

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022433.D
 Acq On : 27 May 2025 14:51
 Operator : SY/MD
 Sample : Q2113-01
 Misc : 4.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025

Quant Time: May 28 15:27:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	215	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.616	114	1246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	515	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	462	204.008	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	408.020%#
35) Dibromofluoromethane	7.628	113	308	42.209	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.420%
50) Toluene-d8	10.115	98	801	26.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	53.860%#
62) 4-Bromofluorobenzene	12.401	95	372	41.343	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.769	85	28	13.650	ug/l #	42
3) Chloromethane	2.080	50	180	35.675	ug/l #	43
4) Vinyl Chloride	2.287	62	23	3.752	ug/l #	42
5) Bromomethane	2.623	94	162	29.083	ug/l #	53
6) Chloroethane	2.696	64	63	15.729	ug/l #	42
10) Methyl Iodide	4.031	142	219	85.557	ug/l #	55
12) 1,1-Dichloroethene	3.769	96	32	14.206	ug/l #	1
13) Acrolein	3.610	56	19	79.439	ug/l #	45
14) Allyl chloride	4.366	41	119	35.119	ug/l #	16
15) Acrylonitrile	4.939	53	63	131.071	ug/l #	18
16) Acetone	3.836	43	128	343.965	ug/l #	49
18) Methyl Acetate	4.385	43	22	15.782	ug/l #	48
19) Methyl tert-butyl Ether	5.080	73	21	3.511	ug/l #	54
20) Methylene Chloride	4.641	84	26	9.894	ug/l #	7
21) trans-1,2-Dichloroethene	5.061	96	37	15.046	ug/l #	1
22) Diisopropyl ether	6.018	45	23	3.075	ug/l #	1
23) Vinyl Acetate	5.957	43	136	31.672	ug/l #	71
24) 1,1-Dichloroethane	6.018	63	21	4.752	ug/l #	82
25) 2-Butanone	6.896	43	155	250.100	ug/l #	46
26) 2,2-Dichloropropane	6.927	77	32	7.997	ug/l #	52
27) cis-1,2-Dichloroethene	6.915	96	21	7.376	ug/l #	1
28) Bromochloromethane	7.268	49	20	10.838	ug/l #	16
29) Tetrahydrofuran	7.256	42	84	203.229	ug/l #	31
31) Cyclohexane	7.701	56	40	9.183	ug/l #	15
32) 1,1,1-Trichloroethane	7.610	97	35	8.857	ug/l #	23
36) 1,1-Dichloropropene	7.945	75	63	5.441	ug/l #	42
37) Ethyl Acetate	7.000	43	63	12.802	ug/l #	68
38) Carbon Tetrachloride	7.713	117	30	2.487	ug/l #	12
41) Methacrylonitrile	7.256	41	268	89.731	ug/l #	26
42) 1,2-Dichloroethane	8.420	62	42	4.616	ug/l #	75
43) Isopropyl Acetate	8.183	43	129	11.996	ug/l #	61
45) 1,2-Dichloropropane	9.182	63	37	4.571	ug/l #	43
46) Dibromomethane	9.109	93	35	7.740	ug/l #	6
47) Bromodichloromethane	9.432	83	22	1.892	ug/l #	26
48) Methyl methacrylate	9.231	41	218	43.673	ug/l #	10
51) 4-Methyl-2-Pentanone	9.981	43	109	20.544	ug/l #	36

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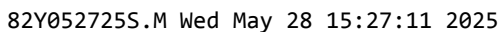
Quant Time: May 28 15:27:06 2025
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 QLast Update : Wed May 28 10:34:06 2025
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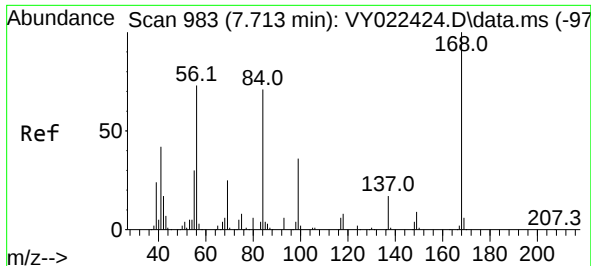
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

54) cis-1,3-Dichloropropene	10.085	75	20	1.571	ug/l #	1	
55) 1,1,2-Trichloroethane	10.591	97	63	11.019	ug/l #	14	
56) Ethyl methacrylate	10.426	69	70	8.531	ug/l #	1	
58) 2-Chloroethyl Vinyl ether	9.804	63	20	4.891	ug/l #	47	
59) 2-Hexanone	10.505	43	70	20.132	ug/l	66	
61) 1,2-Dibromoethane	10.871	107	23	4.398	ug/l #	3	
67) Ethyl Benzene	11.499	91	24	1.177	ug/l #	44	
68) m/p-Xylenes	11.645	106	19	2.458	ug/l #	1	
69) o-Xylene	11.987	106	41	5.643	ug/l #	1	
73) Isopropylbenzene	12.298	105	18	2.199	ug/l #	49	
74) N-amyl acetate	12.084	43	68	33.951	ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.529	83	19	14.733	ug/l #	25	
76) 1,2,3-Trichloropropane	12.536	75	26	24.958	ug/l #	100	
78) n-propylbenzene	12.596	91	91	9.264	ug/l #	53	
79) 2-Chlorotoluene	12.657	91	46	8.651	ug/l #	40	
80) 1,3,5-Trimethylbenzene	12.749	105	25	3.909	ug/l #	28	
81) trans-1,4-Dichloro-2-b...	12.401	75	104	225.770	ug/l #	12	
82) 4-Chlorotoluene	12.755	91	24	4.382	ug/l #	40	
84) 1,2,4-Trimethylbenzene	13.029	105	86	13.363	ug/l #	31	
85) sec-Butylbenzene	13.029	105	86	10.036	ug/l #	57	
86) p-Isopropyltoluene	13.377	119	18	2.515	ug/l #	1	
89) n-Butylbenzene	13.621	91	224	33.386	ug/l #	34	
92) 1,2-Dibromo-3-Chloropr...	14.486	75	20	100.364	ug/l #	1	
95) Naphthalene	15.157	128	91	29.995	ug/l #	70	

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

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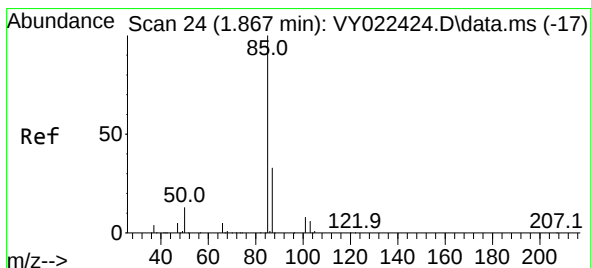
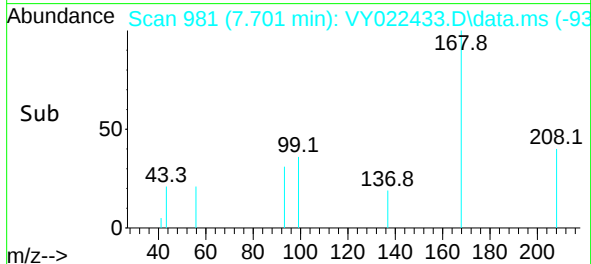
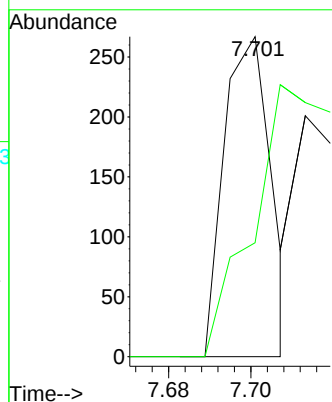
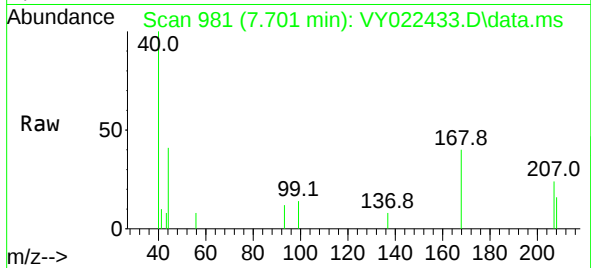




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022433.D
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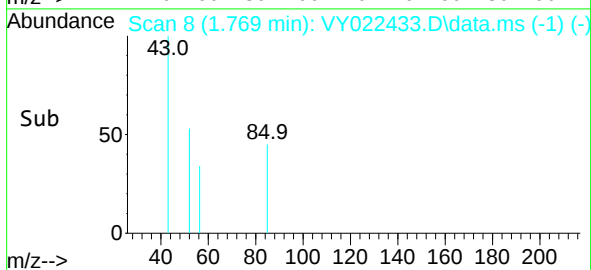
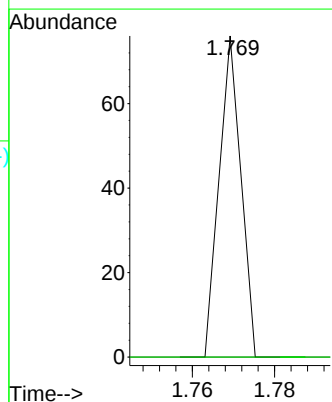
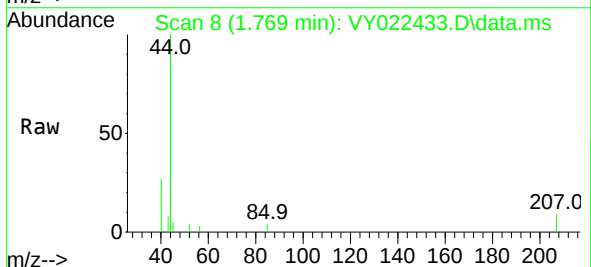
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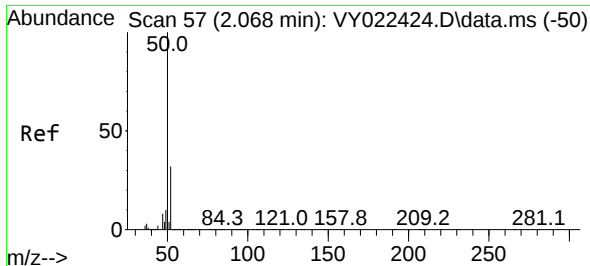
Tgt Ion:168 Resp: 215
Ion Ratio Lower Upper
168 100
99 35.6 44.7 67.1#



#2
Dichlorodifluoromethane
Concen: 13.650 ug/l
RT: 1.769 min Scan# 8
Delta R.T. -0.098 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 85 Resp: 28
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

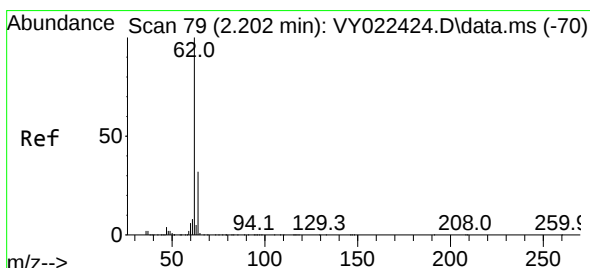
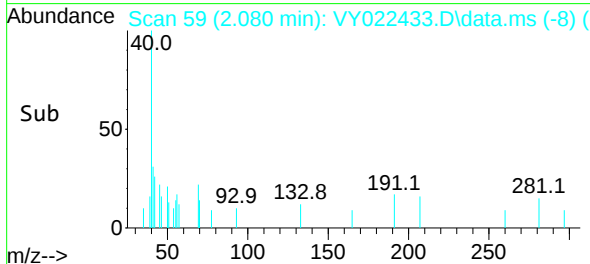
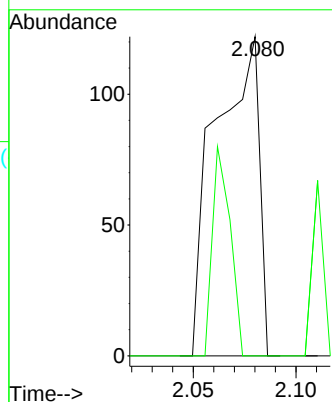
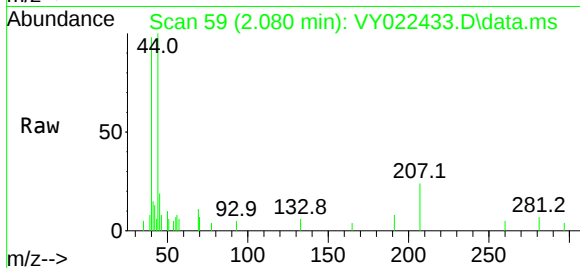




#3
Chloromethane
Concen: 35.675 ug/l
RT: 2.080 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

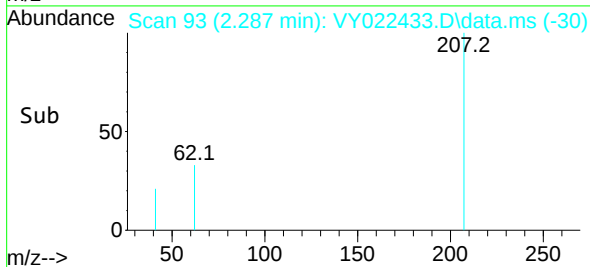
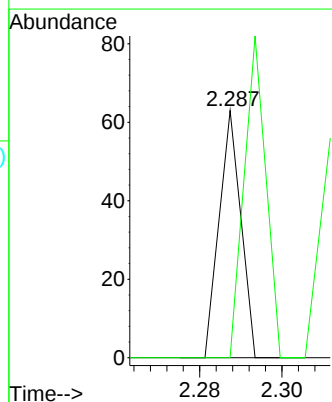
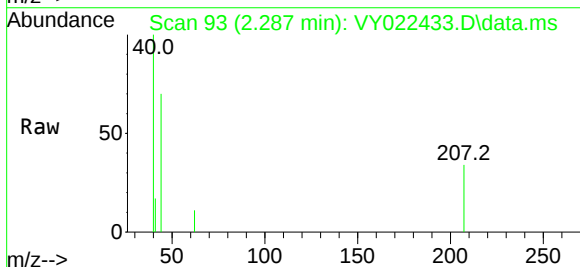
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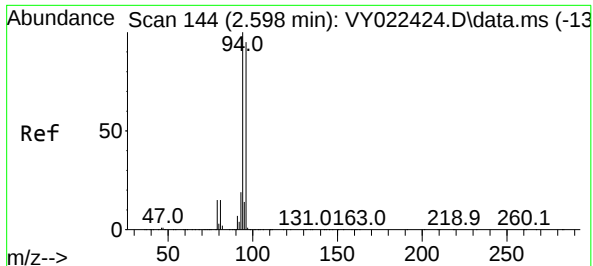
Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#4
Vinyl Chloride
Concen: 3.752 ug/l
RT: 2.287 min Scan# 93
Delta R.T. 0.085 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

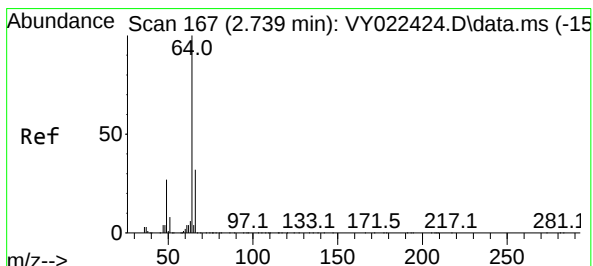
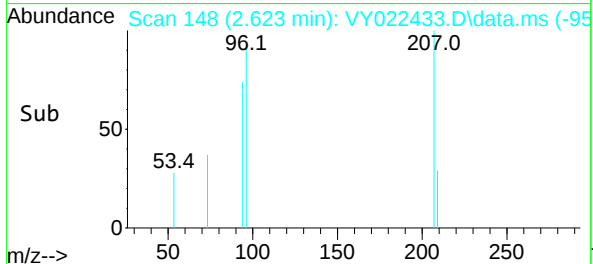
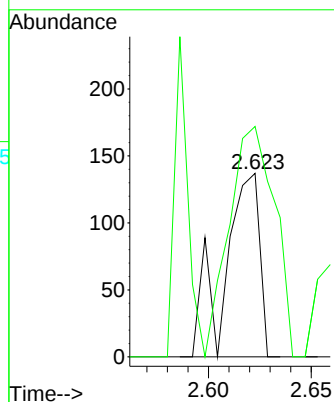
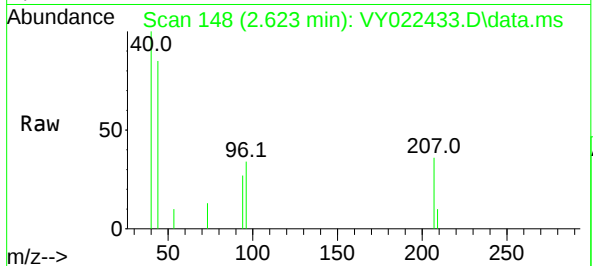




#5
Bromomethane
Concen: 29.083 ug/l
RT: 2.623 min Scan# 144
Delta R.T. 0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

