

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047704.D
 Acq On : 22 Sep 2025 15:09
 Operator : JC/MD
 Sample : Q3133-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

Quant Time: Sep 23 01:35:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

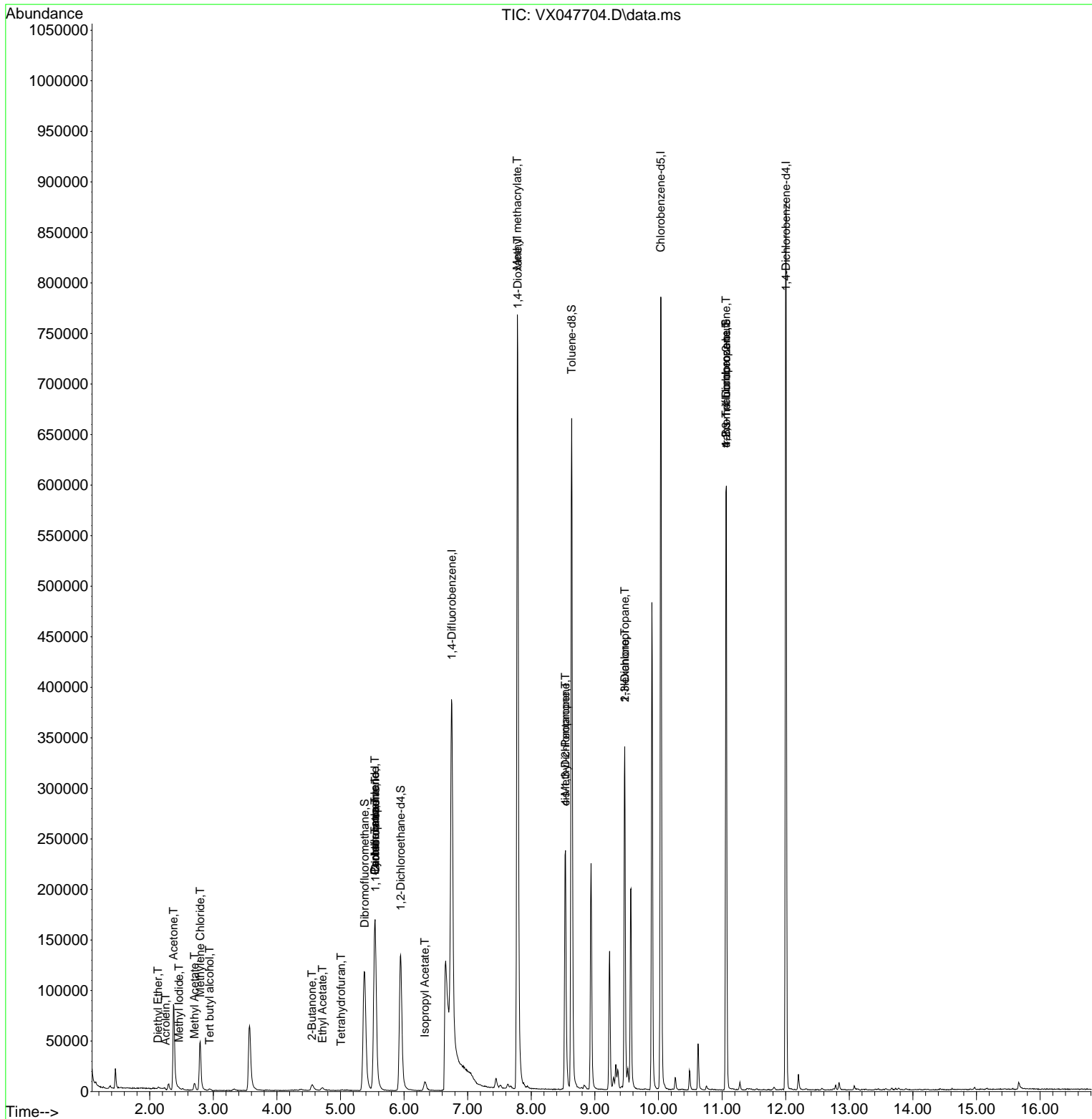
Internal Standards						
1) Pentafluorobenzene	5.544	168	170144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	361472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	358492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	182041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	144855	53.486	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	106.980%	
35) Dibromofluoromethane	5.379	113	118361	48.824	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.640%	
50) Toluene-d8	8.634	98	406170	48.421	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.840%	
62) 4-Bromofluorobenzene	11.061	95	173608	54.533	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	109.060%	
Target Compounds						
						Qvalue
8) Diethyl Ether	2.130	74	486	0.353	ug/l #	1
10) Methyl Iodide	2.459	142	629	0.205	ug/l #	78
11) Tert butyl alcohol	2.940	59	961	3.186	ug/l #	78
13) Acrolein	2.251	56	275	0.989	ug/l	88
16) Acetone	2.373	43	112324	95.387	ug/l	98
18) Methyl Acetate	2.703	43	10850	4.140	ug/l	94
20) Methylene Chloride	2.794	84	24319	9.757	ug/l	94
25) 2-Butanone	4.550	43	11310	7.700	ug/l	92
29) Tetrahydrofuran	5.007	42	178	0.201	ug/l #	34
31) Cyclohexane	5.544	56	3976	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14205	4.010	ug/l #	48
37) Ethyl Acetate	4.714	43	3966	1.046	ug/l #	94
38) Carbon Tetrachloride	5.544	117	17863	4.641	ug/l #	19
43) Isopropyl Acetate	6.324	43	14100	2.267	ug/l	97
48) Methyl methacrylate	7.781	41	73099	23.592	ug/l #	46
49) 1,4-Dioxane	7.787	88	29	0.926	ug/l #	1
51) 4-Methyl-2-Pentanone	8.537	43	93337	27.063	ug/l #	51
54) cis-1,3-Dichloropropene	8.537	75	41019	9.094	ug/l #	58
57) 1,3-Dichloropropane	9.470	76	3047	0.694	ug/l #	42
59) 2-Hexanone	9.470	43	41237	16.648	ug/l #	56
76) 1,2,3-Trichloropropane	11.061	75	90623	24.587	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	90623	62.701	ug/l #	8

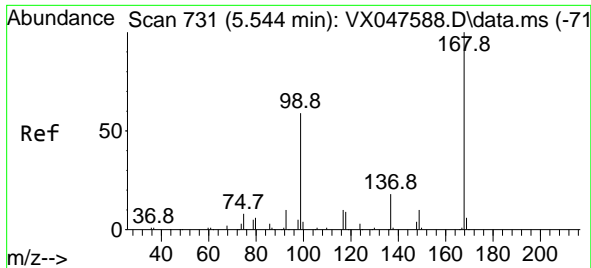
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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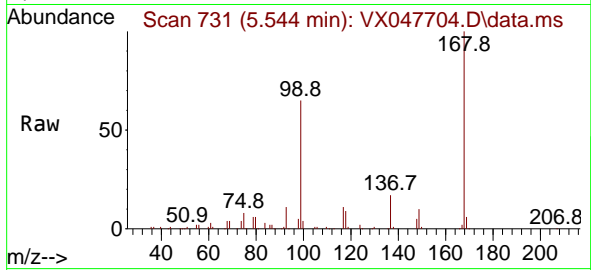
Quant Time: Sep 23 01:35:56 2025
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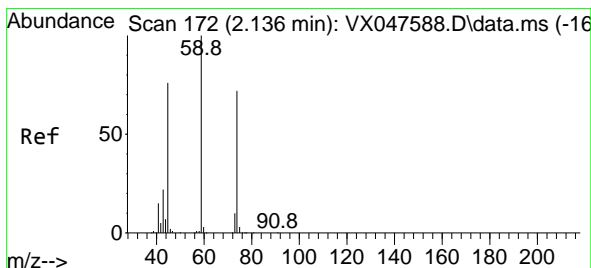
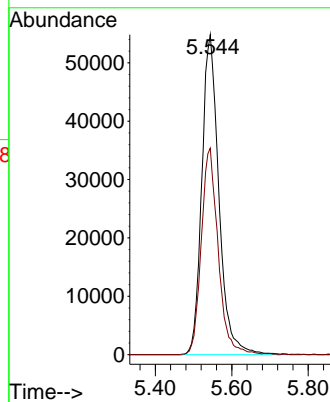
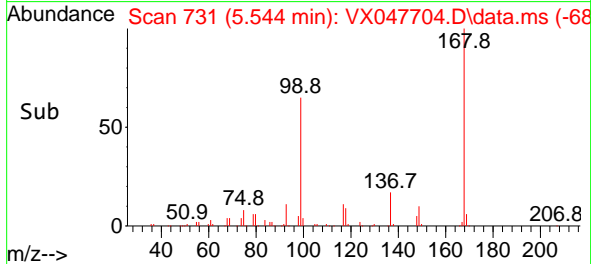


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.544 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

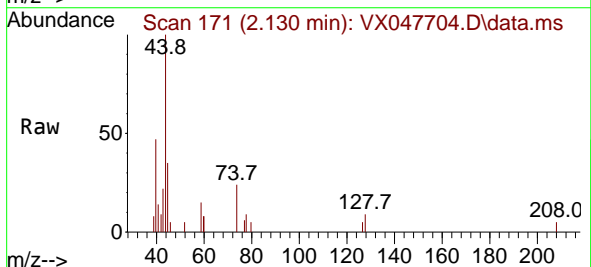
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210



