

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088375.D
 Acq On : 01 Dec 2025 12:30
 Operator : JC\MD
 Sample : Q3715-02 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	190391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	411286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	194905	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186996	52.138	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.280%	
35) Dibromofluoromethane	8.147	113	145277	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.580%	
50) Toluene-d8	10.541	98	547230	49.901	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.829	95	207102	55.040	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.080%	

Target Compounds				Qvalue		
3) Chloromethane	2.383	50	1169	0.381	ug/l #	43
5) Bromomethane	2.995	94	393	0.261	ug/l	82
6) Chloroethane	3.148	64	492	0.254	ug/l #	42
10) Methyl Iodide	4.601	142	682	0.295	ug/l #	38
11) Tert butyl alcohol	5.524	59	474	0.828	ug/l #	72
13) Acrolein	4.148	56	3928	7.165	ug/l #	1
14) Allyl chloride	5.118	41	10010	2.325	ug/l #	18
15) Acrylonitrile	5.806	53	18055	10.928	ug/l #	35
16) Acetone	4.418	43	54638	42.123	ug/l #	77
17) Carbon Disulfide	4.712	76	7072	0.932	ug/l #	76
18) Methyl Acetate	5.106	43	3876	1.004	ug/l #	53
19) Methyl tert-butyl Ether	5.795	73	7560	0.869	ug/l #	1
20) Methylene Chloride	5.259	84	2501	0.901	ug/l #	1
24) 1,1-Dichloroethane	6.647	63	1663	0.319	ug/l #	83
25) 2-Butanone	7.471	43	20607	9.882	ug/l	99
26) 2,2-Dichloropropane	7.430	77	1007	0.224	ug/l #	56
29) Tetrahydrofuran	7.812	42	669	0.447	ug/l #	36
30) Chloroform	7.918	83	19160	3.746	ug/l #	19
31) Cyclohexane	8.230	56	207628	44.017	ug/l #	93
36) 1,1-Dichloropropene	8.206	75	17876	3.930	ug/l #	54
37) Ethyl Acetate	7.471	43	20607	3.445	ug/l #	74
38) Carbon Tetrachloride	8.206	117	22581	4.987	ug/l #	15
39) Methylcyclohexane	9.577	83	202004	41.518	ug/l	94
40) Benzene	8.588	78	48442	3.629	ug/l	95
41) Methacrylonitrile	7.724	41	1624	0.548	ug/l #	44
43) Isopropyl Acetate	8.677	43	27750	3.037	ug/l #	58
45) 1,2-Dichloropropane	9.577	63	4671	1.366	ug/l #	1
47) Bromodichloromethane	9.853	83	10395	2.087	ug/l #	24
48) Methyl methacrylate	9.706	41	7675	1.841	ug/l #	13
51) 4-Methyl-2-Pentanone	10.465	43	15064	2.797	ug/l #	84
52) Toluene	10.606	92	13442	1.744	ug/l	99
55) 1,1,2-Trichloroethane	10.977	97	27924	9.363	ug/l #	27
56) Ethyl methacrylate	10.894	69	7658	1.625	ug/l #	13
58) 2-Chloroethyl Vinyl ether	10.130	63	2905	1.070	ug/l #	49
59) 2-Hexanone	11.147	43	16001	4.716	ug/l #	31
67) Ethyl Benzene	11.941	91	789435	48.892	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

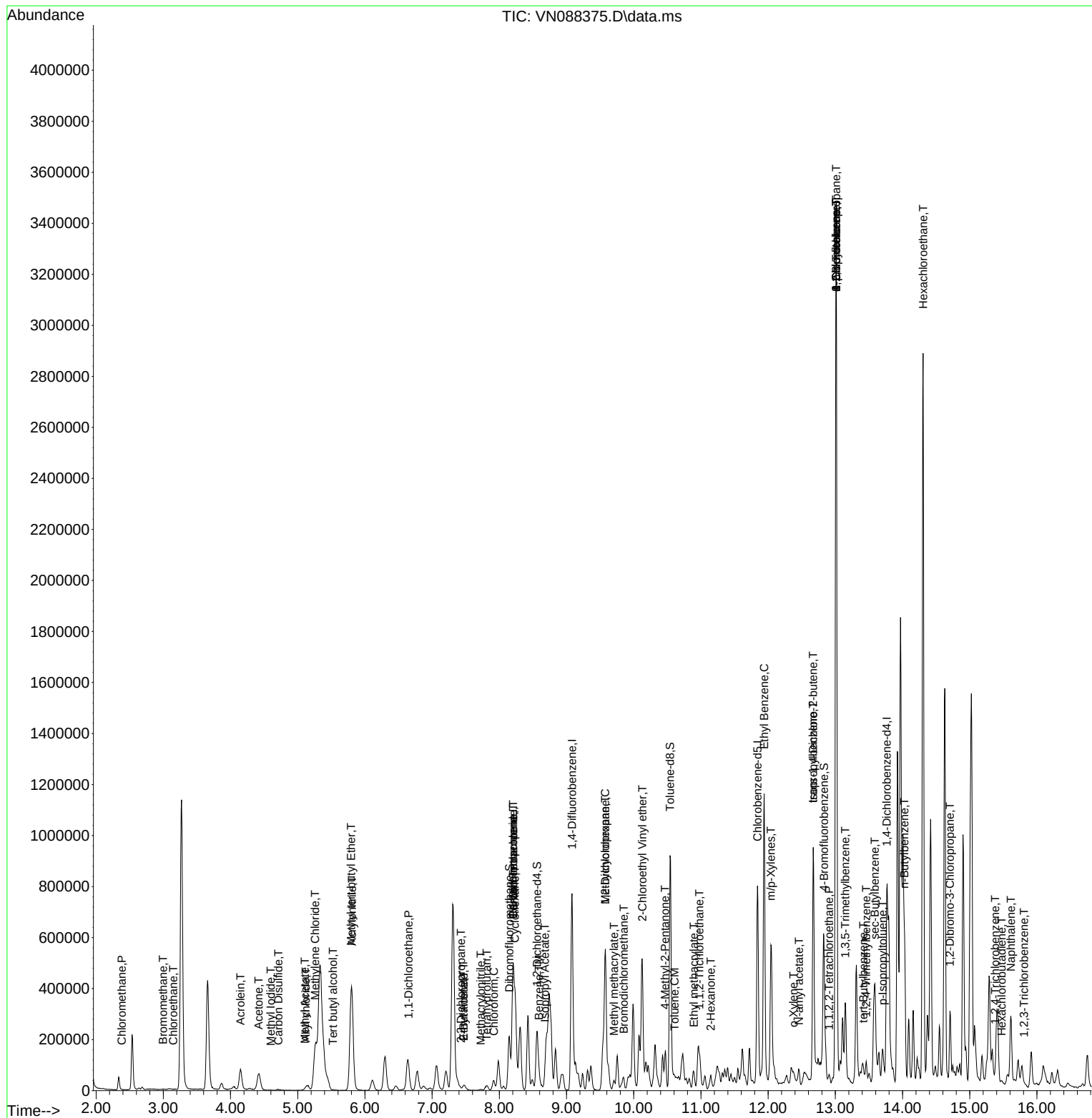
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) m/p-Xylenes	12.041	106	170697	28.513	ug/l	99
69) o-Xylene	12.376	106	10372	1.817	ug/l	85
73) Isopropylbenzene	12.671	105	601978	41.772	ug/l	100
74) N-amyl acetate	12.459	43	16059	3.272	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.906	83	1599	0.343	ug/l #	20
76) 1,2,3-Trichloropropane	13.012	75	18984	4.159	ug/l #	1
78) n-propylbenzene	13.012	91	2725020	154.567	ug/l	99
79) 2-Chlorotoluene	13.012	91	2725020	253.111	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.147	105	154136	12.908	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.671	75	8941	5.556	ug/l #	90
82) 4-Chlorotoluene	13.012	91	2725020	254.836	ug/l #	44
83) tert-Butylbenzene	13.418	119	21234	2.092	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	47419	3.995	ug/l	96
85) sec-Butylbenzene	13.588	105	213874	14.666	ug/l #	64
86) p-Isopropyltoluene	13.706	119	54659	4.571	ug/l	95
89) n-Butylbenzene	14.029	91	339936	29.277	ug/l #	78
90) Hexachloroethane	14.306	117	151650	69.419	ug/l #	20
92) 1,2-Dibromo-3-Chloropr...	14.706	75	1739	1.538	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.376	180	1718	0.479	ug/l #	78
94) Hexachlorobutadiene	15.476	225	1095	0.849	ug/l	85
95) Naphthalene	15.612	128	249692	20.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.806	180	1748	0.500	ug/l #	77

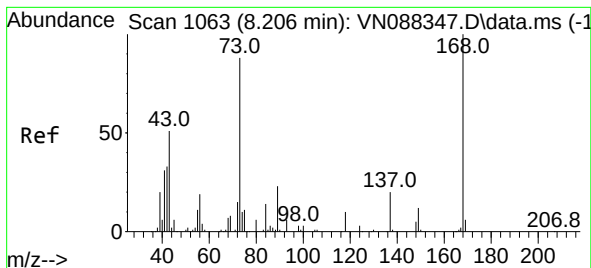
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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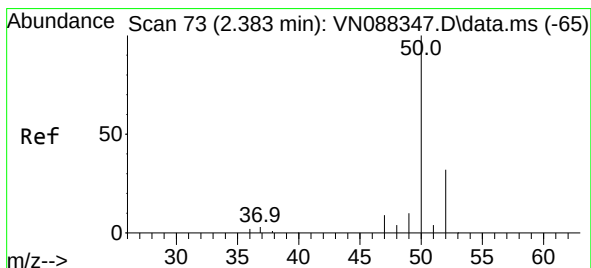
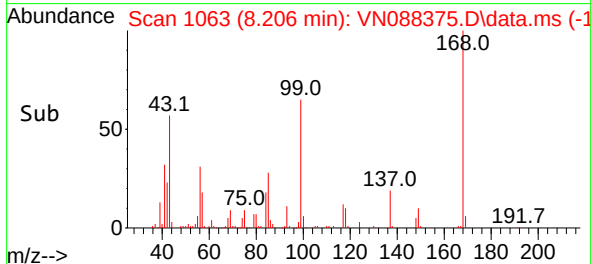
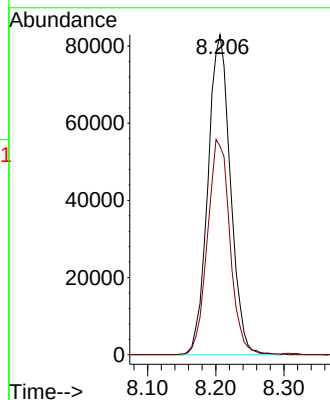
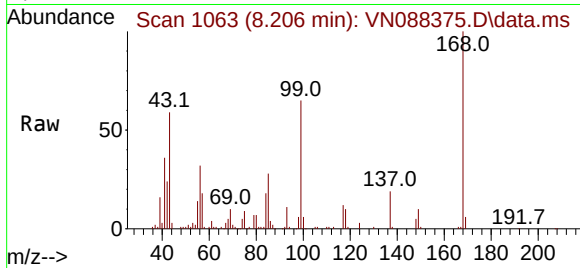




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088375.D
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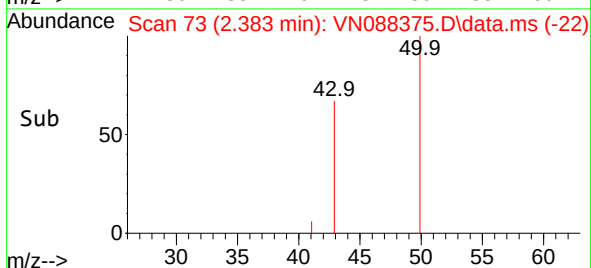
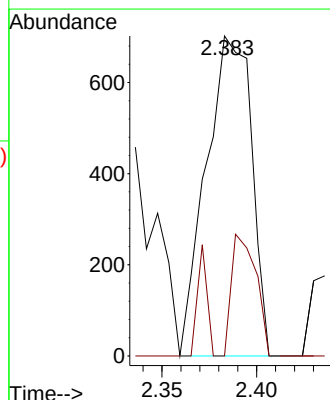
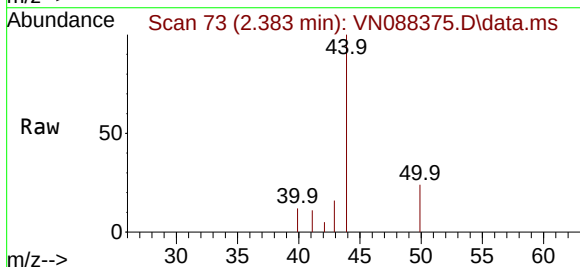
Instrument :
MSVOA_N
ClientSampleId :

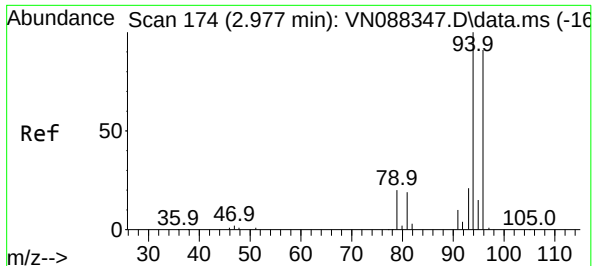
Tgt Ion:168 Resp: 190391
Ion Ratio Lower Upper
168 100
99 64.9 57.1 85.7



#3
Chloromethane
Concen: 0.381 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 50 Resp: 1169
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#

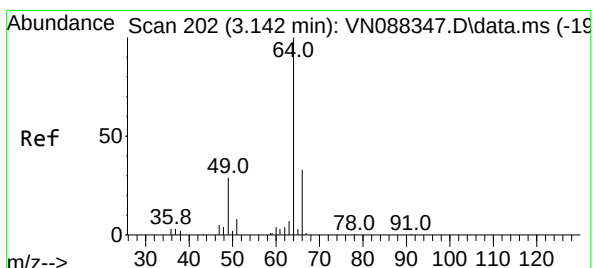
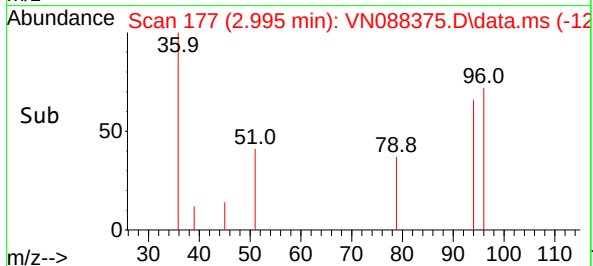
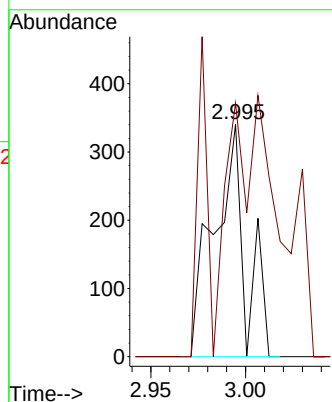
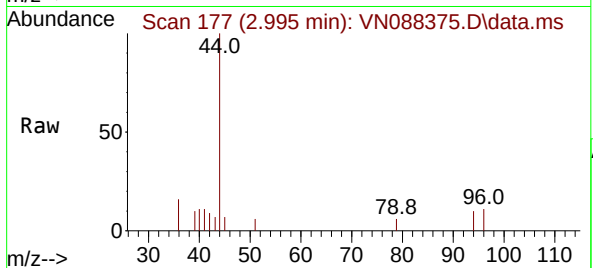




#5
Bromomethane
Concen: 0.261 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

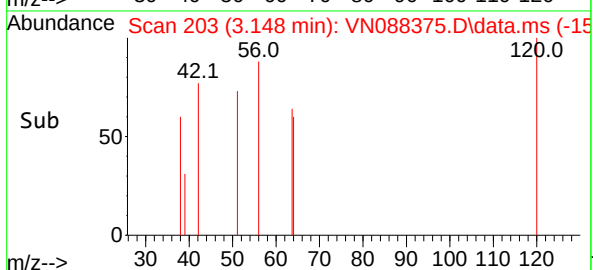
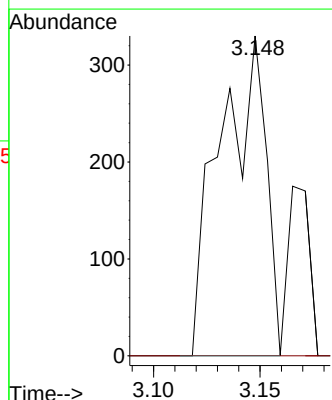
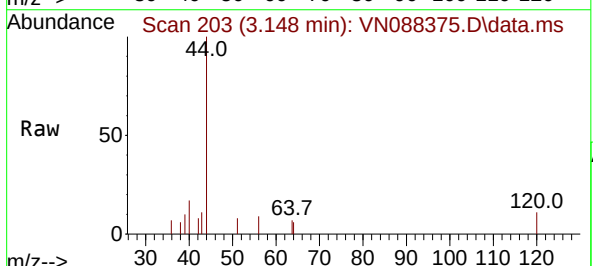
Instrument :
MSVOA_N
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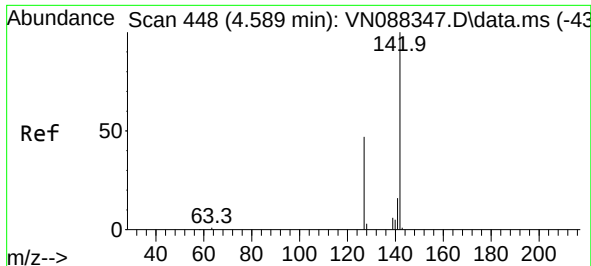
Tgt Ion: 94 Resp: 393
Ion Ratio Lower Upper
94 100
96 109.1 73.2 109.8



#6
Chloroethane
Concen: 0.254 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

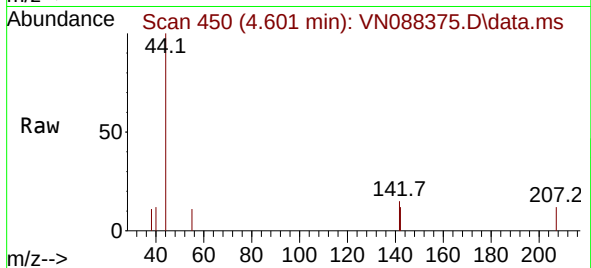
Tgt Ion: 64 Resp: 492
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



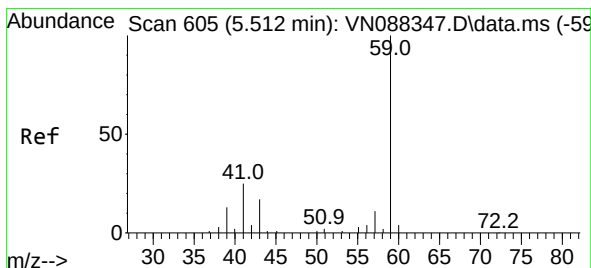
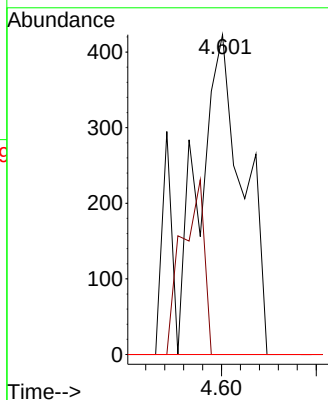
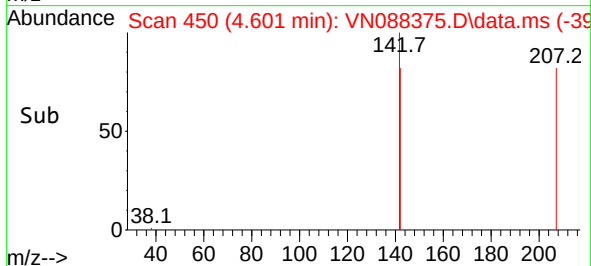