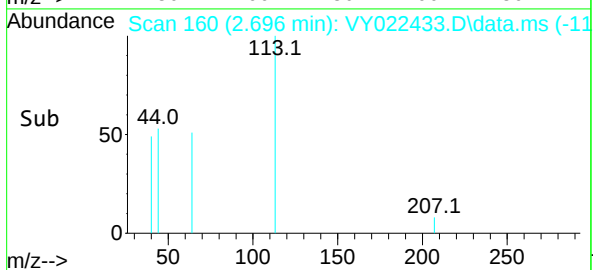
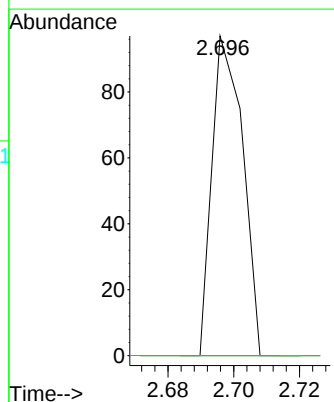
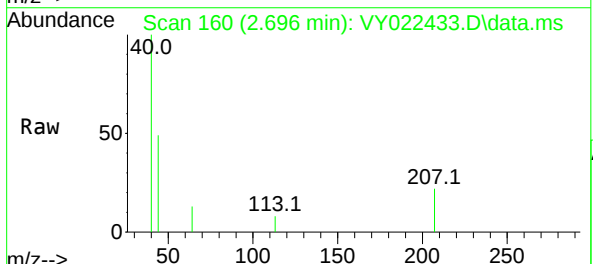
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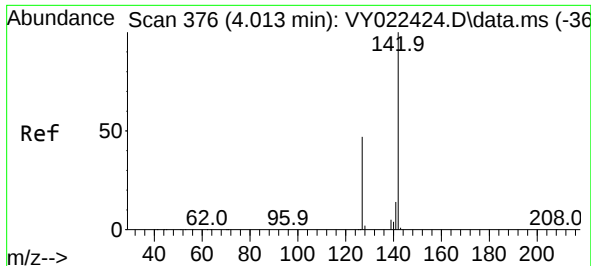
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 49.6 76.0 114.0#



#6
Chloroethane
Concen: 15.729 ug/l
RT: 2.696 min Scan# 160
Delta R.T. -0.043 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

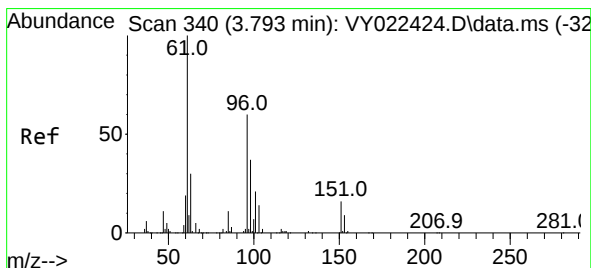
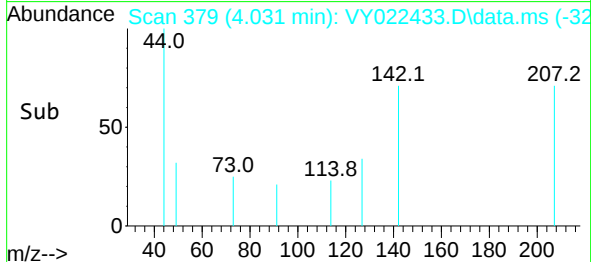
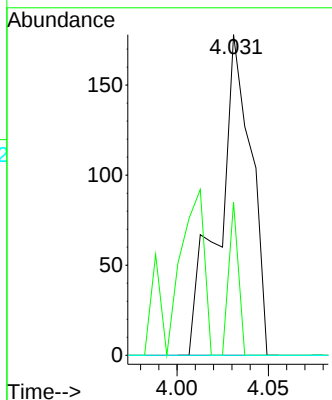
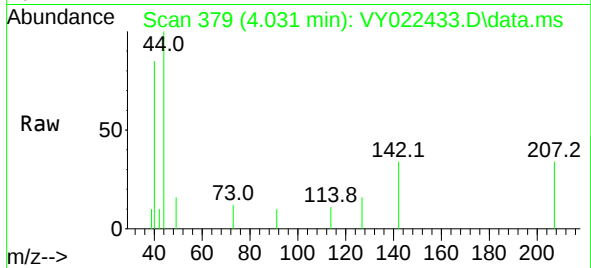




#10
Methyl Iodide
Concen: 85.557 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

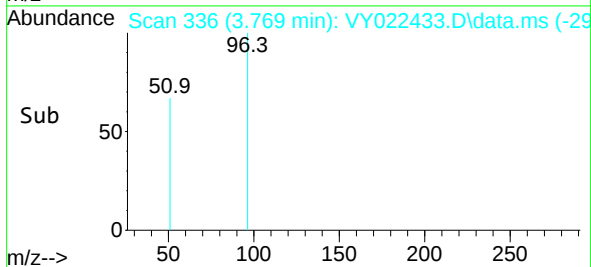
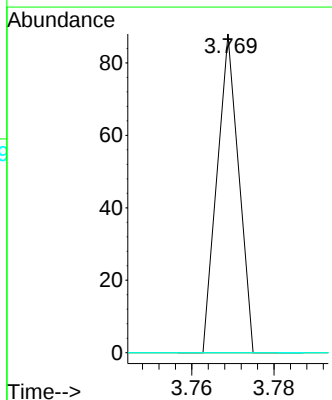
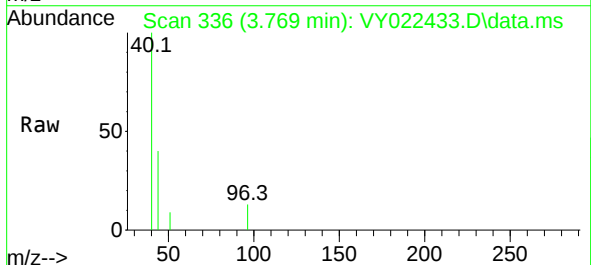
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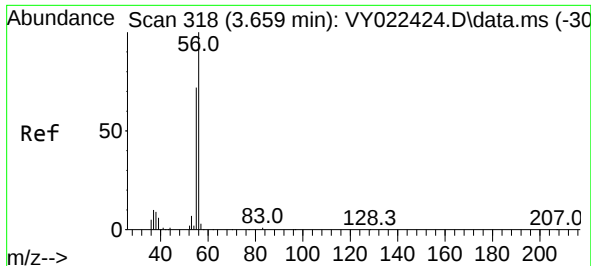
Tgt Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 14.2 36.2 54.4#
141 0.0 11.6 17.4#



#12
1,1-Dichloroethene
Concen: 14.206 ug/l
RT: 3.769 min Scan# 336
Delta R.T. -0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 96 Resp: 32
Ion Ratio Lower Upper
96 100
61 0.0 134.1 201.1#
98 0.0 50.2 75.2#

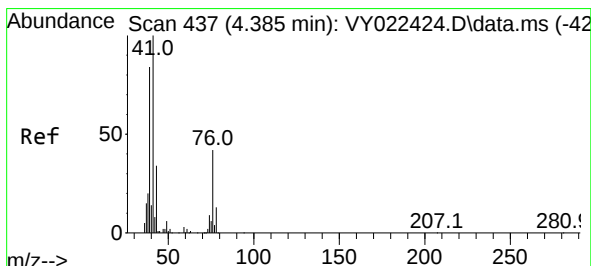
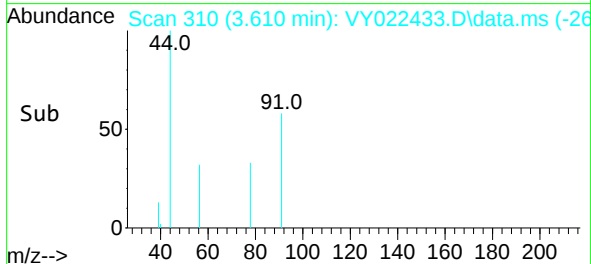
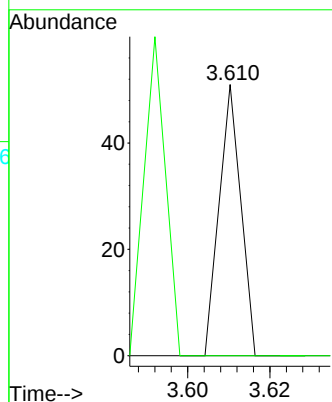
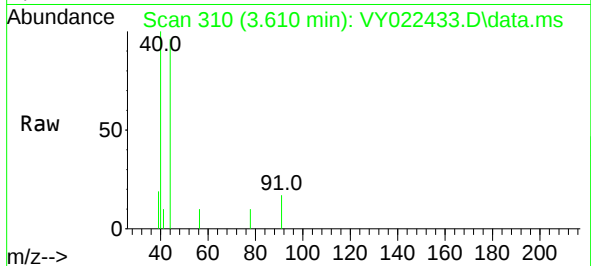




#13
Acrolein
Concen: 79.439 ug/l
RT: 3.610 min Scan# 318
Delta R.T. -0.049 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

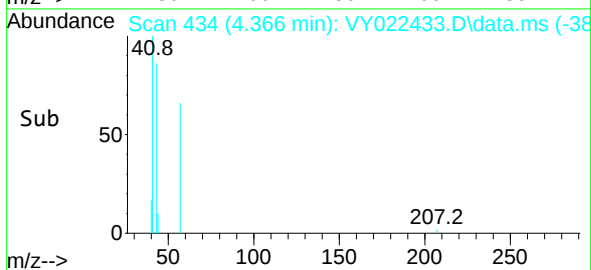
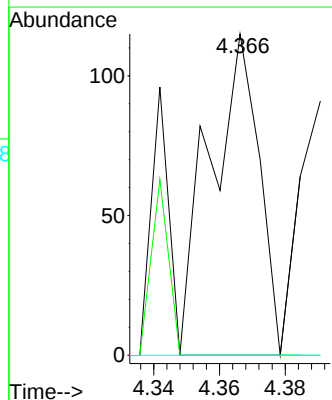
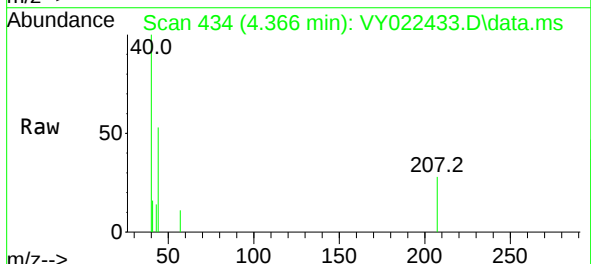
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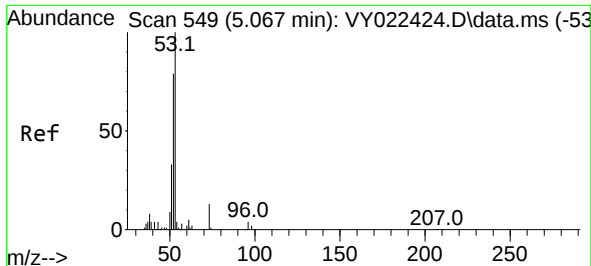
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Ion Ratio Lower Upper
56 100
55 115.8 56.5 84.7#



#14
Allyl chloride
Concen: 35.119 ug/l
RT: 4.366 min Scan# 434
Delta R.T. -0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

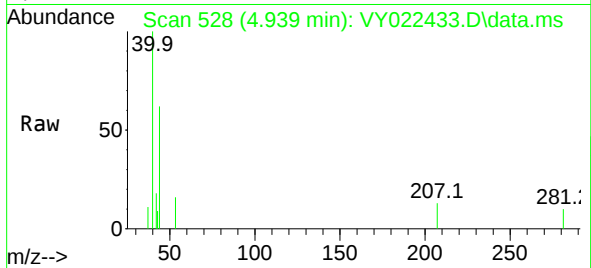
Tgt Ion: 41 Resp: 119
Ion Ratio Lower Upper
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39 0.0 66.6 100.0#
76 0.0 33.7 50.5#



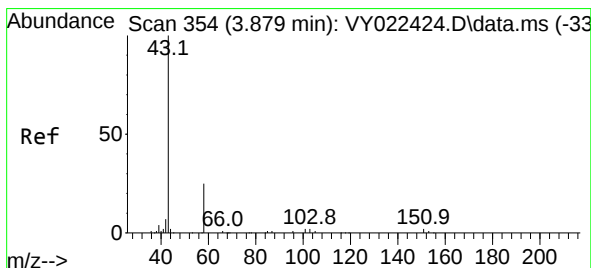
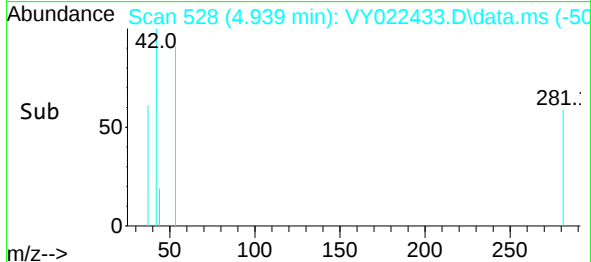
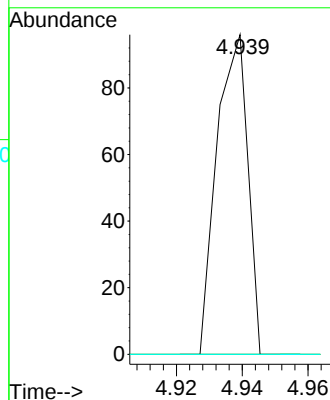


#15
Acrylonitrile
Concen: 131.071 ug/l
RT: 4.939 min Scan# 51
Delta R.T. -0.128 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

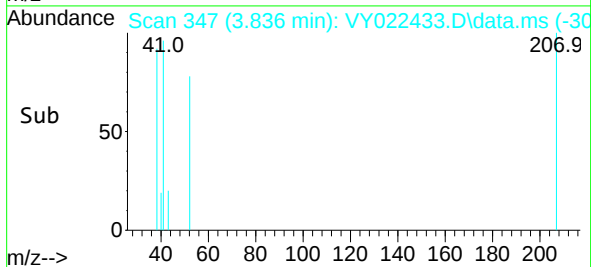
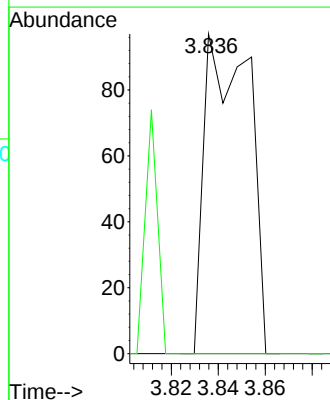
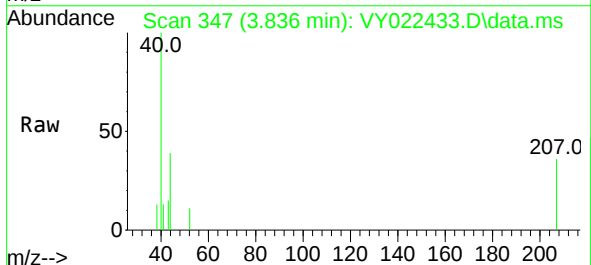


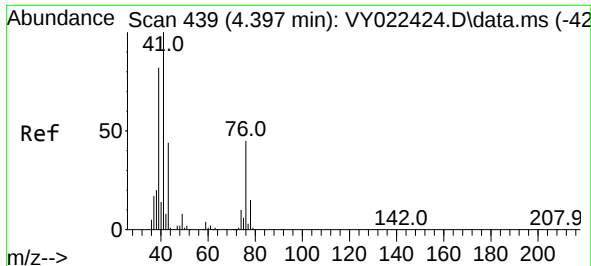
Tgt Ion: 53 Resp: 63
Ion Ratio Lower Upper
53 100
52 0.0 65.1 97.7#
51 0.0 30.0 45.0#



#16
Acetone
Concen: 343.965 ug/l
RT: 3.836 min Scan# 347
Delta R.T. -0.043 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#

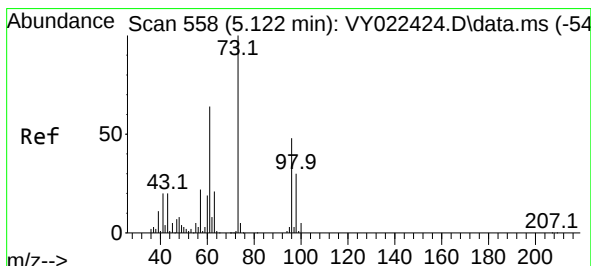
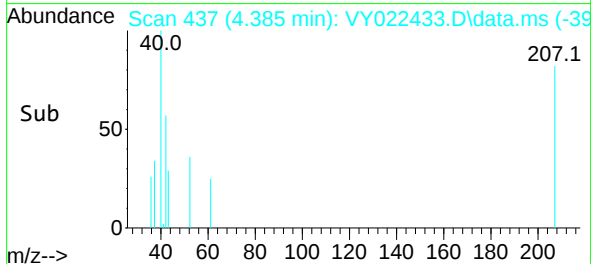
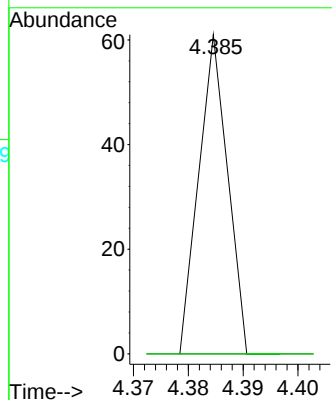
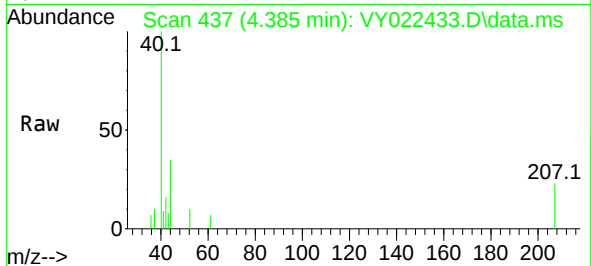




