

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046171.D
 Acq On : 13 May 2025 17:08
 Operator : JC/MD
 Sample : Q2007-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-636-COMP-14

Quant Time: May 14 01:43:50 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)

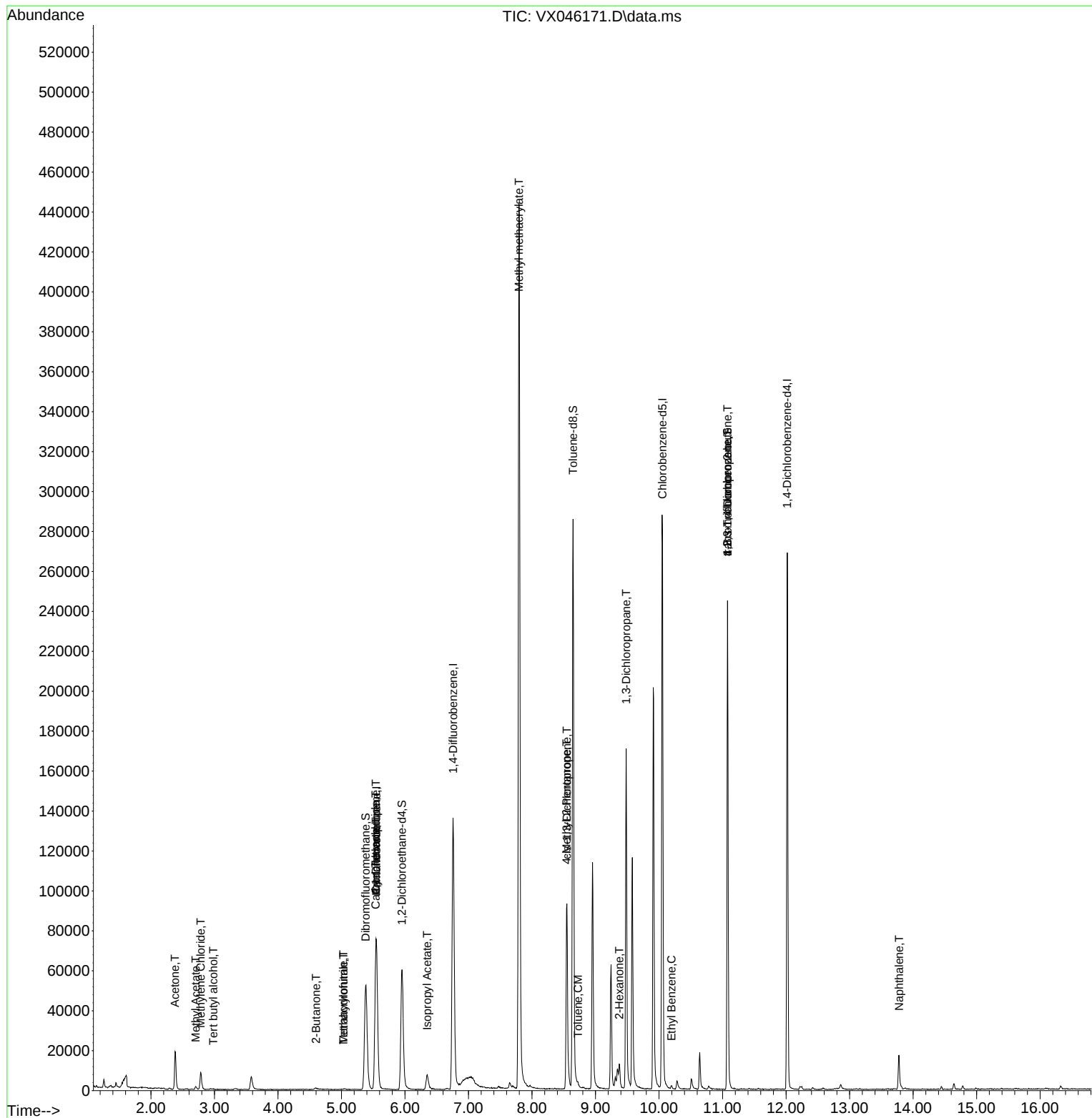
Internal Standards						
1) Pentafluorobenzene	5.550	168	66454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63228	51.035	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.060%	
35) Dibromofluoromethane	5.379	113	45882	48.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.600%	
50) Toluene-d8	8.647	98	164266	50.477	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	11.079	95	63027	50.491	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	336	1.932	ug/l #	72
16) Acetone	2.380	43	20876	42.025	ug/l	97
18) Methyl Acetate	2.703	43	1884	1.634	ug/l	93
20) Methylene Chloride	2.782	84	3923	4.121	ug/l	88
25) 2-Butanone	4.599	43	2211	3.066	ug/l	98
29) Tetrahydrofuran	5.032	42	176	0.389	ug/l #	35
31) Cyclohexane	5.544	56	1748	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6621	5.241	ug/l #	53
38) Carbon Tetrachloride	5.538	117	7684	5.414	ug/l #	15
41) Methacrylonitrile	5.032	41	301	0.369	ug/l #	25
43) Isopropyl Acetate	6.348	43	11035	4.634	ug/l	99
48) Methyl methacrylate	7.793	41	43533	35.799	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	38528	24.377	ug/l #	50
52) Toluene	8.726	92	538	0.237	ug/l	83
54) cis-1,3-Dichloropropene	8.549	75	14704	10.472	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1405	0.874	ug/l #	42
59) 2-Hexanone	9.372	43	11704	10.009	ug/l #	28
67) Ethyl Benzene	10.195	91	1159	0.247	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	35890	29.307	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35890	95.415	ug/l #	1
95) Naphthalene	13.780	128	14000	3.946	ug/l	98

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

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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

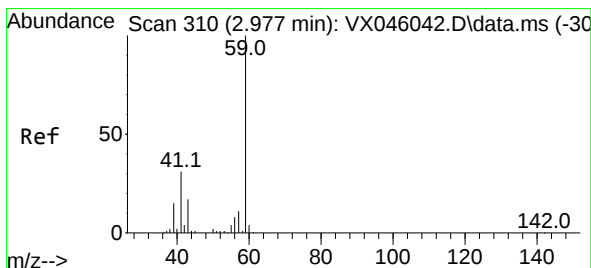
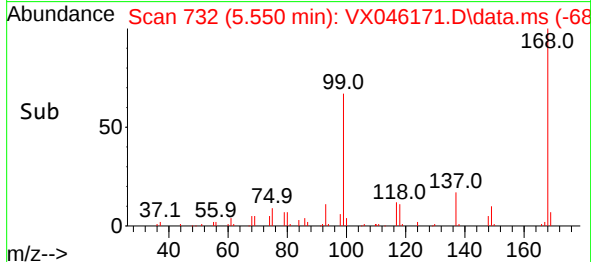
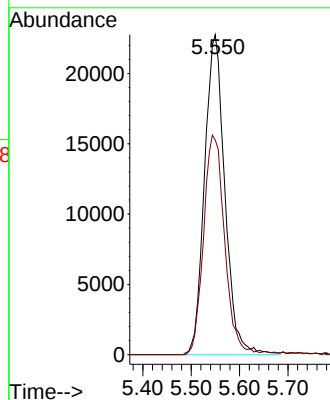
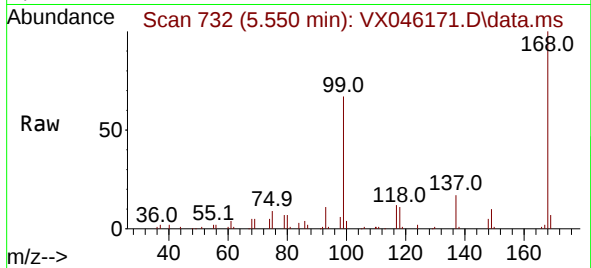




