

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046328.D
 Acq On : 22 May 2025 14:43
 Operator : JC/MD
 Sample : Q2101-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-MHE

Quant Time: May 23 01:47:49 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)

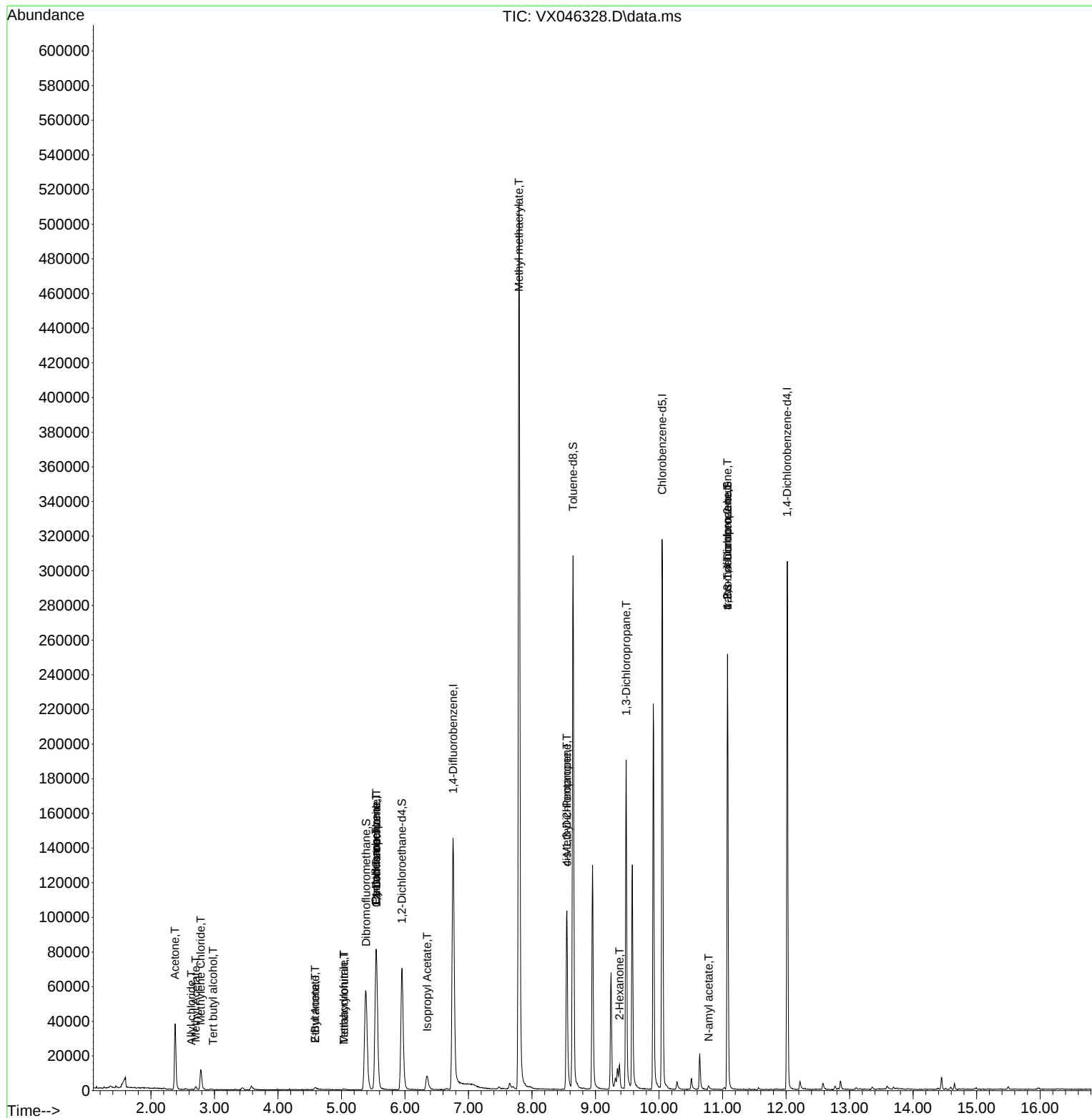
Internal Standards						
1) Pentafluorobenzene	5.543	168	69289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69775	54.015	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	5.385	113	50952	51.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.647	98	172796	50.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	65514	49.602	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.200%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	192	1.059	ug/l #	72
14) Allyl chloride	2.635	41	412	0.262	ug/l #	21
16) Acetone	2.379	43	41799	80.703	ug/l	97
18) Methyl Acetate	2.703	43	2377	1.978	ug/l	96
20) Methylene Chloride	2.782	84	5497	5.538	ug/l	92
25) 2-Butanone	4.586	43	3396	4.516	ug/l	94
29) Tetrahydrofuran	5.037	42	355	0.753	ug/l #	59
31) Cyclohexane	5.543	56	1985	1.289	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	7005	5.241	ug/l #	52
37) Ethyl Acetate	4.586	43	3396	2.056	ug/l #	70
38) Carbon Tetrachloride	5.550	117	8059	5.366	ug/l #	16
41) Methacrylonitrile	5.037	41	205	0.237	ug/l #	45
43) Isopropyl Acetate	6.348	43	12832	5.093	ug/l	98
48) Methyl methacrylate	7.793	41	50612	39.336	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	40604	24.280	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15700	10.567	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1491	0.877	ug/l #	42
59) 2-Hexanone	9.378	43	9303	7.519	ug/l #	28
74) N-amyl acetate	10.780	43	1512	0.701	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	37698	27.934	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37698	90.943	ug/l #	1

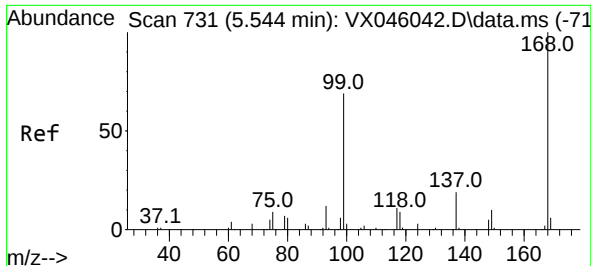
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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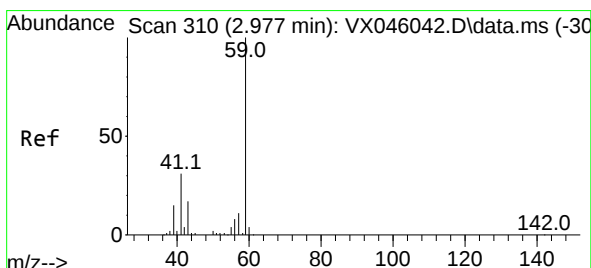
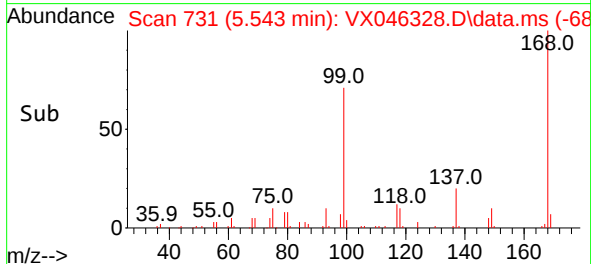
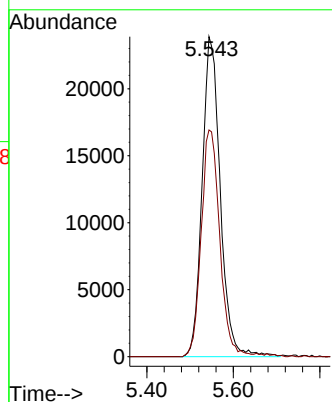
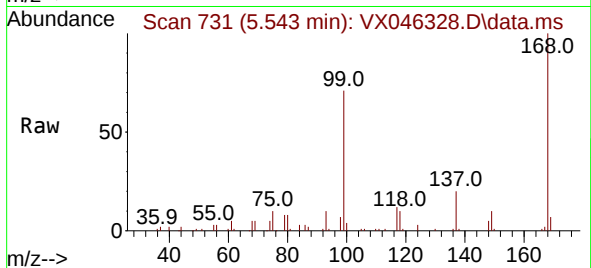