#18
Methyl Acetate
Concen: 15.782 ug/l
RT: 4.385 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

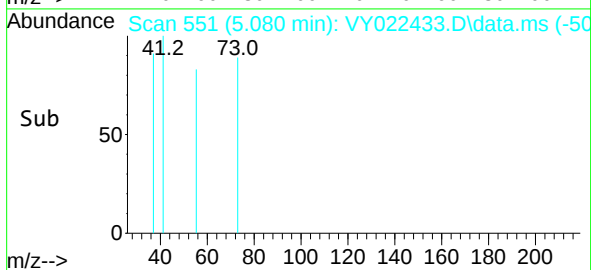
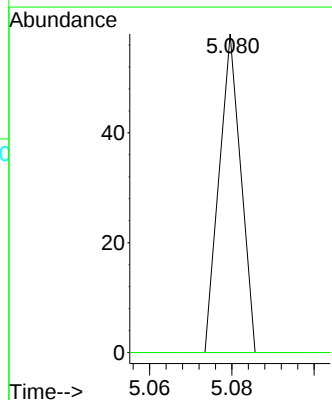
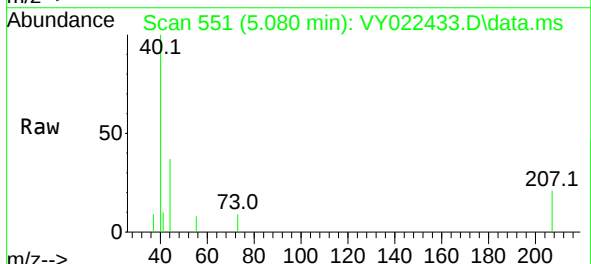
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

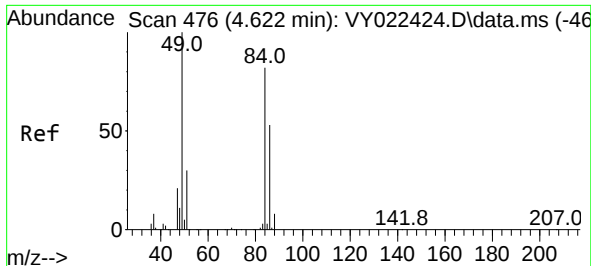
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#19
Methyl tert-butyl Ether
Concen: 3.511 ug/l
RT: 5.080 min Scan# 551
Delta R.T. -0.043 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

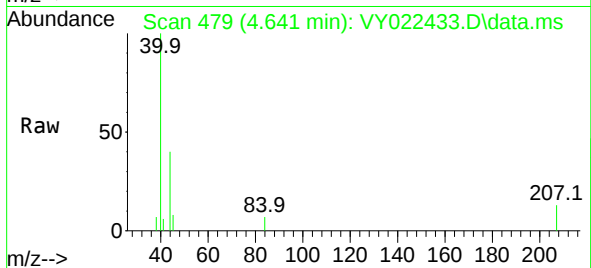
Tgt Ion: 73 Resp: 21
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



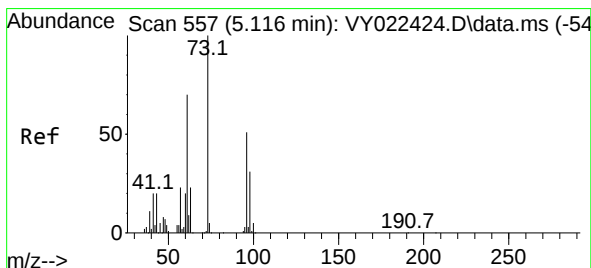
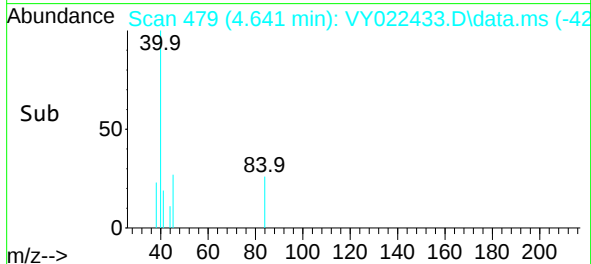
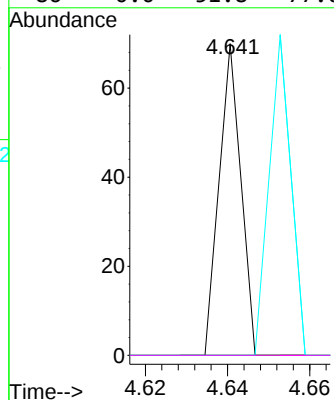


#20
Methylene Chloride
Concen: 9.894 ug/l
RT: 4.641 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

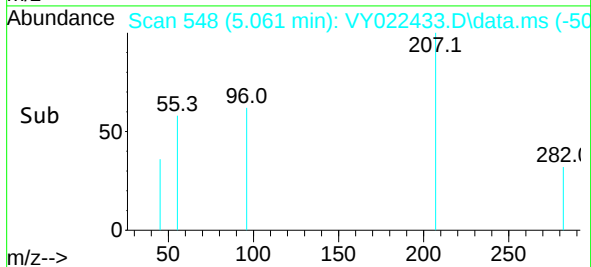
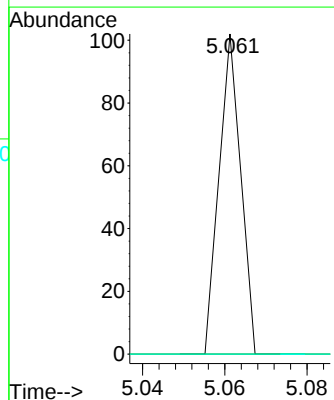
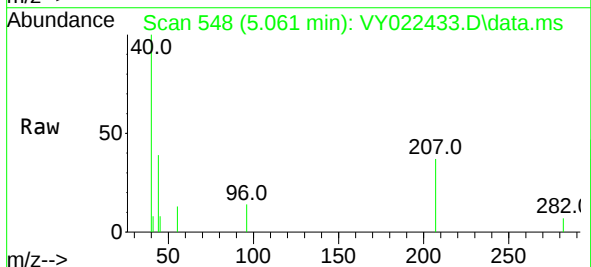


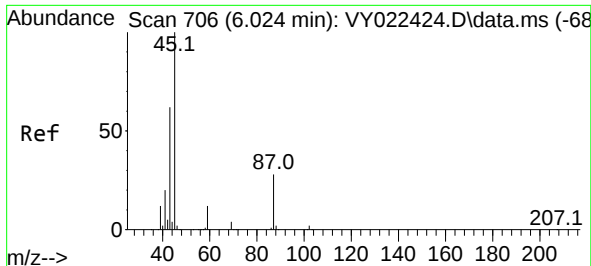
Tgt Ion:	84	Resp:	26
Ion	Ratio	Lower	Upper
84	100		
49	0.0	97.8	146.8#
51	0.0	29.5	44.3#
86	0.0	51.8	77.6#



#21
trans-1,2-Dichloroethene
Concen: 15.046 ug/l
RT: 5.061 min Scan# 548
Delta R.T. -0.055 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

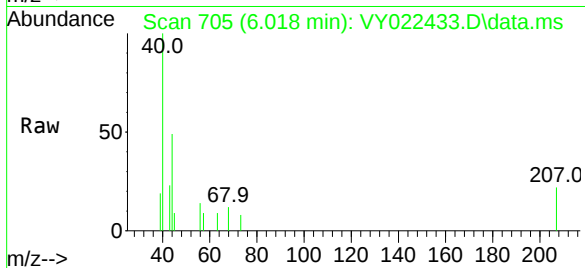
Tgt Ion:	96	Resp:	37
Ion	Ratio	Lower	Upper
96	100		
61	0.0	110.4	165.6#
98	0.0	48.6	73.0#



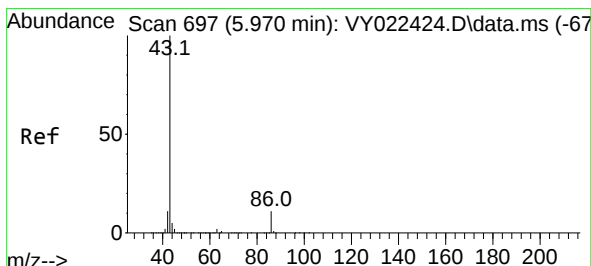
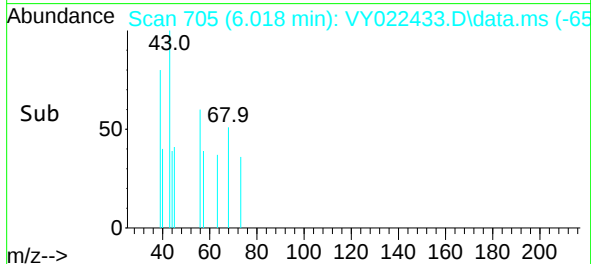
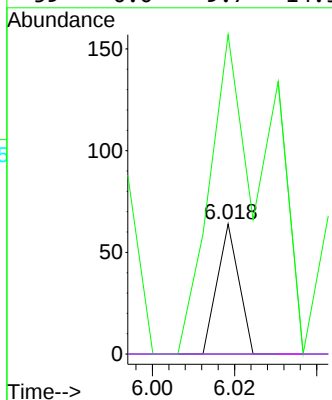


#22
Diisopropyl ether
Concen: 3.075 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

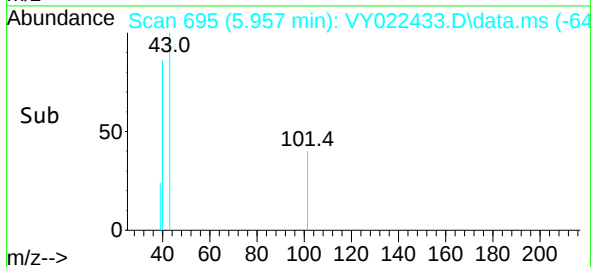
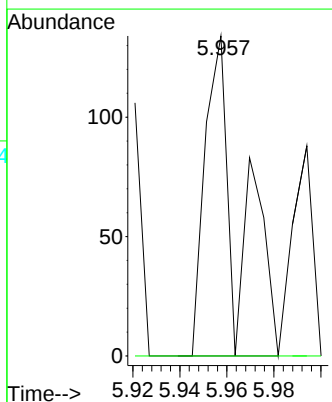
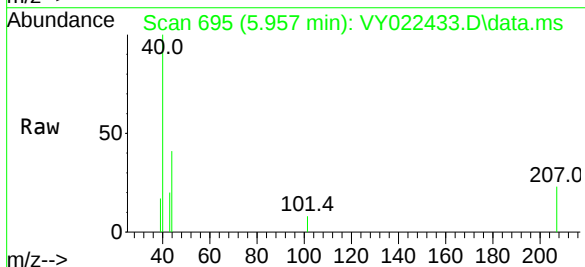


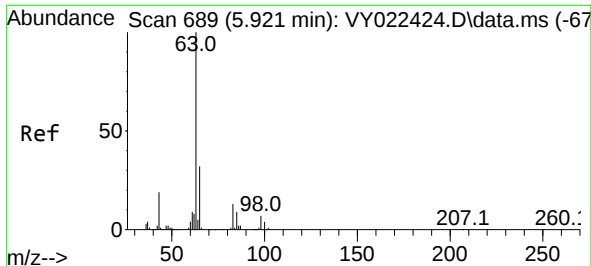
Tgt Ion: 45	Resp: 23
Ion Ratio	Lower Upper
45 100	
43 245.3	49.8 74.8#
87 0.0	23.0 34.6#
59 0.0	9.7 14.5#



#23
Vinyl Acetate
Concen: 31.672 ug/l
RT: 5.957 min Scan# 695
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 43	Resp: 136
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#





#24

1,1-Dichloroethane

Concen: 4.752 ug/l

RT: 6.018 min Scan# 705

Delta R.T. 0.098 min

Lab File: VY022433.D

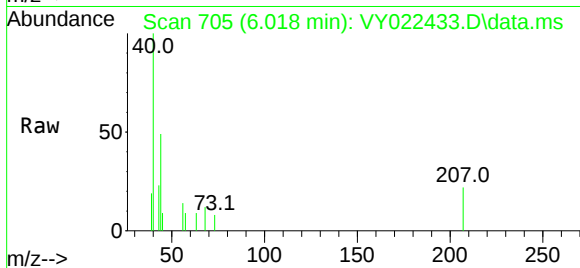
Acq: 27 May 2025 14:51

Instrument :

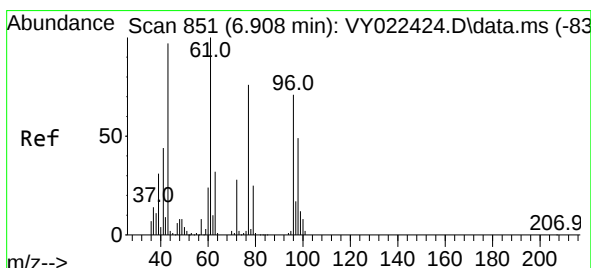
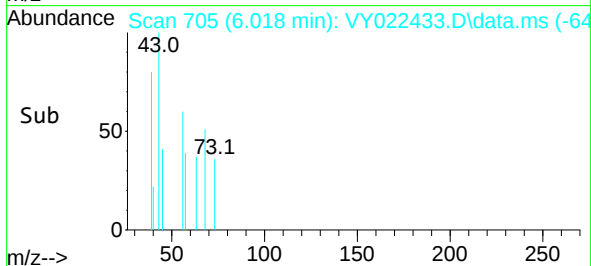
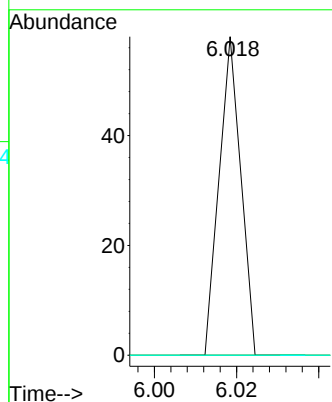
MSVOA_Y

ClientSampleId :

HD-02-05222025



Tgt Ion: 63	Resp: 21
Ion Ratio	Lower Upper
63	100
98	0.0 3.5 10.5#
100	0.0 2.1 6.5#



#25

2-Butanone

Concen: 250.100 ug/l

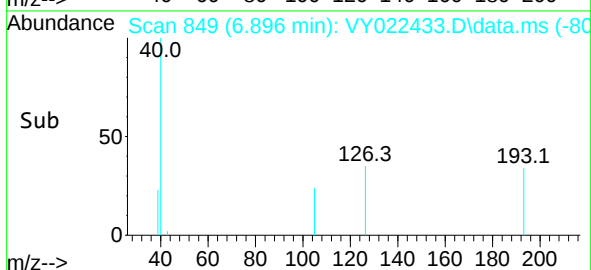
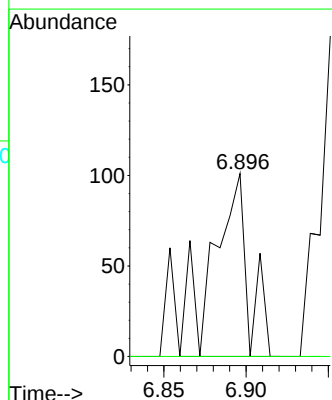
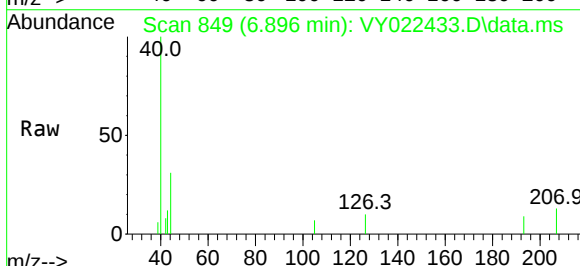
RT: 6.896 min Scan# 849

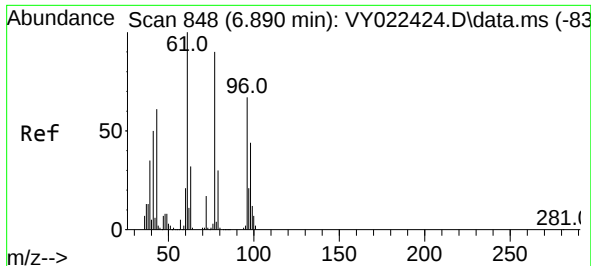
Delta R.T. -0.012 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Tgt Ion: 43	Resp: 155
Ion Ratio	Lower Upper
43	100
72	0.0 22.8 34.2#





