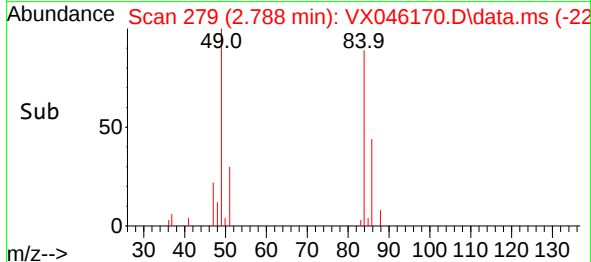
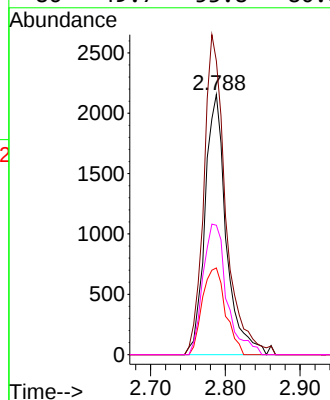
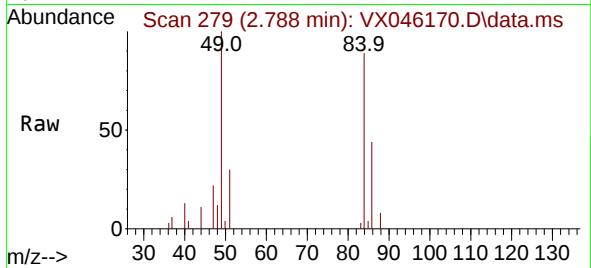




#20
Methylene Chloride
Concen: 4.440 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

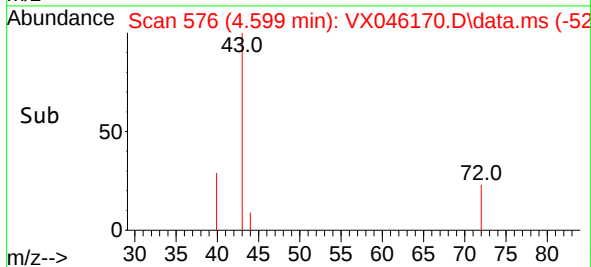
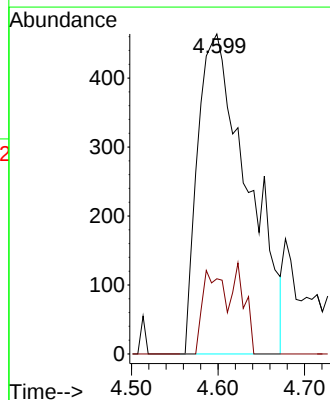
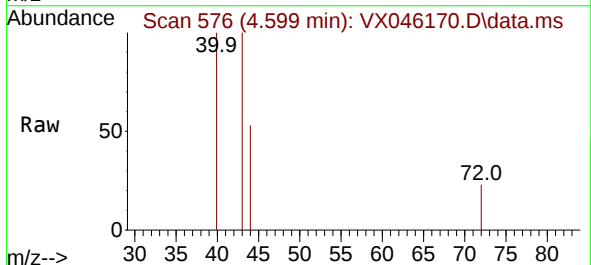
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

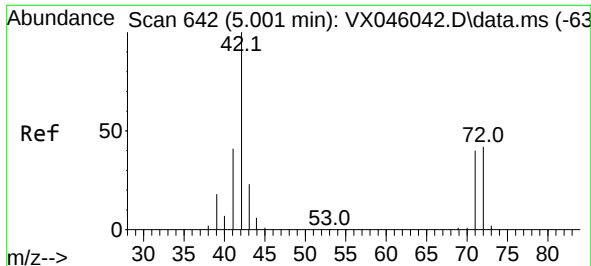
Tgt Ion: 84 Resp: 4274
Ion Ratio Lower Upper
84 100
49 112.9 113.9 170.9#
51 33.3 33.5 50.3#
86 49.7 53.8 80.8#



#25
2-Butanone
Concen: 2.545 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 43 Resp: 1856
Ion Ratio Lower Upper
43 100
72 23.5 18.4 27.6





#29

Tetrahydrofuran

Concen: 0.521 ug/l

RT: 5.031 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-13

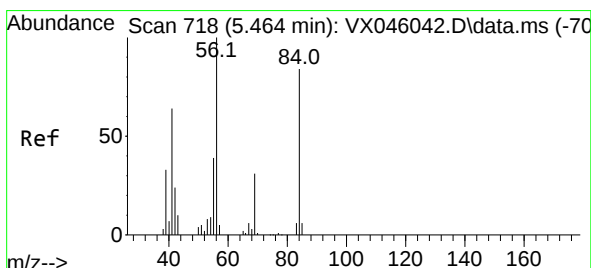
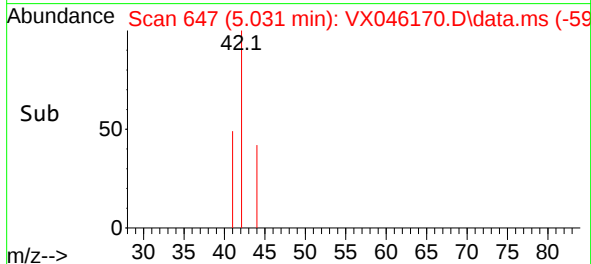
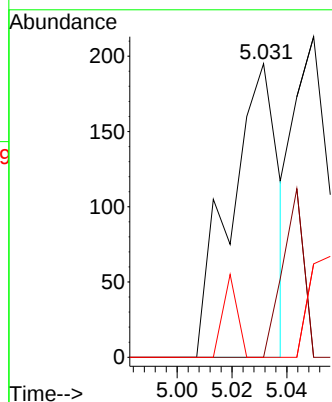
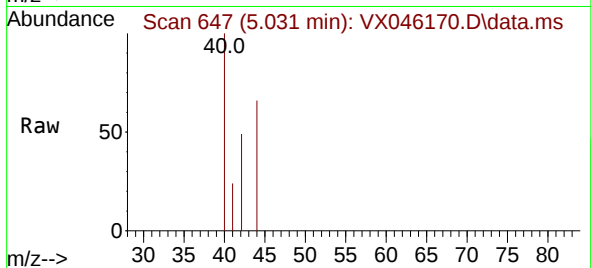
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 25.2 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.338 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

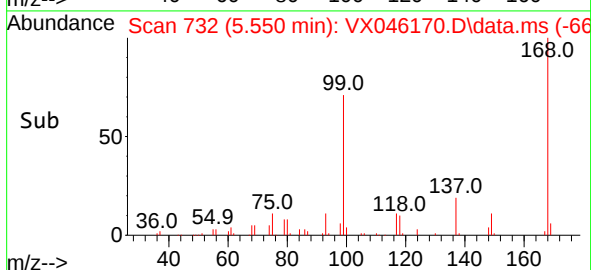
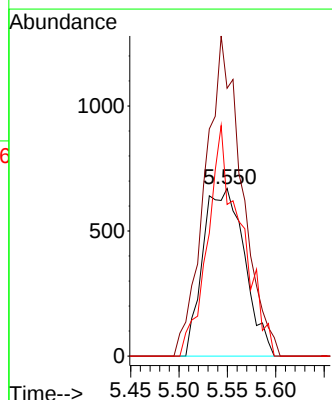
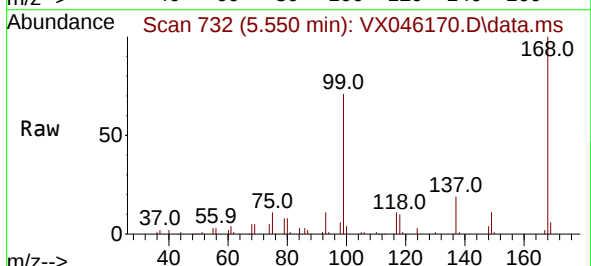
Tgt Ion: 56 Resp: 1997

