

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046325.D
 Acq On : 22 May 2025 13:33
 Operator : JC/MD
 Sample : Q2097-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR251372

Quant Time: May 23 01:46:23 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)

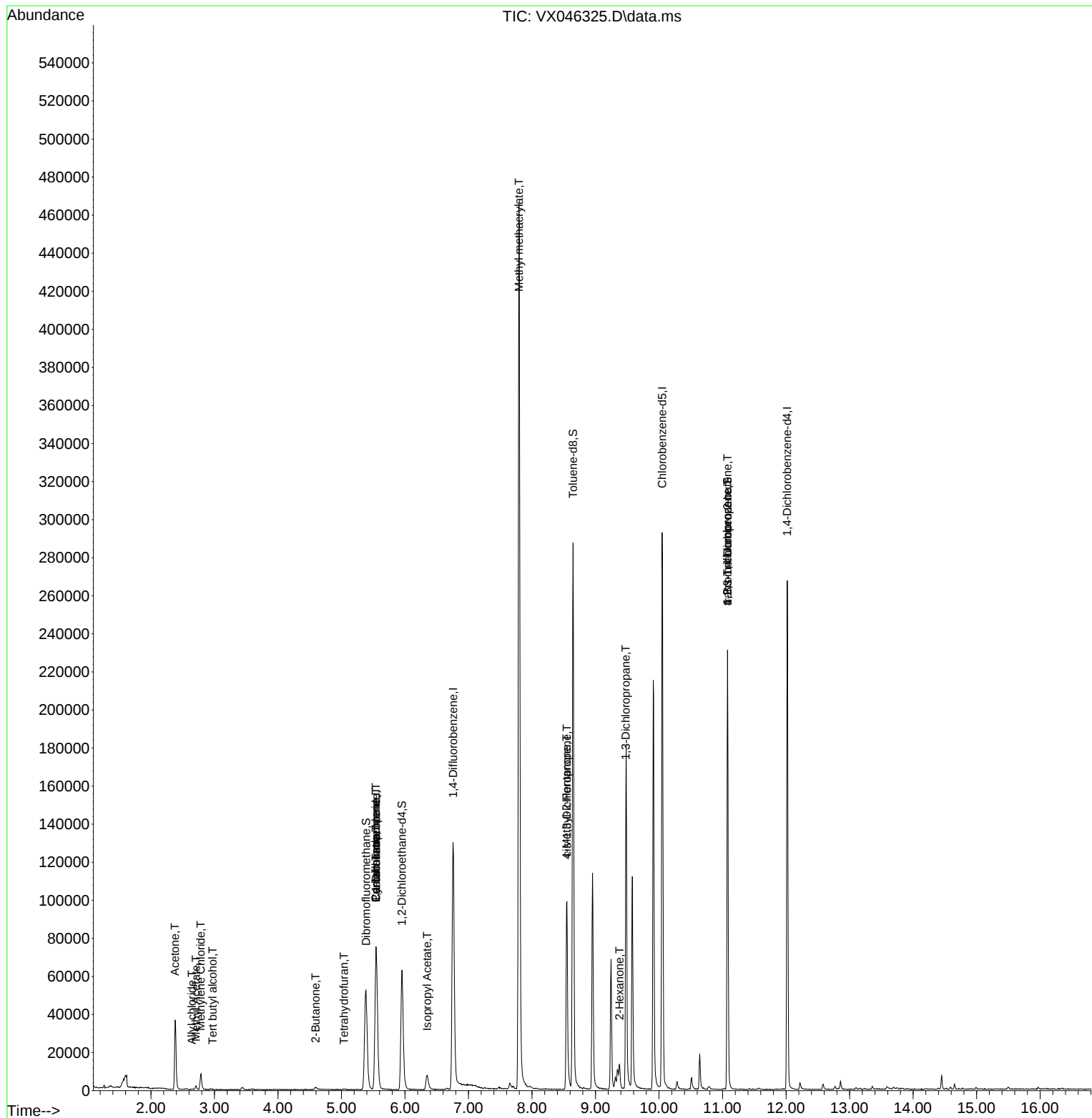
Internal Standards						
1) Pentafluorobenzene	5.544	168	62715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63240	54.088	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.180%		
35) Dibromofluoromethane	5.385	113	45801	50.607	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.220%		
50) Toluene-d8	8.647	98	158834	50.706	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.420%		
62) 4-Bromofluorobenzene	11.079	95	60015	49.948	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.900%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	106	0.646	ug/l #	72
14) Allyl chloride	2.642	41	300	0.211	ug/l #	21
16) Acetone	2.380	43	40535	86.466	ug/l	99
18) Methyl Acetate	2.709	43	2446	2.248	ug/l	96
20) Methylene Chloride	2.782	84	3458	3.849	ug/l	92
25) 2-Butanone	4.593	43	2581	3.792	ug/l #	75
29) Tetrahydrofuran	5.038	42	243	0.570	ug/l #	51
31) Cyclohexane	5.544	56	1759	1.262	ug/l #	19
36) 1,1-Dichloropropene	5.544	75	6096	5.013	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7258	5.312	ug/l #	16
43) Isopropyl Acetate	6.348	43	11331	4.944	ug/l #	94
48) Methyl methacrylate	7.793	41	46195	39.466	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	39812	26.169	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	15020	11.113	ug/l #	63
57) 1,3-Dichloropropane	9.476	76	1509	0.976	ug/l #	42
59) 2-Hexanone	9.378	43	12306	10.933	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35087	29.820	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35087	97.084	ug/l #	1

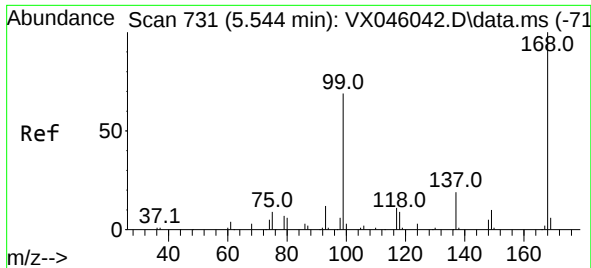
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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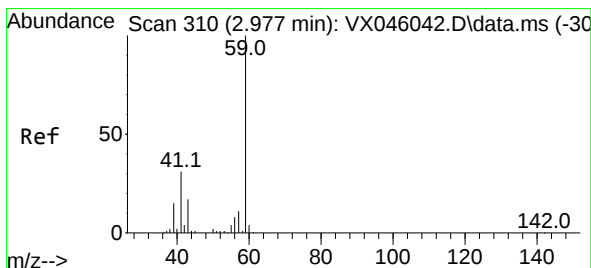
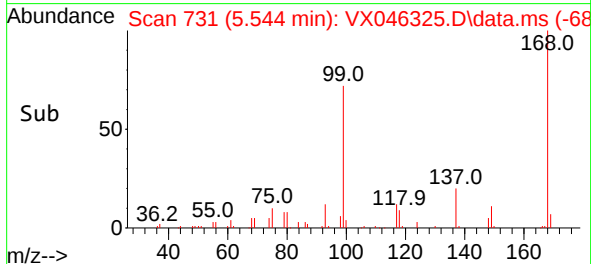
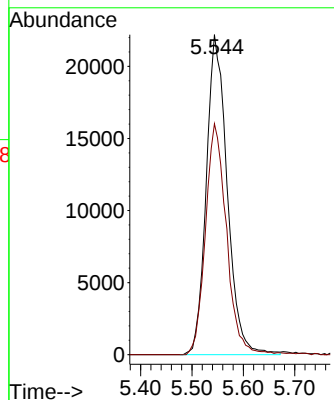
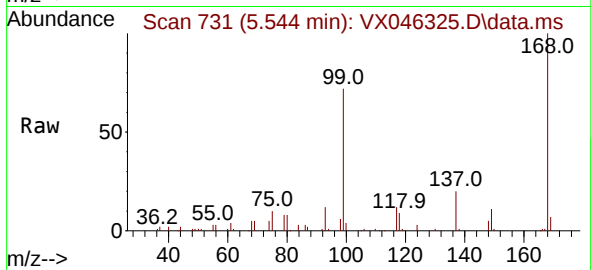