#26

2,2-Dichloropropane

Concen: 7.997 ug/l

RT: 6.927 min Scan# 81

Delta R.T. 0.037 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

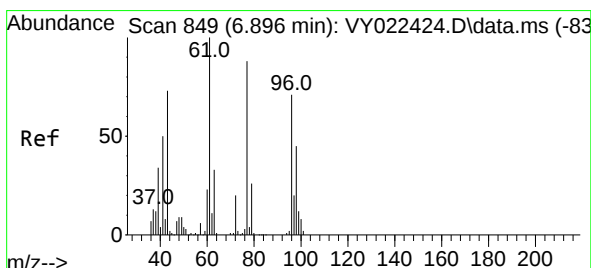
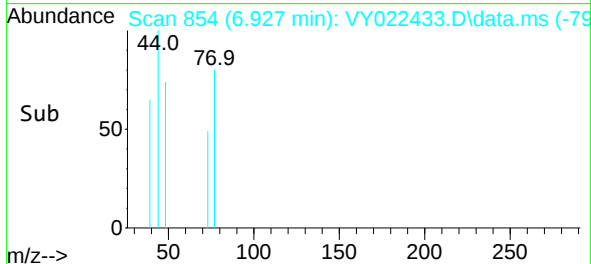
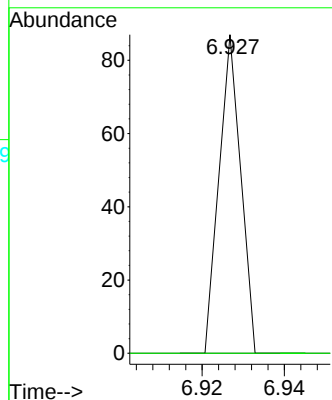
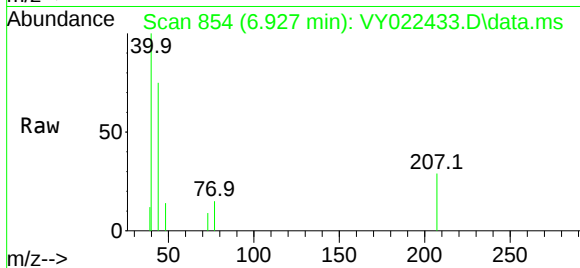
HD-02-05222025

Tgt Ion: 77 Resp: 32

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#



#27

cis-1,2-Dichloroethene

Concen: 7.376 ug/l

RT: 6.915 min Scan# 852

Delta R.T. 0.018 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

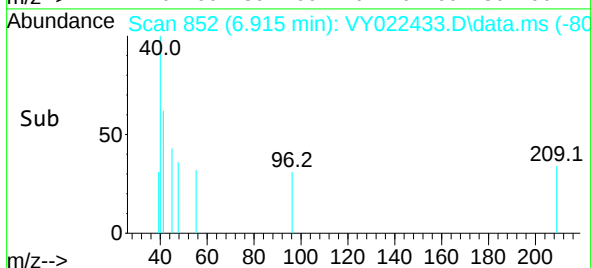
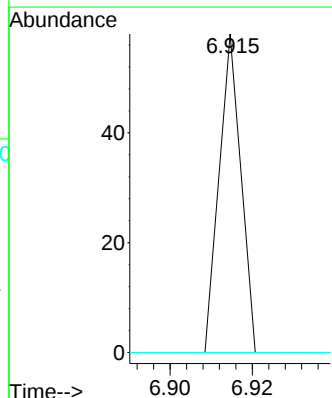
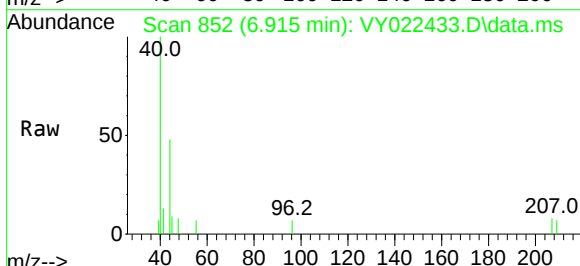
Tgt Ion: 96 Resp: 21

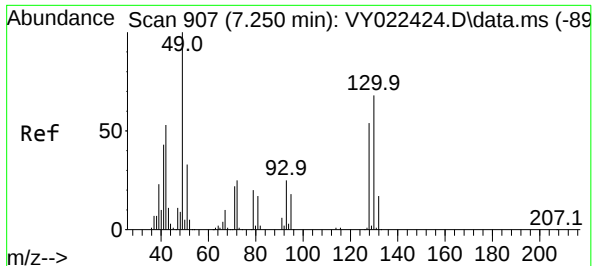
Ion Ratio Lower Upper

96 100

61 0.0 0.0 292.0

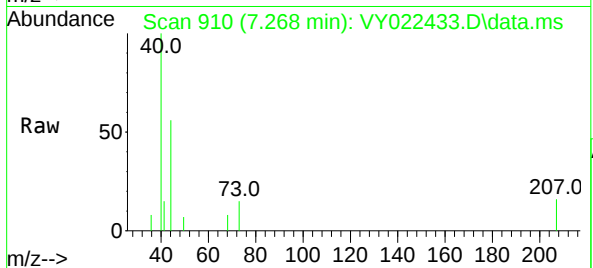
98 0.0 0.0 131.0



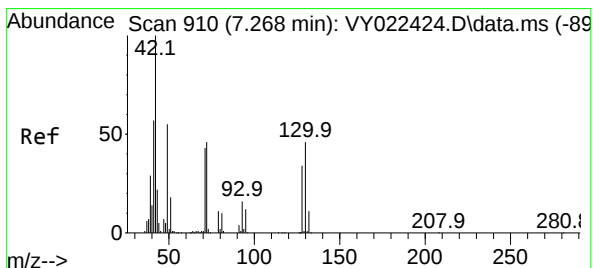
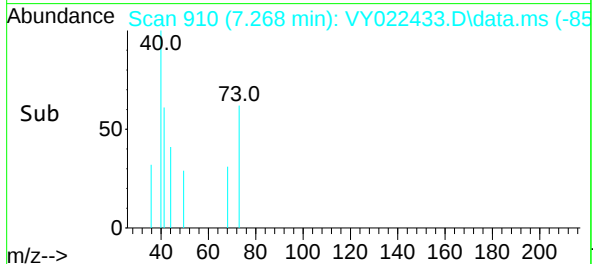
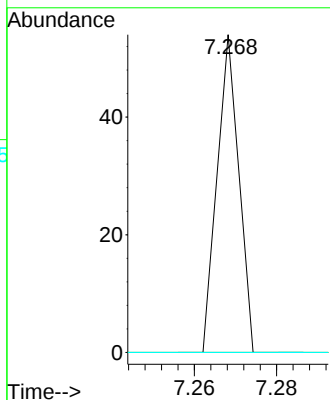


#28
Bromochloromethane
Concen: 10.838 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

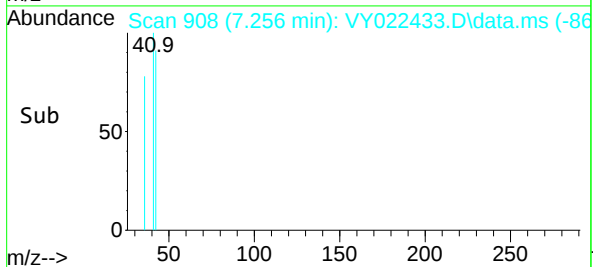
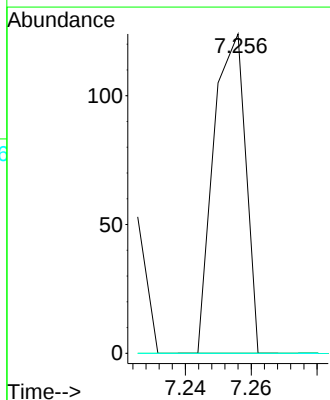
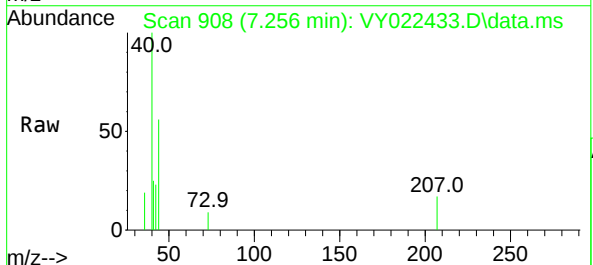


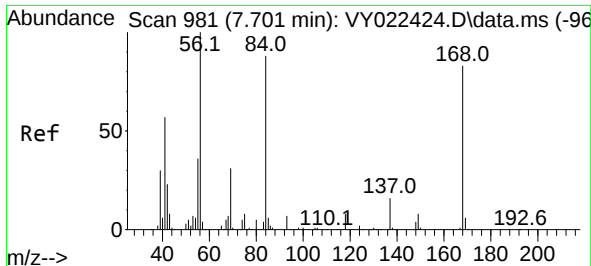
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 56.9 85.3#



#29
Tetrahydrofuran
Concen: 203.229 ug/l
RT: 7.256 min Scan# 908
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 42 Resp: 84
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 0.0 34.7 52.1#

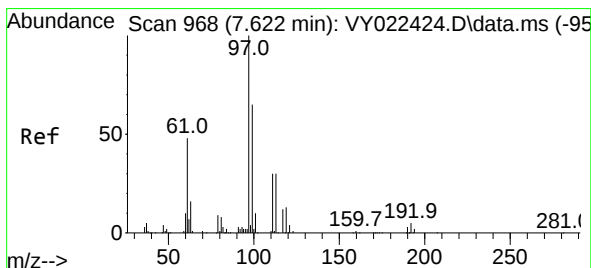
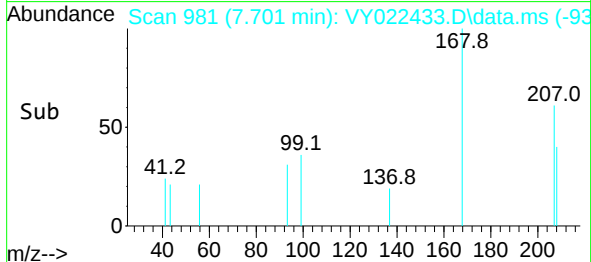
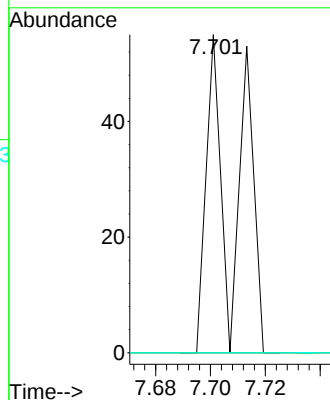
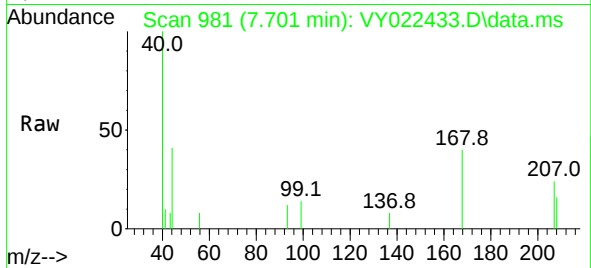




#31
Cyclohexane
Concen: 9.183 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

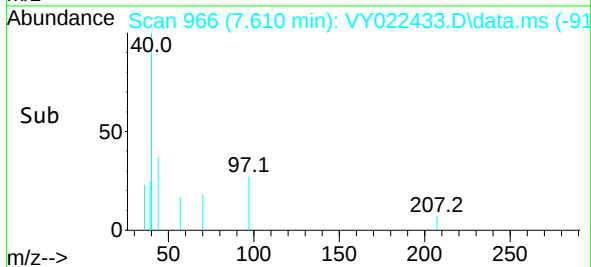
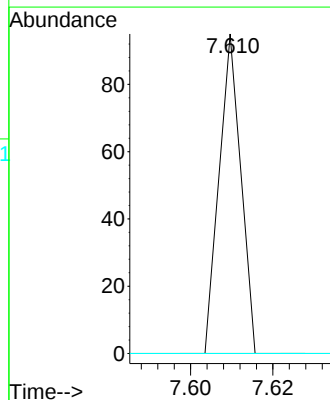
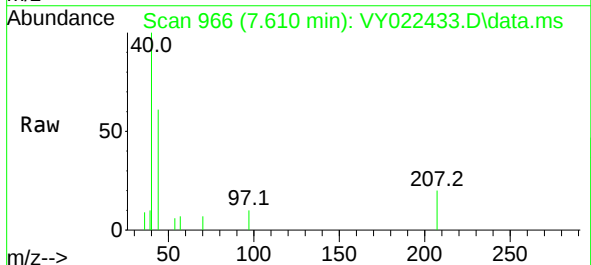
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

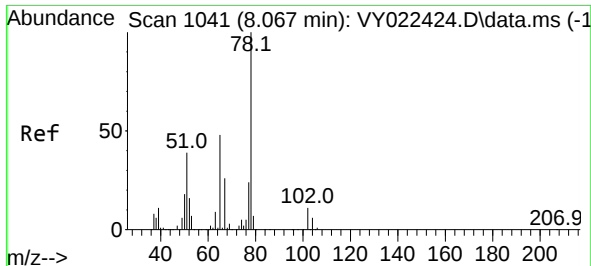
Tgt Ion: 56 Resp: 40
Ion Ratio Lower Upper
56 100
69 0.0 24.6 36.8#
84 0.0 70.4 105.6#



#32
1,1,1-Trichloroethane
Concen: 8.857 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 97 Resp: 35
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 0.0 37.3 55.9#





#33

1,2-Dichloroethane-d4

Concen: 204.008 ug/l

RT: 8.055 min Scan# 11039

Delta R.T. -0.012 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

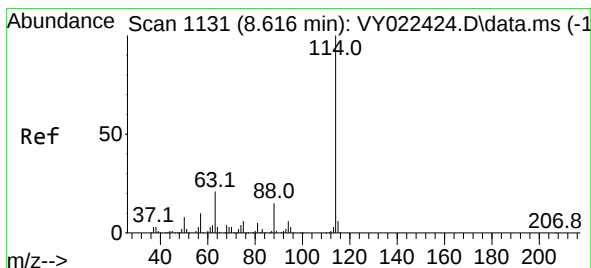
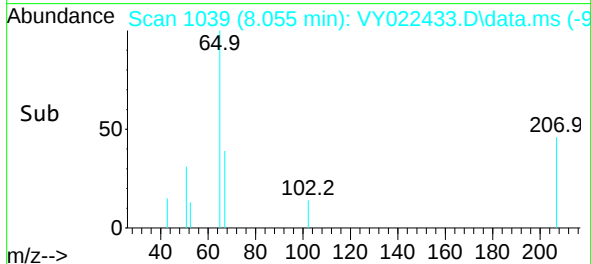
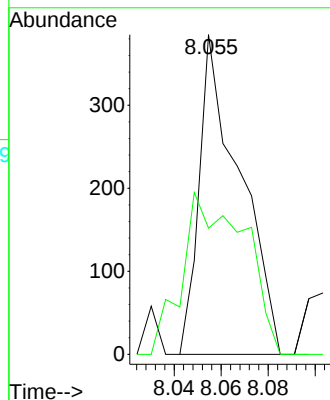
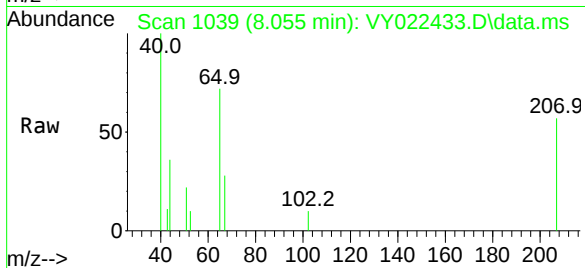
HD-02-05222025

Tgt Ion: 65 Resp: 462

Ion Ratio Lower Upper

65 100

67 78.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

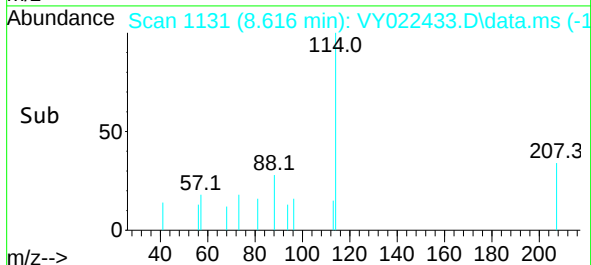
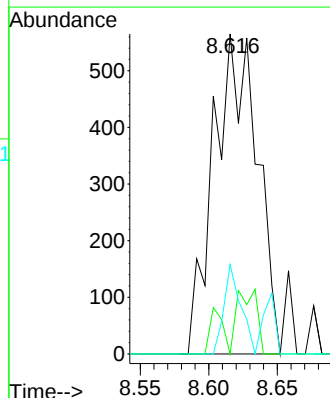
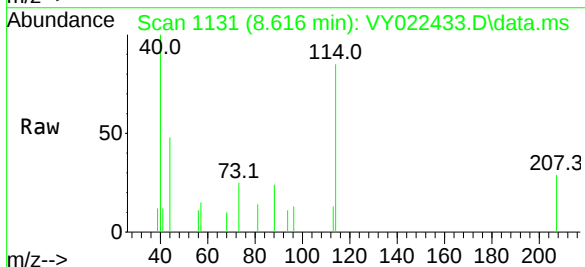
Tgt Ion: 114 Resp: 1246

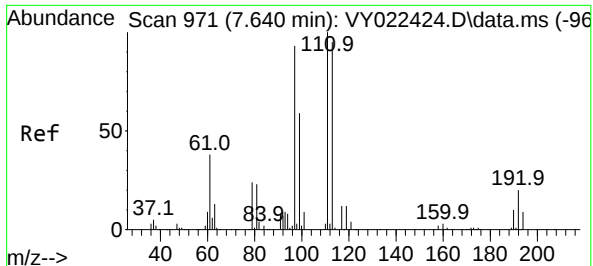
Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.6