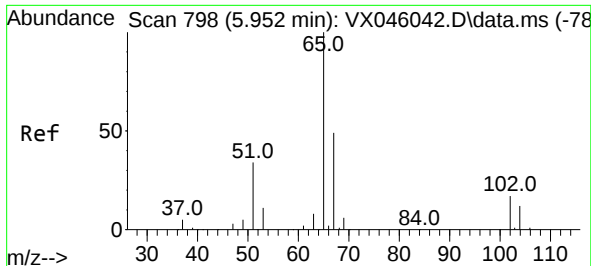
Ion Ratio Lower Upper

56 100

69 159.9 24.4 36.6#

84 90.4 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.500 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

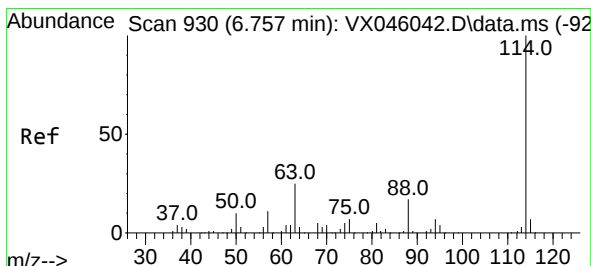
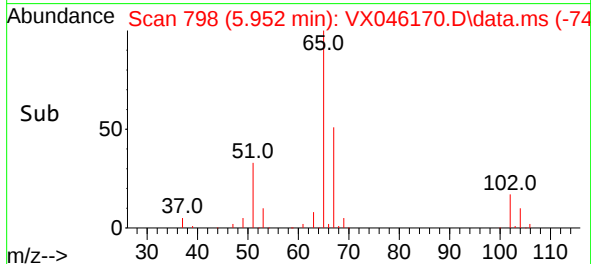
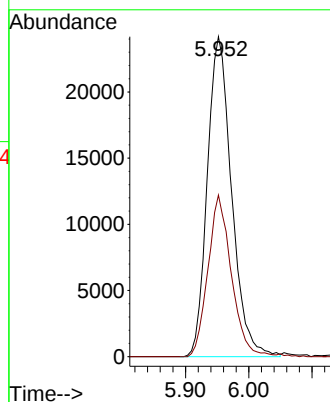
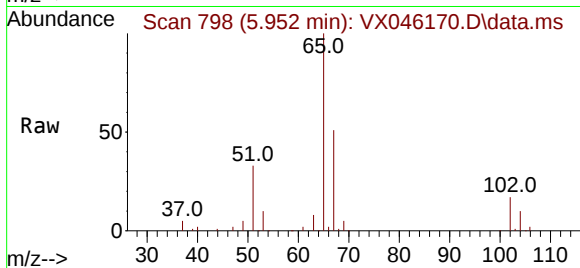
OR-636-COMP-13

Tgt Ion: 65 Resp: 64518

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

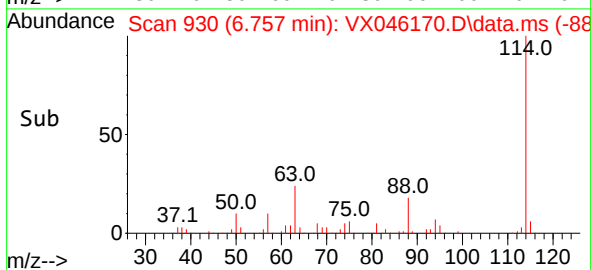
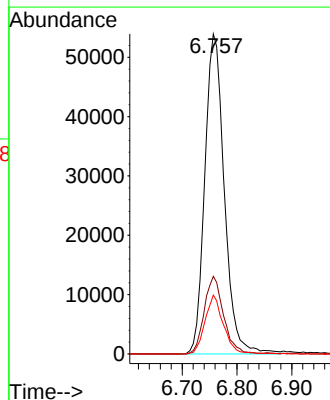
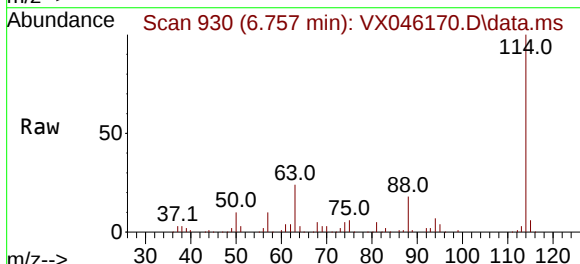
Tgt Ion: 114 Resp: 133199

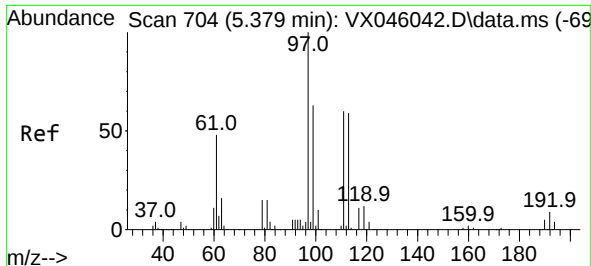
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 18.4 0.0 33.6

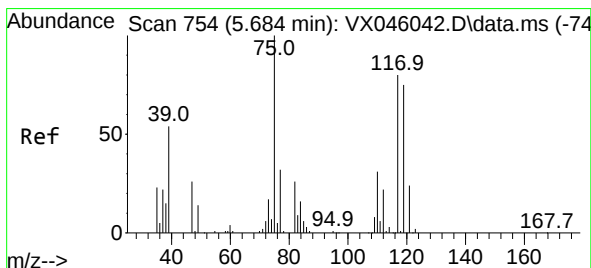
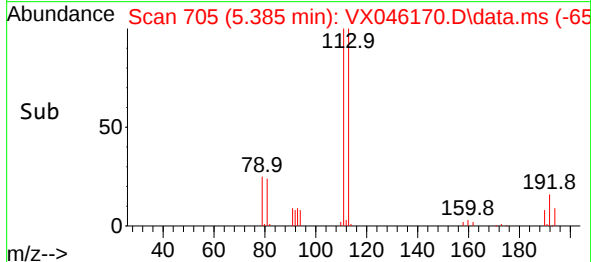
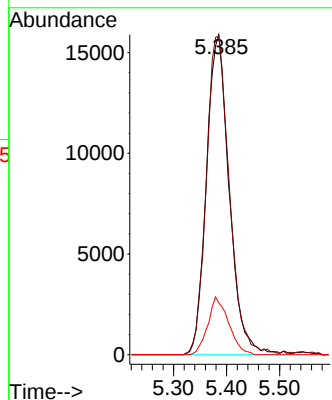
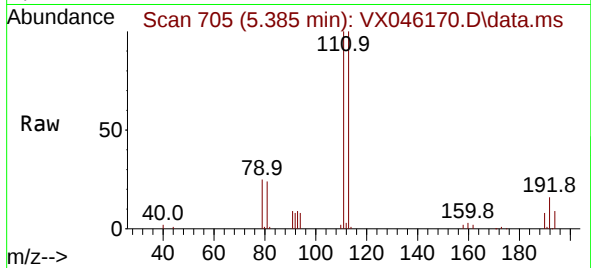