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

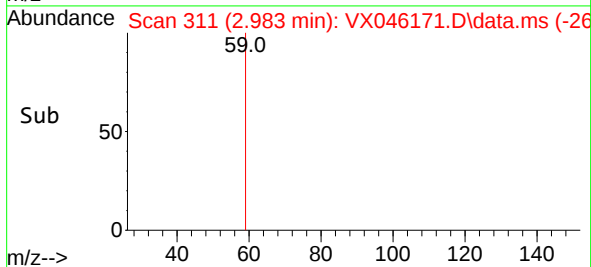
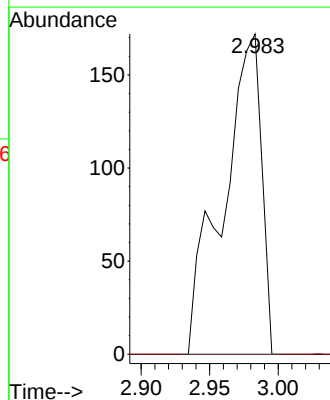
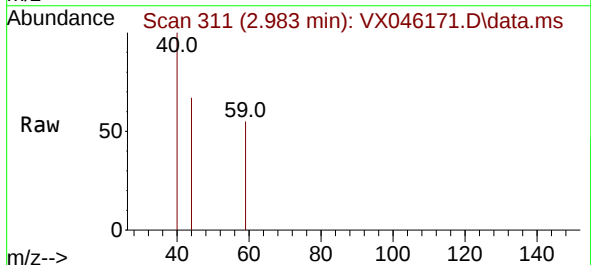
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

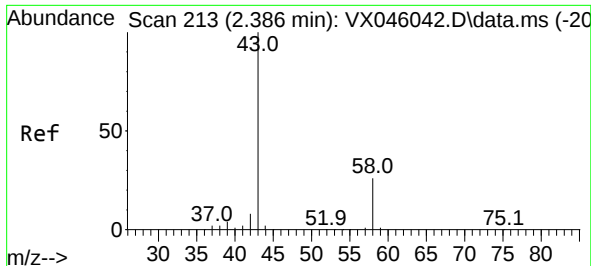
Tgt Ion:168 Resp: 66454
Ion Ratio Lower Upper
168 100
99 67.1 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.932 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 59 Resp: 336
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

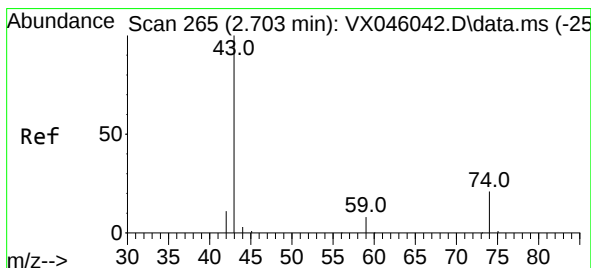
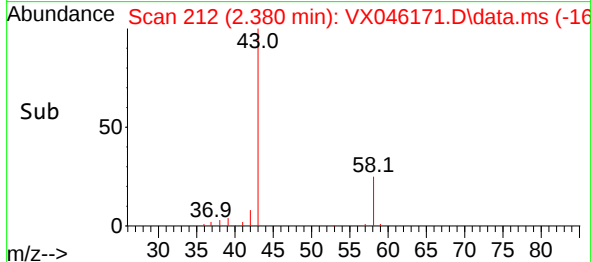
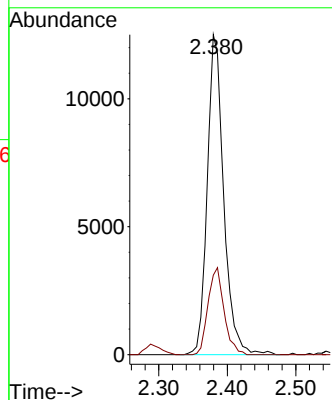
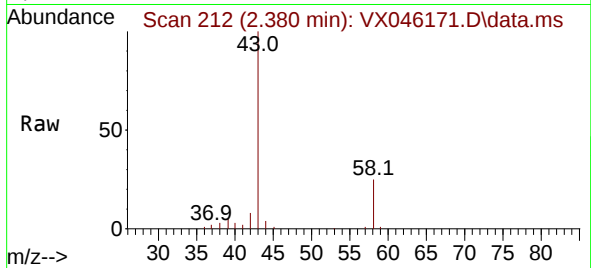




#16
Acetone
Concen: 42.025 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

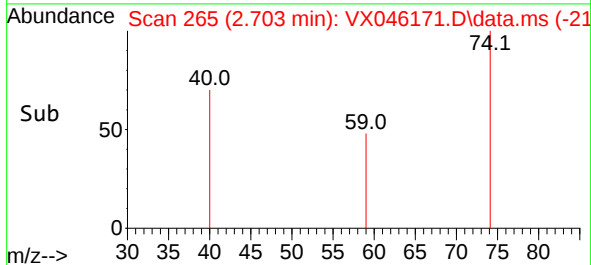
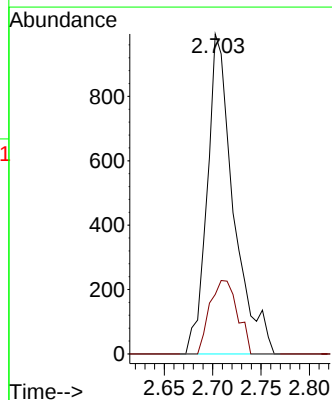
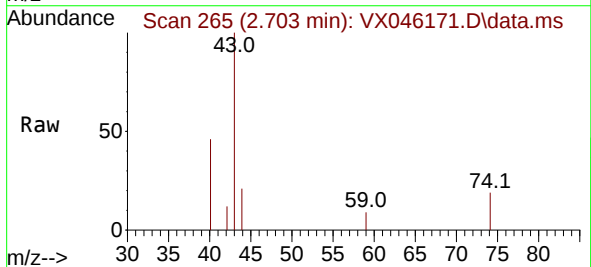
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

Tgt Ion: 43 Resp: 20876
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8



#18
Methyl Acetate
Concen: 1.634 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 43 Resp: 1884
Ion Ratio Lower Upper
43 100
74 24.0 16.7 25.1

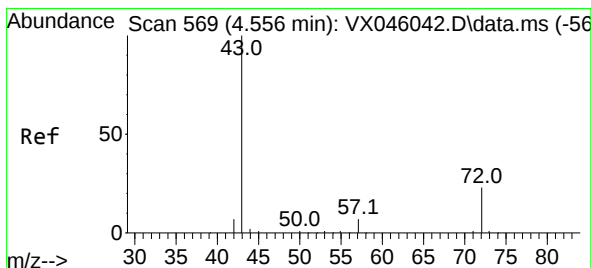
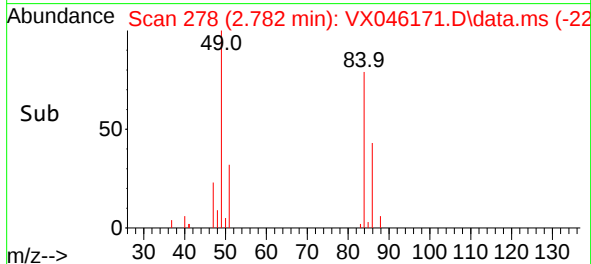
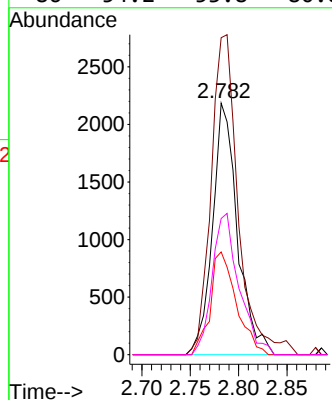
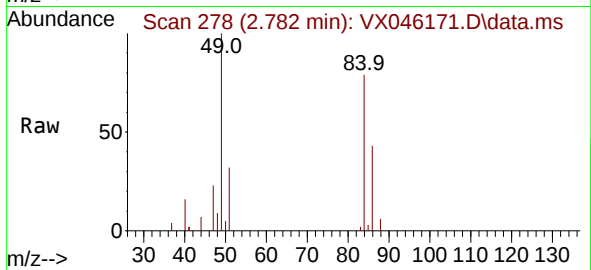




#20
Methylene Chloride
Concen: 4.121 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

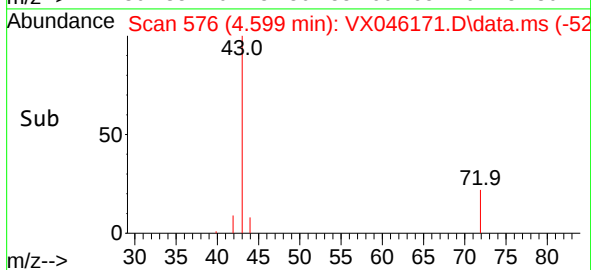
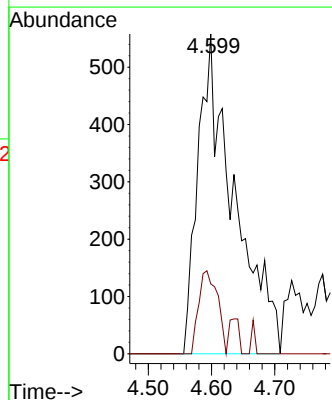
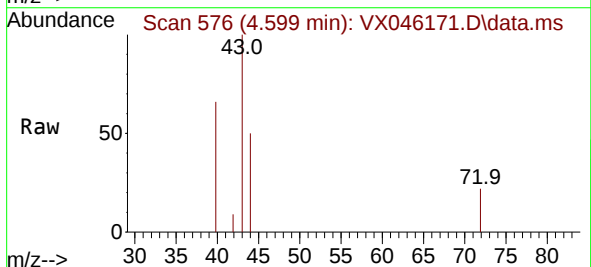
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