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

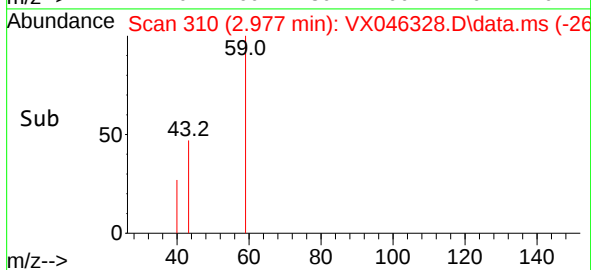
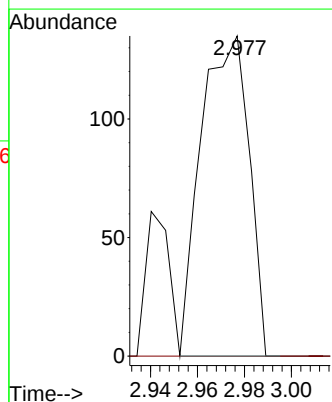
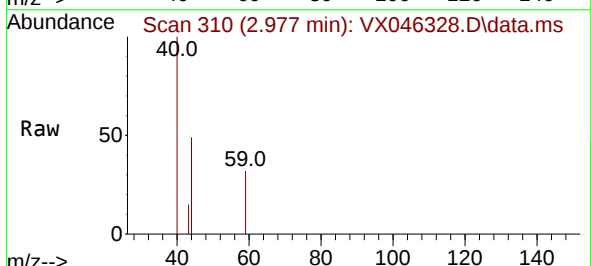
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

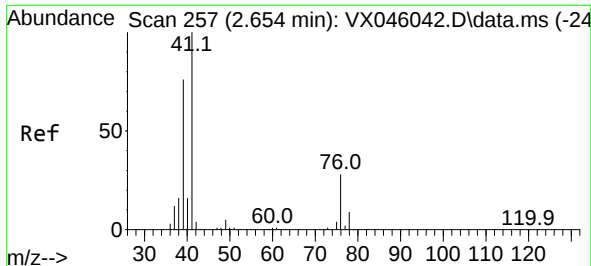
Tgt Ion:168 Resp: 69289
Ion Ratio Lower Upper
168 100
99 70.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.059 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

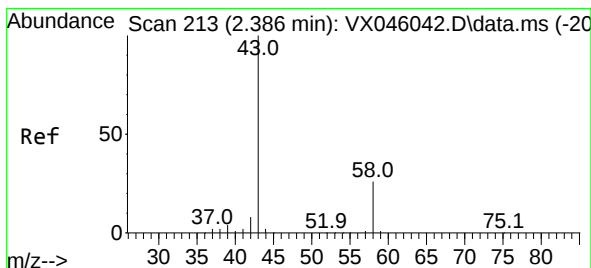
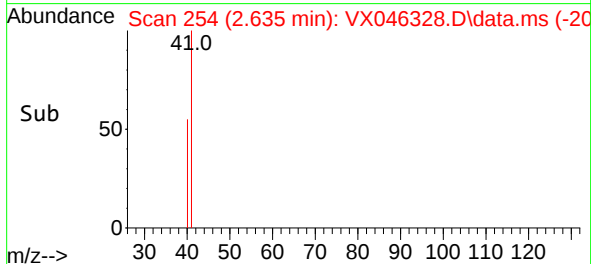
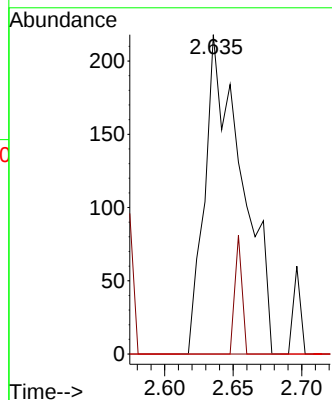
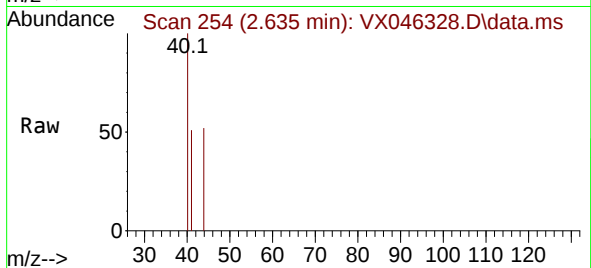




#14
 Allyl chloride
 Concen: 0.262 ug/l
 RT: 2.635 min Scan# 212
 Delta R.T. -0.019 min
 Lab File: VX046328.D
 Acq: 22 May 2025 14:43

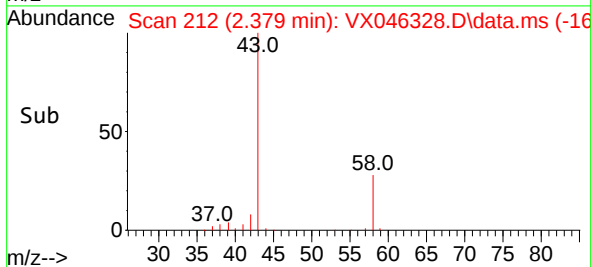
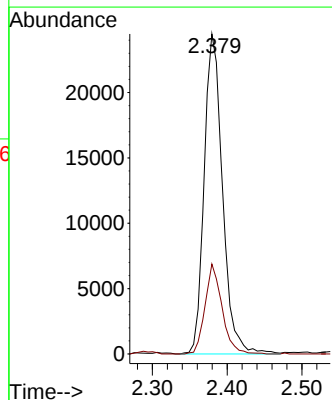
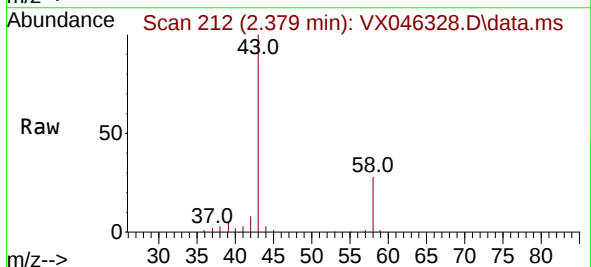
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-MHE

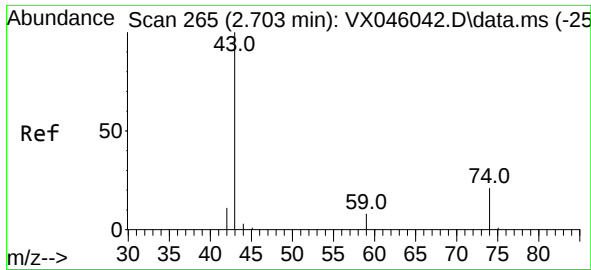
Tgt Ion: 41 Resp: 412
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 80.703 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046328.D
 Acq: 22 May 2025 14:43

Tgt Ion: 43 Resp: 41799
 Ion Ratio Lower Upper
 43 100
 58 28.1 21.2 31.8

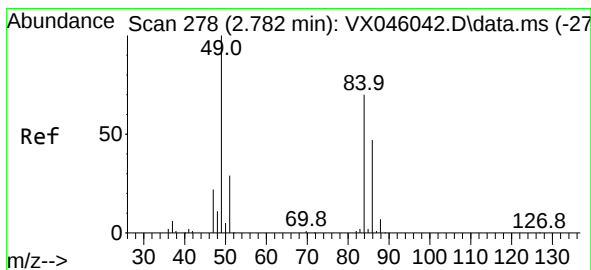
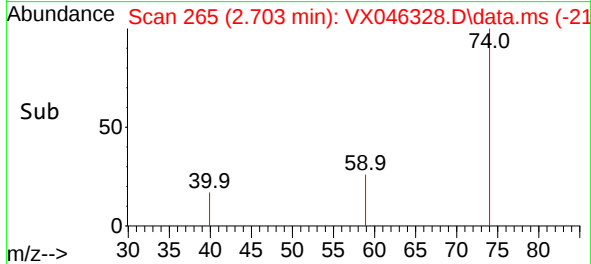
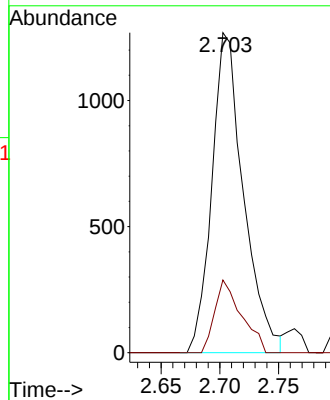
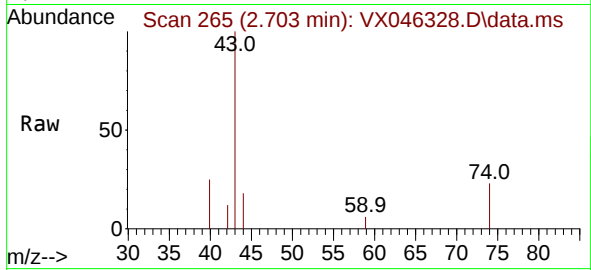




#18
Methyl Acetate
Concen: 1.978 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