#35
 Dibromofluoromethane
 Concen: 49.385 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX046170.D
 Acq: 13 May 2025 16:45

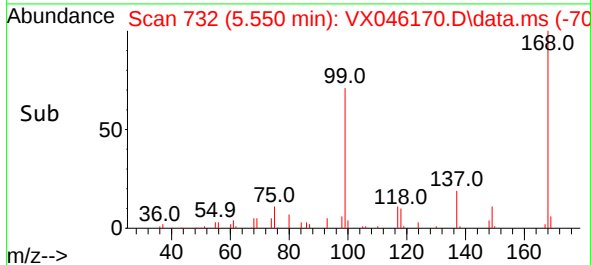
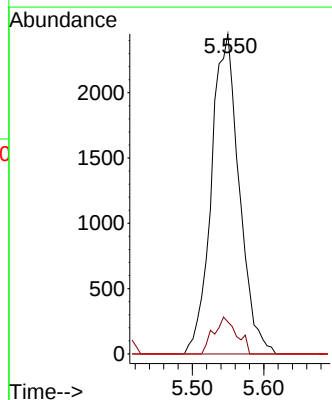
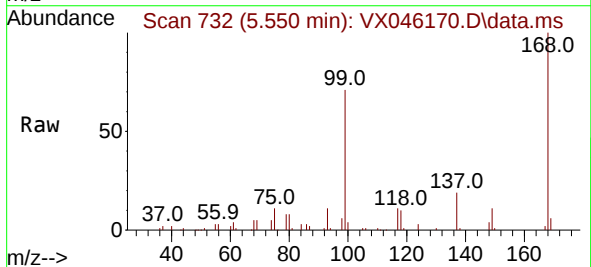
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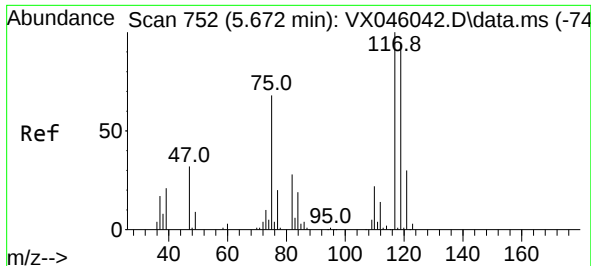
Tgt Ion:113 Resp: 47369
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.1 124.7
 192 16.5 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.134 min
 Lab File: VX046170.D
 Acq: 13 May 2025 16:45

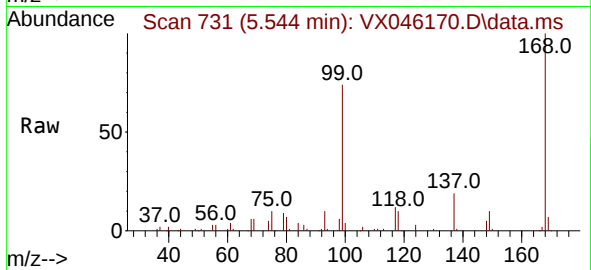
Tgt Ion: 75 Resp: 6632
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.3 48.9#
 77 0.0 24.3 36.5#



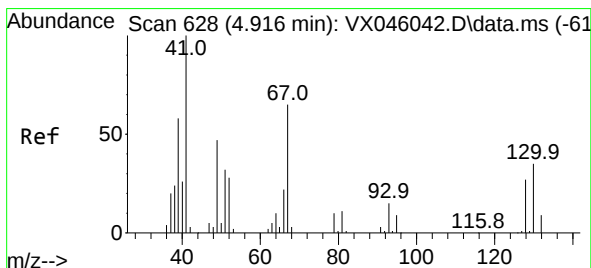
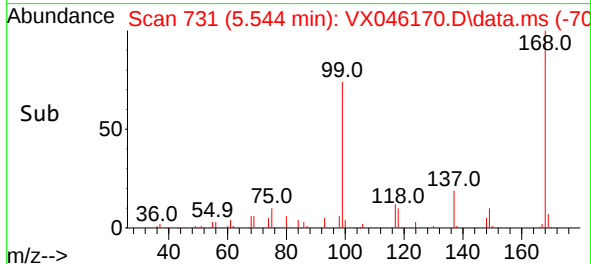
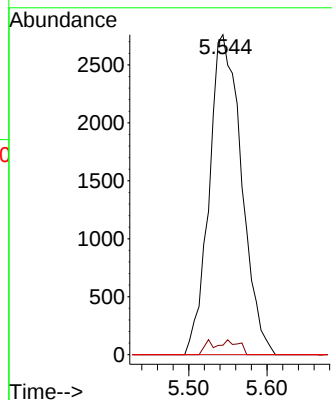


#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

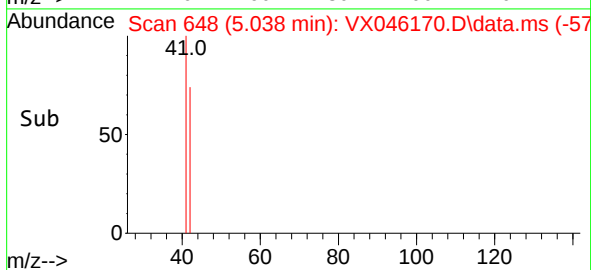
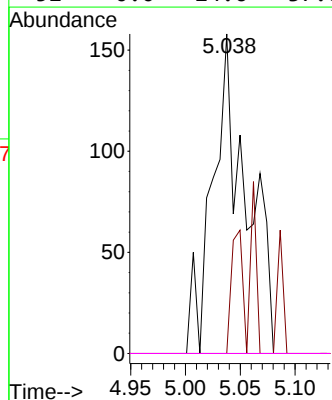
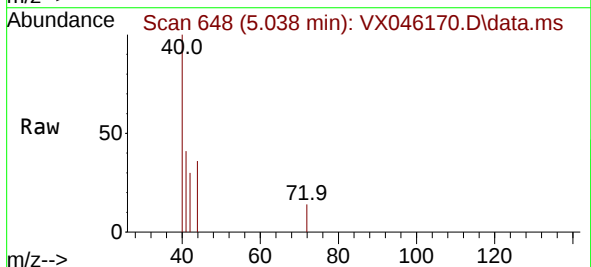


Tgt Ion:117 Resp: 7927
Ion Ratio Lower Upper
117 100
119 3.0 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.406 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 41 Resp: 338
Ion Ratio Lower Upper
41 100
39 12.7 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