#10
Methyl Iodide
Concen: 0.295 ug/l
RT: 4.601 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

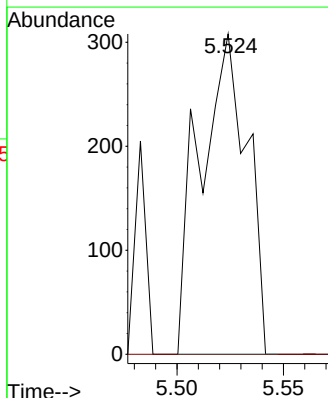
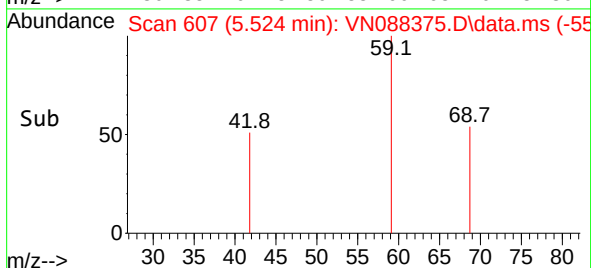
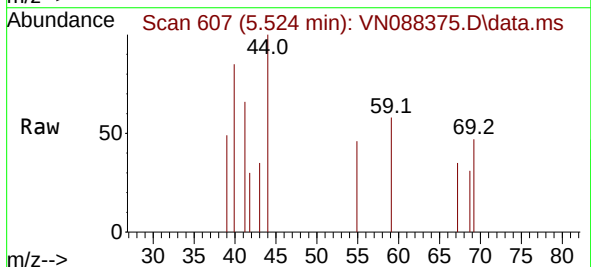


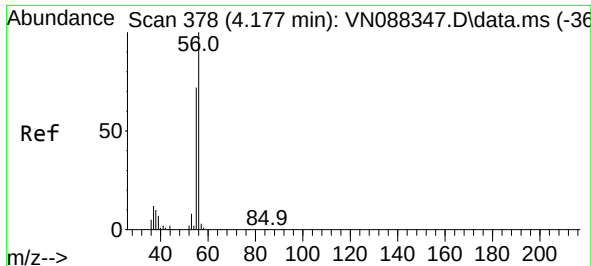
Tgt Ion:142 Resp: 682
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 12.4 18.6#



#11
Tert butyl alcohol
Concen: 0.828 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 7.165 ug/l

RT: 4.148 min Scan# 31

Delta R.T. -0.029 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

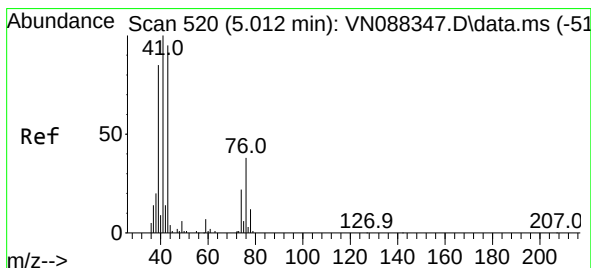
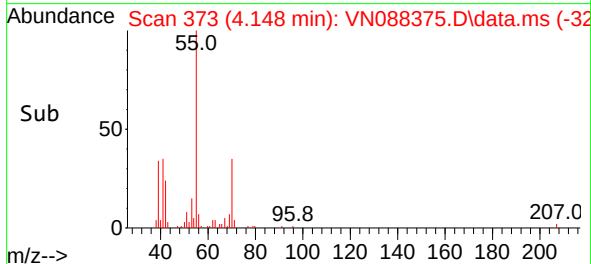
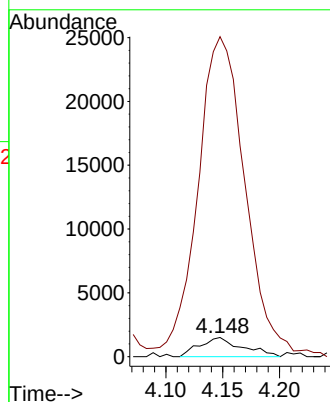
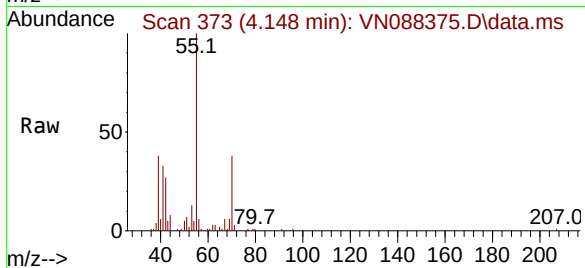
ClientSampleId :

Tgt Ion: 56 Resp: 3928

Ion Ratio Lower Upper

56 100

55 1857.7 56.3 84.5#



#14

Allyl chloride

Concen: 2.325 ug/l

RT: 5.118 min Scan# 538

Delta R.T. 0.106 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

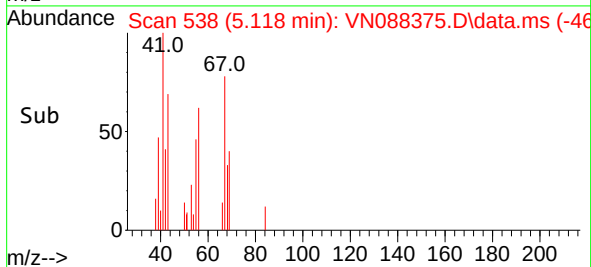
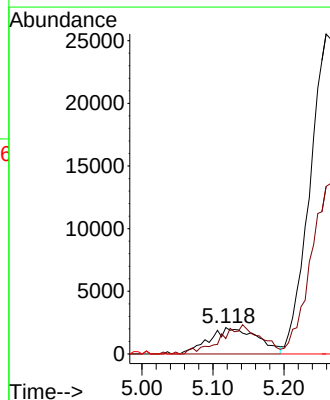
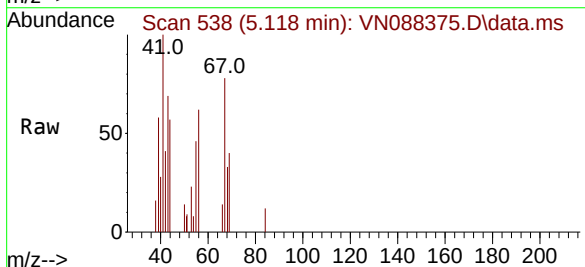
Tgt Ion: 41 Resp: 10010

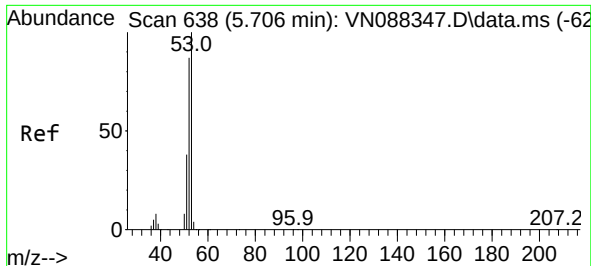
Ion Ratio Lower Upper

41 100

39 0.0 64.7 97.1#

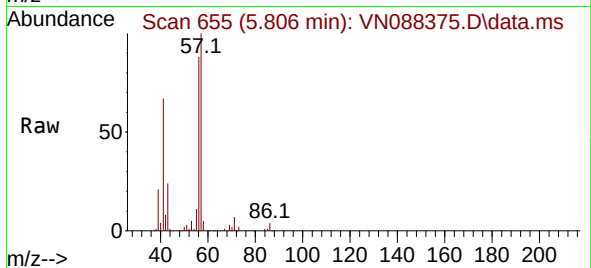
76 0.0 29.1 43.7#



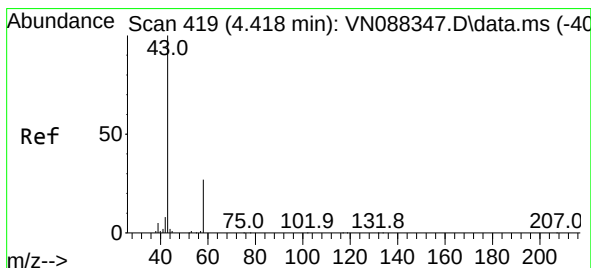
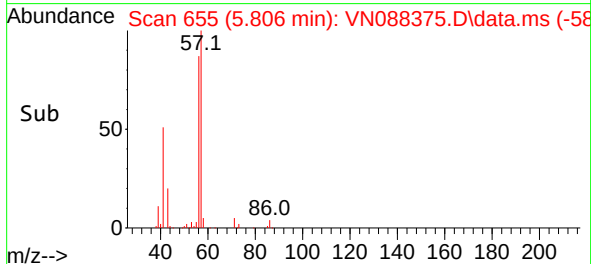
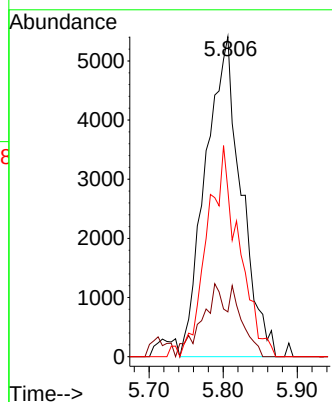


#15
Acrylonitrile
Concen: 10.928 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.100 min
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ClientSampleId :

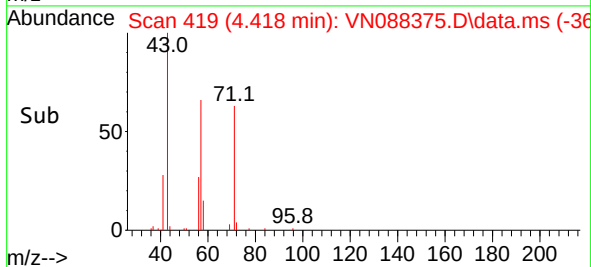
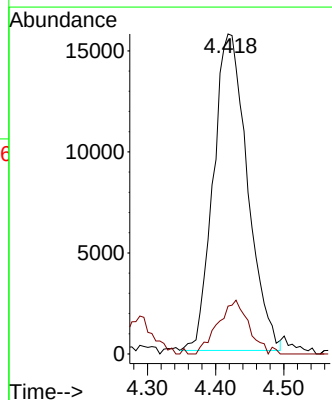
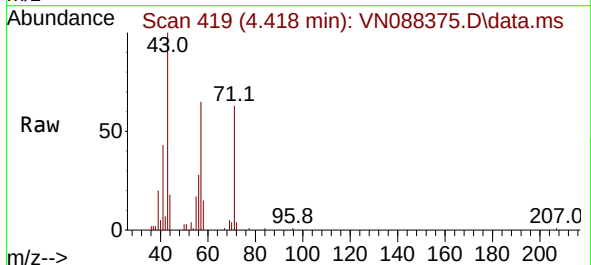


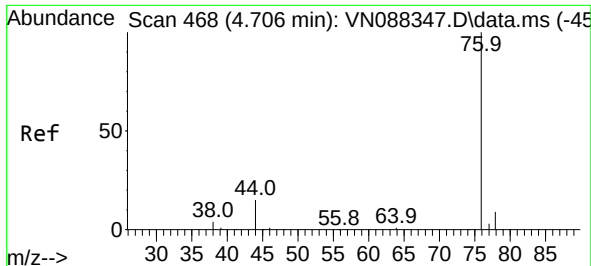
Tgt Ion: 53 Resp: 18055
Ion Ratio Lower Upper
53 100
52 14.9 67.8 101.6#
51 59.5 29.8 44.8#



#16
Acetone
Concen: 42.123 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

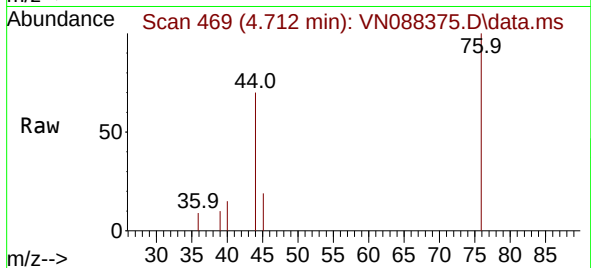
Tgt Ion: 43 Resp: 54638
Ion Ratio Lower Upper
43 100
58 15.1 21.7 32.5#



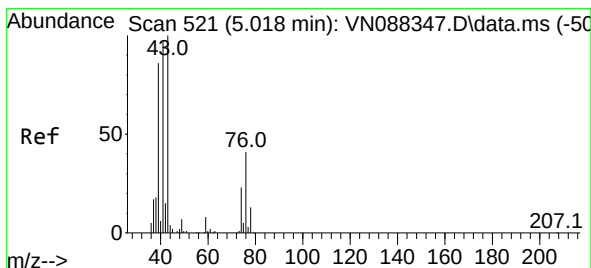
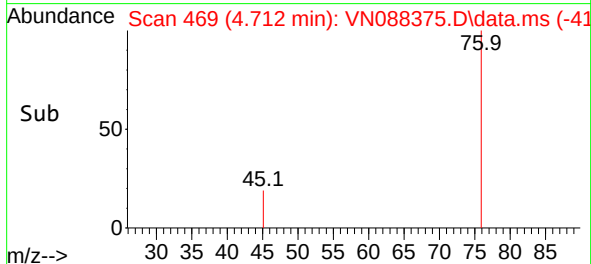
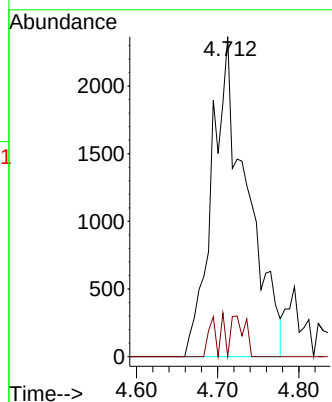


#17
Carbon Disulfide
Concen: 0.932 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
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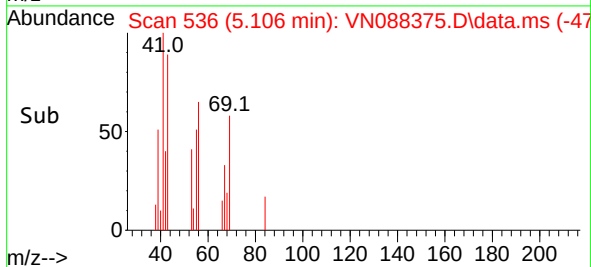
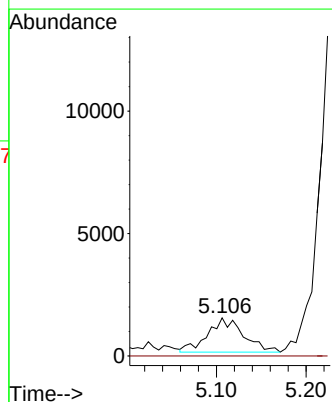
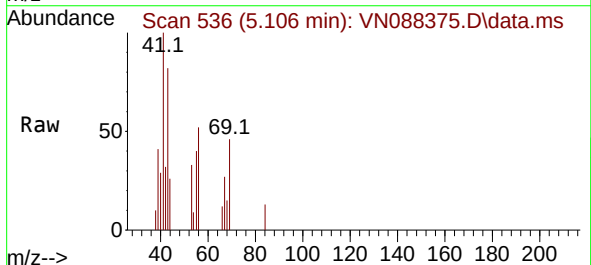


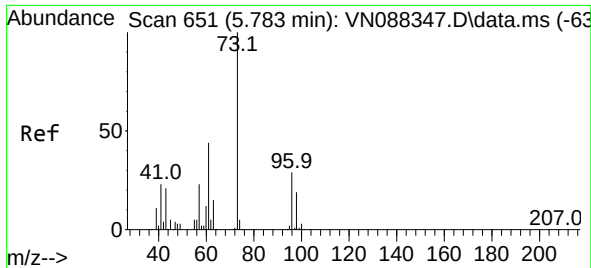
Tgt Ion: 76 Resp: 7072
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 1.004 ug/l
RT: 5.106 min Scan# 536
Delta R.T. 0.088 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#

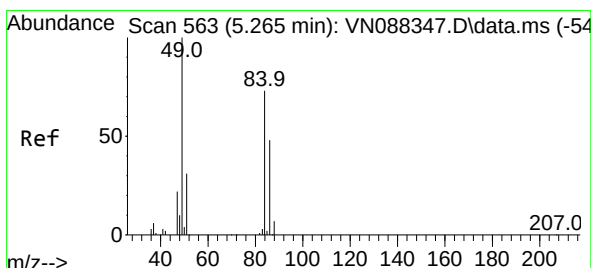
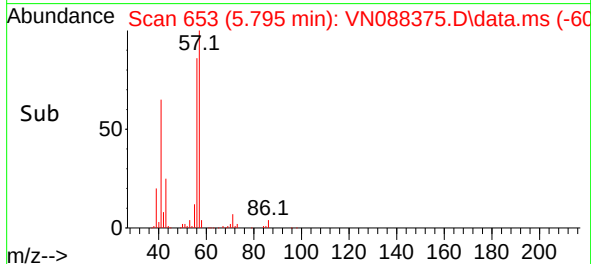
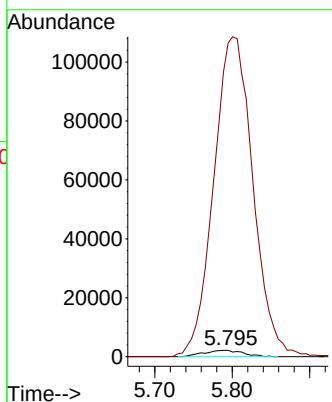
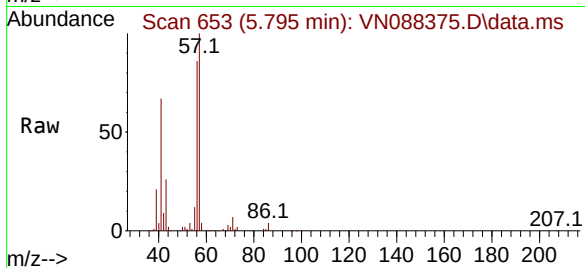




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

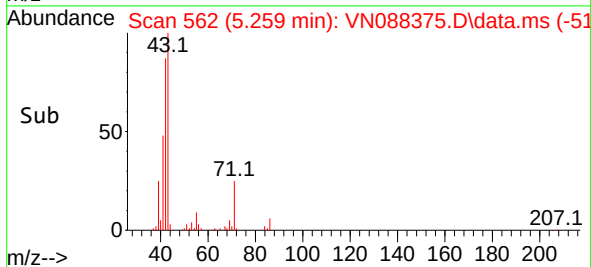
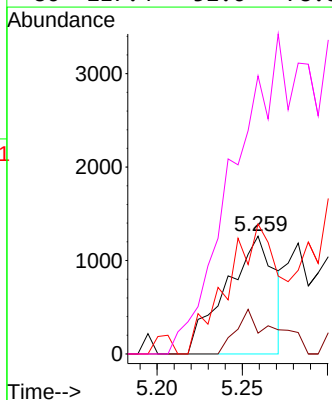
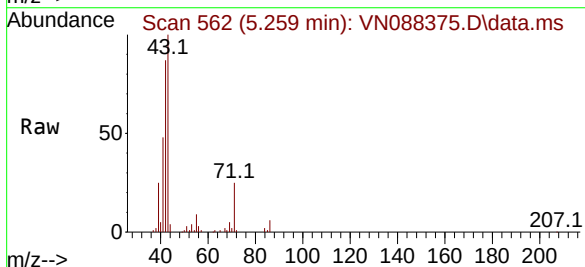
Instrument :
MSVOA_N
ClientSampleId :