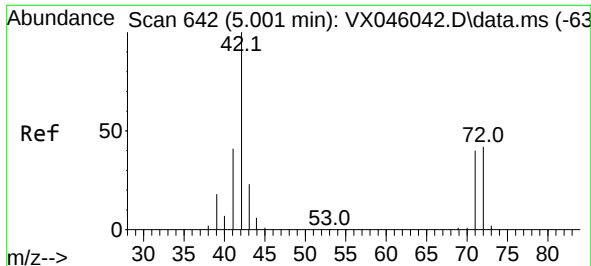
Tgt Ion:	84	Resp:	3923
Ion	Ratio	Lower	Upper
84	100		
49	126.0	113.9	170.9
51	40.8	33.5	50.3
86	54.2	53.8	80.8



#25
2-Butanone
Concen: 3.066 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion:	43	Resp:	2211
Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

OR-636-COMP-14

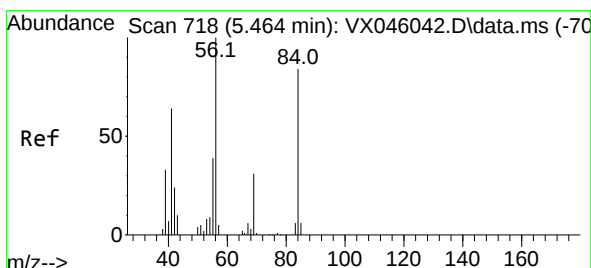
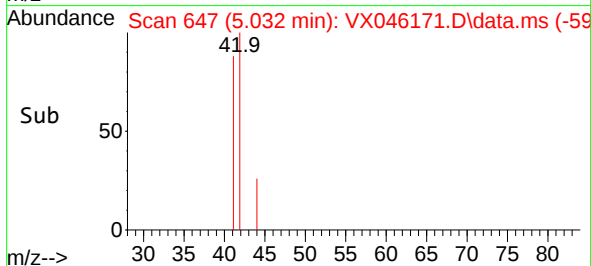
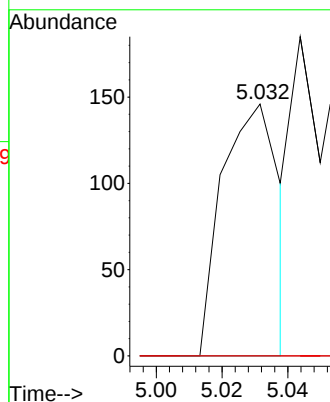
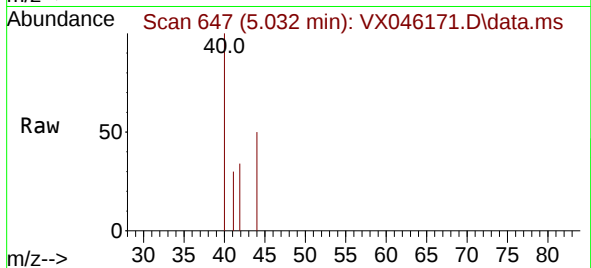
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

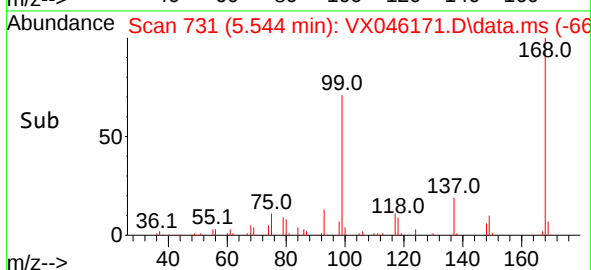
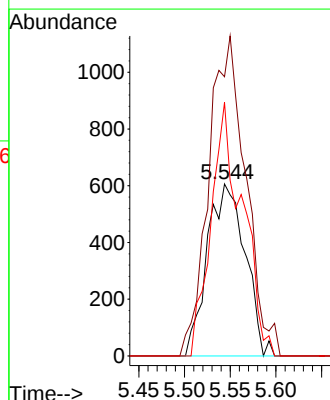
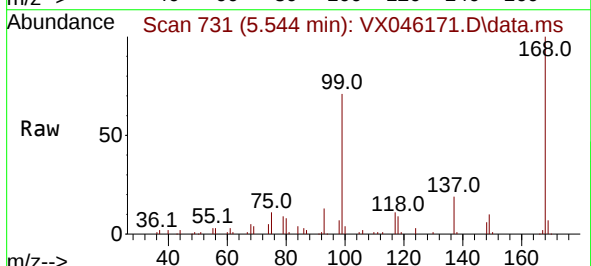
Tgt Ion: 56 Resp: 1748

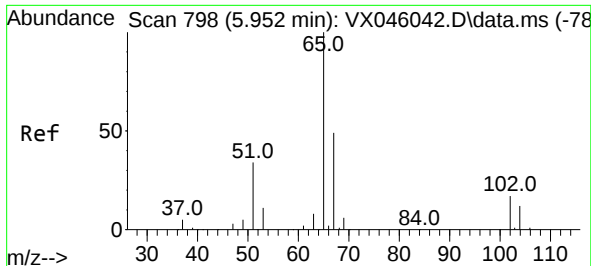
Ion Ratio Lower Upper

56 100

69 162.4 24.4 36.6#

84 147.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.035 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

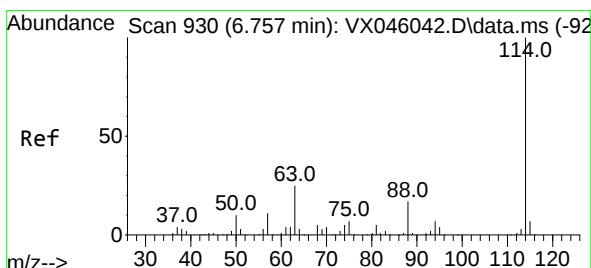
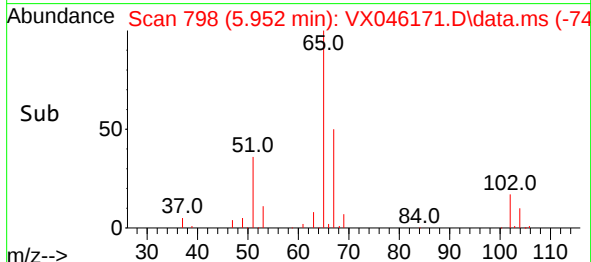
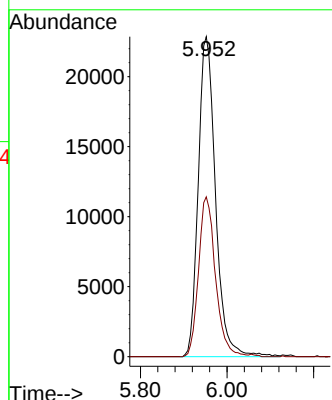
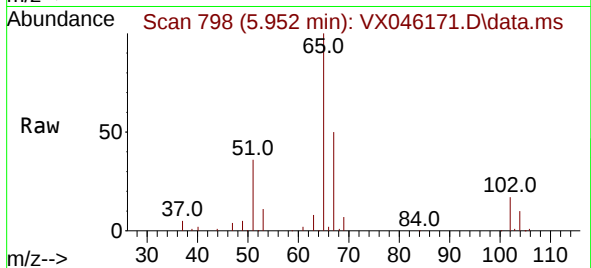
OR-636-COMP-14