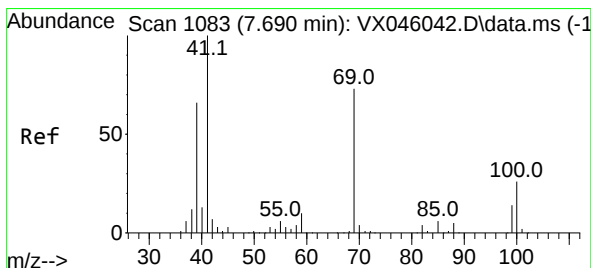
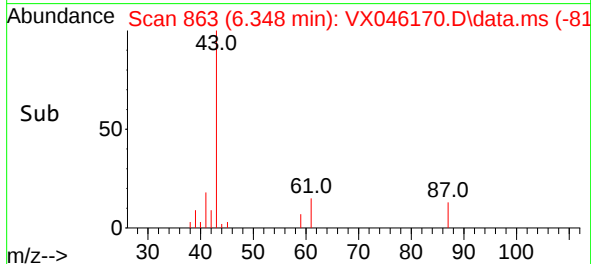
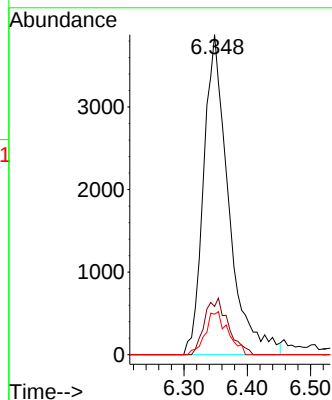
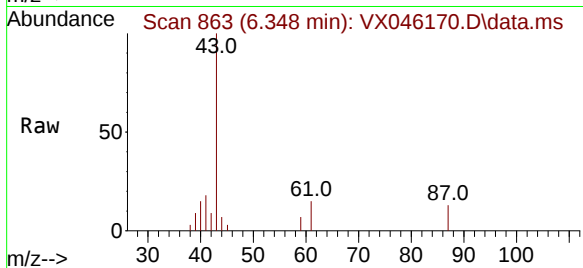




#43
Isopropyl Acetate
Concen: 4.393 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

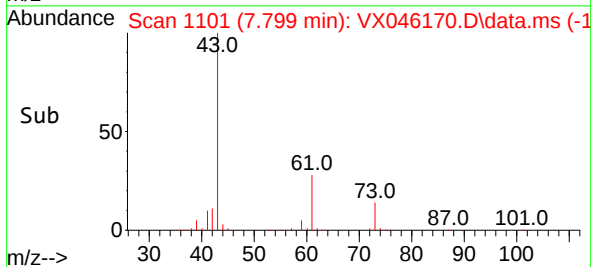
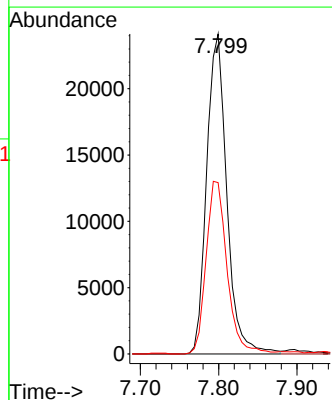
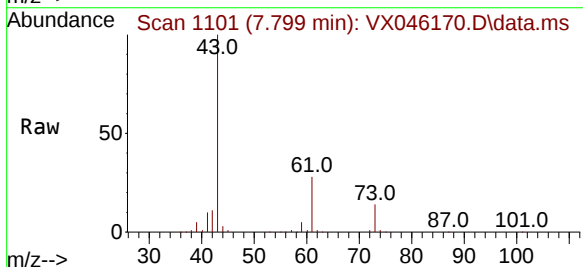
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

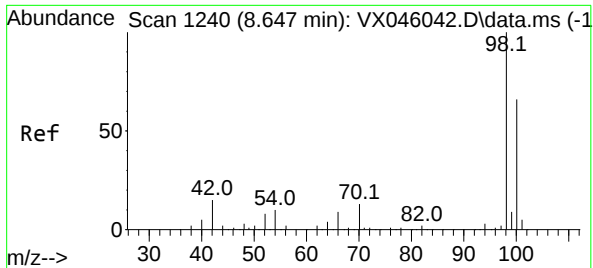
Tgt Ion: 43 Resp: 10670
Ion Ratio Lower Upper
43 100
61 16.7 14.3 21.5
87 12.0 9.5 14.3



#48
Methyl methacrylate
Concen: 34.654 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 41 Resp: 42990
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.4 51.7 77.5

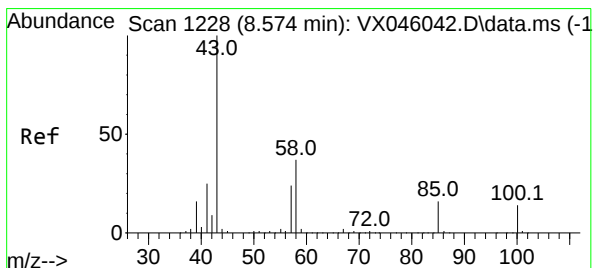
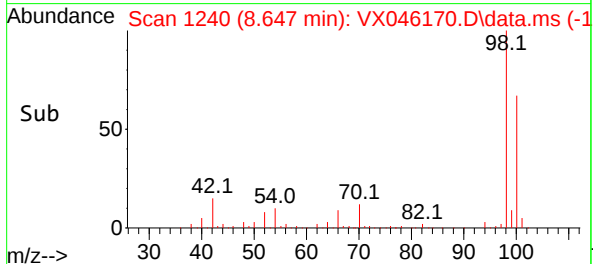
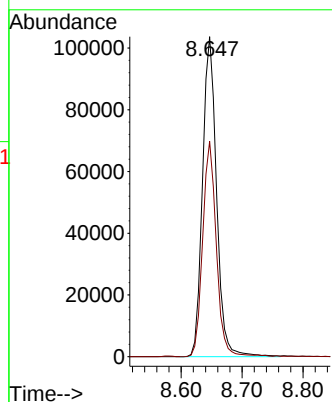
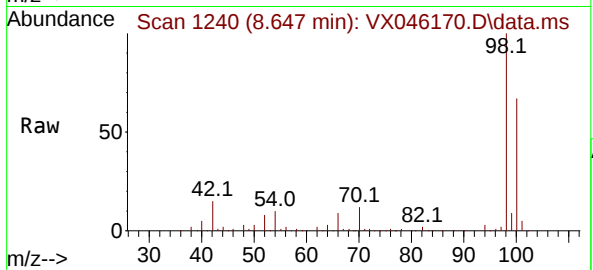




#50
Toluene-d8
Concen: 50.006 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

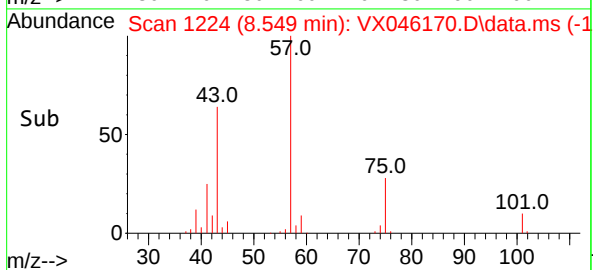
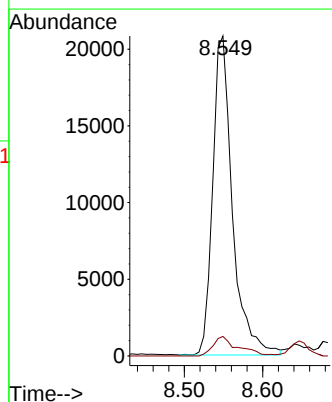
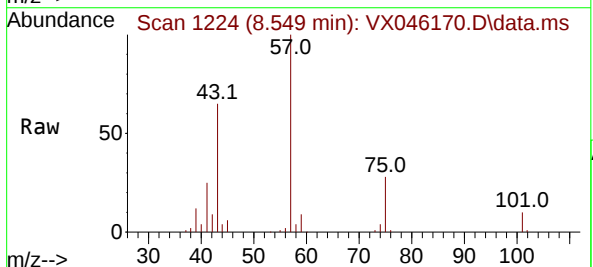
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

