

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048593.D
 Acq On : 13 Nov 2025 14:22
 Operator : JC/MD
 Sample : Q3609-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-02

Quant Time: Nov 14 03:58:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

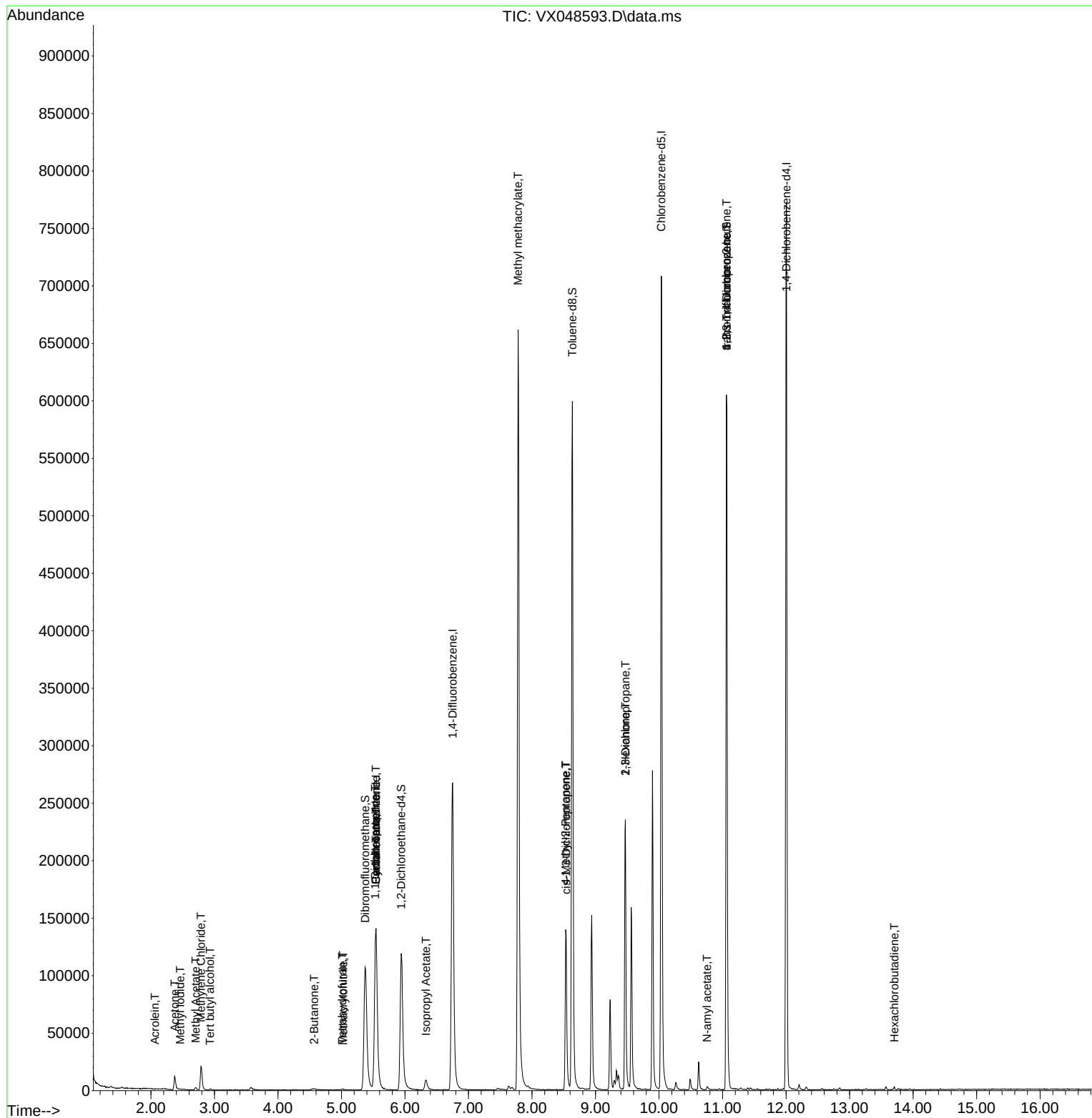
Internal Standards						
1) Pentafluorobenzene	5.544	168	143432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	298042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	322250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129948	65.019	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 130.040%#			
35) Dibromofluoromethane	5.373	113	105043	46.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.140%			
50) Toluene-d8	8.635	98	375623	53.391	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.780%			
62) 4-Bromofluorobenzene	11.061	95	177910	67.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 135.720%#			
Target Compounds					Qvalue	
10) Methyl Iodide	2.459	142	503	0.213	ug/l #	81
11) Tert butyl alcohol	2.928	59	163	0.430	ug/l #	71
13) Acrolein	2.063	56	38	0.693	ug/l #	15
16) Acetone	2.374	43	15395	16.273	ug/l	99
18) Methyl Acetate	2.703	43	3121	1.200	ug/l #	90
20) Methylene Chloride	2.788	84	10041	5.162	ug/l #	86
25) 2-Butanone	4.568	43	1228	0.877	ug/l	98
29) Tetrahydrofuran	5.013	42	693	0.694	ug/l #	57
31) Cyclohexane	5.544	56	3472	1.294	ug/l #	1
36) 1,1-Dichloropropene	5.532	75	11748	3.889	ug/l #	49
38) Carbon Tetrachloride	5.544	117	15598	4.536	ug/l #	17
41) Methacrylonitrile	5.026	41	454	0.243	ug/l #	38
43) Isopropyl Acetate	6.330	43	14339	2.399	ug/l	97
48) Methyl methacrylate	7.781	41	64676	24.342	ug/l #	42
51) 4-Methyl-2-Pentanone	8.531	43	54729	16.086	ug/l #	48
54) cis-1,3-Dichloropropene	8.537	75	23448	7.016	ug/l #	64
57) 1,3-Dichloropropane	9.470	76	2032	0.593	ug/l #	42
59) 2-Hexanone	9.470	43	30622	12.100	ug/l #	51
74) N-amyl acetate	10.756	43	2395	0.396	ug/l #	44
76) 1,2,3-Trichloropropane	11.061	75	90967	22.754	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	90967	65.085	ug/l #	12
94) Hexachlorobutadiene	13.707	225	363	0.234	ug/l	89

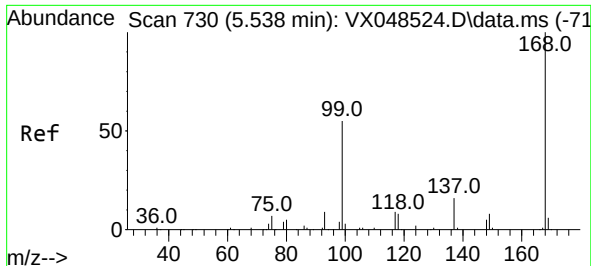
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Response via : Initial Calibration

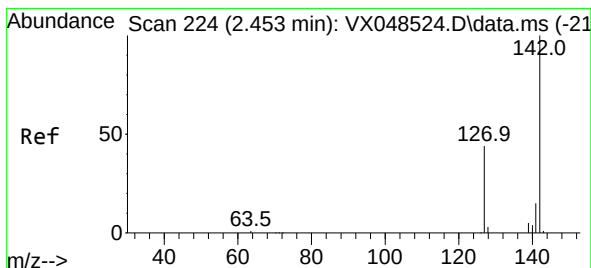
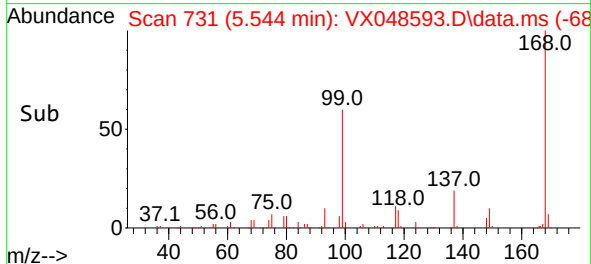
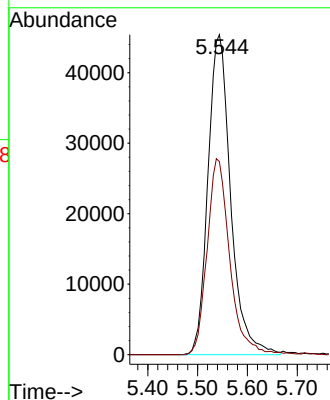
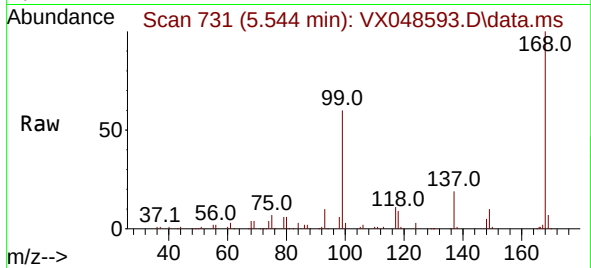




