

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088475.D
 Acq On : 09 Dec 2025 13:25
 Operator : JC\MD
 Sample : VN1209MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBS01

Quant Time: Dec 10 05:05:22 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	8.200	168	248889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	479217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	431211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	207134	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	297817	63.520	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.040%#	
35) Dibromofluoromethane	8.147	113	188096	56.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.280%	
50) Toluene-d8	10.541	98	666247	53.919	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.840%	
62) 4-Bromofluorobenzene	12.823	95	236247	55.722	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.440%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.142	85	67835	18.146	ug/l 98
3) Chloromethane	2.383	50	84535	21.055	ug/l 97
4) Vinyl Chloride	2.536	62	78047	19.108	ug/l 98
5) Bromomethane	2.983	94	42240	21.486	ug/l 100
6) Chloroethane	3.142	64	51155	20.237	ug/l 98
7) Trichlorofluoromethane	3.518	101	114716	19.983	ug/l 99
8) Diethyl Ether	3.965	74	48582	22.547	ug/l 96
9) 1,1,2-Trichlorotrifluo...	4.377	101	59887	19.595	ug/l 99
10) Methyl Iodide	4.589	142	53251	17.601	ug/l 94
11) Tert butyl alcohol	5.506	59	68177	91.078	ug/l 100
12) 1,1-Dichloroethene	4.341	96	59935	19.738	ug/l 92
13) Acrolein	4.171	56	58761	81.993	ug/l 99
14) Allyl chloride	5.012	41	118693	21.089	ug/l 98
15) Acrylonitrile	5.706	53	232764	107.774	ug/l 97
16) Acetone	4.418	43	169388	99.897	ug/l 97
17) Carbon Disulfide	4.706	76	187627	18.909	ug/l 98
18) Methyl Acetate	5.012	43	111523	22.095	ug/l 100
19) Methyl tert-butyl Ether	5.783	73	263754	23.184	ug/l 99
20) Methylene Chloride	5.271	84	80054	22.067	ug/l 93
21) trans-1,2-Dichloroethene	5.771	96	72931	21.682	ug/l 97
22) Diisopropyl ether	6.653	45	289537	24.097	ug/l 96
23) Vinyl Acetate	6.582	43	1243057	128.404	ug/l 100
24) 1,1-Dichloroethane	6.553	63	150607	22.133	ug/l 97
25) 2-Butanone	7.465	43	281816	103.383	ug/l 95
26) 2,2-Dichloropropane	7.471	77	125899	21.436	ug/l 97
27) cis-1,2-Dichloroethene	7.465	96	84362	21.581	ug/l 95
28) Bromochloromethane	7.788	49	74145	21.874	ug/l 98
29) Tetrahydrofuran	7.818	42	210281	107.548	ug/l 97
30) Chloroform	7.941	83	157648	23.578	ug/l 99
31) Cyclohexane	8.235	56	115861	18.790	ug/l 97
32) 1,1,1-Trichloroethane	8.141	97	127245	21.645	ug/l 96
36) 1,1-Dichloropropene	8.347	75	96661	18.860	ug/l 99
37) Ethyl Acetate	7.541	43	132976	19.732	ug/l 99
38) Carbon Tetrachloride	8.341	117	100696	19.736	ug/l 96
39) Methylcyclohexane	9.576	83	90466	16.502	ug/l 91
40) Benzene	8.588	78	310175	20.620	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.753	41	66461	19.911	ug/l	98
42) 1,2-Dichloroethane	8.647	62	136030	23.702	ug/l	99
43) Isopropyl Acetate	8.671	43	213553	20.740	ug/l	98
44) Trichloroethene	9.329	130	69437	19.536	ug/l	99
45) 1,2-Dichloropropane	9.600	63	85120	22.086	ug/l	93
46) Dibromomethane	9.688	93	60918	22.148	ug/l	100
47) Bromodichloromethane	9.865	83	127350	22.692	ug/l	92
48) Methyl methacrylate	9.659	41	98158	20.894	ug/l	99
49) 1,4-Dioxane	9.676	88	21868	366.014	ug/l #	99
51) 4-Methyl-2-Pentanone	10.423	43	660700	108.862	ug/l	99
52) Toluene	10.606	92	184974	21.296	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	122884	21.332	ug/l	92
54) cis-1,3-Dichloropropene	10.288	75	133239	21.994	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	75099	22.347	ug/l	98
56) Ethyl methacrylate	10.853	69	115502	21.758	ug/l	99
57) 1,3-Dichloropropane	11.141	76	136861	22.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.135	63	286335	93.561	ug/l	100
59) 2-Hexanone	11.176	43	405447	106.047	ug/l	99
60) Dibromochloromethane	11.335	129	86126	22.481	ug/l	97
61) 1,2-Dibromoethane	11.441	107	74763	21.969	ug/l	96
64) Tetrachloroethene	11.076	164	59685	17.459	ug/l	97
65) Chlorobenzene	11.865	112	197392	20.379	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	69961	21.416	ug/l	99
67) Ethyl Benzene	11.941	91	336466	19.875	ug/l	100
68) m/p-Xylenes	12.047	106	250217	39.865	ug/l	96
69) o-Xylene	12.370	106	119299	19.936	ug/l	99
70) Styrene	12.388	104	208322	21.441	ug/l	99
71) Bromoform	12.553	173	51434	21.496	ug/l #	100
73) Isopropylbenzene	12.670	105	299656	19.566	ug/l	99
74) N-amyl acetate	12.535	43	14017	2.687	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.917	83	109715	22.159	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	148698	30.650	ug/l	64
77) Bromobenzene	12.959	156	74828	21.354	ug/l	98
78) n-propylbenzene	13.012	91	369035	19.696	ug/l	100
79) 2-Chlorotoluene	13.100	91	233212	20.383	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	257895	20.321	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.712	75	35926	21.008	ug/l #	81
82) 4-Chlorotoluene	13.200	91	248736	21.888	ug/l	97
83) tert-Butylbenzene	13.411	119	196060	18.174	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	265882	21.078	ug/l	98
85) sec-Butylbenzene	13.594	105	294369	18.994	ug/l	100
86) p-Isopropyltoluene	13.706	119	237653	18.700	ug/l	100
87) 1,3-Dichlorobenzene	13.706	146	139409	20.437	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	150309	21.036	ug/l	99
89) n-Butylbenzene	14.029	91	224703	18.210	ug/l	99
90) Hexachloroethane	14.306	117	43587	18.774	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	129030	20.101	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23098	19.228	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	71521	18.752	ug/l	98
94) Hexachlorobutadiene	15.470	225	24821	18.110	ug/l	98
95) Naphthalene	15.611	128	243768	18.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	69085	18.612	ug/l	95

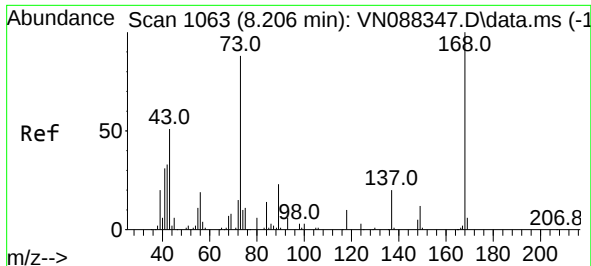
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088475.D
Acq On : 09 Dec 2025 13:25
Operator : JC\MD
Sample : VN1209MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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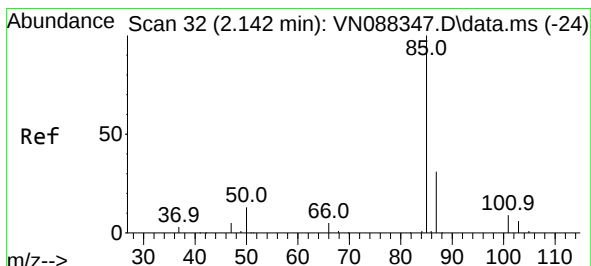
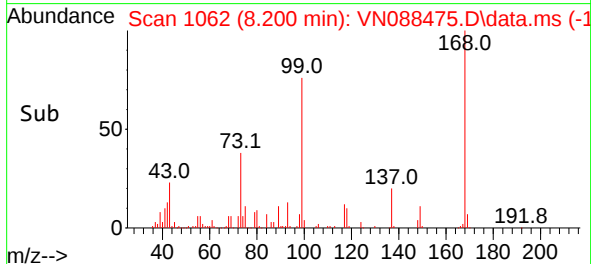
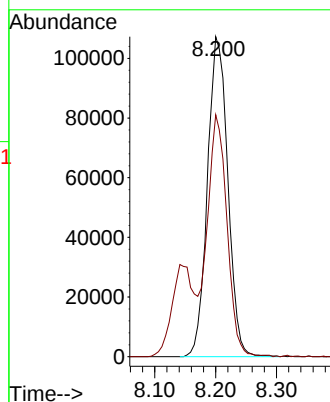
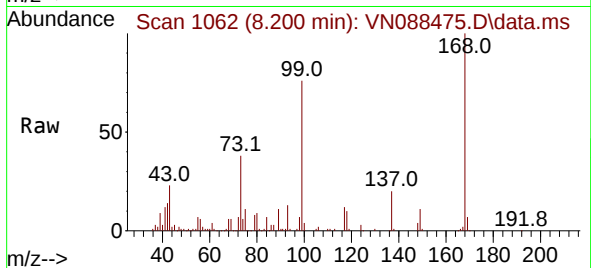
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

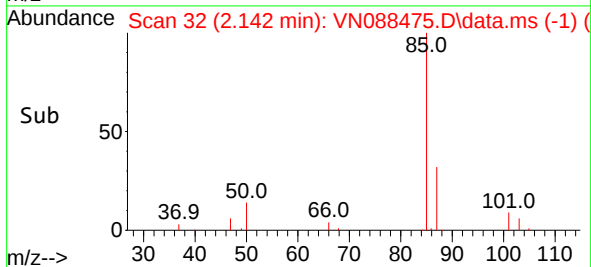
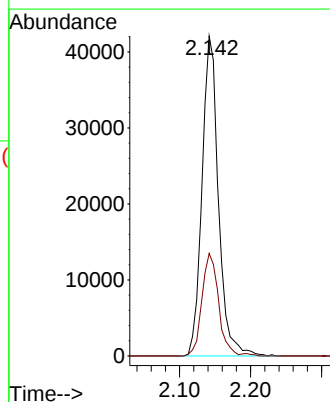
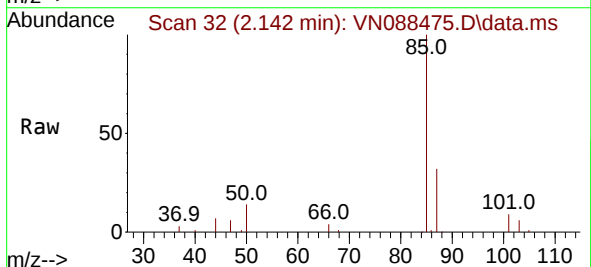
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

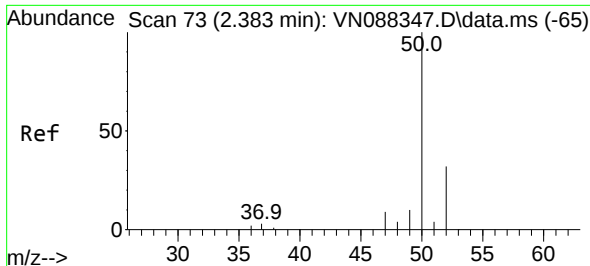
Tgt Ion:168 Resp: 248889
Ion Ratio Lower Upper
168 100
99 75.6 57.1 85.7



#2
Dichlorodifluoromethane
Concen: 18.146 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 85 Resp: 67835
Ion Ratio Lower Upper
85 100
87 32.0 15.6 46.7

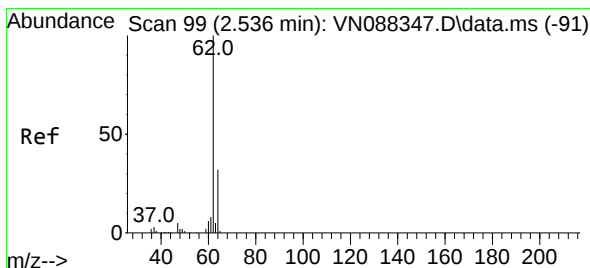
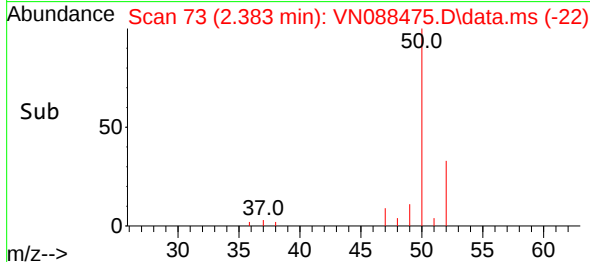
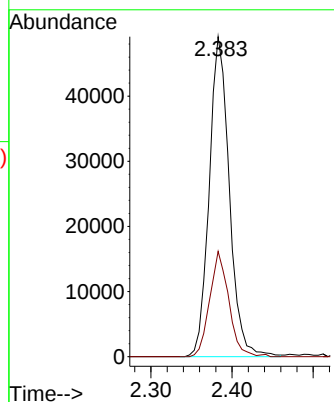
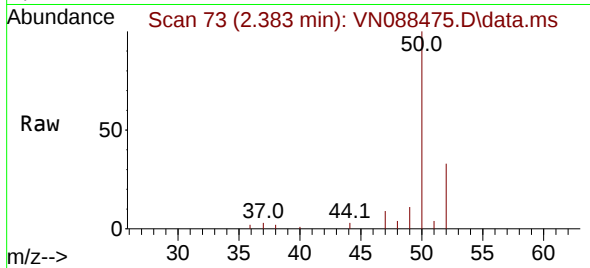




#3
Chloromethane
Concen: 21.055 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

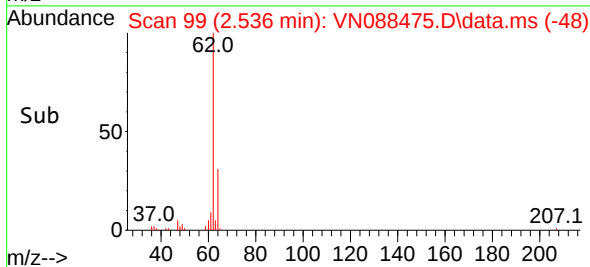
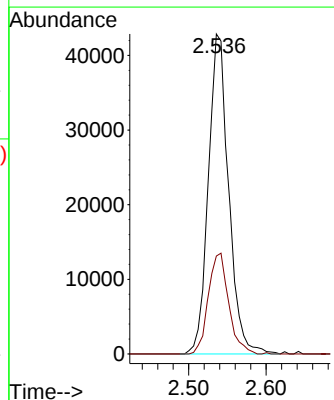
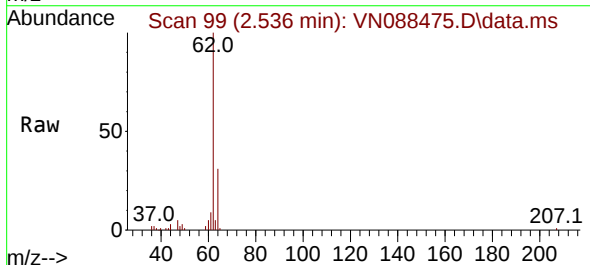
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

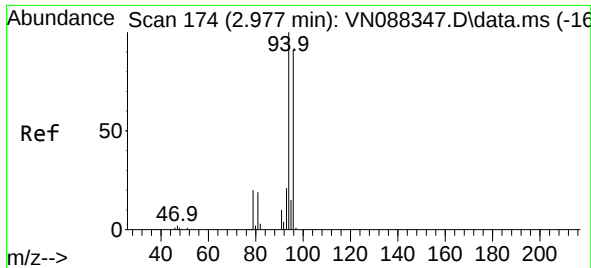
Tgt Ion: 50 Resp: 84535
Ion Ratio Lower Upper
50 100
52 32.9 25.2 37.8



#4
Vinyl Chloride
Concen: 19.108 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 62 Resp: 78047
Ion Ratio Lower Upper
62 100
64 30.6 25.4 38.2

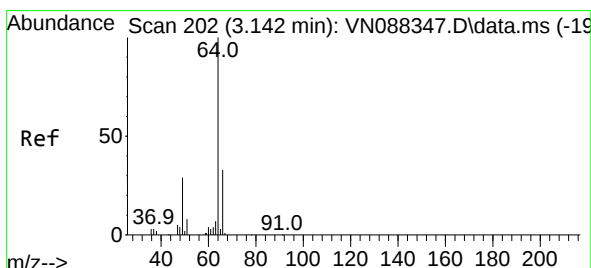
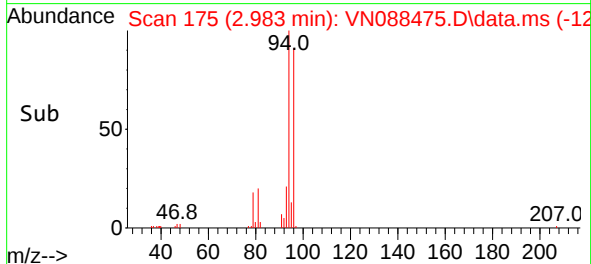
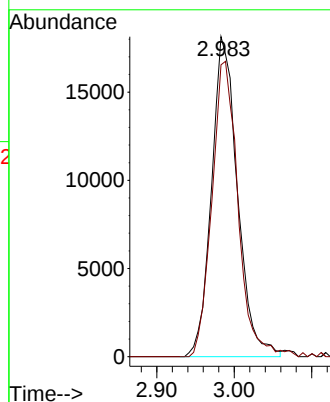
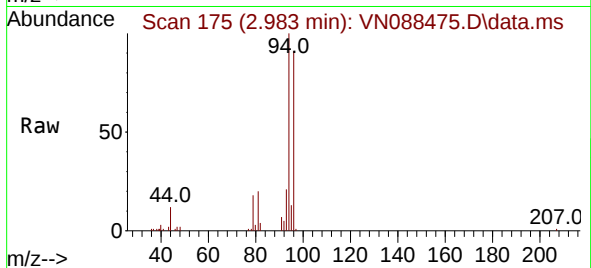




#5
Bromomethane
Concen: 21.486 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

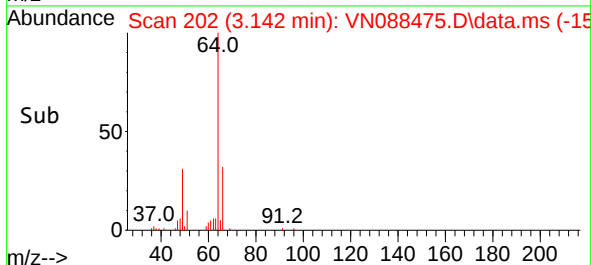
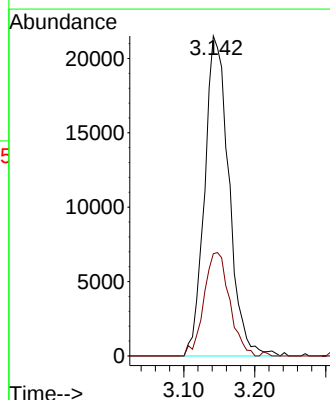
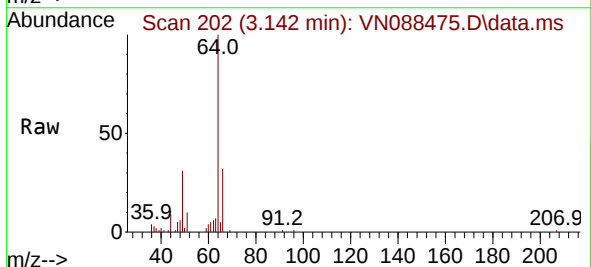
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

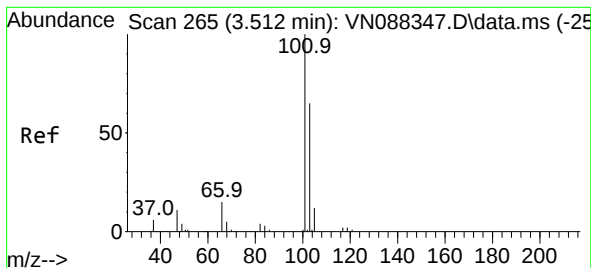
Tgt Ion: 94 Resp: 42240
Ion Ratio Lower Upper
94 100
96 91.2 73.2 109.8



#6
Chloroethane
Concen: 20.237 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 64 Resp: 51155
Ion Ratio Lower Upper
64 100
66 32.0 26.4 39.6





#7

Trichlorofluoromethane

Concen: 19.983 ug/l

RT: 3.518 min Scan# 2

Delta R.T. 0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

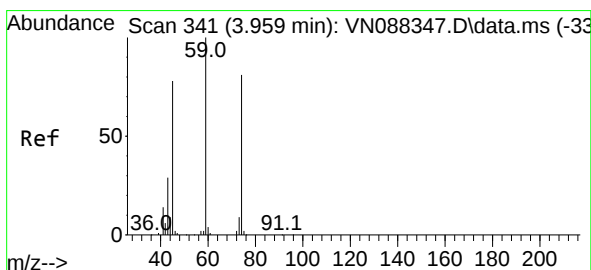
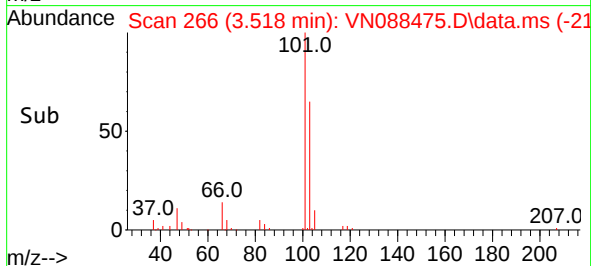
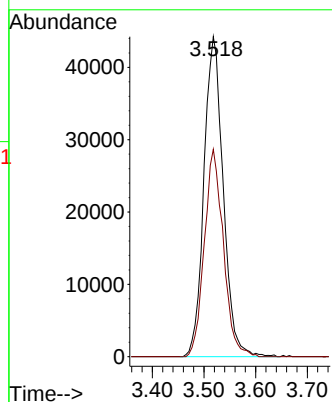
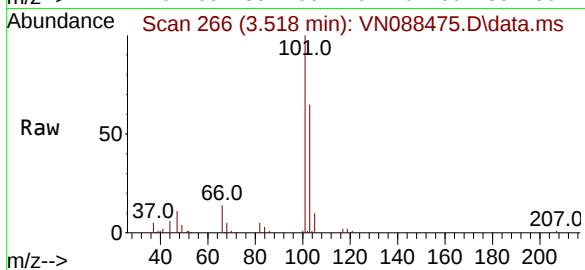
VN1209MBS01

Tgt Ion:101 Resp: 114716

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5



#8

Diethyl Ether

Concen: 22.547 ug/l

RT: 3.965 min Scan# 342

Delta R.T. 0.006 min

Lab File: VN088475.D

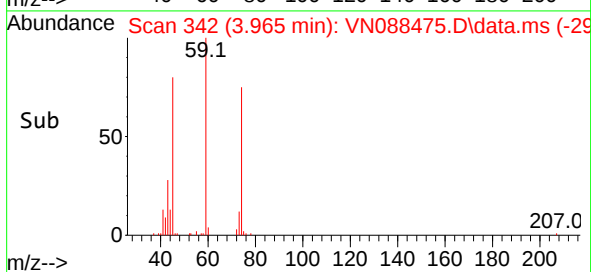
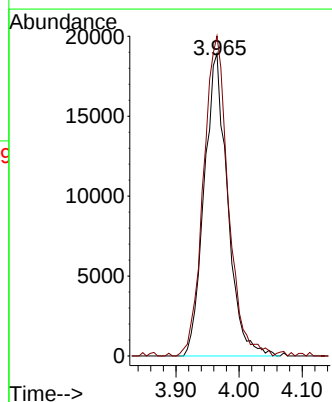
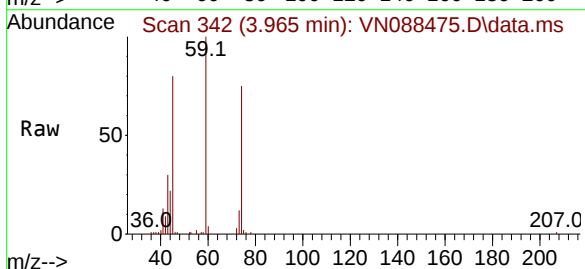
Acq: 09 Dec 2025 13:25

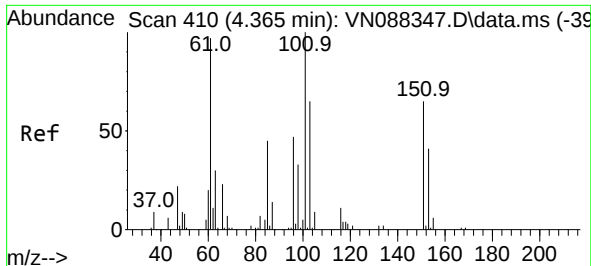
Tgt Ion: 74 Resp: 48582

Ion Ratio Lower Upper

74 100

45 112.5 54.2 162.6

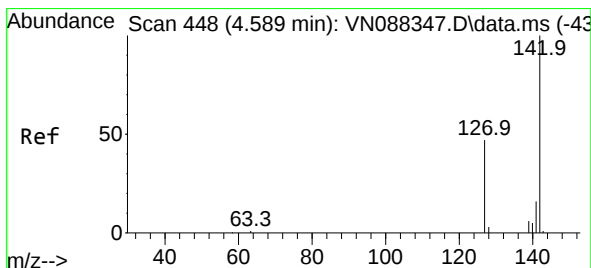
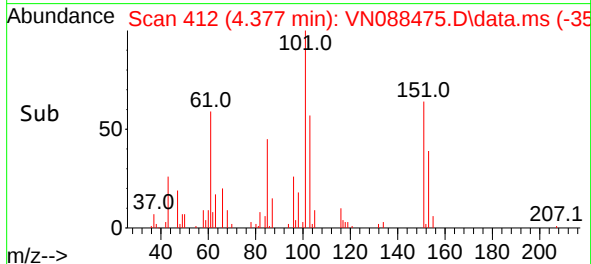
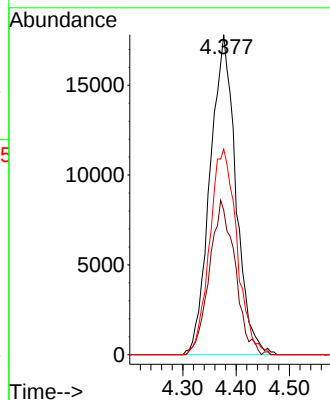
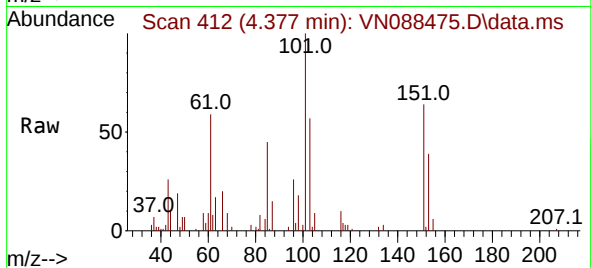




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.595 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