Tgt Ion: 65 Resp: 63228

Ion Ratio Lower Upper

65 100

67 49.2 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: VX046171.D

Acq: 13 May 2025 17:08

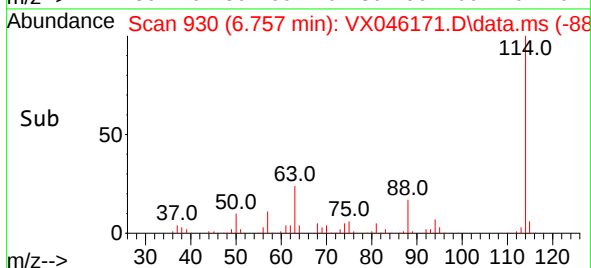
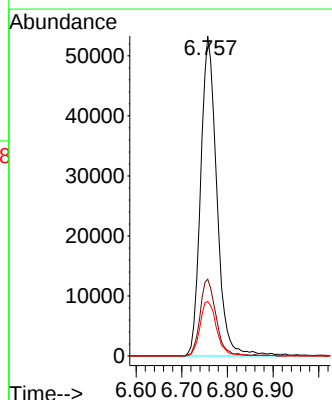
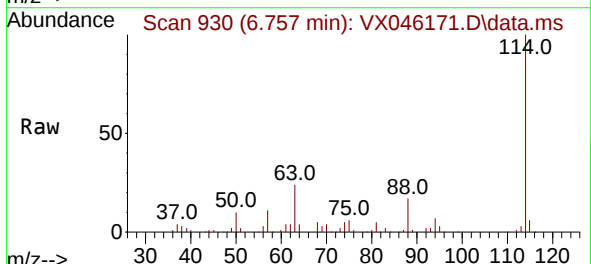
Tgt Ion: 114 Resp: 130568

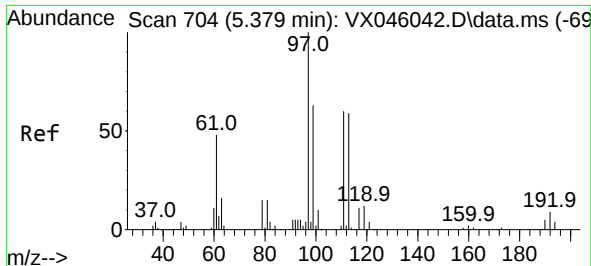
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 17.0 0.0 33.6

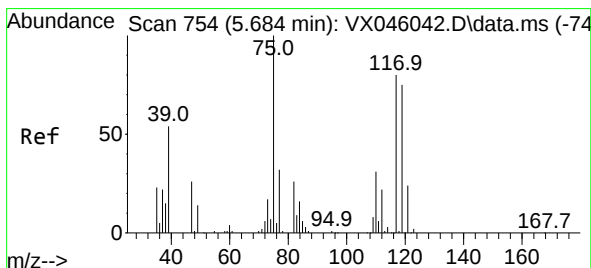
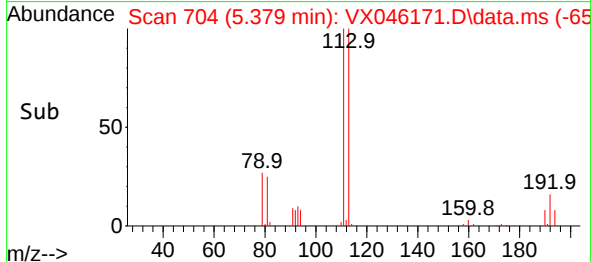
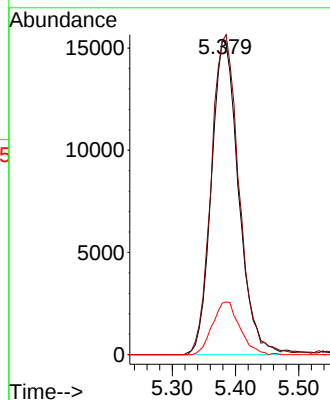
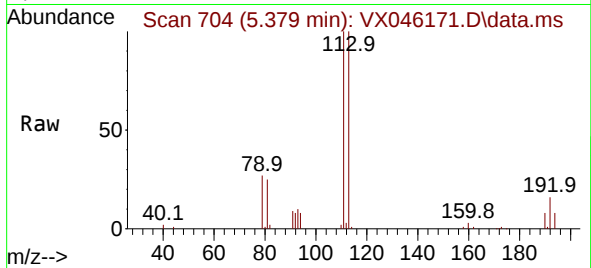




#35
Dibromofluoromethane
Concen: 48.799 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

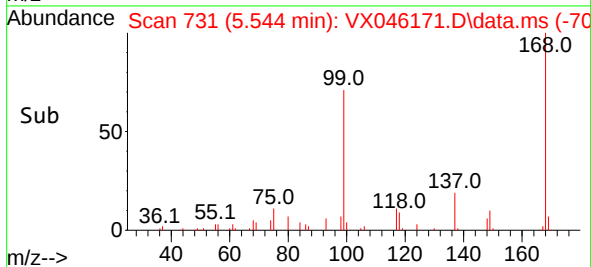
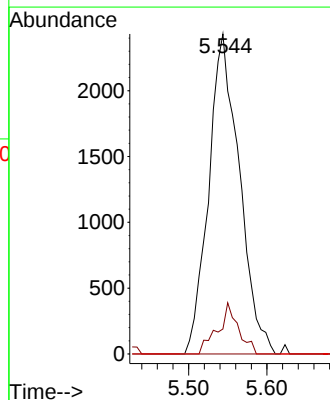
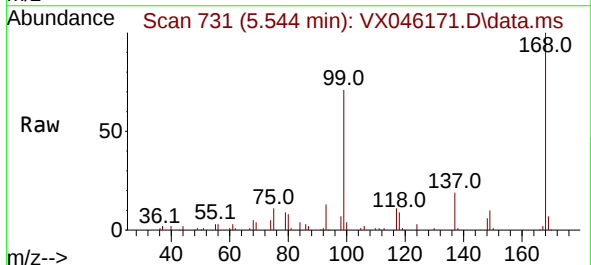
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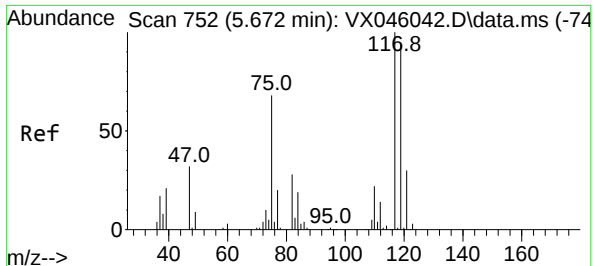
Tgt Ion:113 Resp: 45882
Ion Ratio Lower Upper
113 100
111 104.2 83.1 124.7
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

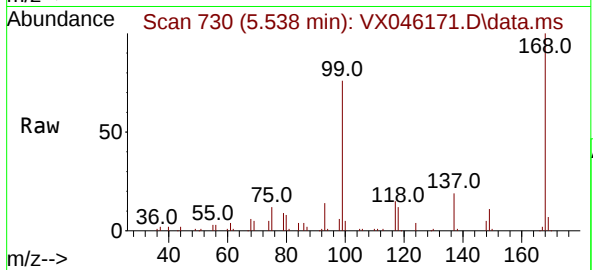
Tgt Ion: 75 Resp: 6621
Ion Ratio Lower Upper
75 100
110 10.7 16.3 48.9#
77 0.0 24.3 36.5#



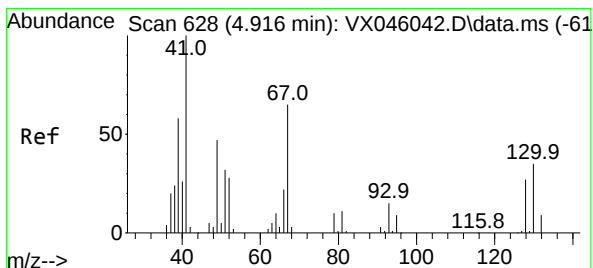
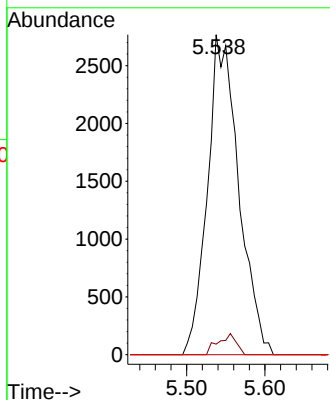
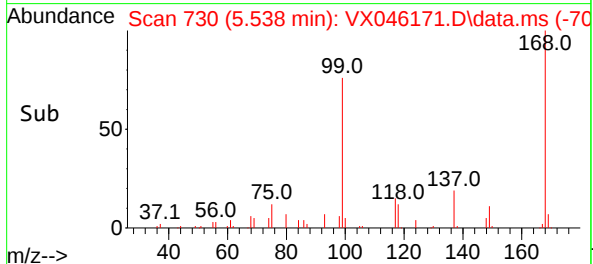