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

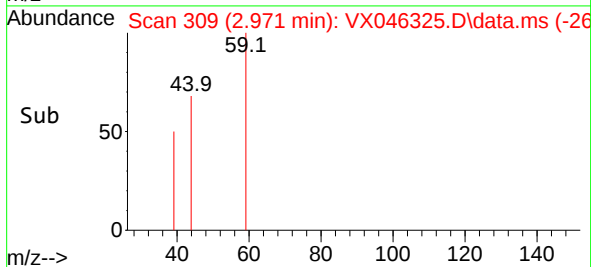
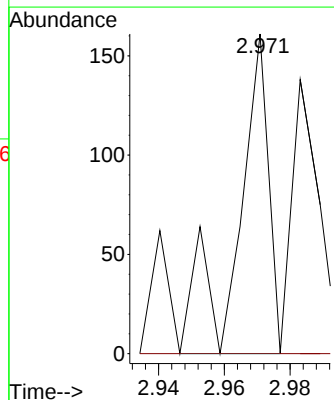
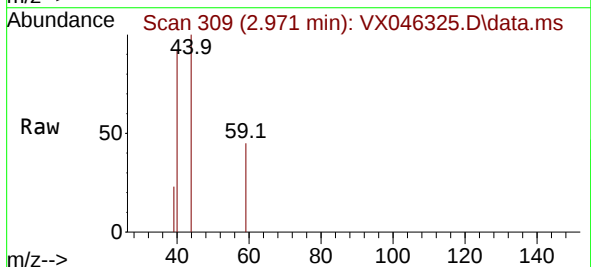
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

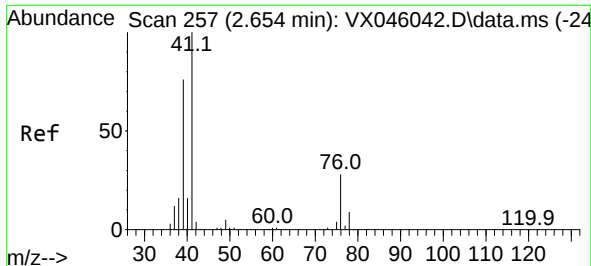
Tgt Ion:168 Resp: 62715
Ion Ratio Lower Upper
168 100
99 72.1 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.646 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

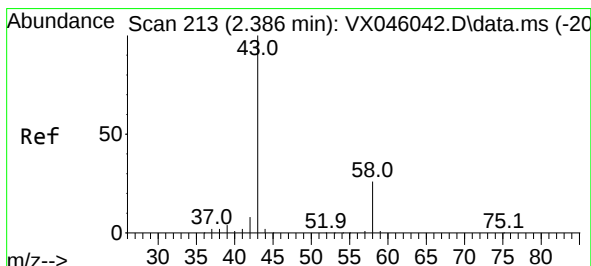
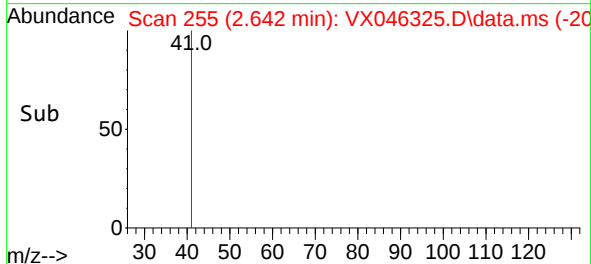
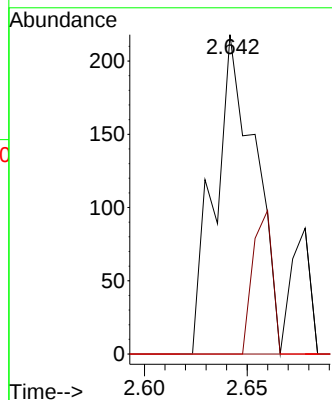
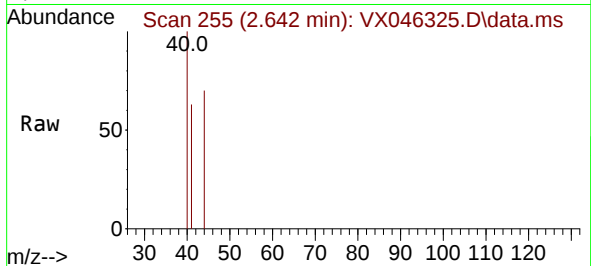




#14
 Allyl chloride
 Concen: 0.211 ug/l
 RT: 2.642 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX046325.D
 Acq: 22 May 2025 13:33

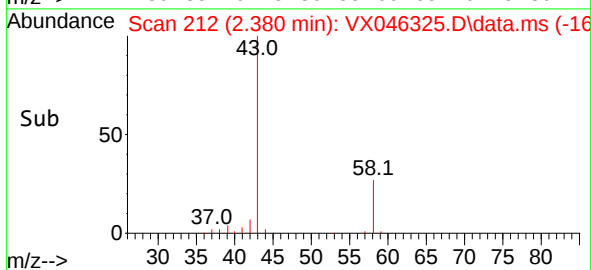
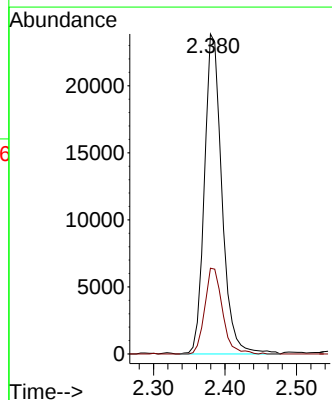
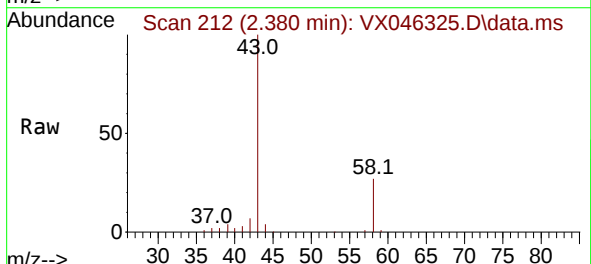
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR251372

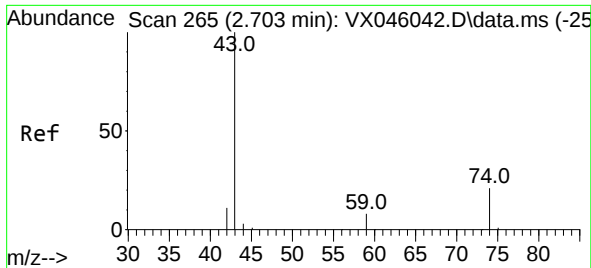
Tgt Ion: 41 Resp: 300
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.6 90.8#
 76 0.0 24.9 37.3#



#16
 Acetone
 Concen: 86.466 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX046325.D
 Acq: 22 May 2025 13:33