88 28.0 0.0 29.4

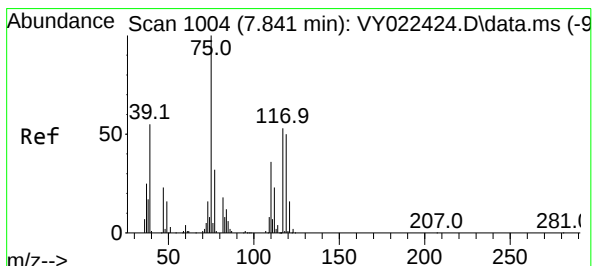
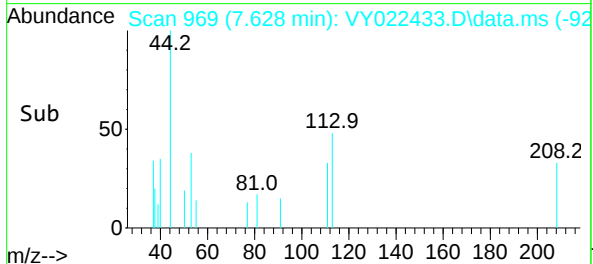
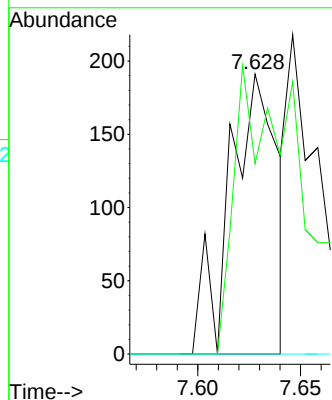
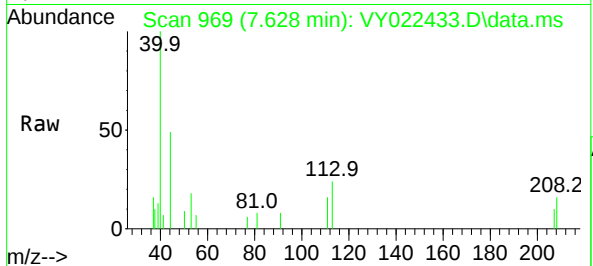




#35
Dibromofluoromethane
Concen: 42.209 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

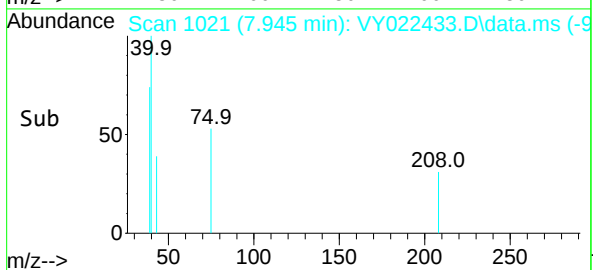
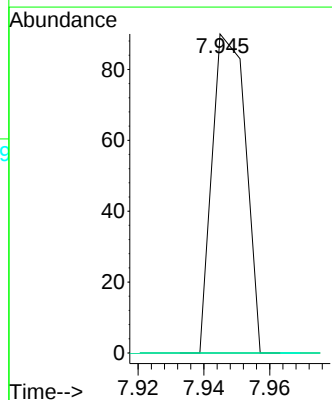
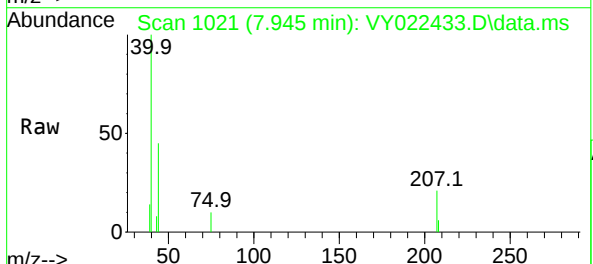
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

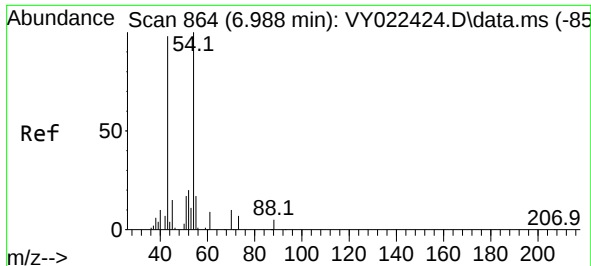
Tgt Ion:113 Resp: 308
Ion Ratio Lower Upper
113 100
111 48.7 82.4 123.6#
192 0.0 15.2 22.8#



#36
1,1-Dichloropropene
Concen: 5.441 ug/l
RT: 7.945 min Scan# 1021
Delta R.T. 0.104 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 12.802 ug/l

RT: 7.000 min Scan# 80

Delta R.T. 0.012 min

Lab File: VY022433.D

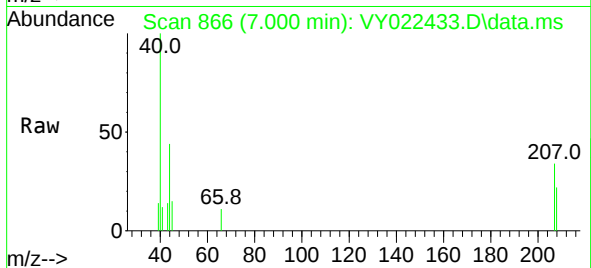
Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025



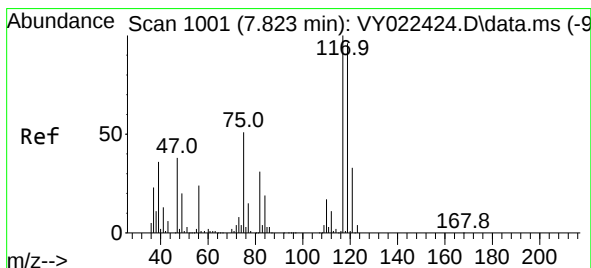
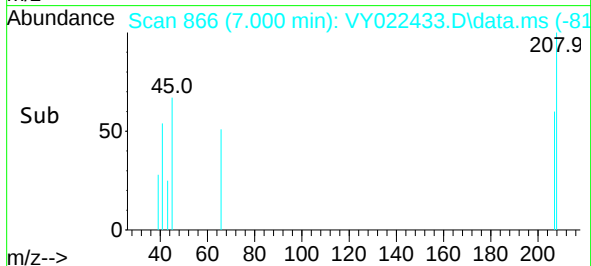
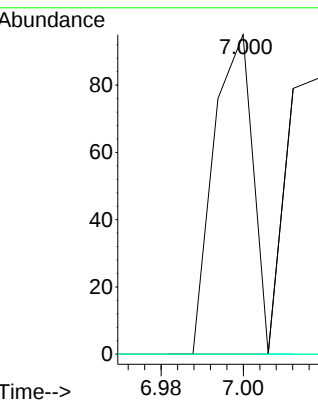
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 2.487 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

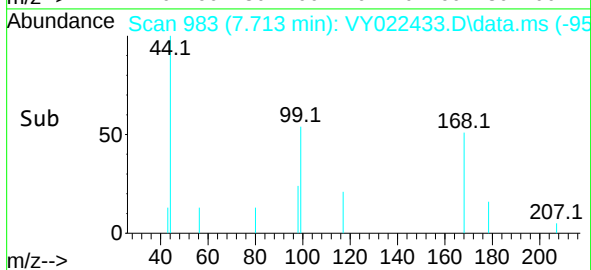
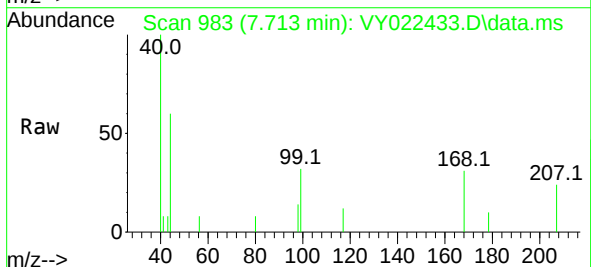
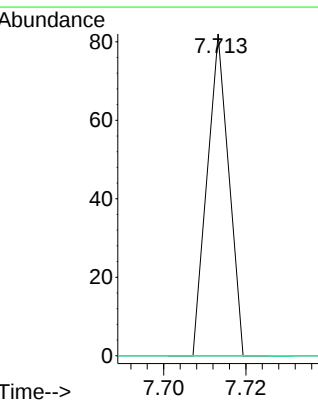
Tgt Ion: 117 Resp: 30

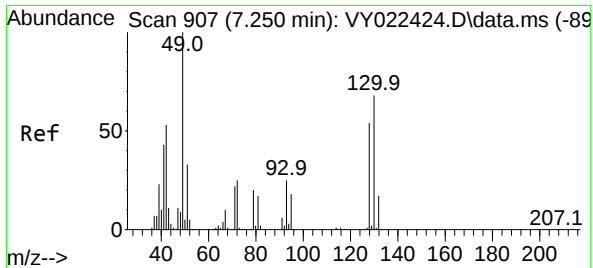
Ion Ratio Lower Upper

117 100

119 0.0 76.3 114.5#

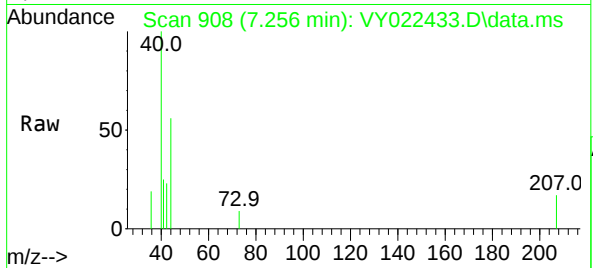
121 0.0 26.1 39.1#



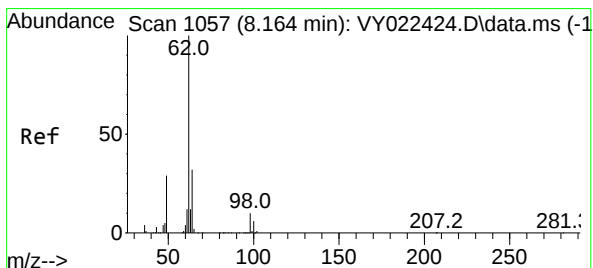
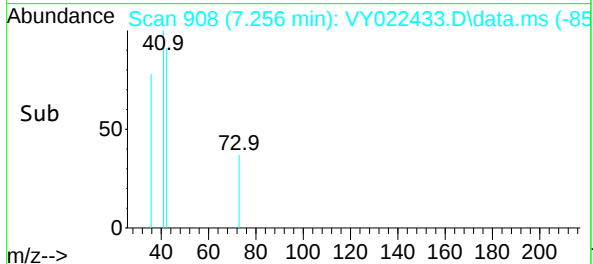
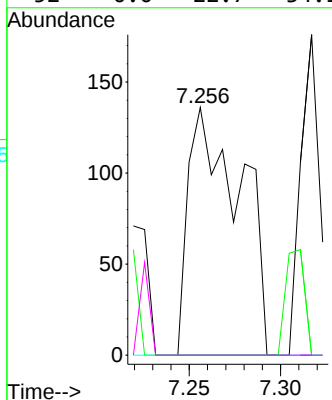


#41
Methacrylonitrile
Concen: 89.731 ug/l
RT: 7.256 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

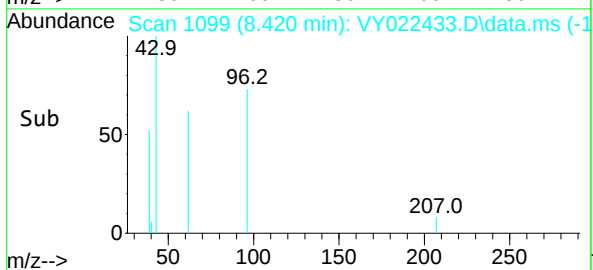
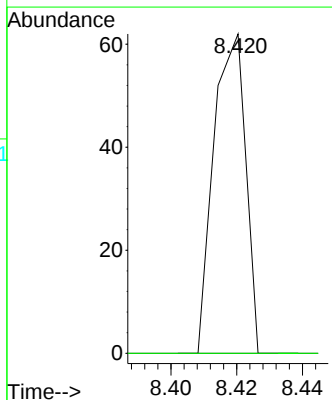
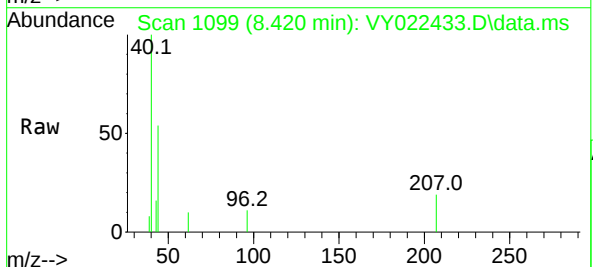


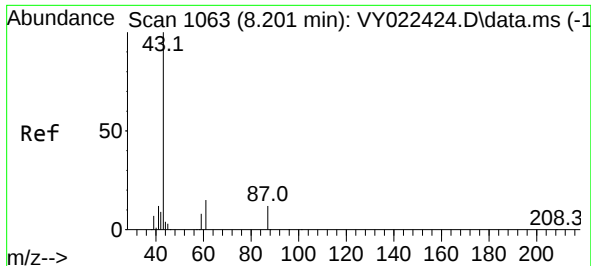
Tgt Ion:	41	Resp:	268
Ion	Ratio	Lower	Upper
41	100		
39	0.0	40.4	60.6#
67	0.0	53.0	79.4#
52	0.0	22.7	34.1#



#42
1,2-Dichloroethane
Concen: 4.616 ug/l
RT: 8.420 min Scan# 1099
Delta R.T. 0.256 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion:	62	Resp:	42
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.4

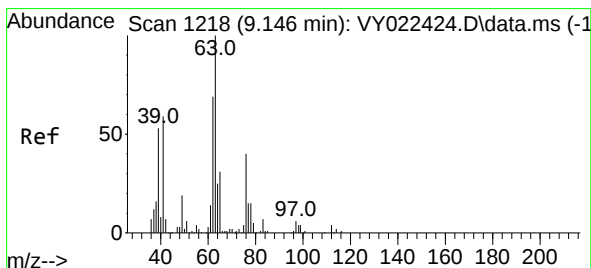
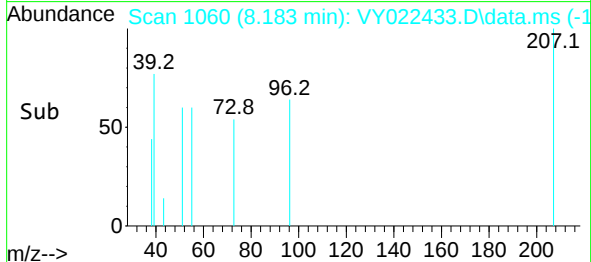
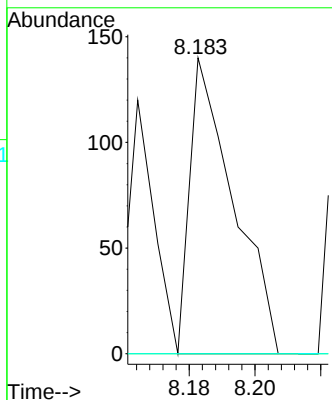
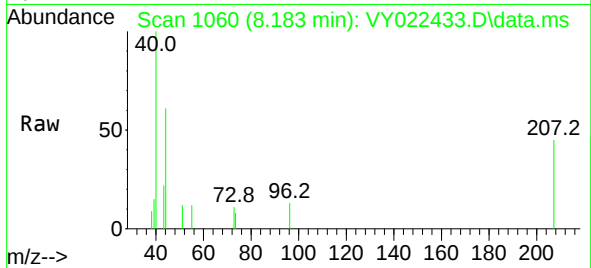




#43
Isopropyl Acetate
Concen: 11.996 ug/l
RT: 8.183 min Scan# 1060
Delta R.T. -0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

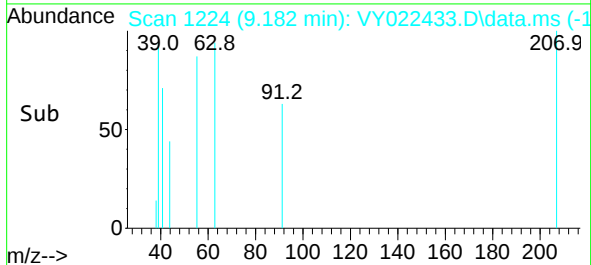
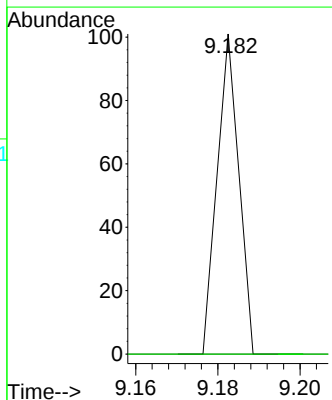
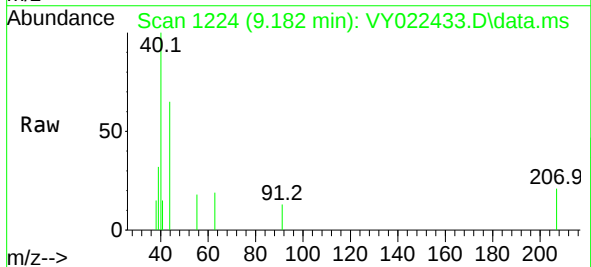
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