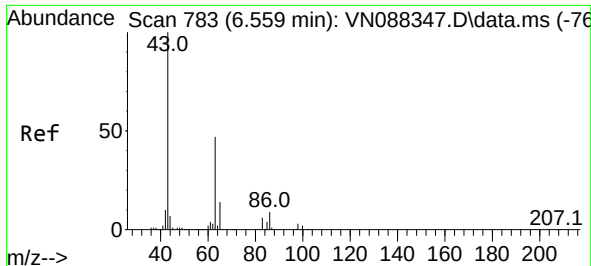
Tgt Ion: 73 Resp: 7560
Ion Ratio Lower Upper
73 100
57 4906.5 18.6 28.0#



#20
Methylene Chloride
Concen: 0.901 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

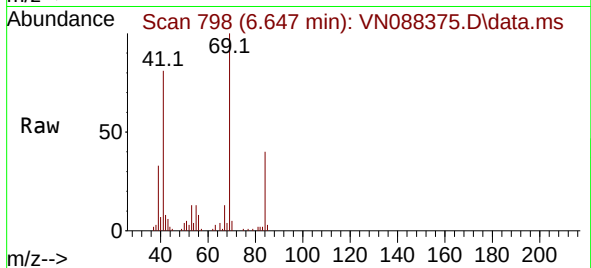
Tgt Ion: 84 Resp: 2501
Ion Ratio Lower Upper
84 100
49 17.6 110.2 165.2#
51 110.4 34.1 51.1#
86 217.4 52.6 78.8#



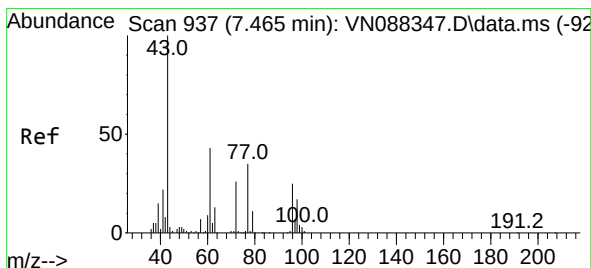
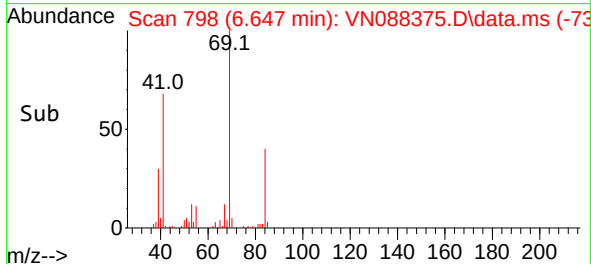
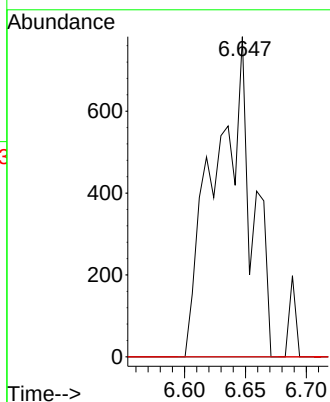


#24
1,1-Dichloroethane
Concen: 0.319 ug/l
RT: 6.647 min Scan# 798
Delta R.T. 0.088 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

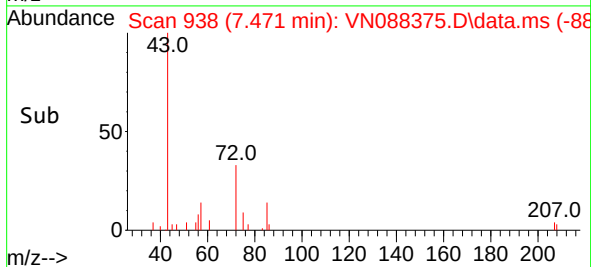
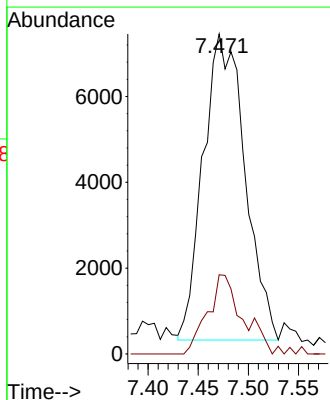
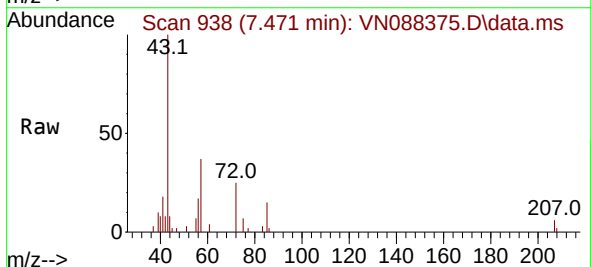


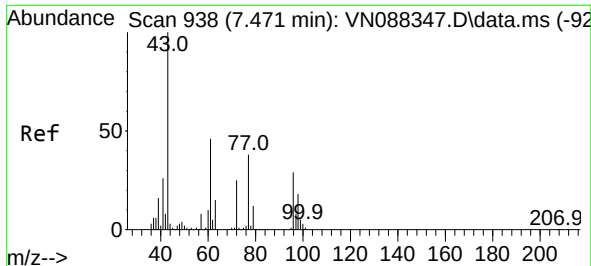
Tgt Ion: 63 Resp: 1663
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 1.9 5.7#



#25
2-Butanone
Concen: 9.882 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

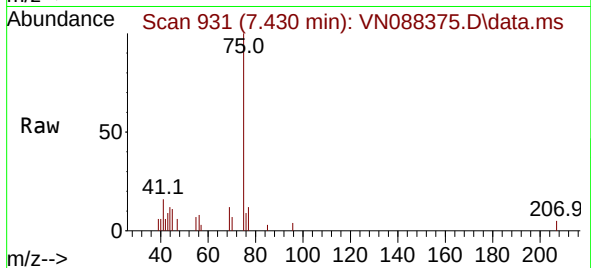
Tgt Ion: 43 Resp: 20607
Ion Ratio Lower Upper
43 100
72 25.9 20.5 30.7



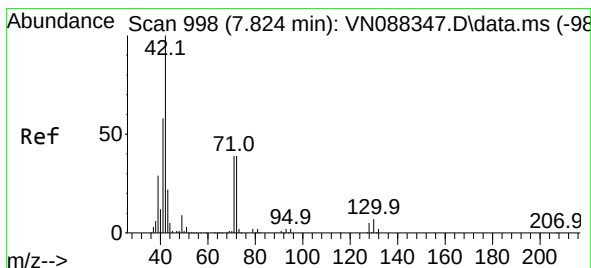
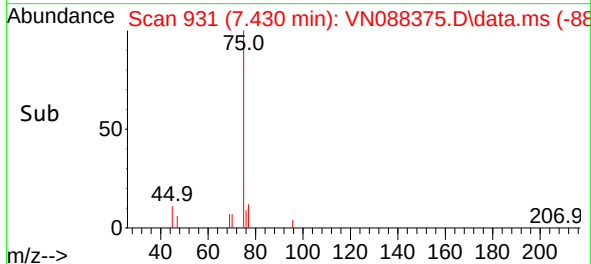
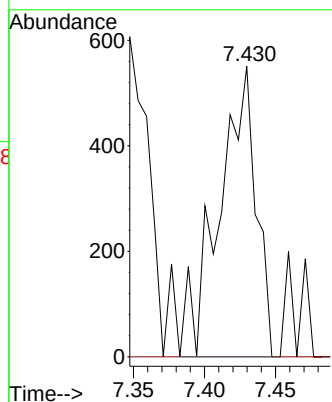


#26
2,2-Dichloropropane
Concen: 0.224 ug/l
RT: 7.430 min Scan# 91
Delta R.T. -0.041 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

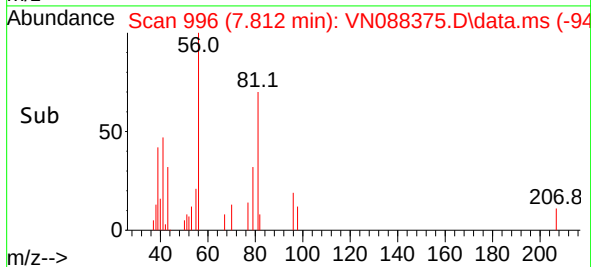
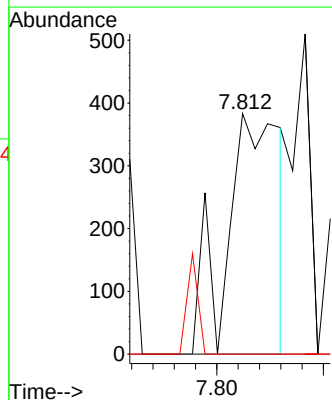
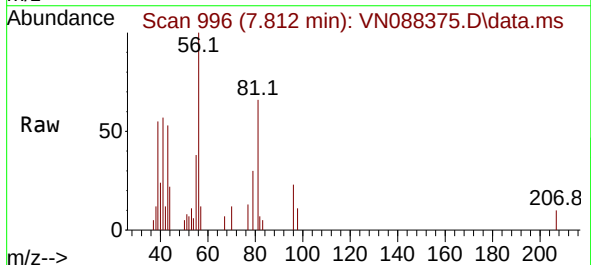


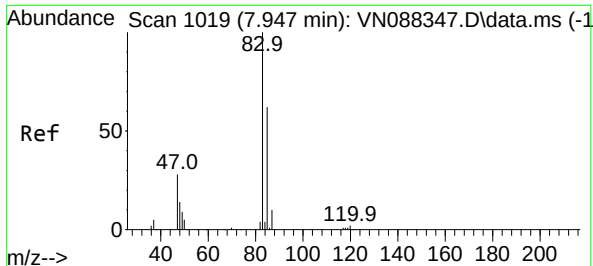
Tgt Ion: 77 Resp: 1007
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 42 Resp: 669
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 31.1 46.7#

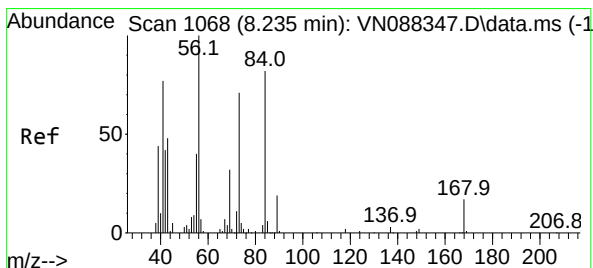
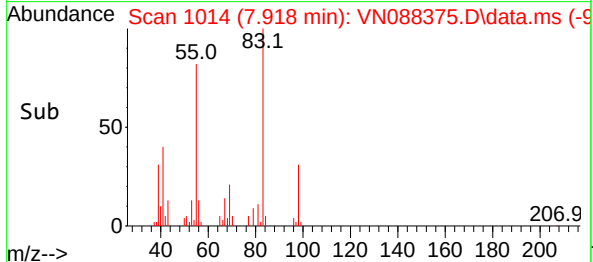
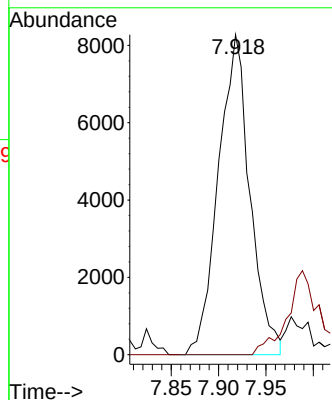
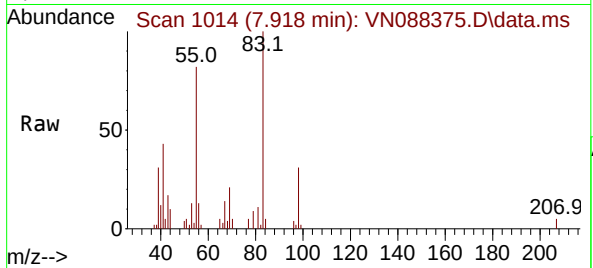




#30
Chloroform
Concen: 3.746 ug/l
RT: 7.918 min Scan# 1014
Delta R.T. -0.029 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

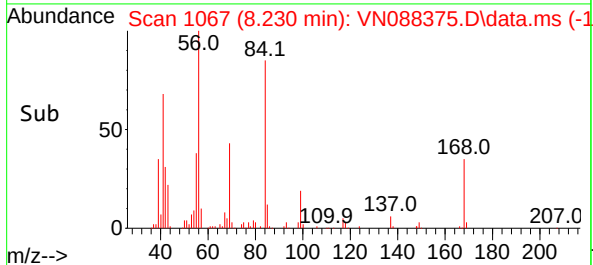
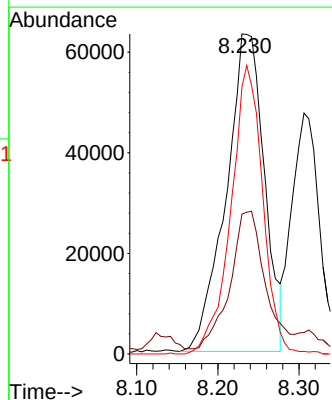
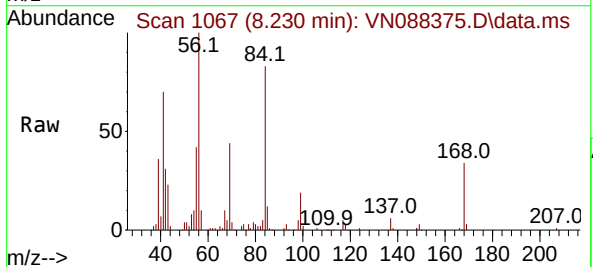
Instrument :
MSVOA_N
ClientSampleId :

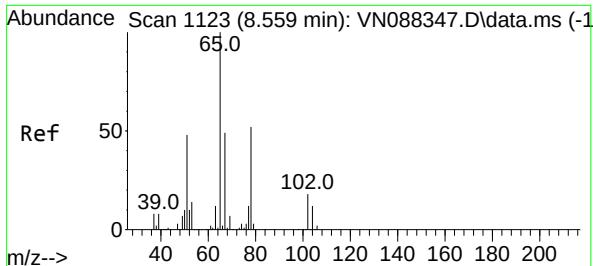
Tgt Ion: 83 Resp: 19160
Ion Ratio Lower Upper
83 100
85 0.0 49.8 74.8#



#31
Cyclohexane
Concen: 44.017 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 56 Resp: 207628
Ion Ratio Lower Upper
56 100
69 41.1 25.3 37.9#
84 84.1 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 52.138 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

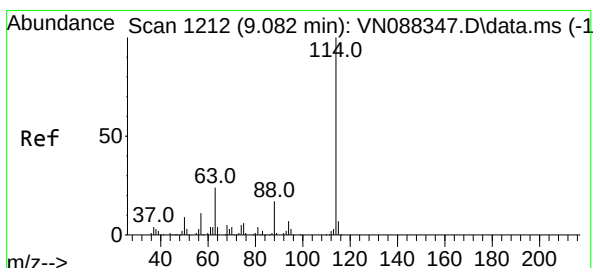
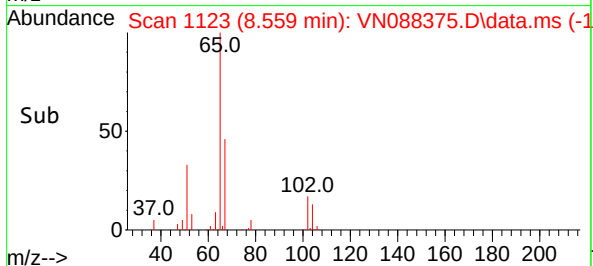
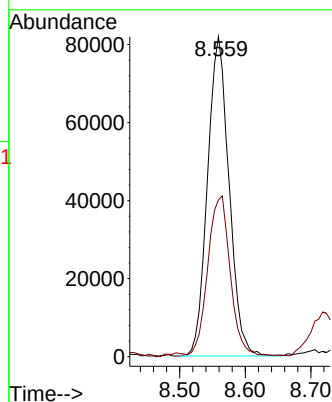
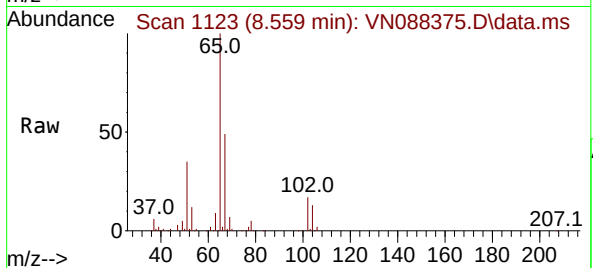
ClientSampleId :

Tgt Ion: 65 Resp: 186996

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

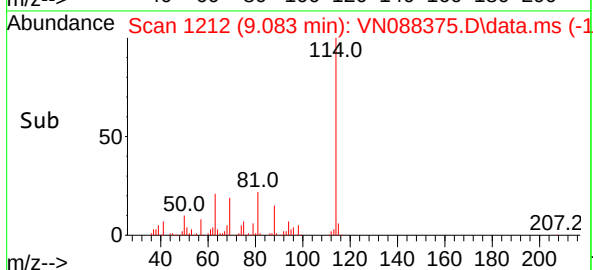
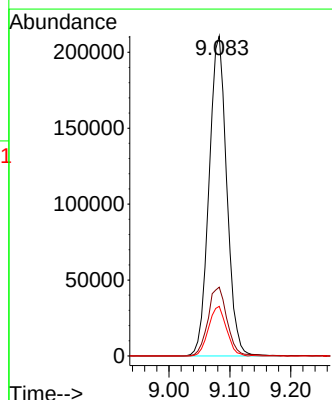
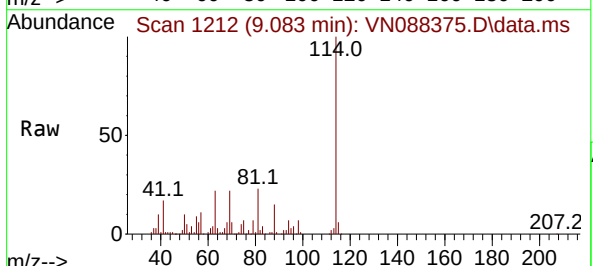
Tgt Ion: 114 Resp: 425302