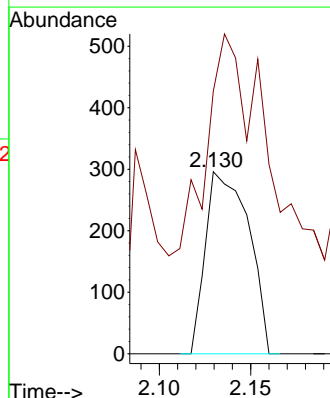
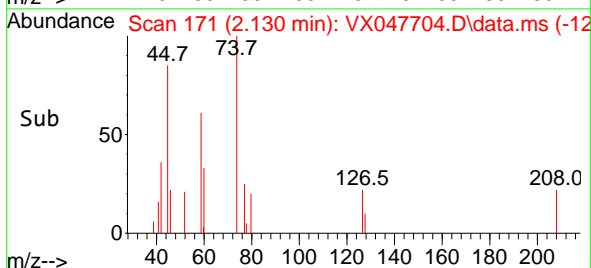
Tgt Ion:168 Resp: 170144
 Ion Ratio Lower Upper
 168 100
 99 64.6 48.8 73.2

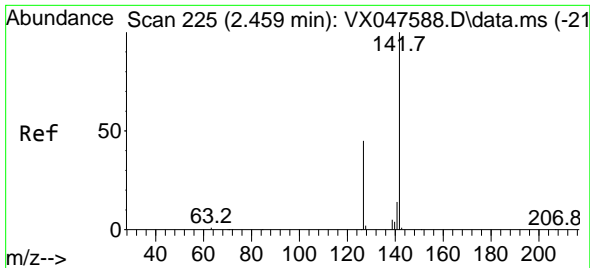


#8
 Diethyl Ether
 Concen: 0.353 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. -0.006 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09



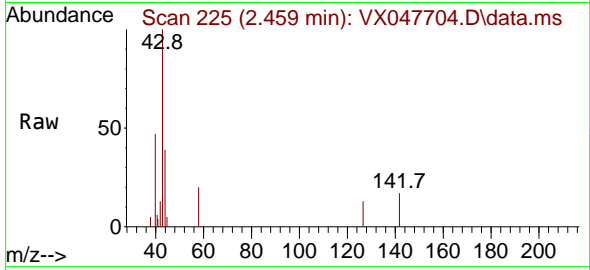
Tgt Ion: 74 Resp: 486
 Ion Ratio Lower Upper
 74 100
 45 341.6 52.3 156.8#





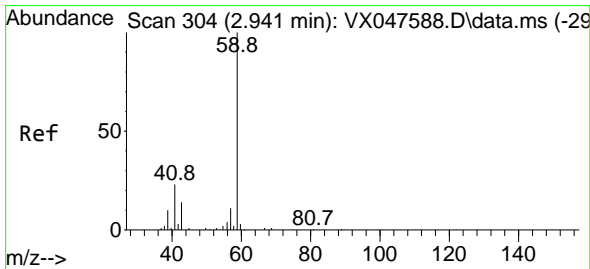
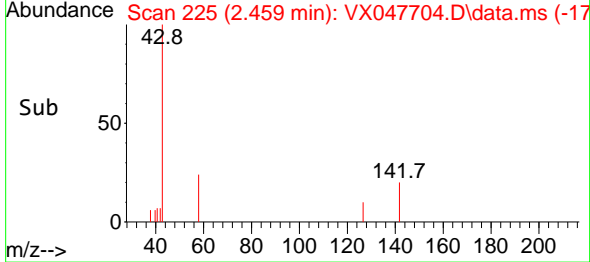
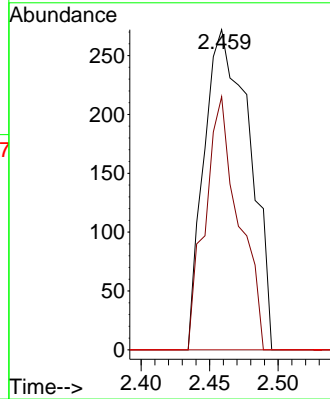
#10
 Methyl Iodide
 Concen: 0.205 ug/l
 RT: 2.459 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210



Tgt Ion:142 Resp: 629

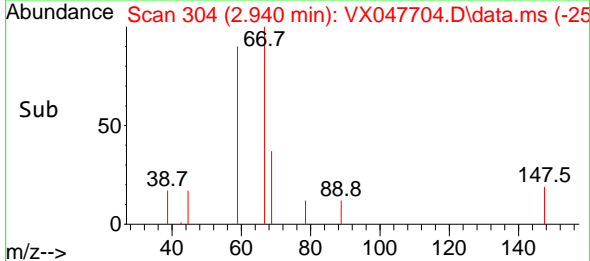
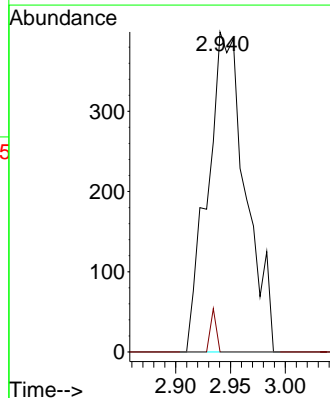
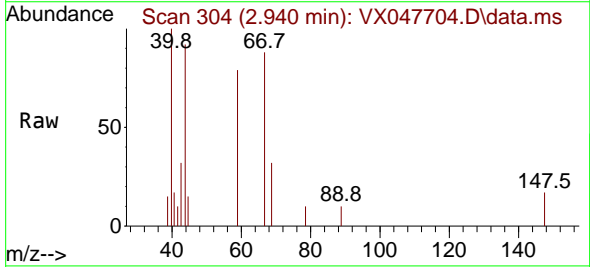
Ion	Ratio	Lower	Upper
142	100		
127	58.2	37.2	55.8#
141	0.0	11.4	17.0#

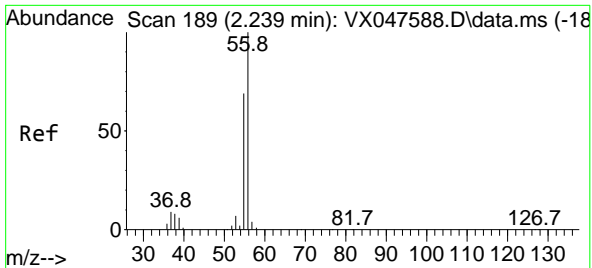


#11
 Tert butyl alcohol
 Concen: 3.186 ug/l
 RT: 2.940 min Scan# 304
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 59 Resp: 961

Ion	Ratio	Lower	Upper
59	100		
57	2.1	8.3	12.5#

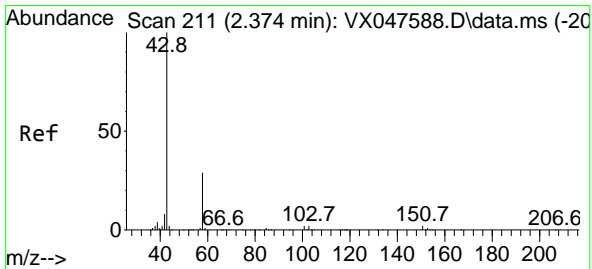
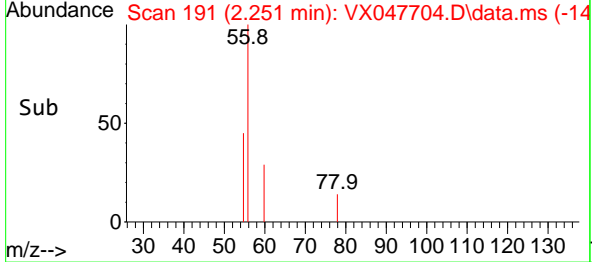
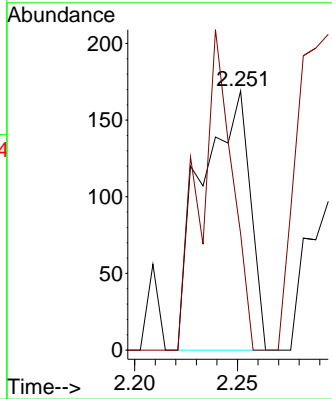
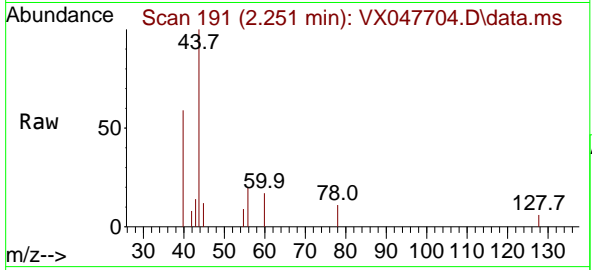




#13
 Acrolein
 Concen: 0.989 ug/l
 RT: 2.251 min Scan# 191
 Delta R.T. 0.012 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