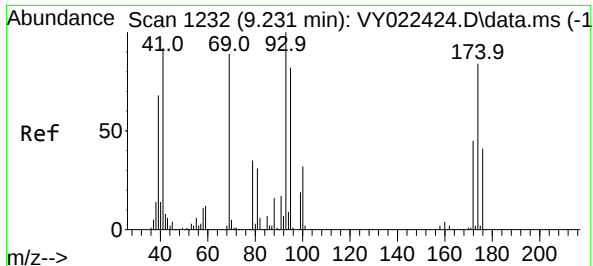
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.6 15.8#



#45
1,2-Dichloropropane
Concen: 4.571 ug/l
RT: 9.182 min Scan# 1224
Delta R.T. 0.037 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 63 Resp: 37
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#46

Dibromomethane

Concen: 7.740 ug/l

RT: 9.109 min Scan# 11

Delta R.T. -0.122 min

Lab File: VY022433.D

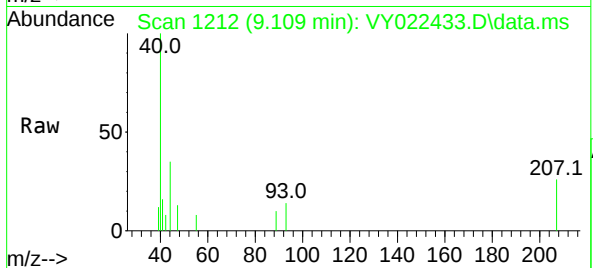
Acq: 27 May 2025 14:51

Instrument :

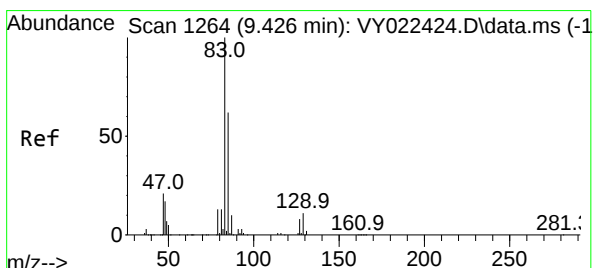
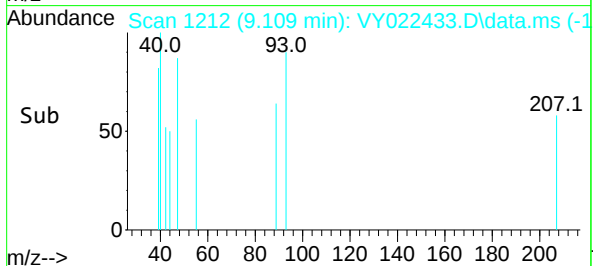
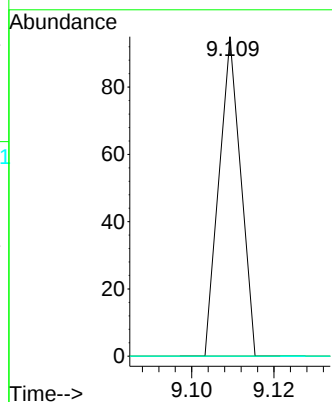
MSVOA_Y

ClientSampleId :

HD-02-05222025



Tgt Ion:	93	Resp:	35
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.2#
174	0.0	71.1	106.7#



#47

Bromodichloromethane

Concen: 1.892 ug/l

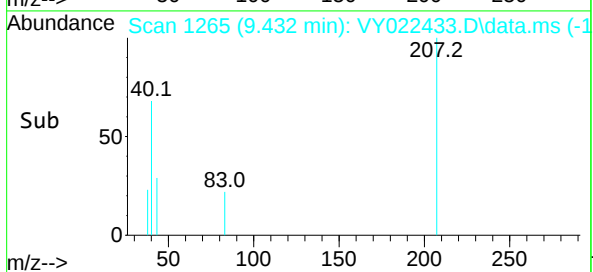
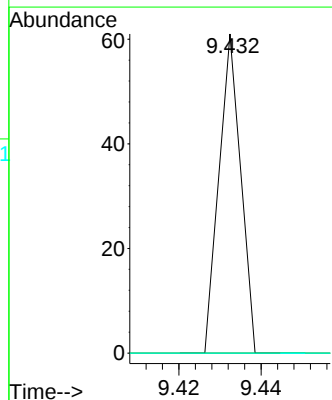
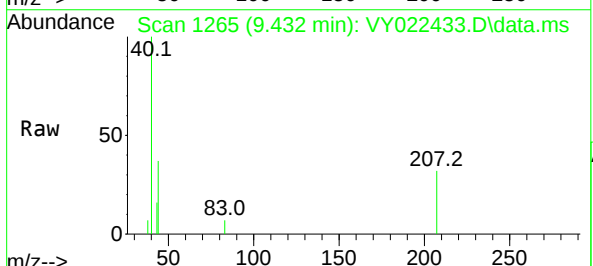
RT: 9.432 min Scan# 1265

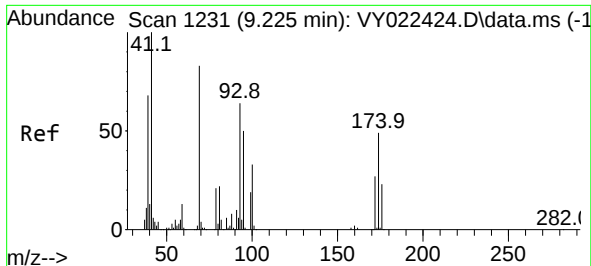
Delta R.T. 0.006 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Tgt Ion:	83	Resp:	22
Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.8	74.6#
127	0.0	6.6	9.8#





#48

Methyl methacrylate

Concen: 43.673 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022433.D

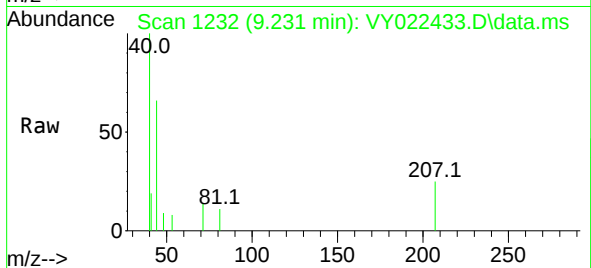
Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025



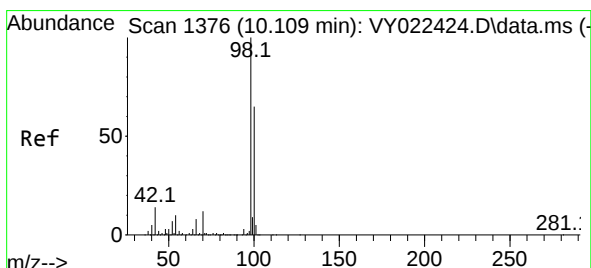
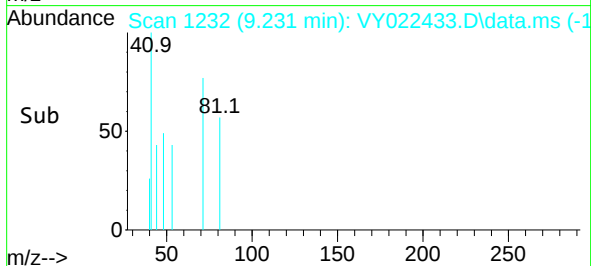
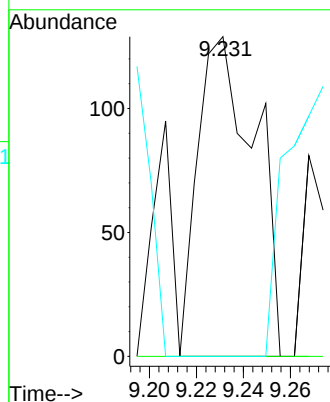
Tgt Ion: 41 Resp: 218

Ion Ratio Lower Upper

41 100

69 0.0 70.3 105.5#

39 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 26.928 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY022433.D

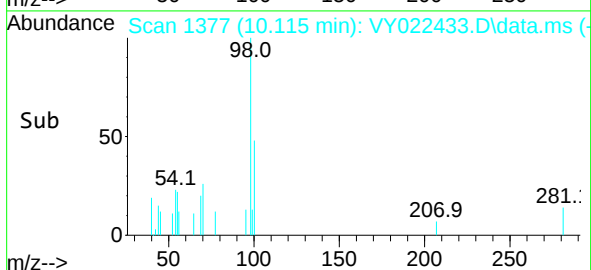
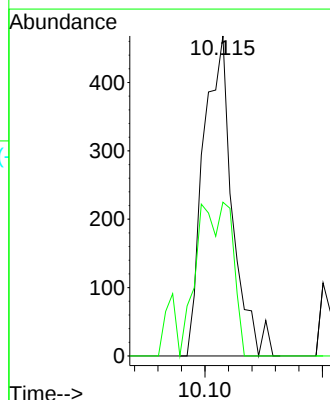
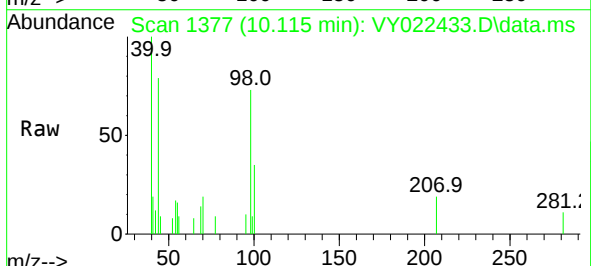
Acq: 27 May 2025 14:51

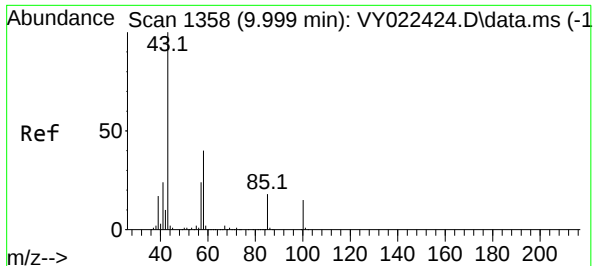
Tgt Ion: 98 Resp: 801

Ion Ratio Lower Upper

98 100

100 35.6 52.2 78.2#





#51

4-Methyl-2-Pentanone

Concen: 20.544 ug/l

RT: 9.981 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

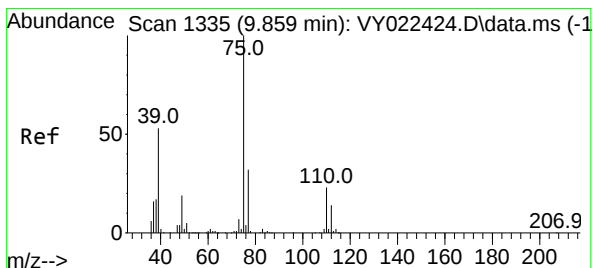
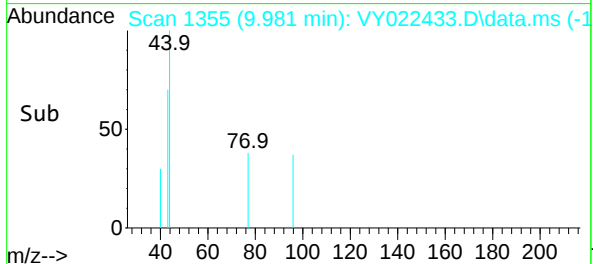
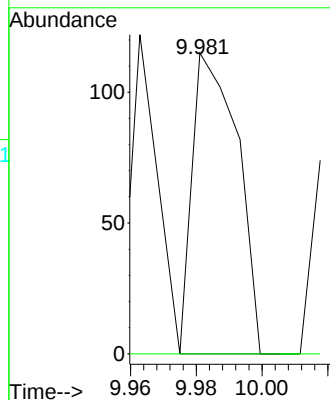
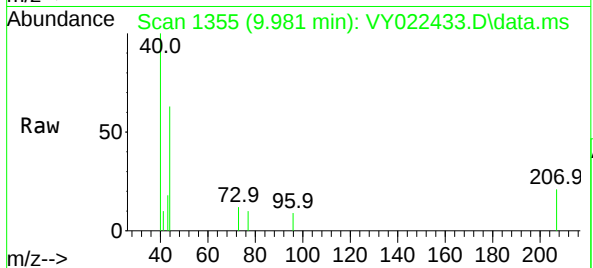
HD-02-05222025

Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

58 0.0 31.2 46.8#



#54

cis-1,3-Dichloropropene

Concen: 1.571 ug/l

RT: 10.085 min Scan# 1372

Delta R.T. 0.226 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

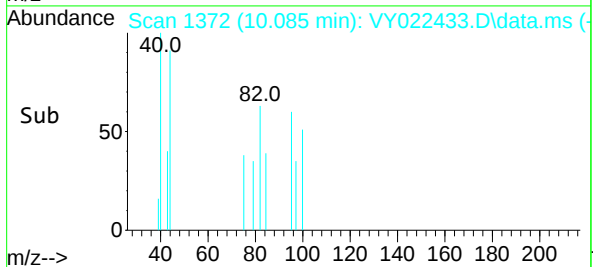
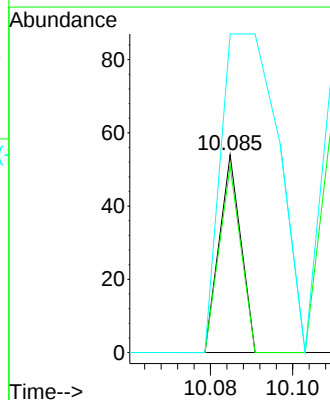
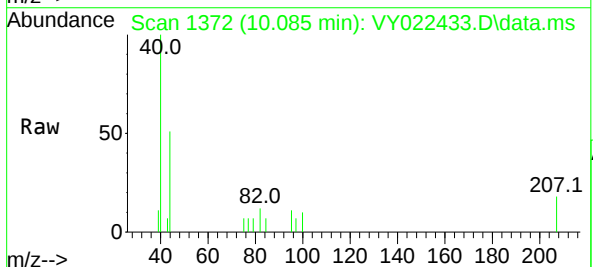
Tgt Ion: 75 Resp: 20

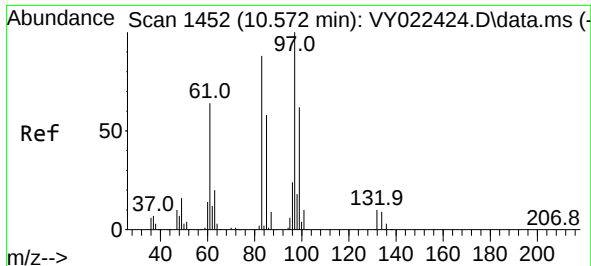
Ion Ratio Lower Upper

75 100

77 94.4 25.4 38.2#

39 161.1 42.5 63.7#

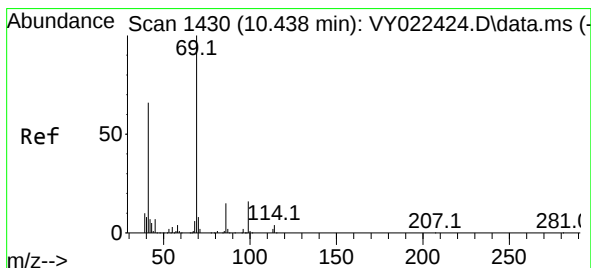
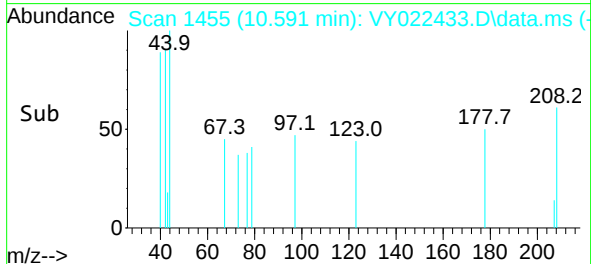
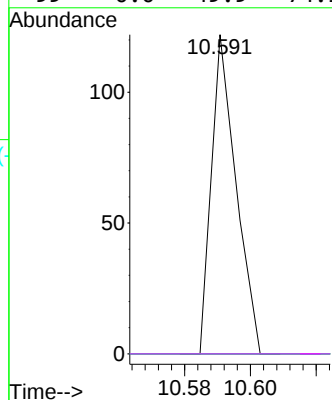
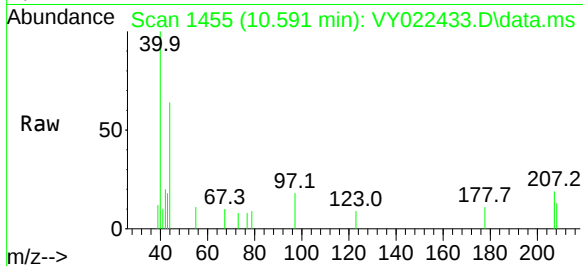




#55
1,1,2-Trichloroethane
Concen: 11.019 ug/l
RT: 10.591 min Scan# 1455
Delta R.T. 0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