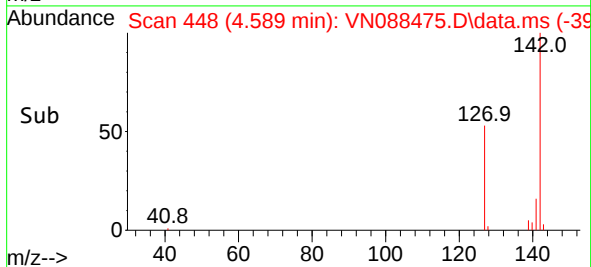
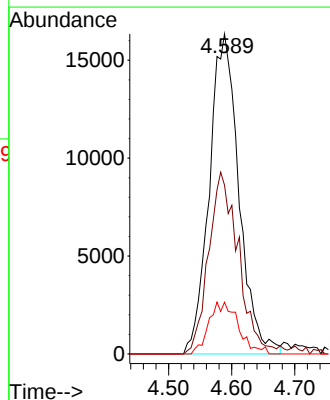
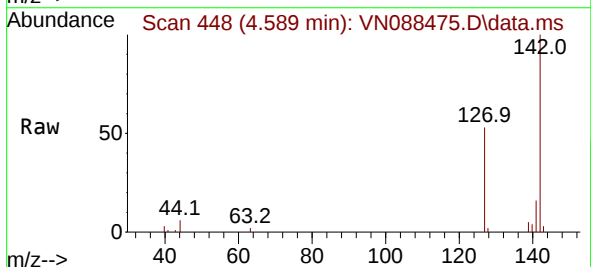
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

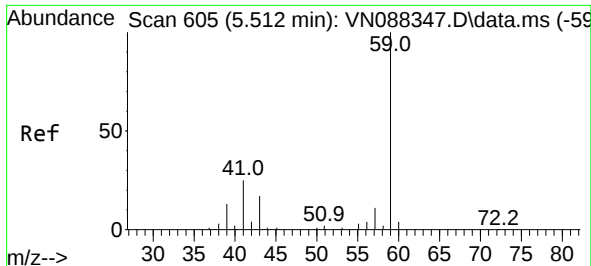
Tgt Ion:101 Resp: 59887
Ion Ratio Lower Upper
101 100
85 47.8 39.2 58.8
151 67.8 53.6 80.4



#10
Methyl Iodide
Concen: 17.601 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:142 Resp: 53251
Ion Ratio Lower Upper
142 100
127 52.7 37.9 56.9
141 16.2 12.4 18.6

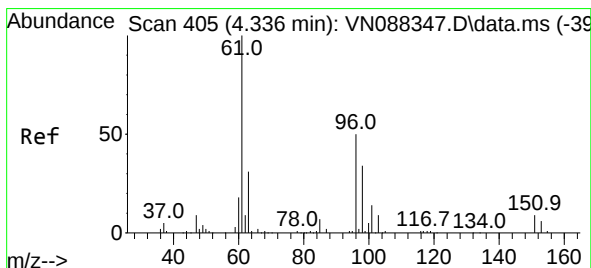
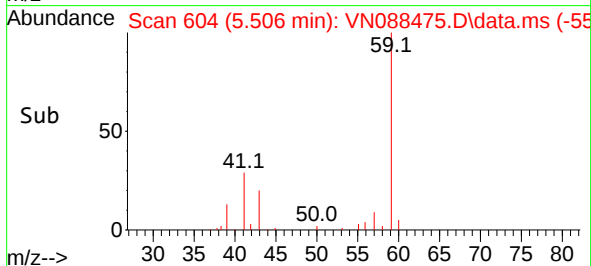
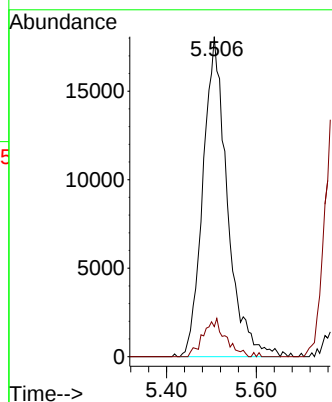
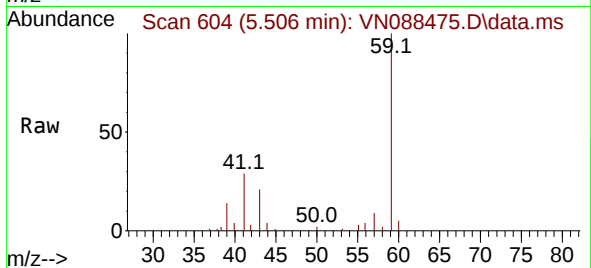




#11
Tert butyl alcohol
Concen: 91.078 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

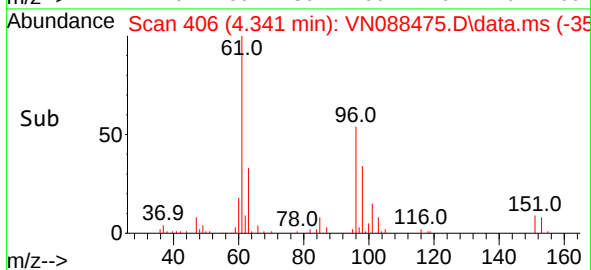
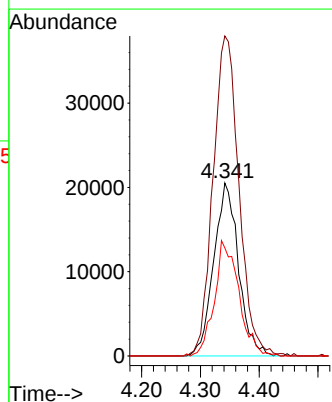
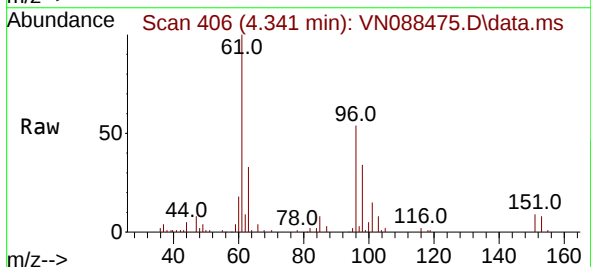
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

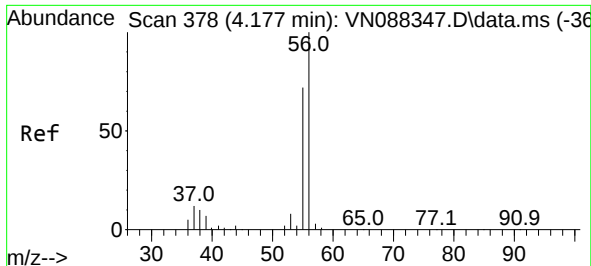
Tgt Ion: 59 Resp: 68177
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.738 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 96 Resp: 59935
Ion Ratio Lower Upper
96 100
61 185.0 159.1 238.7
98 62.4 53.7 80.5

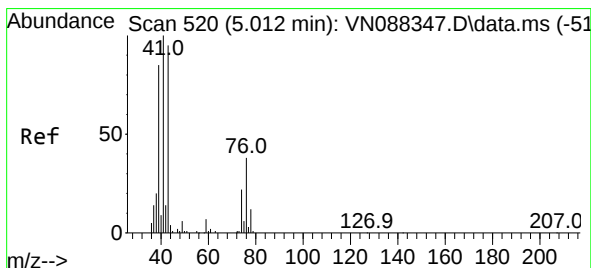
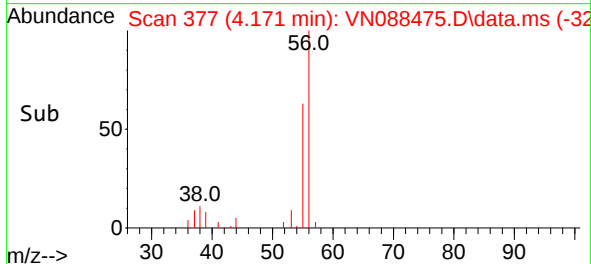
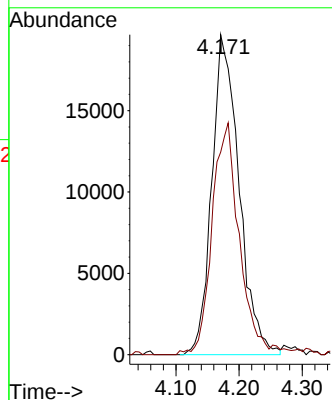
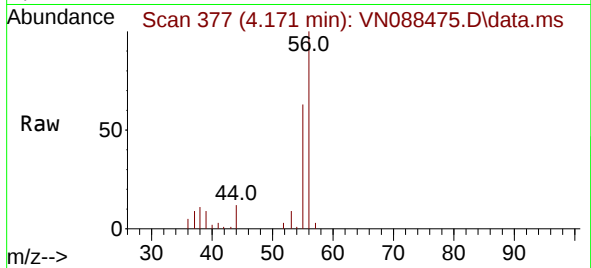




#13
Acrolein
Concen: 81.993 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

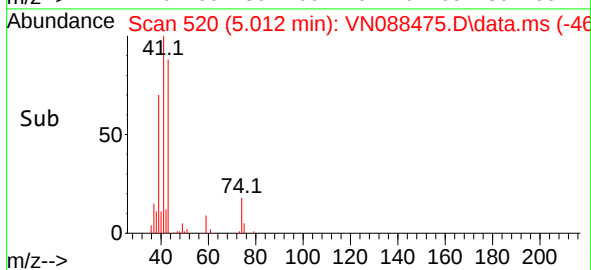
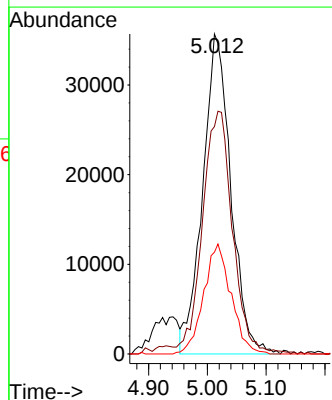
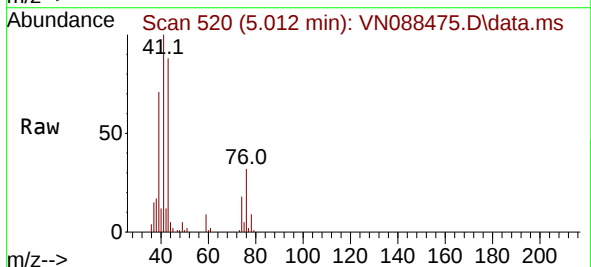
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

Tgt Ion: 56 Resp: 58761
Ion Ratio Lower Upper
56 100
55 71.5 56.3 84.5



#14
Allyl chloride
Concen: 21.089 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 41 Resp: 118693
Ion Ratio Lower Upper
41 100
39 81.2 64.7 97.1
76 33.5 29.1 43.7

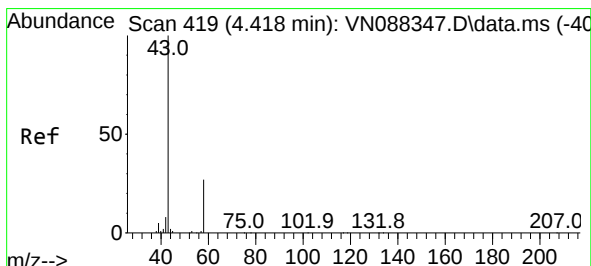
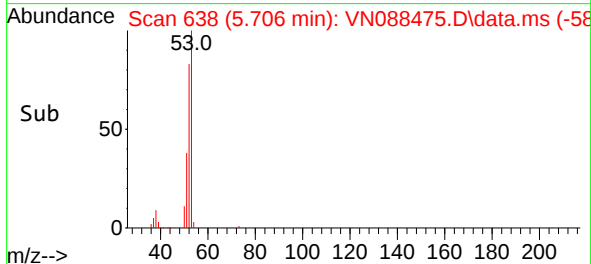
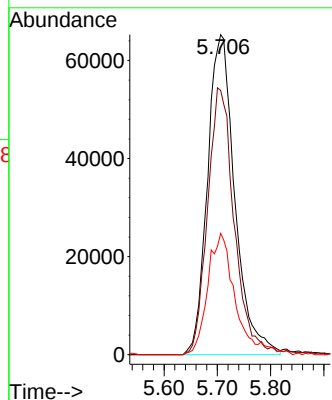
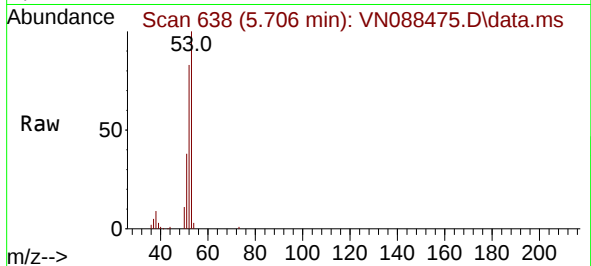




#15
Acrylonitrile
Concen: 107.774 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

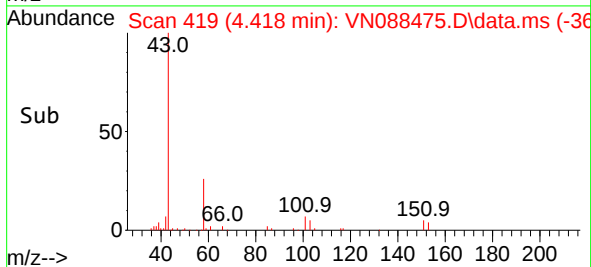
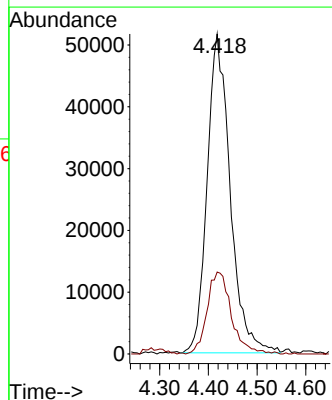
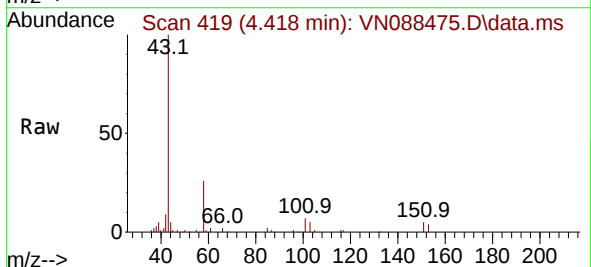
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

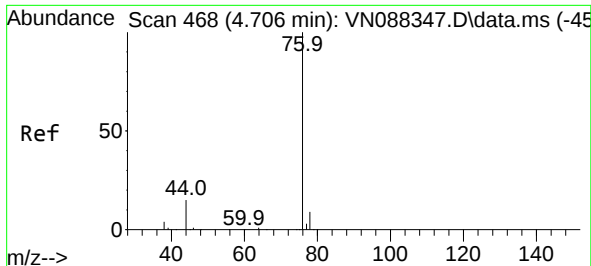
Tgt Ion: 53 Resp: 232764
Ion Ratio Lower Upper
53 100
52 81.0 67.8 101.6
51 36.3 29.8 44.8



#16
Acetone
Concen: 99.897 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 43 Resp: 169388
Ion Ratio Lower Upper
43 100
58 25.7 21.7 32.5

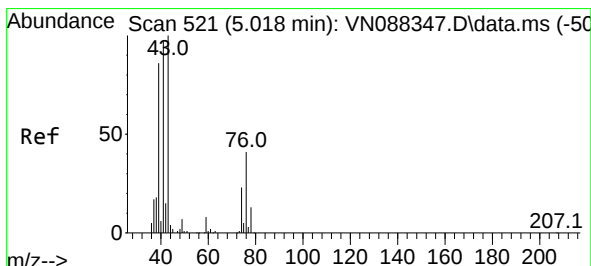
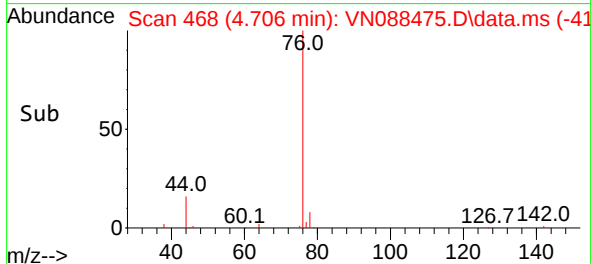
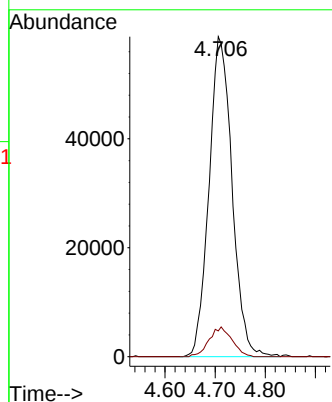
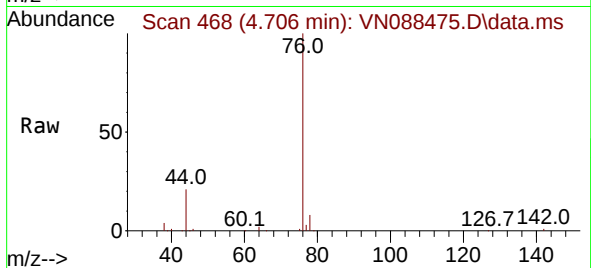




#17
Carbon Disulfide
Concen: 18.909 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

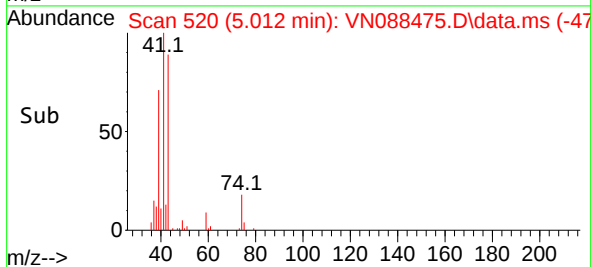
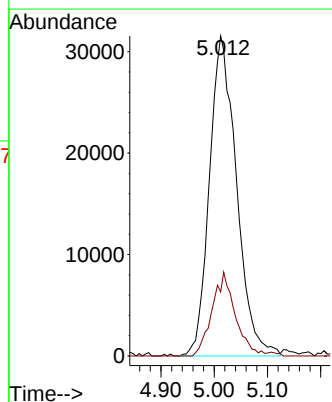
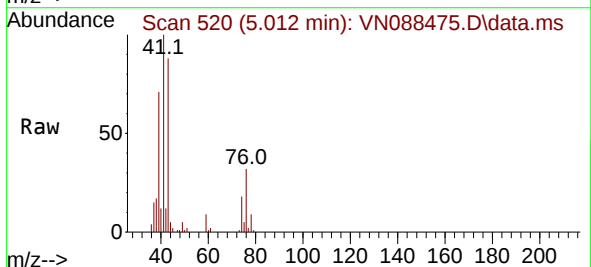
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

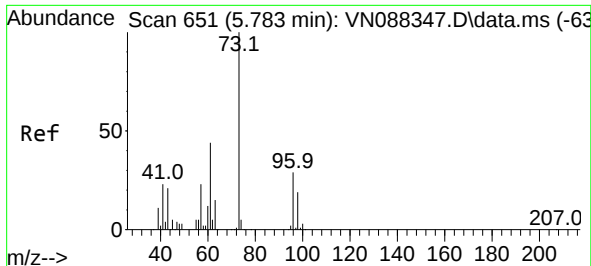
Tgt Ion: 76 Resp: 187627
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



#18
Methyl Acetate
Concen: 22.095 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 43 Resp: 111523
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9

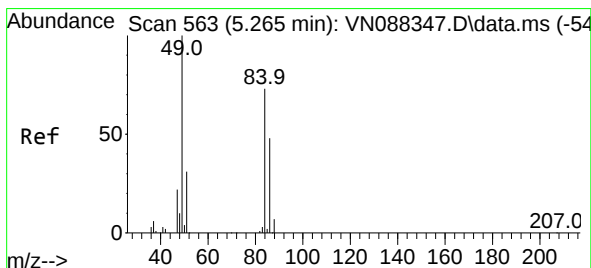
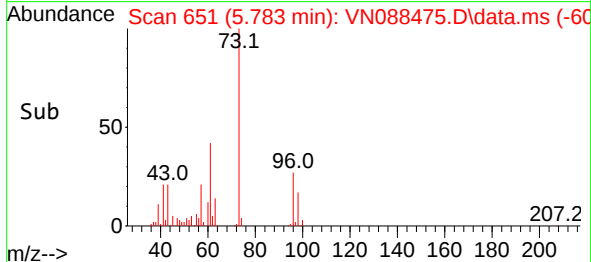
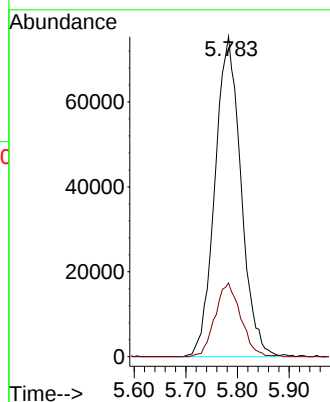
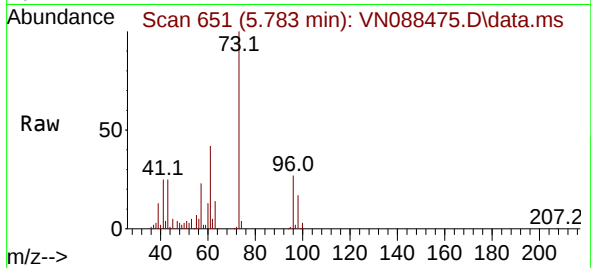




#19
Methyl tert-butyl Ether
Concen: 23.184 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

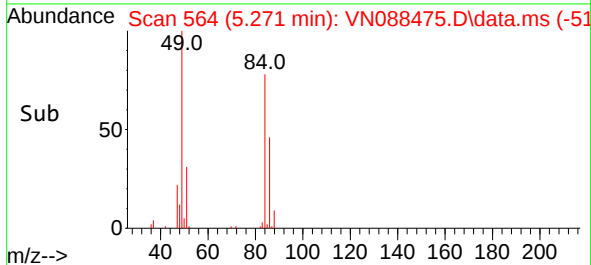
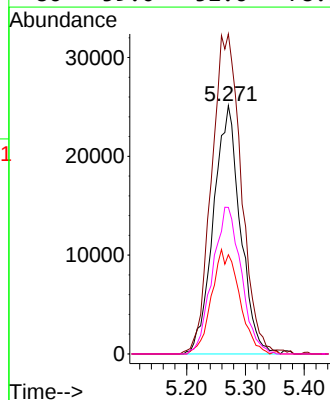
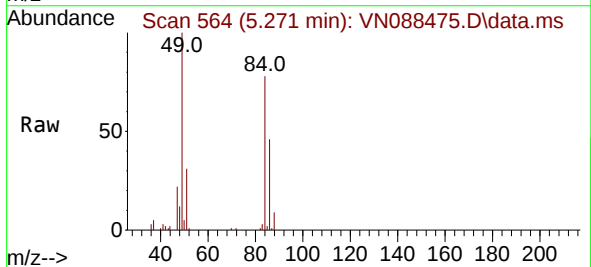
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

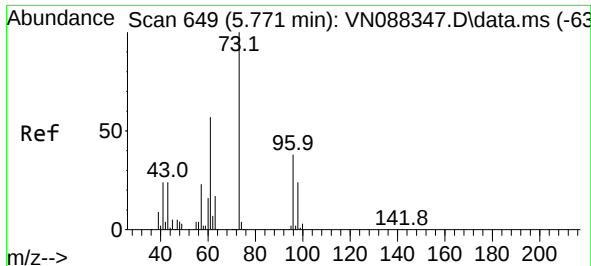
Tgt Ion: 73 Resp: 263754
Ion Ratio Lower Upper
73 100
57 23.0 18.6 28.0



#20
Methylene Chloride
Concen: 22.067 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 84 Resp: 80054
Ion Ratio Lower Upper
84 100
49 128.8 110.2 165.2
51 40.0 34.1 51.1
86 59.0 52.6 78.8

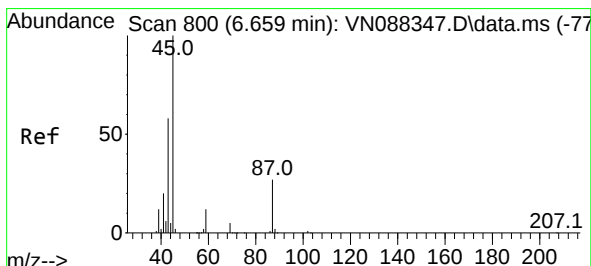
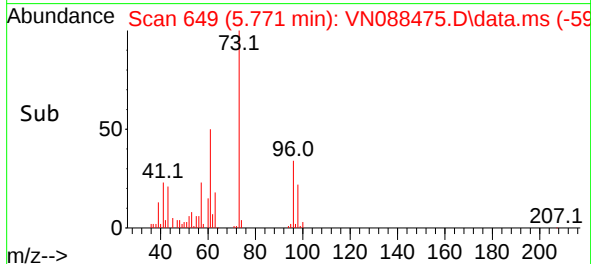
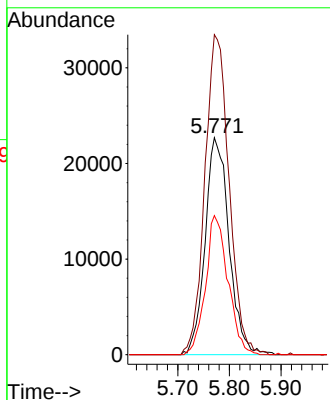
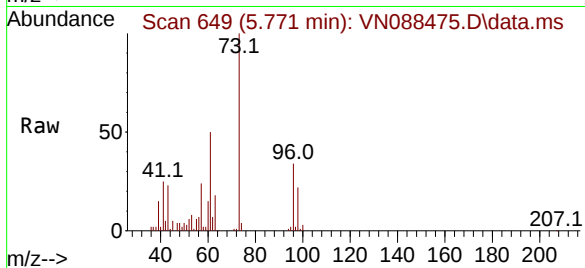




#21
trans-1,2-Dichloroethene
Concen: 21.682 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

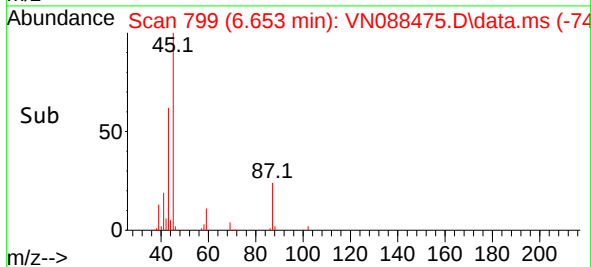
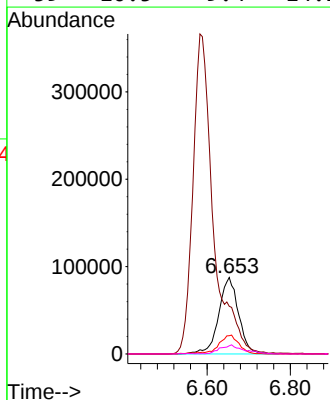
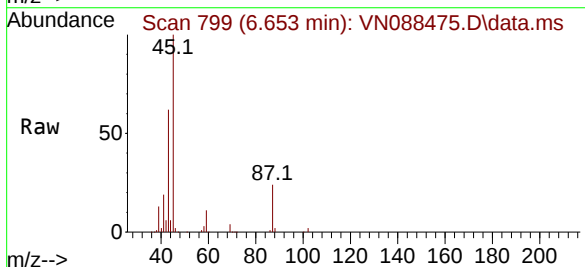
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