#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

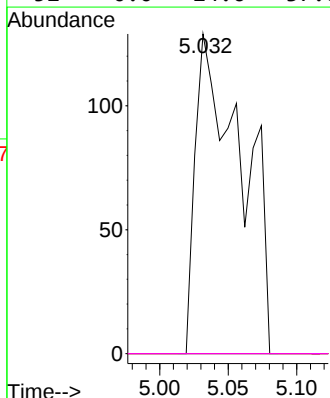
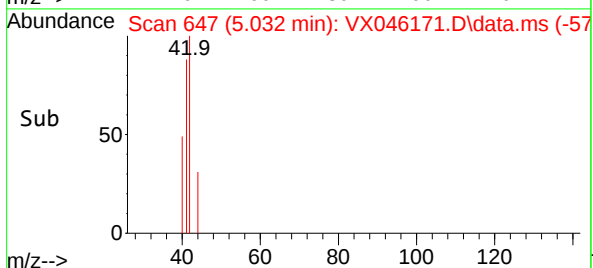
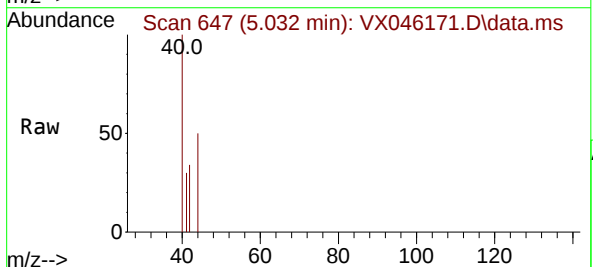


Tgt Ion:117 Resp: 7684
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.369 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 41 Resp: 301
Ion Ratio Lower Upper
41 100
39 0.0 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

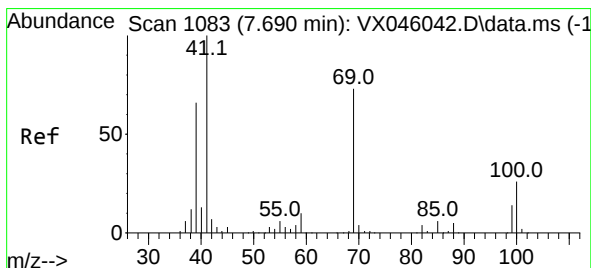
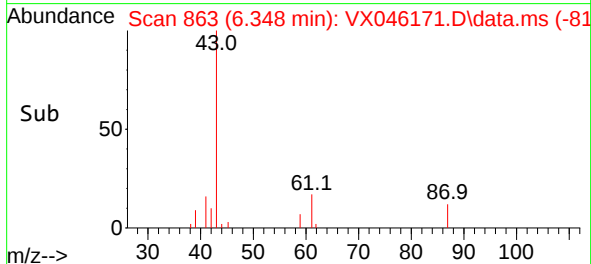
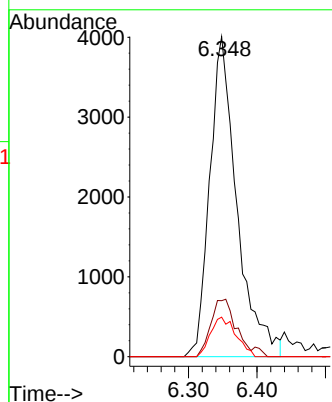
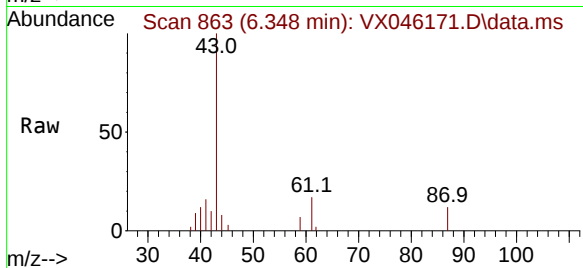




#43
Isopropyl Acetate
Concen: 4.634 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

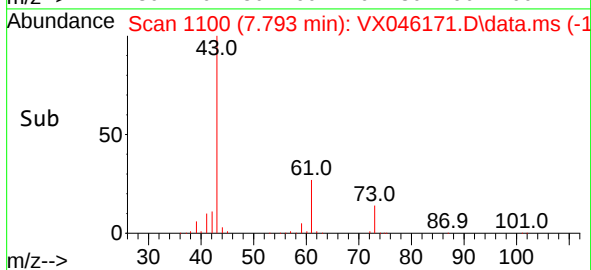
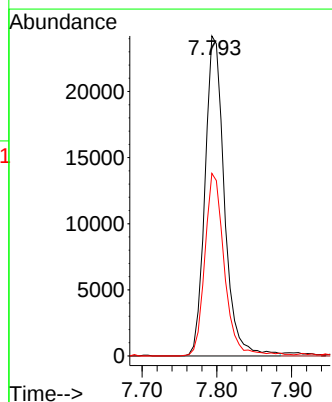
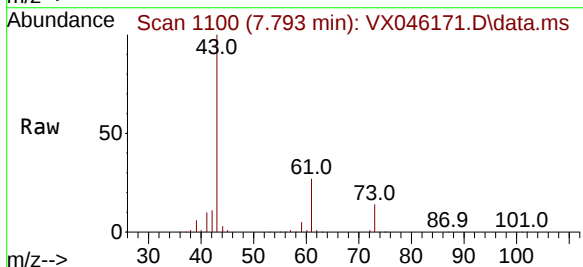
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

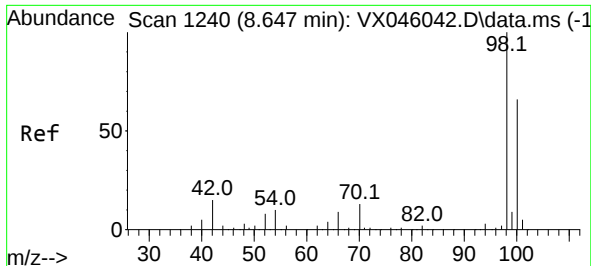
Tgt Ion: 43 Resp: 11035
Ion Ratio Lower Upper
43 100
61 17.4 14.3 21.5
87 11.5 9.5 14.3



#48
Methyl methacrylate
Concen: 35.799 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 41 Resp: 43533
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.8 51.7 77.5

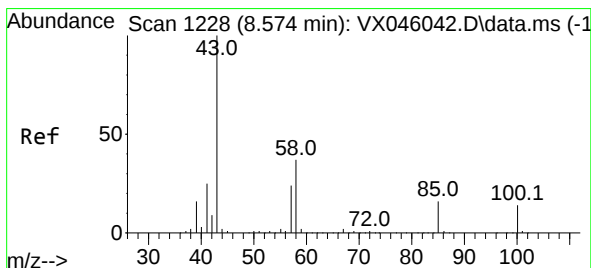
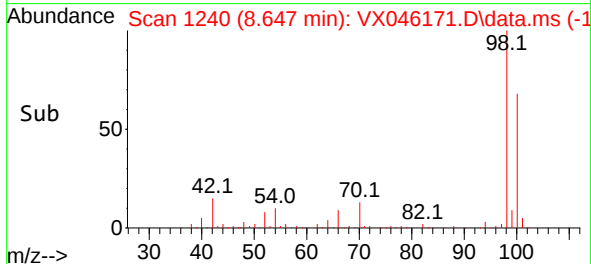
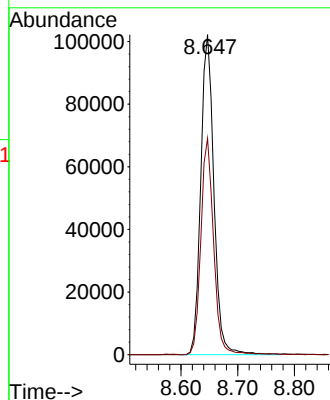
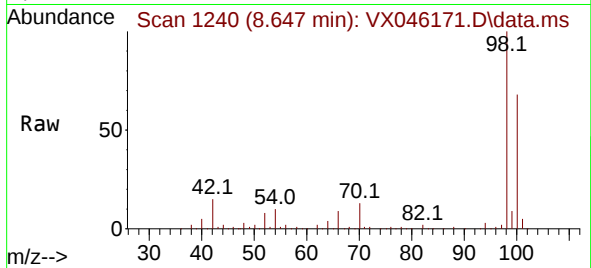




#50
Toluene-d8
Concen: 50.477 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