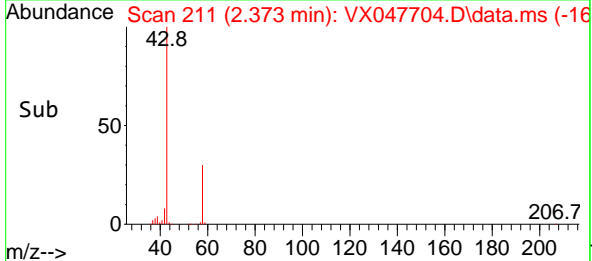
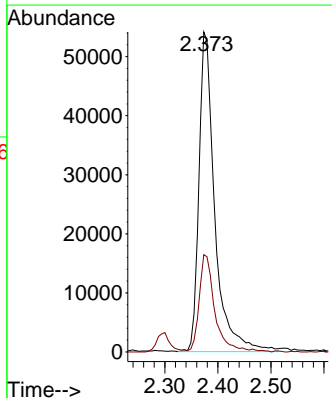
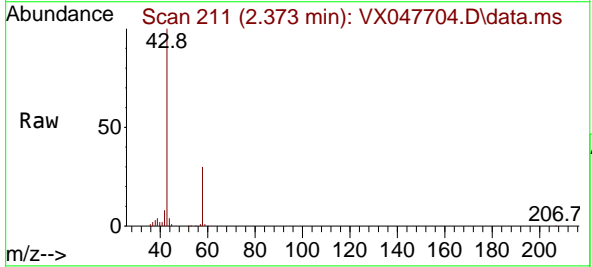
Instrument : MSVOA_X
 ClientSampleId : VNJ-210

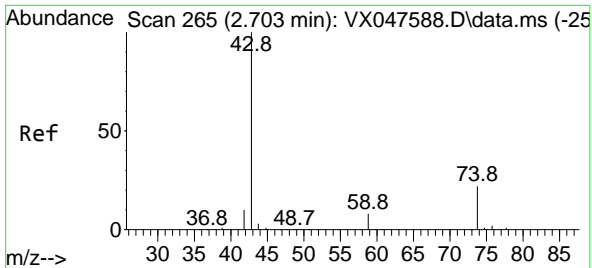
Tgt Ion: 56 Resp: 275
 Ion Ratio Lower Upper
 56 100
 55 81.8 57.2 85.8



#16
 Acetone
 Concen: 95.387 ug/l
 RT: 2.373 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 43 Resp: 112324
 Ion Ratio Lower Upper
 43 100
 58 30.5 23.4 35.0



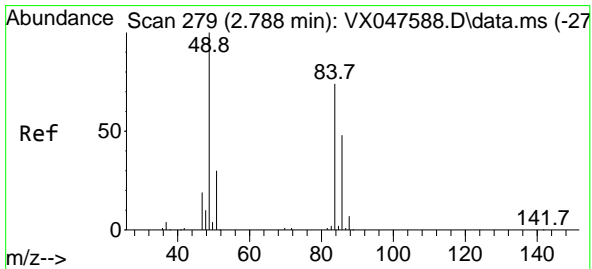
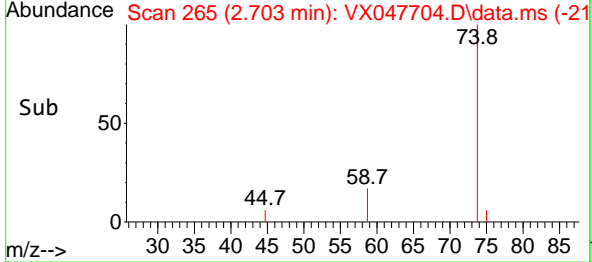
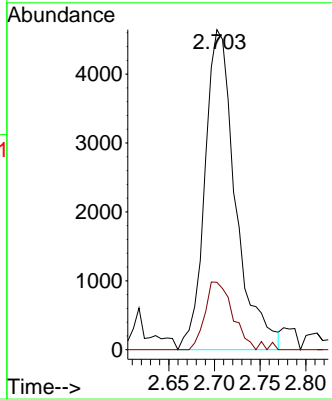
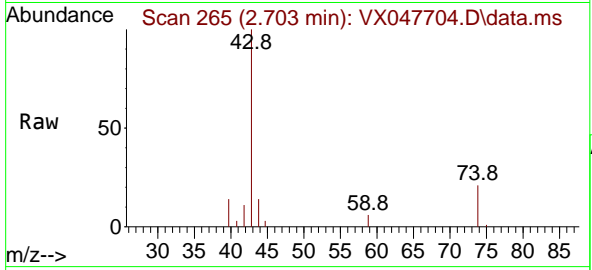


#18
 Methyl Acetate
 Concen: 4.140 ug/l
 RT: 2.703 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument : MSVOA_X
 ClientSampleId : VNJ-210

Tgt Ion: 43 Resp: 10850

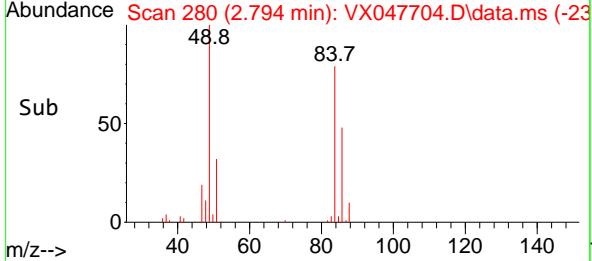
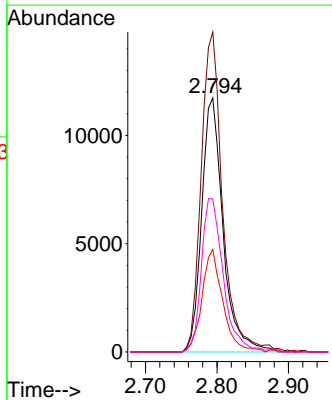
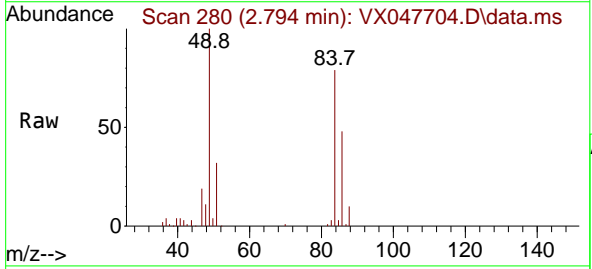
Ion	Ratio	Lower	Upper
43	100		
74	19.0	17.4	26.2

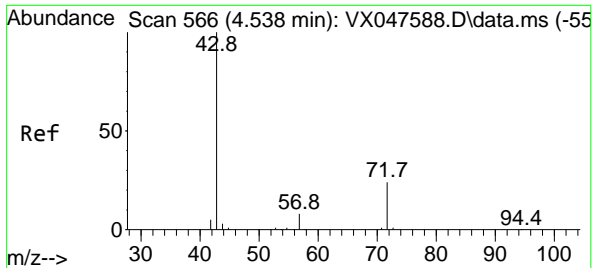


#20
 Methylene Chloride
 Concen: 9.757 ug/l
 RT: 2.794 min Scan# 280
 Delta R.T. 0.006 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 84 Resp: 24319

Ion	Ratio	Lower	Upper
84	100		
49	126.0	108.6	162.8
51	40.4	32.6	48.8
86	60.3	52.0	78.0

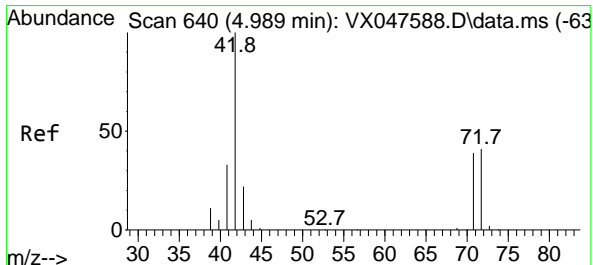
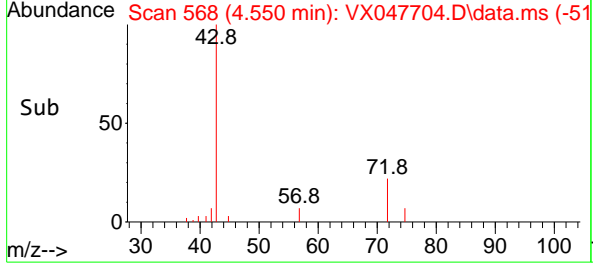
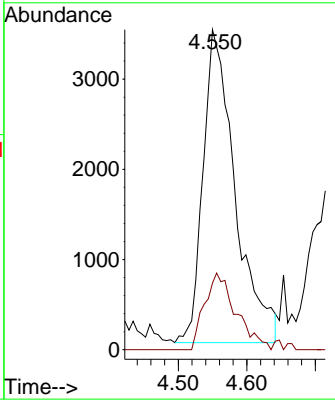
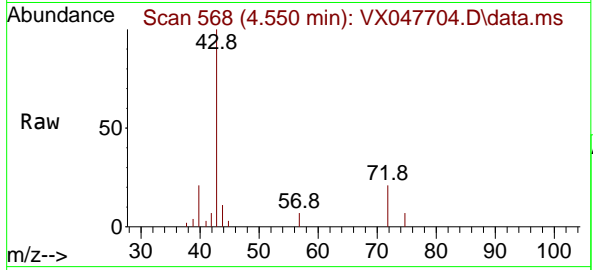




#25
 2-Butanone
 Concen: 7.700 ug/l
 RT: 4.550 min Scan# 568
 Delta R.T. 0.012 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