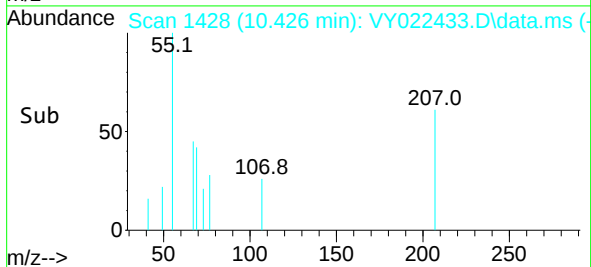
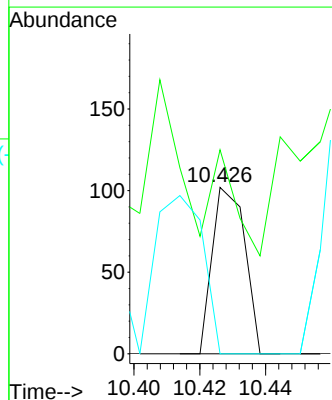
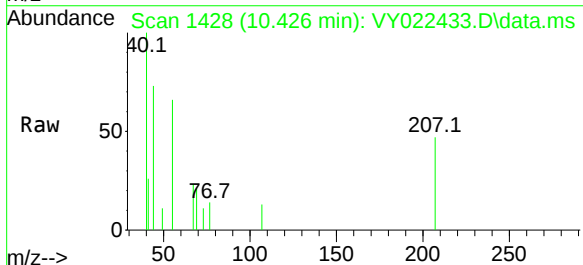
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

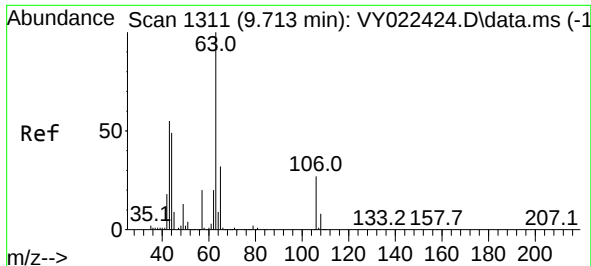
Tgt Ion: 97	Resp: 63
Ion Ratio	Lower Upper
97 100	
83 0.0	70.2 105.4#
85 0.0	46.1 69.1#
99 0.0	49.9 74.9#



#56
Ethyl methacrylate
Concen: 8.531 ug/l
RT: 10.426 min Scan# 1428
Delta R.T. -0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 69	Resp: 70		
Ion Ratio	Lower	Upper	
69 100			
41 144.3	51.2	76.8#	
39 167.1	35.2	52.8#	

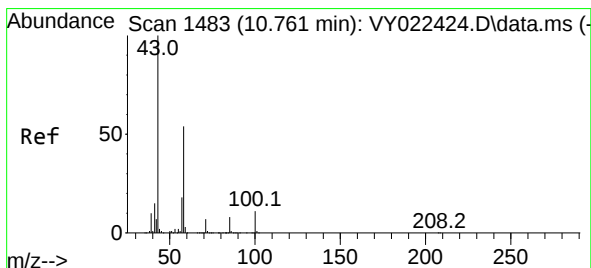
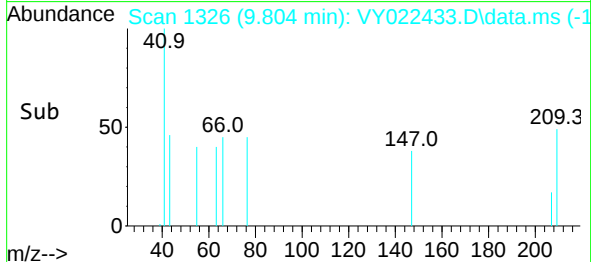
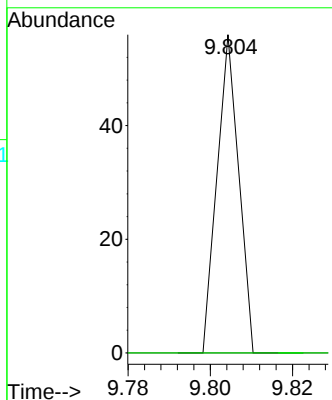
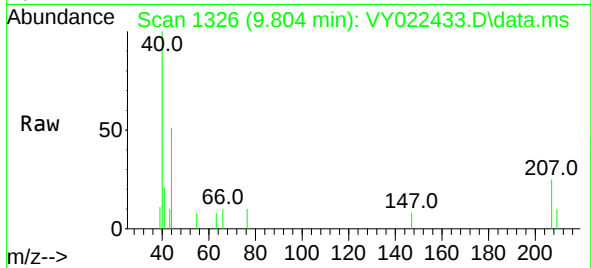




#58
2-Chloroethyl Vinyl ether
Concen: 4.891 ug/l
RT: 9.804 min Scan# 11
Delta R.T. 0.091 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

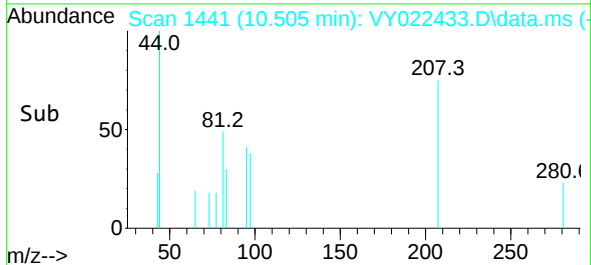
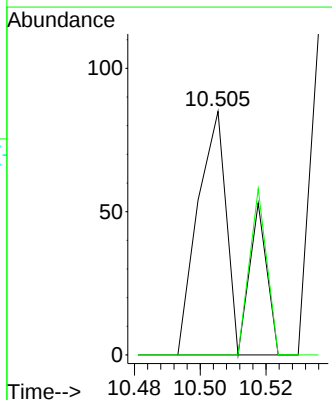
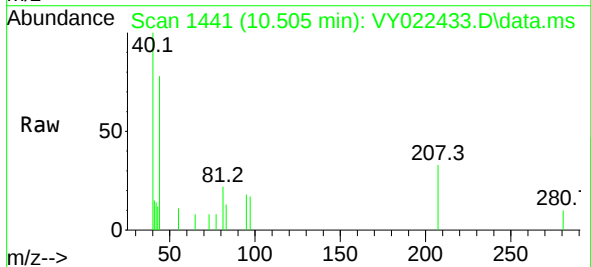
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

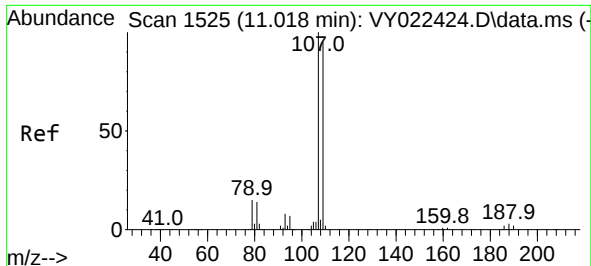
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#59
2-Hexanone
Concen: 20.132 ug/l
RT: 10.505 min Scan# 1441
Delta R.T. -0.256 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 30.0 27.1 81.2

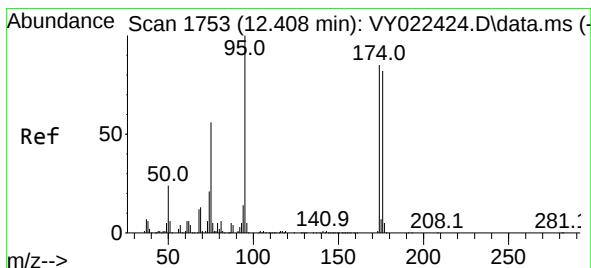
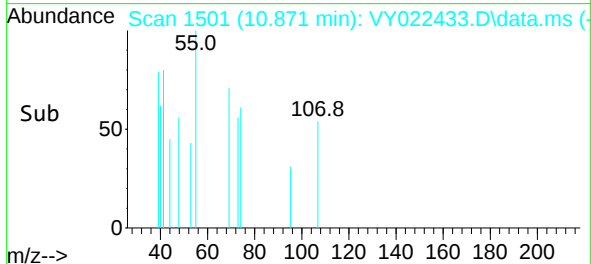
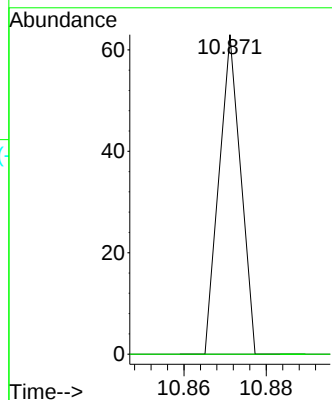
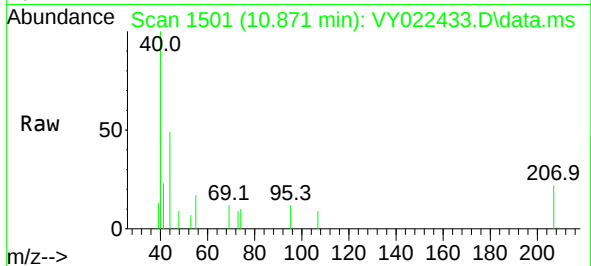




#61
1,2-Dibromoethane
Concen: 4.398 ug/l
RT: 10.871 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

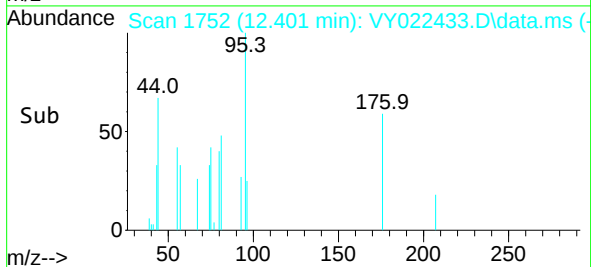
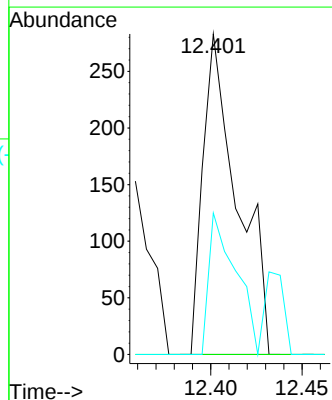
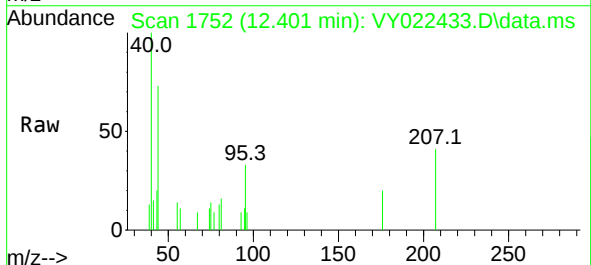
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

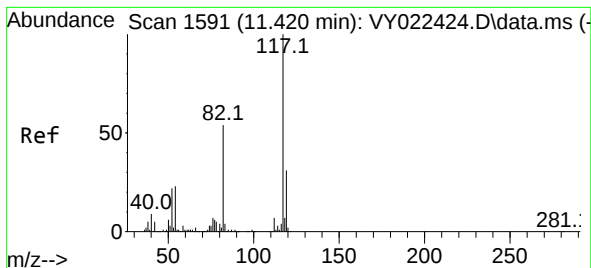
Tgt Ion:107 Resp: 23
Ion Ratio Lower Upper
107 100
109 0.0 74.0 111.0#



#62
4-Bromofluorobenzene
Concen: 41.343 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 95 Resp: 372
Ion Ratio Lower Upper
95 100
174 0.0 0.0 171.6
176 34.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

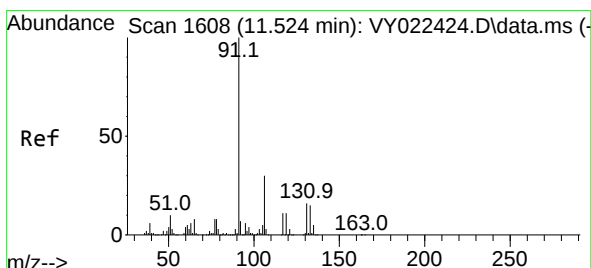
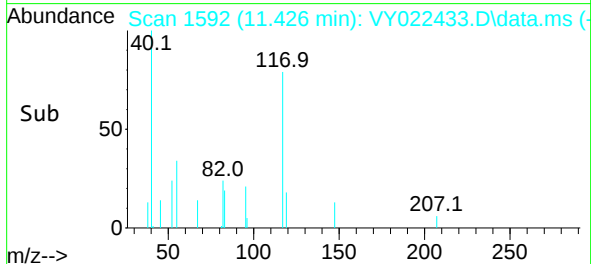
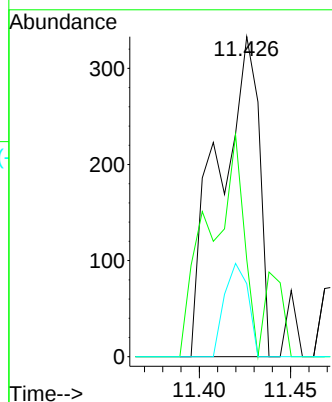
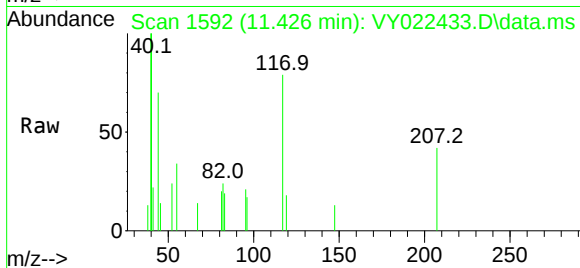
Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025

Tgt Ion:117	Resp:	515
Ion	Ratio	Lower Upper
117	100	
82	30.3	43.3 64.9#
119	22.8	24.5 36.7#



#67

Ethyl Benzene

Concen: 1.177 ug/l

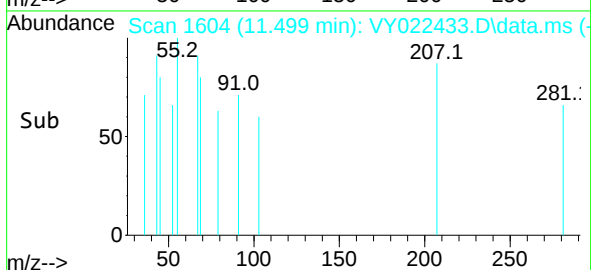
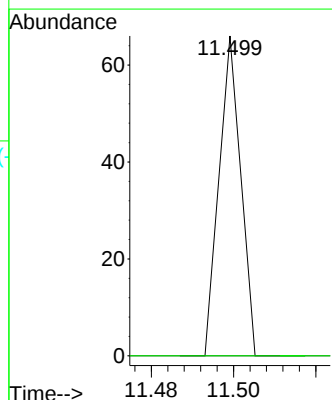
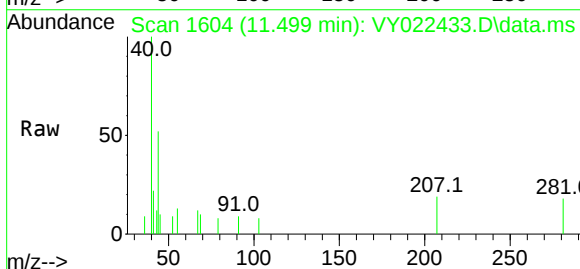
RT: 11.499 min Scan# 1604

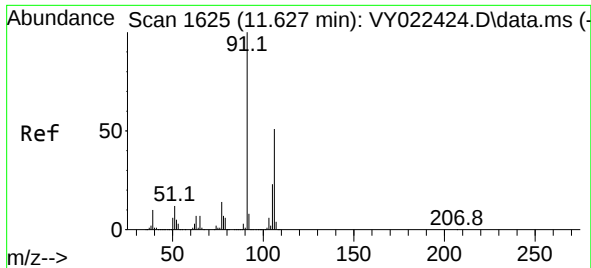
Delta R.T. -0.024 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Tgt Ion: 91	Resp:	24
Ion	Ratio	Lower Upper
91	100	
106	0.0	24.4 36.6#

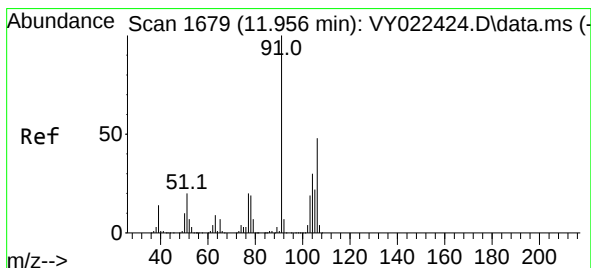
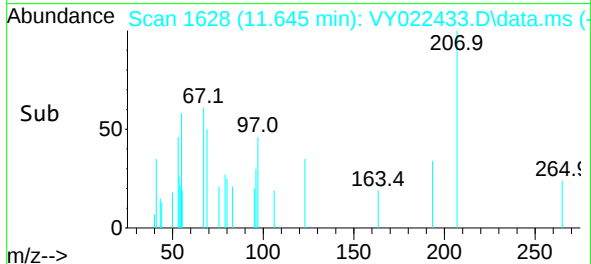
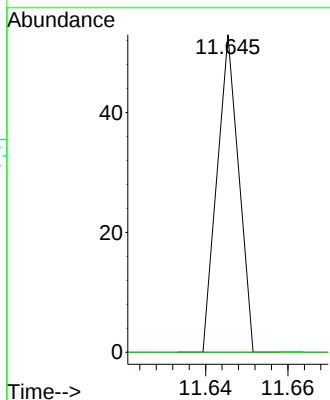
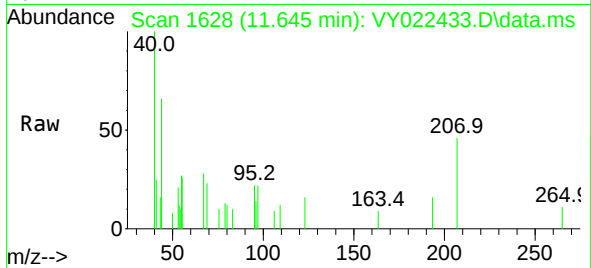