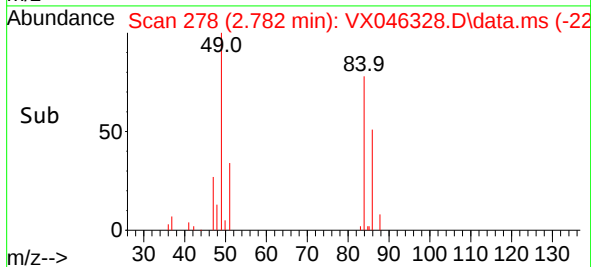
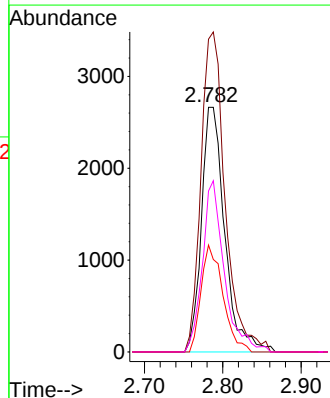
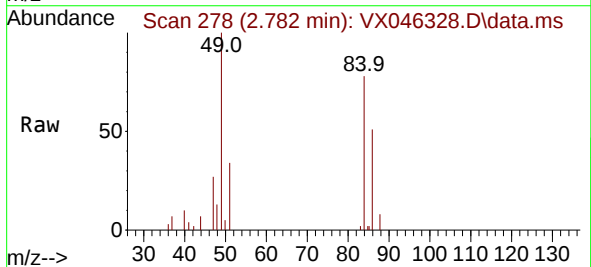
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

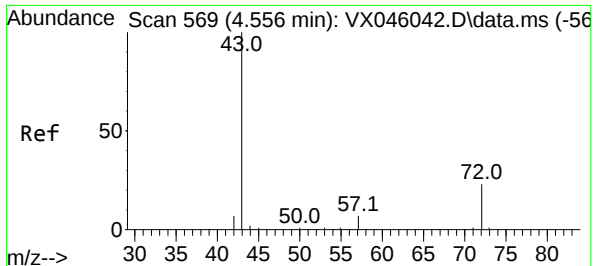
Tgt Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
74 19.1 16.7 25.1



#20
Methylene Chloride
Concen: 5.538 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 84 Resp: 5497
Ion Ratio Lower Upper
84 100
49 127.9 113.9 170.9
51 43.7 33.5 50.3
86 65.8 53.8 80.8





#25

2-Butanone

Concen: 4.516 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX046328.D

Acq: 22 May 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

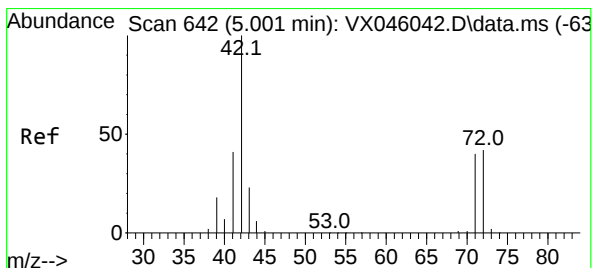
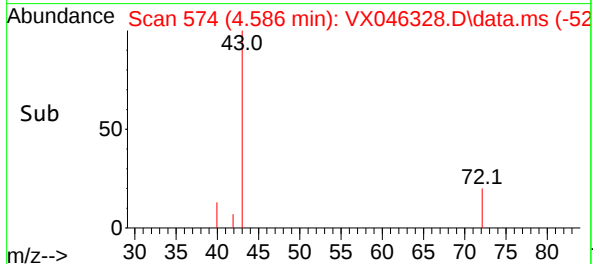
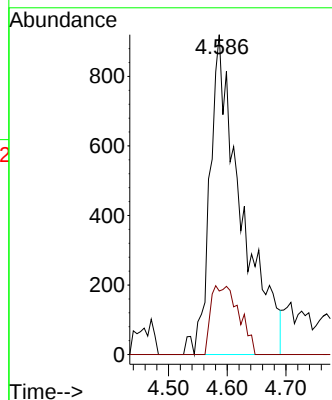
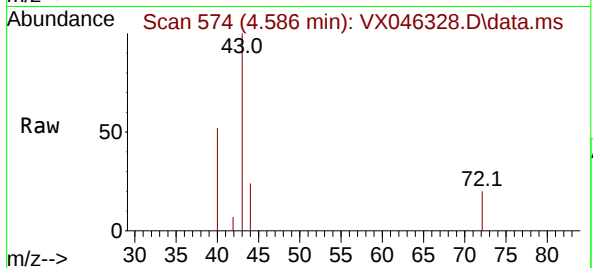
TP-1-MHE

Tgt Ion: 43 Resp: 3396

Ion Ratio Lower Upper

43 100

72 19.9 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.753 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.036 min

Lab File: VX046328.D

Acq: 22 May 2025 14:43

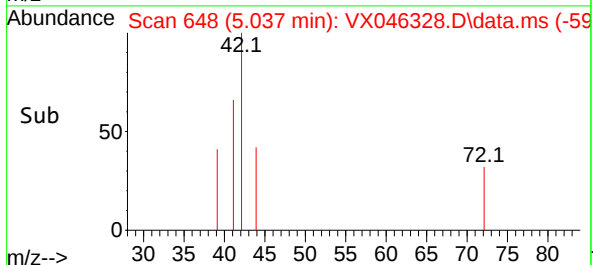
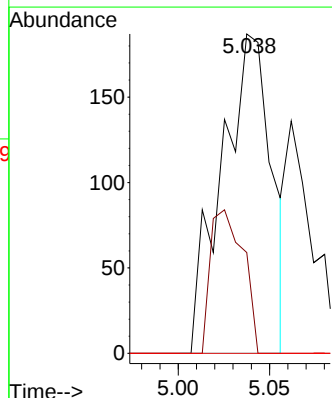
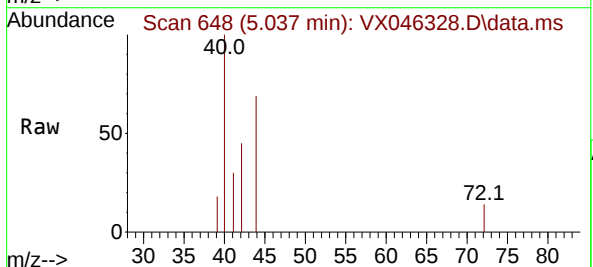
Tgt Ion: 42 Resp: 355

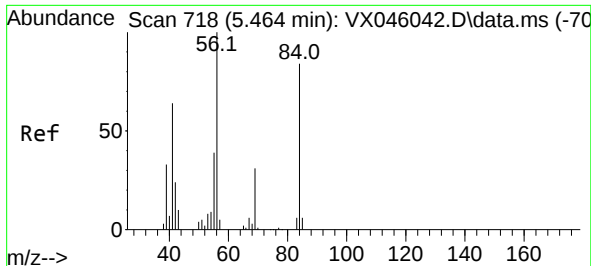
Ion Ratio Lower Upper

42 100

72 29.6 33.7 50.5#

71 0.0 31.4 47.2#

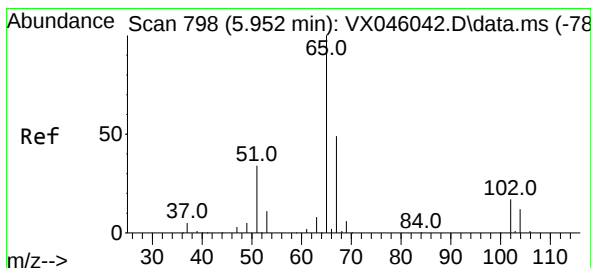
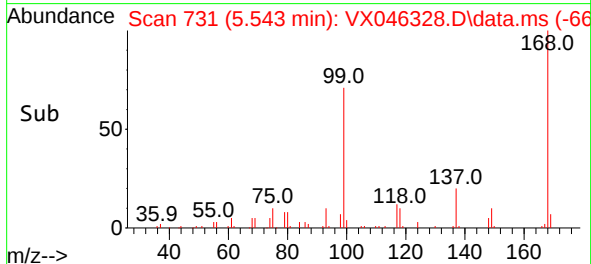
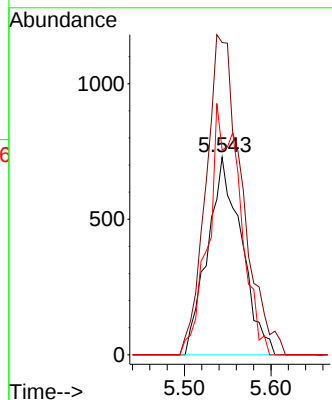
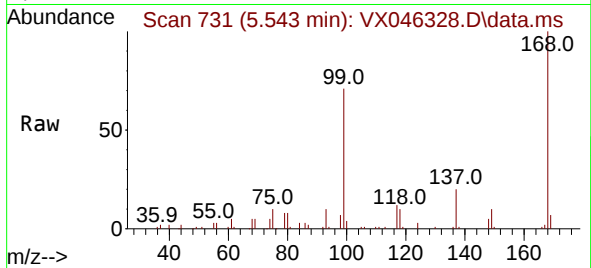