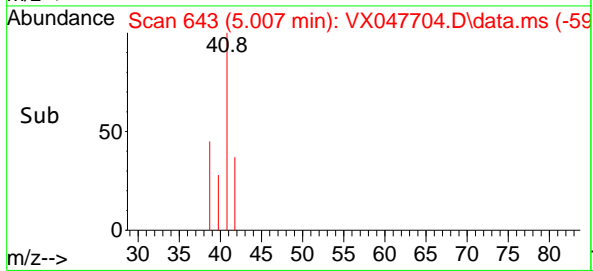
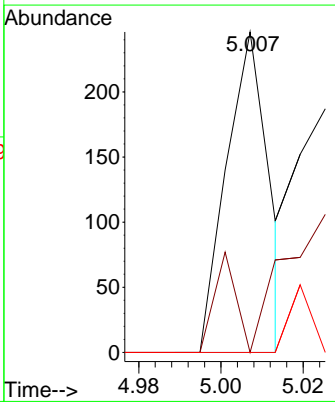
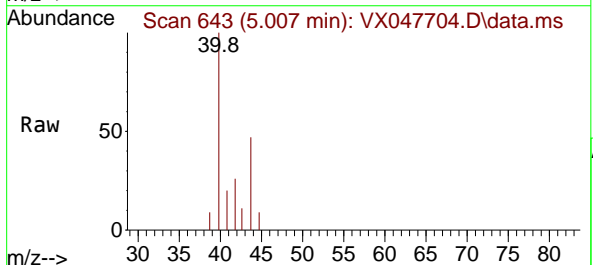
Instrument : MSVOA_X
 ClientSampleId : VNJ-210

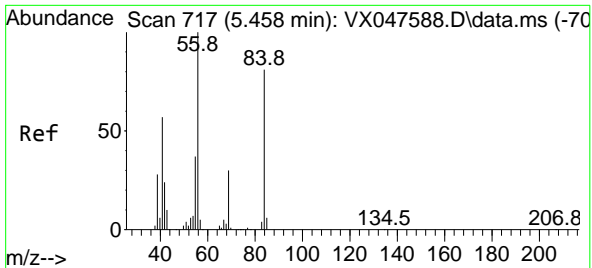
Tgt Ion: 43 Resp: 11310
 Ion Ratio Lower Upper
 43 100
 72 21.3 20.1 30.1



#29
 Tetrahydrofuran
 Concen: 0.201 ug/l
 RT: 5.007 min Scan# 643
 Delta R.T. 0.018 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

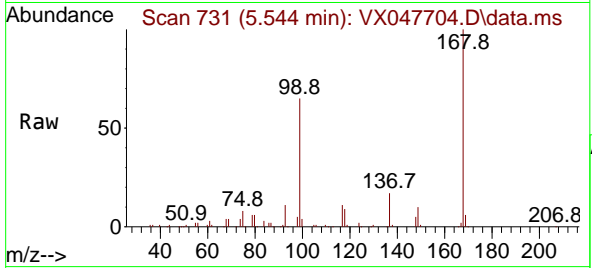
Tgt Ion: 42 Resp: 178
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.2 51.2#
 71 0.0 31.9 47.9#



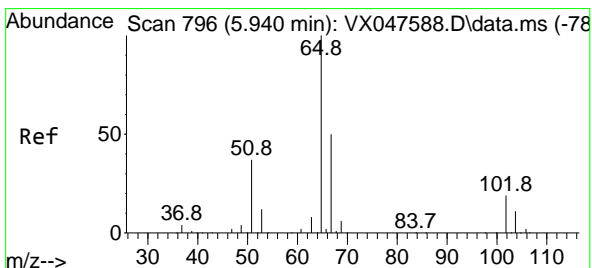
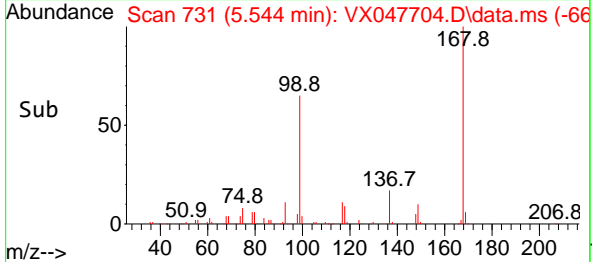
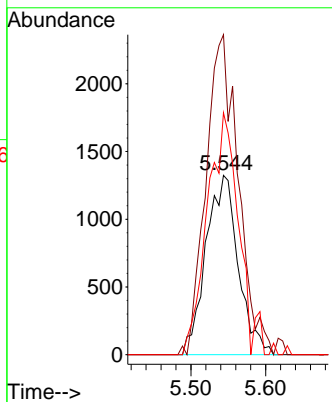


#31
 Cyclohexane
 Concen: 1.111 ug/l
 RT: 5.544 min Scan# 717
 Delta R.T. 0.085 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

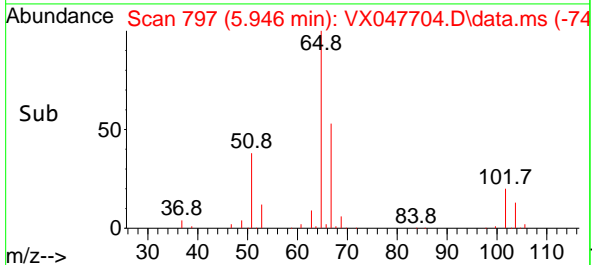
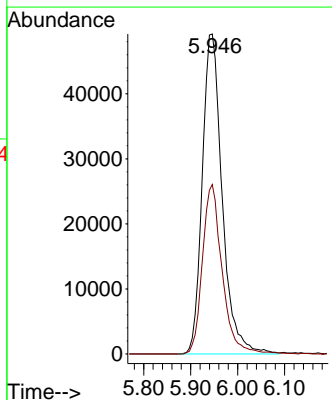
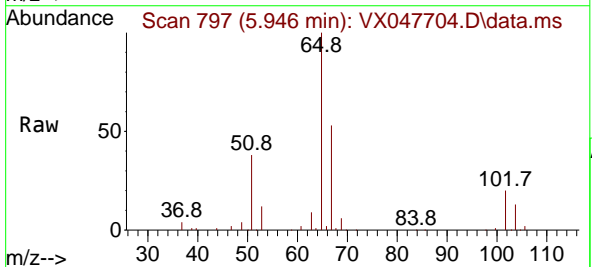


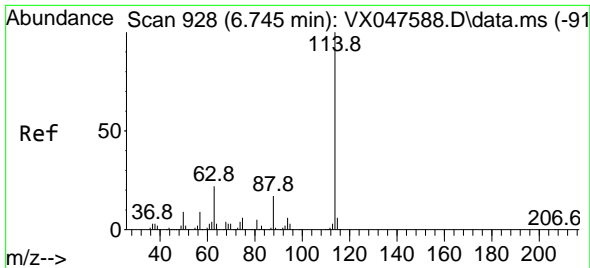
Tgt Ion: 56 Resp: 3976
 Ion Ratio Lower Upper
 56 100
 69 178.3 23.8 35.8#
 84 134.9 64.6 97.0#



#33
 1,2-Dichloroethane-d4
 Concen: 53.486 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 65 Resp: 144855
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0

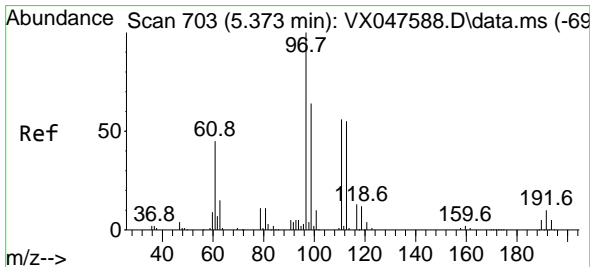
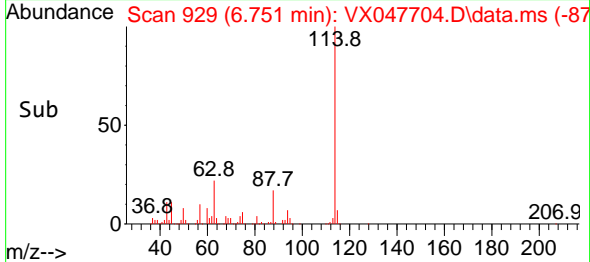
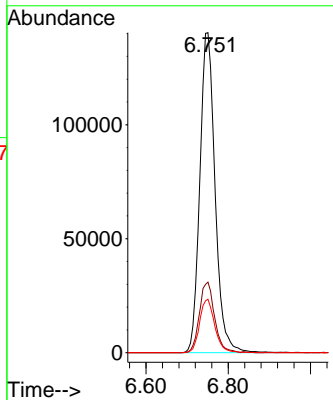
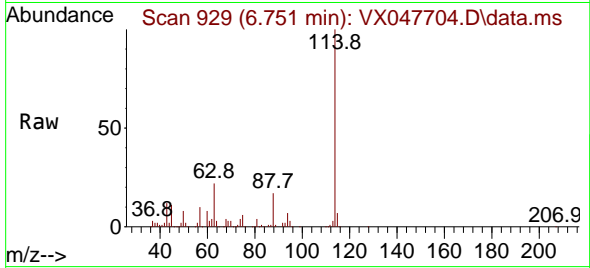