Tgt Ion: 43 Resp: 40535
 Ion Ratio Lower Upper
 43 100
 58 26.8 21.2 31.8

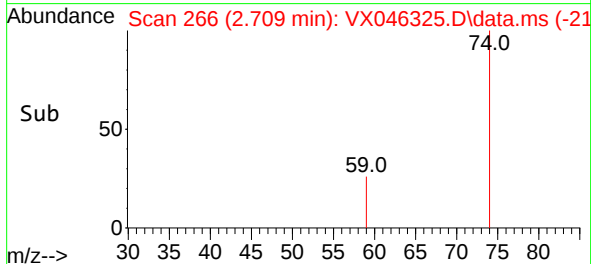
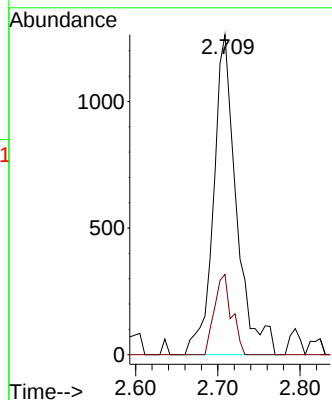
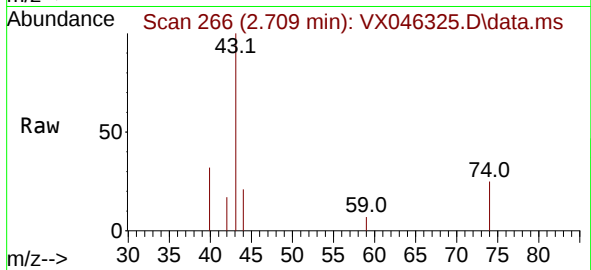




#18
Methyl Acetate
Concen: 2.248 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

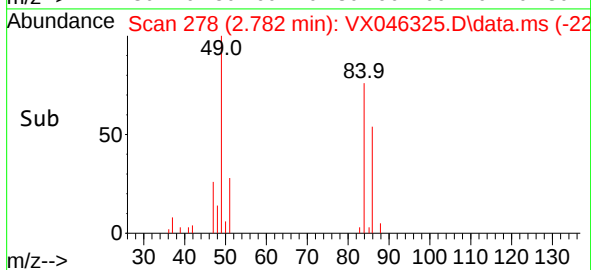
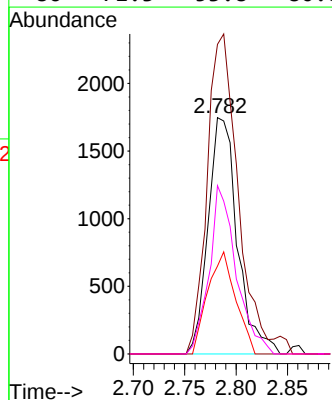
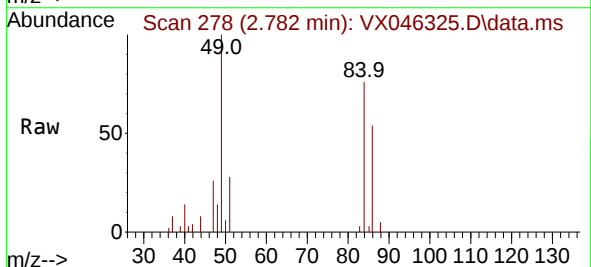
Instrument :
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ClientSampleId :
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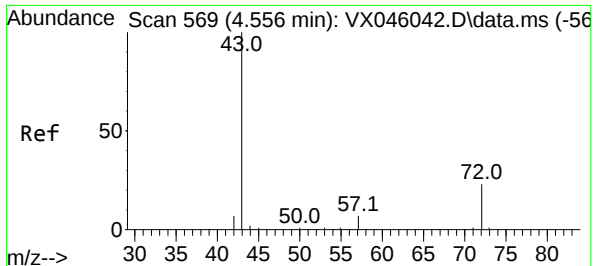
Tgt Ion: 43 Resp: 2446
Ion Ratio Lower Upper
43 100
74 18.8 16.7 25.1



#20
Methylene Chloride
Concen: 3.849 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 84 Resp: 3458
Ion Ratio Lower Upper
84 100
49 131.0 113.9 170.9
51 37.1 33.5 50.3
86 71.3 53.8 80.8





#25

2-Butanone

Concen: 3.792 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.036 min

Lab File: VX046325.D

Acq: 22 May 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

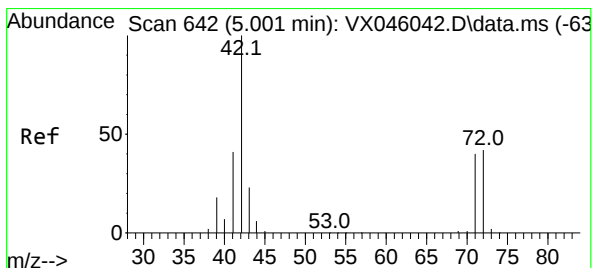
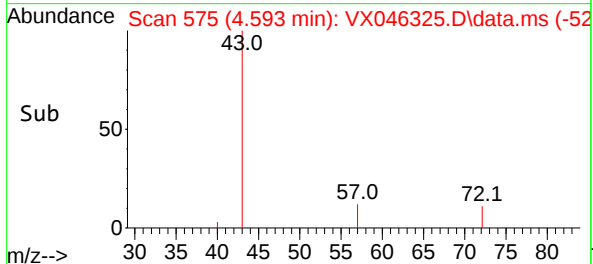
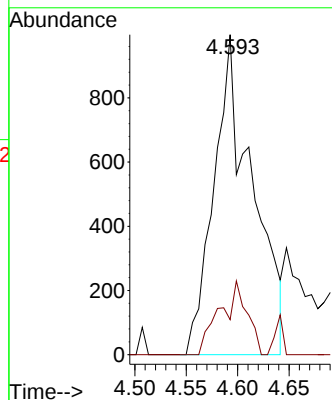
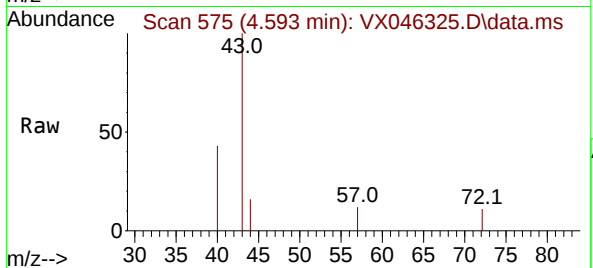
RBR251372

Tgt Ion: 43 Resp: 2581

Ion Ratio Lower Upper

43 100

72 10.9 18.4 27.6#



#29

Tetrahydrofuran

Concen: 0.570 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.036 min

Lab File: VX046325.D

Acq: 22 May 2025 13:33

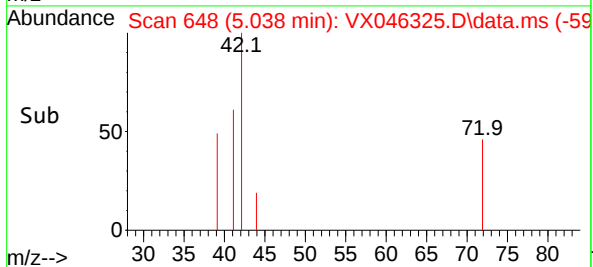
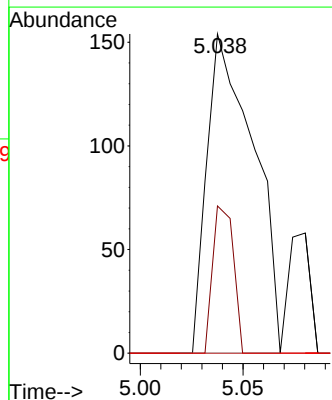
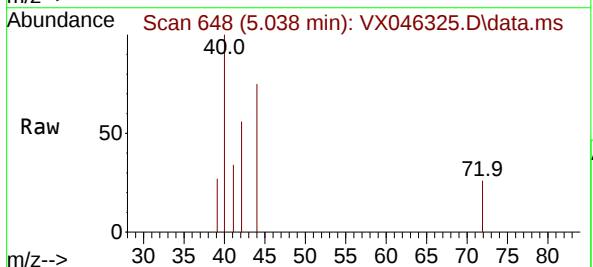
Tgt Ion: 42 Resp: 243