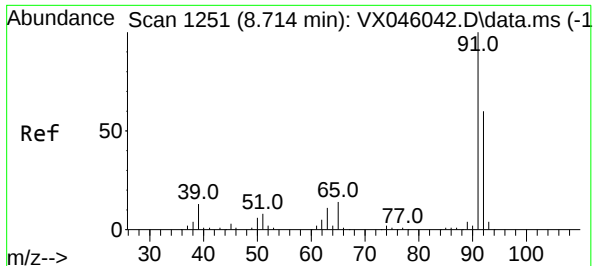
Tgt Ion: 98 Resp: 166010
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 22.560 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 43 Resp: 36375
Ion Ratio Lower Upper
43 100
58 7.8 28.9 43.3#

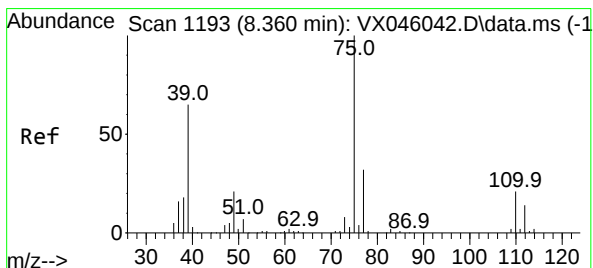
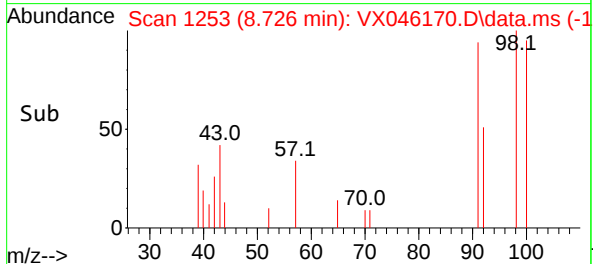
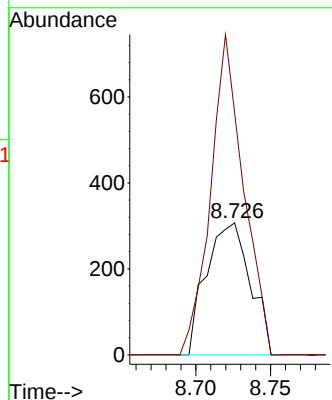
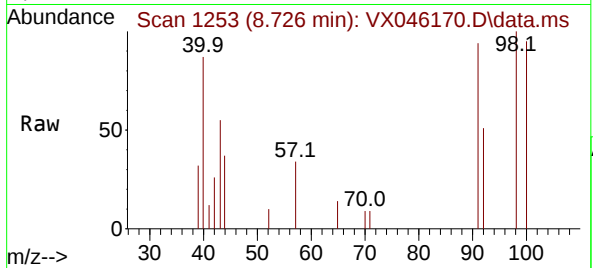




#52
Toluene
Concen: 0.271 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

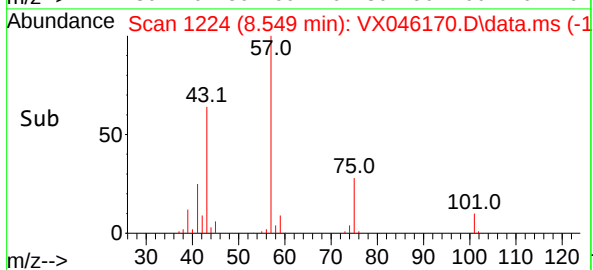
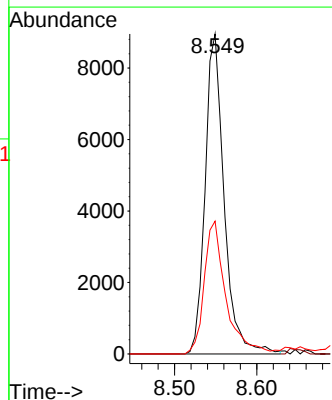
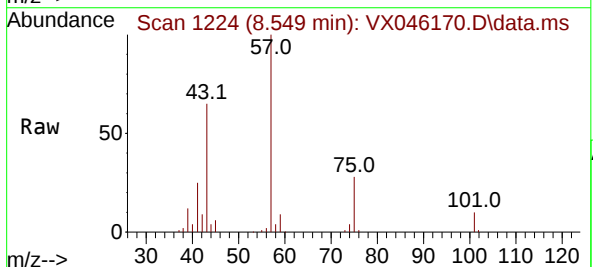
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

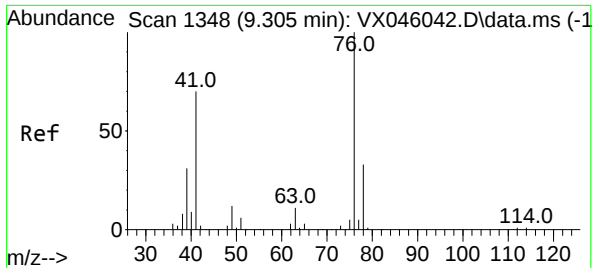
Tgt Ion: 92 Resp: 627
Ion Ratio Lower Upper
92 100
91 182.5 136.6 205.0



#54
cis-1,3-Dichloropropene
Concen: 10.037 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 75 Resp: 14377
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.5 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.769 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

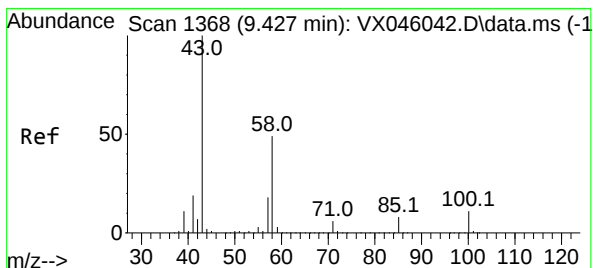
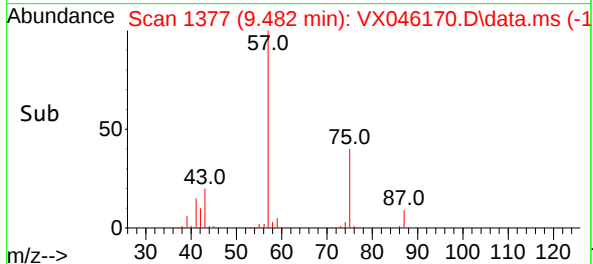
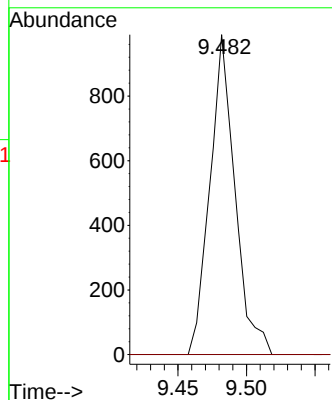
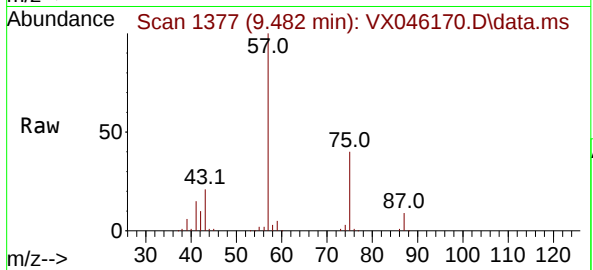
OR-636-COMP-13