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

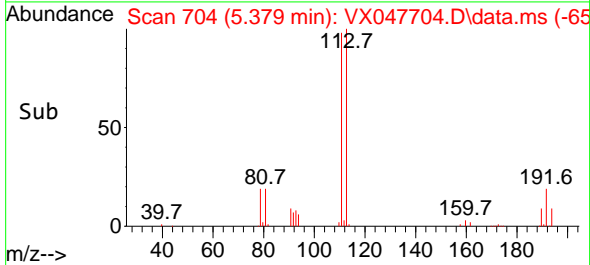
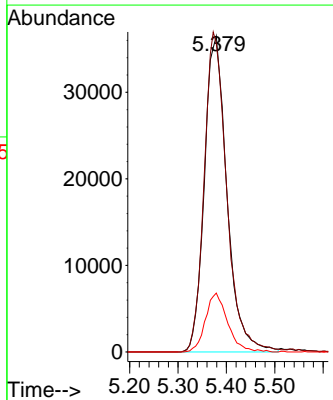
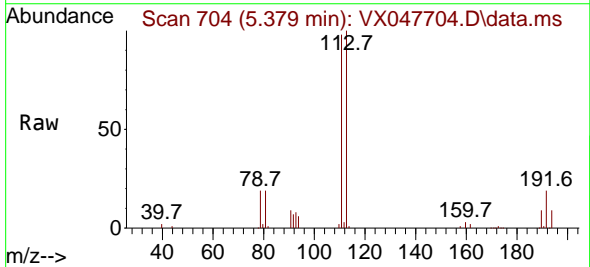
Instrument :
 MSVOA_X
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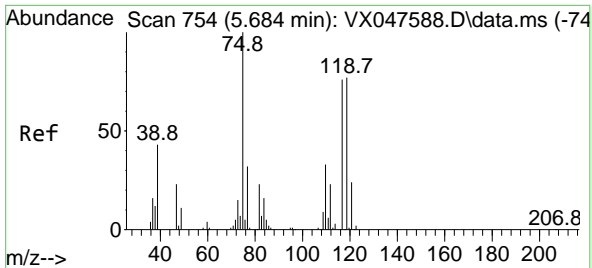
Tgt Ion:114 Resp: 361472
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 16.7 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 48.824 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

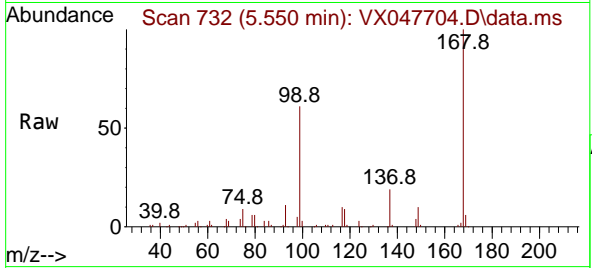
Tgt Ion:113 Resp: 118361
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.9 121.3
 192 18.3 14.2 21.4



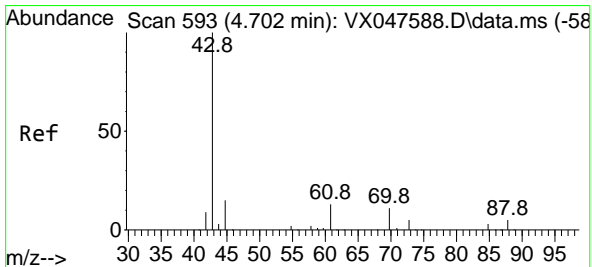
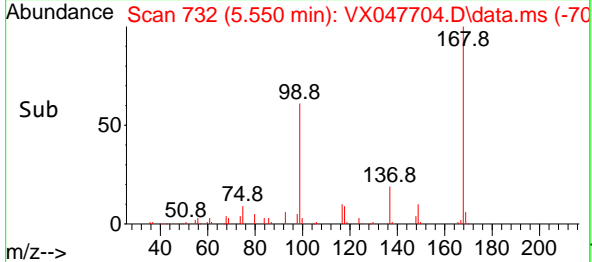
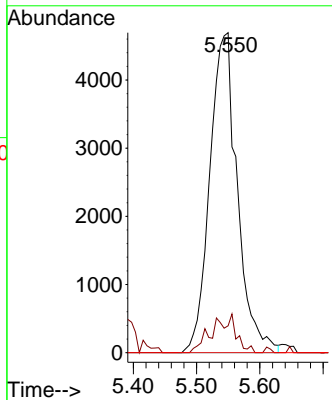


#36
 1,1-Dichloropropene
 Concen: 4.010 ug/l
 RT: 5.550 min Scan# 710
 Delta R.T. -0.134 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

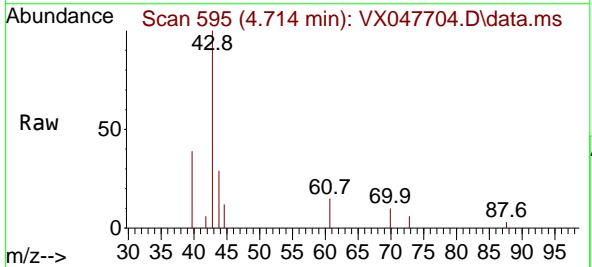
Instrument : MSVOA_X
 ClientSampleId : VNJ-210



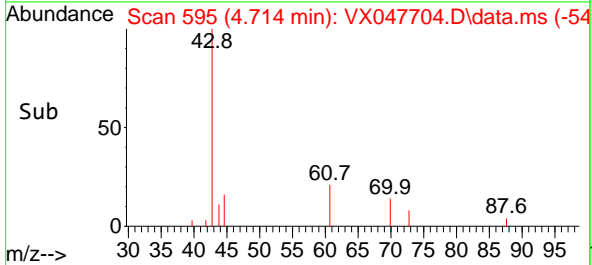
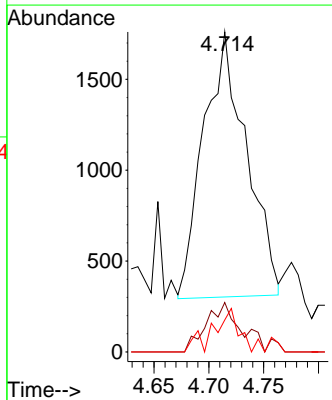
Tgt Ion: 75 Resp: 14205
 Ion Ratio Lower Upper
 75 100
 110 6.2 16.7 50.1#
 77 0.0 24.3 36.5#

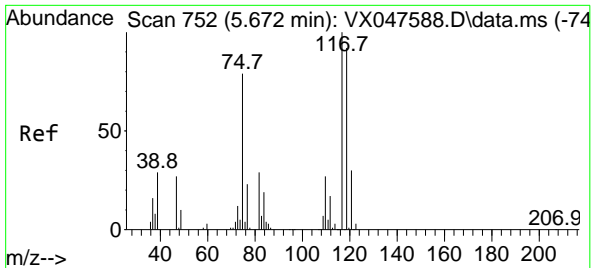


#37
 Ethyl Acetate
 Concen: 1.046 ug/l
 RT: 4.714 min Scan# 595
 Delta R.T. 0.012 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09



Tgt Ion: 43 Resp: 3966
 Ion Ratio Lower Upper
 43 100
 61 14.8 9.8 14.8#
 70 8.0 7.9 11.9

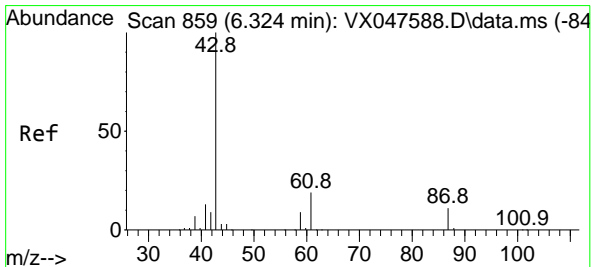
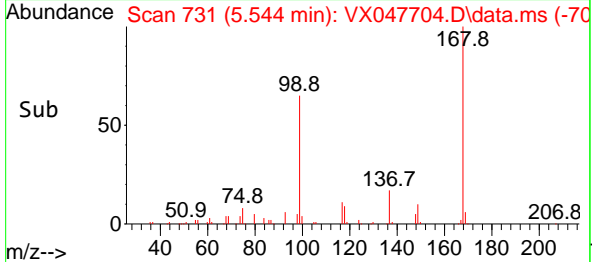
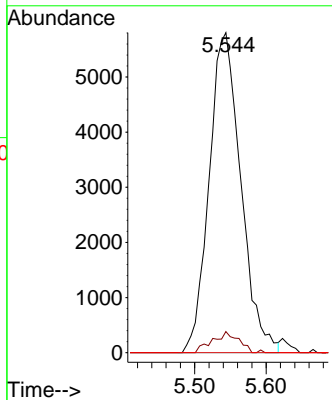
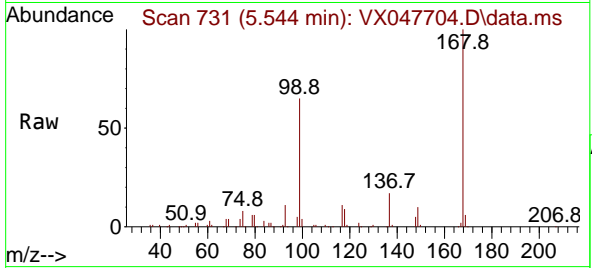




#38
 Carbon Tetrachloride
 Concen: 4.641 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.128 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