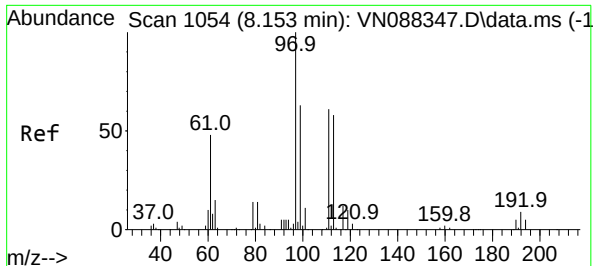
Ion Ratio Lower Upper

114 100

63 21.5 0.0 49.0

88 15.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

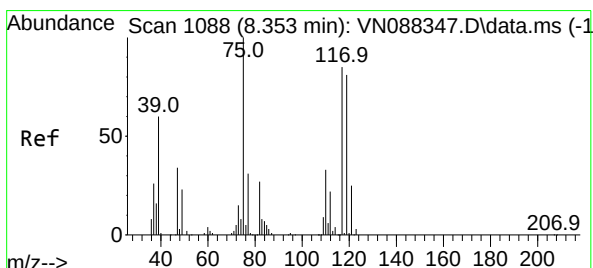
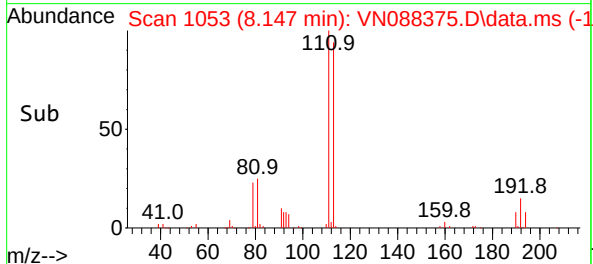
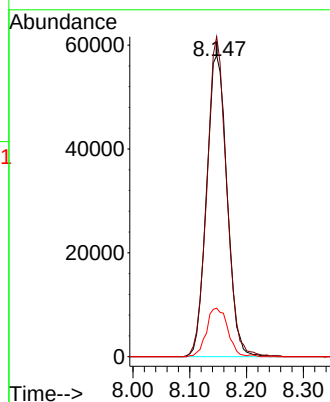
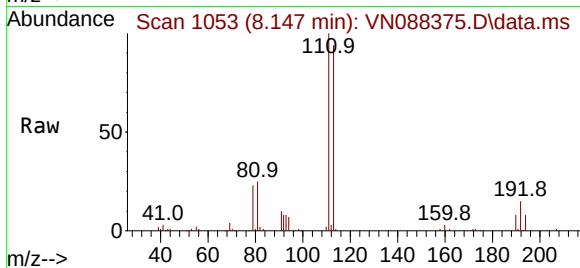
Tgt Ion:113 Resp: 145277

Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 16.6 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.930 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

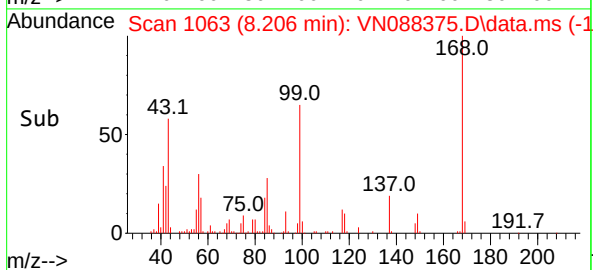
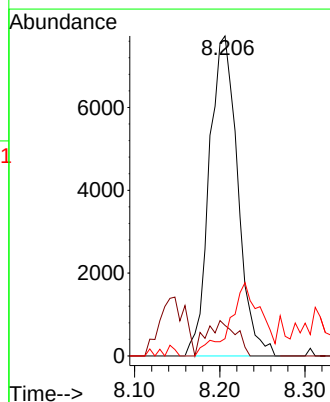
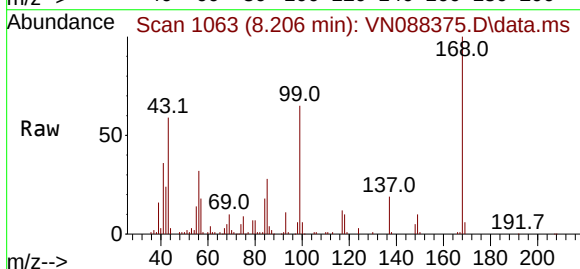
Tgt Ion: 75 Resp: 17876

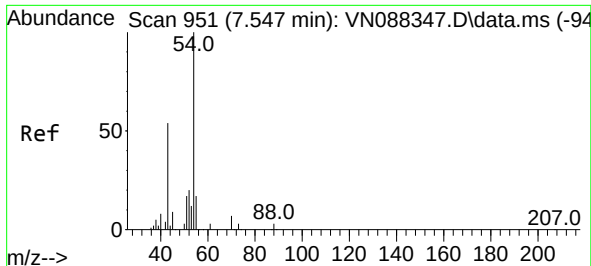
Ion Ratio Lower Upper

75 100

110 11.5 15.8 47.4#

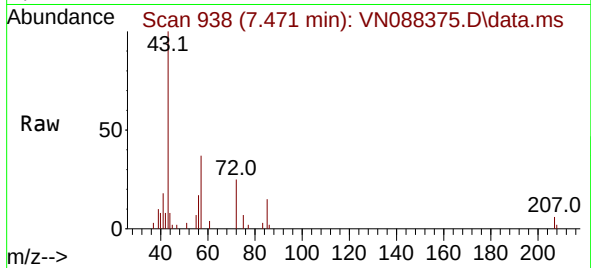
77 0.0 24.2 36.2#



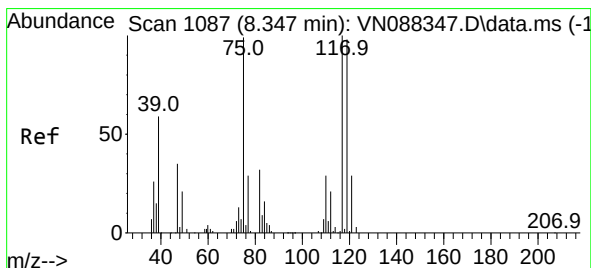
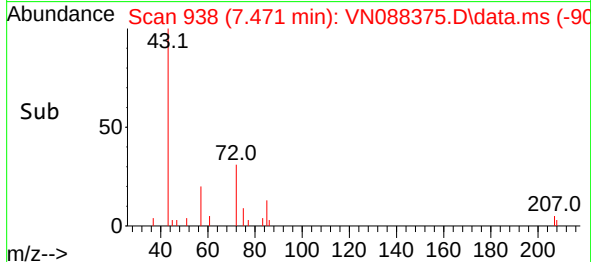
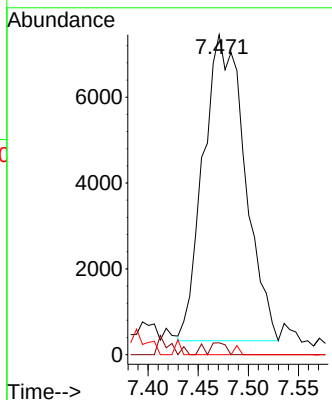


#37
Ethyl Acetate
Concen: 3.445 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.076 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

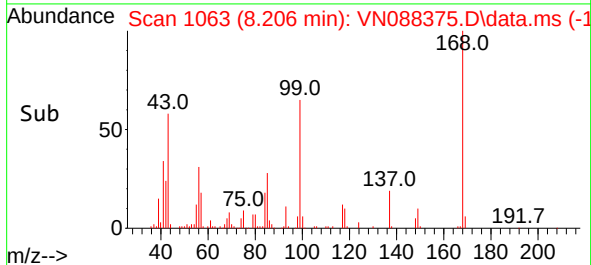
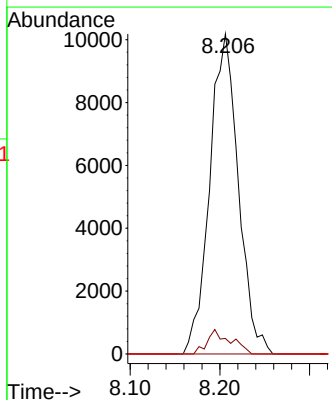
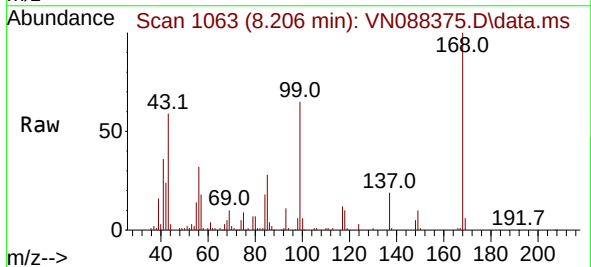


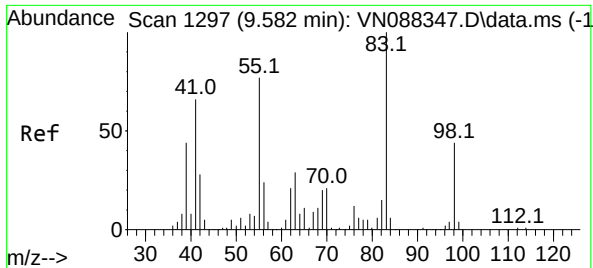
Tgt Ion: 43 Resp: 20607
Ion Ratio Lower Upper
43 100
61 1.8 9.5 14.3#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.987 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 117 Resp: 22581
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.4#
121 0.0 23.4 35.2#





#39

Methylcyclohexane

Concen: 41.518 ug/l

RT: 9.577 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

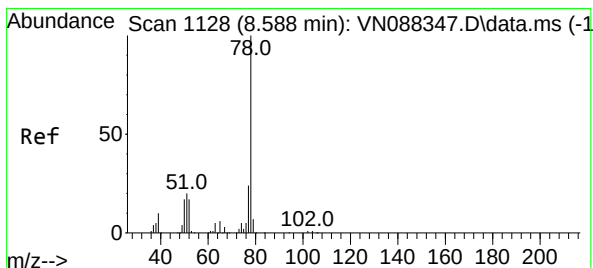
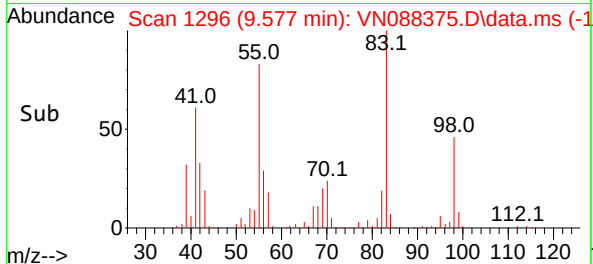
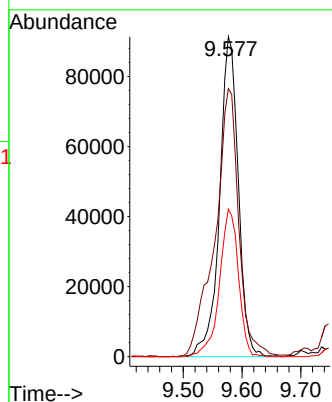
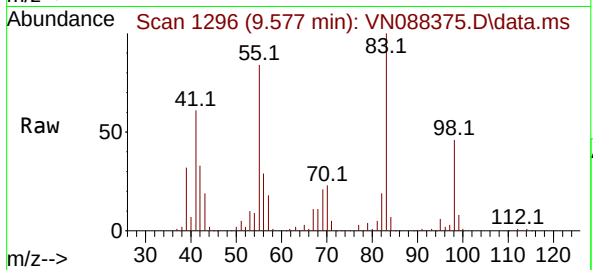
Tgt Ion: 83 Resp: 202004

Ion Ratio Lower Upper

83 100

55 83.4 61.6 92.4

98 46.1 35.3 52.9



#40

Benzene

Concen: 3.629 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN088375.D

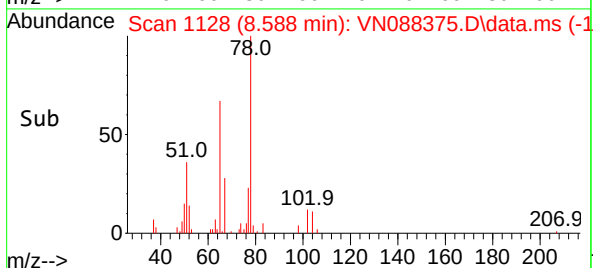
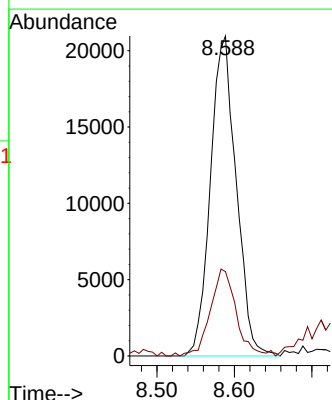
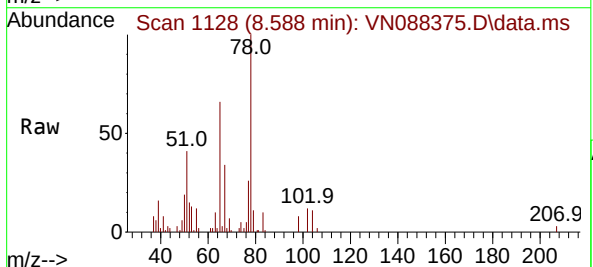
Acq: 01 Dec 2025 12:30

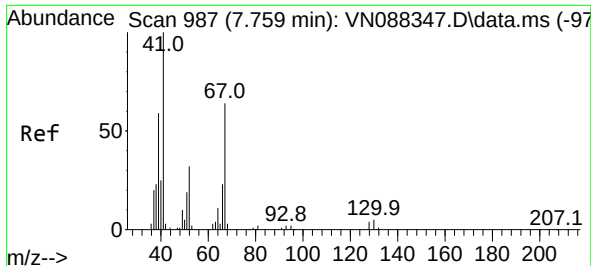
Tgt Ion: 78 Resp: 48442

Ion Ratio Lower Upper

78 100

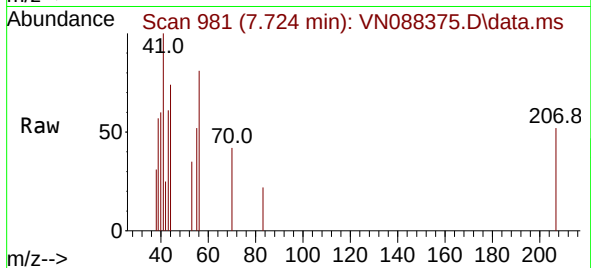
77 26.3 19.0 28.4



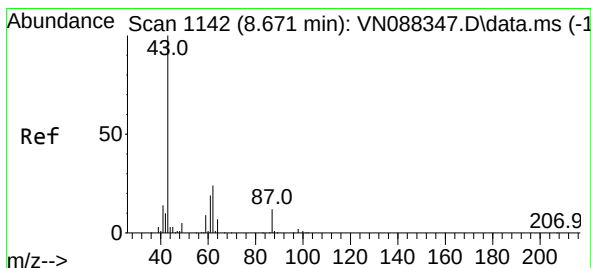
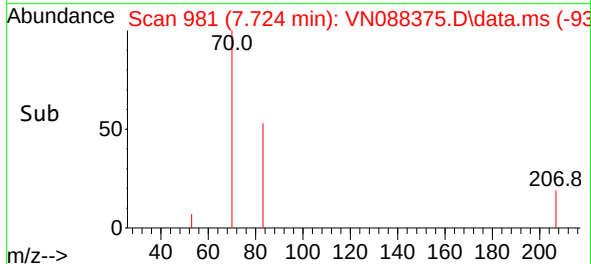
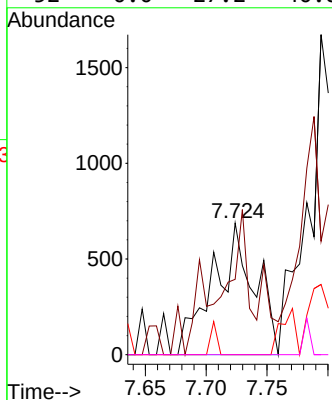


#41
Methacrylonitrile
Concen: 0.548 ug/l
RT: 7.724 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

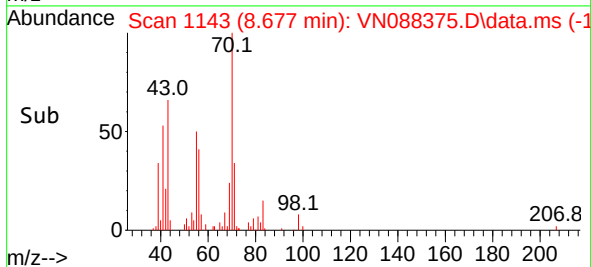
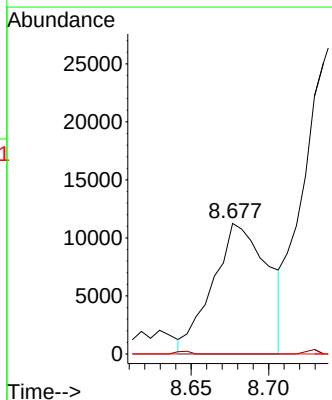
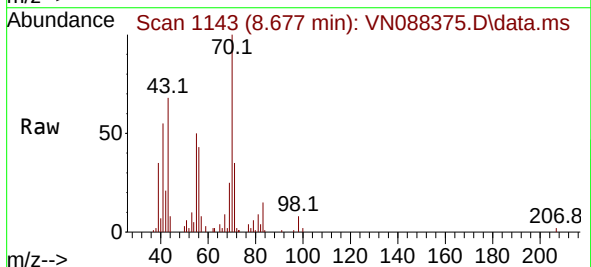


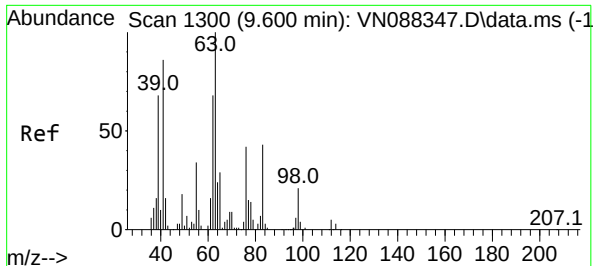
Tgt Ion:	41	Resp:	1624
Ion	Ratio	Lower	Upper
41	100		
39	42.1	46.3	69.5#
67	0.0	54.7	82.1#
52	0.0	27.2	40.8#



#43
Isopropyl Acetate
Concen: 3.037 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:	43	Resp:	27750
Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.7	28.1#
87	0.0	9.1	13.7#





#45

1,2-Dichloropropane

Concen: 1.366 ug/l

RT: 9.577 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

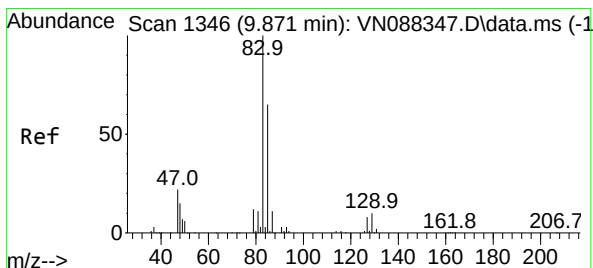
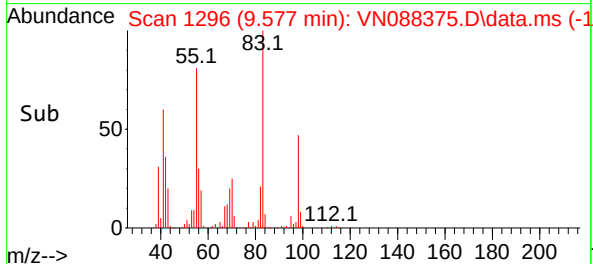
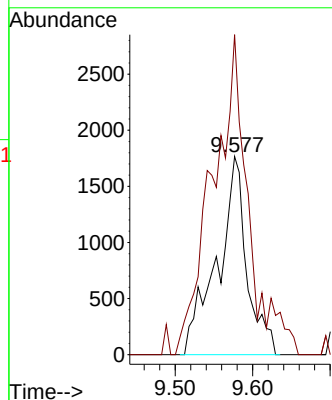
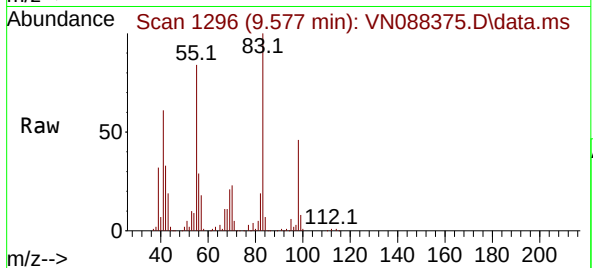
ClientSampleId :