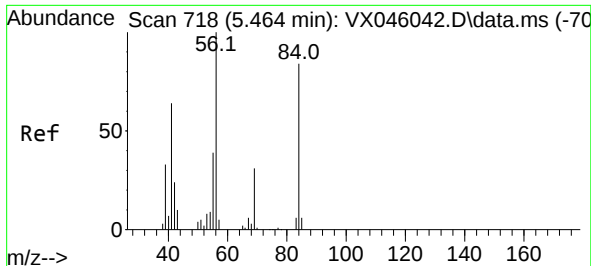
Ion Ratio Lower Upper

42 100

72 20.6 33.7 50.5#

71 0.0 31.4 47.2#

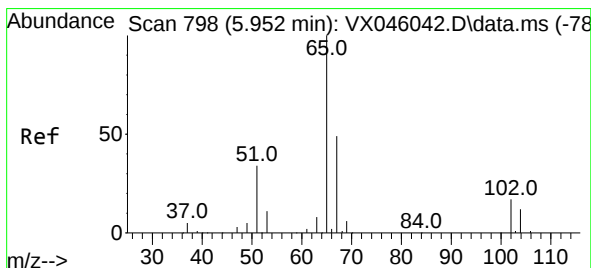
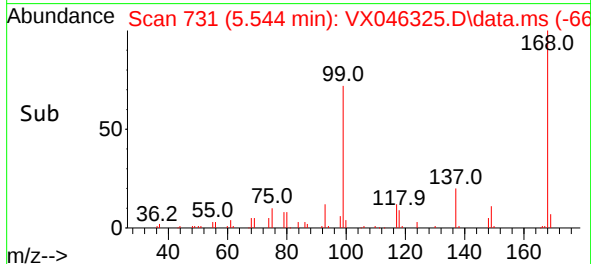
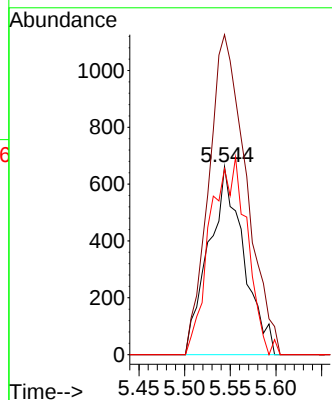
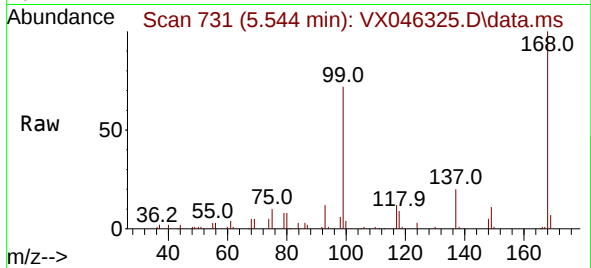




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

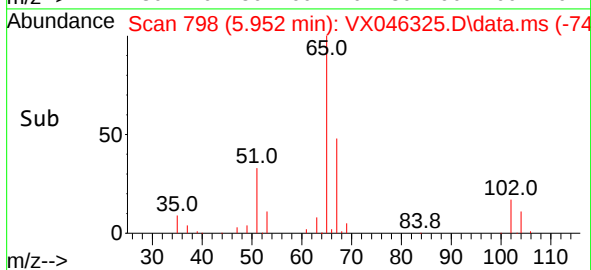
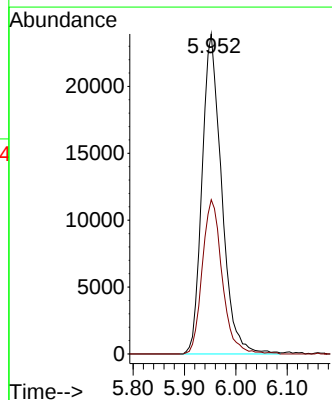
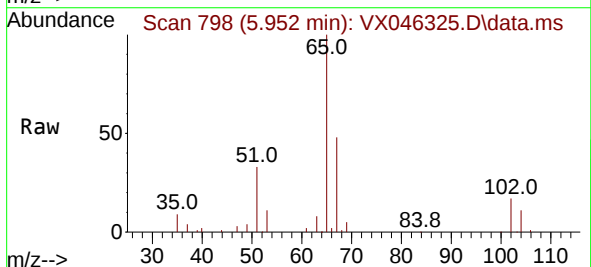
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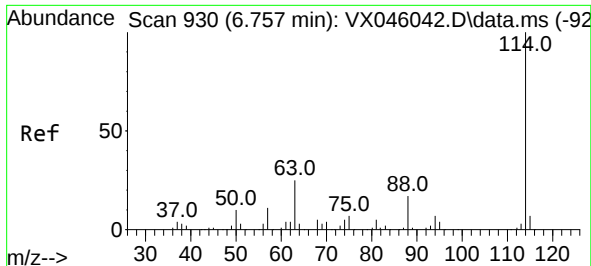
Tgt Ion: 56 Resp: 1759
Ion Ratio Lower Upper
56 100
69 170.1 24.4 36.6#
84 98.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.088 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 65 Resp: 63240
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

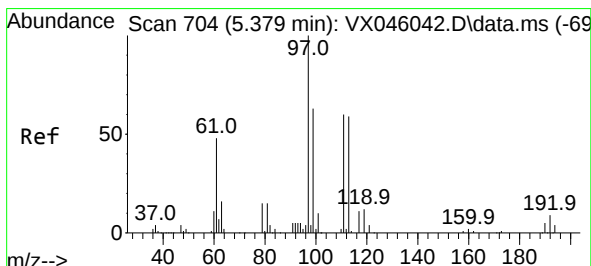
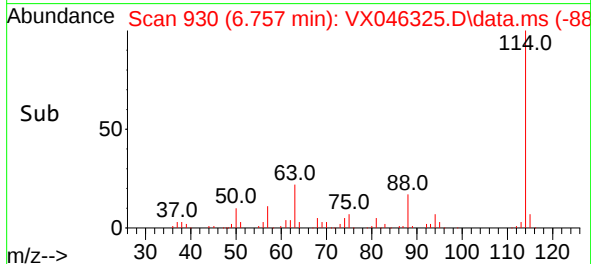
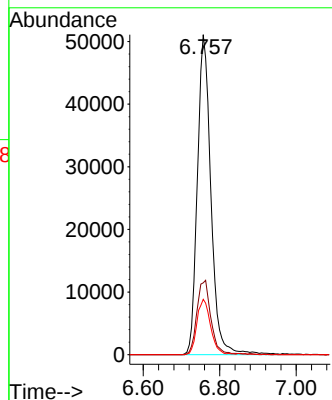
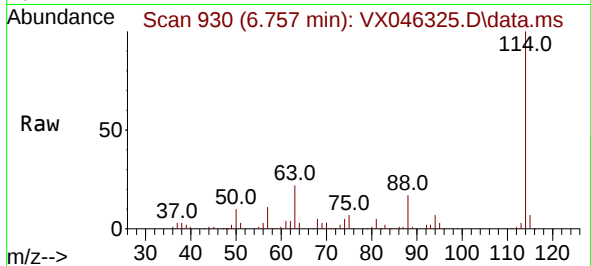