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

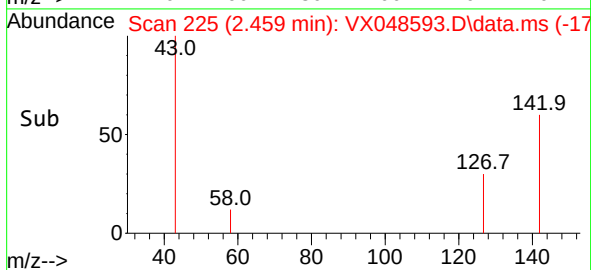
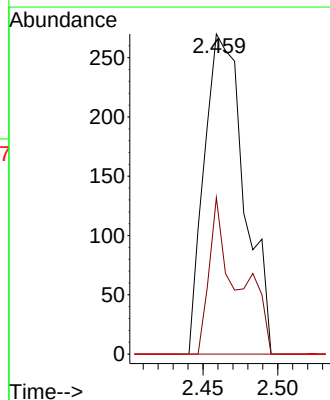
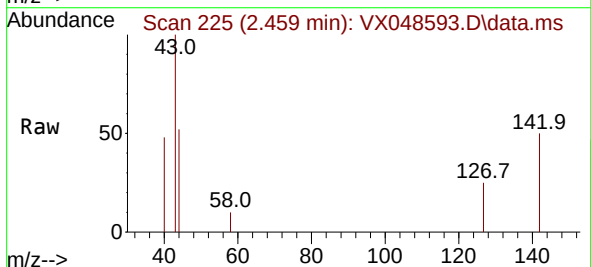
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

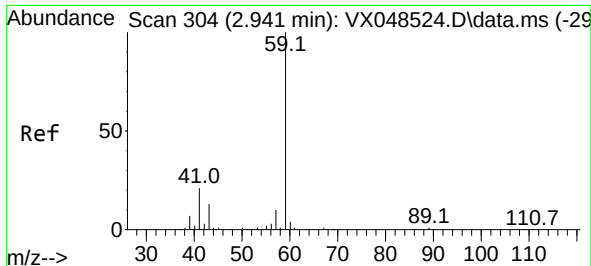
Tgt Ion:168 Resp: 143432
Ion Ratio Lower Upper
168 100
99 60.3 45.2 67.8



#10
Methyl Iodide
Concen: 0.213 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion:142 Resp: 503
Ion Ratio Lower Upper
142 100
127 35.2 35.8 53.6#
141 0.0 11.4 17.0#

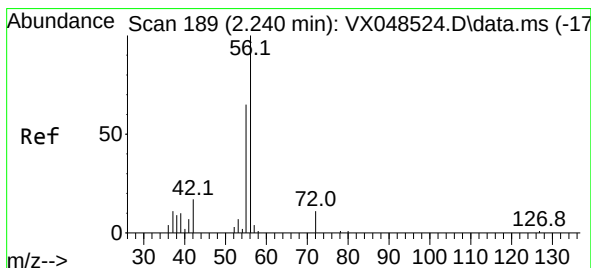
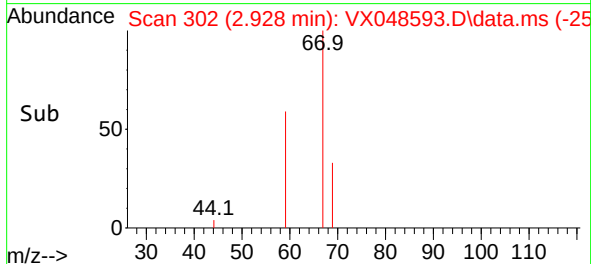
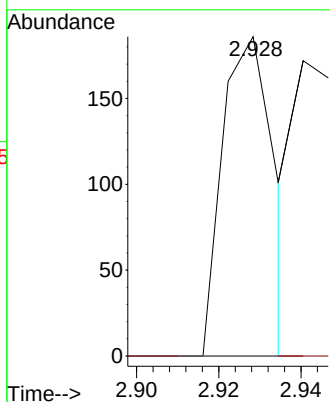
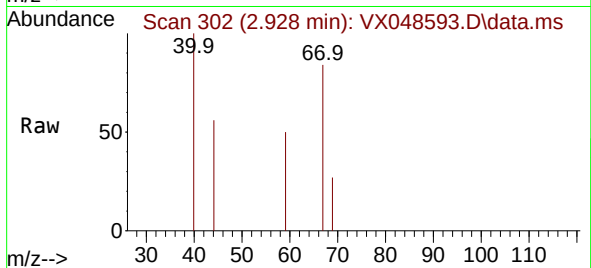




#11
Tert butyl alcohol
Concen: 0.430 ug/l
RT: 2.928 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

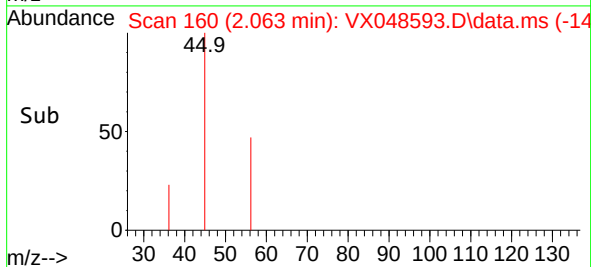
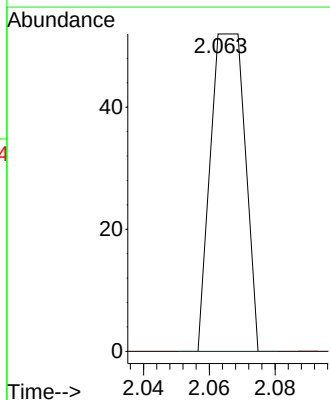
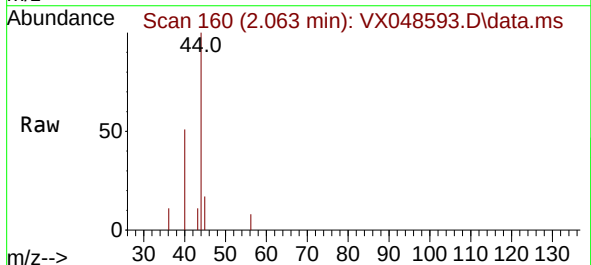
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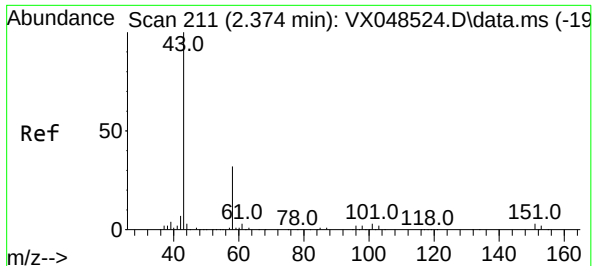
Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 0.693 ug/l
RT: 2.063 min Scan# 160
Delta R.T. -0.177 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#

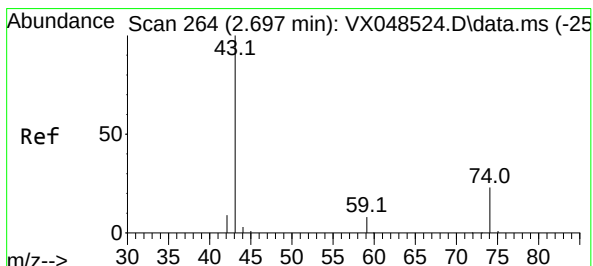
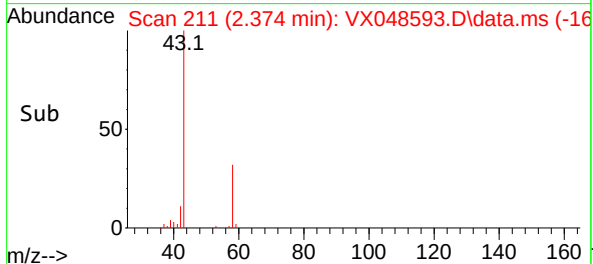
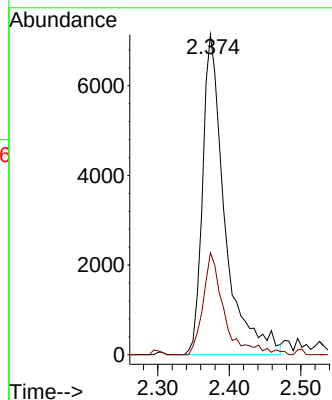
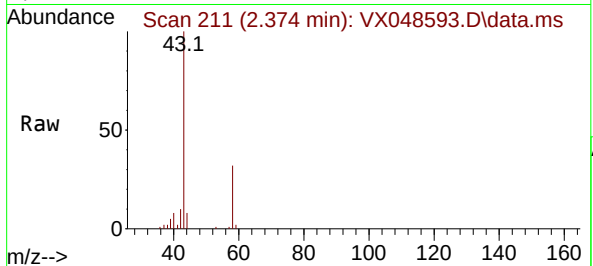