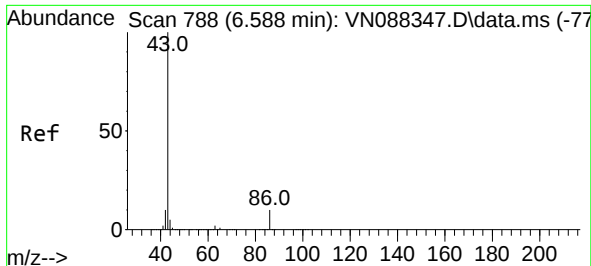
Tgt Ion: 96 Resp: 72931
Ion Ratio Lower Upper
96 100
61 147.5 122.4 183.6
98 64.1 50.9 76.3



#22
Diisopropyl ether
Concen: 24.097 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 45 Resp: 289537
Ion Ratio Lower Upper
45 100
43 61.2 47.4 71.2
87 23.9 21.9 32.9
59 10.5 9.4 14.2

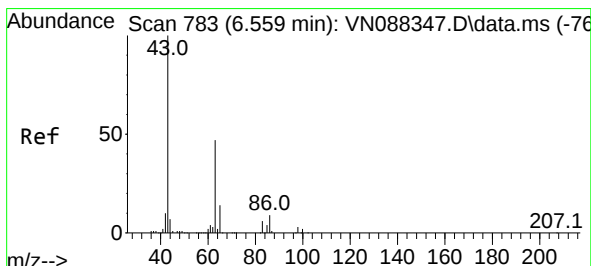
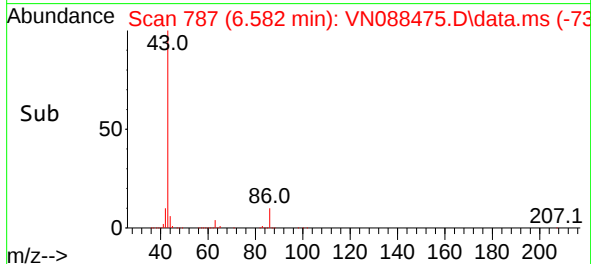
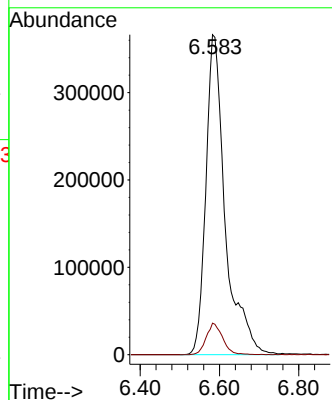
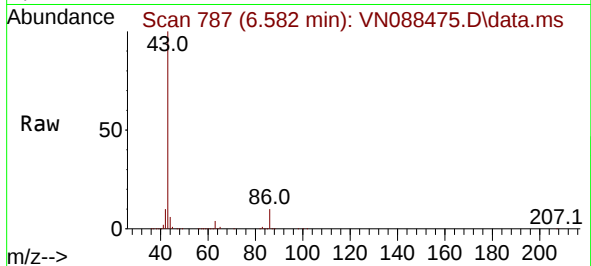




#23
 Vinyl Acetate
 Concen: 128.404 ug/l
 RT: 6.582 min Scan# 787
 Delta R.T. -0.006 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

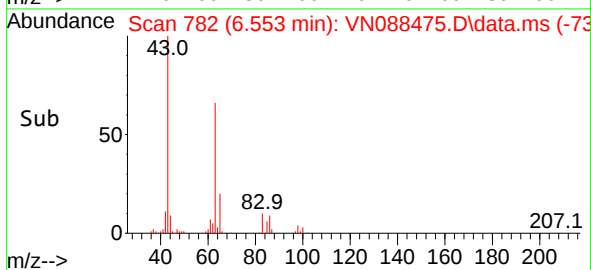
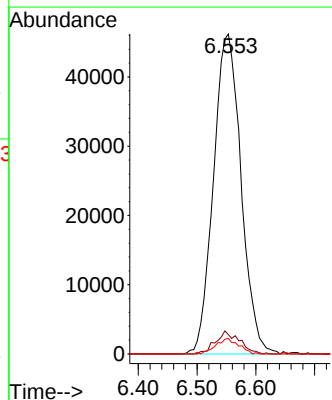
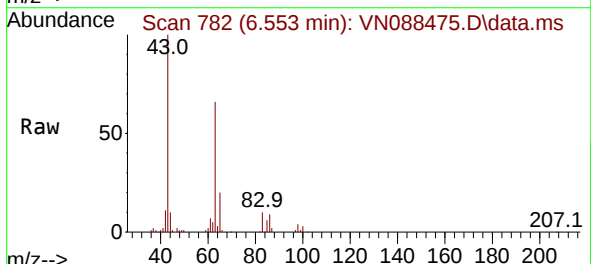
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBS01

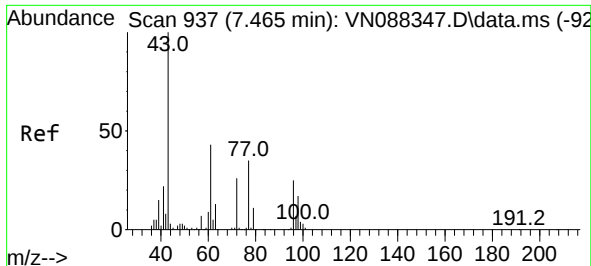
Tgt Ion: 43 Resp: 1243057
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 22.133 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. -0.006 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

Tgt Ion: 63 Resp: 150607
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.9 1.9 5.7

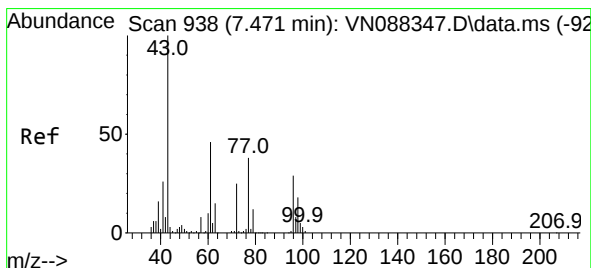
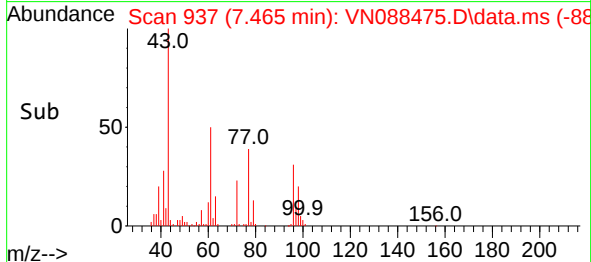
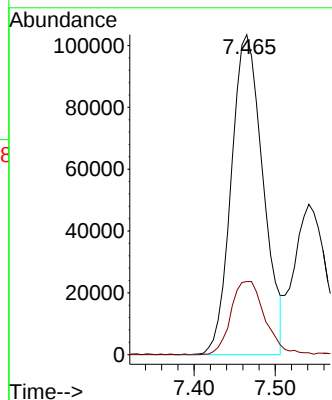
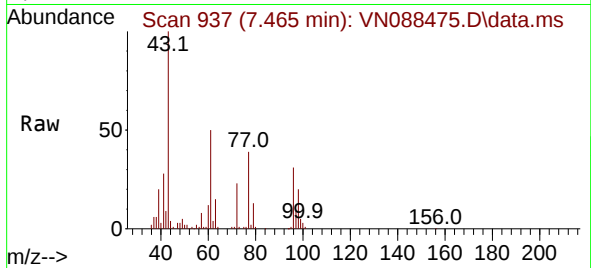




#25
2-Butanone
Concen: 103.383 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

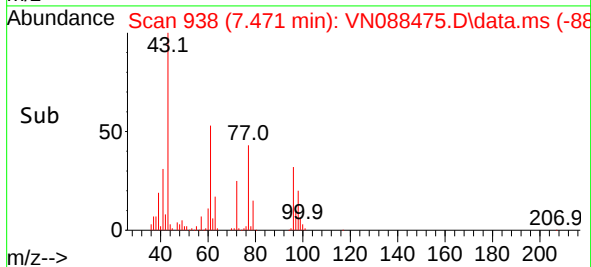
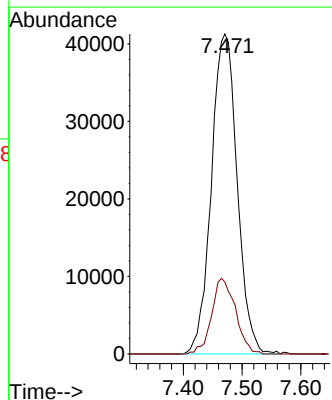
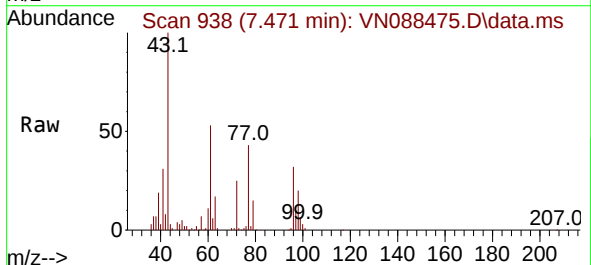
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

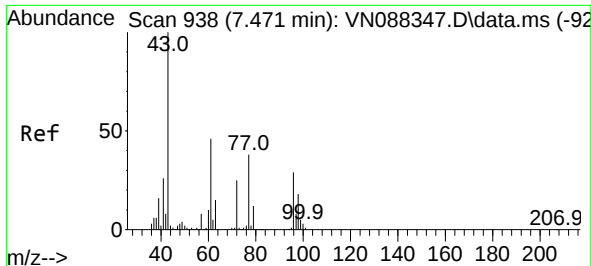
Tgt Ion: 43 Resp: 281816
Ion Ratio Lower Upper
43 100
72 22.9 20.5 30.7



#26
2,2-Dichloropropane
Concen: 21.436 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 77 Resp: 125899
Ion Ratio Lower Upper
77 100
97 21.8 10.3 30.9

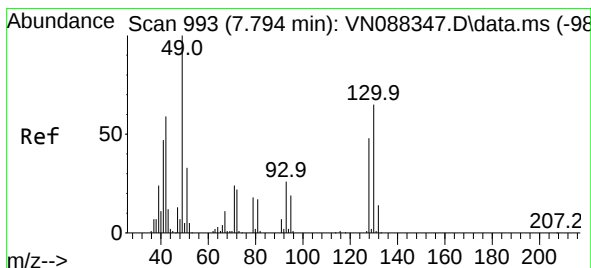
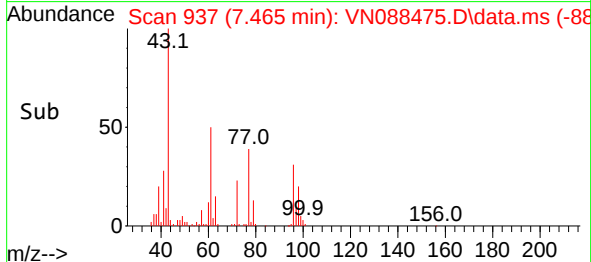
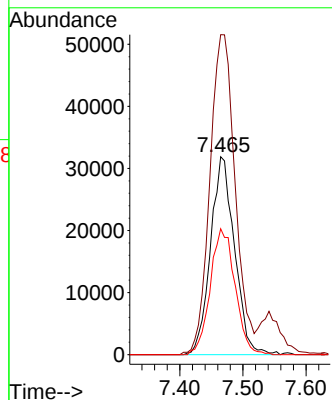
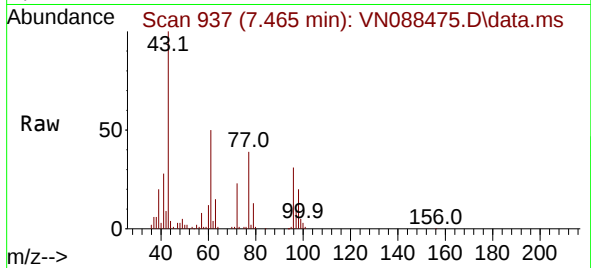




#27
 cis-1,2-Dichloroethene
 Concen: 21.581 ug/l
 RT: 7.465 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

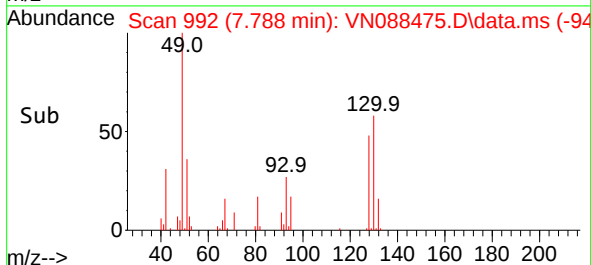
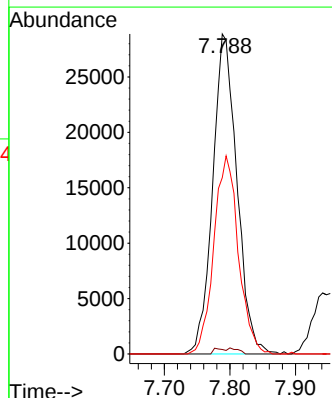
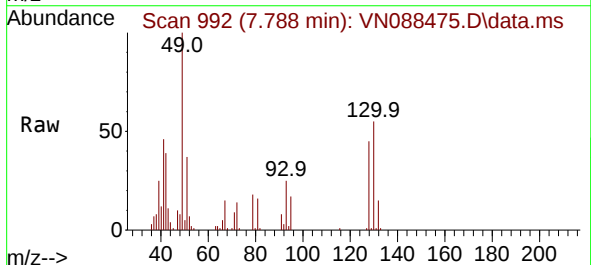
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBSD01

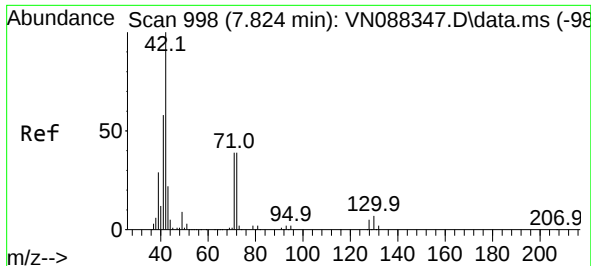
Tgt Ion: 96 Resp: 84362
 Ion Ratio Lower Upper
 96 100
 61 169.7 0.0 323.6
 98 65.7 0.0 127.2



#28
 Bromochloromethane
 Concen: 21.874 ug/l
 RT: 7.788 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

Tgt Ion: 49 Resp: 74145
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.6
 130 62.6 51.1 76.7





#29

Tetrahydrofuran

Concen: 107.548 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBSD01

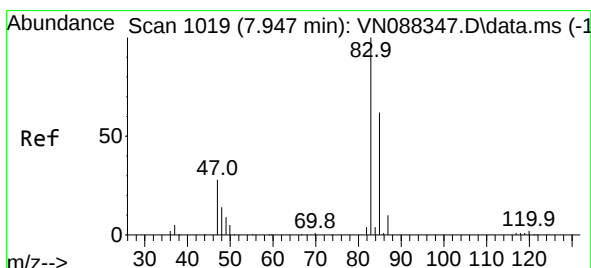
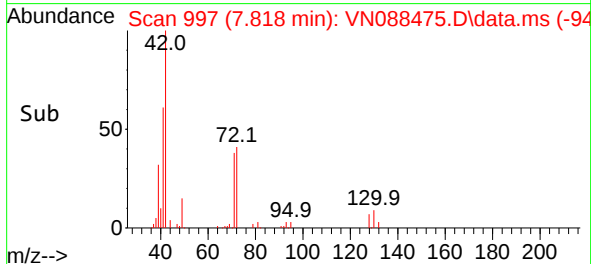
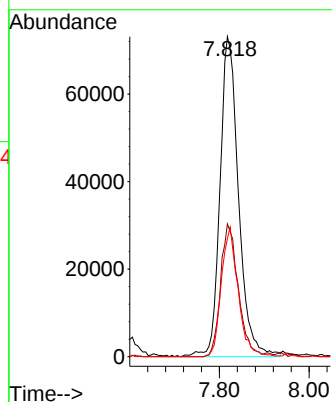
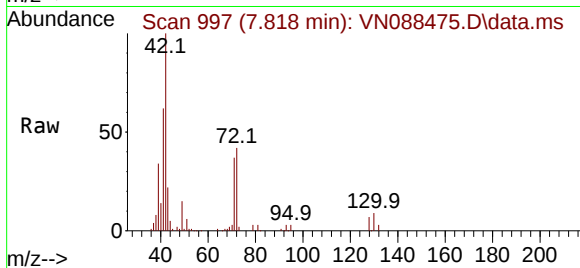
Tgt Ion: 42 Resp: 210281

Ion Ratio Lower Upper

42 100

72 39.3 32.2 48.4

71 36.7 31.1 46.7



#30

Chloroform

Concen: 23.578 ug/l

RT: 7.941 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VN088475.D

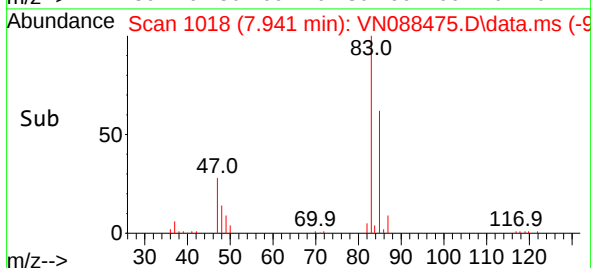
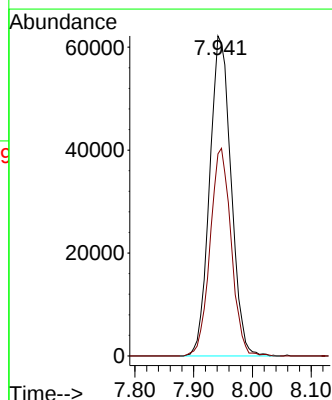
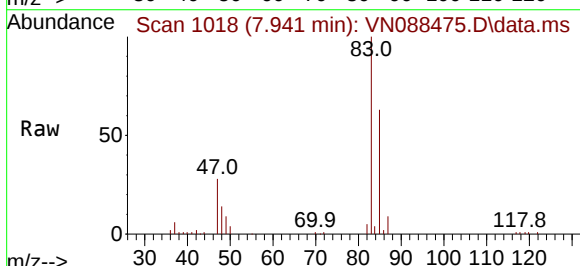
Acq: 09 Dec 2025 13:25

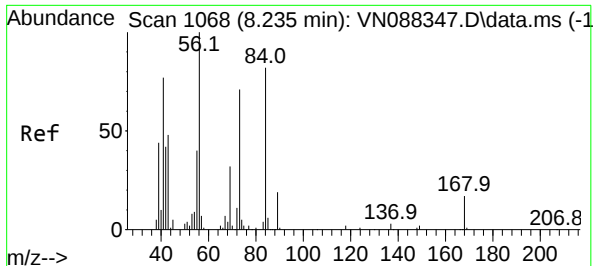
Tgt Ion: 83 Resp: 157648

Ion Ratio Lower Upper

83 100

85 63.1 49.8 74.8

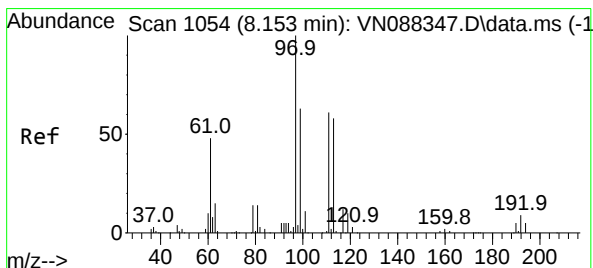
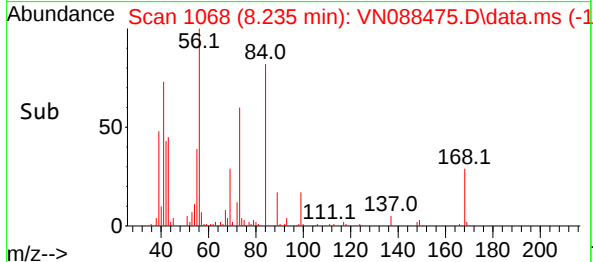
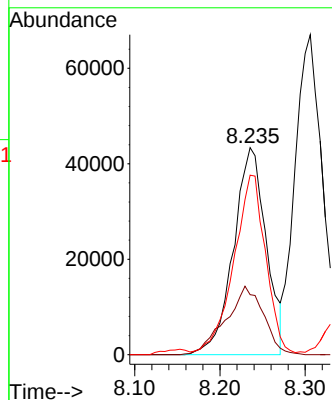
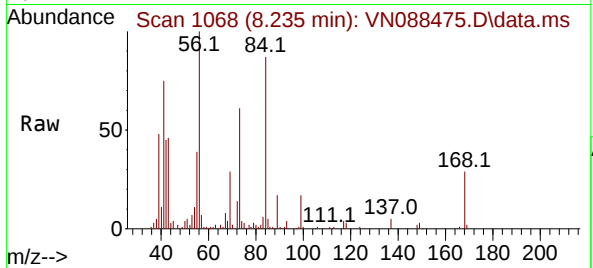




#31
Cyclohexane
Concen: 18.790 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

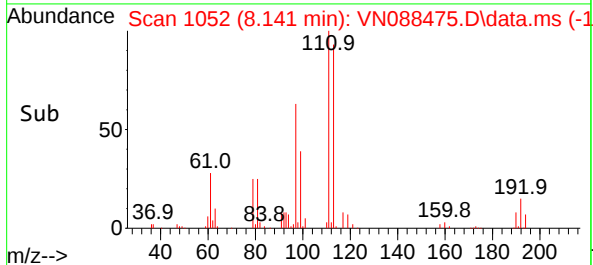
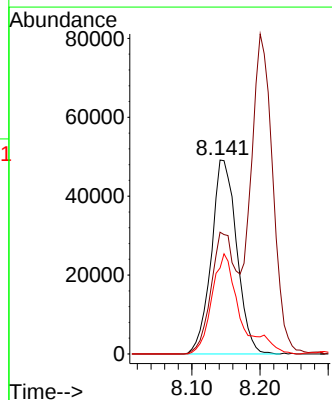
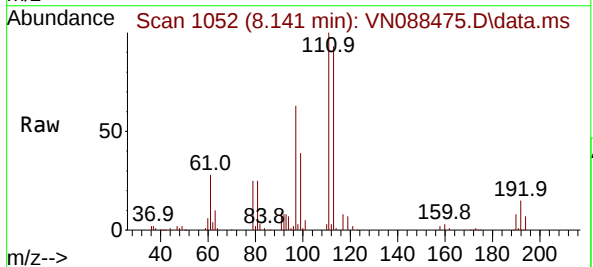
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

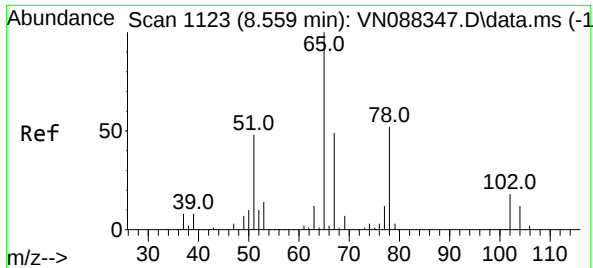
Tgt Ion: 56 Resp: 115861
Ion Ratio Lower Upper
56 100
69 29.0 25.3 37.9
84 84.1 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 21.645 ug/l
RT: 8.141 min Scan# 1052
Delta R.T. -0.012 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 97 Resp: 127245
Ion Ratio Lower Upper
97 100
99 62.0 50.8 76.2
61 56.8 42.2 63.2

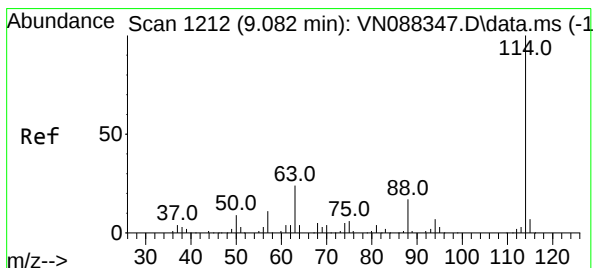
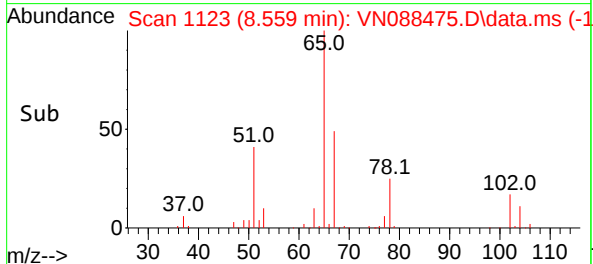
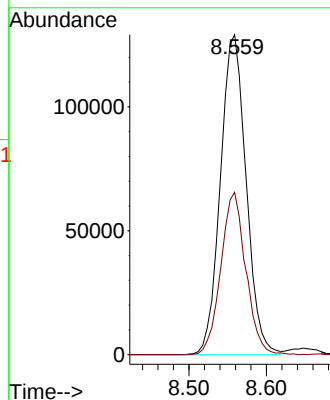
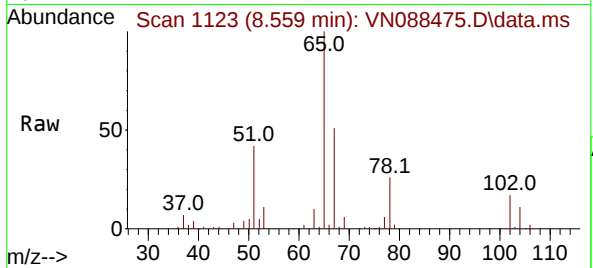




#33
1,2-Dichloroethane-d4
Concen: 63.520 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

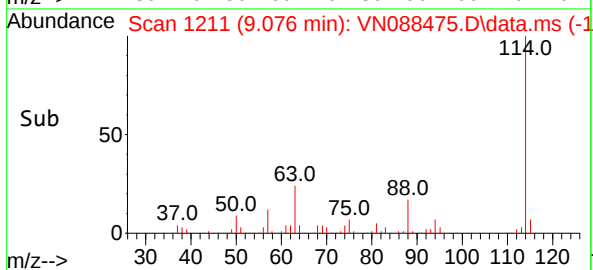
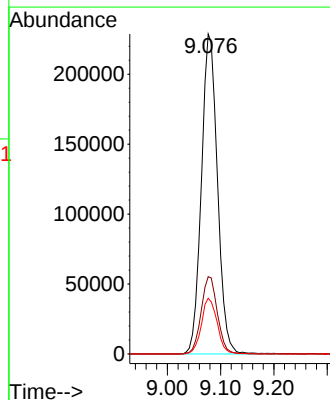
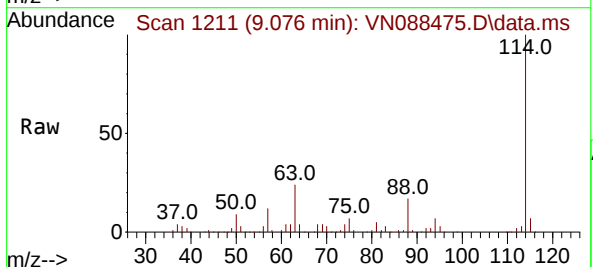
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