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

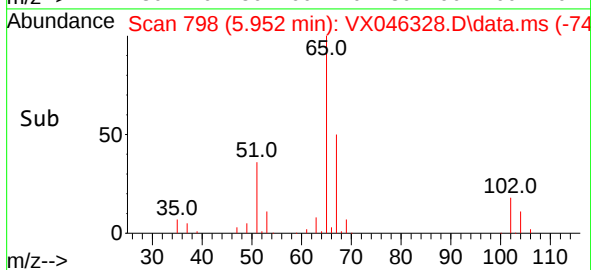
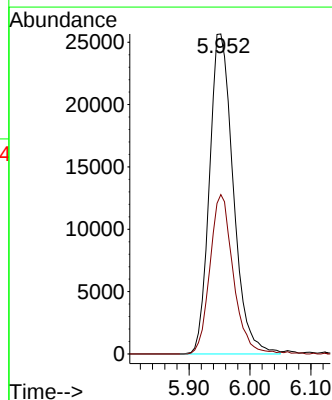
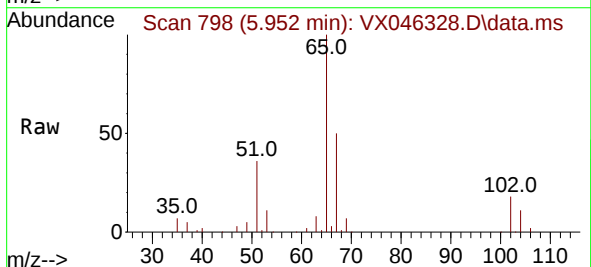
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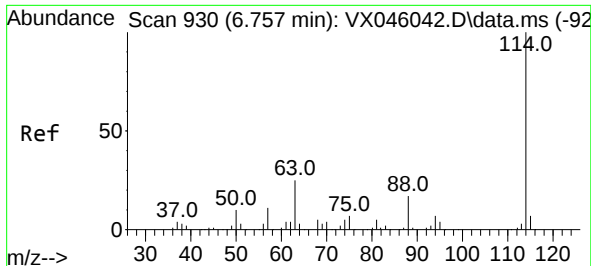
Tgt Ion: 56 Resp: 1985
Ion Ratio Lower Upper
56 100
69 158.0 24.4 36.6#
84 103.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.015 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 65 Resp: 69775
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

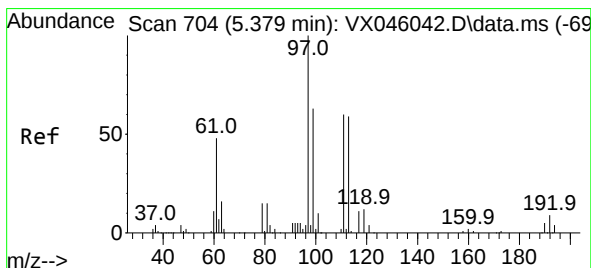
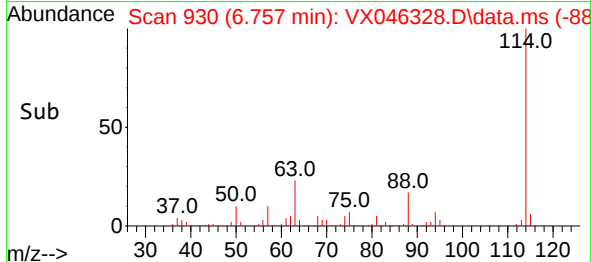
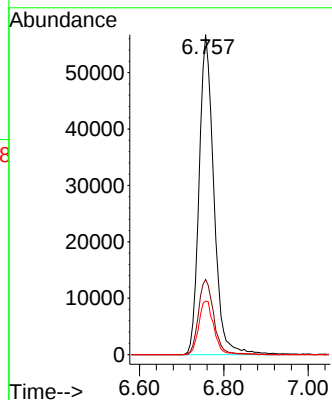
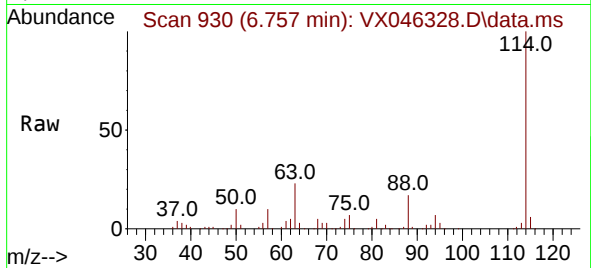




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

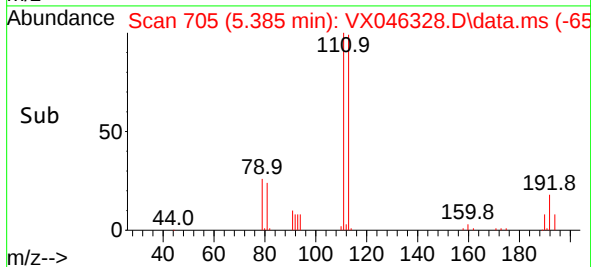
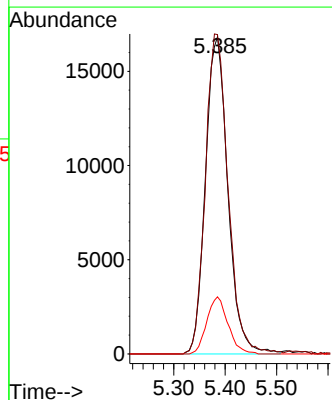
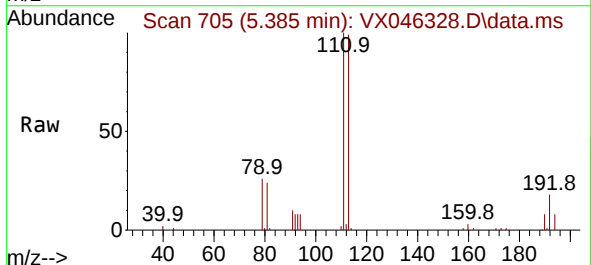
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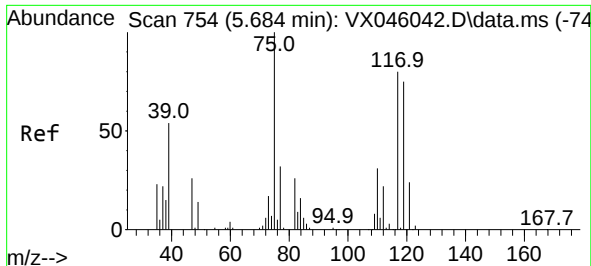
Tgt Ion:114 Resp: 138151
Ion Ratio Lower Upper
114 100
63 23.5 0.0 49.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.217 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion:113 Resp: 50952
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 17.0 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.241 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046328.D

Acq: 22 May 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TP-1-MHE

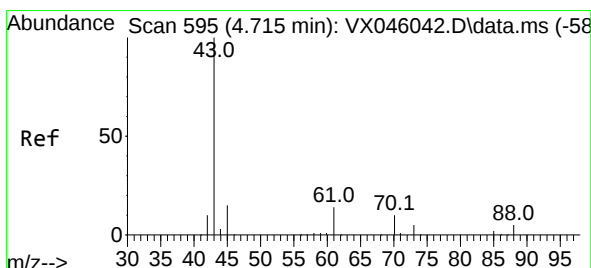
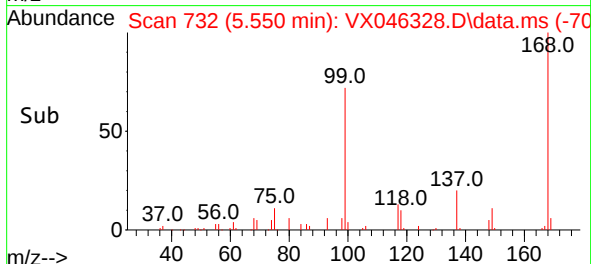
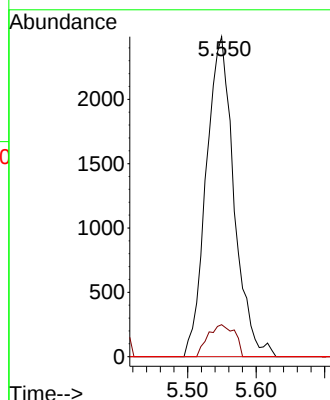
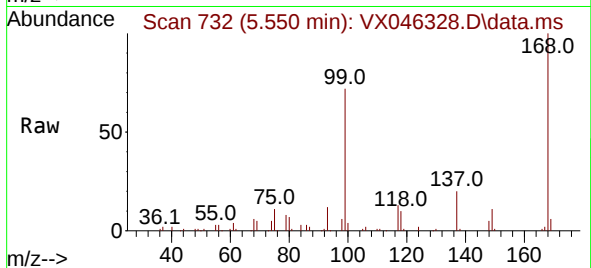
Tgt Ion: 75 Resp: 7005