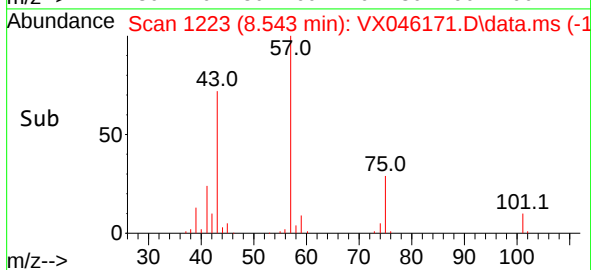
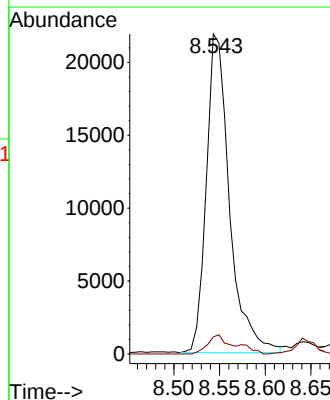
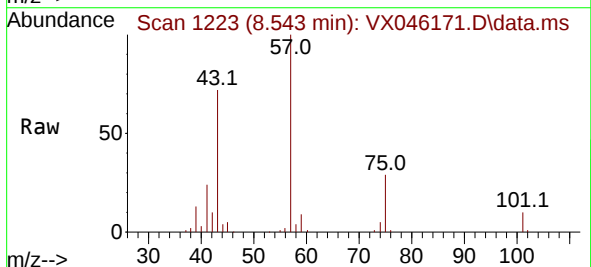
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

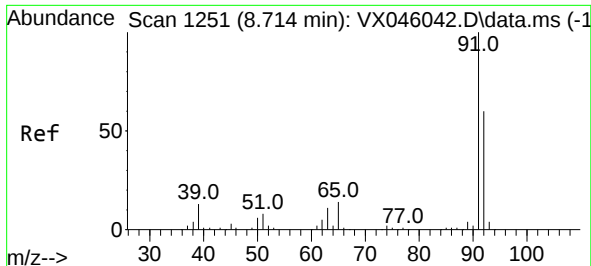
Tgt Ion: 98 Resp: 164266
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.377 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 43 Resp: 38528
Ion Ratio Lower Upper
43 100
58 6.9 28.9 43.3#

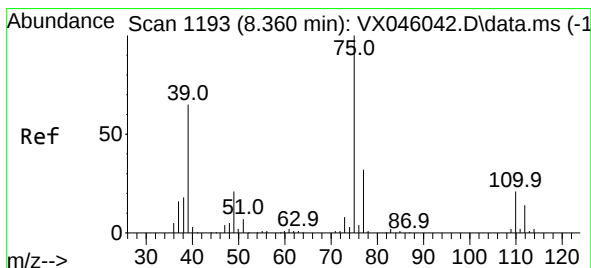
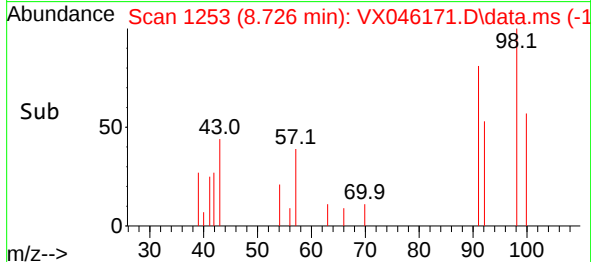
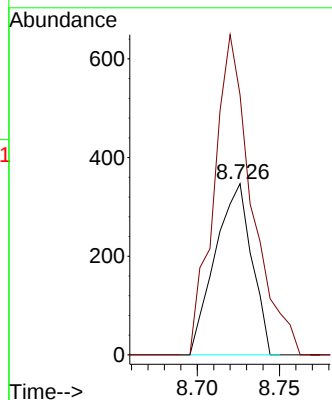
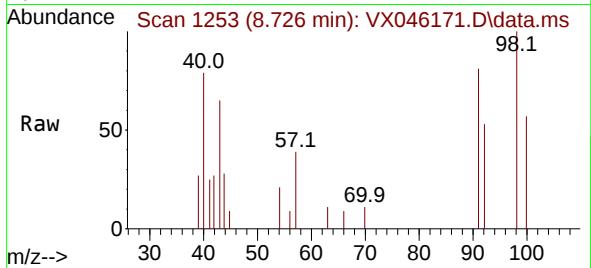




#52
Toluene
Concen: 0.237 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

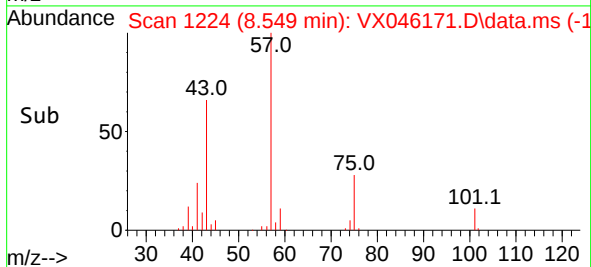
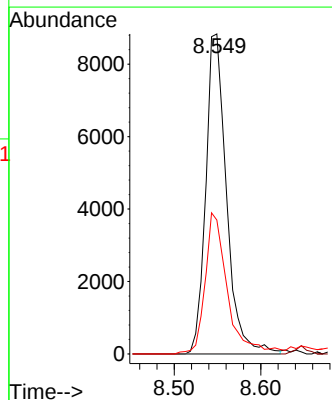
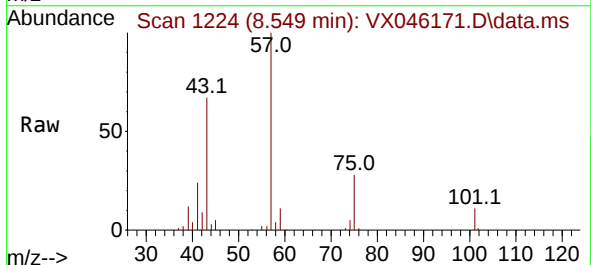
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

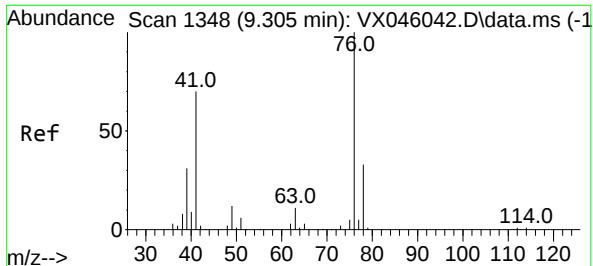
Tgt Ion: 92 Resp: 538
Ion Ratio Lower Upper
92 100
91 194.2 136.6 205.0



#54
cis-1,3-Dichloropropene
Concen: 10.472 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 75 Resp: 14704
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.2 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.874 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

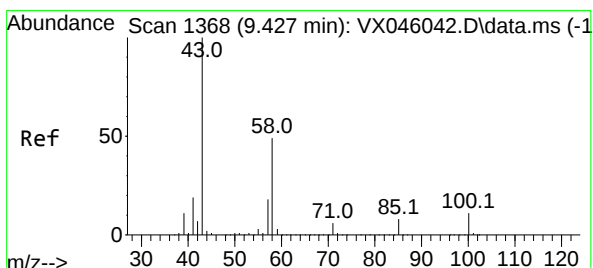
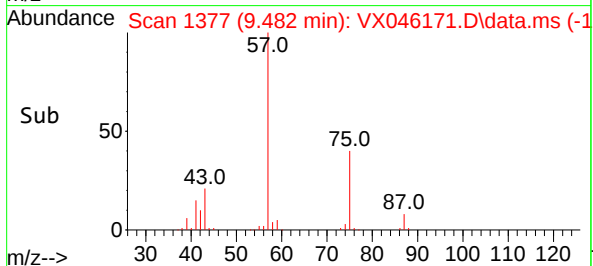
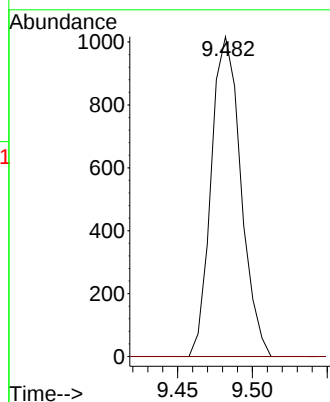
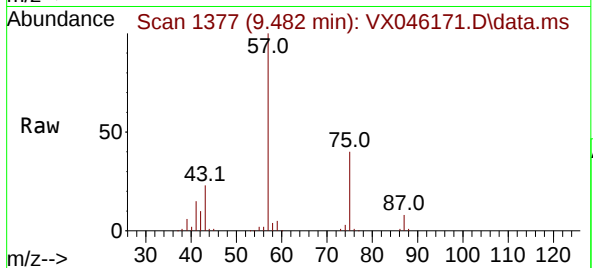
OR-636-COMP-14