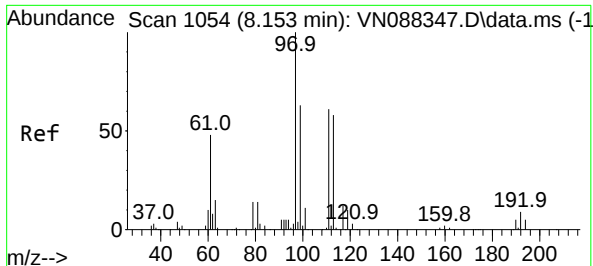
Tgt Ion: 65 Resp: 297817
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.076 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 114 Resp: 479217
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.0
88 17.4 0.0 34.0





#35

Dibromofluoromethane

Concen: 56.639 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

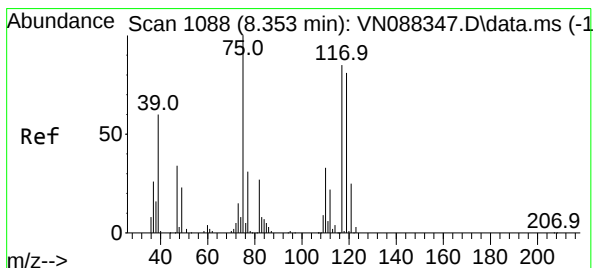
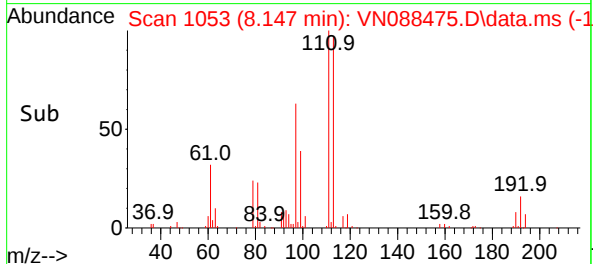
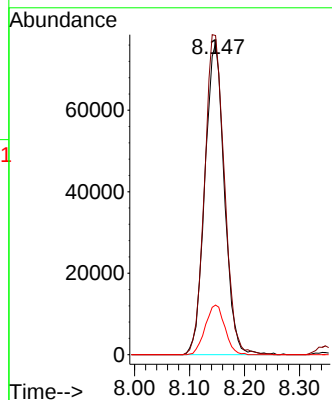
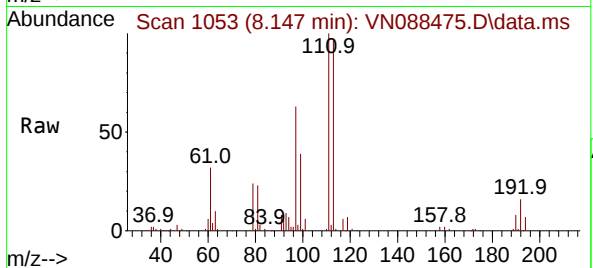
Tgt Ion:113 Resp: 188096

Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 16.0 12.8 19.2



#36

1,1-Dichloropropene

Concen: 18.860 ug/l

RT: 8.347 min Scan# 1087

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

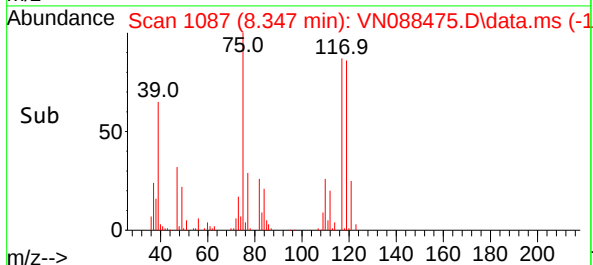
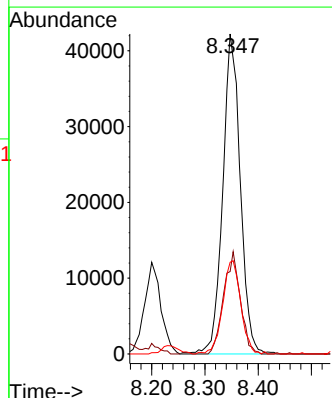
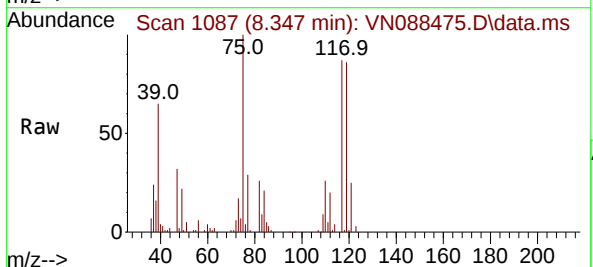
Tgt Ion: 75 Resp: 96661

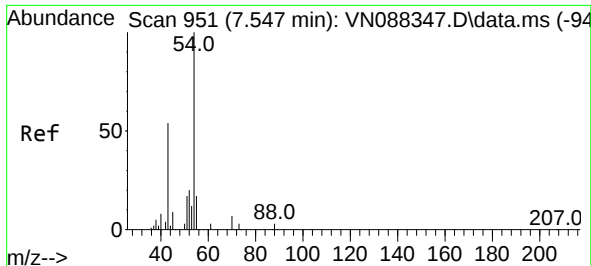
Ion Ratio Lower Upper

75 100

110 30.4 15.8 47.4

77 30.0 24.2 36.2

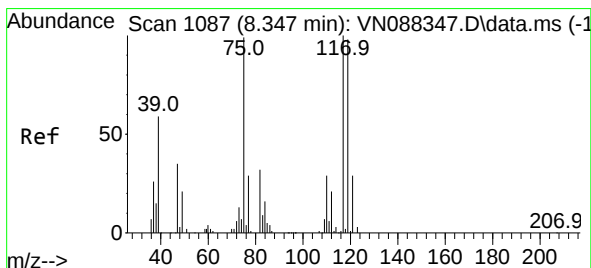
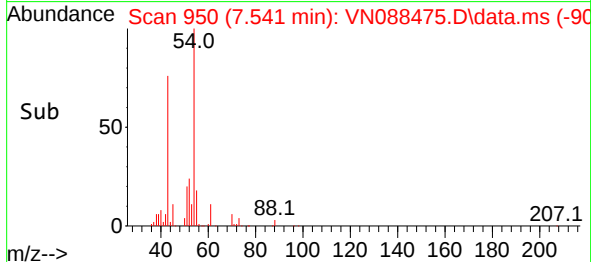
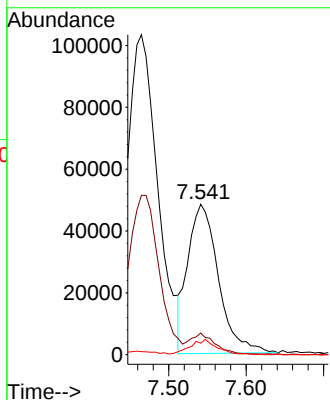
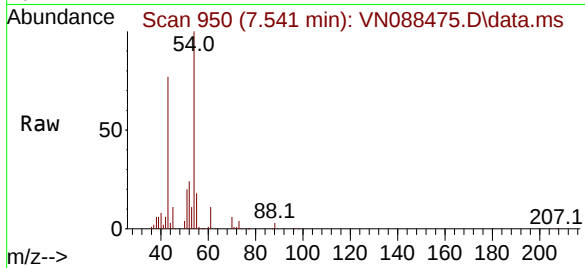




#37
Ethyl Acetate
Concen: 19.732 ug/l
RT: 7.541 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

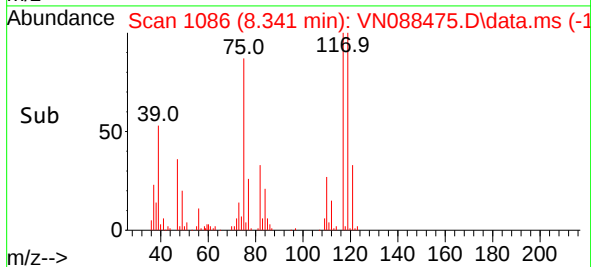
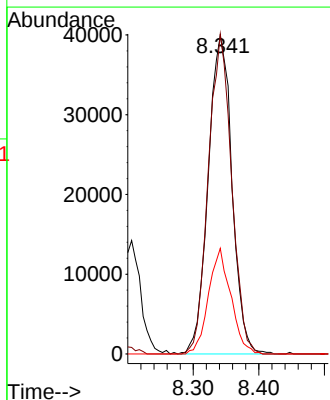
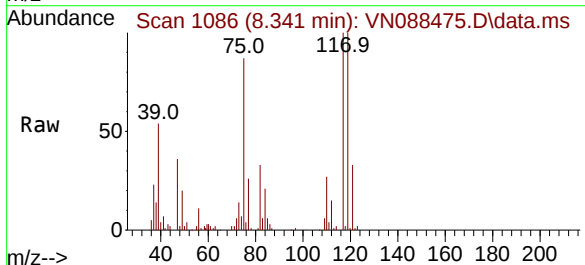
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

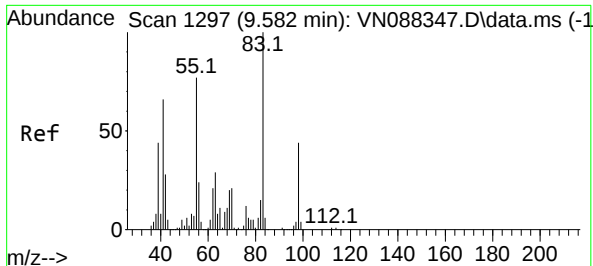
Tgt Ion: 43 Resp: 132976
Ion Ratio Lower Upper
43 100
61 11.3 9.5 14.3
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.736 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 117 Resp: 100696
Ion Ratio Lower Upper
117 100
119 100.5 78.2 117.4
121 33.2 23.4 35.2





#39

Methylcyclohexane

Concen: 16.502 ug/l

RT: 9.576 min Scan# 11296

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBSD01

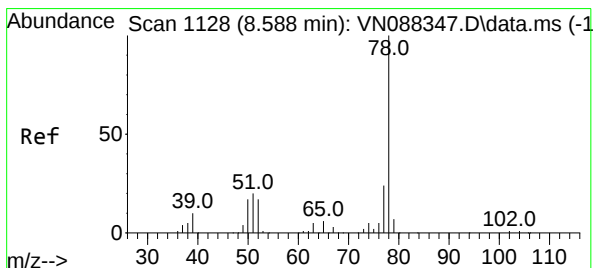
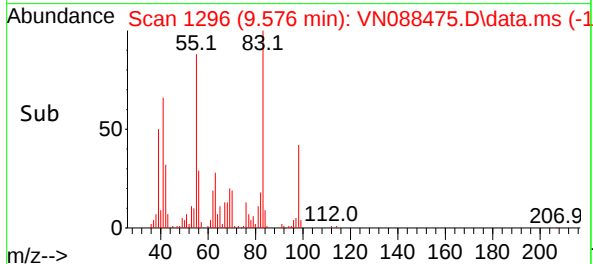
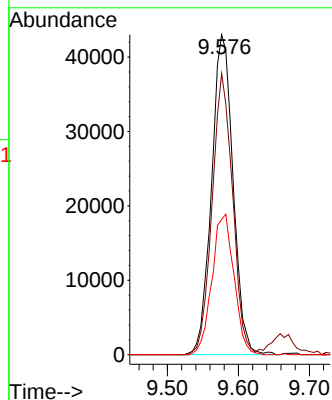
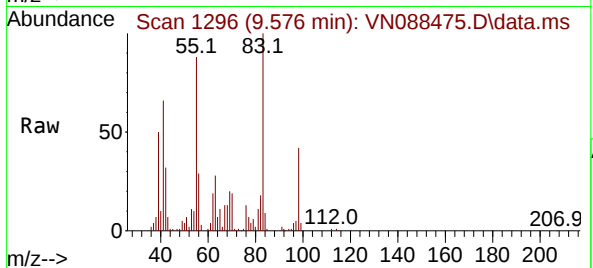
Tgt Ion: 83 Resp: 90466

Ion Ratio Lower Upper

83 100

55 87.9 61.6 92.4

98 42.3 35.3 52.9



#40

Benzene

Concen: 20.620 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN088475.D

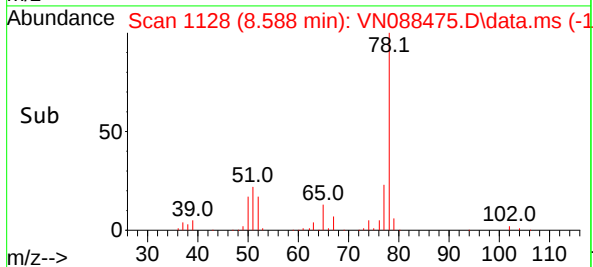
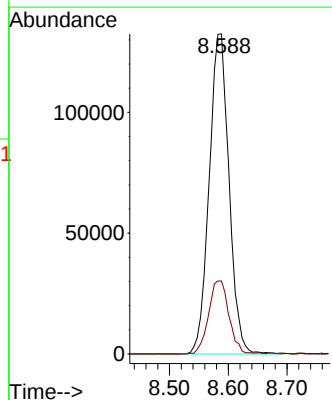
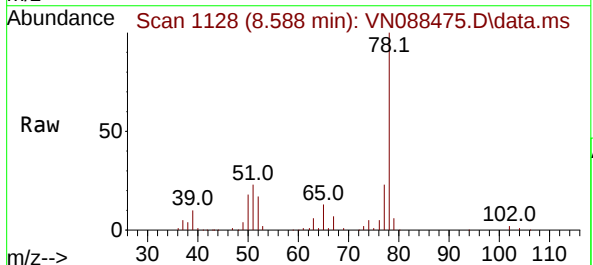
Acq: 09 Dec 2025 13:25

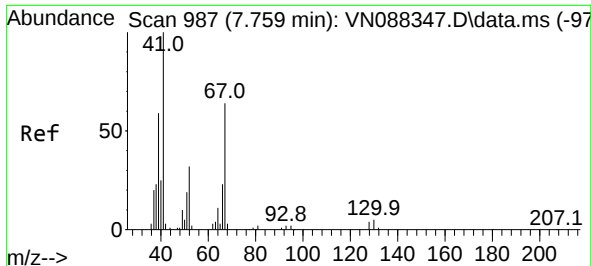
Tgt Ion: 78 Resp: 310175

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.4

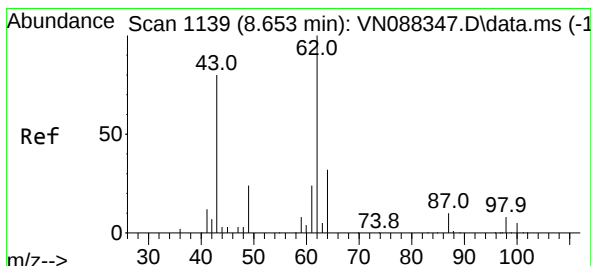
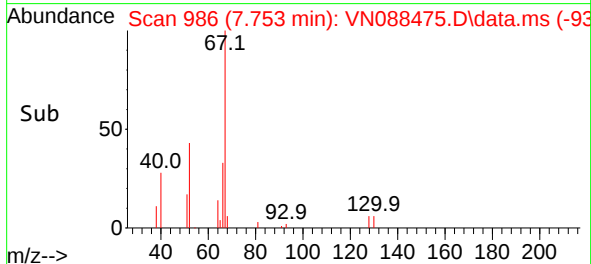
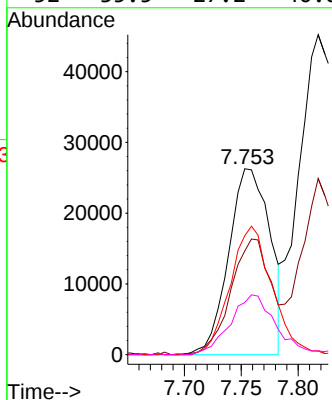
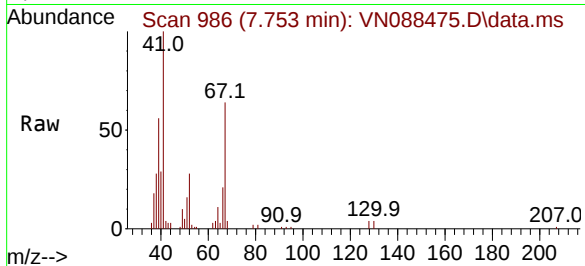




#41
Methacrylonitrile
Concen: 19.911 ug/l
RT: 7.753 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

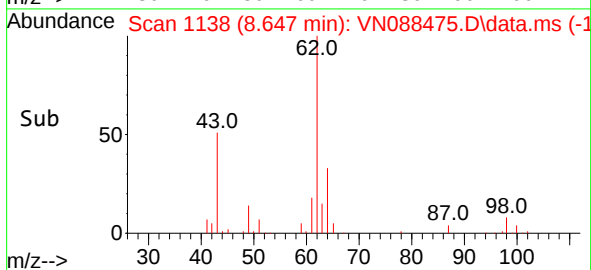
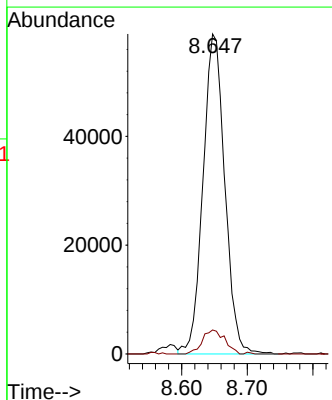
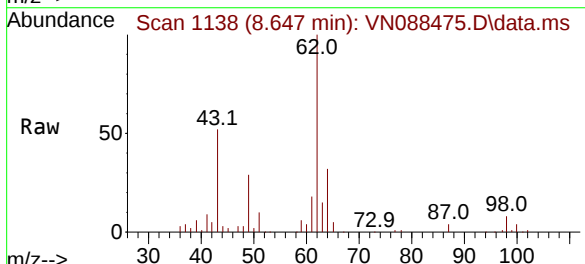
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

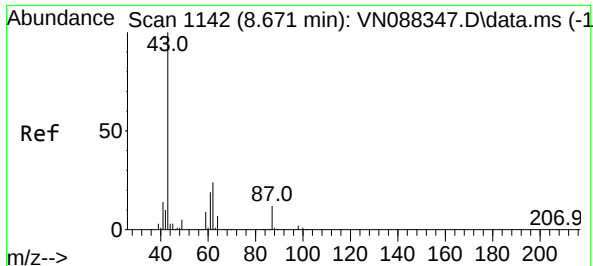
Tgt Ion:	41	Resp:	66461
Ion	Ratio	Lower	Upper
41	100		
39	59.5	46.3	69.5
67	70.2	54.7	82.1
52	35.5	27.2	40.8



#42
1,2-Dichloroethane
Concen: 23.702 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:	62	Resp:	136030
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.2

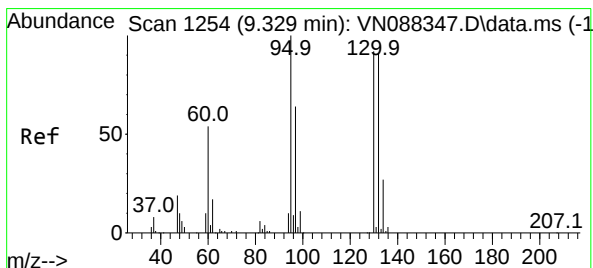
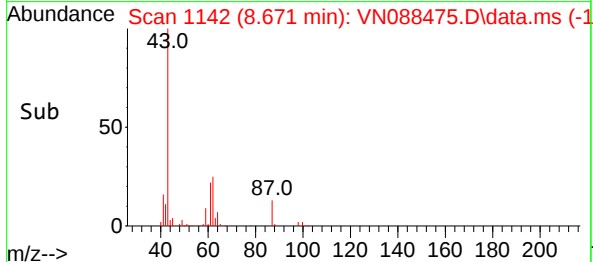
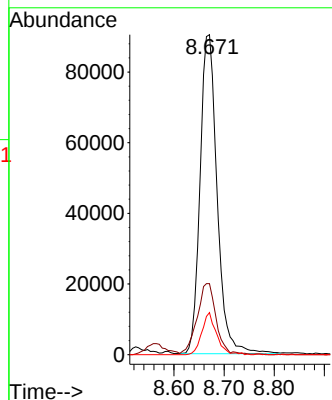
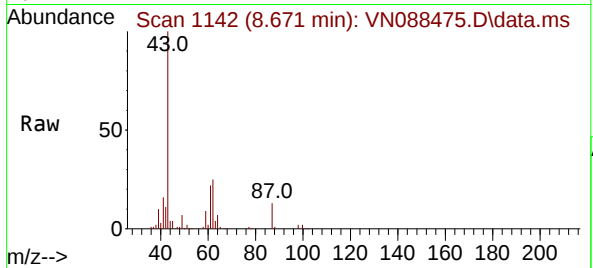




#43
Isopropyl Acetate
Concen: 20.740 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

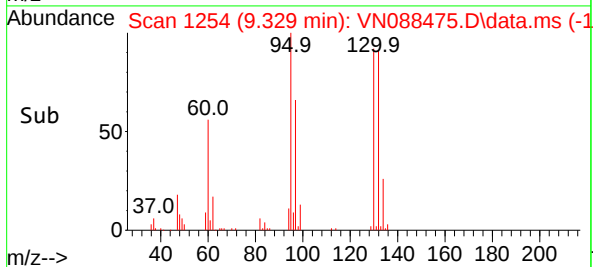
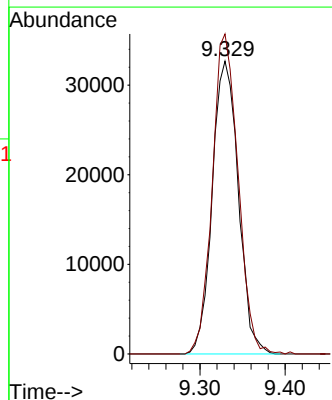
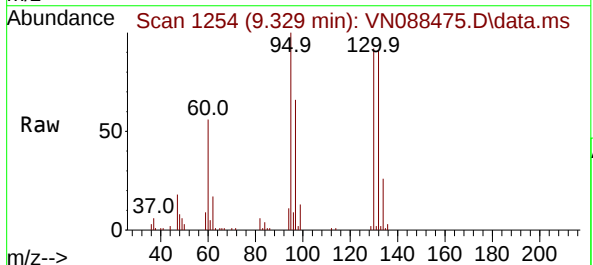
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

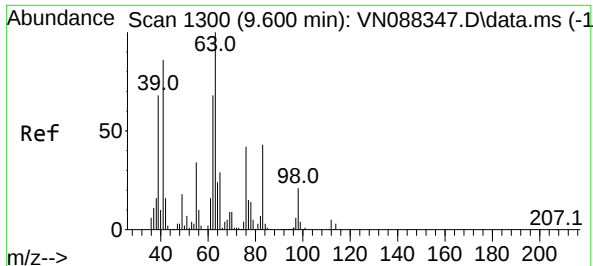
Tgt Ion: 43 Resp: 213553
Ion Ratio Lower Upper
43 100
61 24.5 18.7 28.1
87 11.4 9.1 13.7



#44
Trichloroethene
Concen: 19.536 ug/l
RT: 9.329 min Scan# 1254
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:130 Resp: 69437
Ion Ratio Lower Upper
130 100
95 109.3 0.0 217.0





#45

1,2-Dichloropropane

Concen: 22.086 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

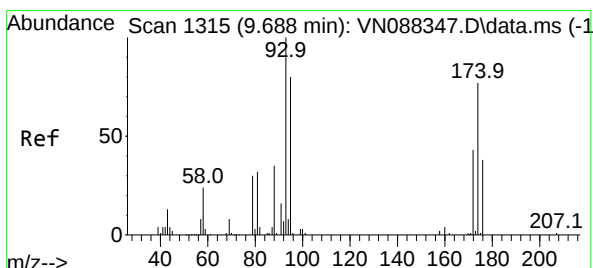
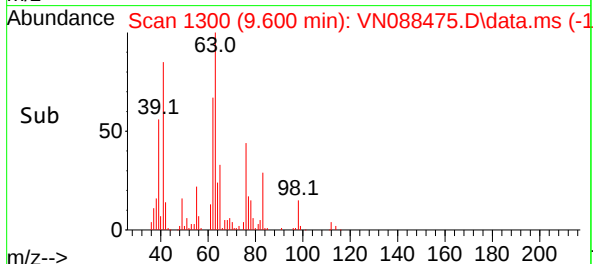
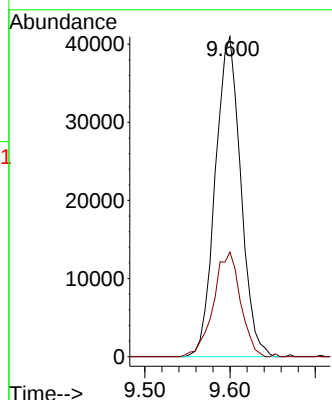
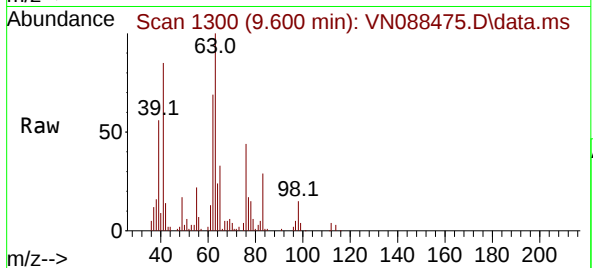
VN1209MBSD01

Tgt Ion: 63 Resp: 85120

Ion Ratio Lower Upper

63 100

65 32.7 23.0 34.4



#46

Dibromomethane

Concen: 22.148 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

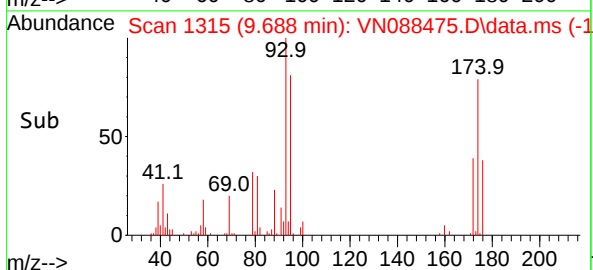
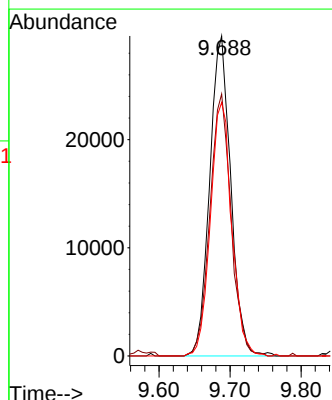
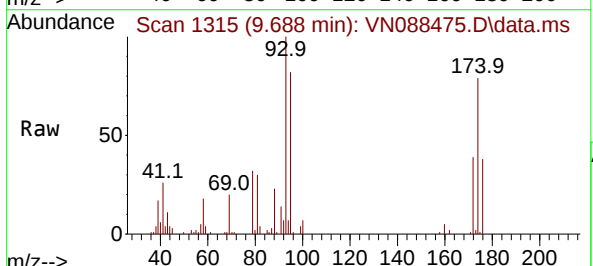
Tgt Ion: 93 Resp: 60918

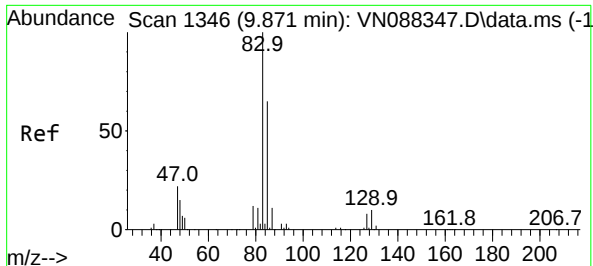
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.6