Tgt Ion: 63 Resp: 4671

Ion Ratio Lower Upper

63 100

65 152.9 23.0 34.4#



#47

Bromodichloromethane

Concen: 2.087 ug/l

RT: 9.853 min Scan# 1343

Delta R.T. -0.017 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

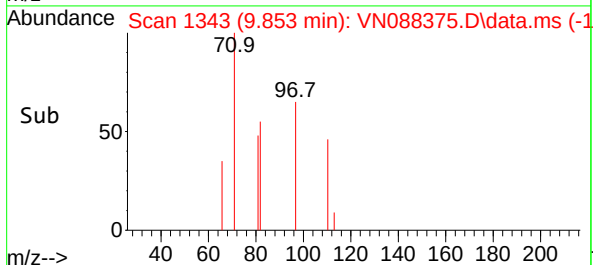
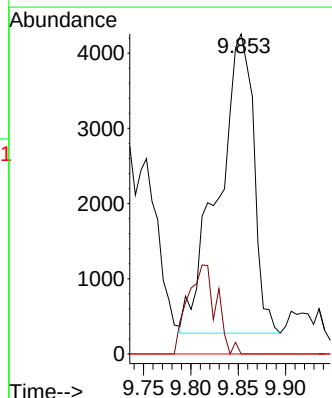
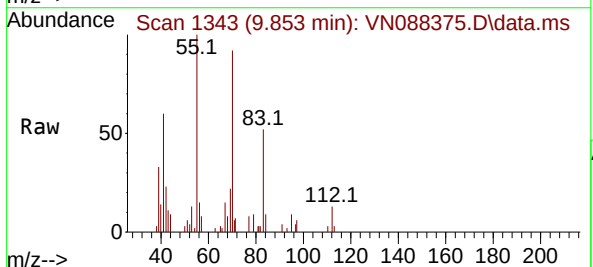
Tgt Ion: 83 Resp: 10395

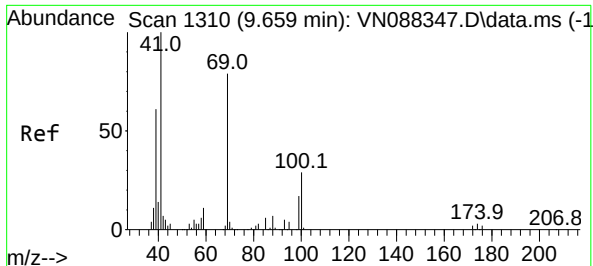
Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

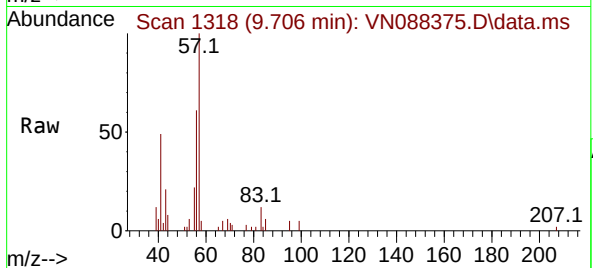
127 0.0 6.3 9.5#



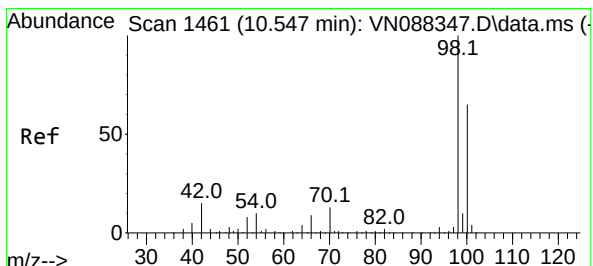
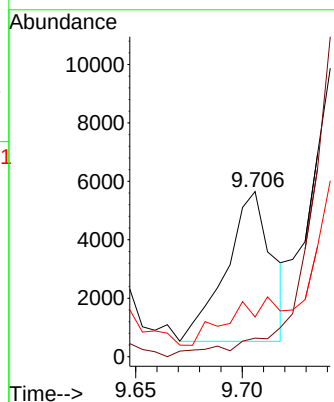
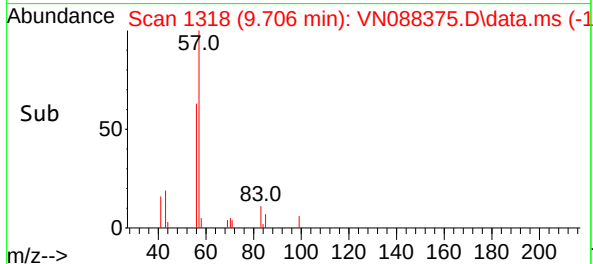


#48
Methyl methacrylate
Concen: 1.841 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

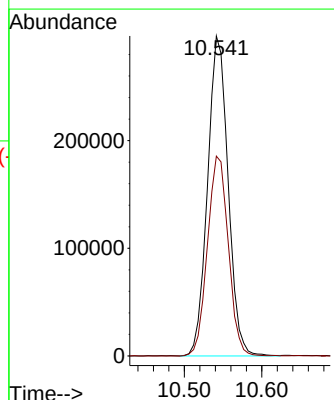
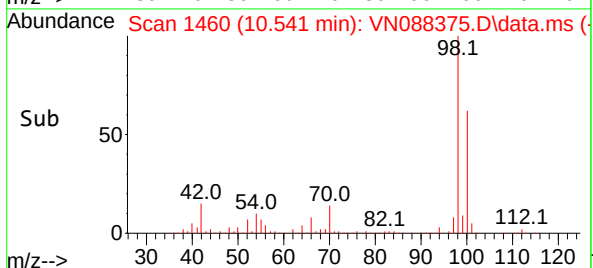
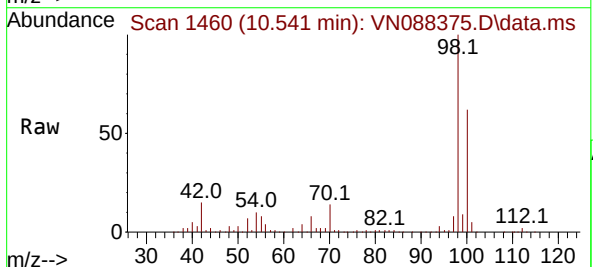


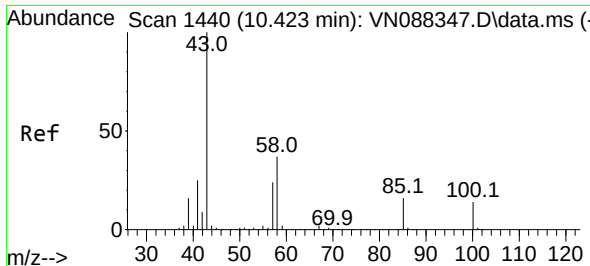
Tgt Ion: 41 Resp: 7675
Ion Ratio Lower Upper
41 100
69 0.0 62.4 93.6#
39 0.0 52.6 79.0#



#50
Toluene-d8
Concen: 49.901 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 98 Resp: 547230
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2

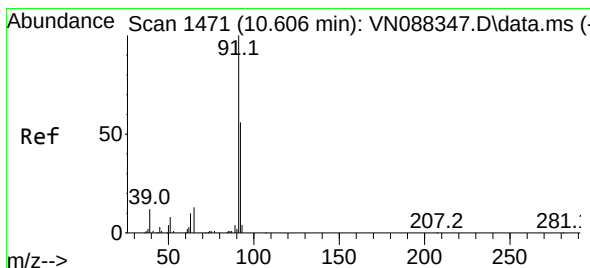
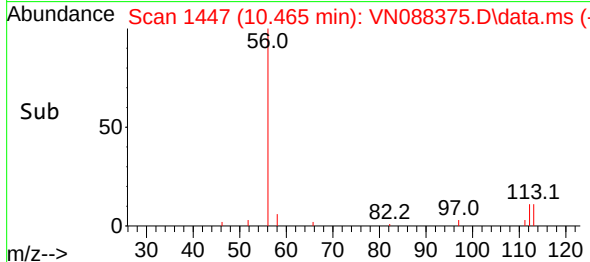
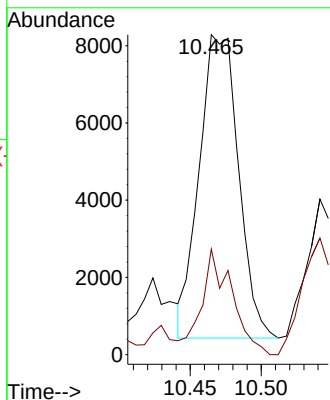
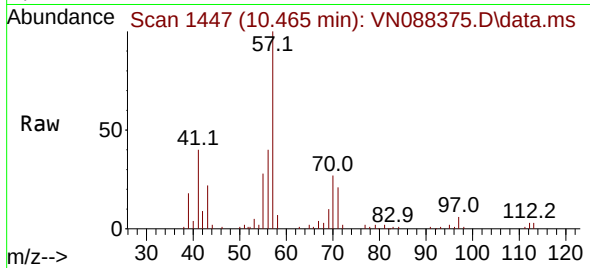




#51
4-Methyl-2-Pentanone
Concen: 2.797 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. 0.041 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

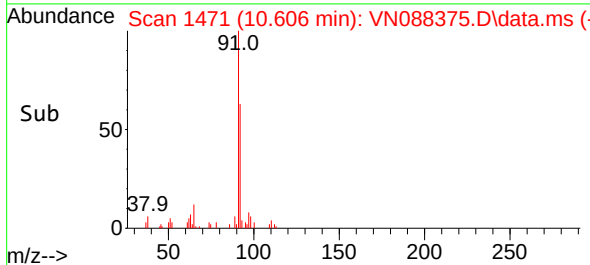
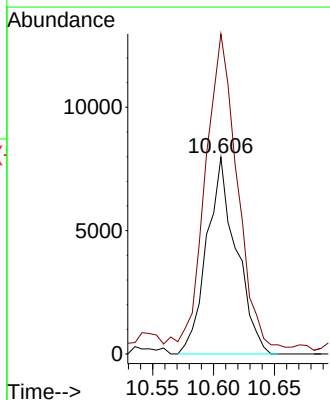
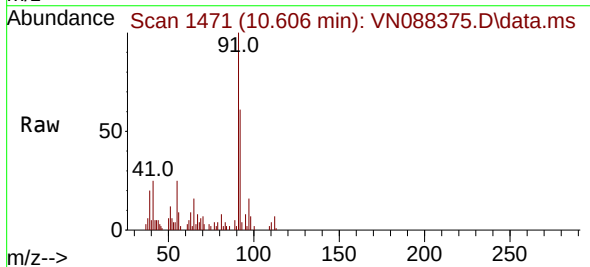
Instrument :
MSVOA_N
ClientSampleId :

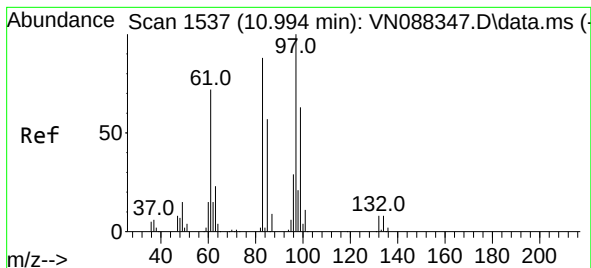
Tgt Ion: 43 Resp: 15064
Ion Ratio Lower Upper
43 100
58 27.1 29.1 43.7#



#52
Toluene
Concen: 1.744 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

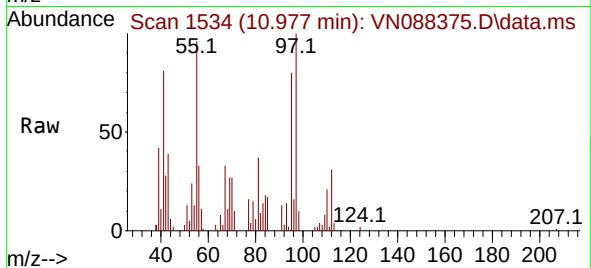
Tgt Ion: 92 Resp: 13442
Ion Ratio Lower Upper
92 100
91 174.3 140.2 210.2



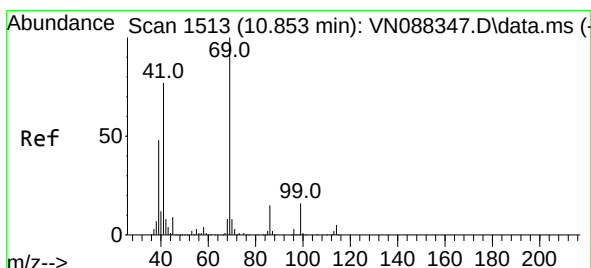
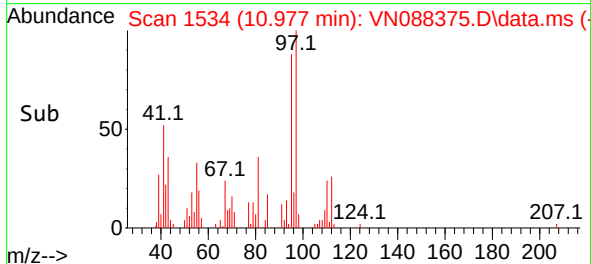
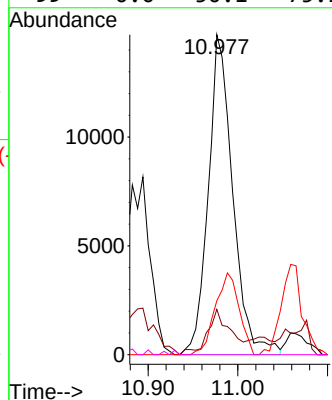


#55
1,1,2-Trichloroethane
Concen: 9.363 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. -0.017 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

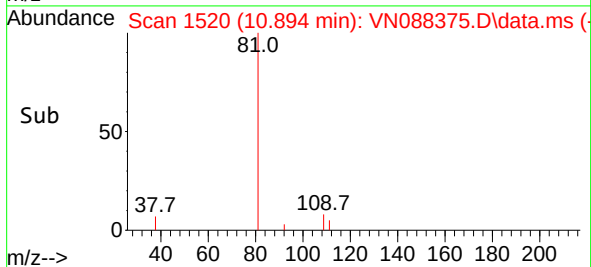
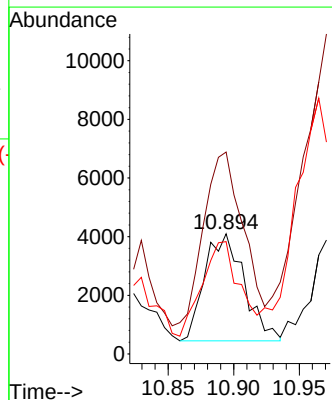
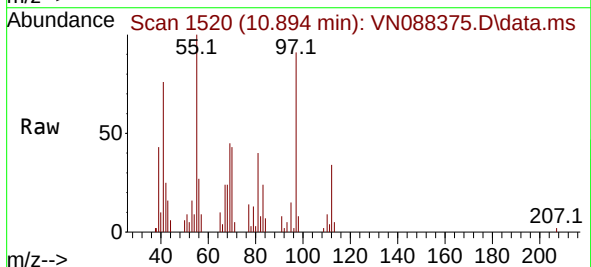


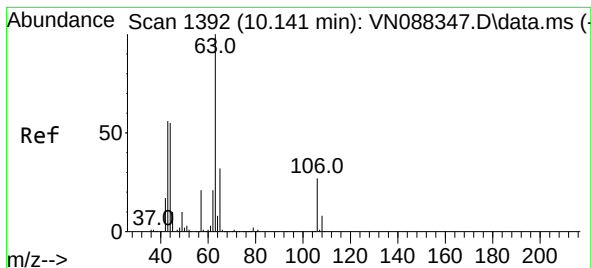
Tgt Ion:	97	Resp:	27924
Ion	Ratio	Lower	Upper
97	100		
83	14.1	70.4	105.6#
85	16.8	45.4	68.2#
99	0.0	50.1	75.1#



#56
Ethyl methacrylate
Concen: 1.625 ug/l
RT: 10.894 min Scan# 1520
Delta R.T. 0.041 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:	69	Resp:	7658
Ion	Ratio	Lower	Upper
69	100		
41	161.1	59.6	89.4#
39	86.6	36.4	54.6#

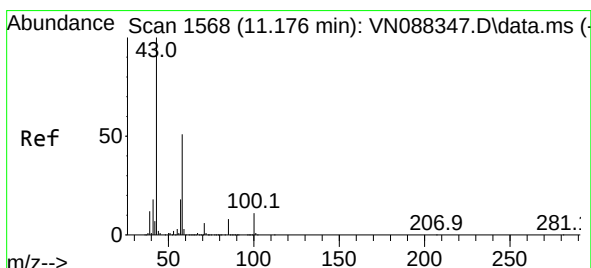
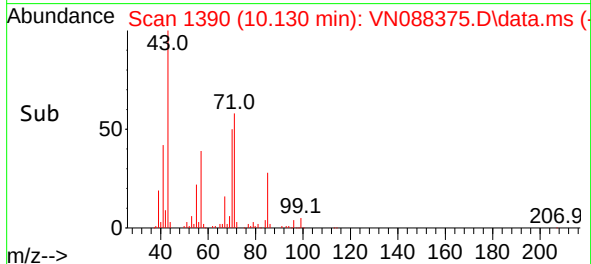
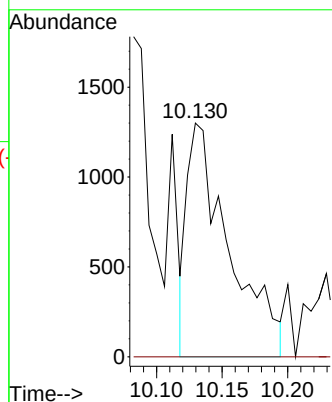
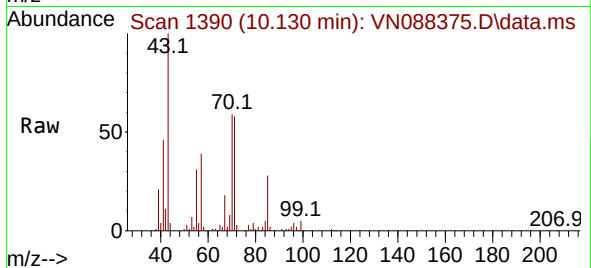




#58
2-Chloroethyl Vinyl ether
Concen: 1.070 ug/l
RT: 10.130 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

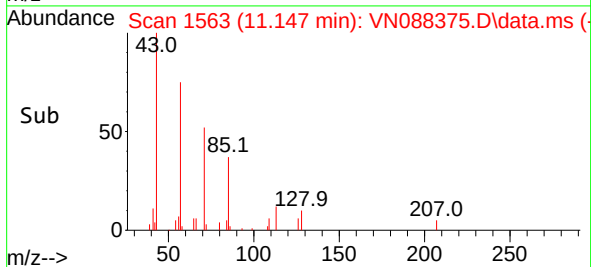
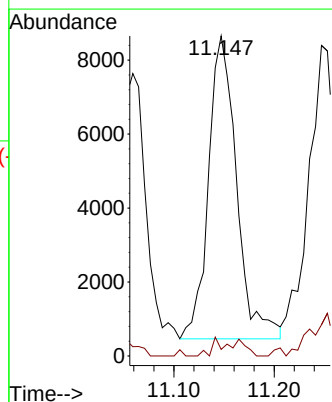
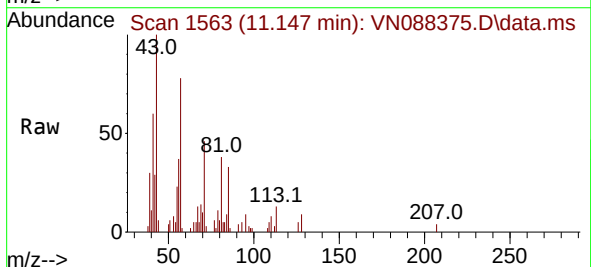
Instrument :
MSVOA_N
ClientSampleId :