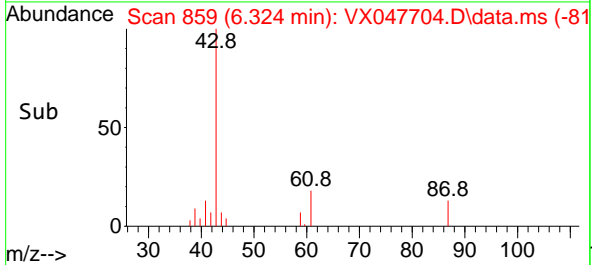
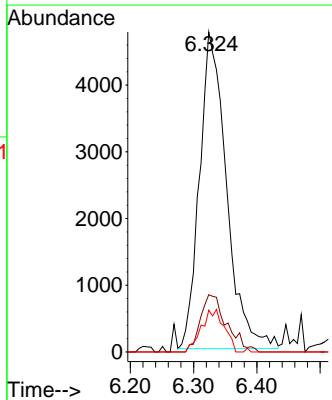
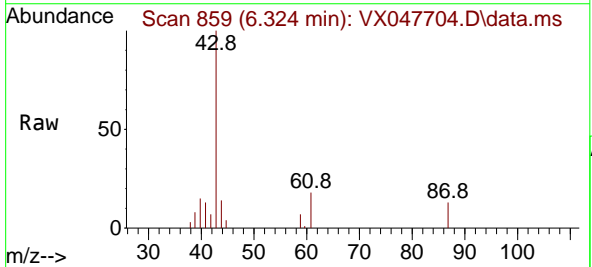
Instrument : MSVOA_X
 ClientSampleId : VNJ-210

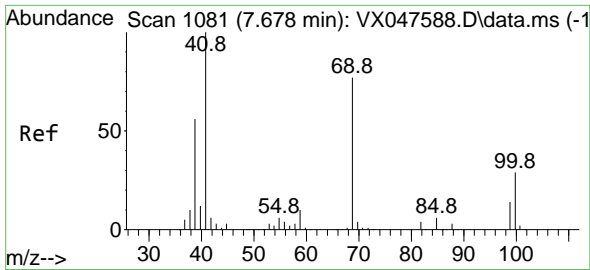
Tgt Ion	Resp	Lower	Upper
117	17863		
119	6.6	73.4	110.2#
121	0.0	23.8	35.6#



#43
 Isopropyl Acetate
 Concen: 2.267 ug/l
 RT: 6.324 min Scan# 859
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

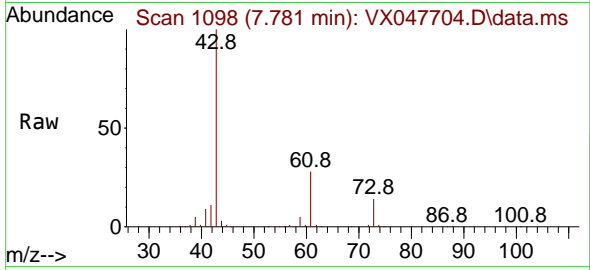
Tgt Ion	Resp	Lower	Upper
43	14100		
61	17.6	15.2	22.8
87	11.3	9.6	14.4



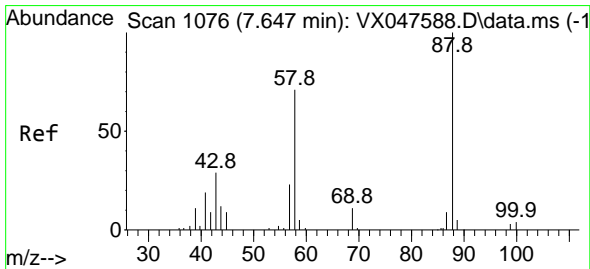
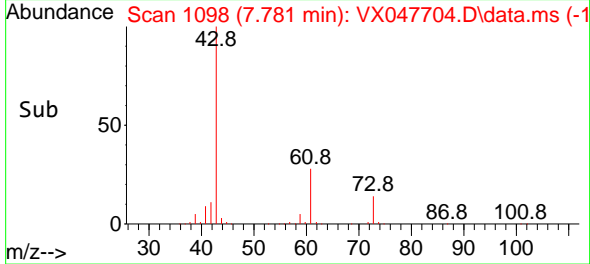
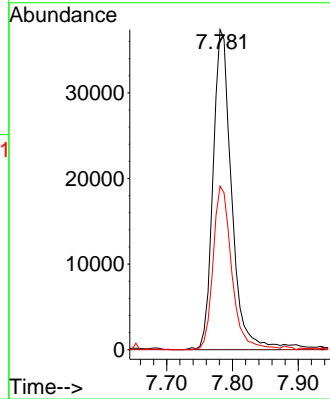


#48
 Methyl methacrylate
 Concen: 23.592 ug/l
 RT: 7.781 min Scan# 1098
 Delta R.T. 0.103 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

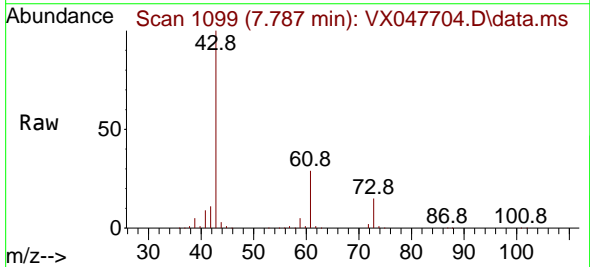
Instrument : MSVOA_X
 ClientSampleId : VNJ-210



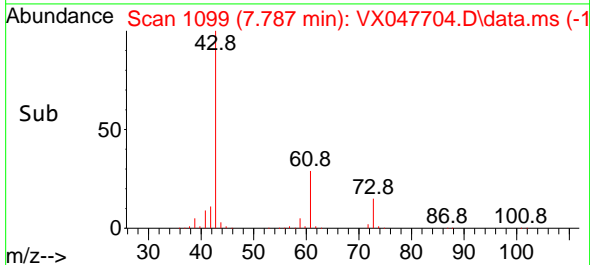
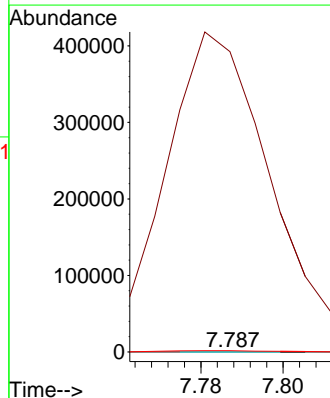
Tgt Ion: 41 Resp: 73099
 Ion Ratio Lower Upper
 41 100
 69 0.0 61.4 92.2#
 39 51.6 45.8 68.6

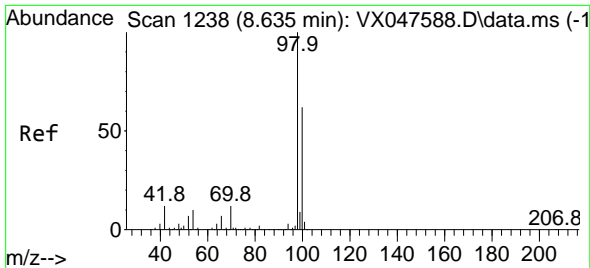


#49
 1,4-Dioxane
 Concen: 0.926 ug/l
 RT: 7.787 min Scan# 1099
 Delta R.T. 0.140 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09



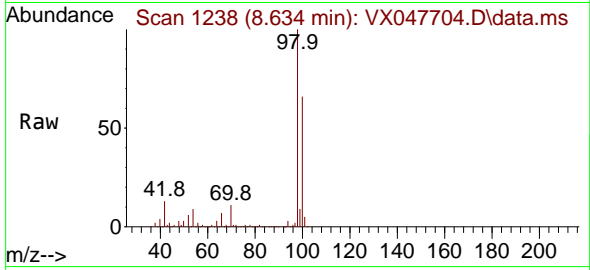
Tgt Ion: 88 Resp: 29
 Ion Ratio Lower Upper
 88 100
 43 2710382.8 30.2 45.2#
 58 11931.0 59.5 89.3#



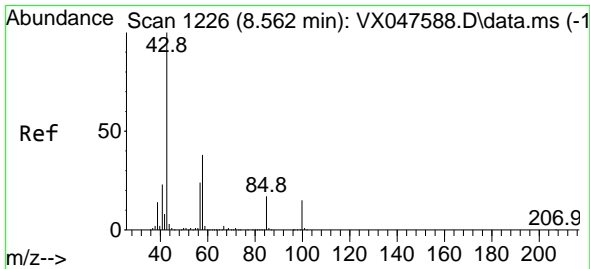
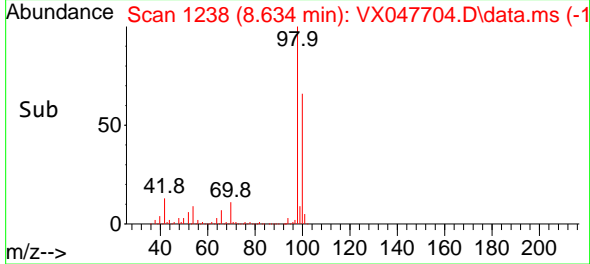
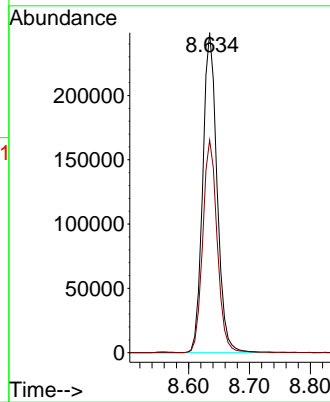


#50
 Toluene-d8
 Concen: 48.421 ug/l
 RT: 8.634 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