#16
Acetone
Concen: 16.273 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

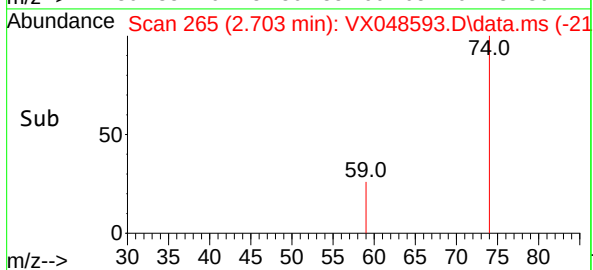
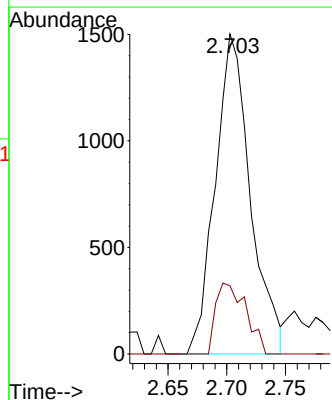
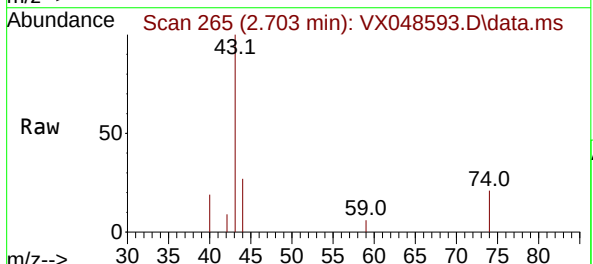
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

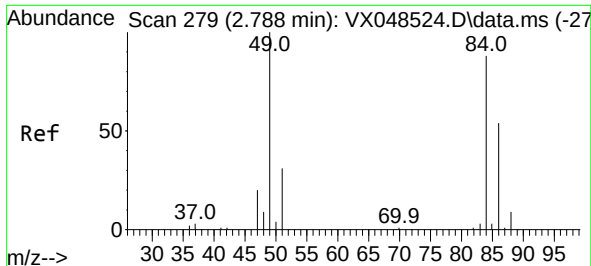
Tgt Ion: 43 Resp: 15395
Ion Ratio Lower Upper
43 100
58 31.9 25.8 38.6



#18
Methyl Acetate
Concen: 1.200 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
74 19.0 19.1 28.7#

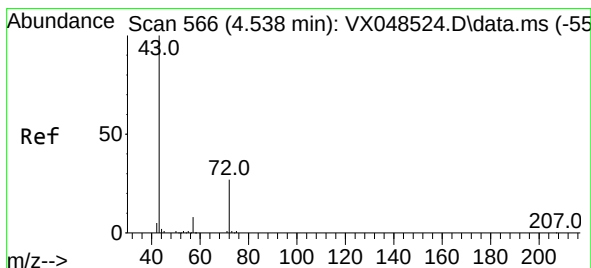
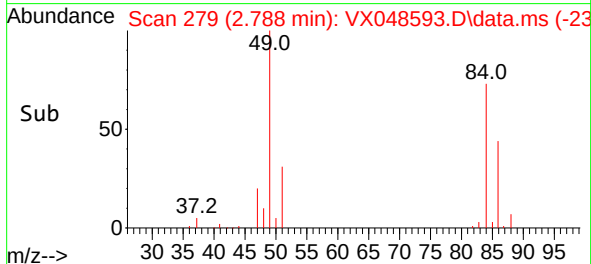
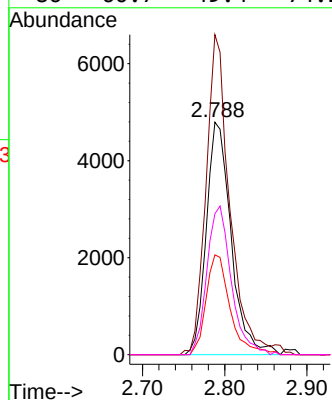
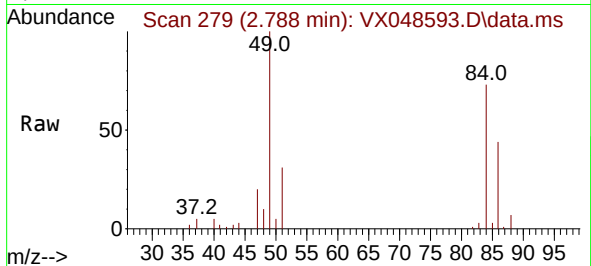




#20
Methylene Chloride
Concen: 5.162 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

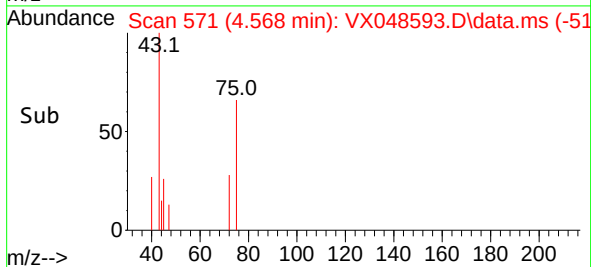
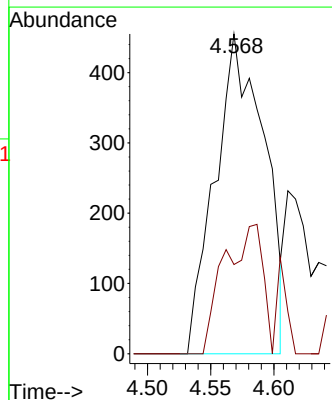
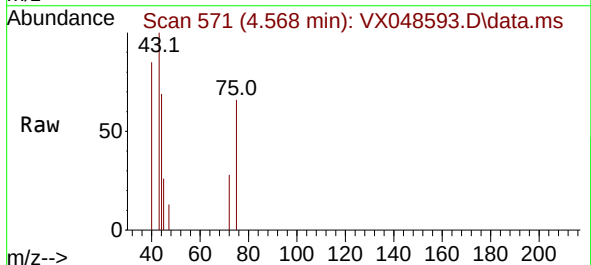
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

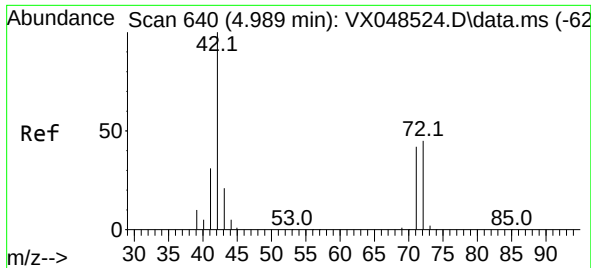
Tgt Ion:	84	Resp:	10041
Ion	Ratio	Lower	Upper
84	100		
49	137.7	91.2	136.8#
51	42.9	28.3	42.5#
86	60.7	49.4	74.2



#25
2-Butanone
Concen: 0.877 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion:	43	Resp:	1228
Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.5	32.3

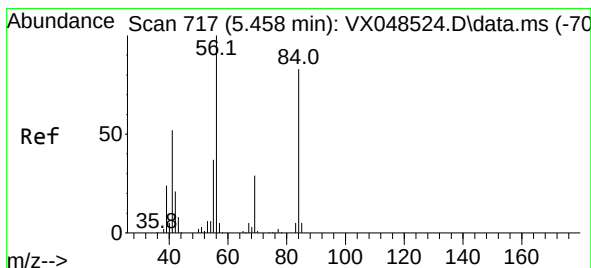
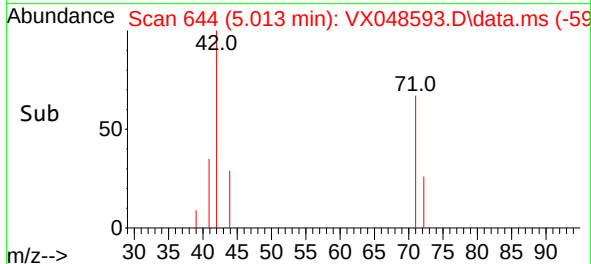
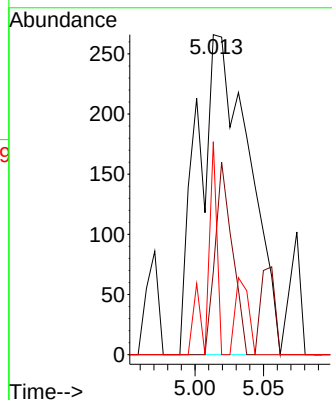
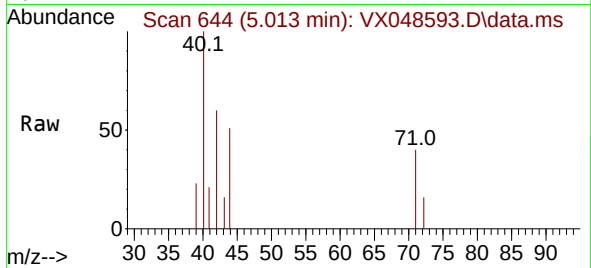




#29
Tetrahydrofuran
Concen: 0.694 ug/l
RT: 5.013 min Scan# 640
Delta R.T. 0.024 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