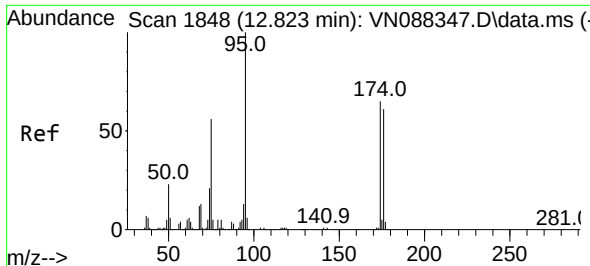
Tgt Ion: 63 Resp: 2905
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#



#59
2-Hexanone
Concen: 4.716 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.029 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 43 Resp: 16001
Ion Ratio Lower Upper
43 100
58 3.0 25.3 75.9#

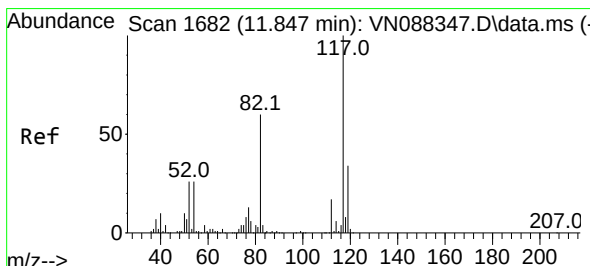
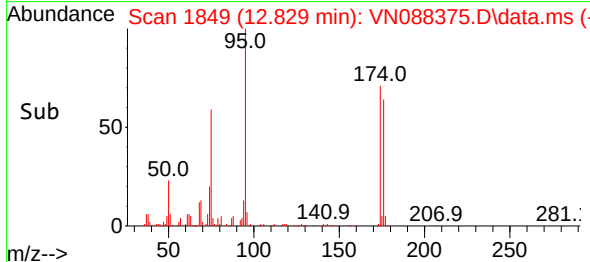
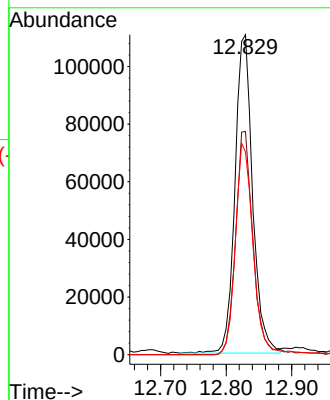
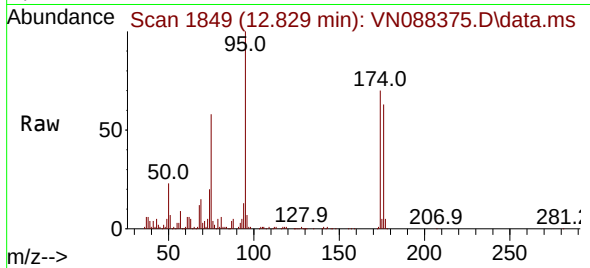




#62
4-Bromofluorobenzene
Concen: 55.040 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

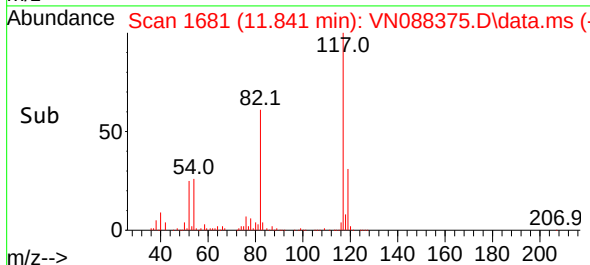
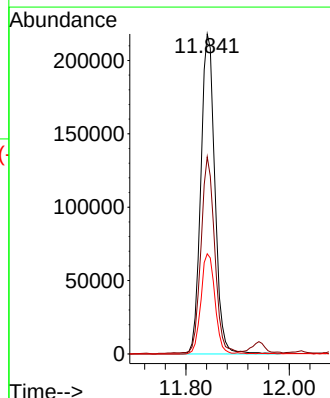
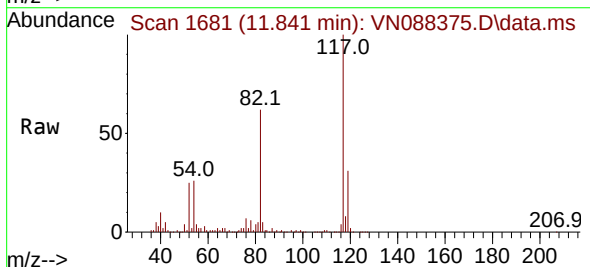
Instrument :
MSVOA_N
ClientSampleId :

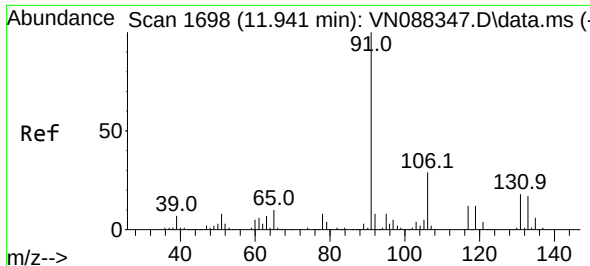
Tgt Ion: 95 Resp: 207102
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 67.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 117 Resp: 411286
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 31.3 26.9 40.3

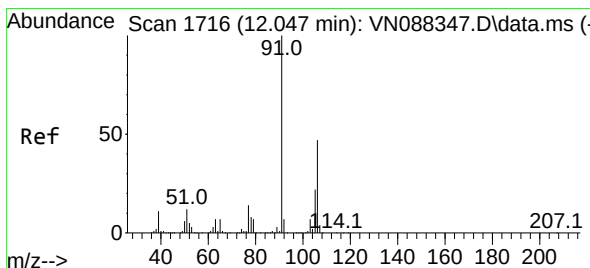
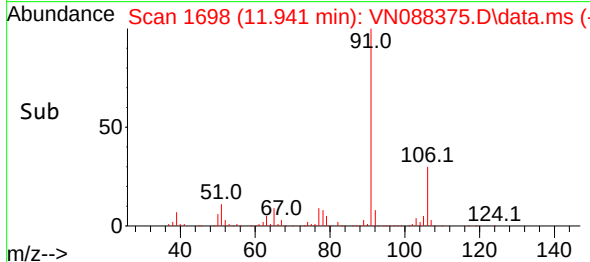
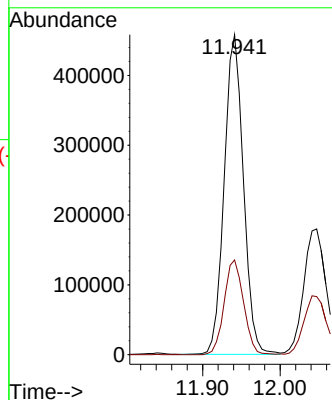
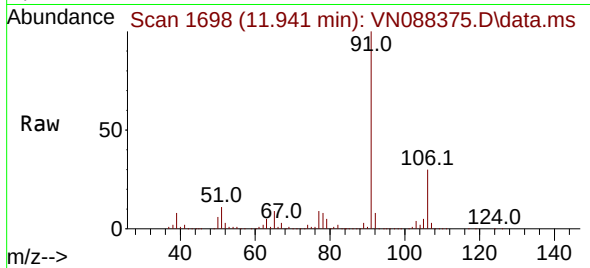




#67
Ethyl Benzene
Concen: 48.892 ug/l
RT: 11.941 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

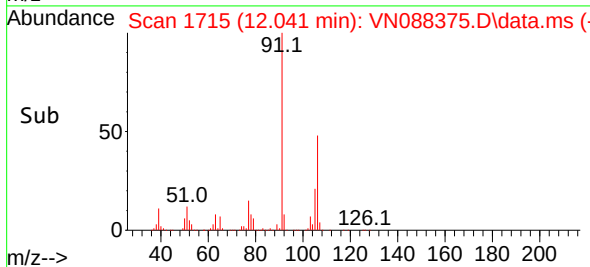
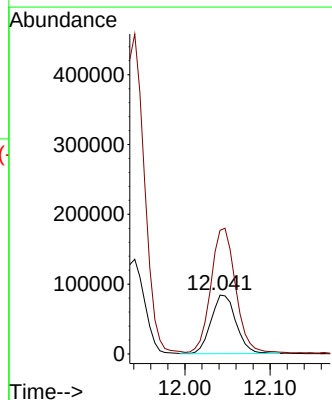
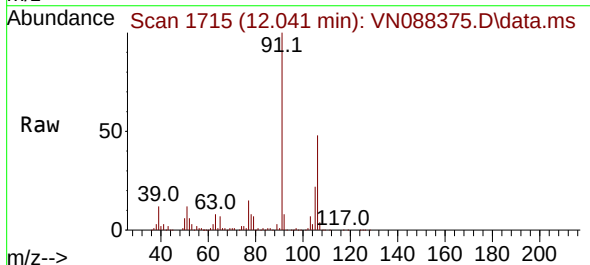
Instrument :
MSVOA_N
ClientSampleId :

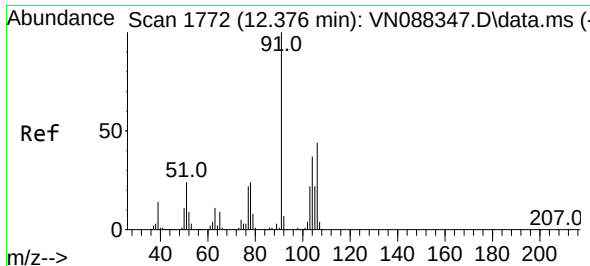
Tgt Ion: 91 Resp: 789435
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 28.513 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:106 Resp: 170697
Ion Ratio Lower Upper
106 100
91 211.0 167.8 251.6

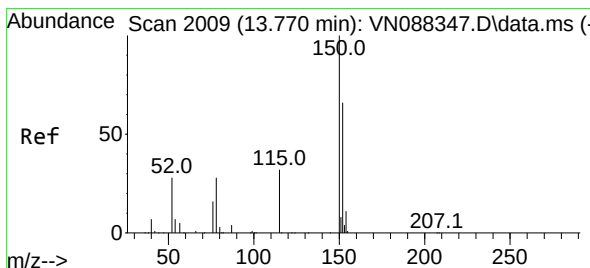
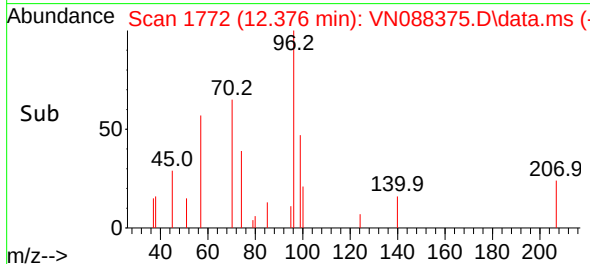
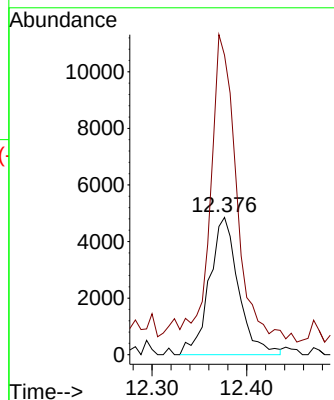
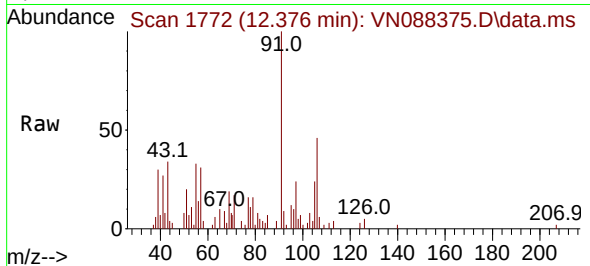




#69
o-Xylene
Concen: 1.817 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

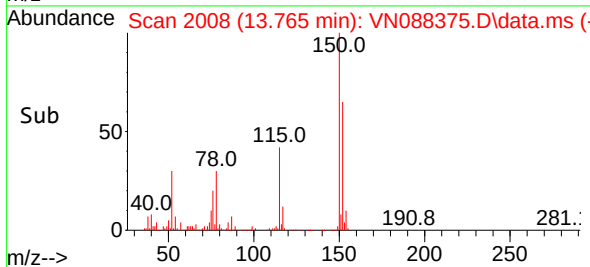
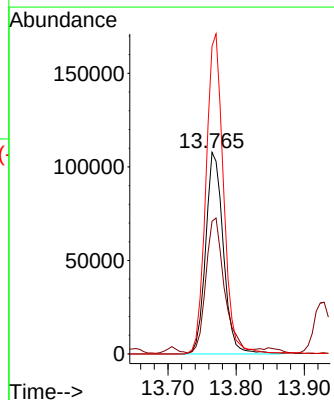
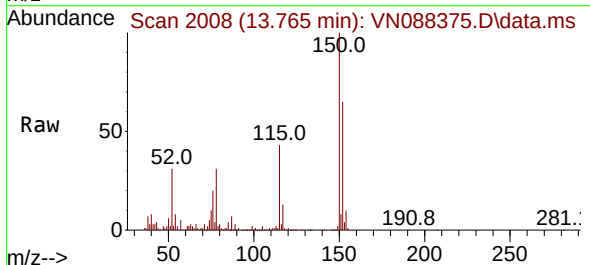
Instrument :
MSVOA_N
ClientSampleId :

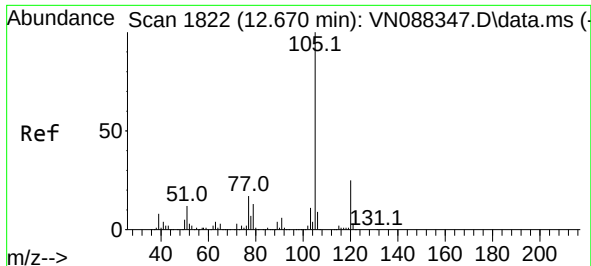
Tgt Ion:106 Resp: 10372
Ion Ratio Lower Upper
106 100
91 200.9 112.9 338.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:152 Resp: 194905
Ion Ratio Lower Upper
152 100
115 70.4 33.0 98.9
150 157.4 0.0 349.0

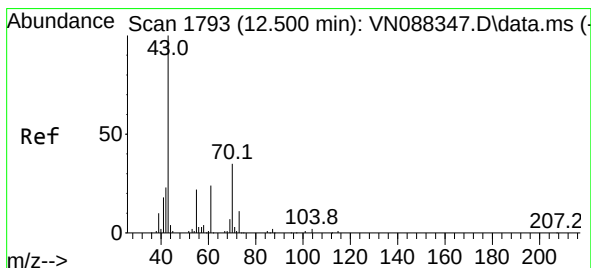
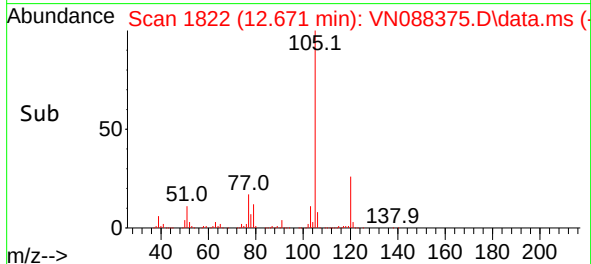
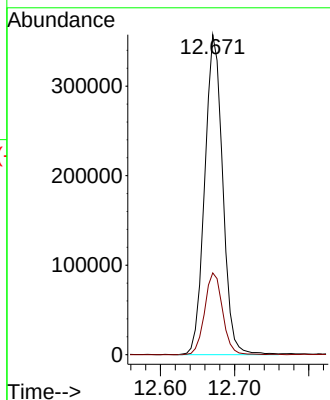
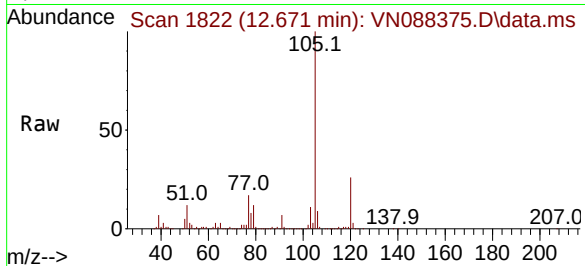




#73
Isopropylbenzene
Concen: 41.772 ug/l
RT: 12.671 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

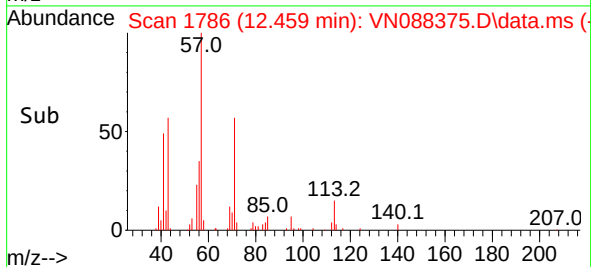
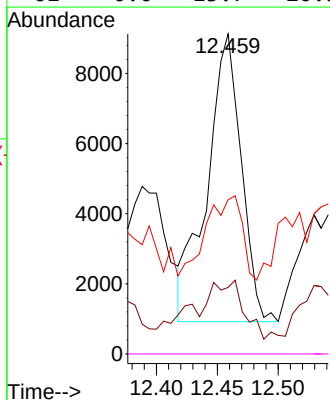
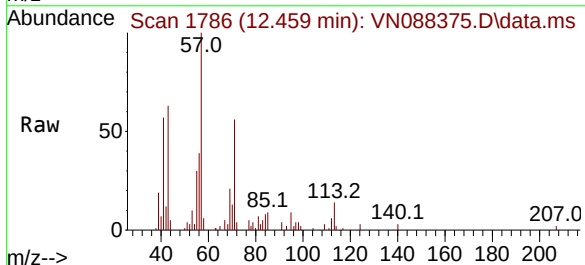
Instrument :
MSVOA_N
ClientSampleId :

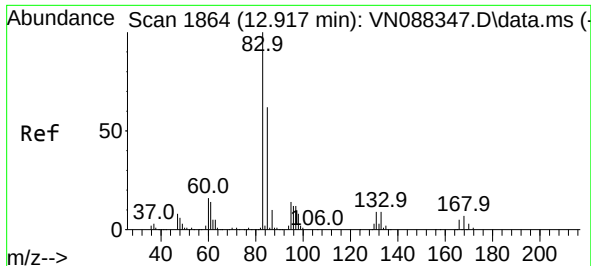
Tgt Ion:105 Resp: 601978
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3



#74
N-ethyl acetate
Concen: 3.272 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 43 Resp: 16059
Ion Ratio Lower Upper
43 100
70 25.8 28.3 42.5#
55 29.5 17.7 26.5#
61 0.0 13.7 20.5#