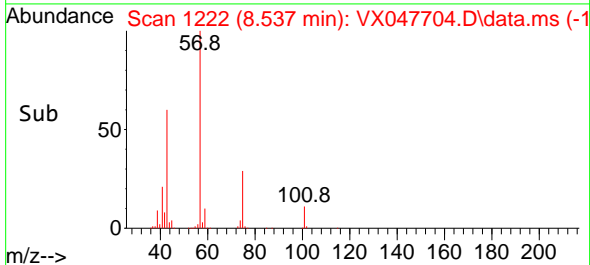
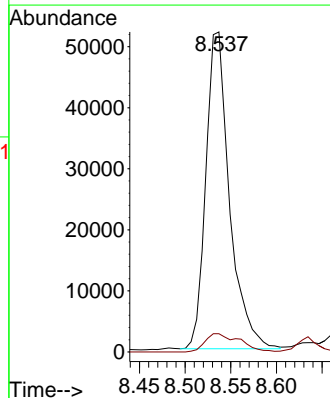
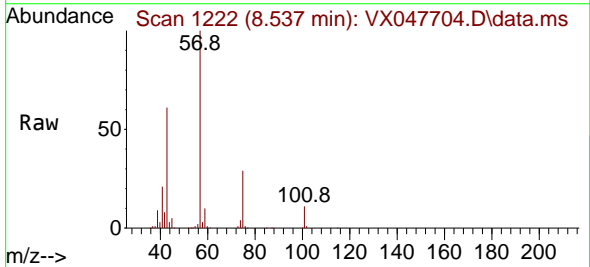


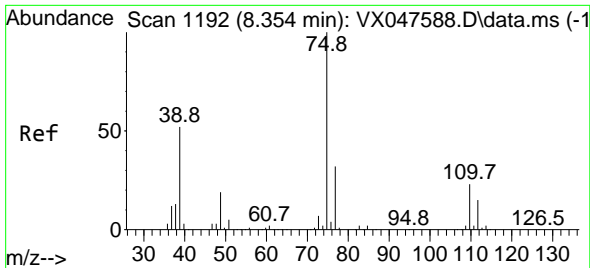
Tgt Ion: 98 Resp: 406170
 Ion Ratio Lower Upper
 98 100
 100 67.0 53.0 79.4



#51
 4-Methyl-2-Pentanone
 Concen: 27.063 ug/l
 RT: 8.537 min Scan# 1222
 Delta R.T. -0.025 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 43 Resp: 93337
 Ion Ratio Lower Upper
 43 100
 58 8.5 30.3 45.5#

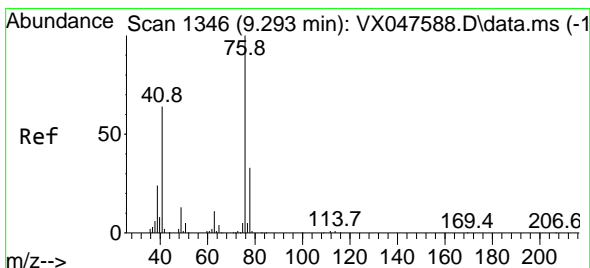
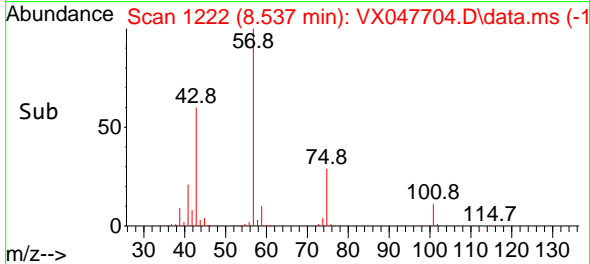
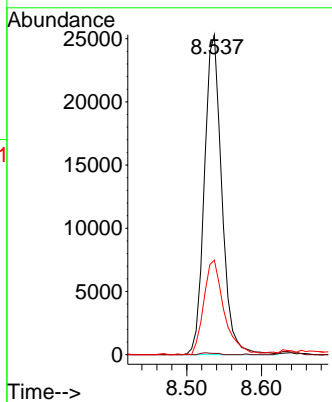
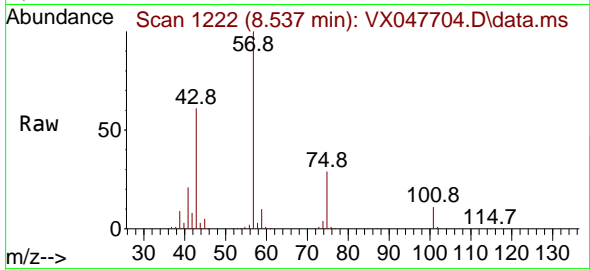




#54
 cis-1,3-Dichloropropene
 Concen: 9.094 ug/l
 RT: 8.537 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

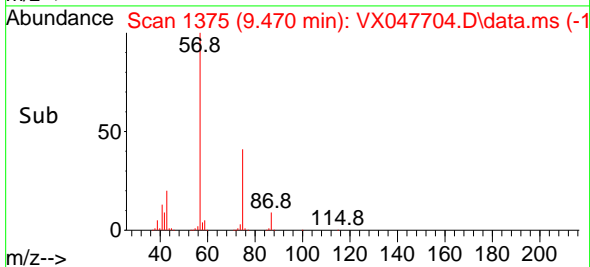
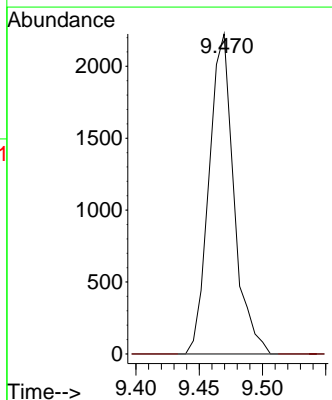
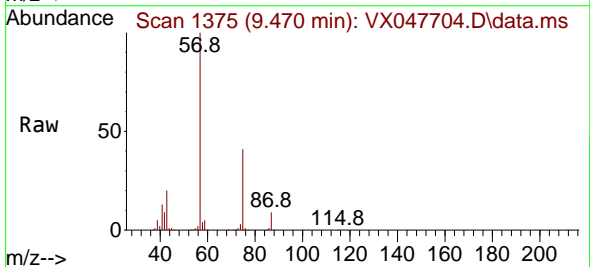
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

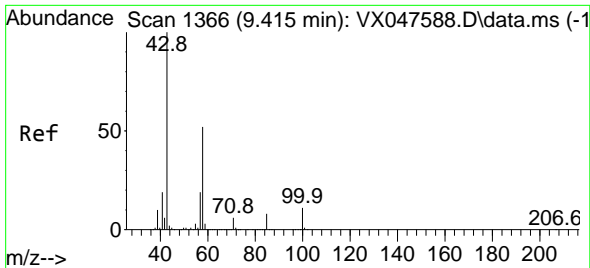
Tgt Ion: 75 Resp: 41019
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.6#
 39 29.0 41.4 62.2#



#57
 1,3-Dichloropropane
 Concen: 0.694 ug/l
 RT: 9.470 min Scan# 1375
 Delta R.T. 0.177 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 76 Resp: 3047
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

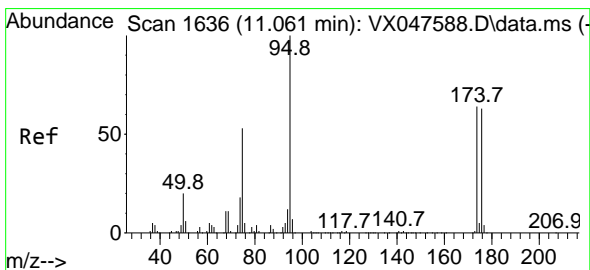
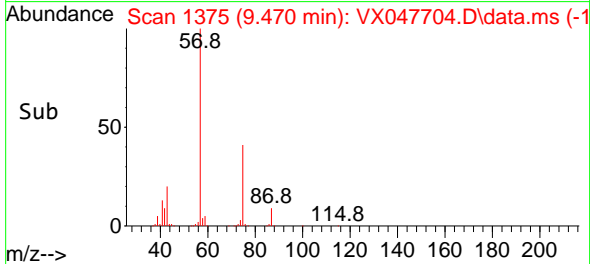
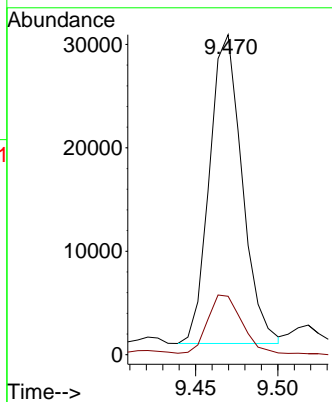
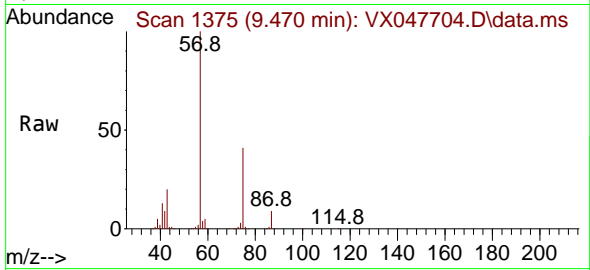




#59
 2-Hexanone
 Concen: 16.648 ug/l
 RT: 9.470 min Scan# 11
 Delta R.T. 0.055 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