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

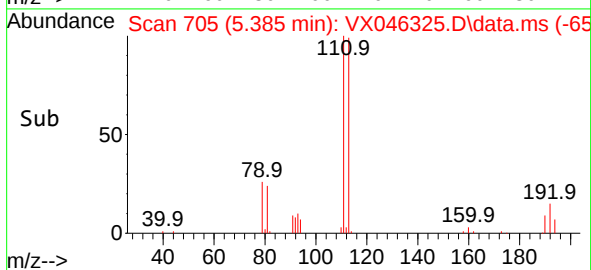
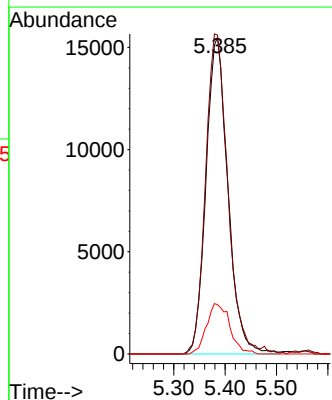
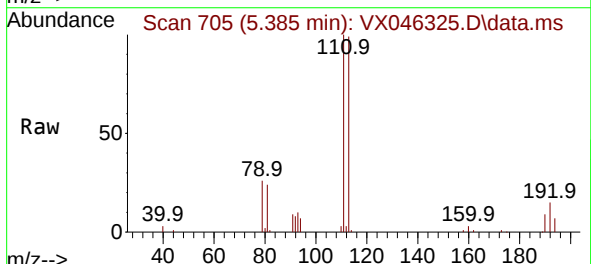
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Tgt Ion:114 Resp: 125680
Ion Ratio Lower Upper
114 100
63 22.4 0.0 49.2
88 17.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 50.607 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion:113 Resp: 45801
Ion Ratio Lower Upper
113 100
111 103.0 83.1 124.7
192 16.9 13.3 19.9

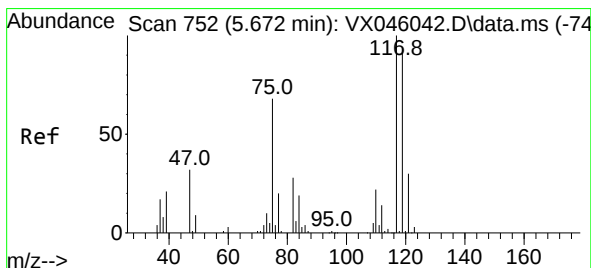
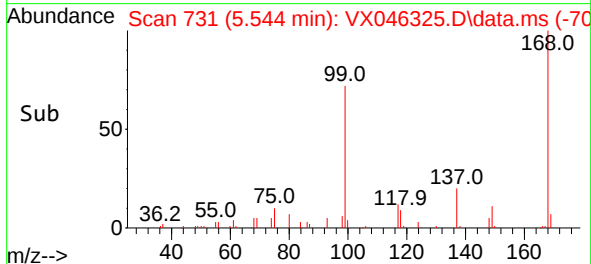
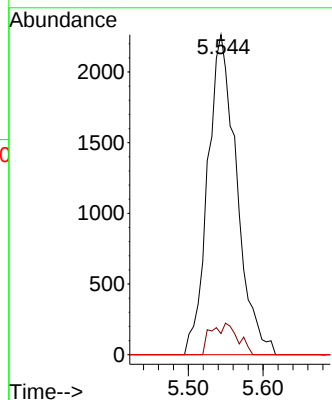
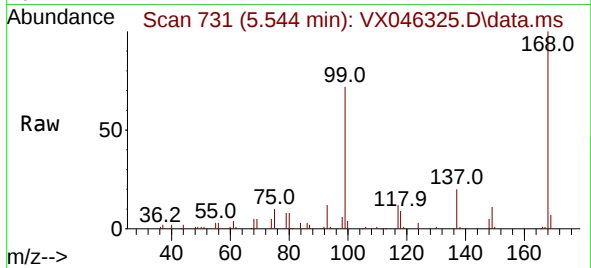




#36
1,1-Dichloropropene
Concen: 5.013 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

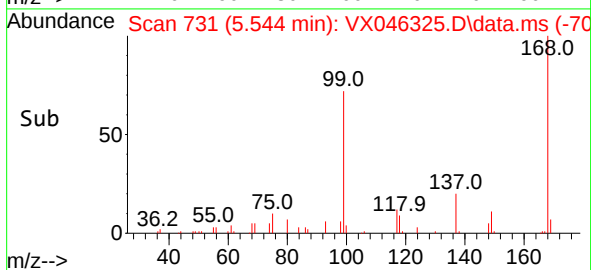
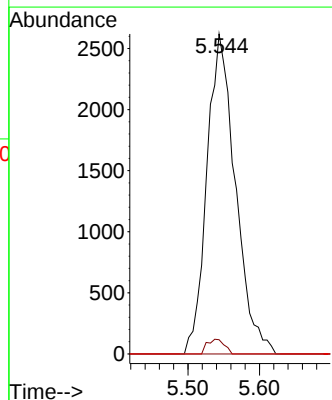
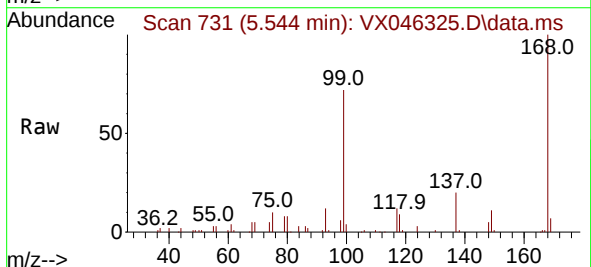
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
110 9.1 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 117 Resp: 7258
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#

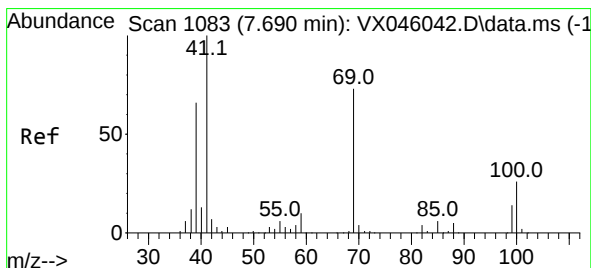
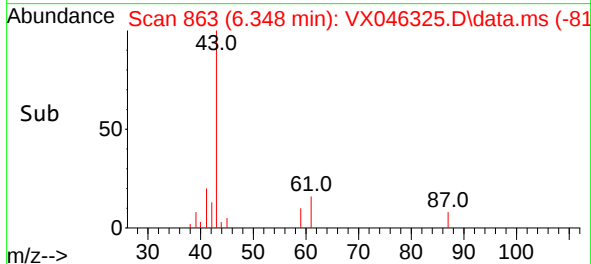
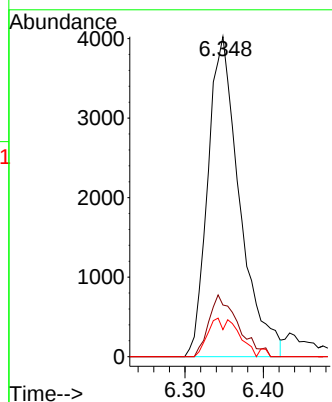
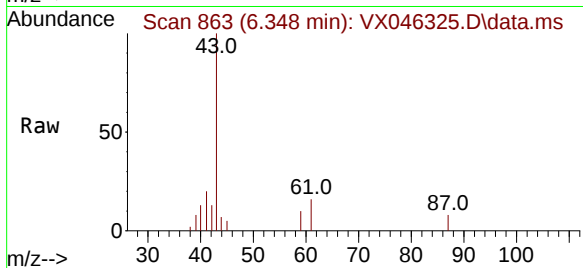