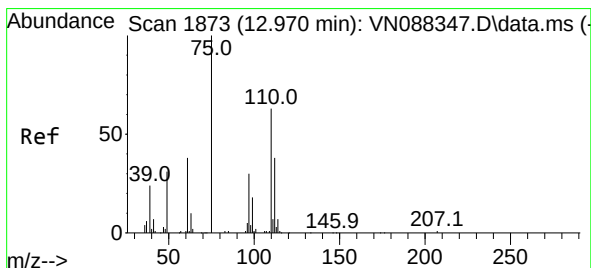
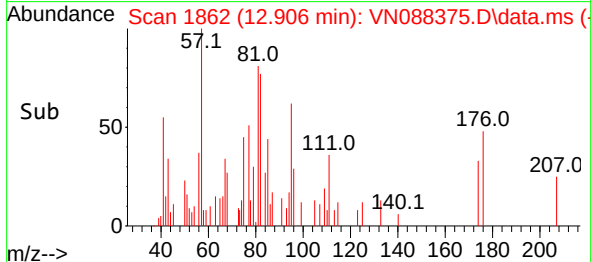
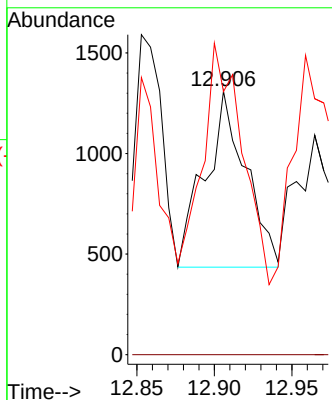
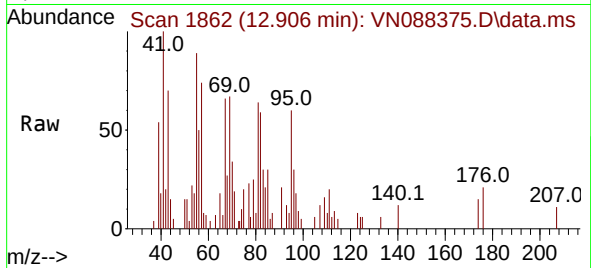




#75
1,1,2,2-Tetrachloroethane
Concen: 0.343 ug/l
RT: 12.906 min Scan# 1862
Delta R.T. -0.012 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

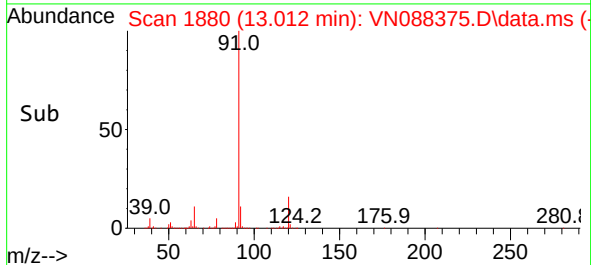
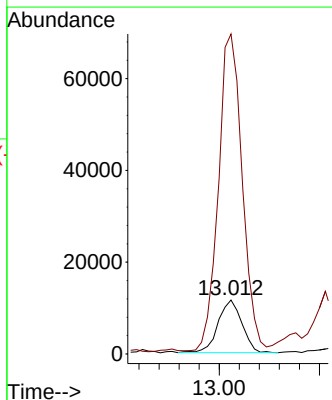
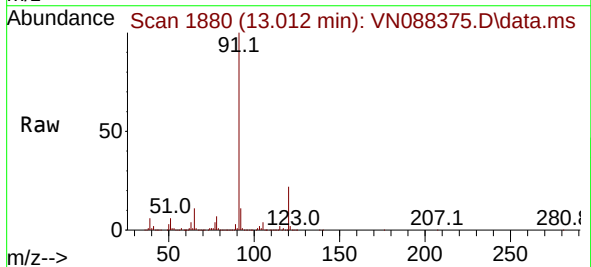
Instrument :
MSVOA_N
ClientSampleId :

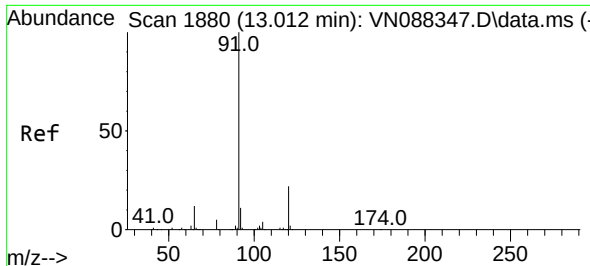
Tgt Ion: 83 Resp: 1599
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 133.3 32.1 96.5#



#76
1,2,3-Trichloropropane
Concen: 4.159 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.041 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 75 Resp: 18984
Ion Ratio Lower Upper
75 100
77 598.5 87.2 261.6#

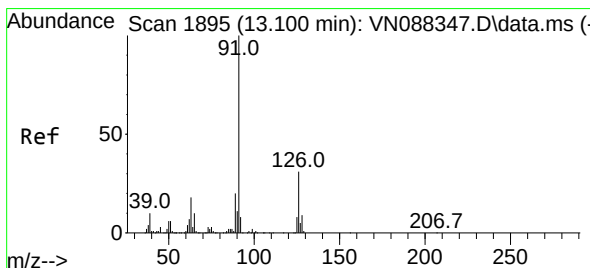
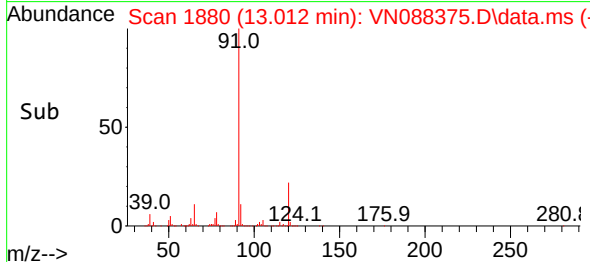
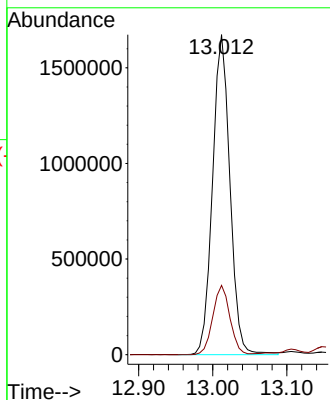
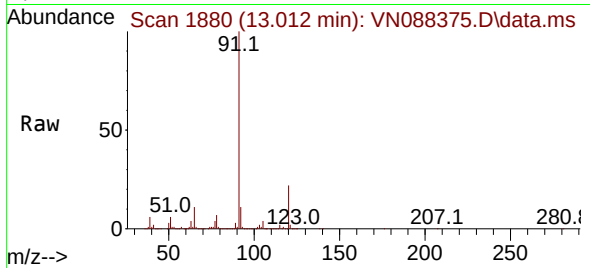




#78
n-propylbenzene
Concen: 154.567 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

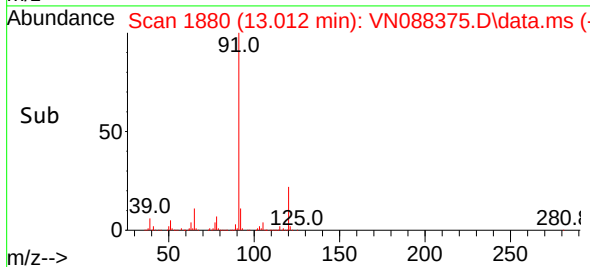
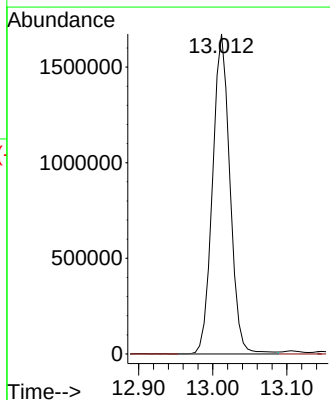
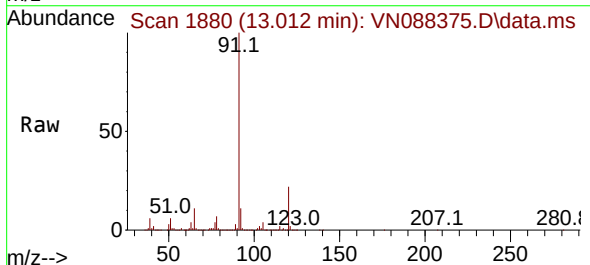
Instrument :
MSVOA_N
ClientSampleId :

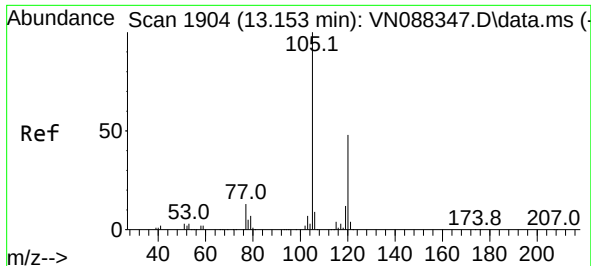
Tgt Ion: 91 Resp: 2725020
Ion Ratio Lower Upper
91 100
120 21.4 10.9 32.6



#79
2-Chlorotoluene
Concen: 253.111 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.088 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 91 Resp: 2725020
Ion Ratio Lower Upper
91 100
126 0.0 15.3 45.9#

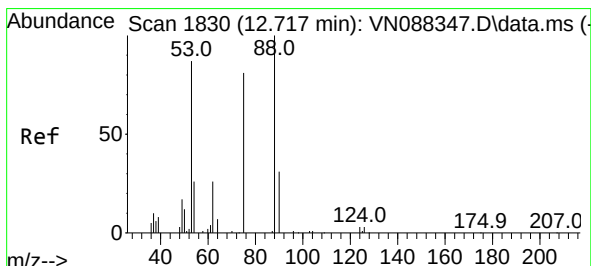
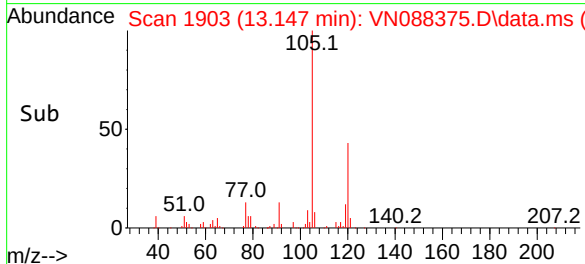
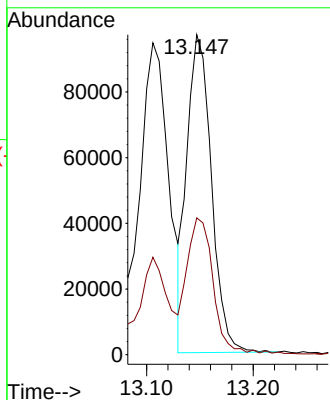
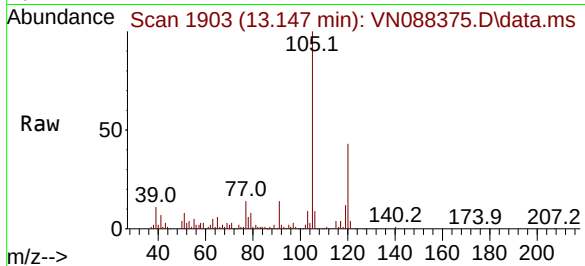




#80
 1,3,5-Trimethylbenzene
 Concen: 12.908 ug/l
 RT: 13.147 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VN088375.D
 Acq: 01 Dec 2025 12:30

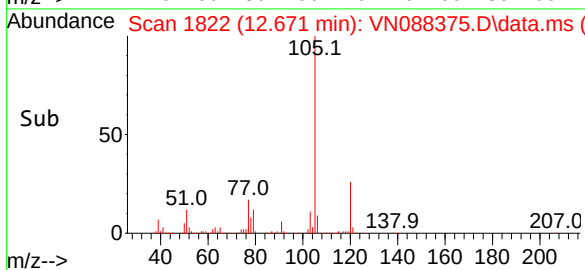
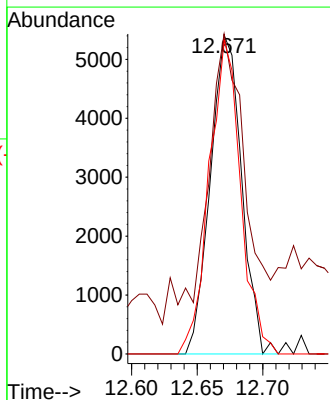
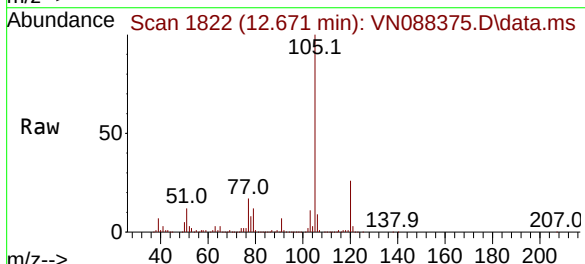
Instrument :
 MSVOA_N
 ClientSampleId :

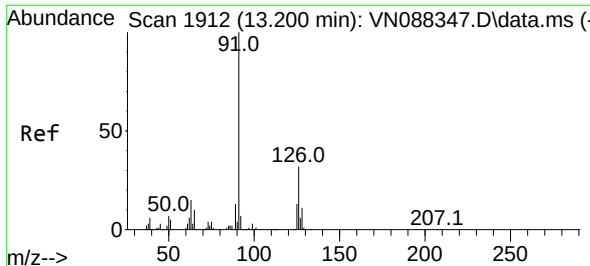
Tgt Ion:105 Resp: 154136
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.556 ug/l
 RT: 12.671 min Scan# 1822
 Delta R.T. -0.047 min
 Lab File: VN088375.D
 Acq: 01 Dec 2025 12:30

Tgt Ion: 75 Resp: 8941
 Ion Ratio Lower Upper
 75 100
 53 104.3 92.2 138.4
 89 99.7 0.0 0.0#

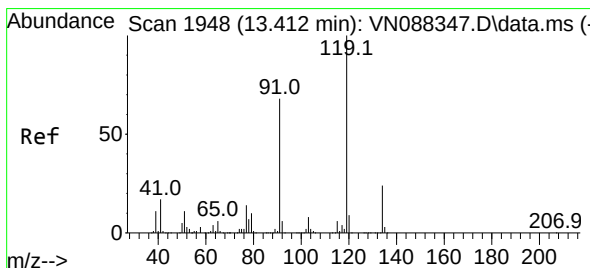
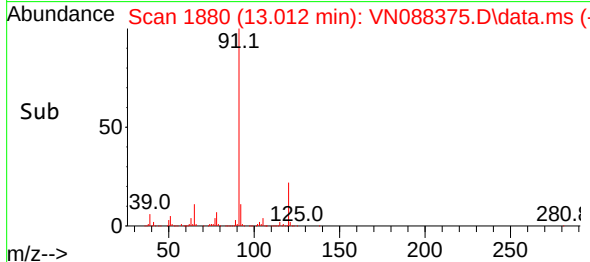
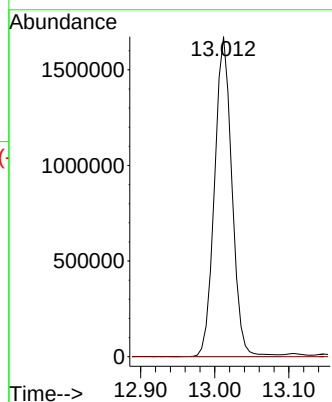
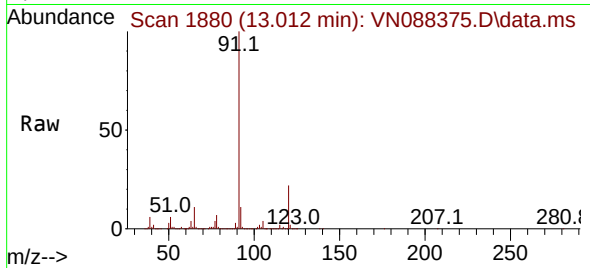




#82
4-Chlorotoluene
Concen: 254.836 ug/l
RT: 13.012 min Scan# 1912
Delta R.T. -0.188 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

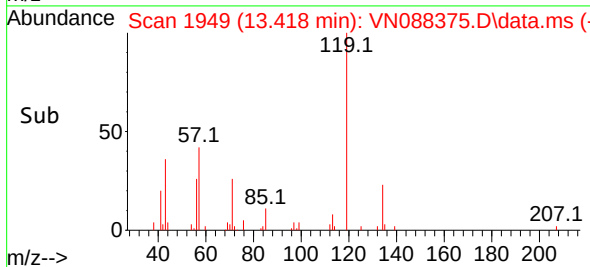
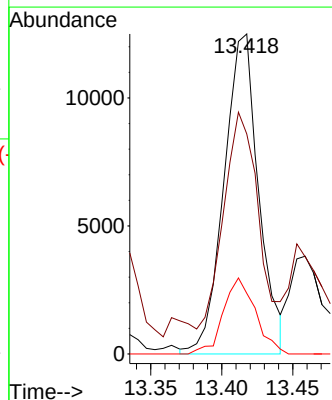
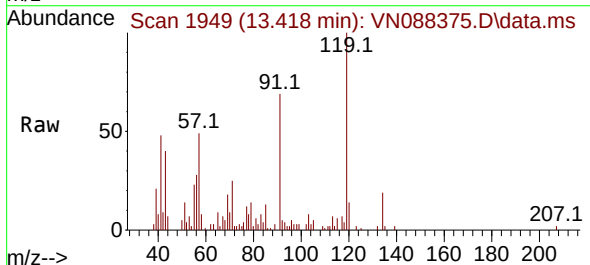
Instrument :
MSVOA_N
ClientSampleId :

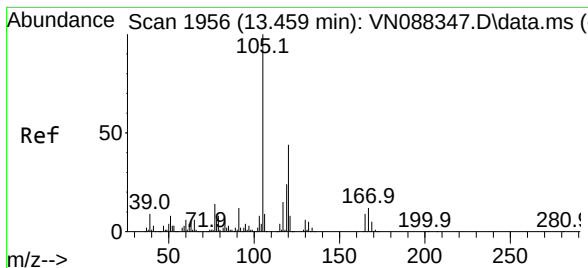
Tgt Ion: 91 Resp: 2725020
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#



#83
tert-Butylbenzene
Concen: 2.092 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 119 Resp: 21234
Ion Ratio Lower Upper
119 100
91 65.9 35.1 105.3
134 22.0 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 3.995 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

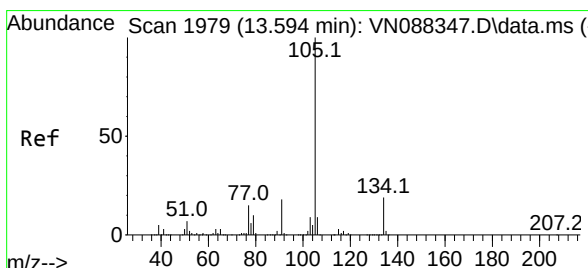
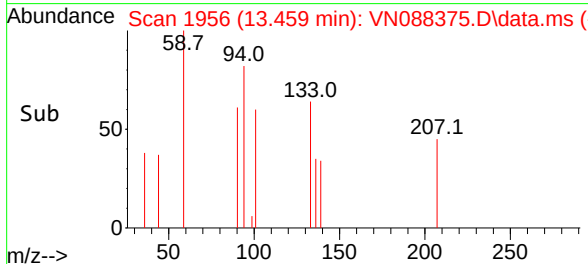
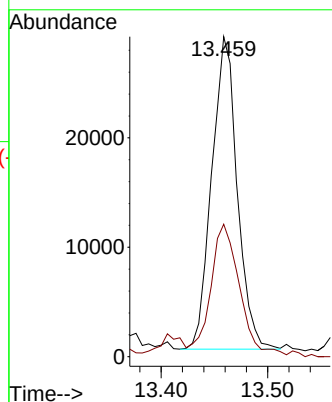
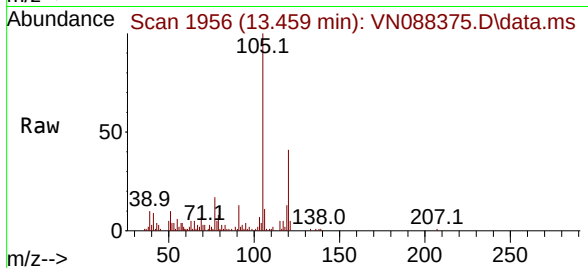
ClientSampleId :