Tgt Ion: 76 Resp: 1261

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 9.666 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046170.D

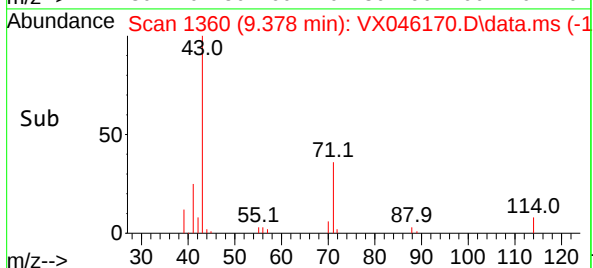
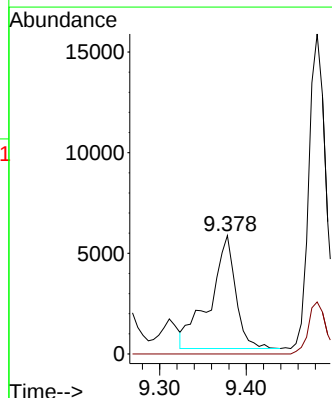
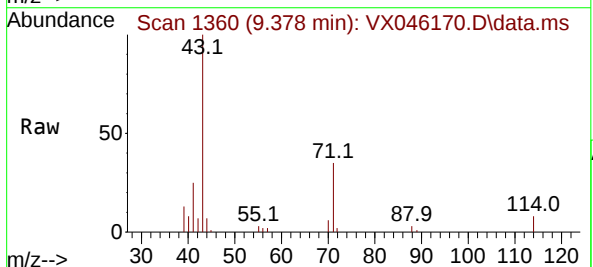
Acq: 13 May 2025 16:45

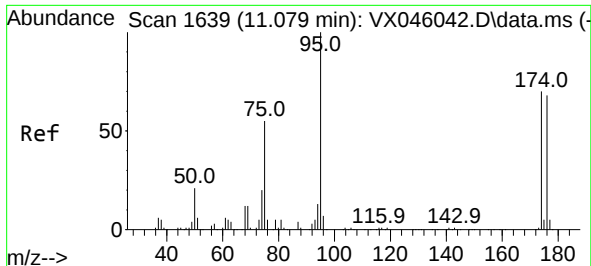
Tgt Ion: 43 Resp: 11531

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.176 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-13

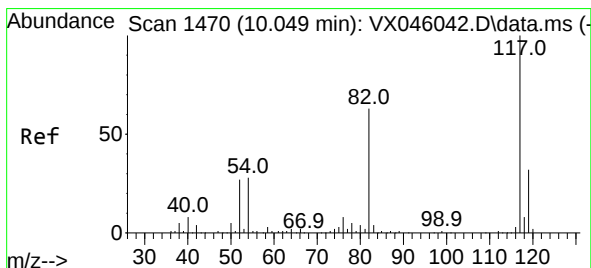
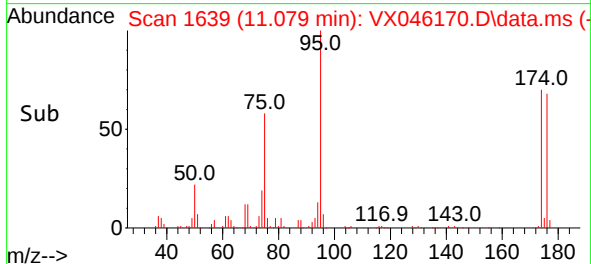
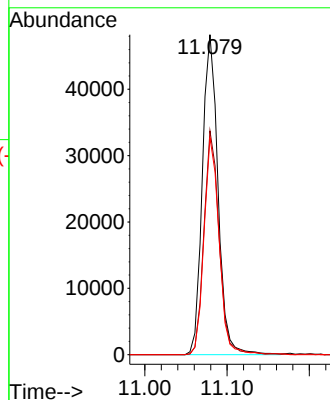
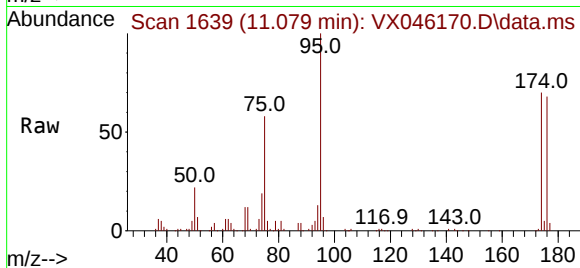
Tgt Ion: 95 Resp: 63896

Ion Ratio Lower Upper

95 100

174 68.2 0.0 135.8

176 65.6 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

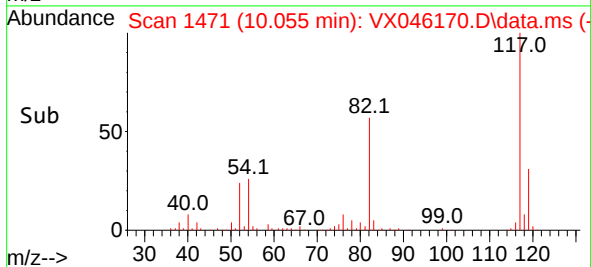
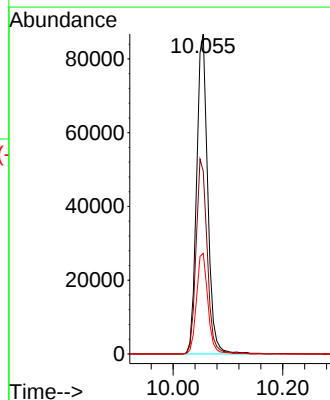
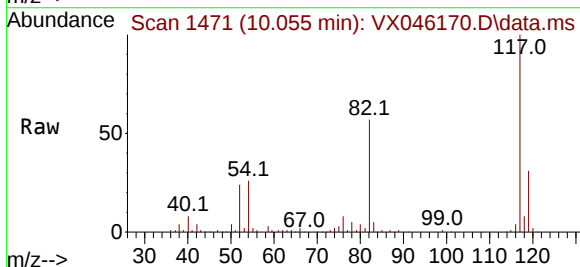
Tgt Ion: 117 Resp: 122907