174 80.1 64.3 96.5





#47

Bromodichloromethane

Concen: 22.692 ug/l

RT: 9.865 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

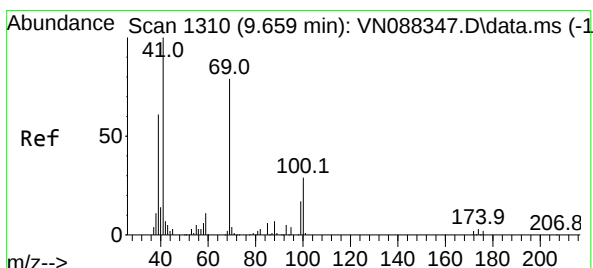
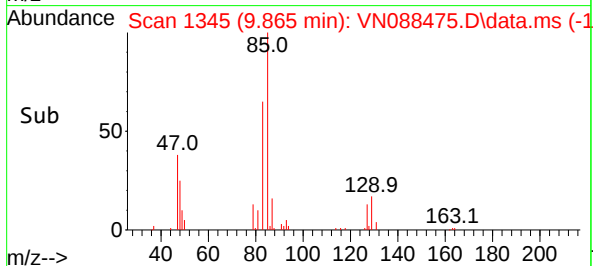
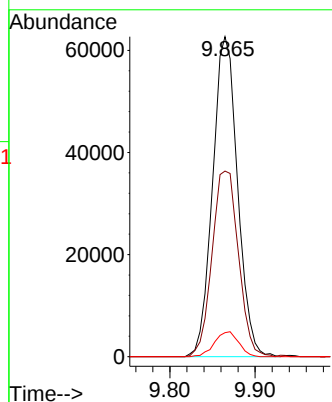
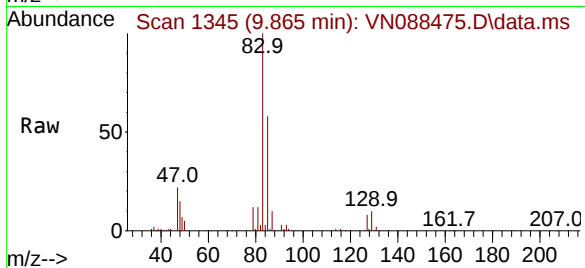
Tgt Ion: 83 Resp: 127350

Ion Ratio Lower Upper

83 100

85 58.0 51.9 77.9

127 7.5 6.3 9.5



#48

Methyl methacrylate

Concen: 20.894 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

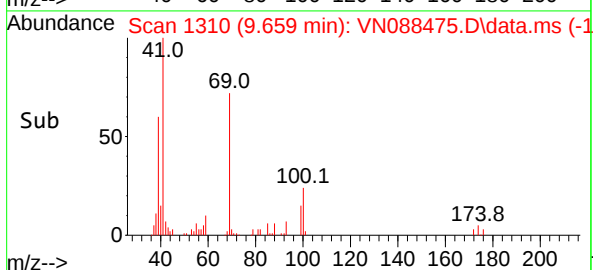
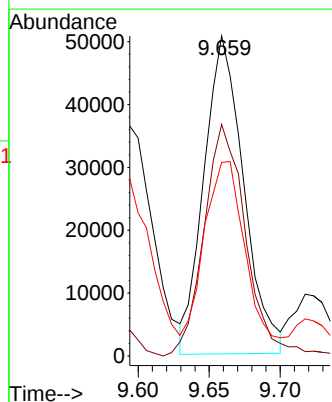
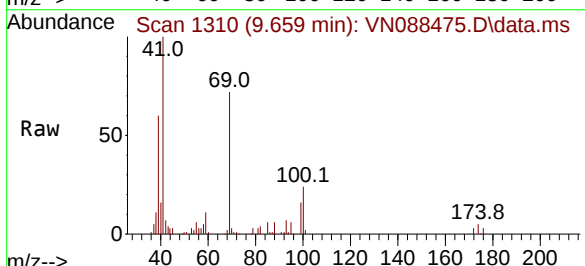
Tgt Ion: 41 Resp: 98158

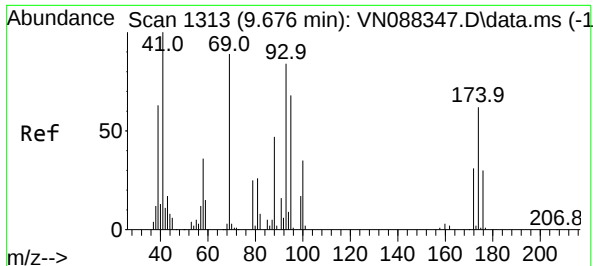
Ion Ratio Lower Upper

41 100

69 77.6 62.4 93.6

39 65.2 52.6 79.0





#49

1,4-Dioxane

Concen: 366.014 ug/l

RT: 9.676 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

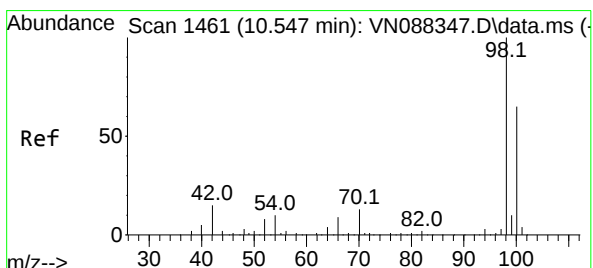
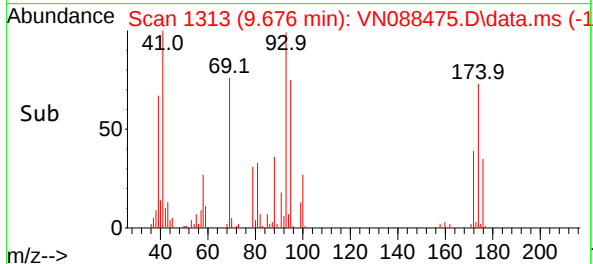
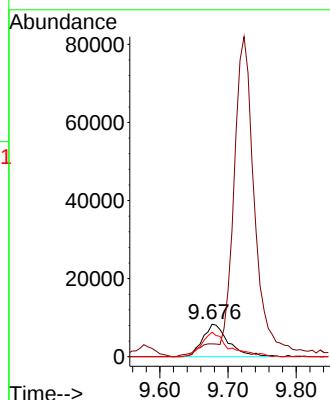
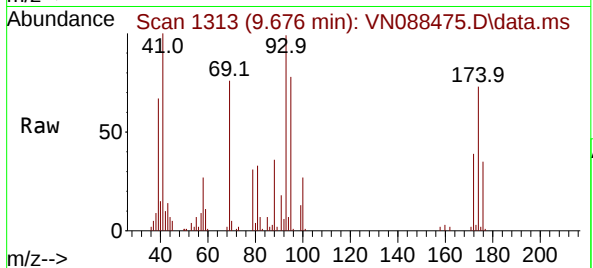
Tgt Ion: 88 Resp: 21868

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 78.6 62.0 93.0



#50

Toluene-d8

Concen: 53.919 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088475.D

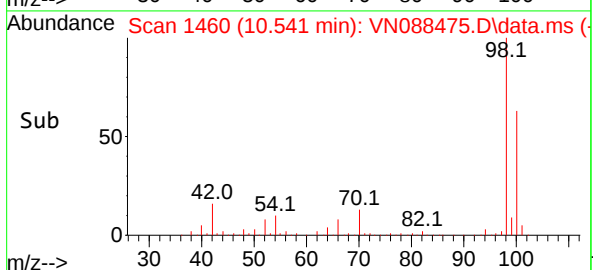
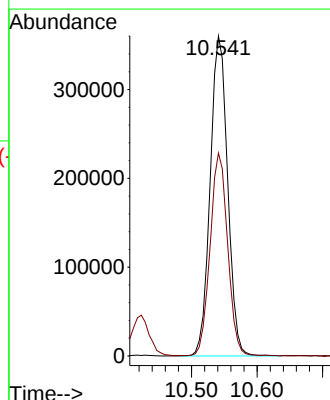
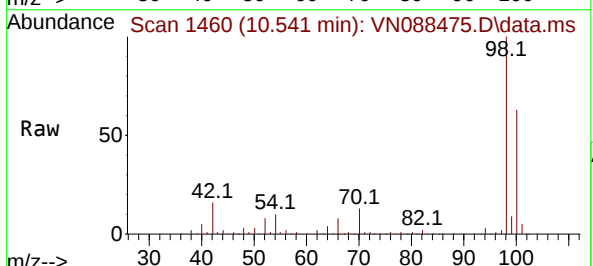
Acq: 09 Dec 2025 13:25

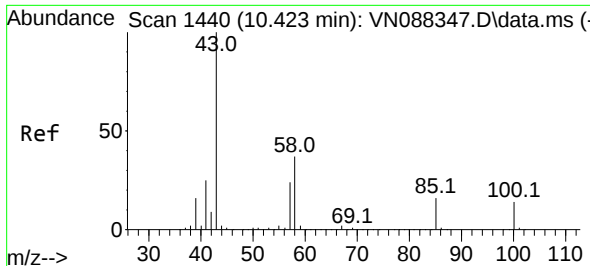
Tgt Ion: 98 Resp: 666247

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.2

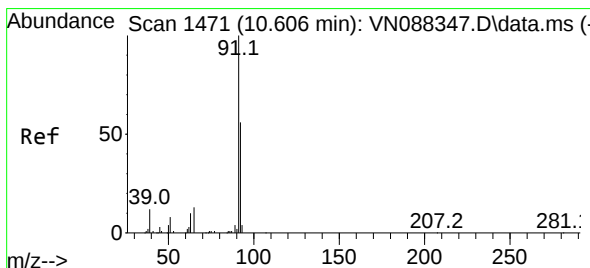
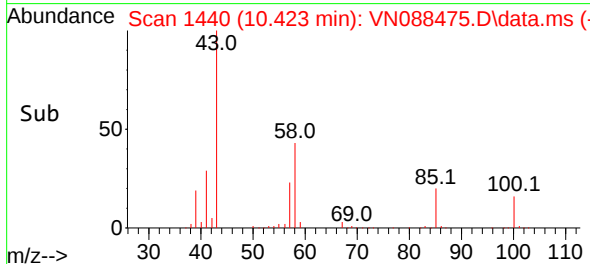
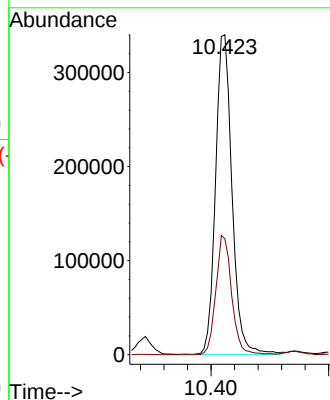
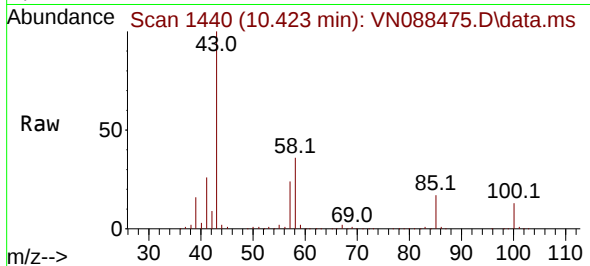




#51
4-Methyl-2-Pentanone
Concen: 108.862 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

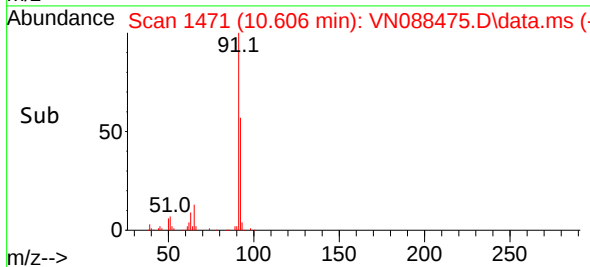
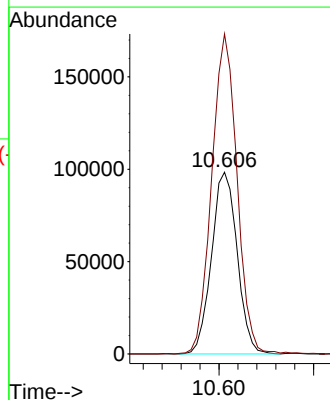
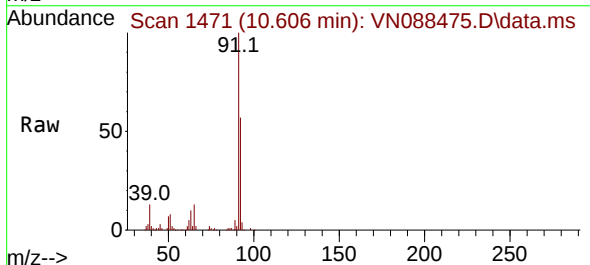
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

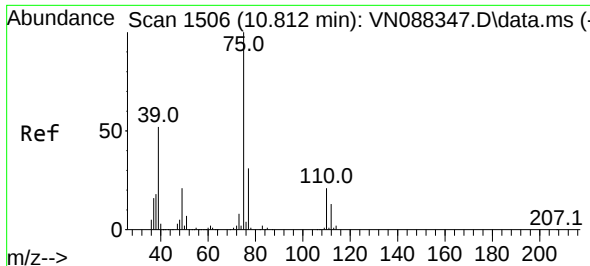
Tgt Ion: 43 Resp: 660700
Ion Ratio Lower Upper
43 100
58 35.8 29.1 43.7



#52
Toluene
Concen: 21.296 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 92 Resp: 184974
Ion Ratio Lower Upper
92 100
91 174.2 140.2 210.2

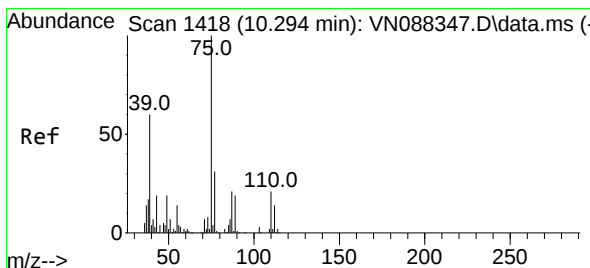
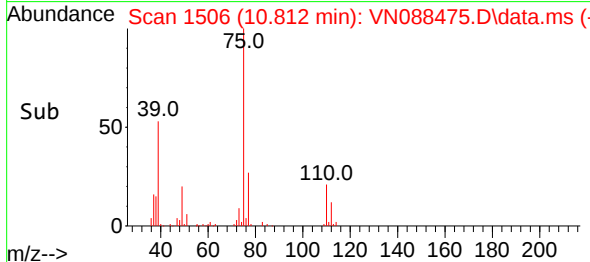
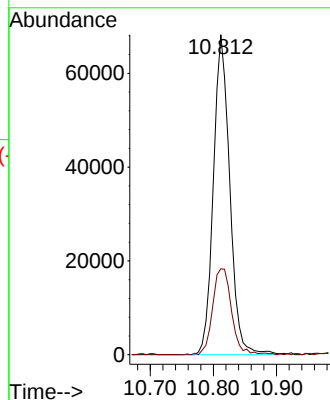
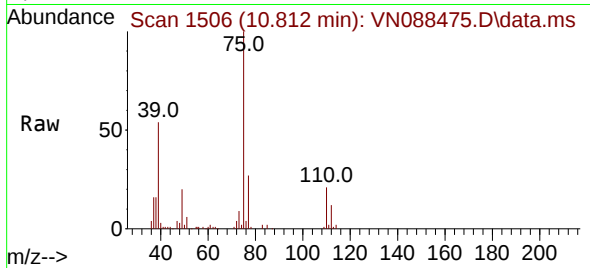




#53
t-1,3-Dichloropropene
Concen: 21.332 ug/l
RT: 10.812 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

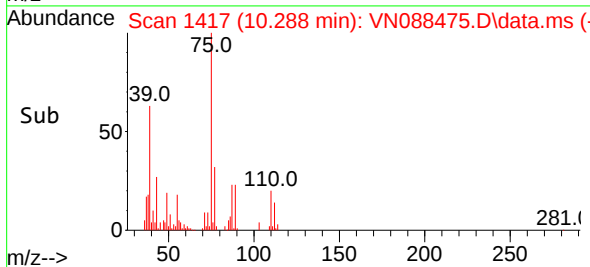
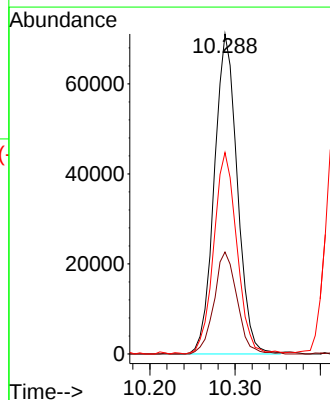
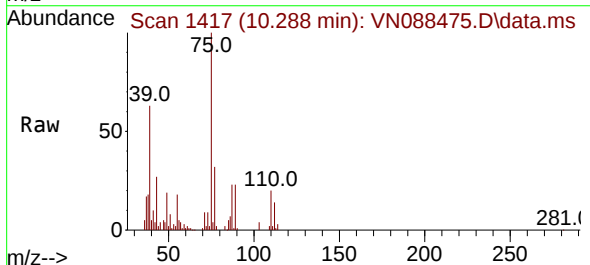
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

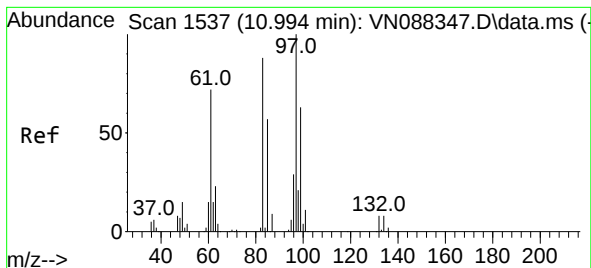
Tgt Ion: 75 Resp: 122884
Ion Ratio Lower Upper
75 100
77 26.9 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 21.994 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 75 Resp: 133239
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7
39 62.7 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 22.347 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBSD01

Tgt Ion: 97 Resp: 75099

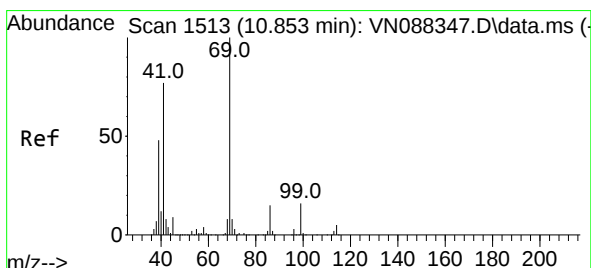
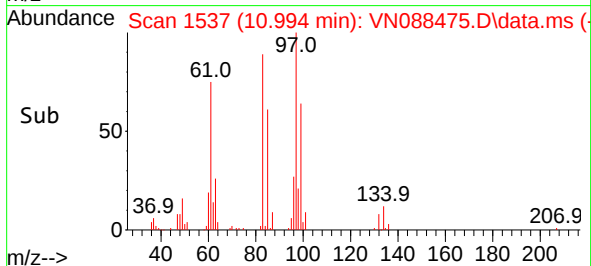
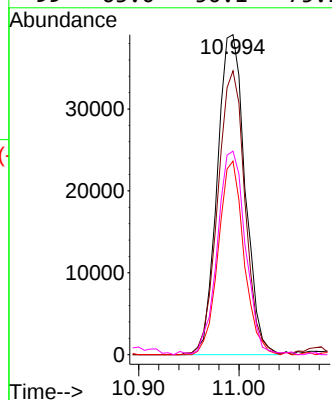
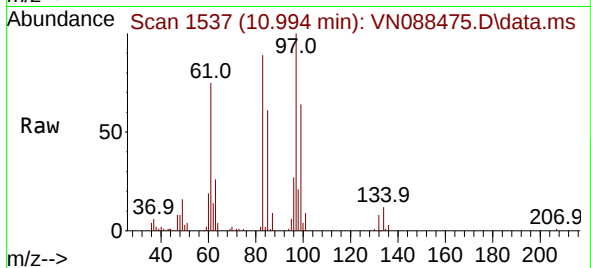
Ion Ratio Lower Upper

97 100

83 88.7 70.4 105.6

85 60.5 45.4 68.2

99 63.0 50.1 75.1



#56

Ethyl methacrylate

Concen: 21.758 ug/l

RT: 10.853 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

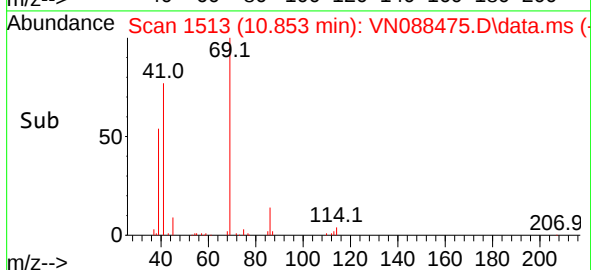
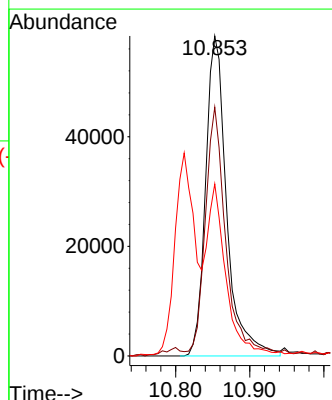
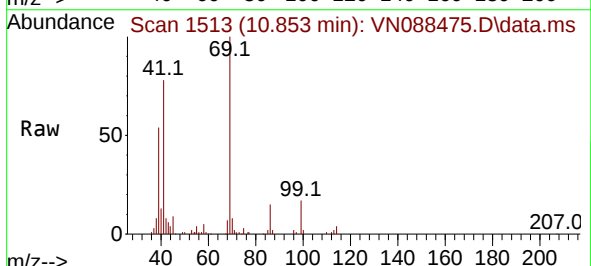
Tgt Ion: 69 Resp: 115502

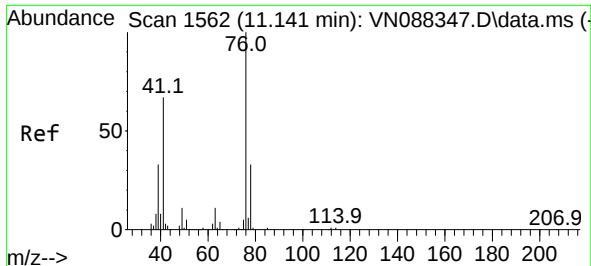
Ion Ratio Lower Upper

69 100

41 73.5 59.6 89.4

39 46.6 36.4 54.6

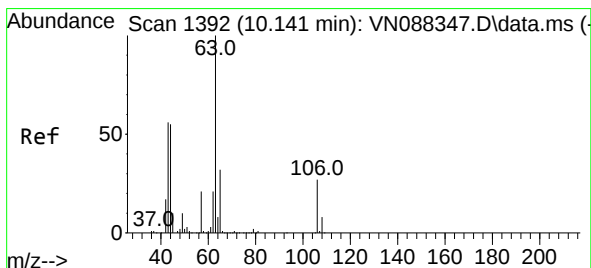
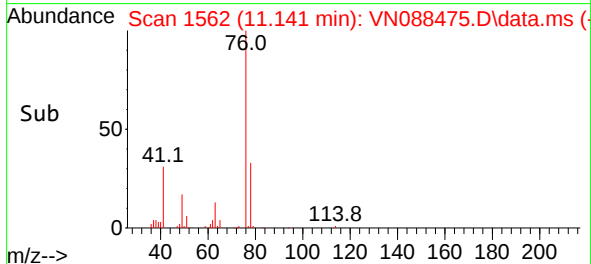
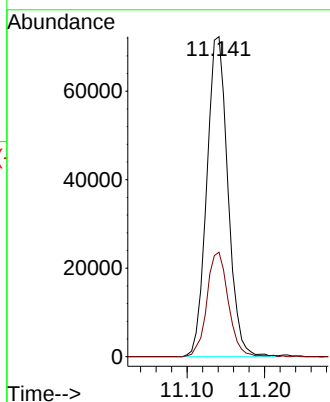
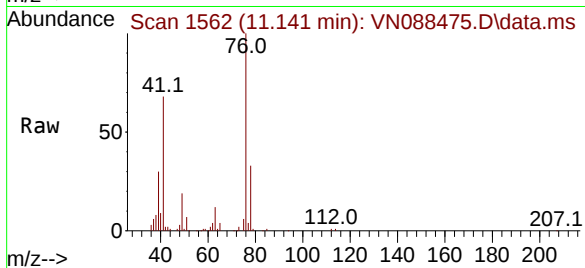




#57
1,3-Dichloropropane
Concen: 22.575 ug/l
RT: 11.141 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

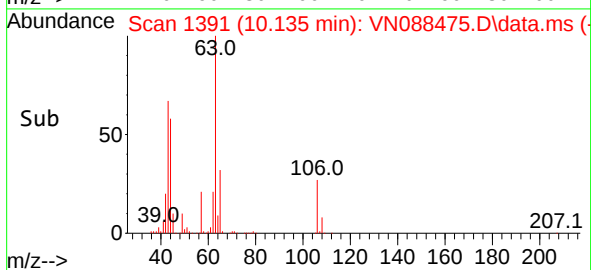
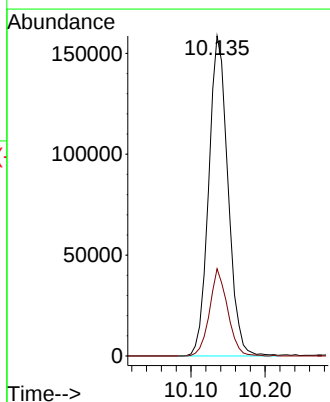
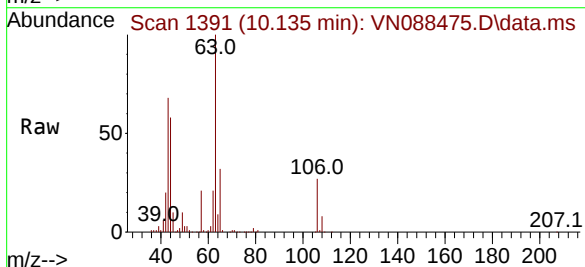
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

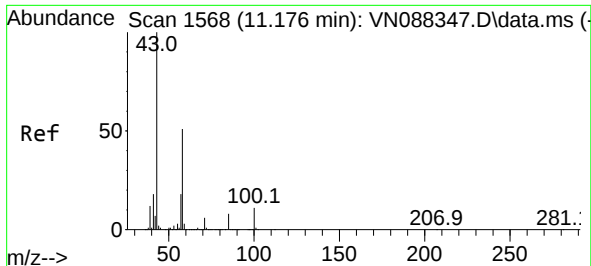
Tgt Ion: 76 Resp: 136861
Ion Ratio Lower Upper
76 100
78 33.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 93.561 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 63 Resp: 286335
Ion Ratio Lower Upper
63 100
106 25.5 20.5 30.7