#43
Isopropyl Acetate
Concen: 4.944 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

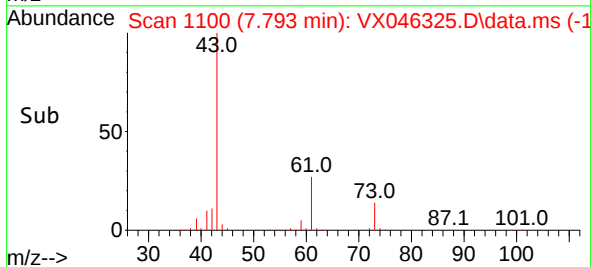
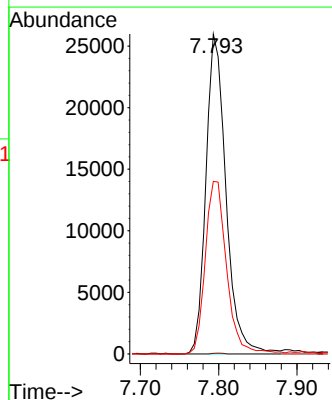
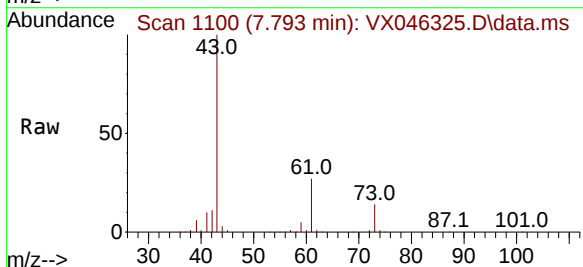
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

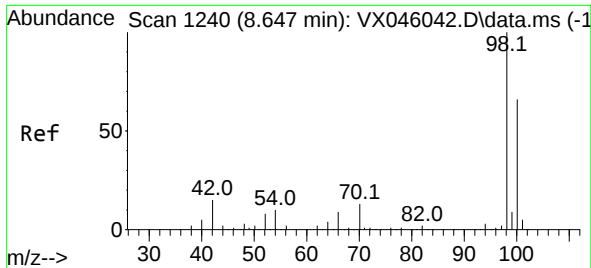
Tgt Ion: 43 Resp: 11331
Ion Ratio Lower Upper
43 100
61 17.7 14.3 21.5
87 5.9 9.5 14.3#



#48
Methyl methacrylate
Concen: 39.466 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 41 Resp: 46195
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 57.4 51.7 77.5

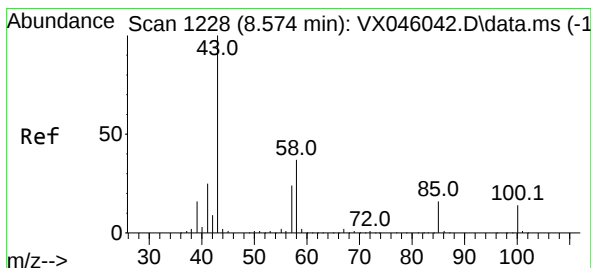
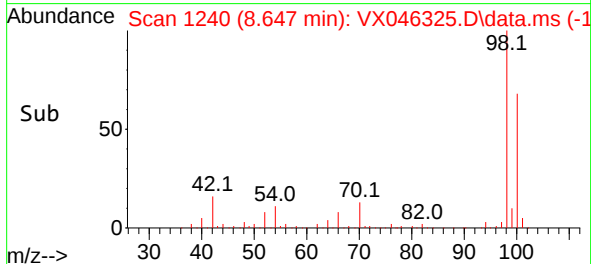
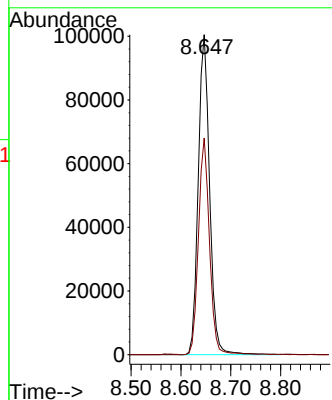
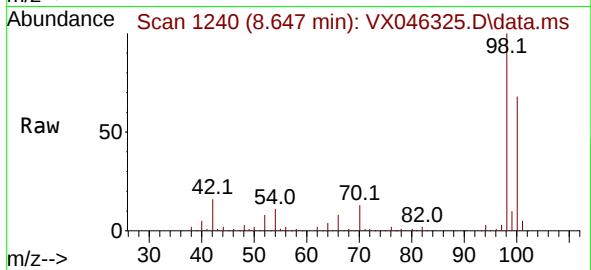




#50
Toluene-d8
Concen: 50.706 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

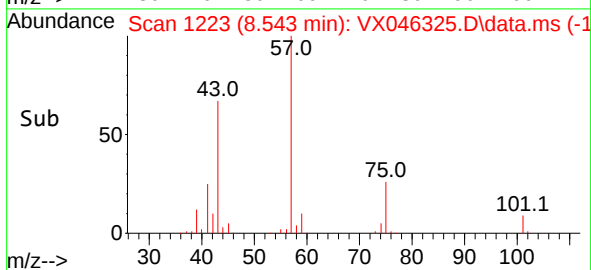
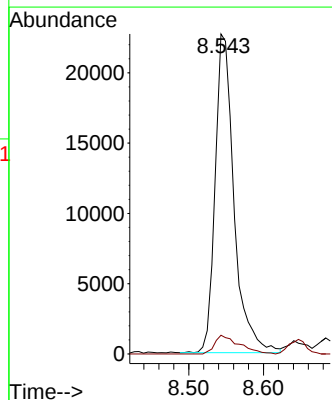
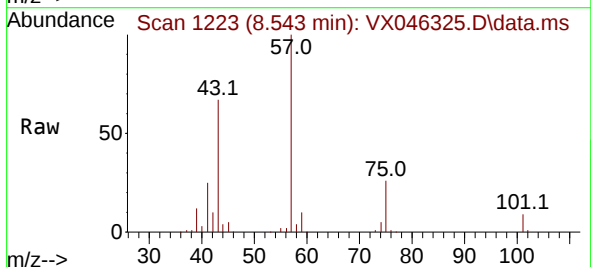
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

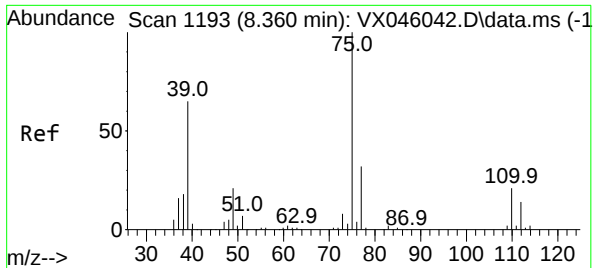
Tgt Ion: 98 Resp: 158834
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.169 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 43 Resp: 39812
Ion Ratio Lower Upper
43 100
58 7.6 28.9 43.3#