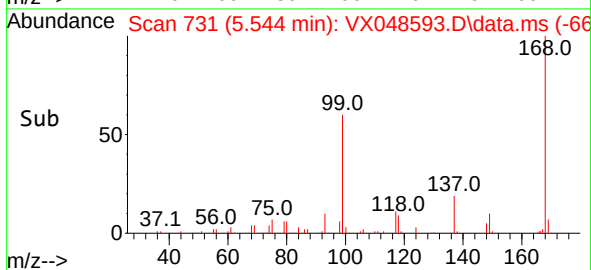
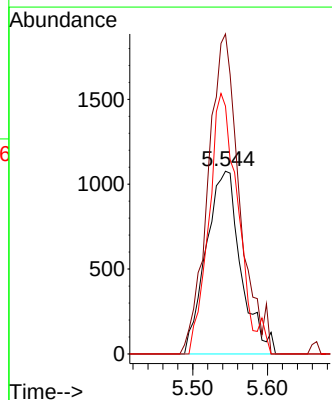
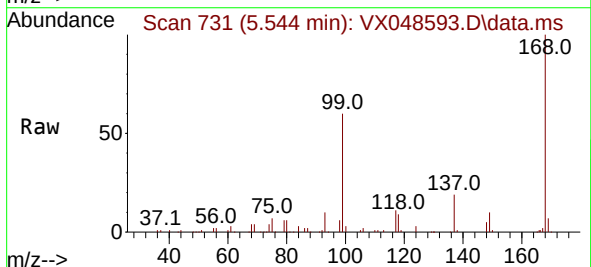
Instrument :
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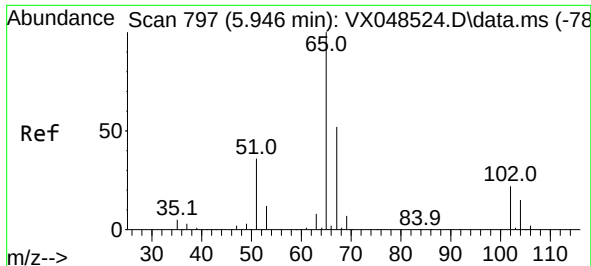
Tgt Ion:	42	Resp:	693
Ion	Ratio	Lower	Upper
42	100		
72	20.3	36.3	54.5#
71	12.4	34.1	51.1#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion:	56	Resp:	3472
Ion	Ratio	Lower	Upper
56	100		
69	175.1	23.4	35.2#
84	135.7	66.3	99.5#





#33

1,2-Dichloroethane-d4

Concen: 65.019 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048593.D

Acq: 13 Nov 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

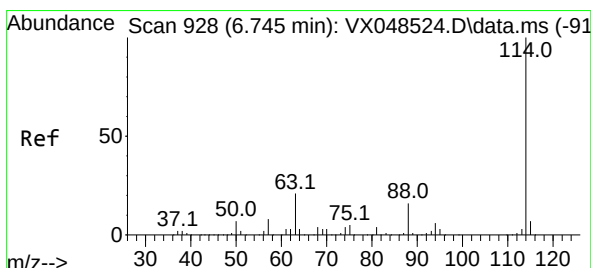
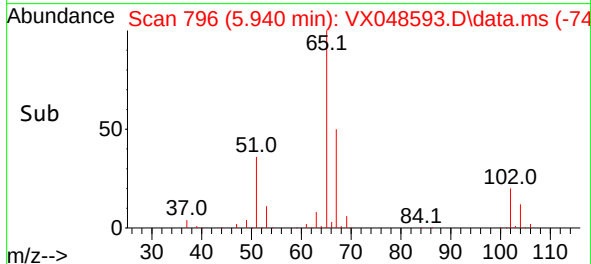
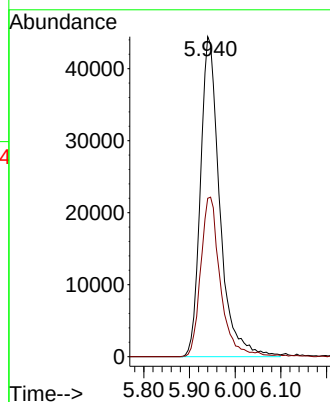
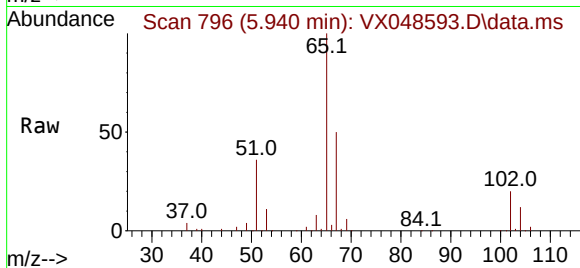
AU-713-COMP-02

Tgt Ion: 65 Resp: 129948

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048593.D

Acq: 13 Nov 2025 14:22

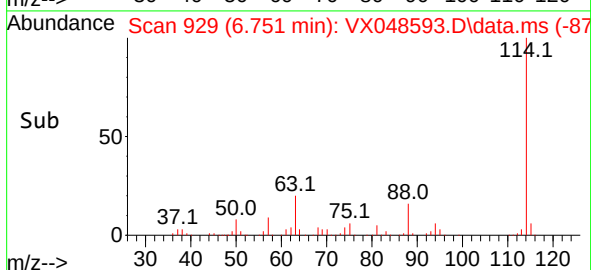
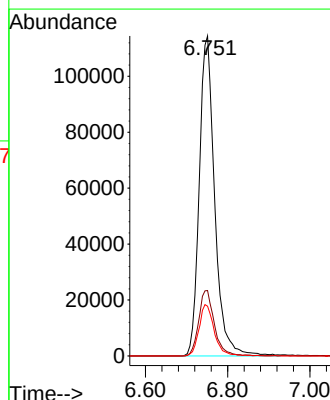
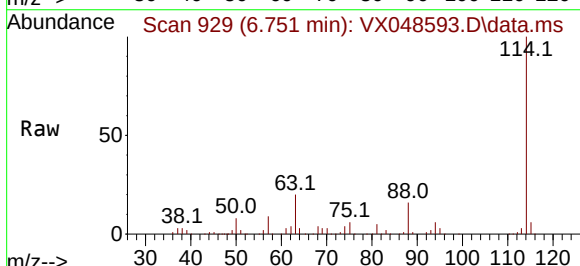
Tgt Ion: 114 Resp: 298042

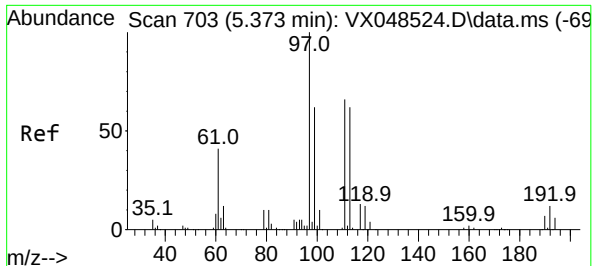
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

88 15.5 0.0 32.2

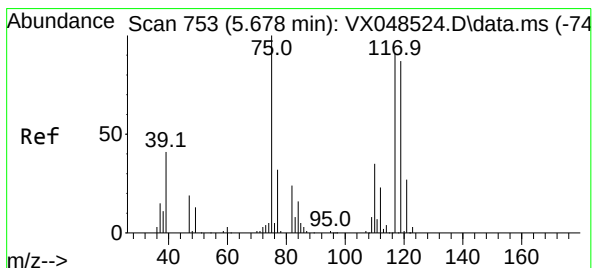
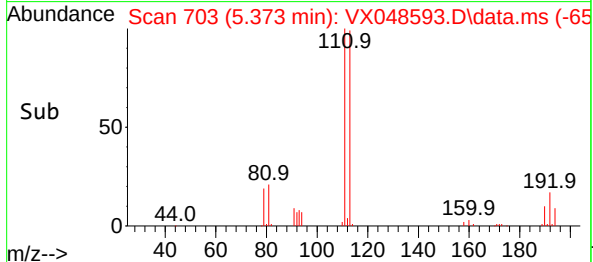
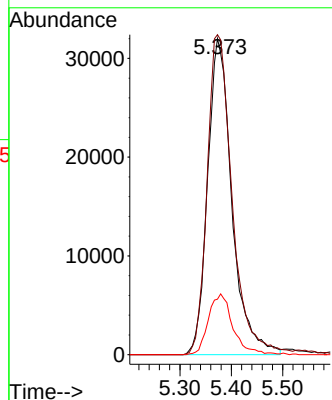
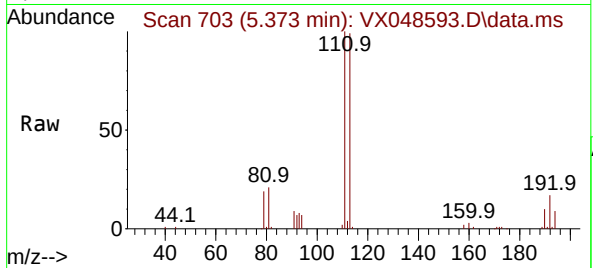




#35
Dibromofluoromethane
Concen: 46.566 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