Tgt Ion:105 Resp: 47419

Ion Ratio Lower Upper

105 100

120 46.6 22.1 66.1



#85

sec-Butylbenzene

Concen: 14.666 ug/l

RT: 13.588 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VN088375.D

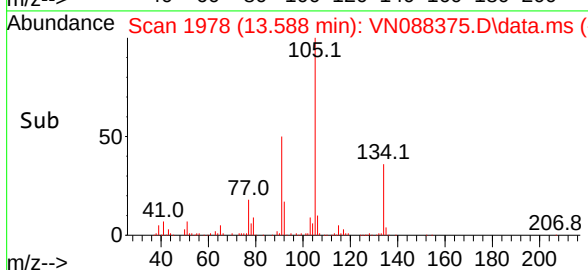
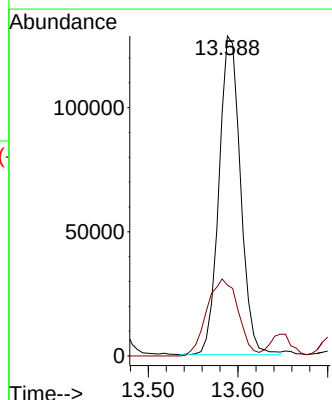
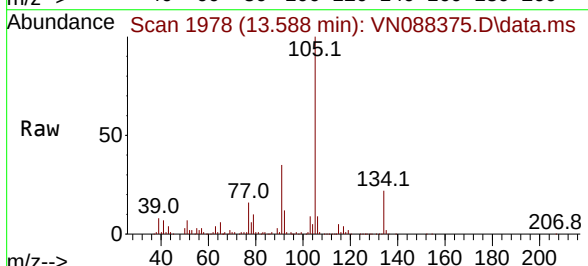
Acq: 01 Dec 2025 12:30

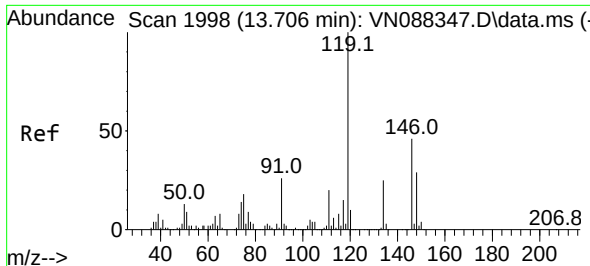
Tgt Ion:105 Resp: 213874

Ion Ratio Lower Upper

105 100

134 35.1 9.5 28.5#

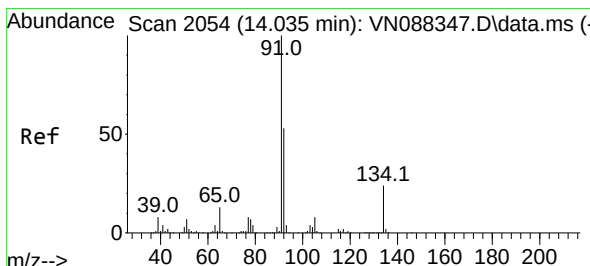
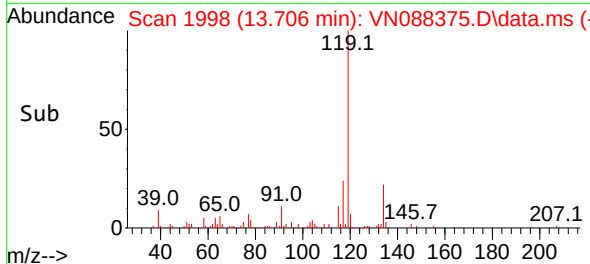
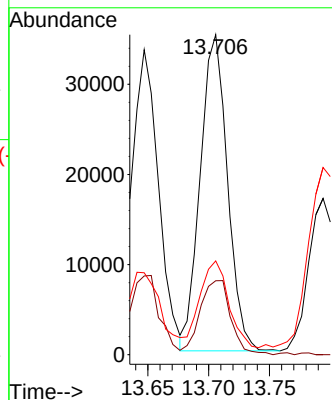
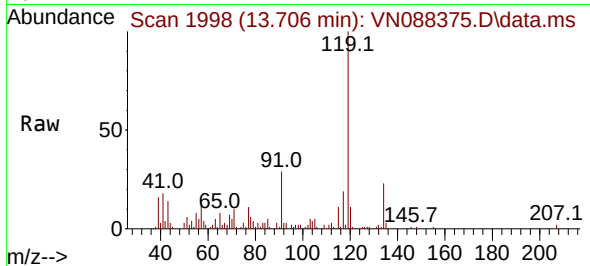




#86
p-Isopropyltoluene
Concen: 4.571 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

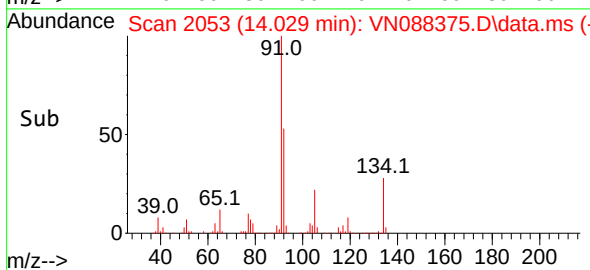
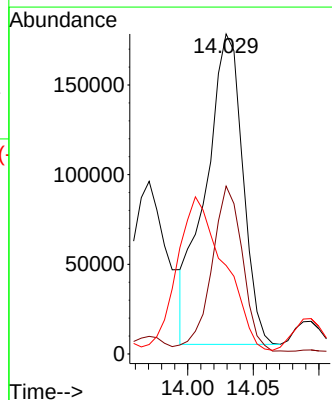
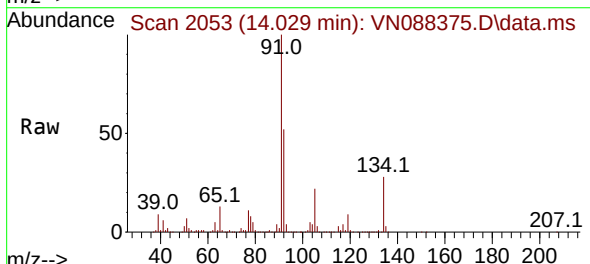
Instrument :
MSVOA_N
ClientSampleId :

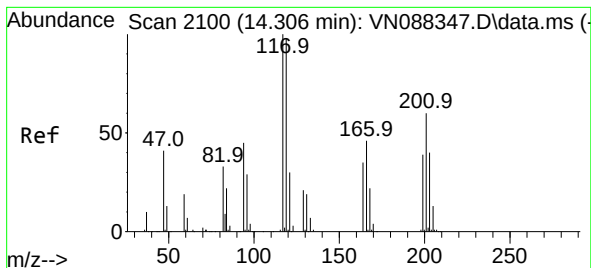
Tgt Ion:	119	Resp:	54659
Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.2	36.6
91	29.0	13.0	39.0



#89
n-Butylbenzene
Concen: 29.277 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:	91	Resp:	339936
Ion	Ratio	Lower	Upper
91	100		
92	44.4	26.1	78.3
134	0.0	11.7	35.1#





#90

Hexachloroethane

Concen: 69.419 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

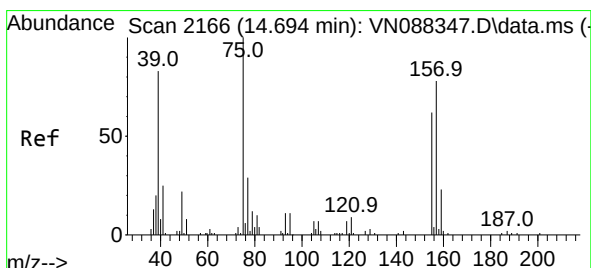
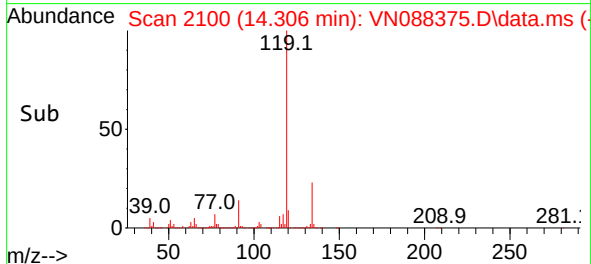
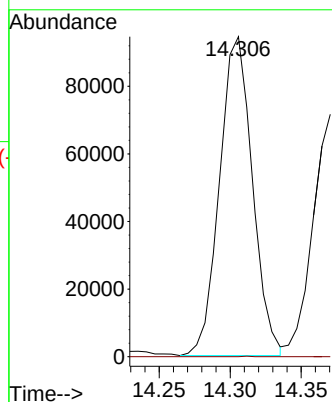
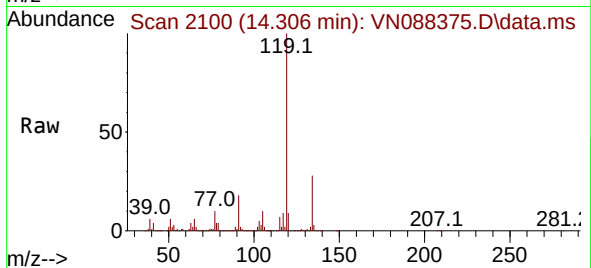
ClientSampleId :

Tgt Ion:117 Resp: 151650

Ion Ratio Lower Upper

117 100

201 0.0 30.3 90.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.538 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. 0.012 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

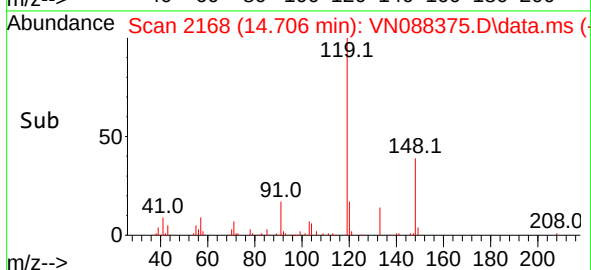
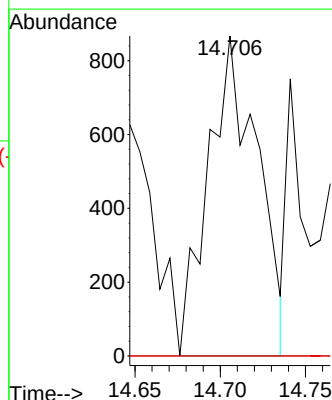
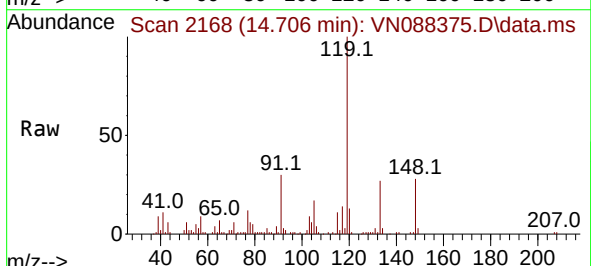
Tgt Ion: 75 Resp: 1739

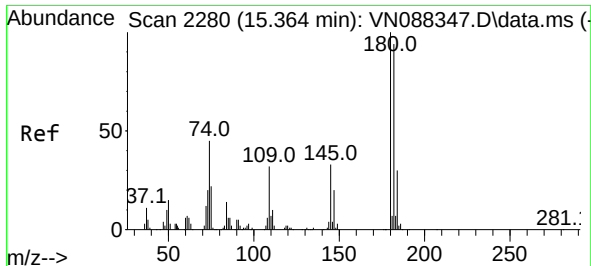
Ion Ratio Lower Upper

75 100

155 0.0 33.7 101.1#

157 0.0 43.8 131.3#

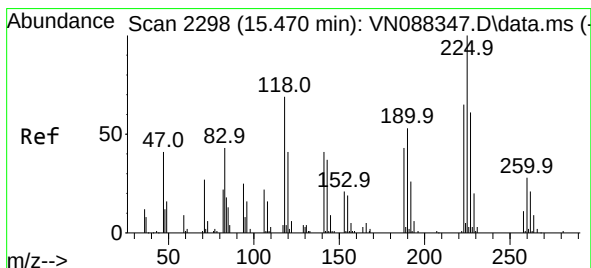
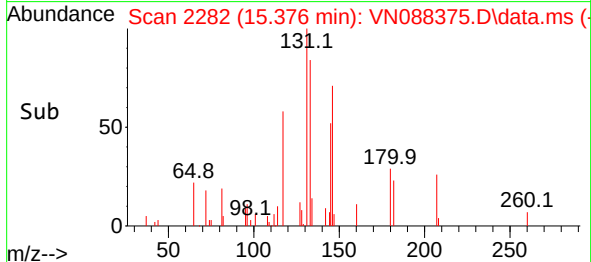
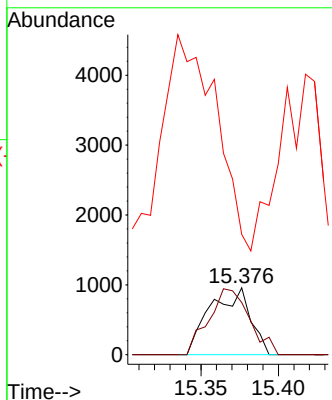
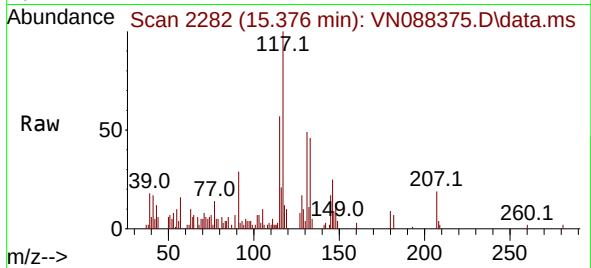




#93
 1,2,4-Trichlorobenzene
 Concen: 0.479 ug/l
 RT: 15.376 min Scan# 211
 Delta R.T. 0.012 min
 Lab File: VN088375.D
 Acq: 01 Dec 2025 12:30

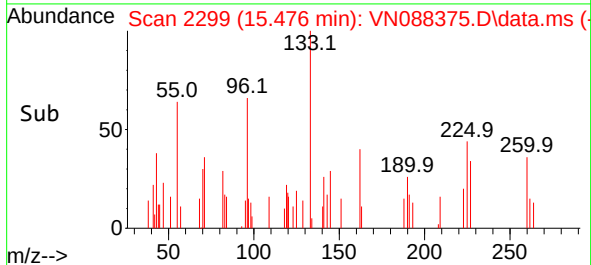
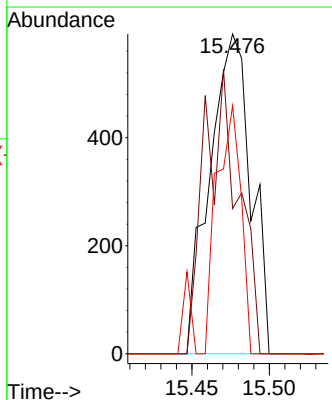
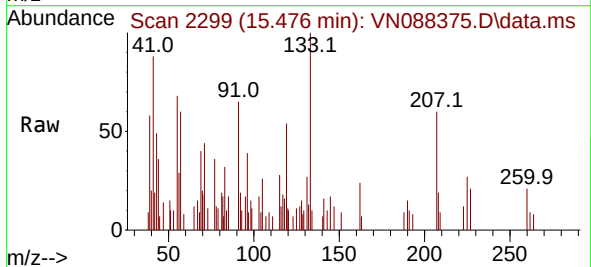
Instrument :
 MSVOA_N
 ClientSampleId :

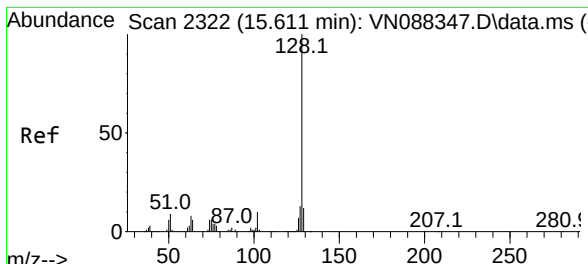
Tgt Ion:180 Resp: 1718
 Ion Ratio Lower Upper
 180 100
 182 100.2 46.1 138.2
 145 0.0 16.7 50.1#



#94
 Hexachlorobutadiene
 Concen: 0.849 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. 0.006 min
 Lab File: VN088375.D
 Acq: 01 Dec 2025 12:30

Tgt Ion:225 Resp: 1095
 Ion Ratio Lower Upper
 225 100
 223 73.0 32.3 96.8
 227 45.8 29.9 89.8

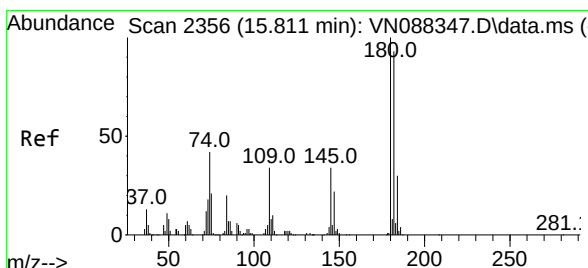
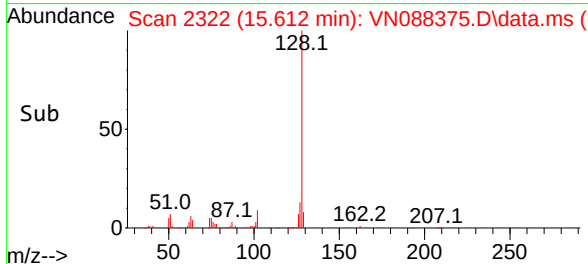
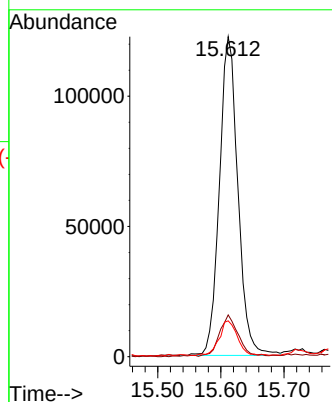
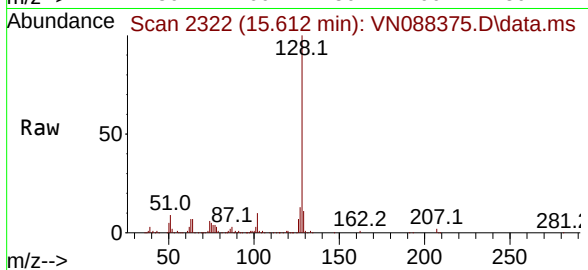




#95
Naphthalene
Concen: 20.078 ug/l
RT: 15.612 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 249692
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 10.7 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 0.500 ug/l
RT: 15.806 min Scan# 2355
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:180 Resp: 1748
Ion Ratio Lower Upper
180 100
182 83.5 45.9 137.7
145 0.0 17.8 53.4#