Ion Ratio Lower Upper

75 100

110 9.6 16.3 48.9#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 2.056 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.128 min

Lab File: VX046328.D

Acq: 22 May 2025 14:43

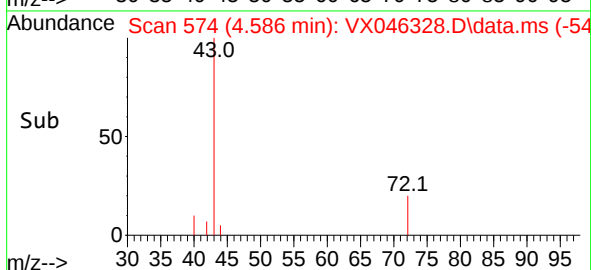
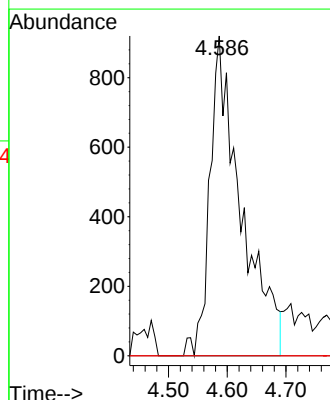
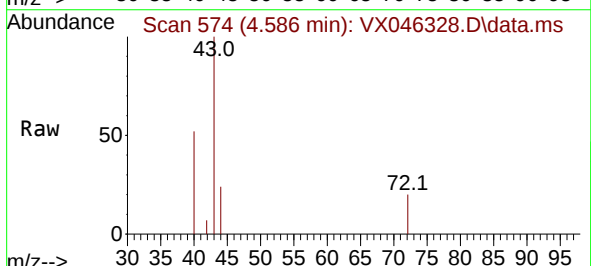
Tgt Ion: 43 Resp: 3396

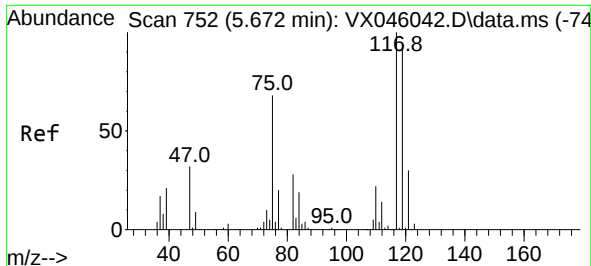
Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 7.9 11.9#

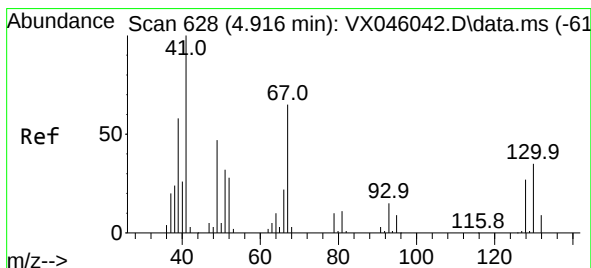
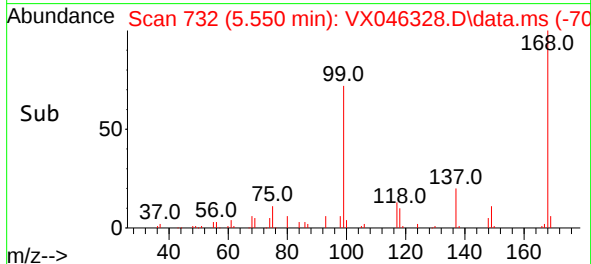
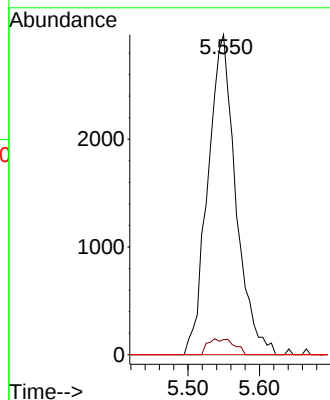
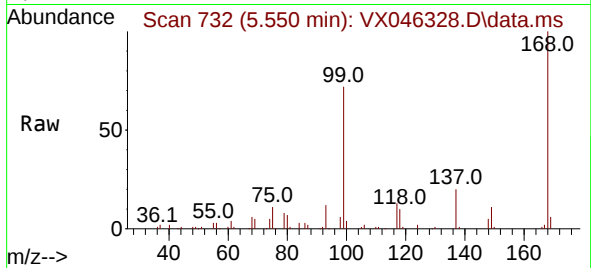




#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

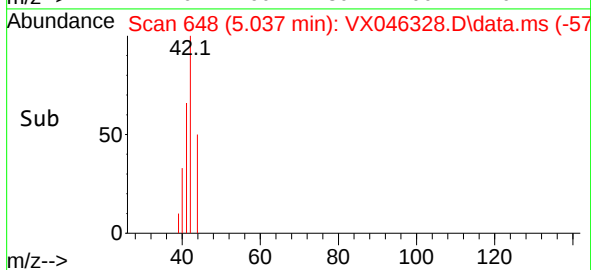
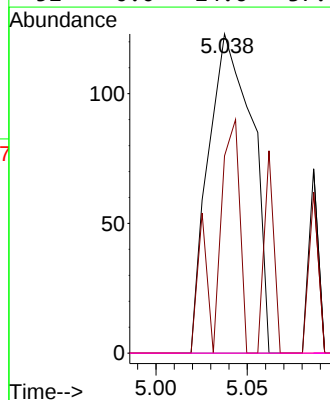
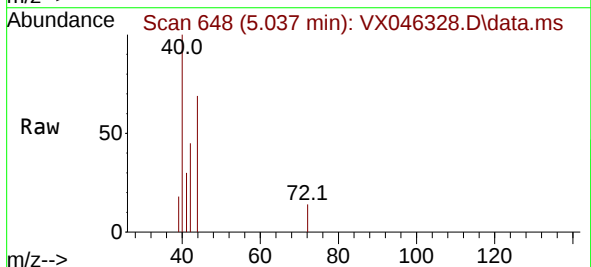
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

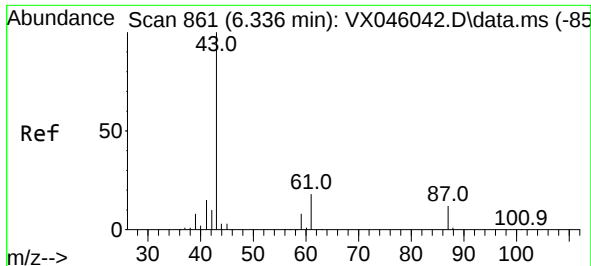
Tgt Ion:117 Resp: 8059
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.237 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 41 Resp: 205
Ion Ratio Lower Upper
41 100
39 39.0 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

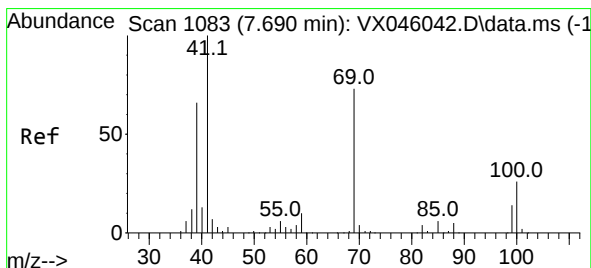
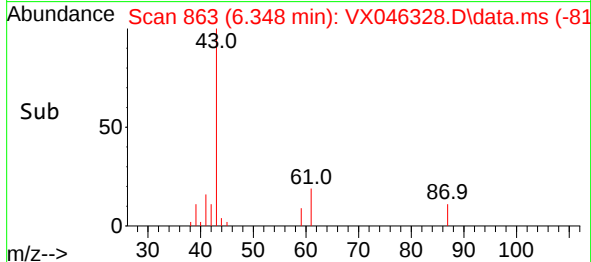
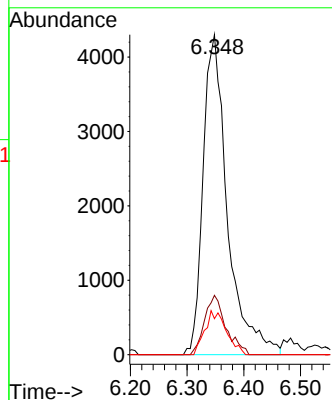
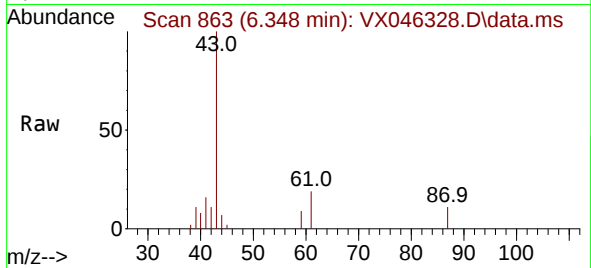