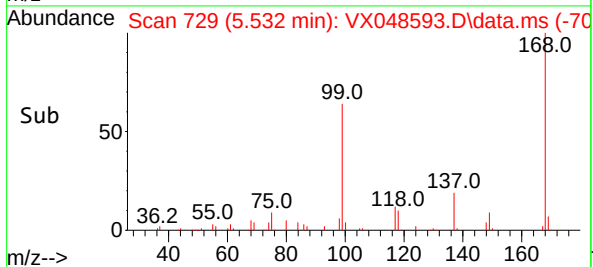
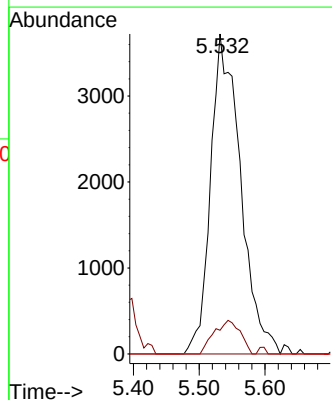
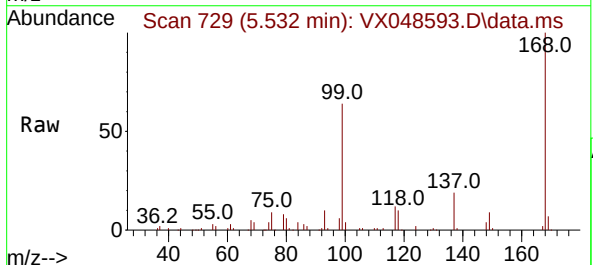
Instrument :
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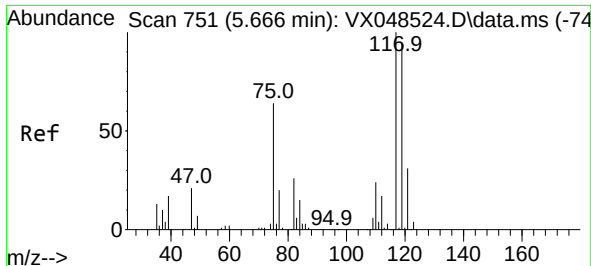
Tgt Ion:113 Resp: 105043
Ion Ratio Lower Upper
113 100
111 104.5 81.9 122.9
192 19.4 15.8 23.6



#36
1,1-Dichloropropene
Concen: 3.889 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.146 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 75 Resp: 11748
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.4#
77 0.0 24.6 37.0#

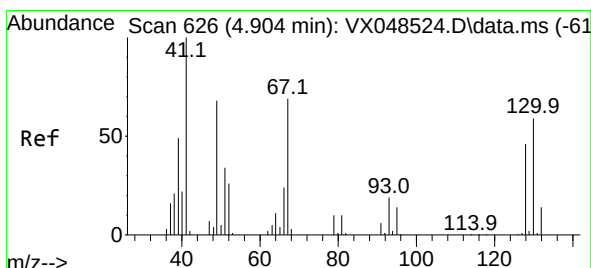
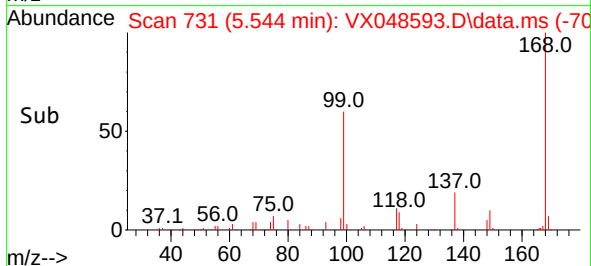
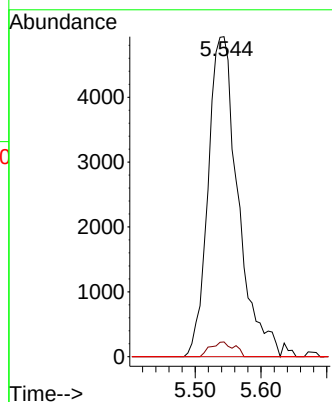
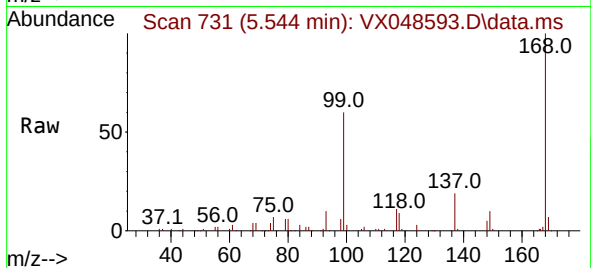




#38
Carbon Tetrachloride
Concen: 4.536 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

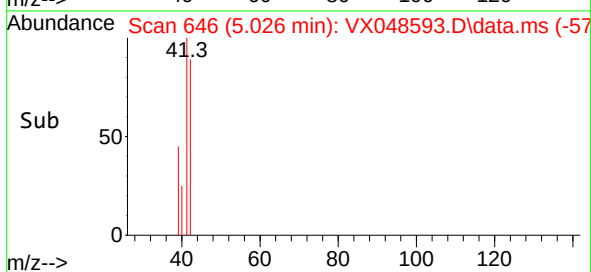
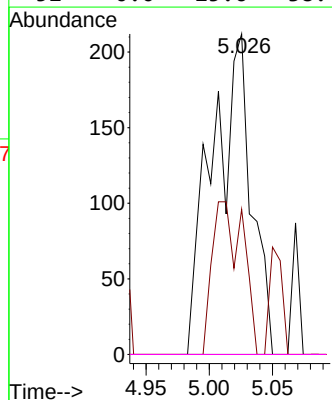
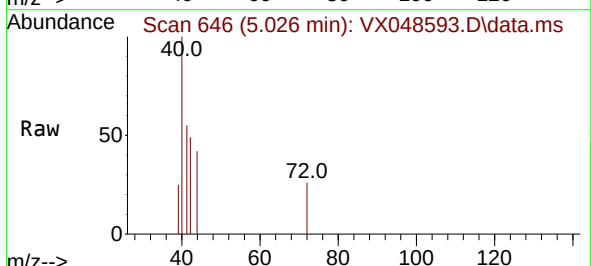
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

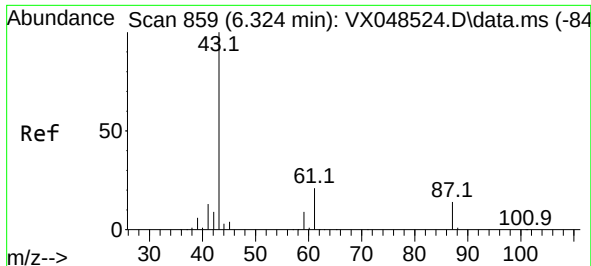
Tgt Ion:117 Resp: 15598
Ion Ratio Lower Upper
117 100
119 4.6 74.5 111.7#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.243 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.122 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 41 Resp: 454
Ion Ratio Lower Upper
41 100
39 37.4 41.1 61.7#
67 0.0 64.2 96.2#
52 0.0 25.6 38.4#

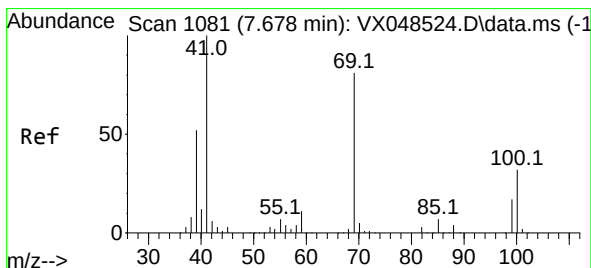
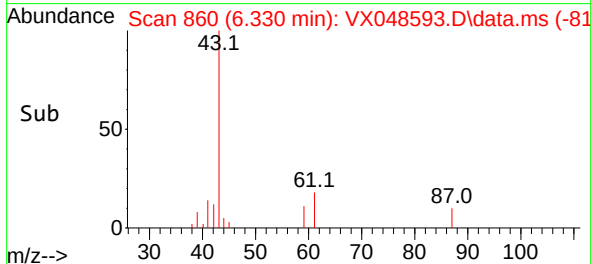
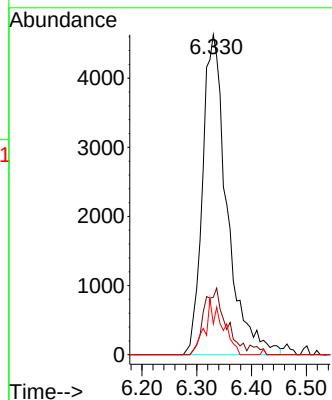
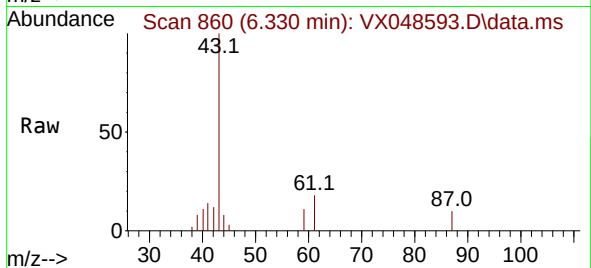




#43
Isopropyl Acetate
Concen: 2.399 ug/l
RT: 6.330 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