Tgt Ion: 76 Resp: 1405

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.009 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046171.D

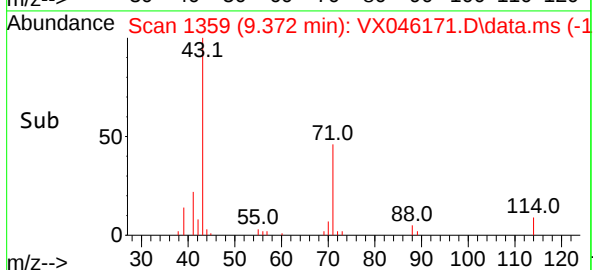
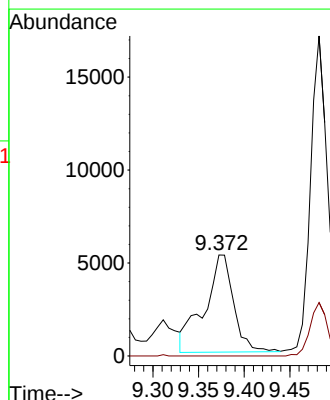
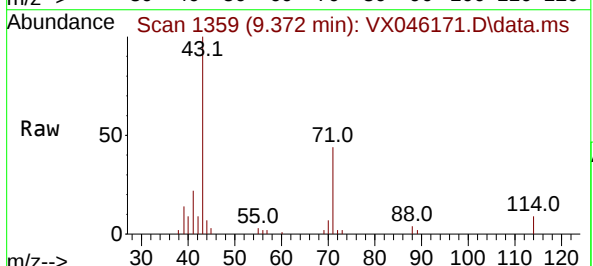
Acq: 13 May 2025 17:08

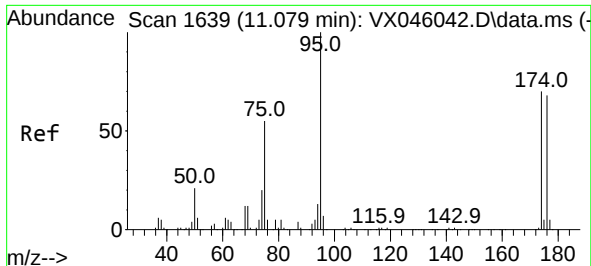
Tgt Ion: 43 Resp: 11704

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

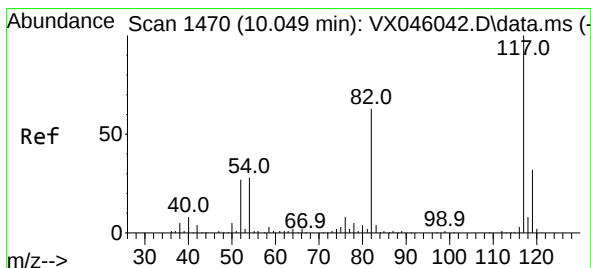
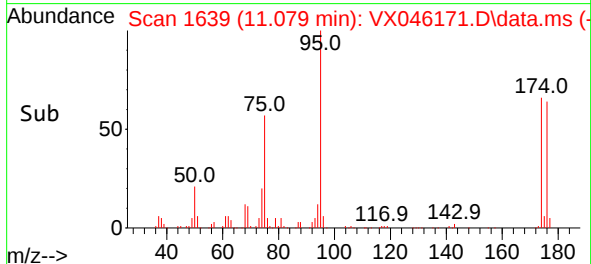
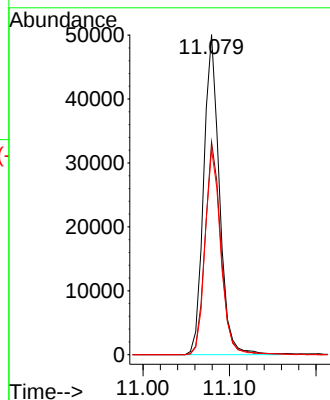
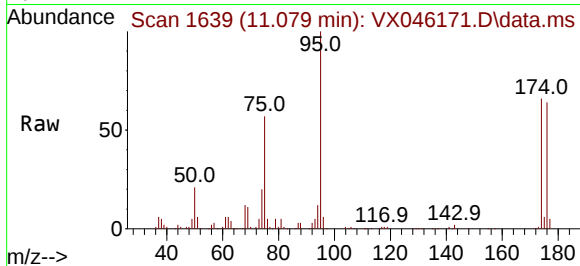




#62
4-Bromofluorobenzene
Concen: 50.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

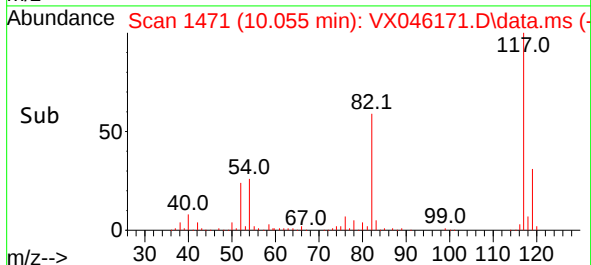
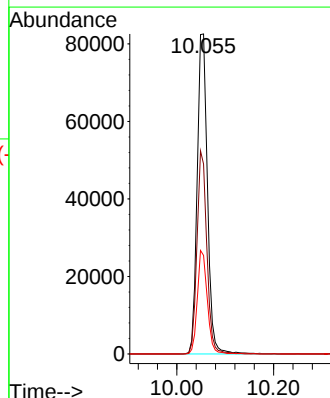
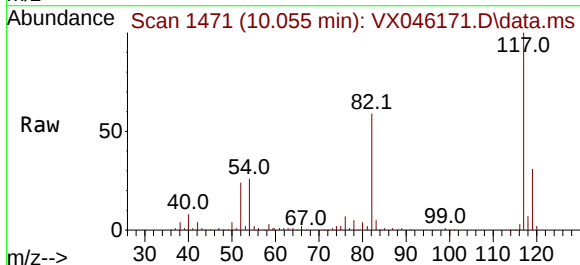
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

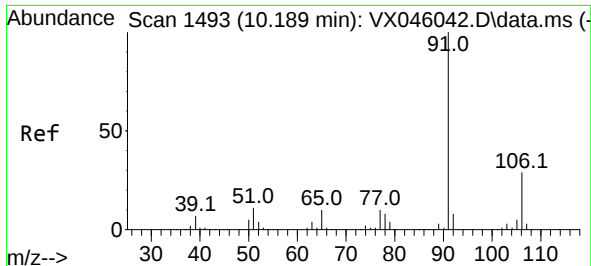
Tgt Ion: 95 Resp: 63027
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Tgt Ion: 117 Resp: 121384
Ion Ratio Lower Upper
117 100
82 59.3 50.6 76.0
119 30.8 25.8 38.6





#67

Ethyl Benzene

Concen: 0.247 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

Instrument :

MSVOA_X

ClientSampleId :

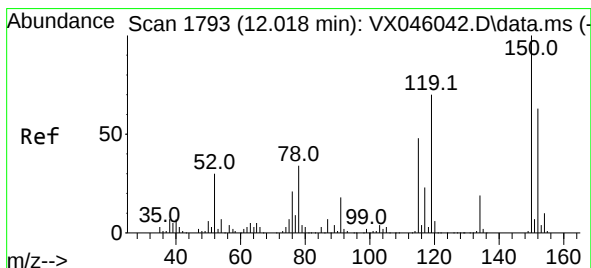
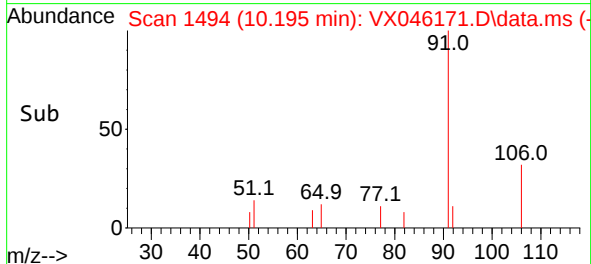
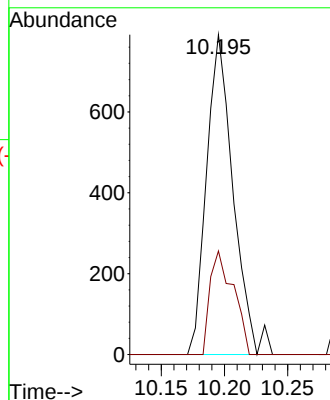
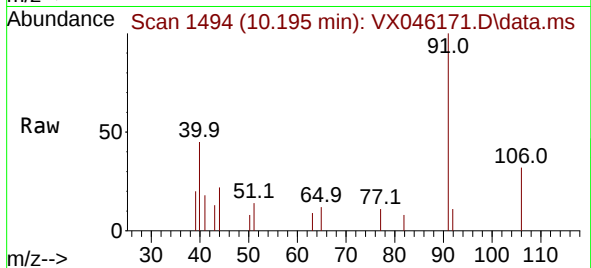
OR-636-COMP-14