#43
Isopropyl Acetate
Concen: 5.093 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

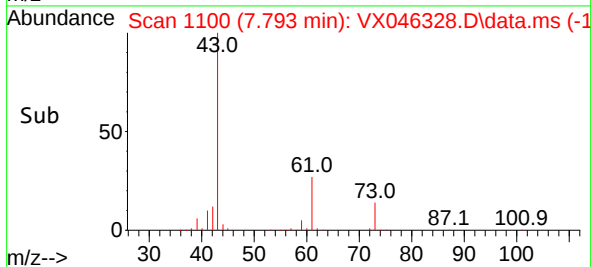
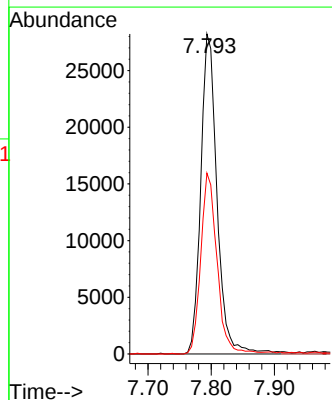
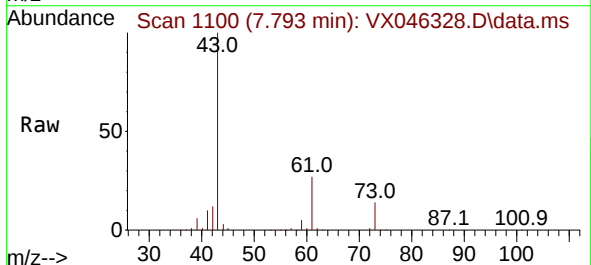
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

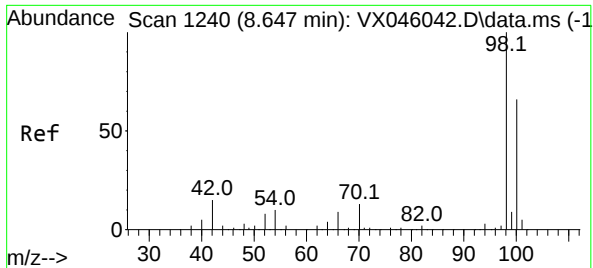
Tgt Ion: 43 Resp: 12832
Ion Ratio Lower Upper
43 100
61 16.3 14.3 21.5
87 12.1 9.5 14.3



#48
Methyl methacrylate
Concen: 39.336 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 41 Resp: 50612
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.4 51.7 77.5

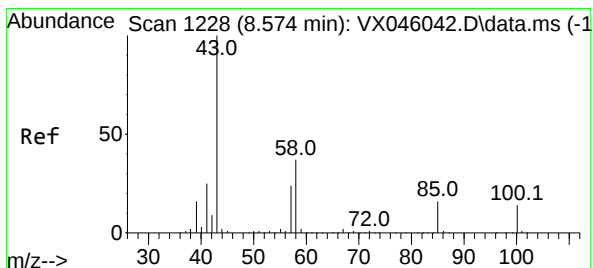
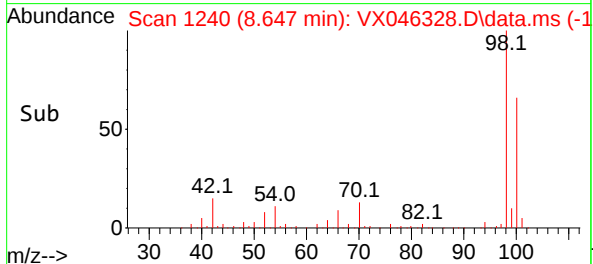
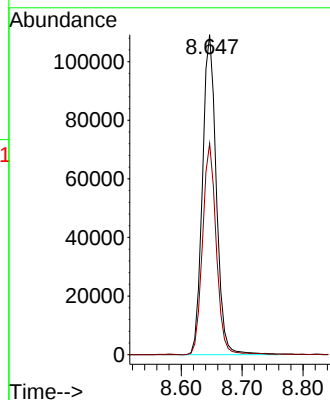
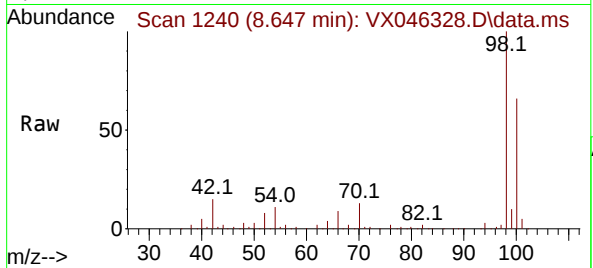




#50
Toluene-d8
Concen: 50.184 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

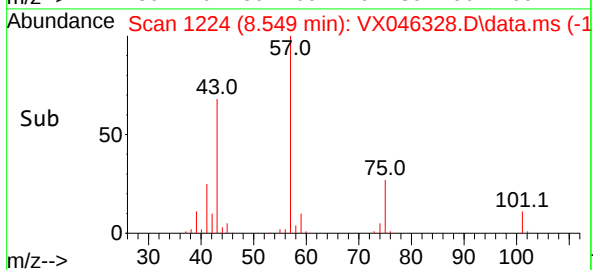
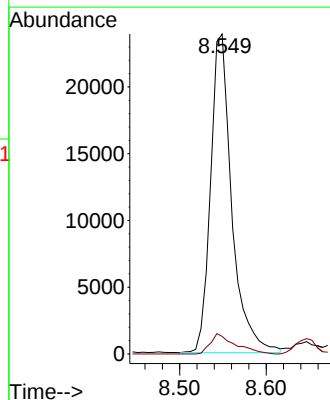
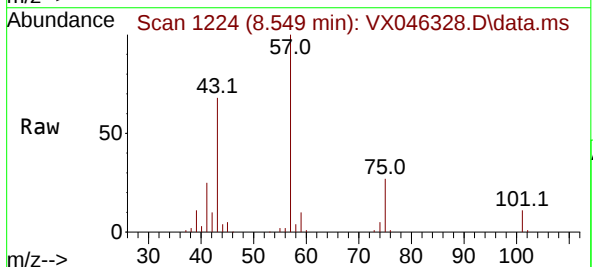
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

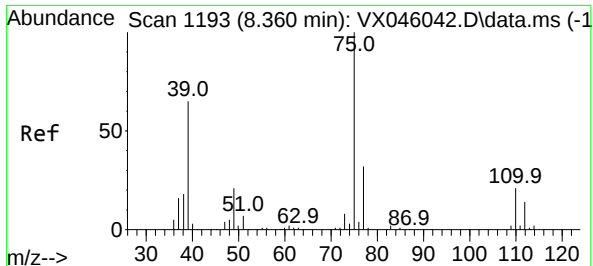
Tgt Ion: 98 Resp: 172796
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.280 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 43 Resp: 40604
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#