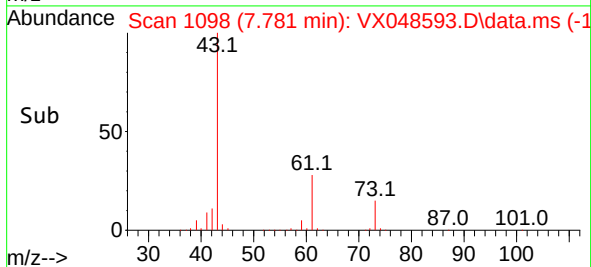
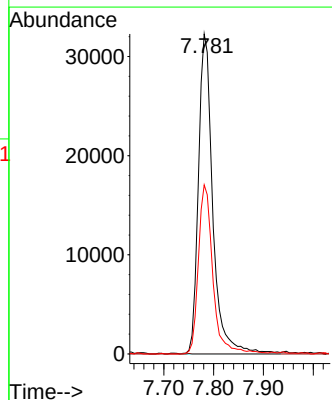
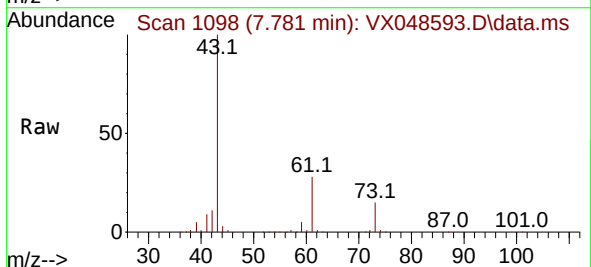
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

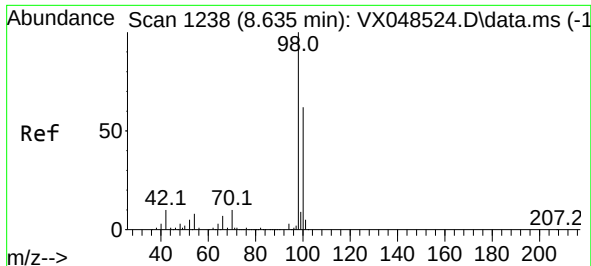
Tgt Ion: 43 Resp: 14339
Ion Ratio Lower Upper
43 100
61 18.7 16.2 24.4
87 12.4 10.9 16.3



#48
Methyl methacrylate
Concen: 24.342 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 41 Resp: 64676
Ion Ratio Lower Upper
41 100
69 0.0 67.9 101.9#
39 53.3 42.2 63.2

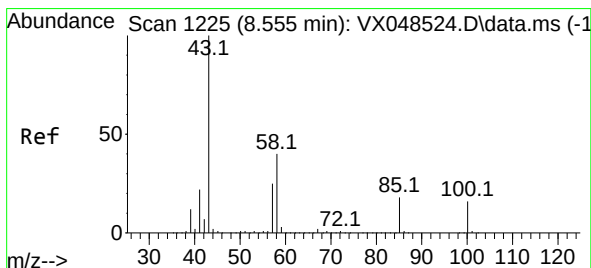
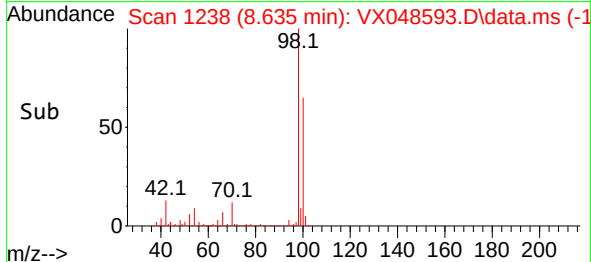
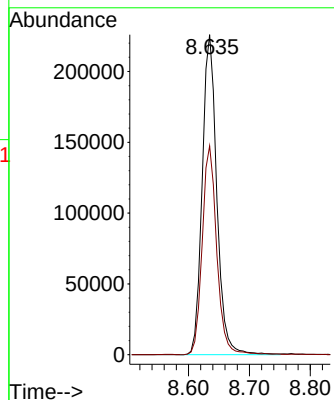
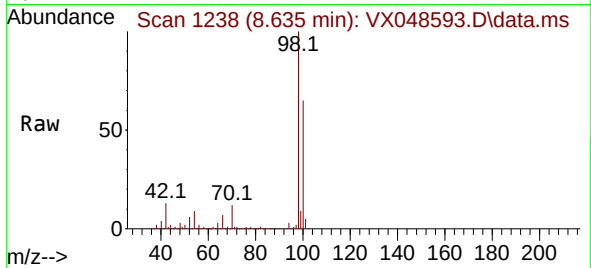




#50
Toluene-d8
Concen: 53.391 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

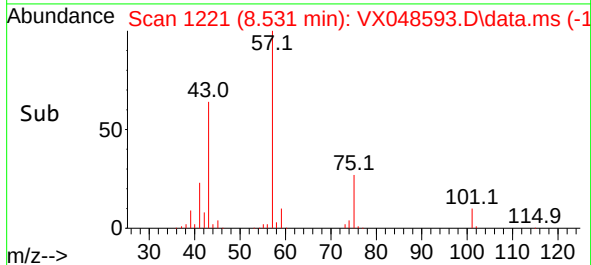
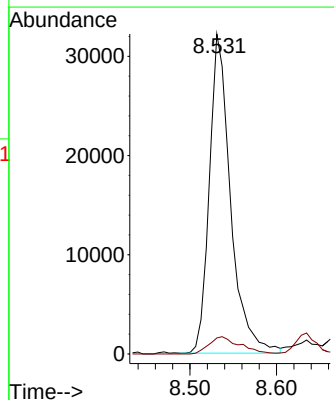
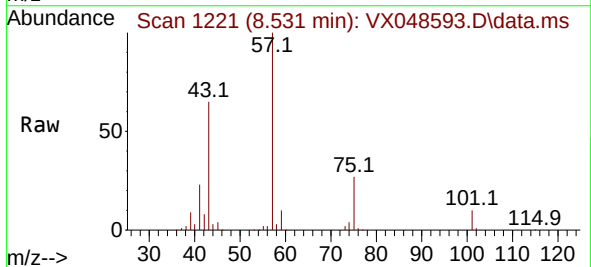
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

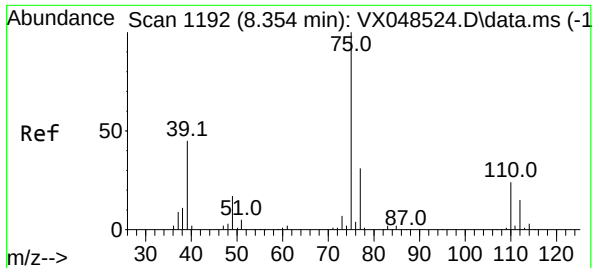
Tgt Ion: 98 Resp: 375623
Ion Ratio Lower Upper
98 100
100 65.0 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 16.086 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 43 Resp: 54729
Ion Ratio Lower Upper
43 100
58 7.9 32.3 48.5#

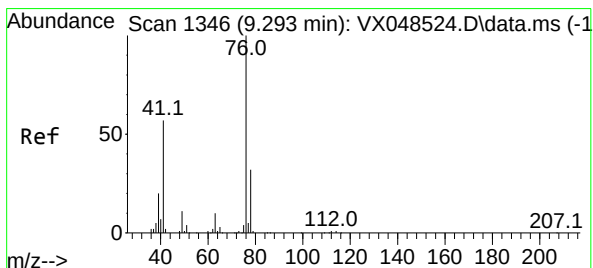
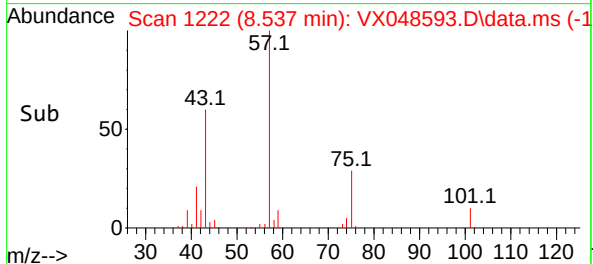
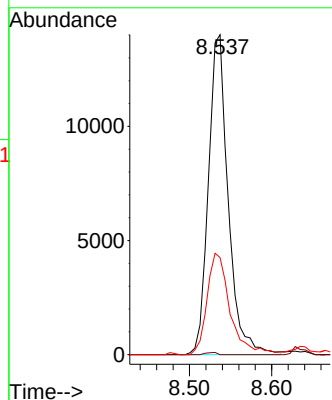
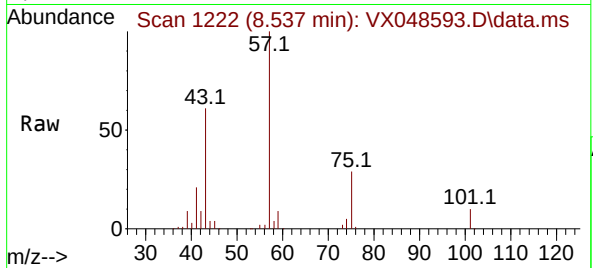




#54
 cis-1,3-Dichloropropene
 Concen: 7.016 ug/l
 RT: 8.537 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX048593.D
 Acq: 13 Nov 2025 14:22