Tgt Ion: 91 Resp: 1159

Ion Ratio Lower Upper

91 100

106 32.4 23.4 35.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046171.D

Acq: 13 May 2025 17:08

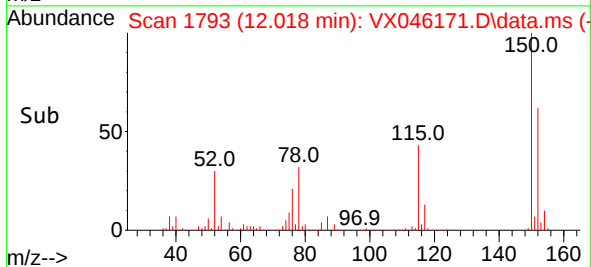
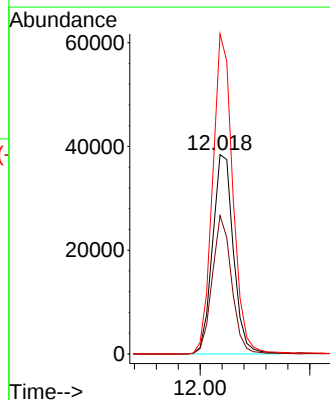
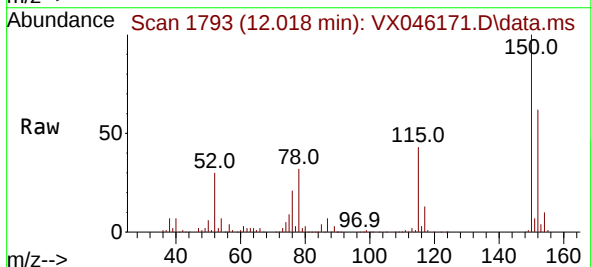
Tgt Ion: 152 Resp: 50876

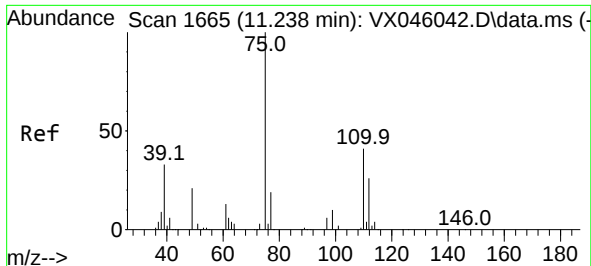
Ion Ratio Lower Upper

152 100

115 64.5 46.9 140.7

150 154.9 0.0 351.0

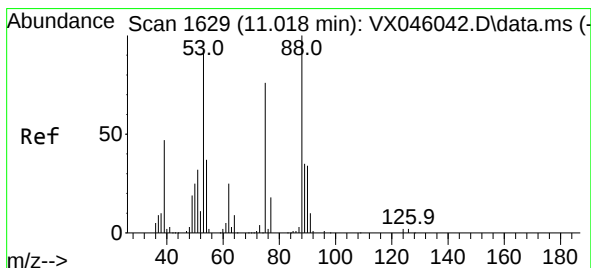
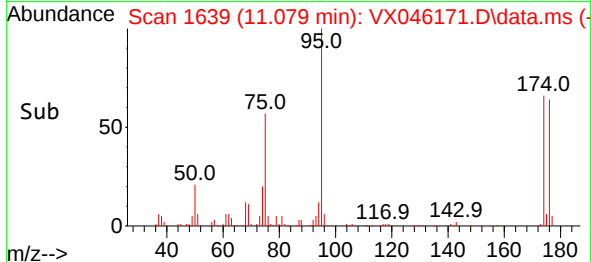
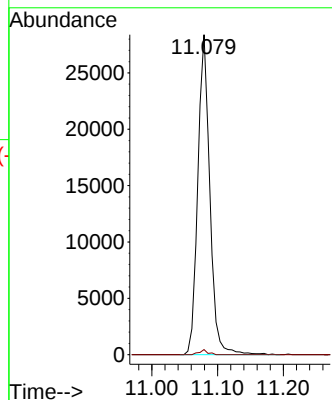
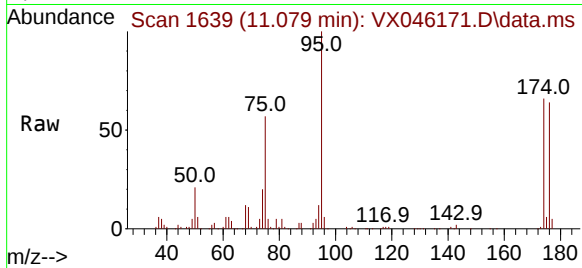




#76
1,2,3-Trichloropropane
Concen: 29.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

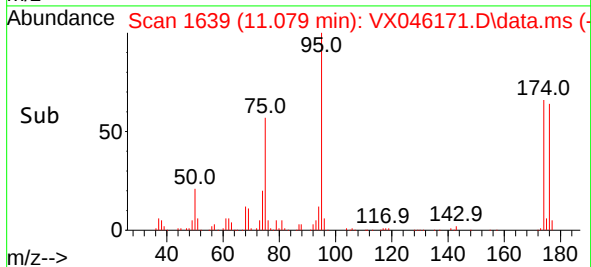
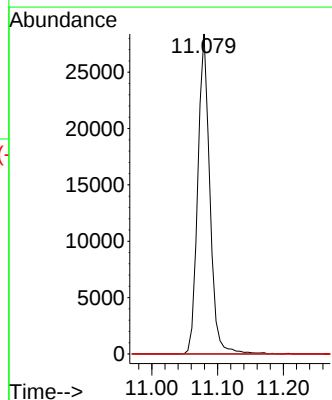
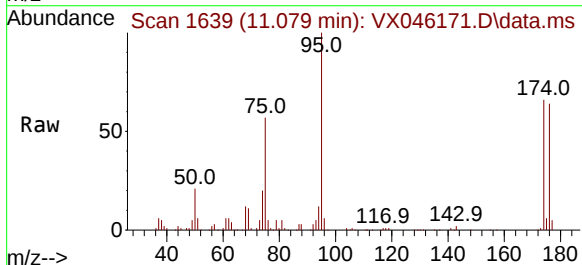
Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14

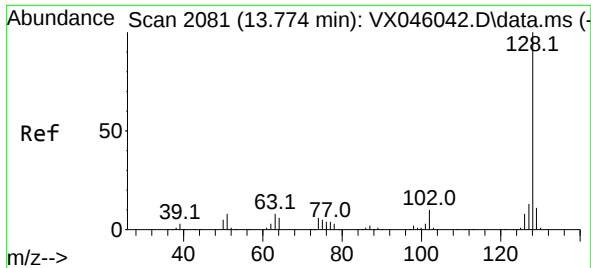
Tgt Ion: 75 Resp: 35890
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

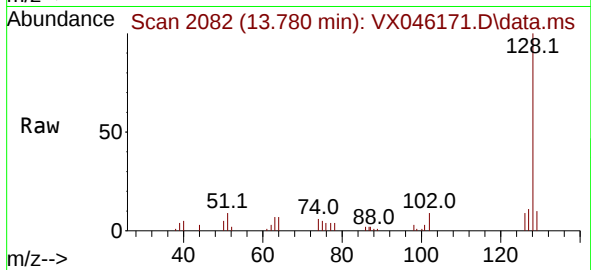
Tgt Ion: 75 Resp: 35890
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 3.946 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046171.D
Acq: 13 May 2025 17:08

Instrument :
MSVOA_X
ClientSampleId :
OR-636-COMP-14



Tgt Ion:128 Resp: 14000
Ion Ratio Lower Upper
128 100
127 11.5 10.4 15.6
129 11.1 8.6 13.0