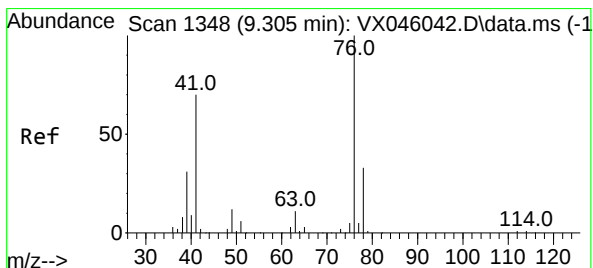
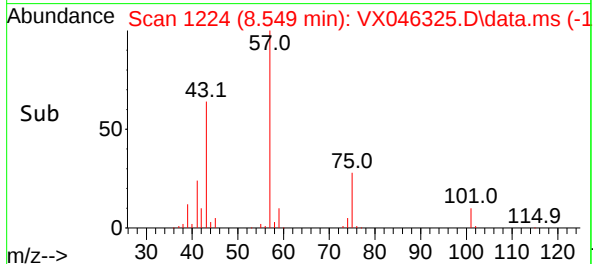
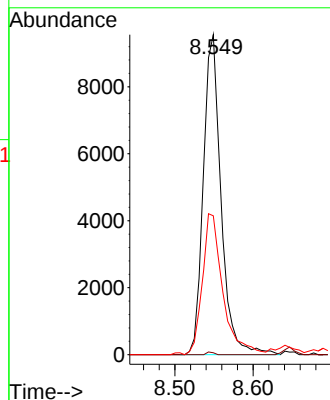
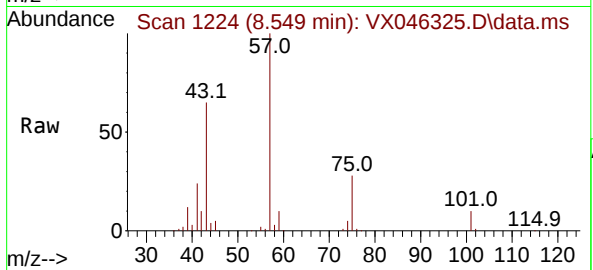




#54
 cis-1,3-Dichloropropene
 Concen: 11.113 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046325.D
 Acq: 22 May 2025 13:33

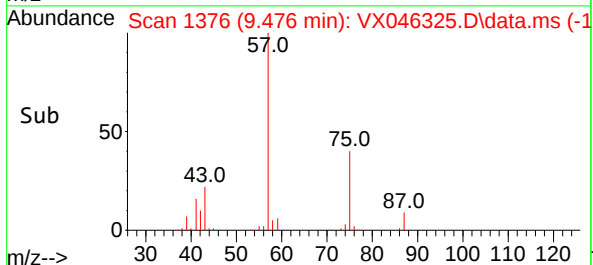
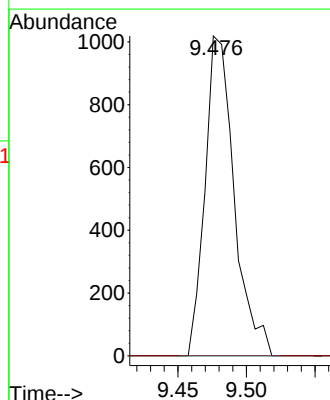
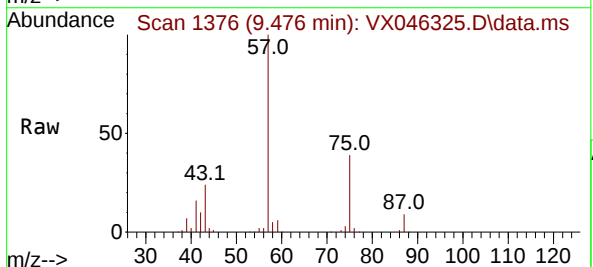
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR251372

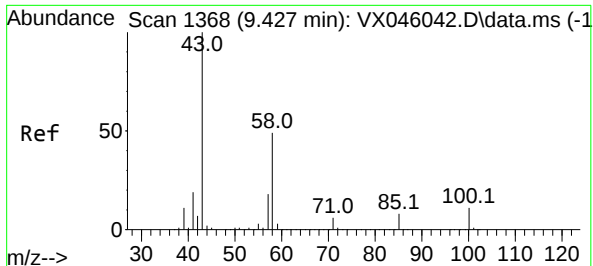
Tgt Ion: 75 Resp: 15020
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.4 38.0#
 39 42.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.976 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX046325.D
 Acq: 22 May 2025 13:33

Tgt Ion: 76 Resp: 1509
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

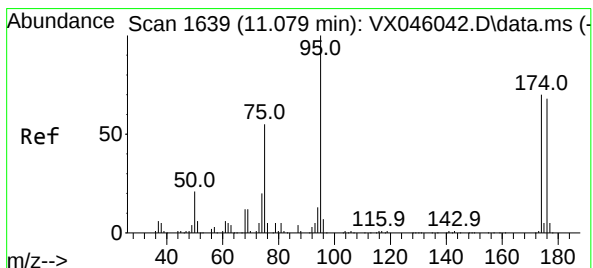
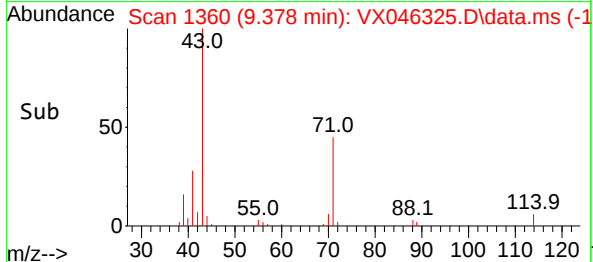
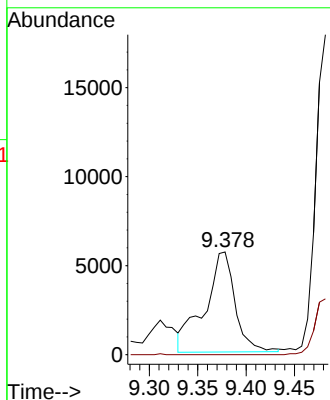
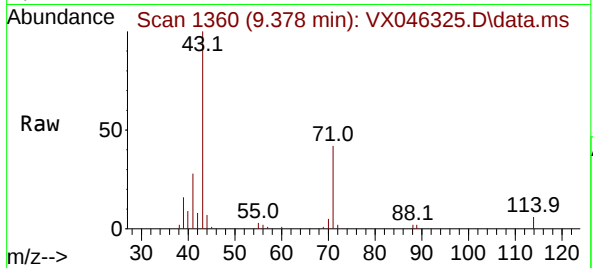




#59
2-Hexanone
Concen: 10.933 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

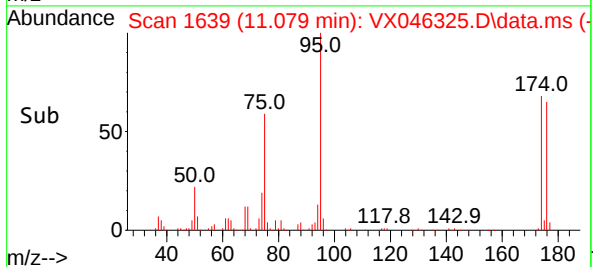
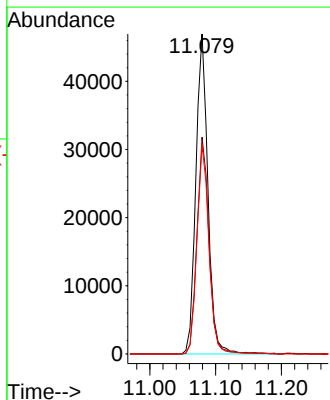
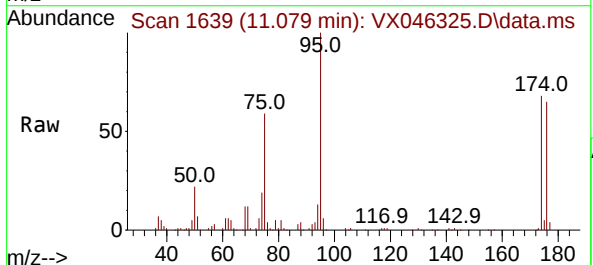
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