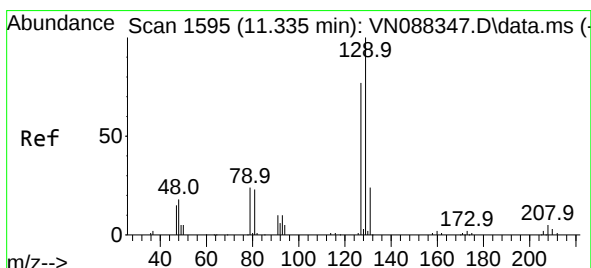
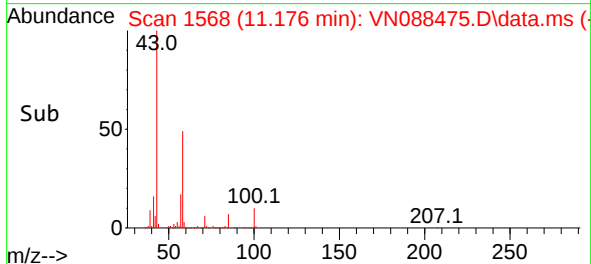
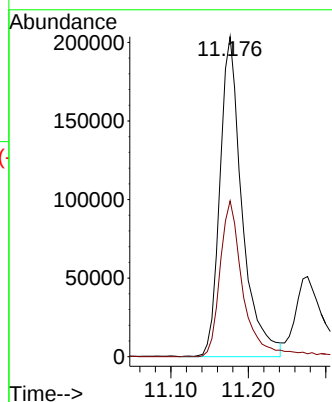
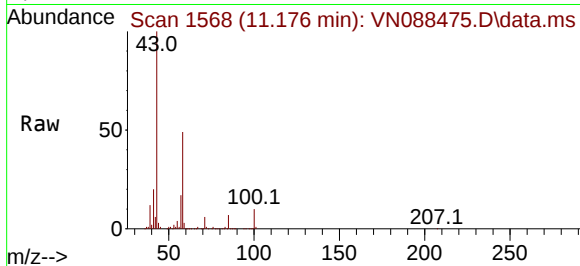




#59
2-Hexanone
Concen: 106.047 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

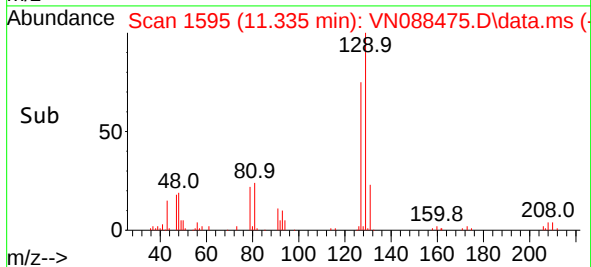
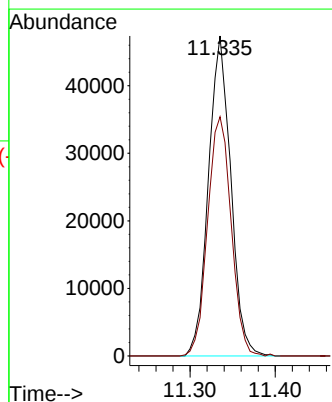
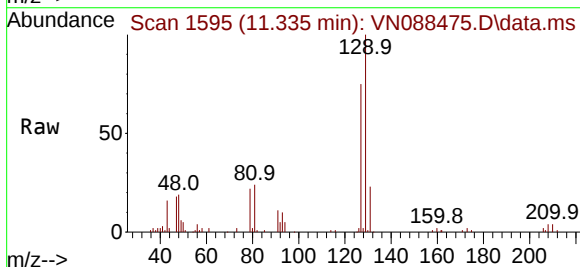
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

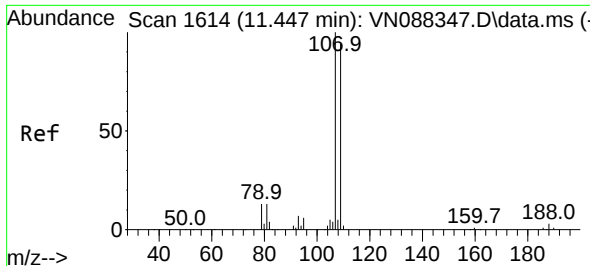
Tgt Ion: 43 Resp: 405447
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.9



#60
Dibromochloromethane
Concen: 22.481 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 129 Resp: 86126
Ion Ratio Lower Upper
129 100
127 78.7 38.2 114.6

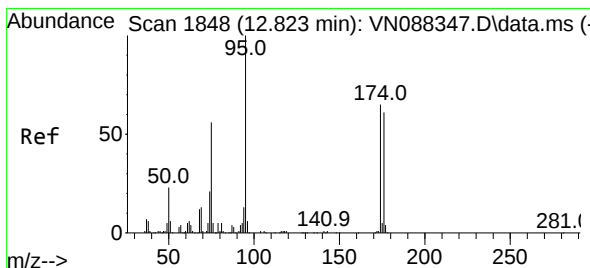
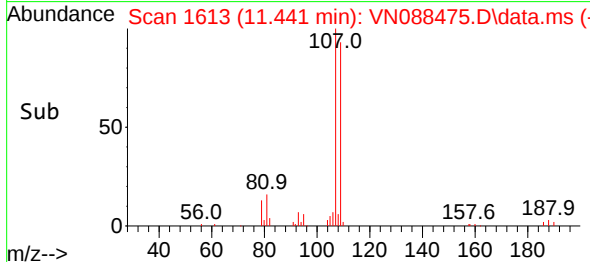
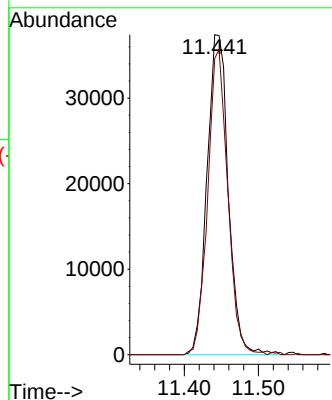
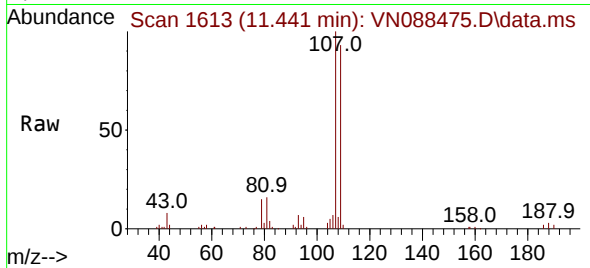




#61
1,2-Dibromoethane
Concen: 21.969 ug/l
RT: 11.441 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

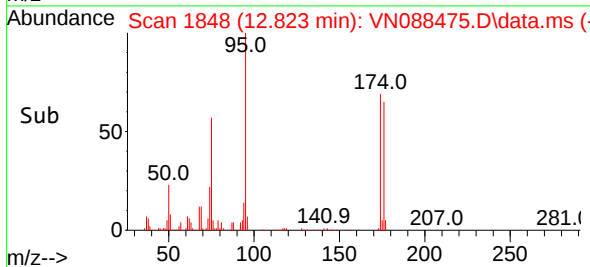
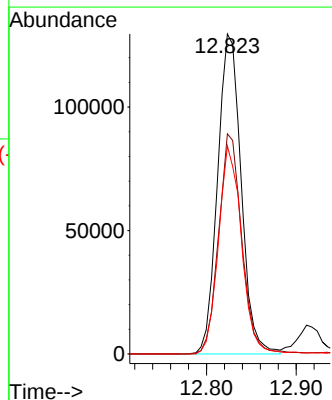
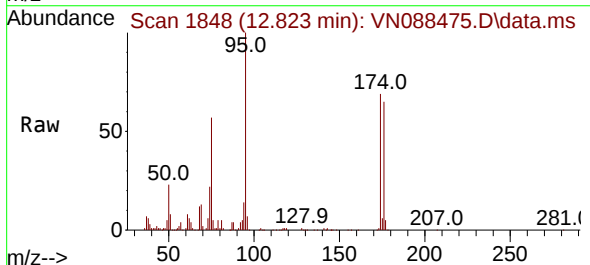
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

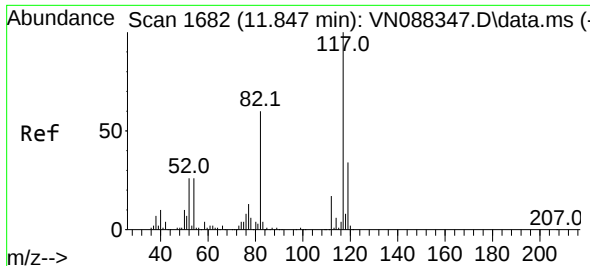
Tgt Ion:107 Resp: 74763
Ion Ratio Lower Upper
107 100
109 89.4 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 55.722 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 95 Resp: 236247
Ion Ratio Lower Upper
95 100
174 67.9 0.0 139.0
176 63.4 0.0 132.4

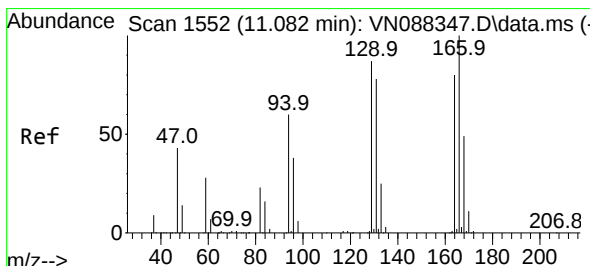
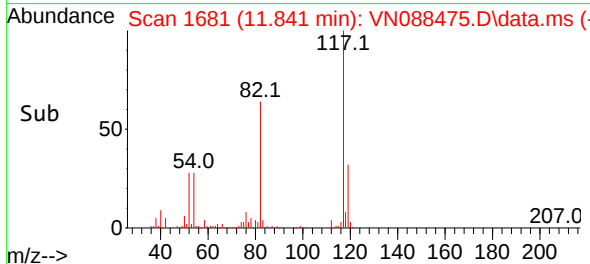
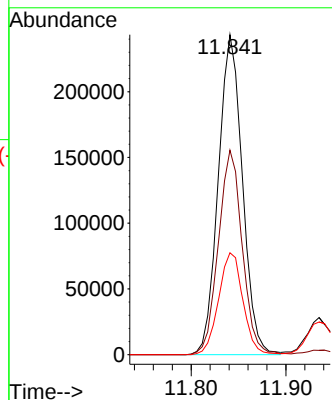
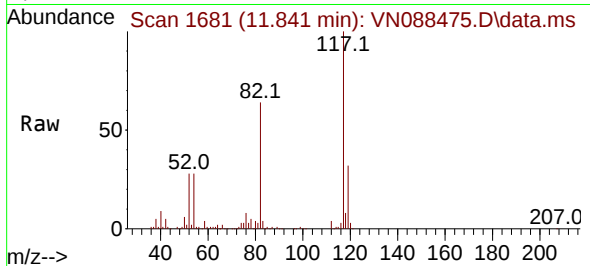




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

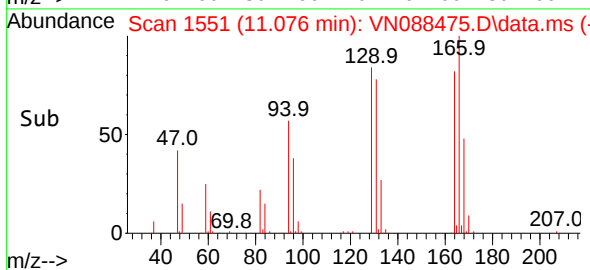
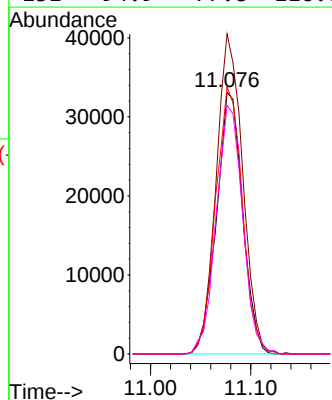
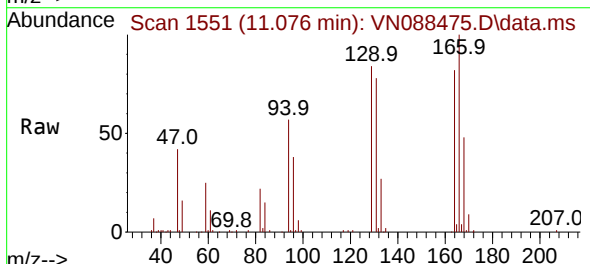
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

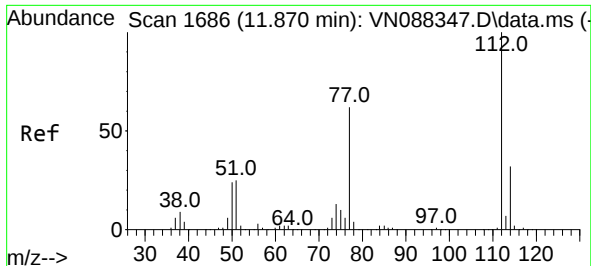
Tgt Ion:117 Resp: 431211
Ion Ratio Lower Upper
117 100
82 63.9 47.8 71.8
119 31.8 26.9 40.3



#64
Tetrachloroethene
Concen: 17.459 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:164 Resp: 59685
Ion Ratio Lower Upper
164 100
166 122.2 99.6 149.4
129 102.1 86.6 129.8
131 94.9 77.8 116.6

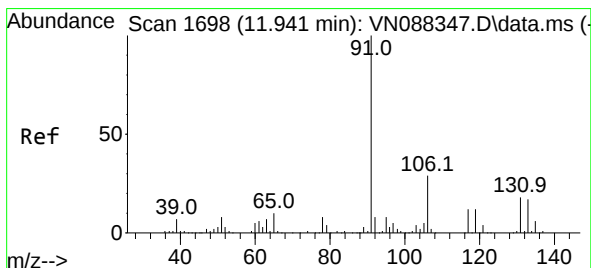
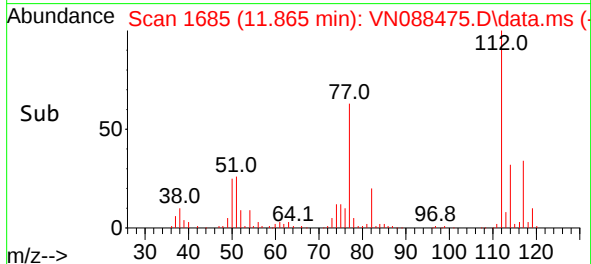
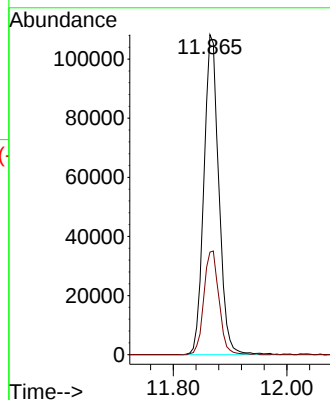
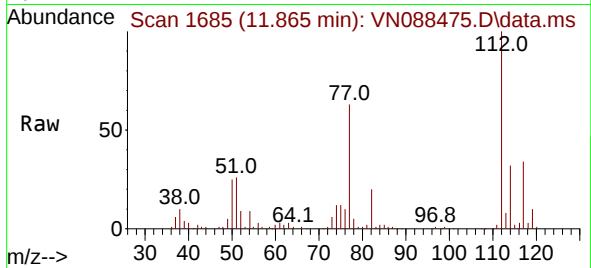




#65
Chlorobenzene
Concen: 20.379 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

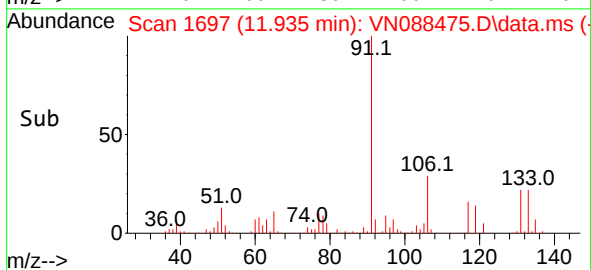
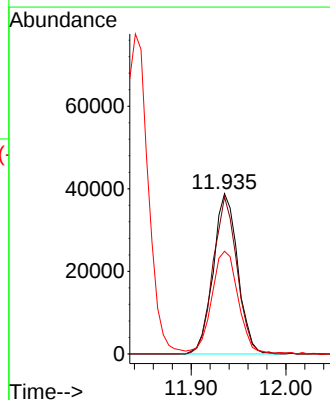
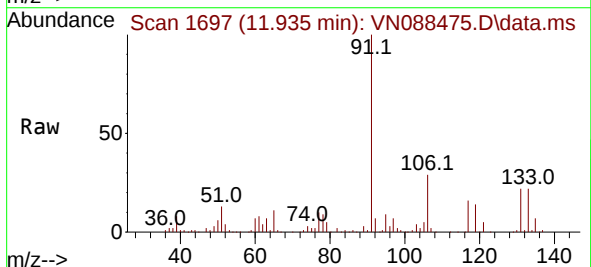
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

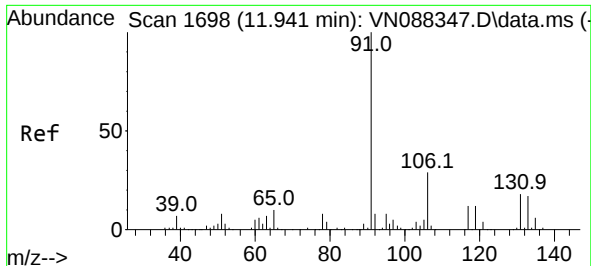
Tgt Ion:112 Resp: 197392
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.416 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:131 Resp: 69961
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.2
119 67.7 33.4 100.1

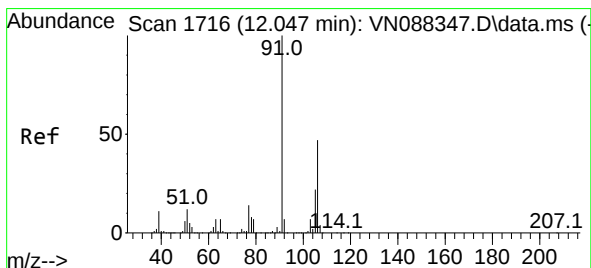
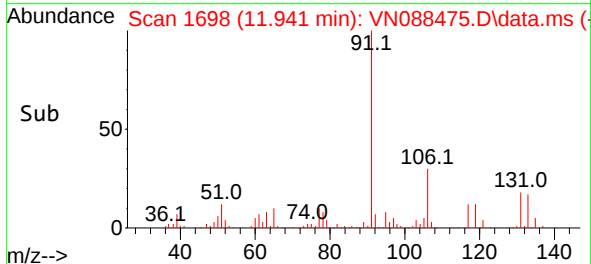
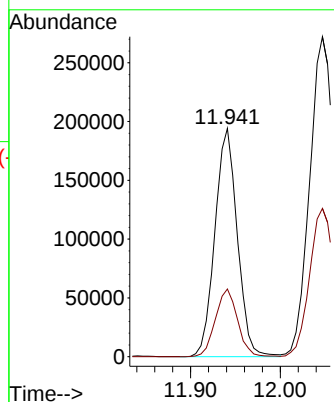
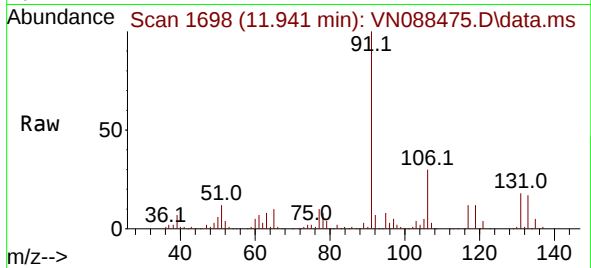




#67
Ethyl Benzene
Concen: 19.875 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

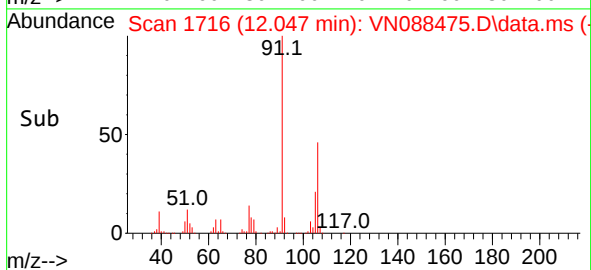
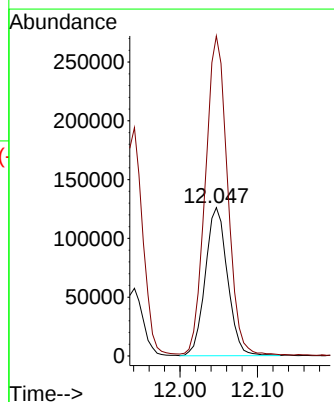
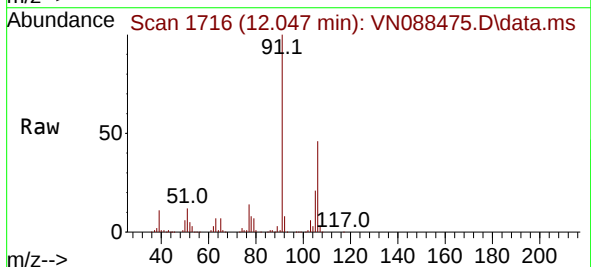
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

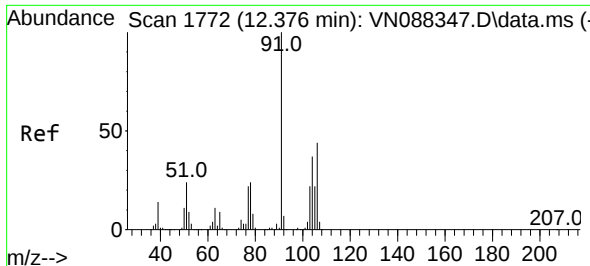
Tgt Ion: 91 Resp: 336466
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4



#68
m/p-Xylenes
Concen: 39.865 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 106 Resp: 250217
Ion Ratio Lower Upper
106 100
91 215.8 167.8 251.6

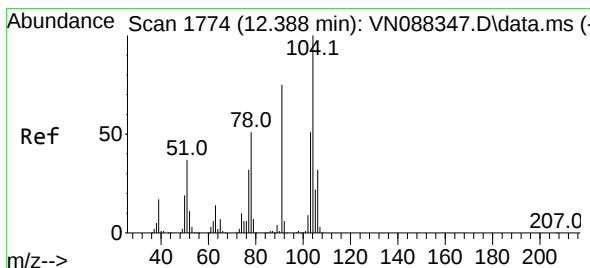
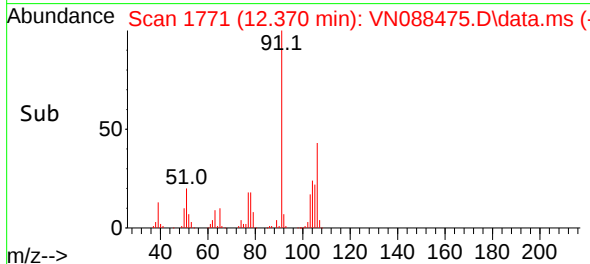
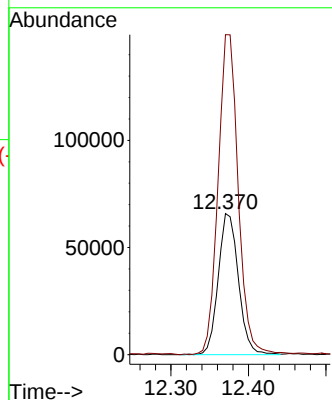
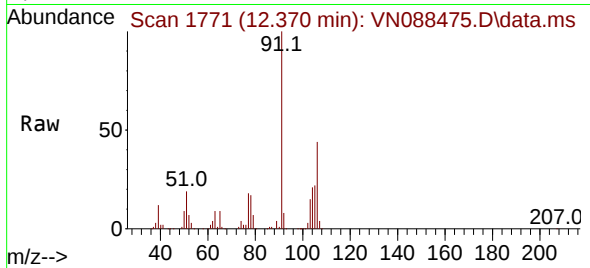




#69
o-Xylene
Concen: 19.936 ug/l
RT: 12.370 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

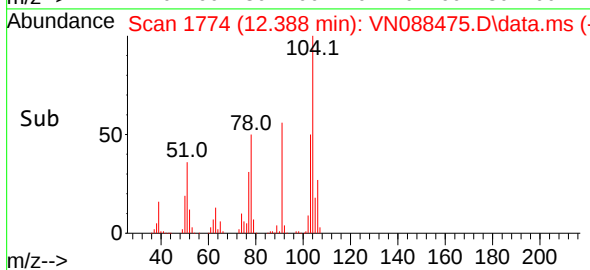
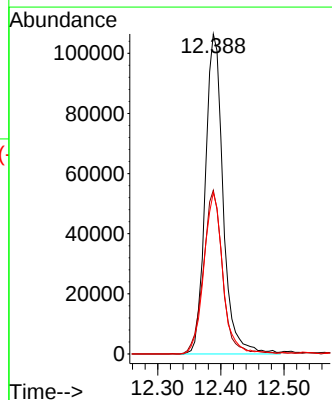
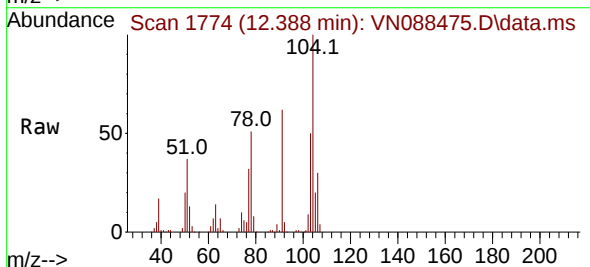
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

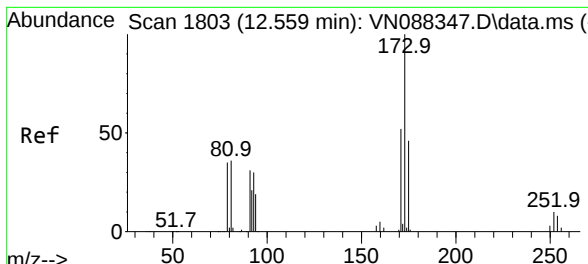
Tgt Ion:106 Resp: 119299
Ion Ratio Lower Upper
106 100
91 226.7 112.9 338.7



#70
Styrene
Concen: 21.441 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:104 Resp: 208322
Ion Ratio Lower Upper
104 100
78 55.1 44.3 66.5
103 53.8 44.2 66.4

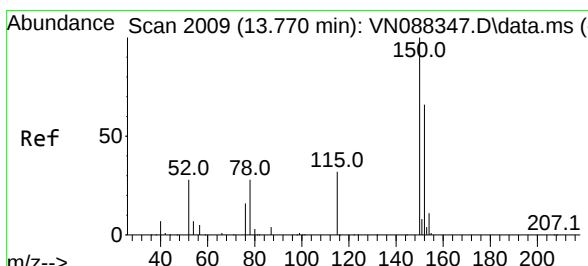
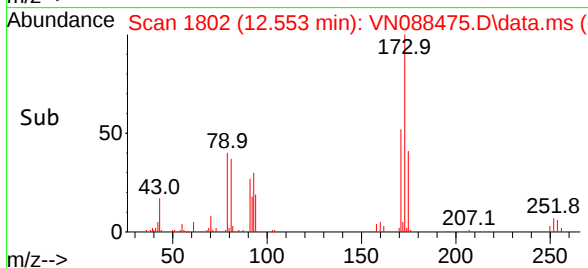
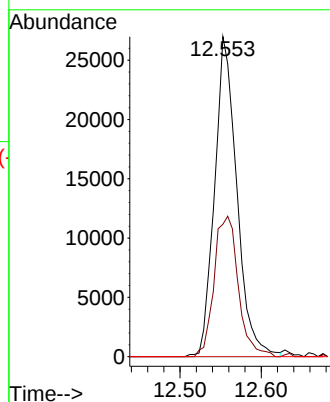
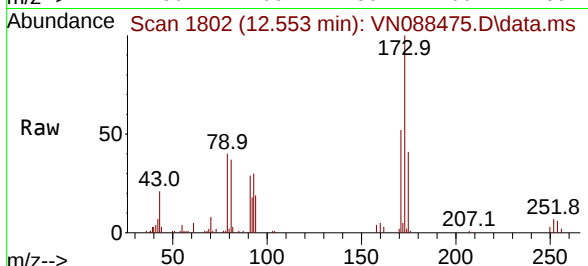