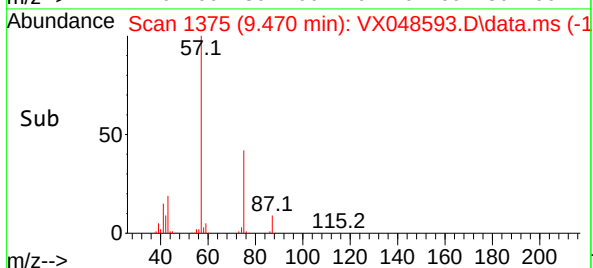
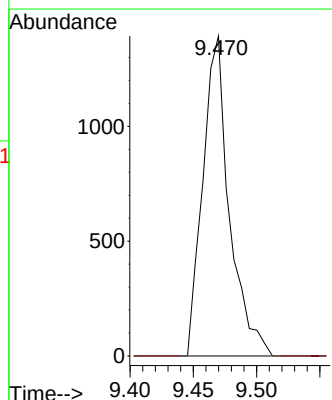
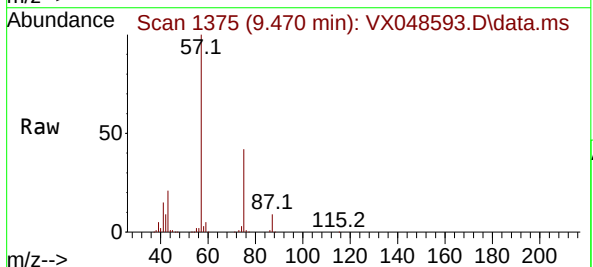
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-713-COMP-02

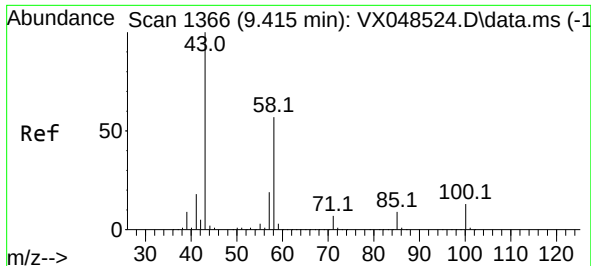
Tgt Ion: 75 Resp: 23448
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 30.4 36.1 54.1#



#57
 1,3-Dichloropropane
 Concen: 0.593 ug/l
 RT: 9.470 min Scan# 1375
 Delta R.T. 0.177 min
 Lab File: VX048593.D
 Acq: 13 Nov 2025 14:22

Tgt Ion: 76 Resp: 2032
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

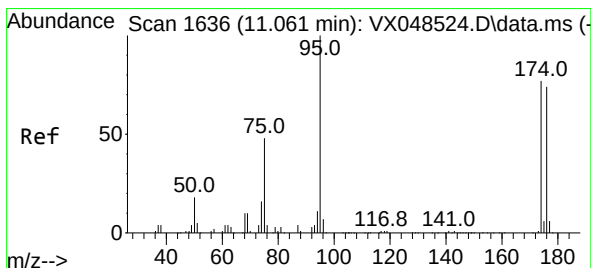
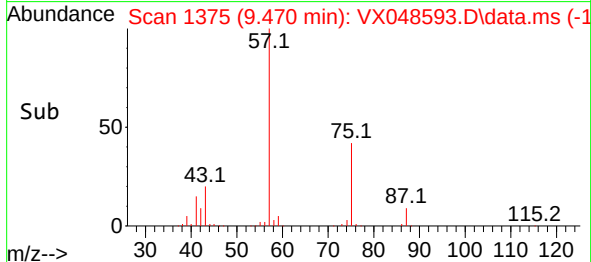
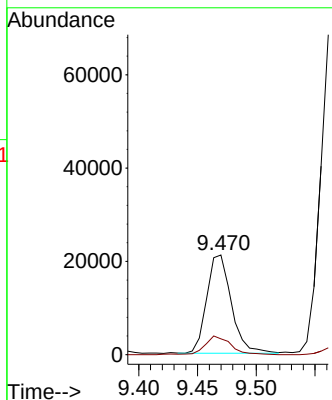
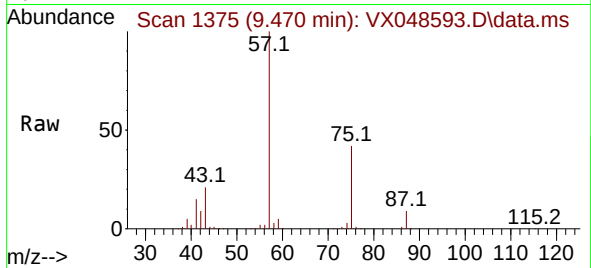




#59
2-Hexanone
Concen: 12.100 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

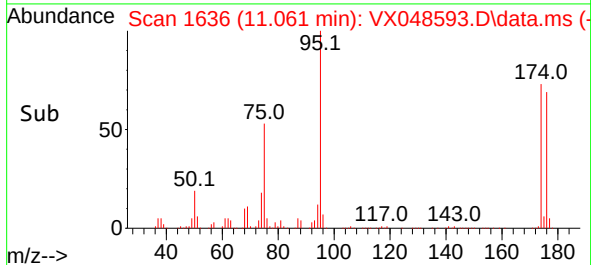
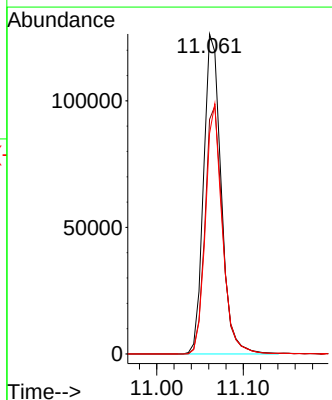
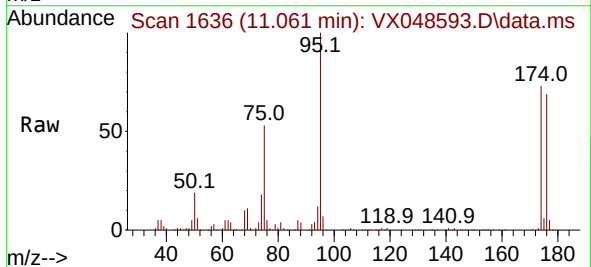
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

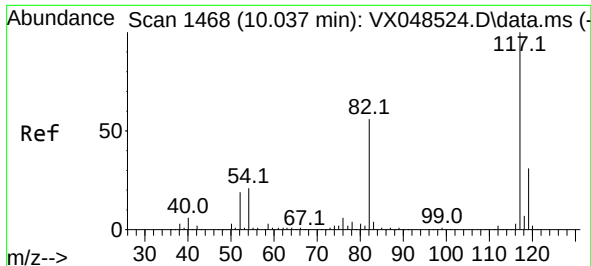
Tgt Ion: 43 Resp: 30622
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.2#



#62
4-Bromofluorobenzene
Concen: 67.857 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 95 Resp: 177910
Ion Ratio Lower Upper
95 100
174 77.7 0.0 161.8
176 74.8 0.0 153.6

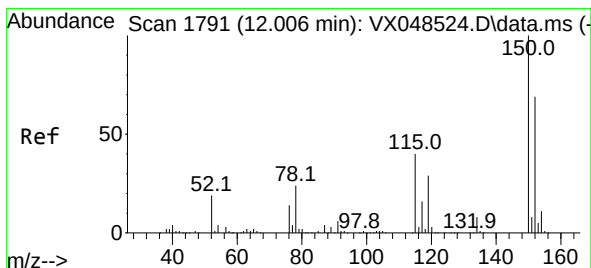
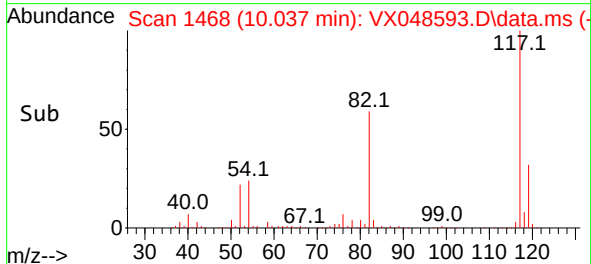
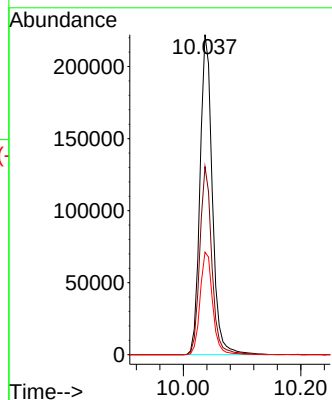
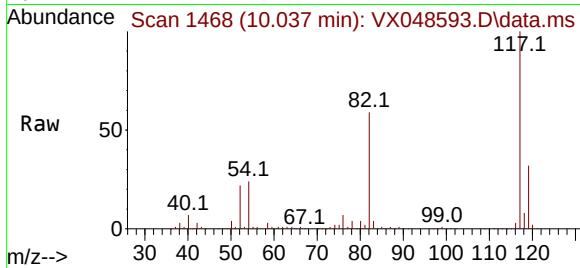