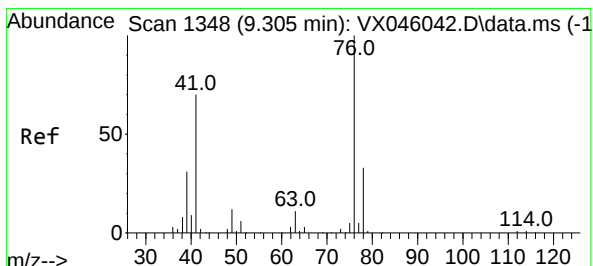
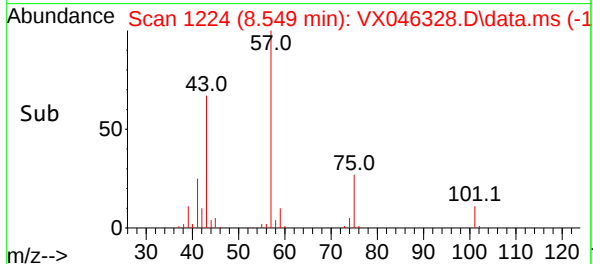
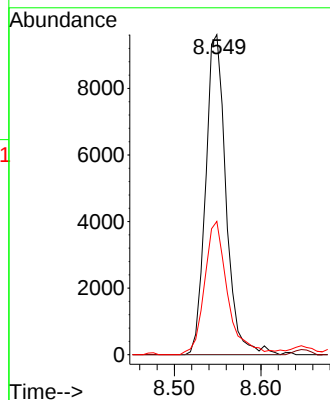
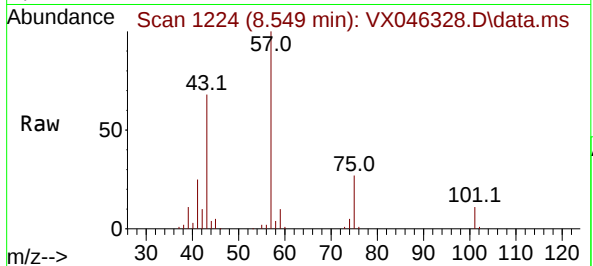




#54
 cis-1,3-Dichloropropene
 Concen: 10.567 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046328.D
 Acq: 22 May 2025 14:43

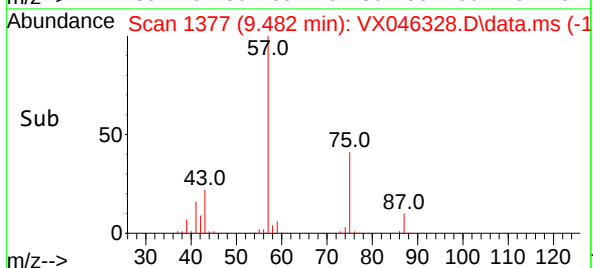
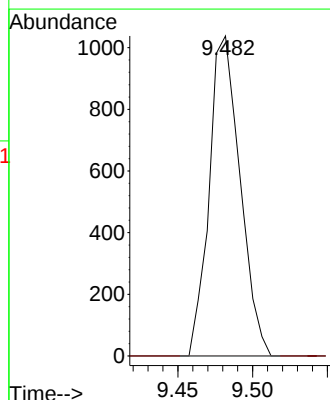
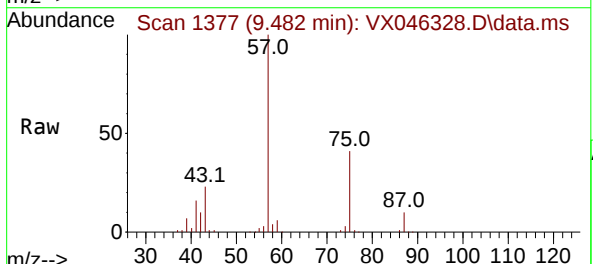
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-MHE

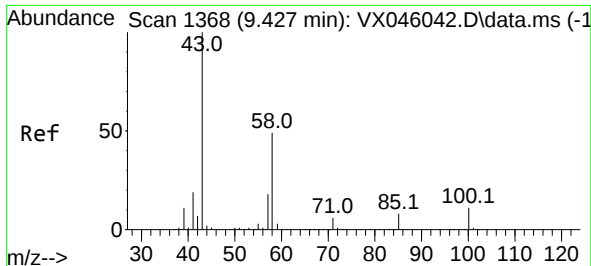
Tgt Ion: 75 Resp: 15700
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 41.6 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.877 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046328.D
 Acq: 22 May 2025 14:43

Tgt Ion: 76 Resp: 1491
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

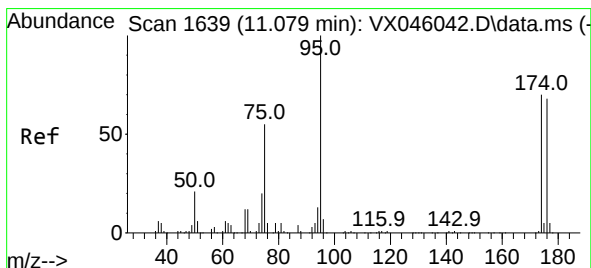
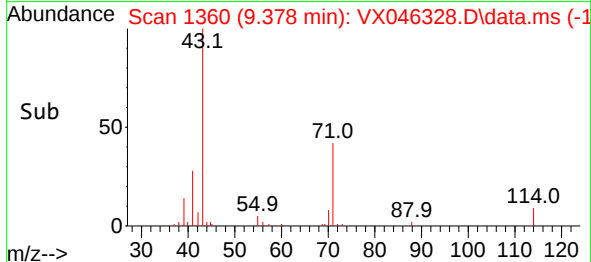
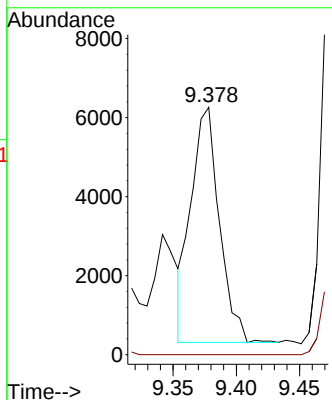
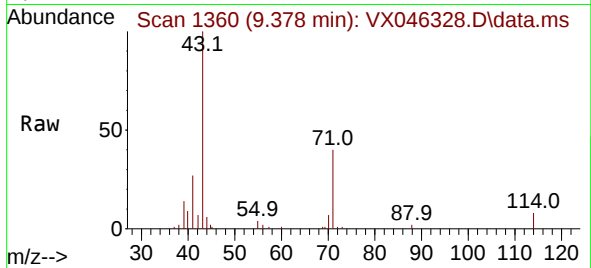




#59
2-Hexanone
Concen: 7.519 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

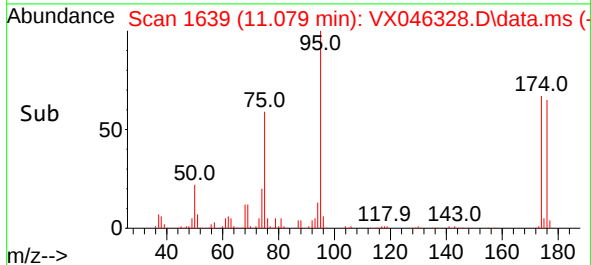
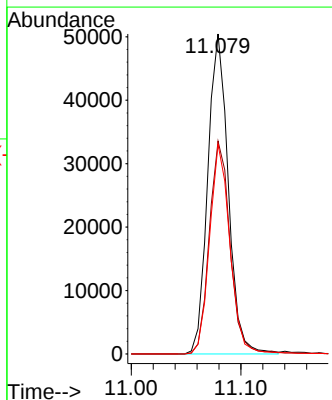
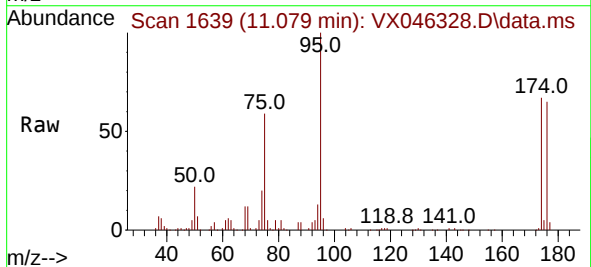
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

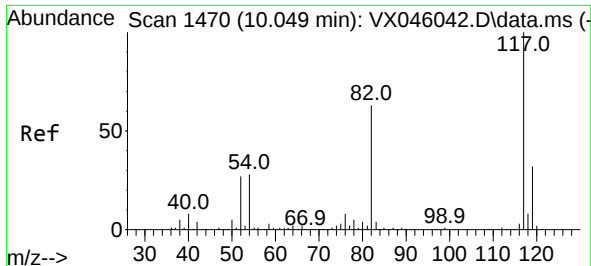
Tgt Ion: 43 Resp: 9303
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 49.602 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion: 95 Resp: 65514
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.2 0.0 131.4