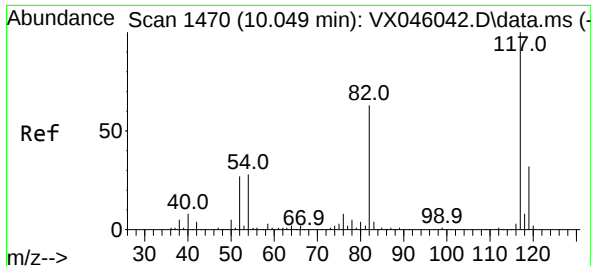
Tgt Ion: 43 Resp: 12306
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 49.948 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion: 95 Resp: 60015
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.0 0.0 131.4

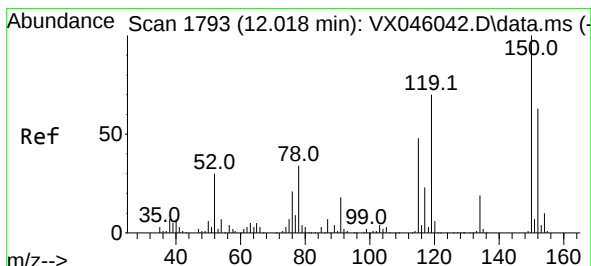
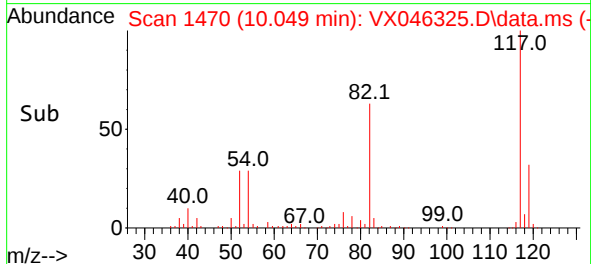
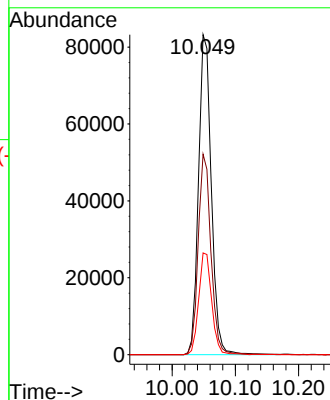
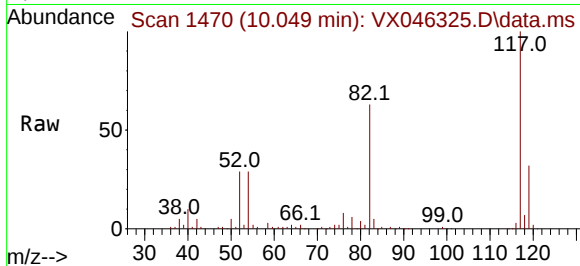




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

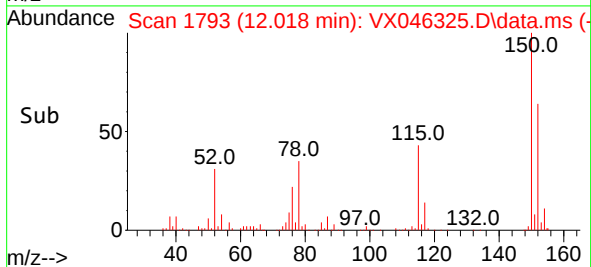
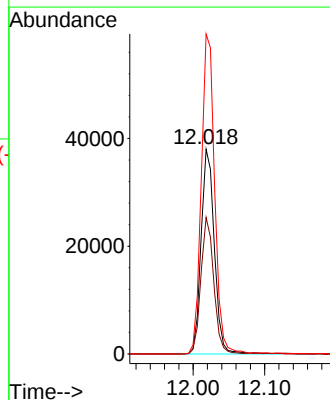
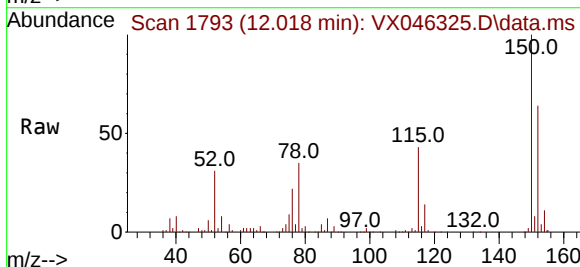
Instrument :
MSVOA_X
ClientSampleId :
RBR251372

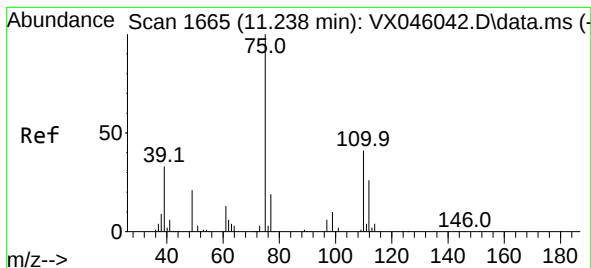
Tgt Ion:117 Resp: 117529
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046325.D
Acq: 22 May 2025 13:33

Tgt Ion:152 Resp: 48883
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 158.0 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.820 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046325.D

Acq: 22 May 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

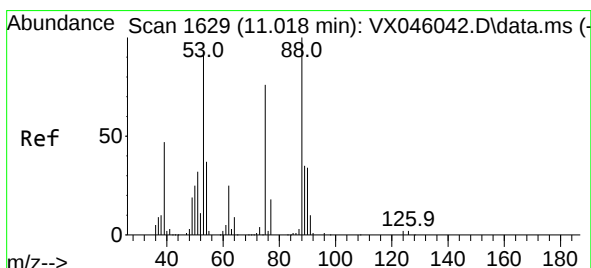
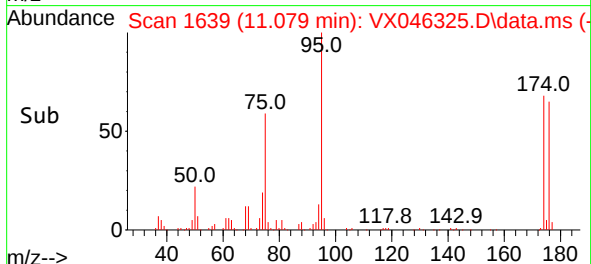
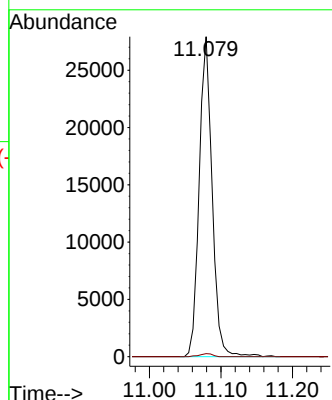
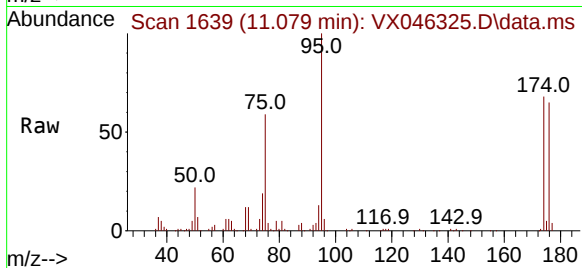
RBR251372

Tgt Ion: 75 Resp: 35087

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.084 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046325.D

Acq: 22 May 2025 13:33

Tgt Ion: 75 Resp: 35087

Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.1 37.0 55.6#