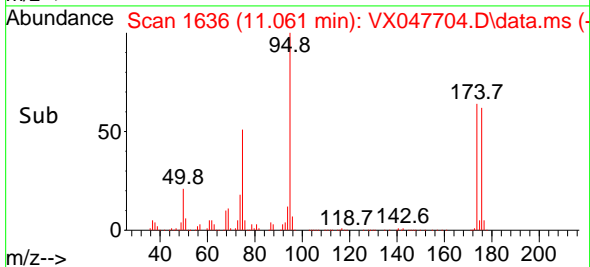
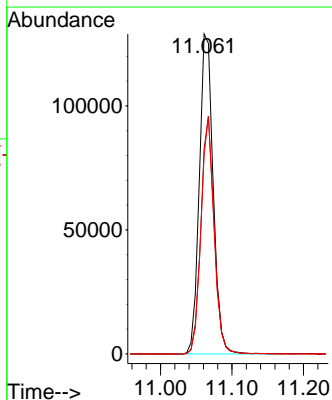
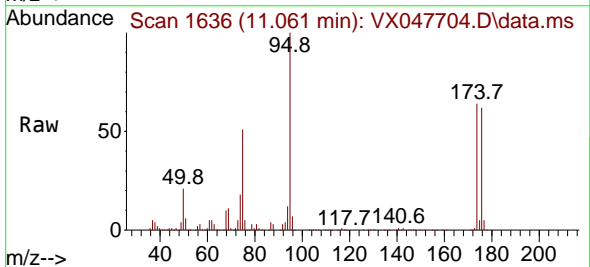
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

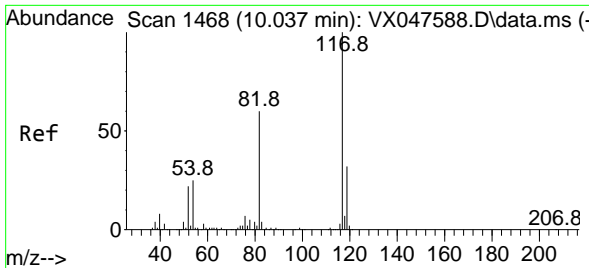
Tgt Ion: 43 Resp: 41237
 Ion Ratio Lower Upper
 43 100
 58 21.1 26.1 78.2#



#62
 4-Bromofluorobenzene
 Concen: 54.533 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

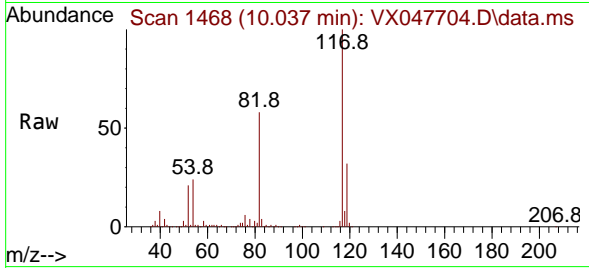
Tgt Ion: 95 Resp: 173608
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 141.6
 176 69.7 0.0 138.4





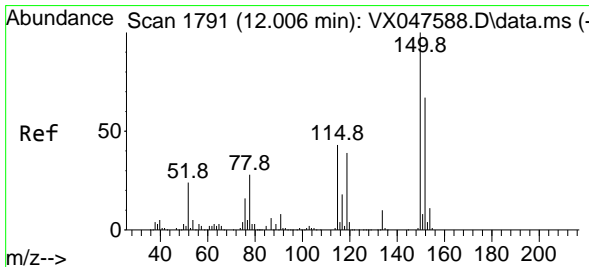
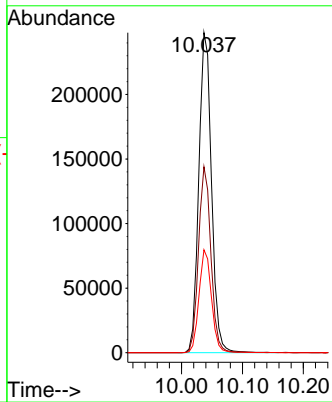
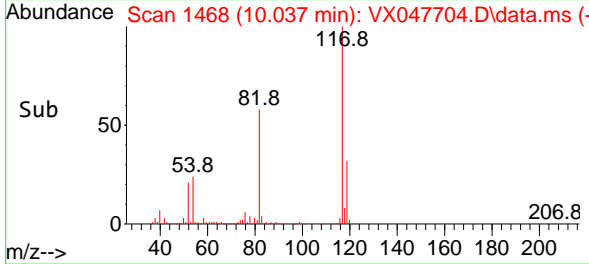
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.037 min Scan# 1468
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument : MSVOA_X
 ClientSampleId : VNJ-210

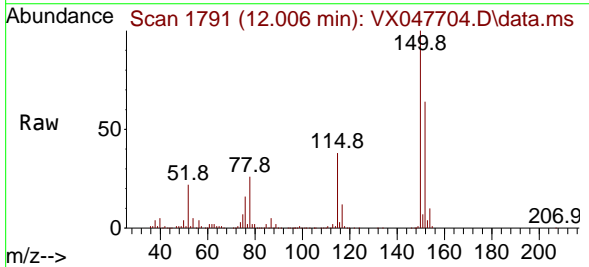


Tgt Ion:117 Resp: 358492

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

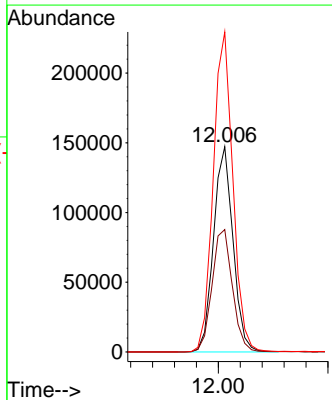
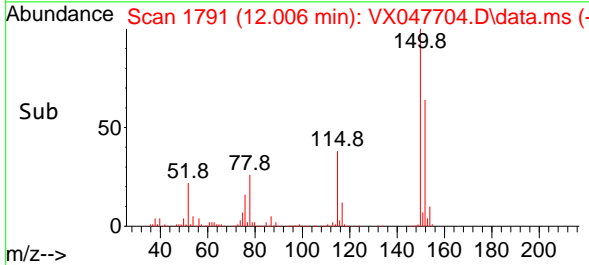


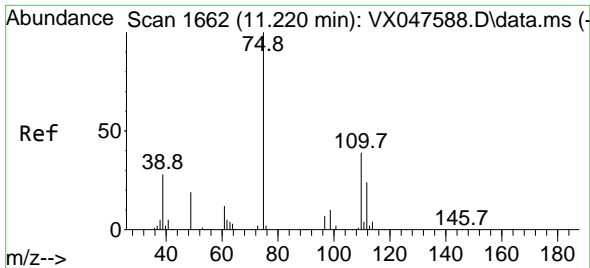
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09



Tgt Ion:152 Resp: 182041

Ion	Ratio	Lower	Upper
152	100		
115	62.4	44.9	134.5
150	156.8	0.0	352.0

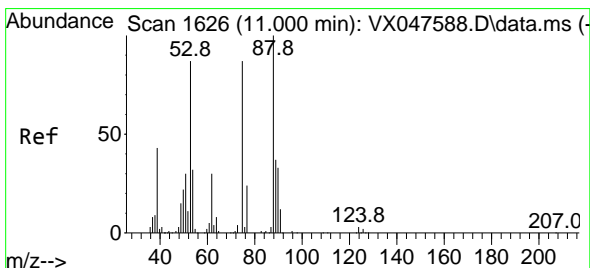
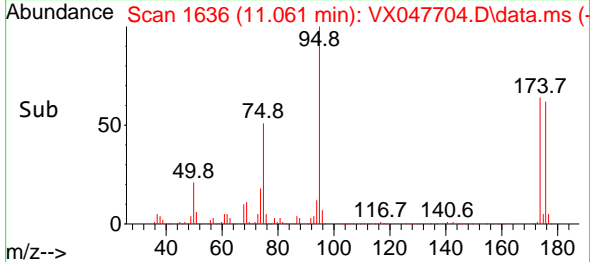
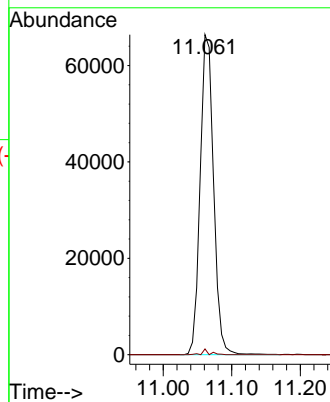
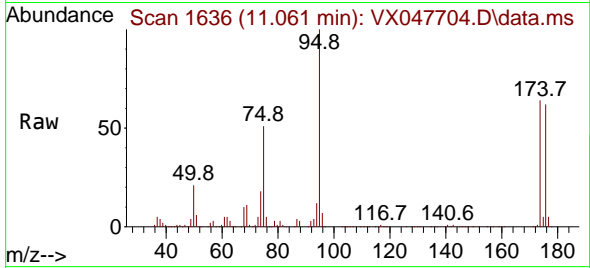




#76
 1,2,3-Trichloropropane
 Concen: 24.587 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-210

Tgt Ion: 75 Resp: 90623
 Ion Ratio Lower Upper
 75 100
 77 0.9 18.8 56.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.701 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. 0.061 min
 Lab File: VX047704.D
 Acq: 22 Sep 2025 15:09

Tgt Ion: 75 Resp: 90623
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