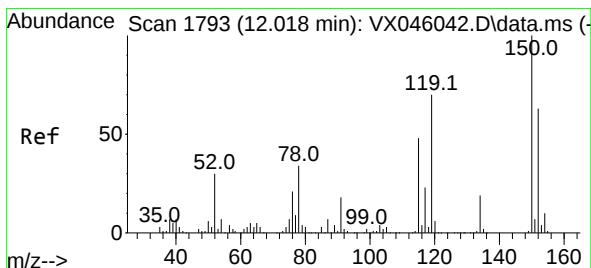
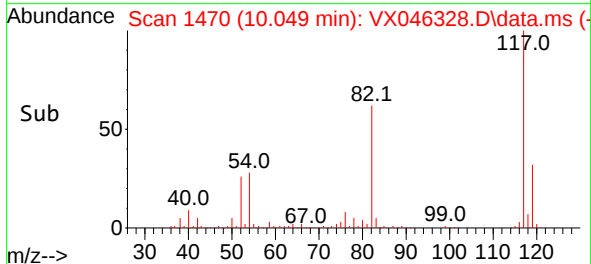
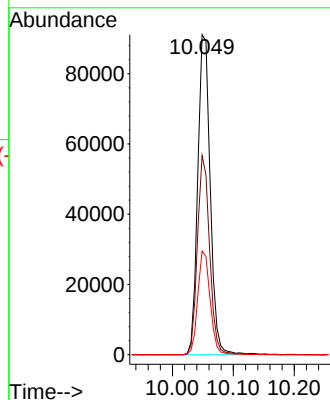
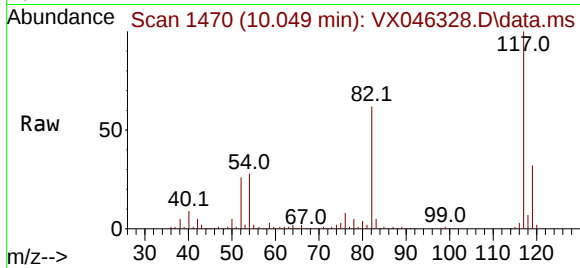




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

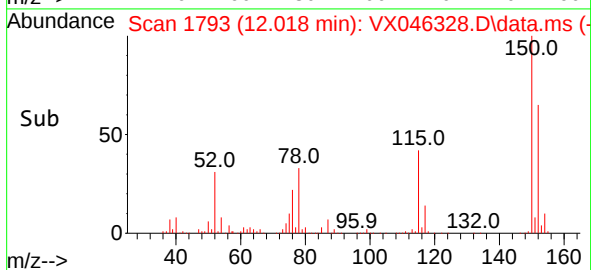
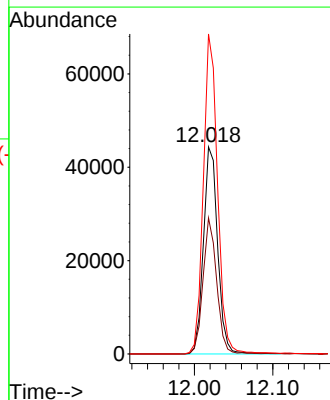
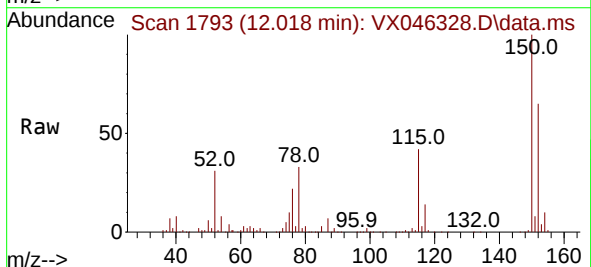
Instrument :
MSVOA_X
ClientSampleId :
TP-1-MHE

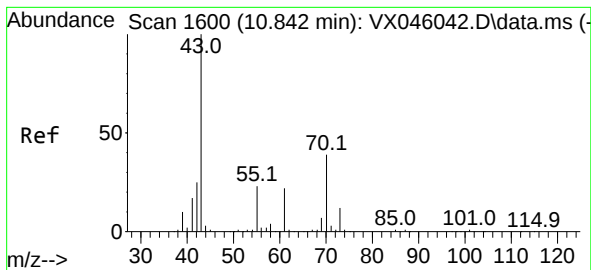
Tgt Ion:117 Resp: 129525
Ion Ratio Lower Upper
117 100
82 62.2 50.6 76.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046328.D
Acq: 22 May 2025 14:43

Tgt Ion:152 Resp: 56067
Ion Ratio Lower Upper
152 100
115 63.0 46.9 140.7
150 154.1 0.0 351.0





#74

N-amy1 acetate

Concen: 0.701 ug/l

RT: 10.780 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX046328.D

Acq: 22 May 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TP-1-MHE

Tgt Ion: 43 Resp: 1512

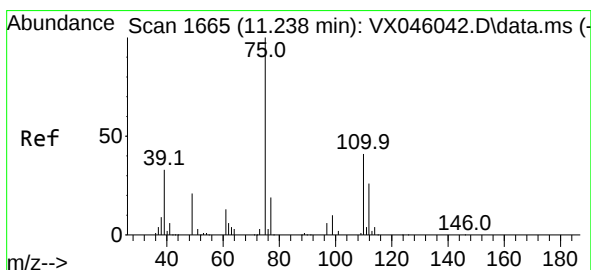
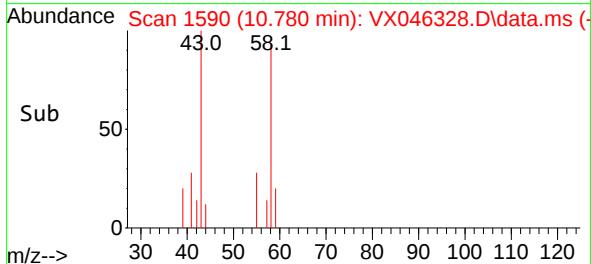
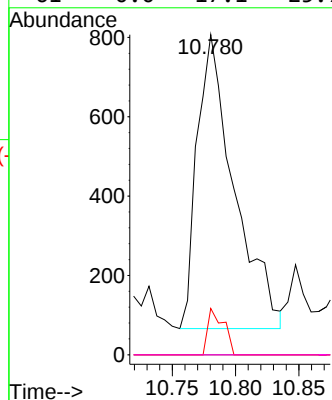
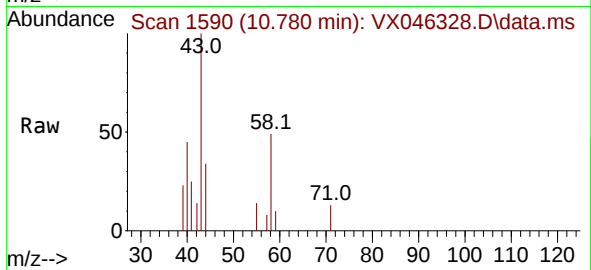
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 6.7 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 27.934 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046328.D

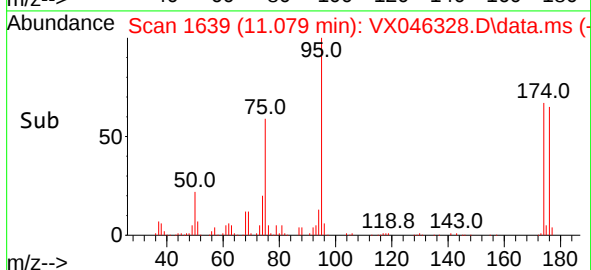
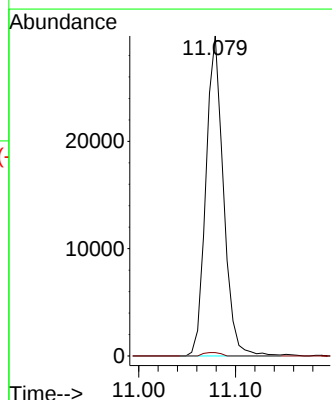
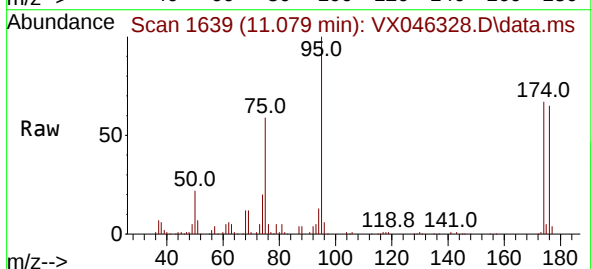
Acq: 22 May 2025 14:43

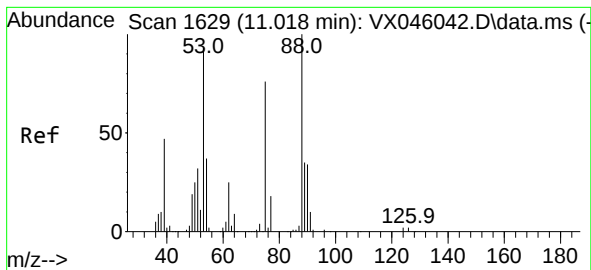
Tgt Ion: 75 Resp: 37698

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.943 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046328.D
 Acq: 22 May 2025 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1-MHE

Tgt Ion: 75 Resp: 37698
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