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

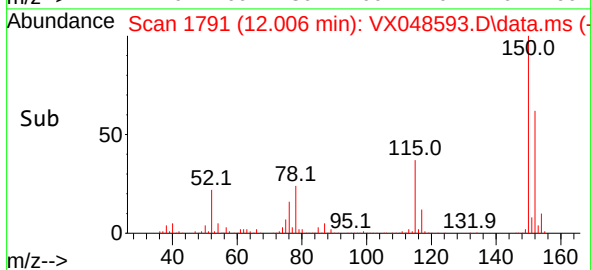
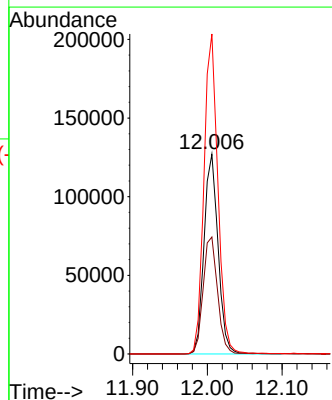
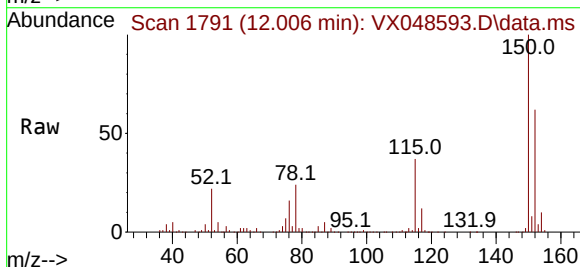
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

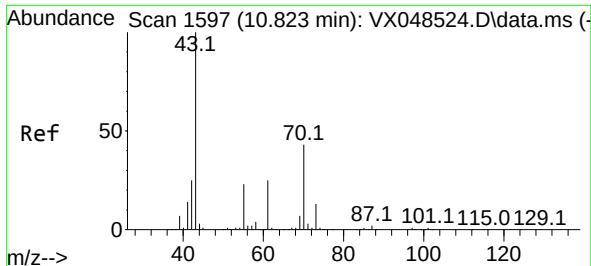
Tgt Ion:117 Resp: 322250
Ion Ratio Lower Upper
117 100
82 58.8 44.4 66.6
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion:152 Resp: 165942
Ion Ratio Lower Upper
152 100
115 60.3 39.2 117.6
150 158.6 0.0 347.0

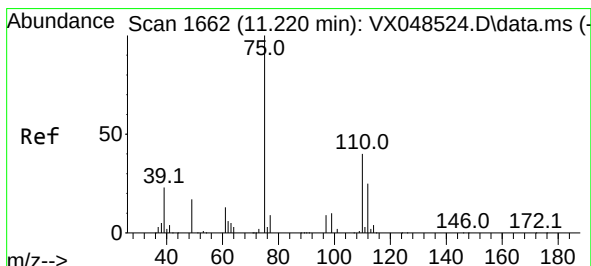
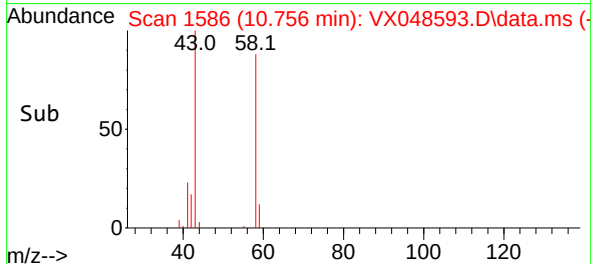
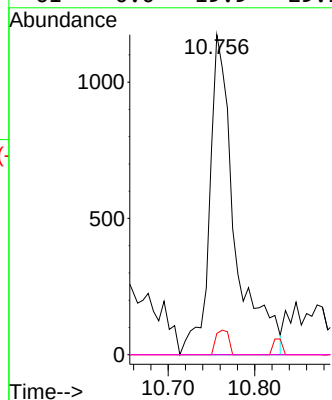
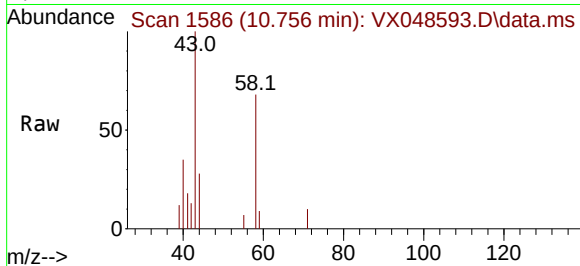




#74
N-amy1 acetate
Concen: 0.396 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.067 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

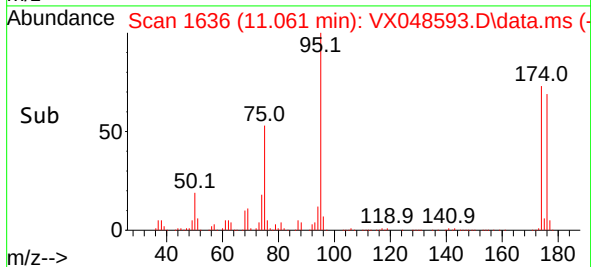
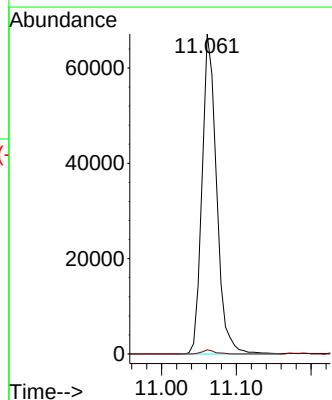
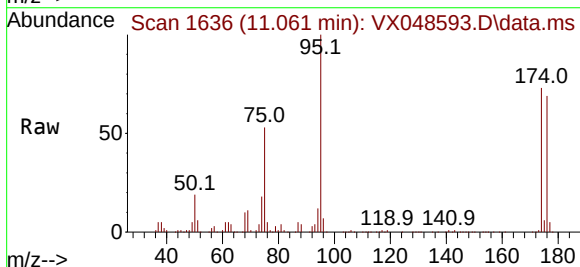
Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

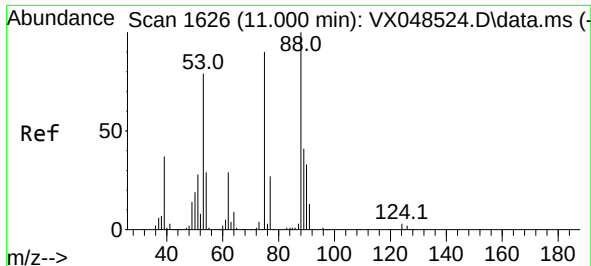
Tgt Ion:	43	Resp:	2395
Ion	Ratio	Lower	Upper
43	100		
70	0.0	35.1	52.7#
55	3.9	19.3	28.9#
61	0.0	19.9	29.9#



#76
1,2,3-Trichloropropane
Concen: 22.754 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion:	75	Resp:	90967
Ion	Ratio	Lower	Upper
75	100		
77	1.1	24.3	72.8#

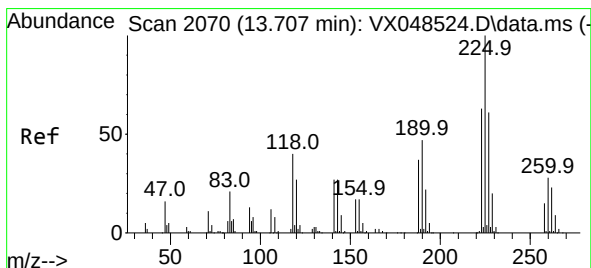
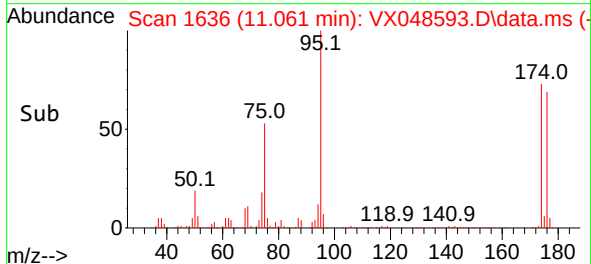
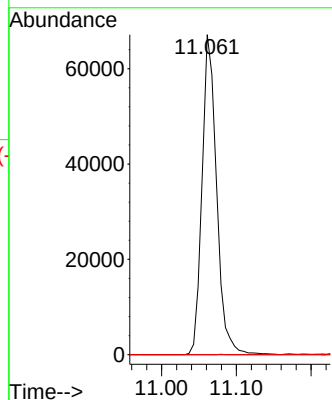
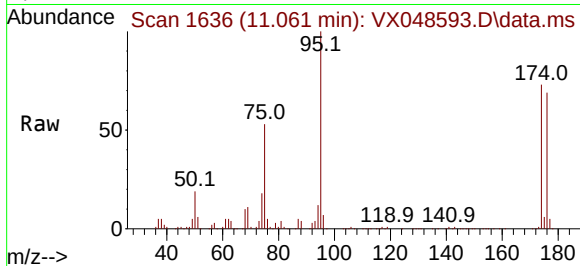




#81
trans-1,4-Dichloro-2-butene
Concen: 65.085 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Instrument :
MSVOA_X
ClientSampleId :
AU-713-COMP-02

Tgt Ion: 75 Resp: 90967
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048593.D
Acq: 13 Nov 2025 14:22

Tgt Ion: 225 Resp: 363
Ion Ratio Lower Upper
225 100
223 72.5 30.6 92.0
227 71.3 32.5 97.4