#71
Bromoform
Concen: 21.496 ug/l
RT: 12.553 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

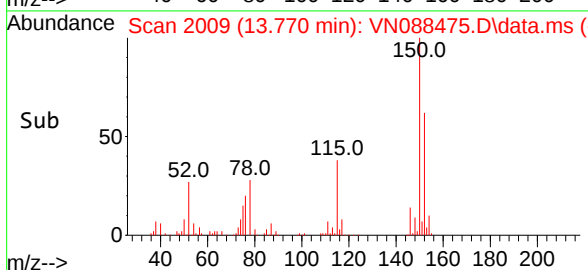
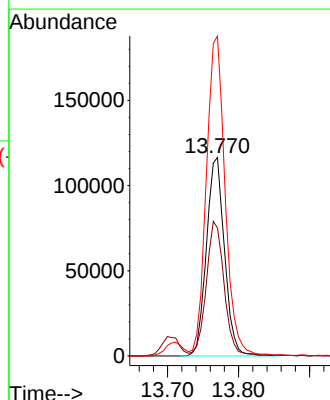
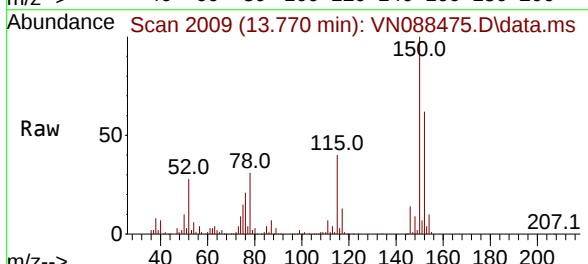
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

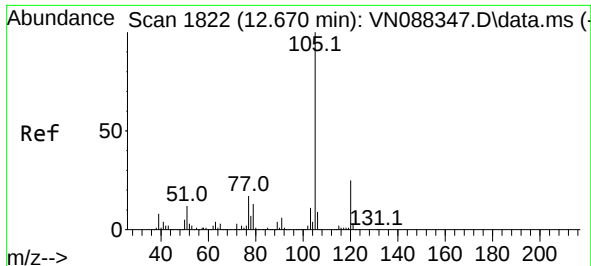
Tgt Ion:173 Resp: 51434
Ion Ratio Lower Upper
173 100
175 47.6 23.9 71.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:152 Resp: 207134
Ion Ratio Lower Upper
152 100
115 66.3 33.0 98.9
150 166.8 0.0 349.0

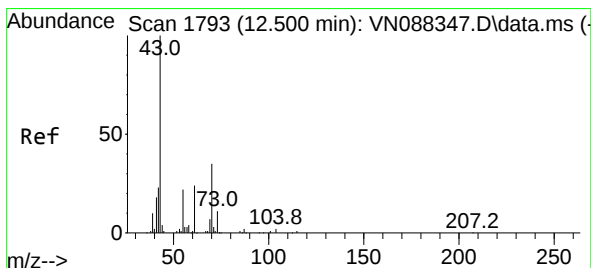
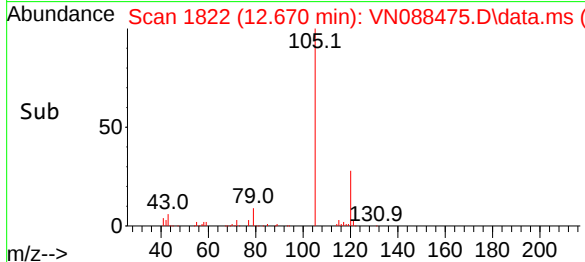
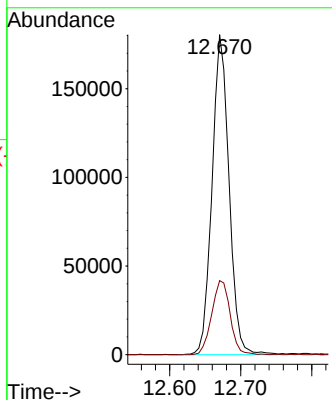
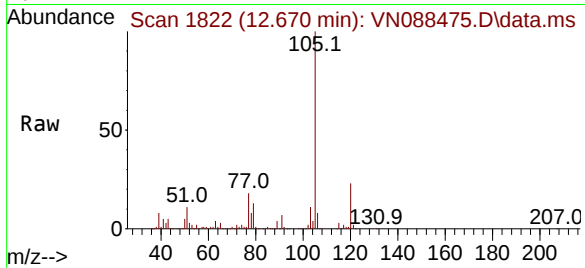




#73
Isopropylbenzene
Concen: 19.566 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

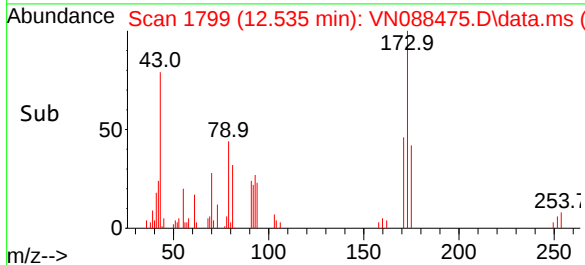
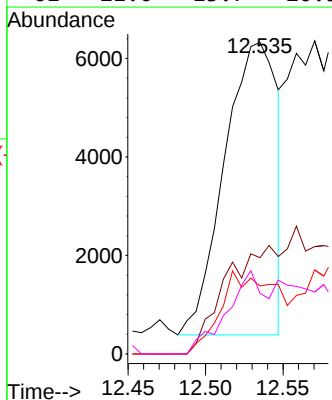
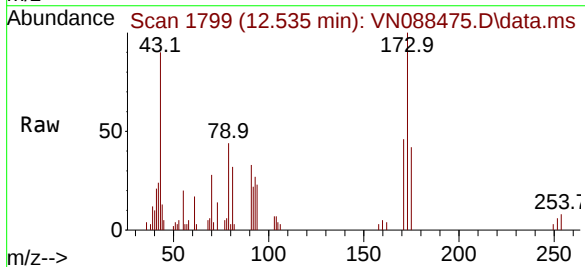
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

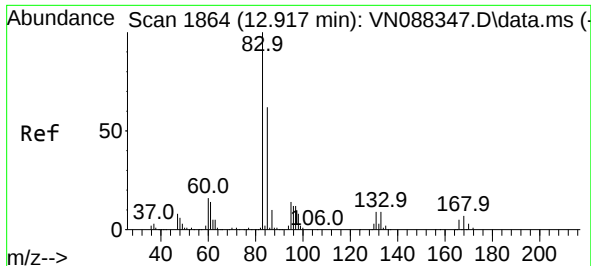
Tgt Ion:105 Resp: 299656
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.3



#74
N-ethyl acetate
Concen: 2.687 ug/l
RT: 12.535 min Scan# 1799
Delta R.T. 0.035 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 43 Resp: 14017
Ion Ratio Lower Upper
43 100
70 0.0 28.3 42.5#
55 30.1 17.7 26.5#
61 21.0 13.7 20.5#

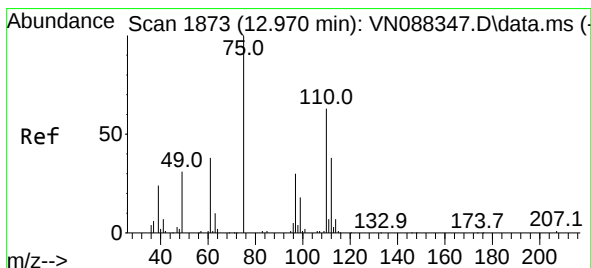
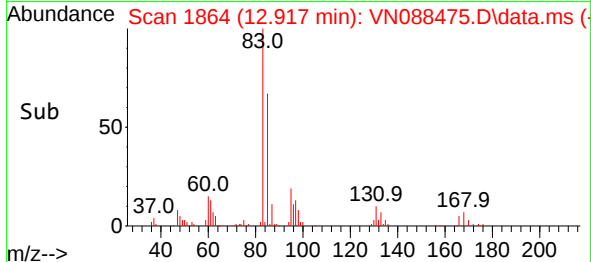
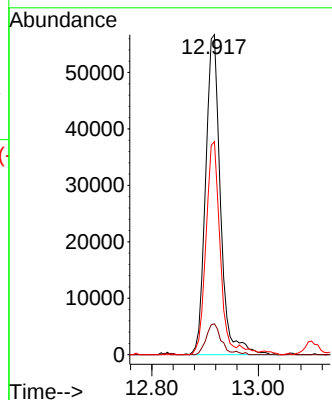
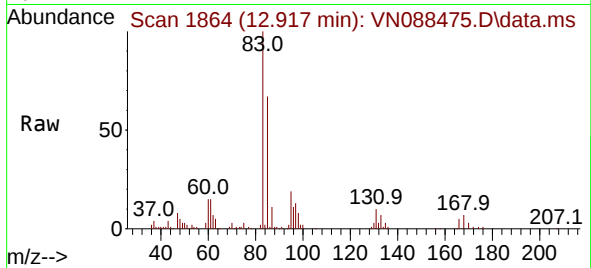




#75
1,1,2,2-Tetrachloroethane
Concen: 22.159 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

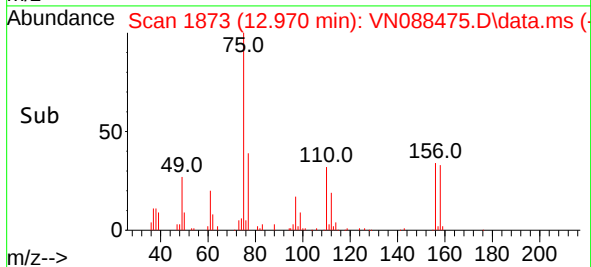
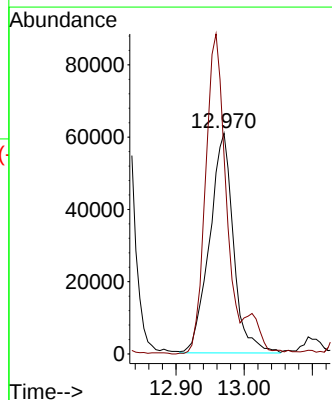
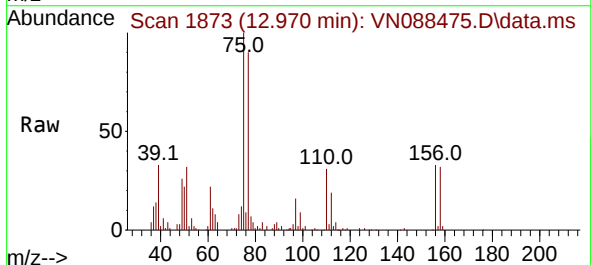
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

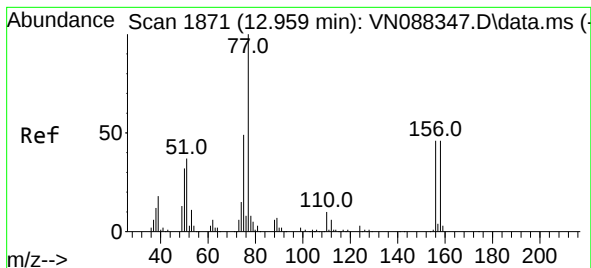
Tgt Ion: 83 Resp: 109715
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.4
85 62.2 32.1 96.5



#76
1,2,3-Trichloropropane
Concen: 30.650 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 75 Resp: 148698
Ion Ratio Lower Upper
75 100
77 124.5 87.2 261.6





#77

Bromobenzene

Concen: 21.354 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

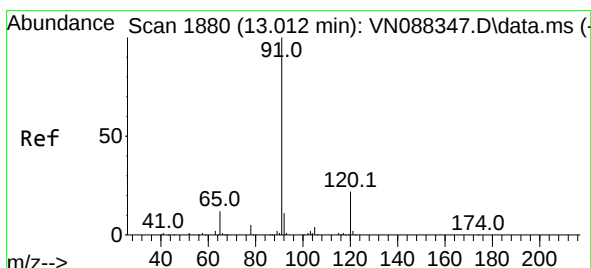
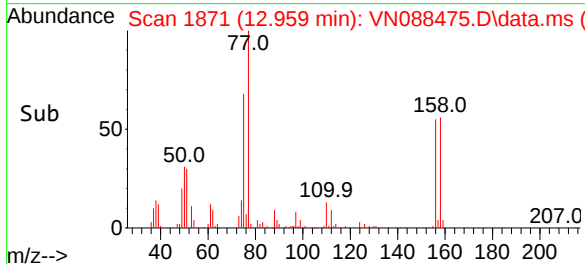
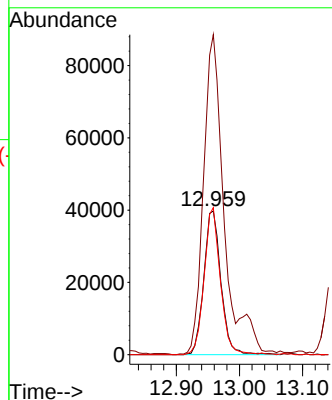
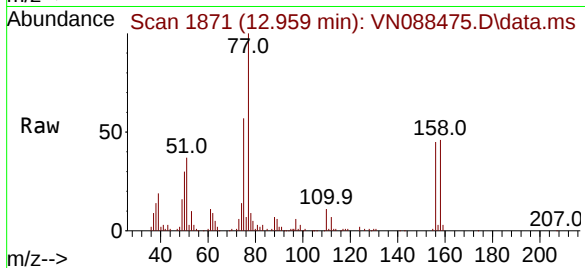
Tgt Ion:156 Resp: 74828

Ion Ratio Lower Upper

156 100

77 247.5 121.6 364.7

158 96.8 48.6 145.8



#78

n-propylbenzene

Concen: 19.696 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088475.D

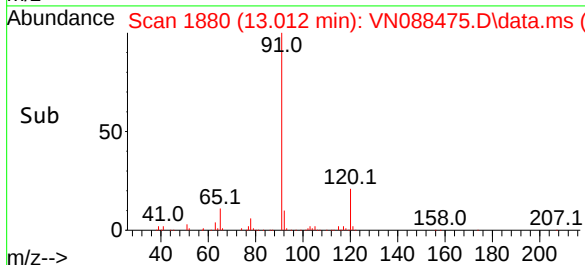
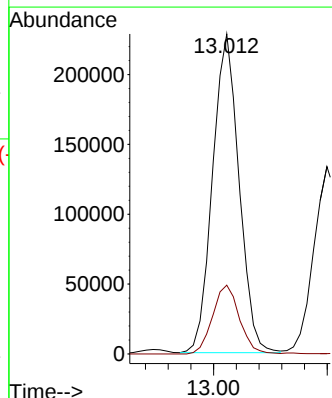
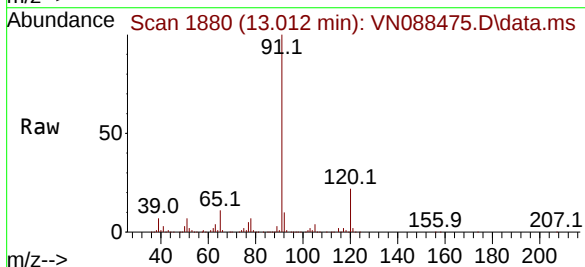
Acq: 09 Dec 2025 13:25

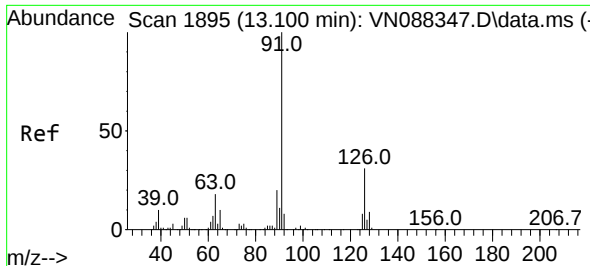
Tgt Ion: 91 Resp: 369035

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.6

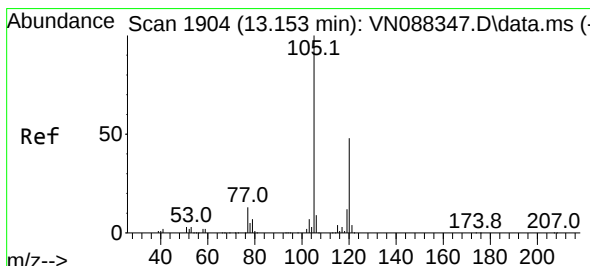
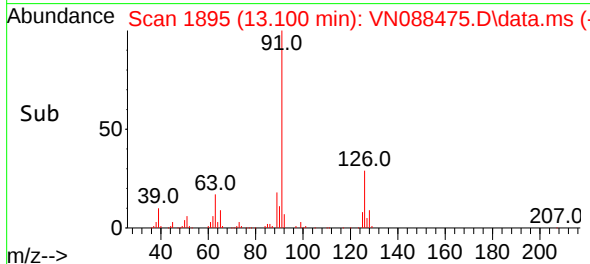
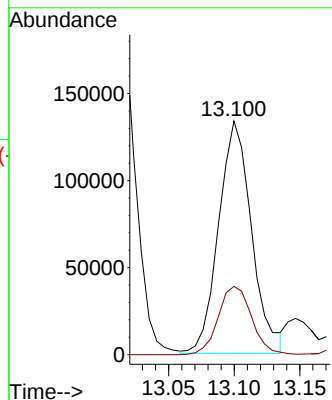
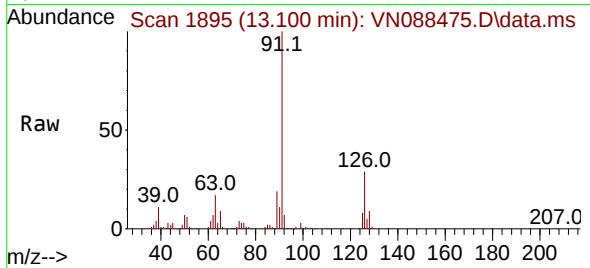




#79
2-Chlorotoluene
Concen: 20.383 ug/l
RT: 13.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

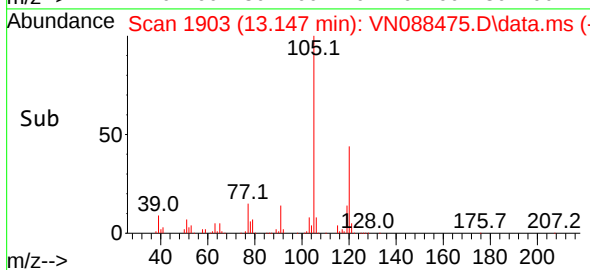
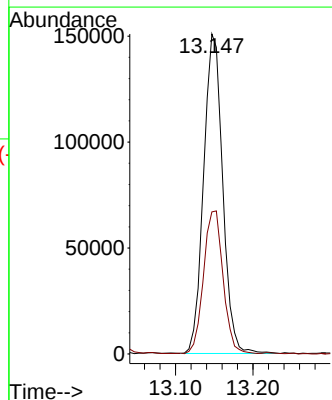
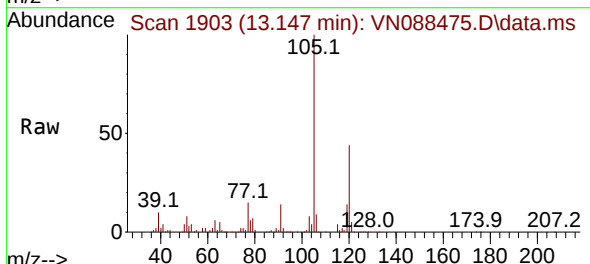
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

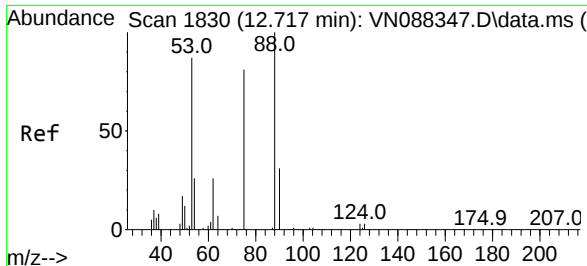
Tgt Ion: 91 Resp: 233212
Ion Ratio Lower Upper
91 100
126 29.8 15.3 45.9



#80
1,3,5-Trimethylbenzene
Concen: 20.321 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:105 Resp: 257895
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.5

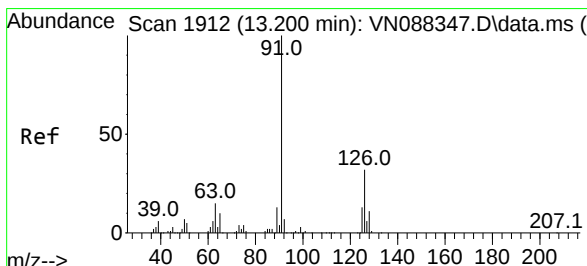
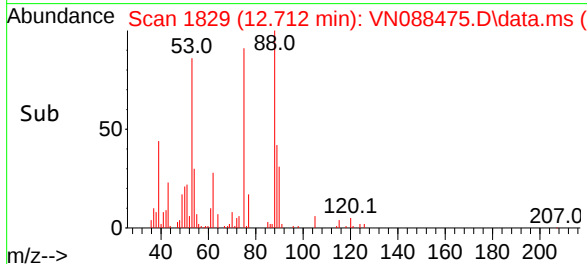
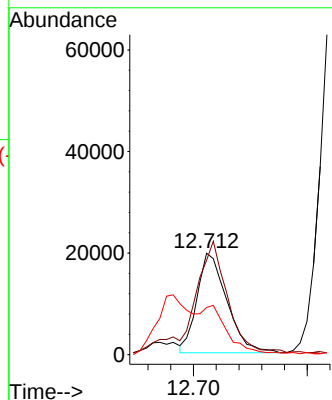
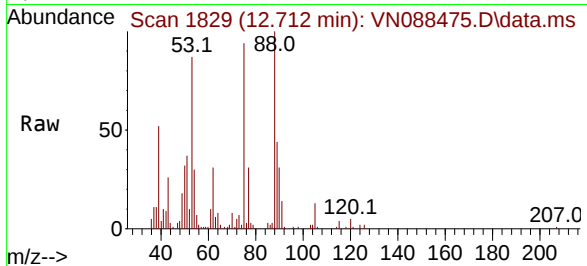




#81
trans-1,4-Dichloro-2-butene
Concen: 21.008 ug/l
RT: 12.712 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

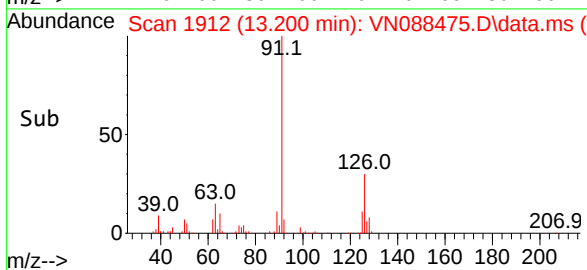
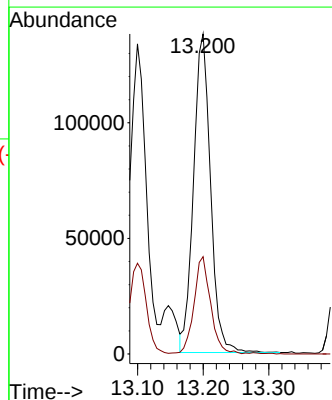
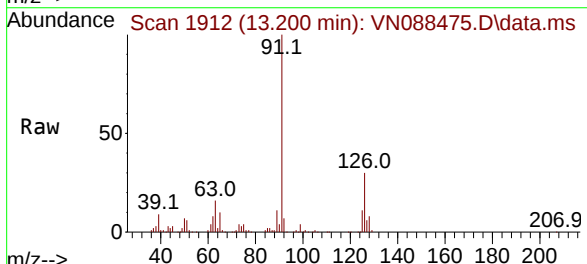
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBS01

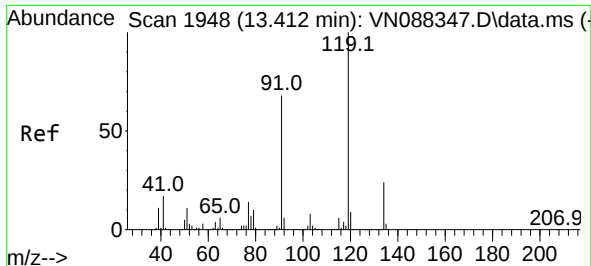
Tgt Ion: 75 Resp: 35926
Ion Ratio Lower Upper
75 100
53 135.4 92.2 138.4
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.888 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion: 91 Resp: 248736
Ion Ratio Lower Upper
91 100
126 29.6 15.6 46.7

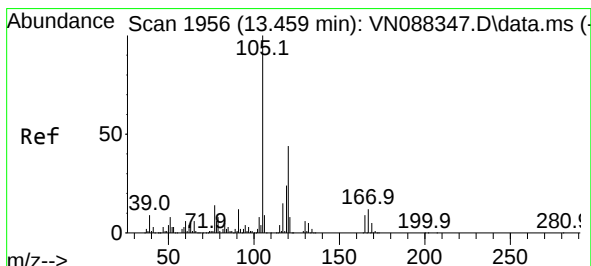
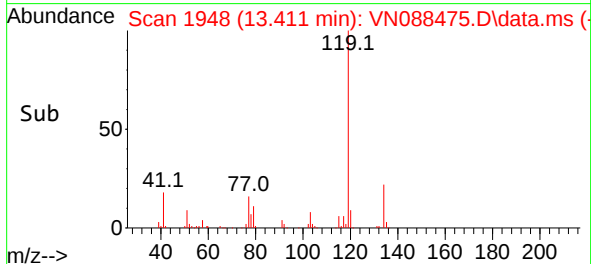
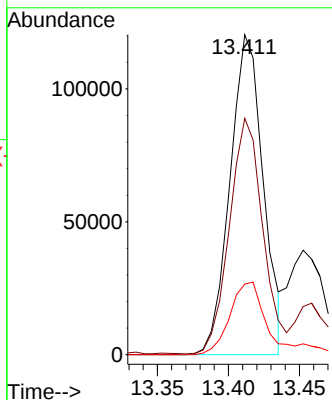
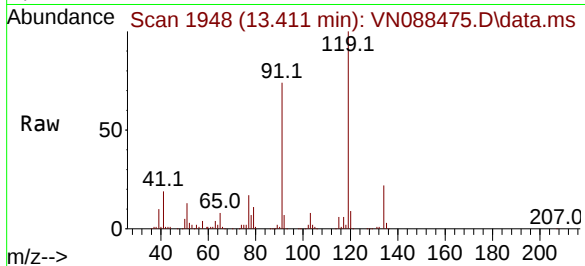




#83
tert-Butylbenzene
Concen: 18.174 ug/l
RT: 13.411 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