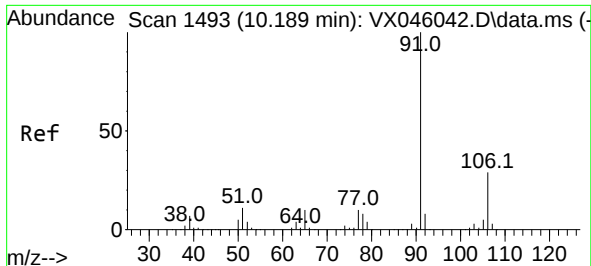
Ion Ratio Lower Upper

117 100

82 57.1 50.6 76.0

119 31.5 25.8 38.6





#67

Ethyl Benzene

Concen: 0.338 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX046170.D

Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

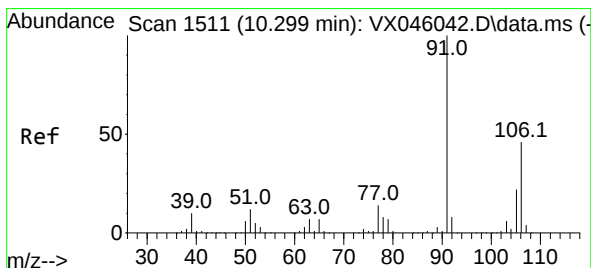
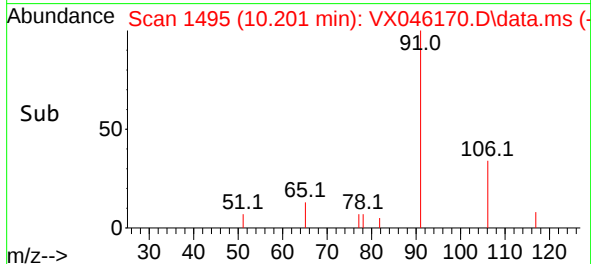
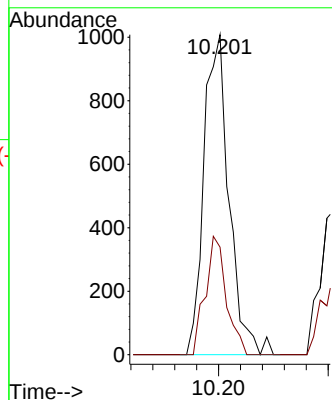
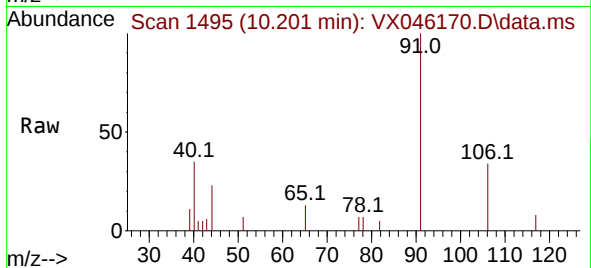
OR-636-COMP-13

Tgt Ion: 91 Resp: 1603

Ion Ratio Lower Upper

91 100

106 33.6 23.4 35.2



#68

m/p-Xylenes

Concen: 0.246 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046170.D

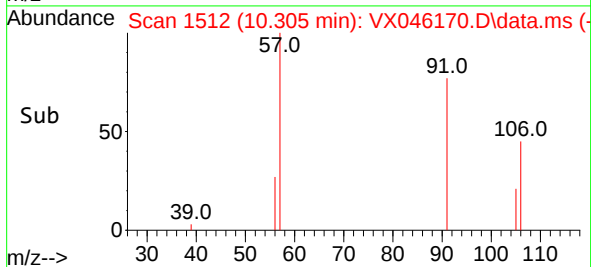
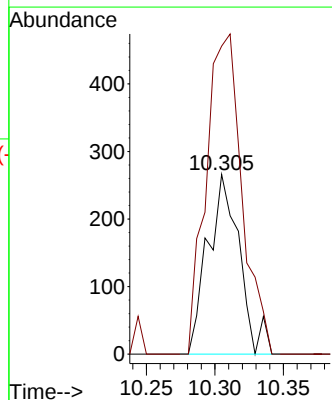
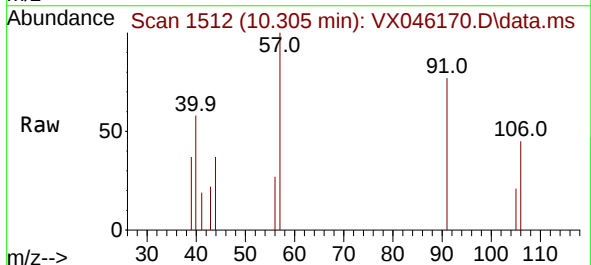
Acq: 13 May 2025 16:45

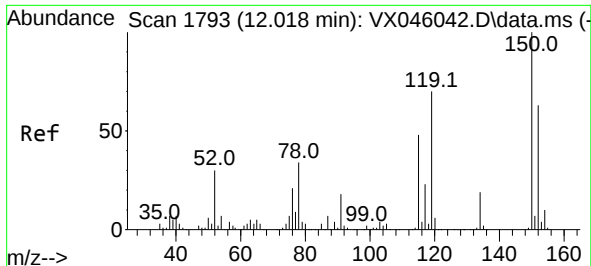
Tgt Ion:106 Resp: 426

Ion Ratio Lower Upper

106 100

91 202.8 171.2 256.8

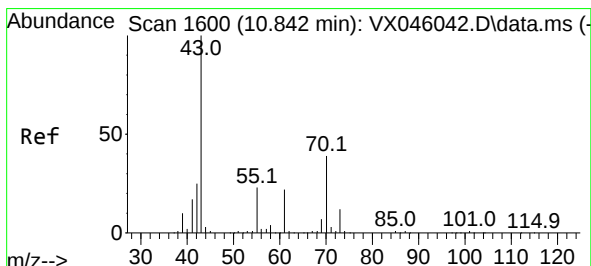
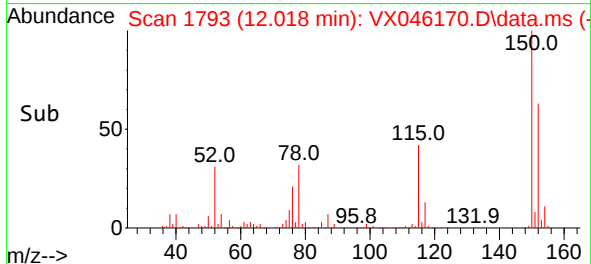
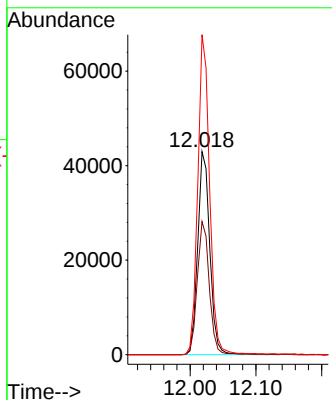
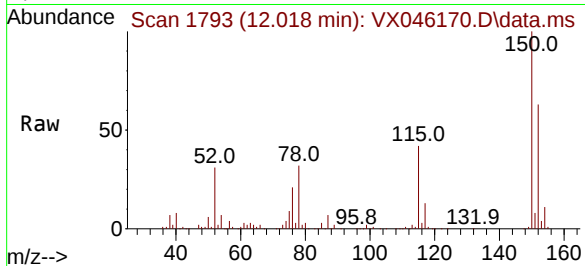




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046170.D
 Acq: 13 May 2025 16:45