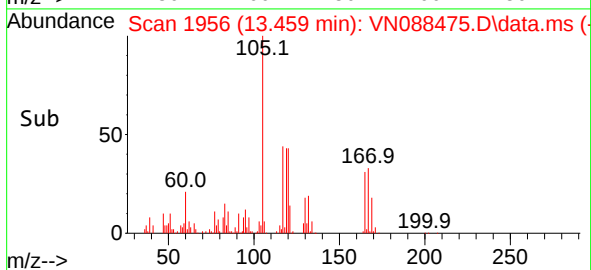
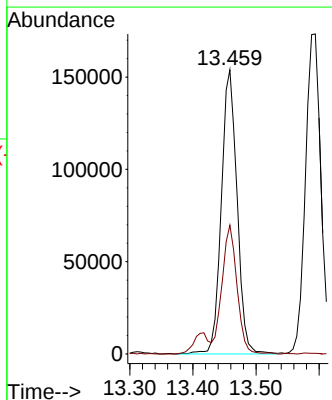
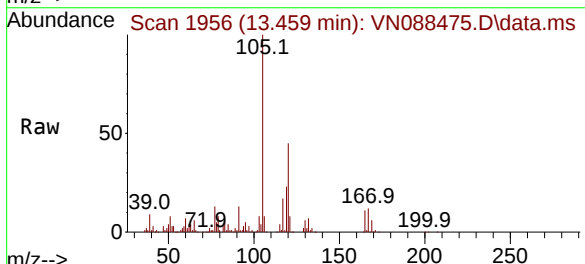
Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

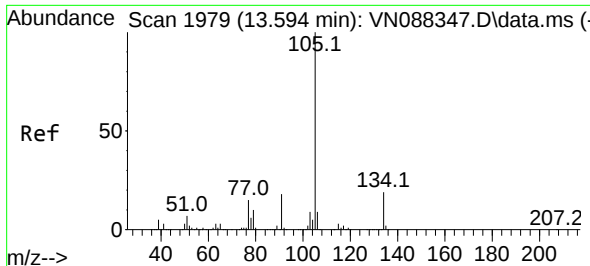
Tgt Ion:119 Resp: 196060
Ion Ratio Lower Upper
119 100
91 74.3 35.1 105.3
134 26.4 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.078 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:105 Resp: 265882
Ion Ratio Lower Upper
105 100
120 42.5 22.1 66.1

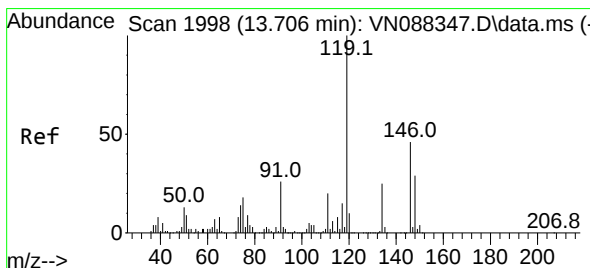
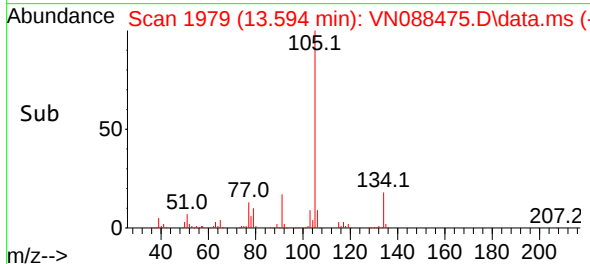
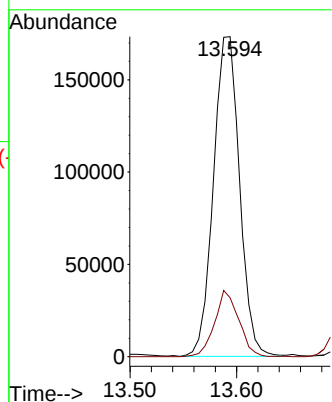
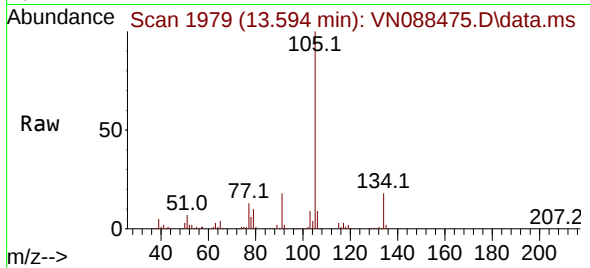




#85
 sec-Butylbenzene
 Concen: 18.994 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

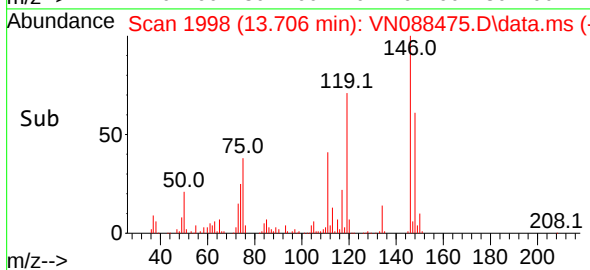
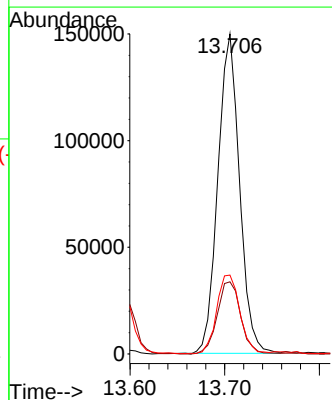
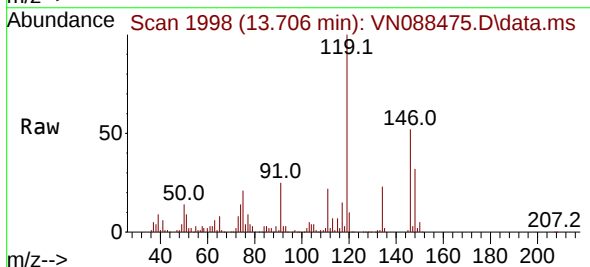
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBSD01

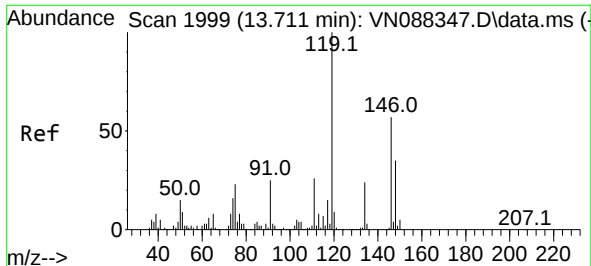
Tgt Ion:105 Resp: 294369
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 18.700 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

Tgt Ion:119 Resp: 237653
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.2 36.6
 91 26.2 13.0 39.0





#87

1,3-Dichlorobenzene

Concen: 20.437 ug/l

RT: 13.706 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

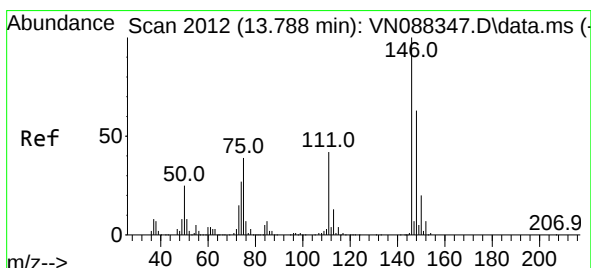
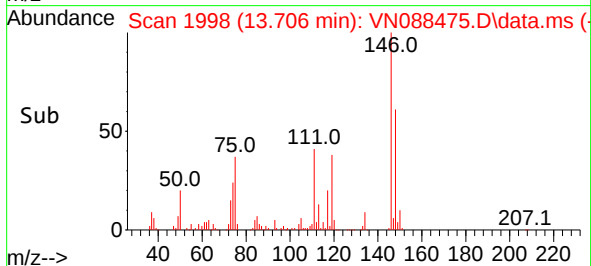
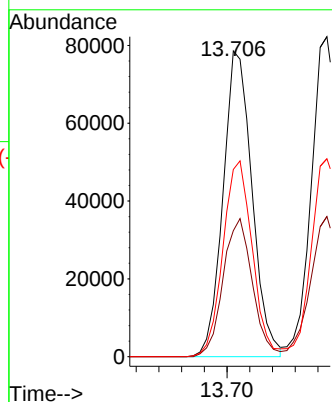
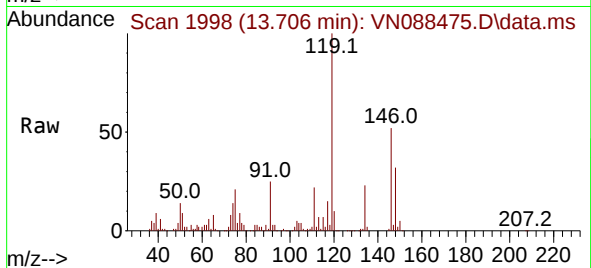
Tgt Ion:146 Resp: 139409

Ion Ratio Lower Upper

146 100

111 45.5 22.4 67.0

148 64.8 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 21.036 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

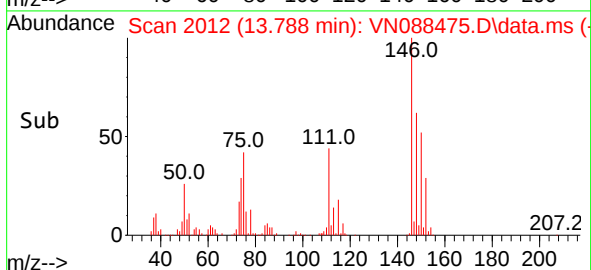
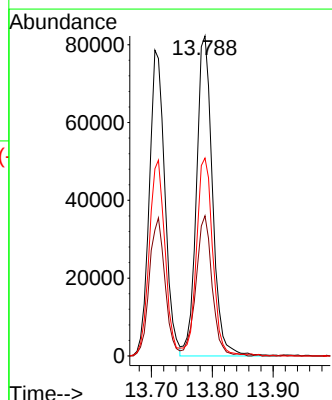
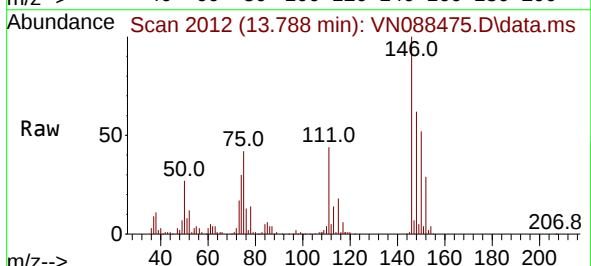
Tgt Ion:146 Resp: 150309

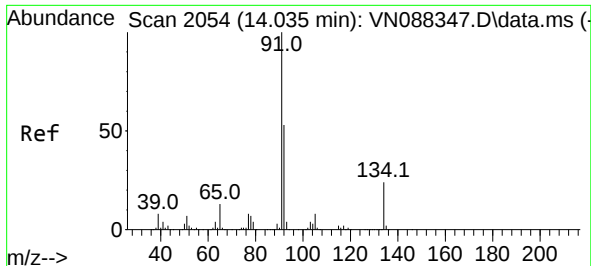
Ion Ratio Lower Upper

146 100

111 44.1 21.6 64.6

148 63.0 31.0 93.0





#89

n-Butylbenzene

Concen: 18.210 ug/l

RT: 14.029 min Scan# 2053

Delta R.T. -0.006 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

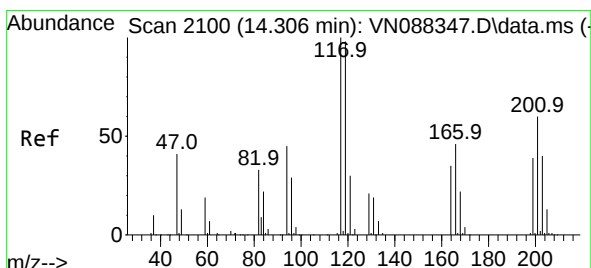
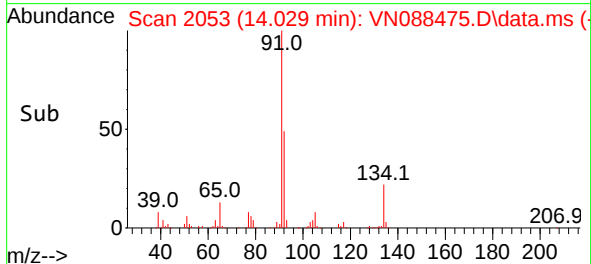
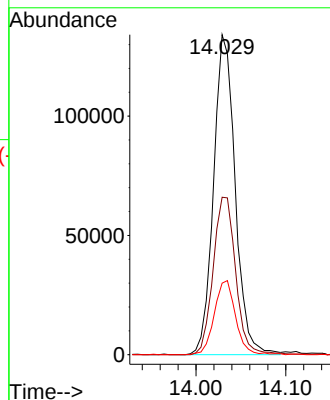
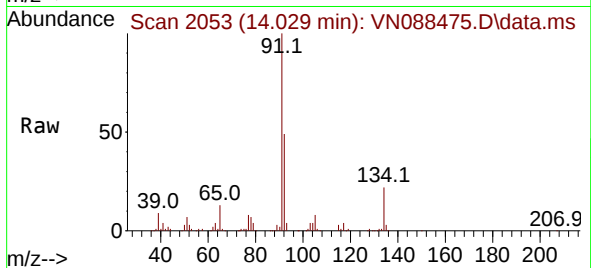
Tgt Ion: 91 Resp: 224703

Ion Ratio Lower Upper

91 100

92 51.3 26.1 78.3

134 22.8 11.7 35.1



#90

Hexachloroethane

Concen: 18.774 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.000 min

Lab File: VN088475.D

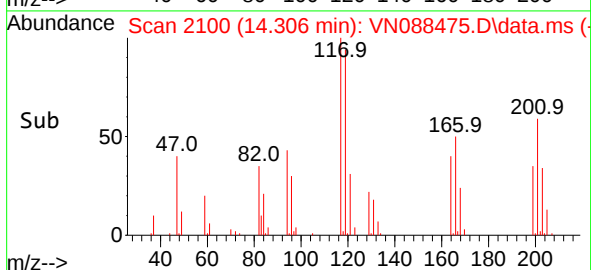
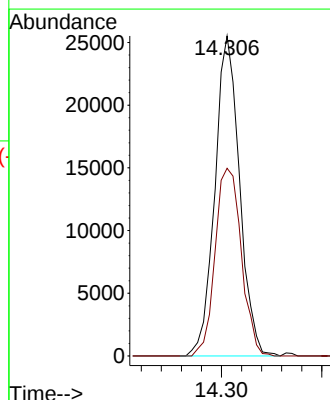
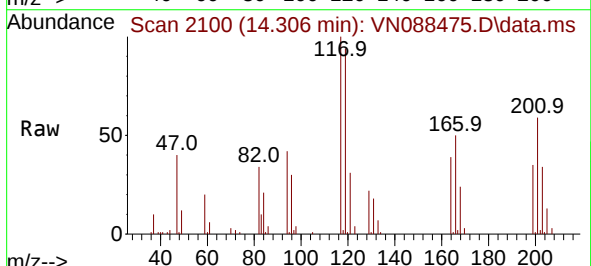
Acq: 09 Dec 2025 13:25

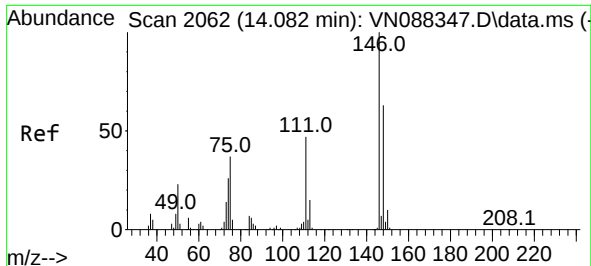
Tgt Ion: 117 Resp: 43587

Ion Ratio Lower Upper

117 100

201 62.1 30.3 90.9

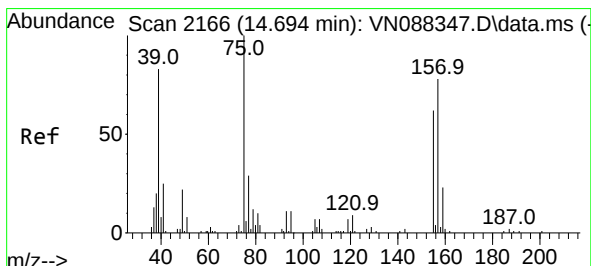
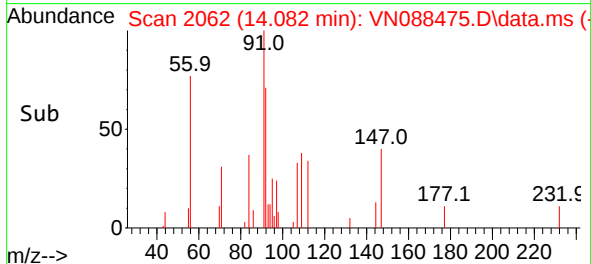
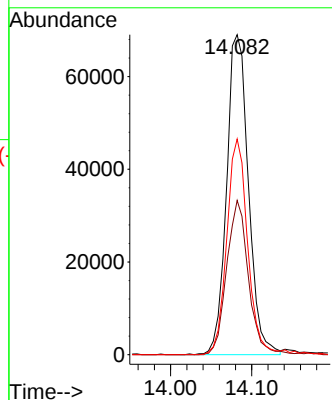
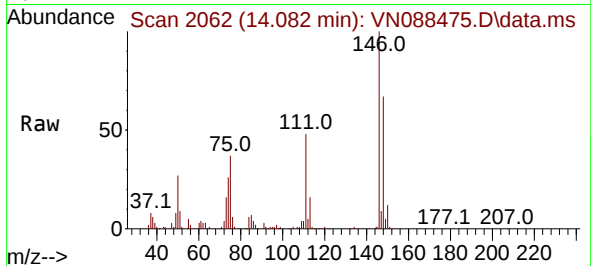




#91
 1,2-Dichlorobenzene
 Concen: 20.101 ug/l
 RT: 14.082 min Scan# 2062
 Delta R.T. -0.000 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

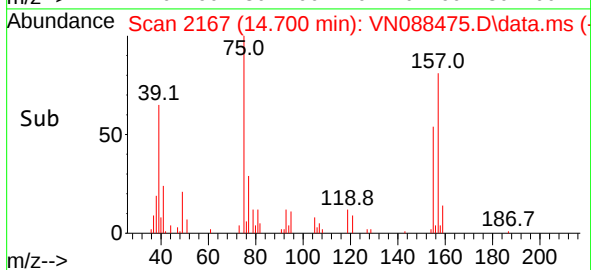
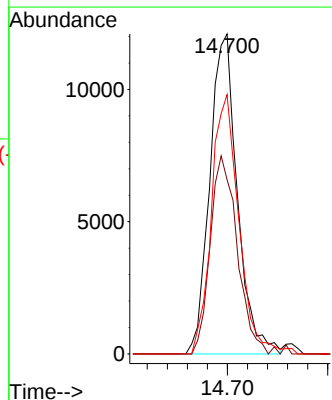
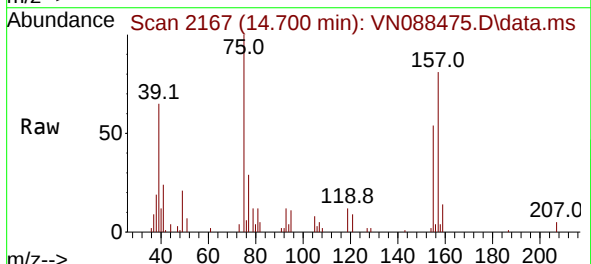
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209MBS01

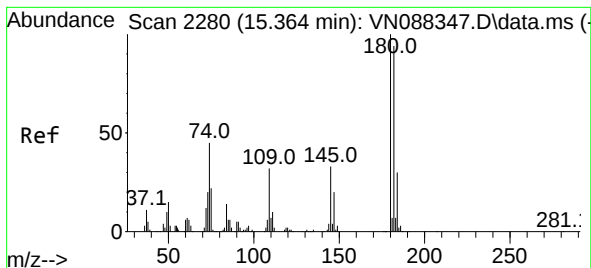
Tgt Ion:146 Resp: 129030
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.3 69.9
 148 65.2 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.228 ug/l
 RT: 14.700 min Scan# 2167
 Delta R.T. 0.006 min
 Lab File: VN088475.D
 Acq: 09 Dec 2025 13:25

Tgt Ion: 75 Resp: 23098
 Ion Ratio Lower Upper
 75 100
 155 60.5 33.7 101.1
 157 80.8 43.8 131.3





#93

1,2,4-Trichlorobenzene

Concen: 18.752 ug/l

RT: 15.364 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

VN1209MBS01

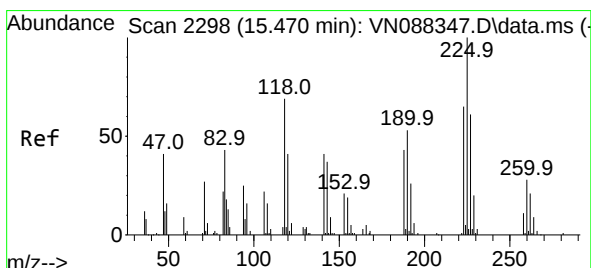
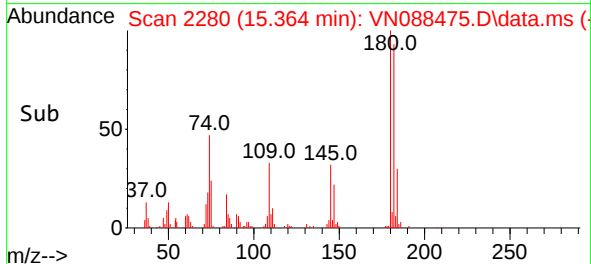
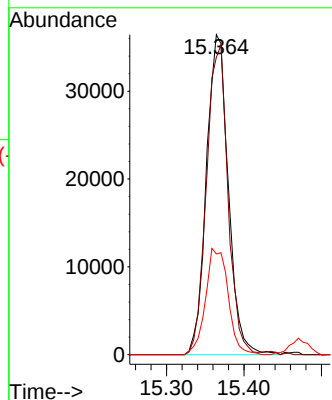
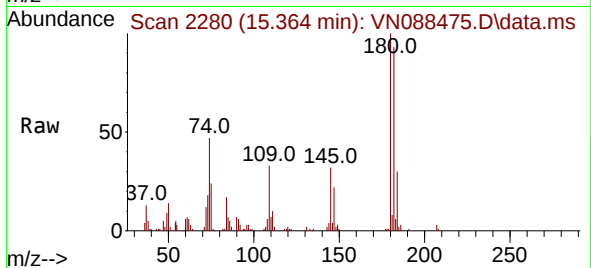
Tgt Ion:180 Resp: 71521

Ion Ratio Lower Upper

180 100

182 94.7 46.1 138.2

145 34.2 16.7 50.1



#94

Hexachlorobutadiene

Concen: 18.110 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN088475.D

Acq: 09 Dec 2025 13:25

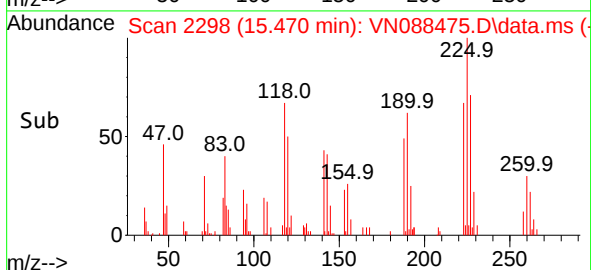
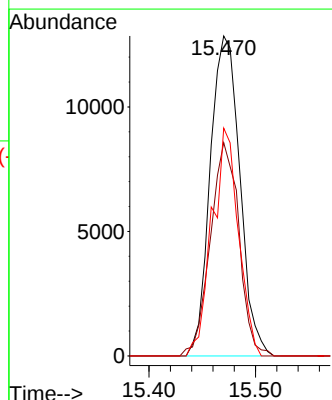
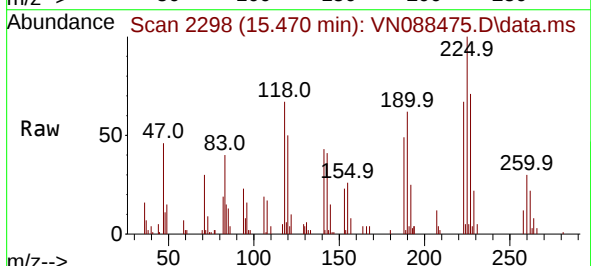
Tgt Ion:225 Resp: 24821

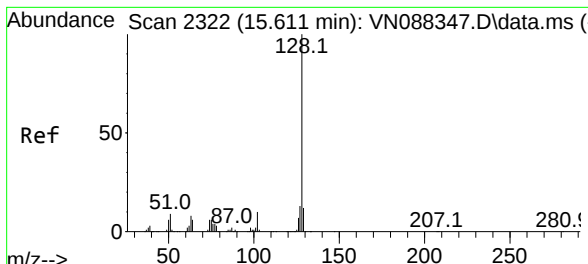
Ion Ratio Lower Upper

225 100

223 64.3 32.3 96.8

227 63.4 29.9 89.8

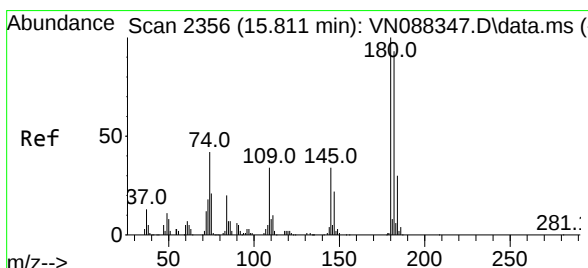
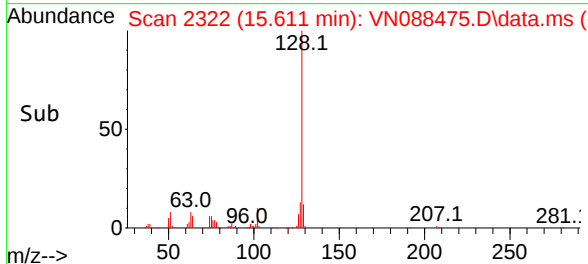
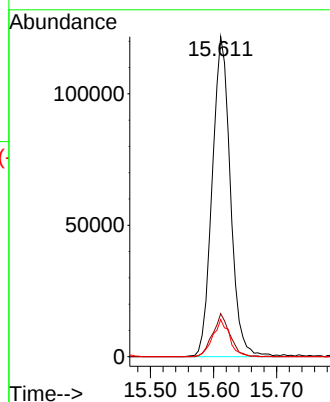
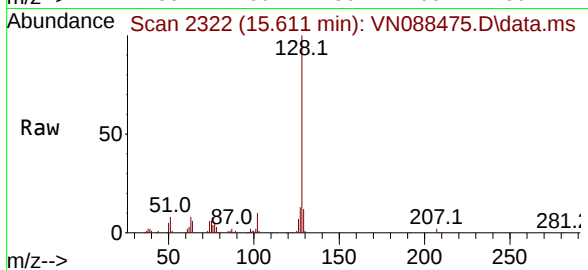




#95
Naphthalene
Concen: 18.444 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :
VN1209MBSD01

Tgt Ion:128 Resp: 243768
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 18.612 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088475.D
Acq: 09 Dec 2025 13:25

Tgt Ion:180 Resp: 69085
Ion Ratio Lower Upper
180 100
182 97.7 45.9 137.7
145 36.3 17.8 53.4