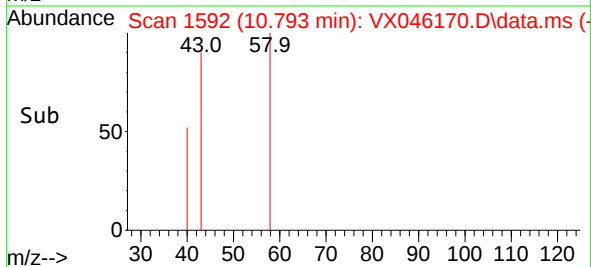
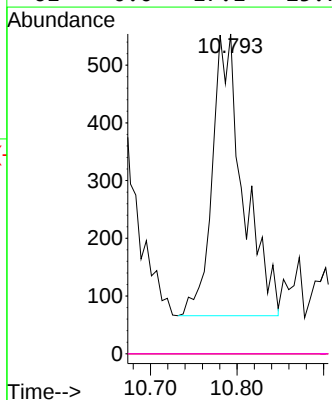
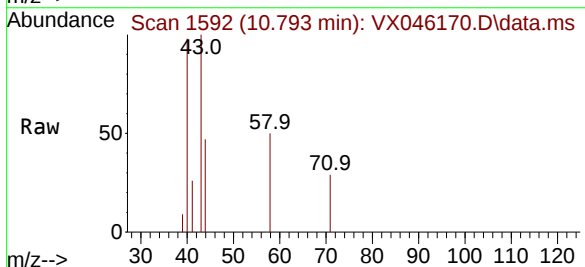
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-13

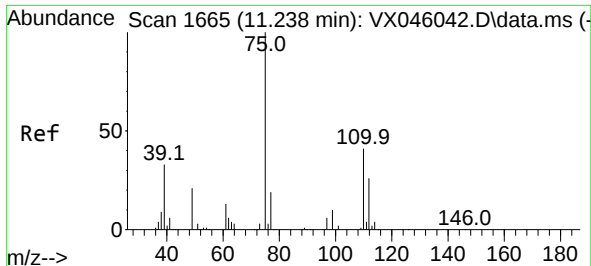
Tgt Ion:152 Resp: 54869
 Ion Ratio Lower Upper
 152 100
 115 65.2 46.9 140.7
 150 154.0 0.0 351.0



#74
 N-ethyl acetate
 Concen: 0.571 ug/l
 RT: 10.793 min Scan# 1592
 Delta R.T. -0.049 min
 Lab File: VX046170.D
 Acq: 13 May 2025 16:45

Tgt Ion: 43 Resp: 1206
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 0.0 18.7 28.1#
 61 0.0 17.1 25.7#

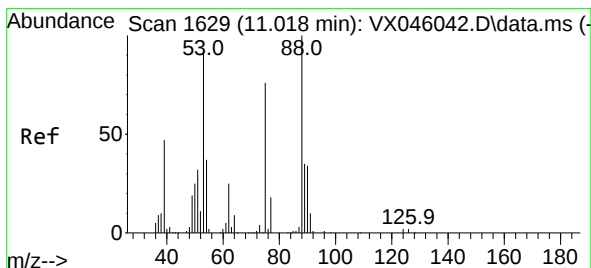
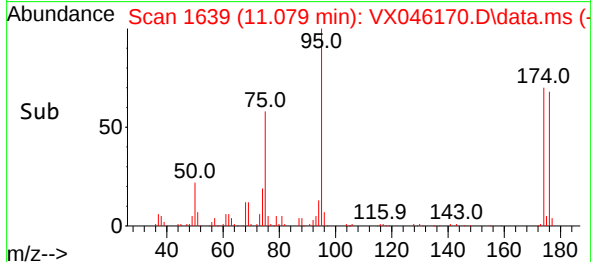
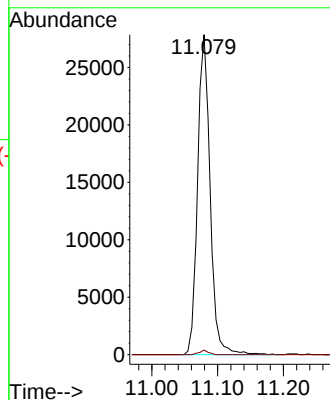
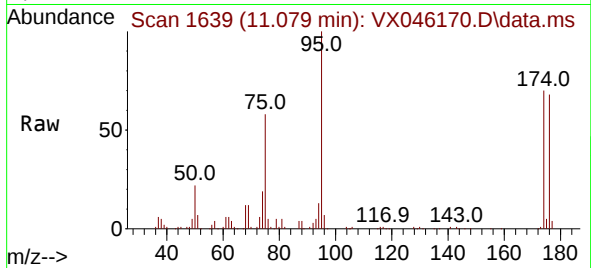




#76
1,2,3-Trichloropropane
Concen: 27.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

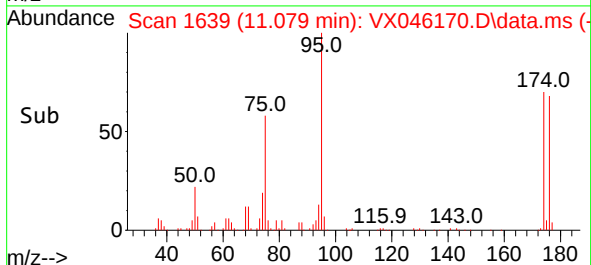
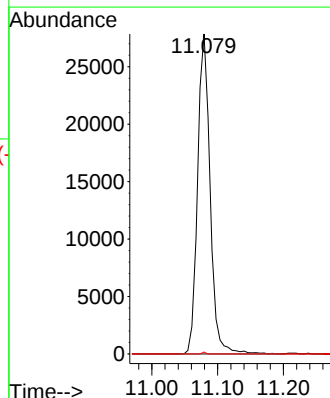
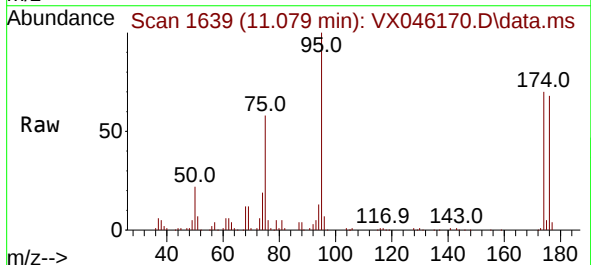
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-13

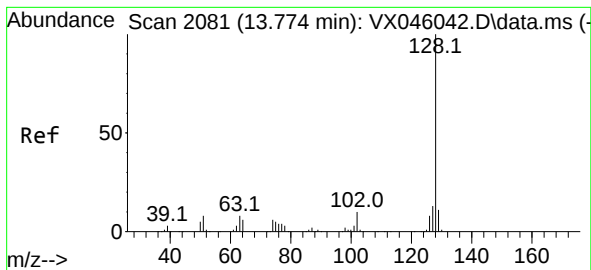
Tgt Ion: 75 Resp: 36772
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046170.D
Acq: 13 May 2025 16:45

Tgt Ion: 75 Resp: 36772
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.2 37.0 55.6#





#95

Naphthalene

Concen: 5.109 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX046170.D

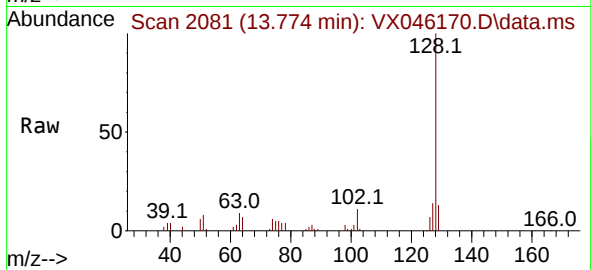
Acq: 13 May 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-13



Tgt Ion:	128	Resp:	19547
Ion Ratio	100	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