#68
m/p-Xylenes
Concen: 2.458 ug/l
RT: 11.645 min Scan# 1628
Delta R.T. 0.018 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

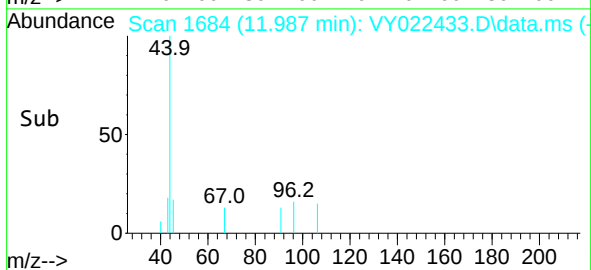
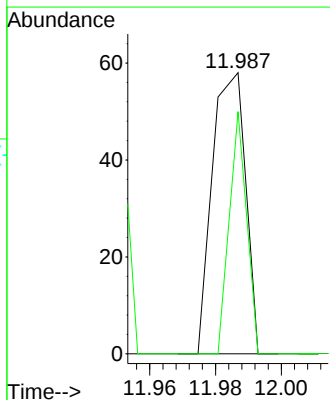
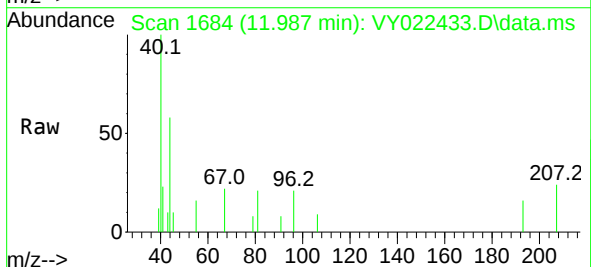
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

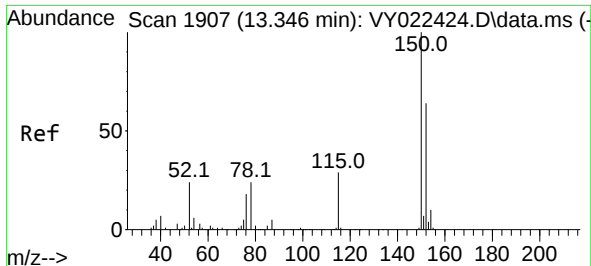
Tgt Ion:106 Resp: 19
Ion Ratio Lower Upper
106 100
91 0.0 159.8 239.8#



#69
o-Xylene
Concen: 5.643 ug/l
RT: 11.987 min Scan# 1684
Delta R.T. 0.030 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion:106 Resp: 41
Ion Ratio Lower Upper
106 100
91 43.9 106.3 318.9#

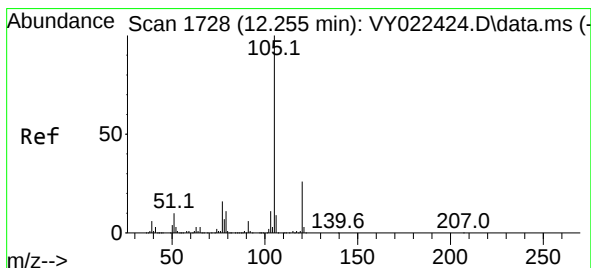
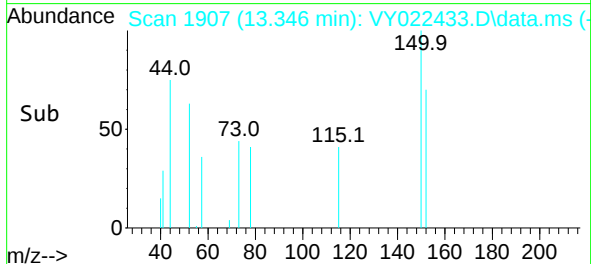
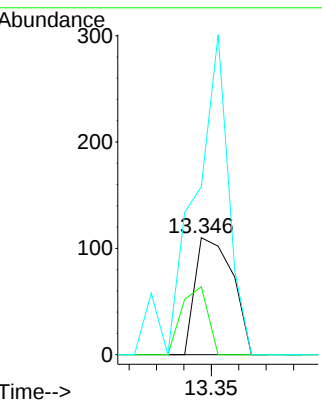
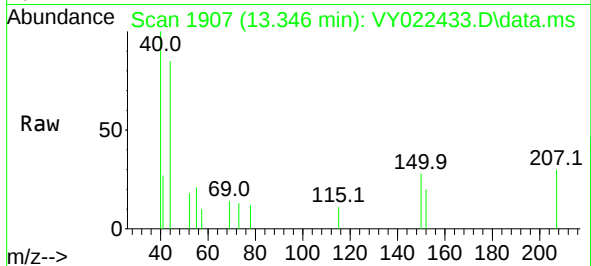




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022433.D
 Acq: 27 May 2025 14:51

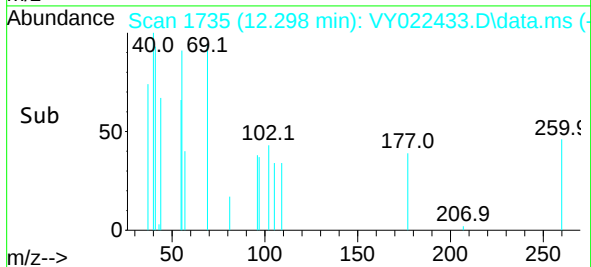
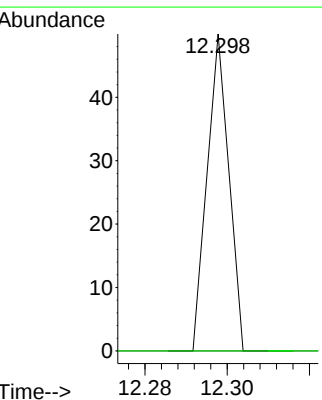
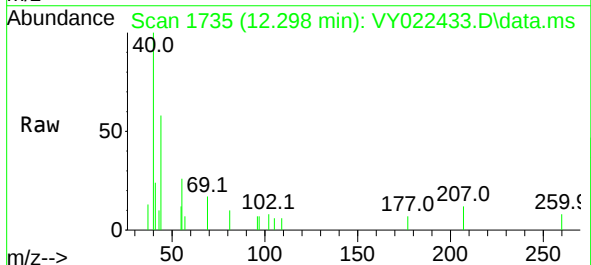
Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-05222025

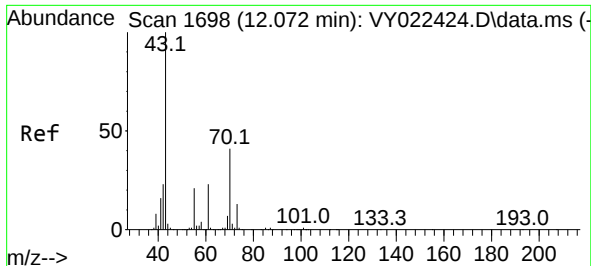
Tgt Ion	Ratio	Lower	Upper
152	100		
115	40.4	28.4	85.3
150	256.7	0.0	345.8



#73
 Isopropylbenzene
 Concen: 2.199 ug/l
 RT: 12.298 min Scan# 1735
 Delta R.T. 0.043 min
 Lab File: VY022433.D
 Acq: 27 May 2025 14:51

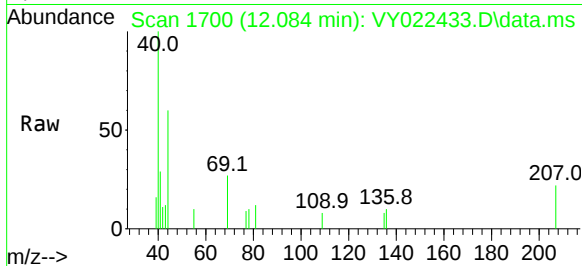
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.2	39.5



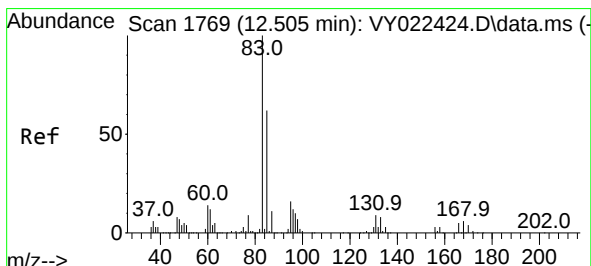
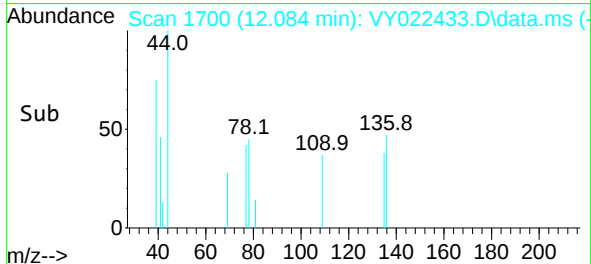
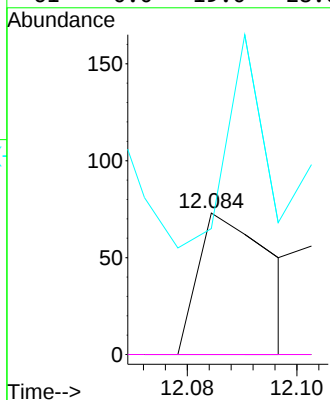


#74
N-amy1 acetate
Concen: 33.951 ug/l
RT: 12.084 min Scan# 1773
Delta R.T. 0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

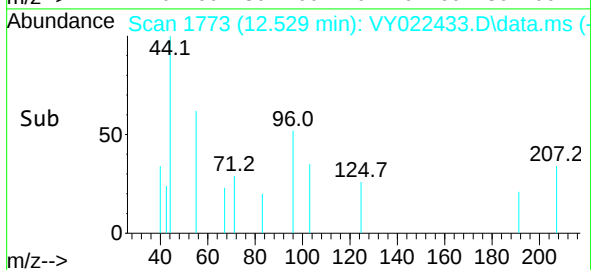
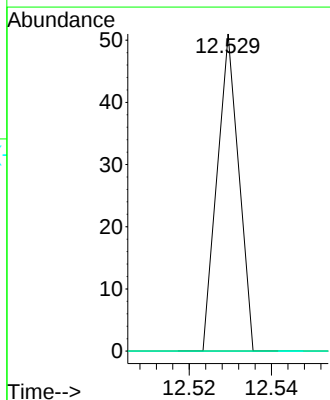
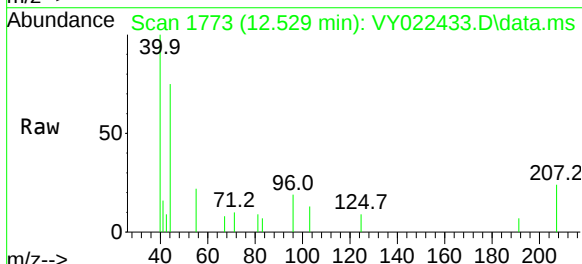


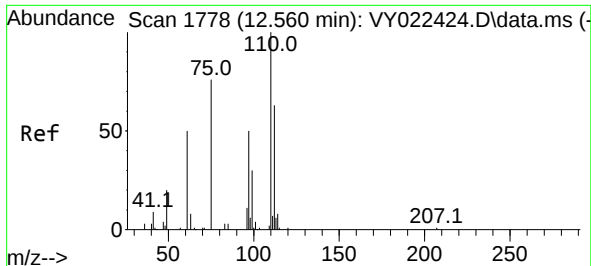
Tgt Ion:	43	Resp:	68
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.0	49.4#
55	260.3	17.5	26.3#
61	0.0	19.0	28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 14.733 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. 0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion:	83	Resp:	19
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.0	96.2#

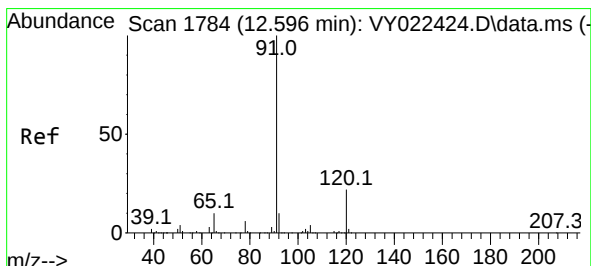
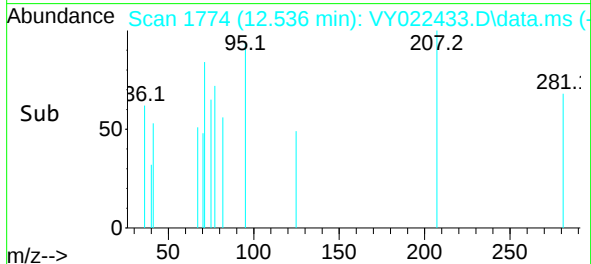
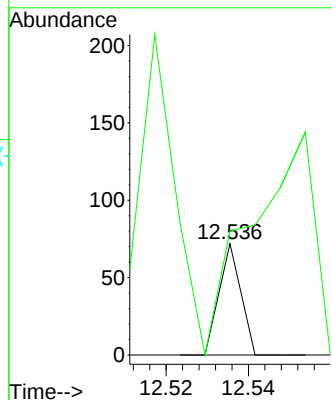
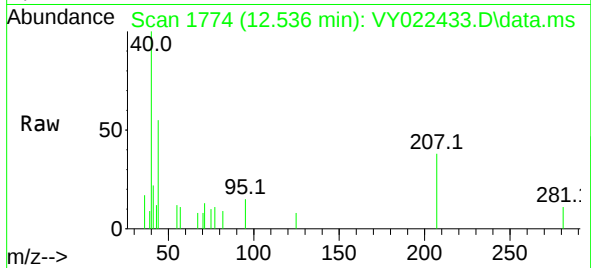




#76
1,2,3-Trichloropropane
Concen: 24.958 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

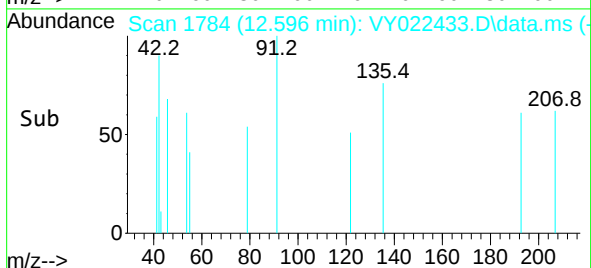
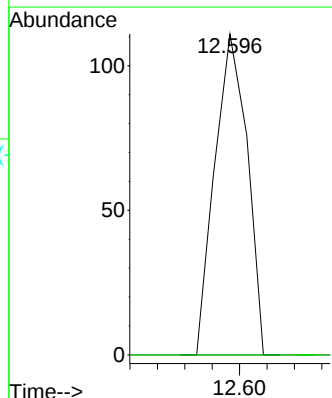
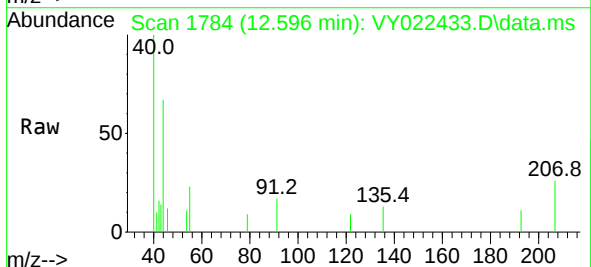
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

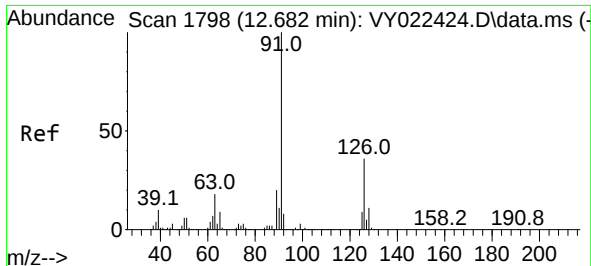
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 761.5 0.0 0.0#



#78
n-propylbenzene
Concen: 9.264 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 91 Resp: 91
Ion Ratio Lower Upper
91 100
120 0.0 11.2 33.5#

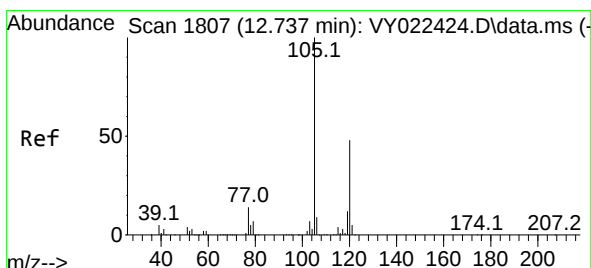
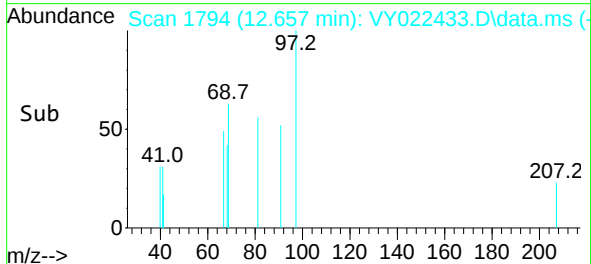
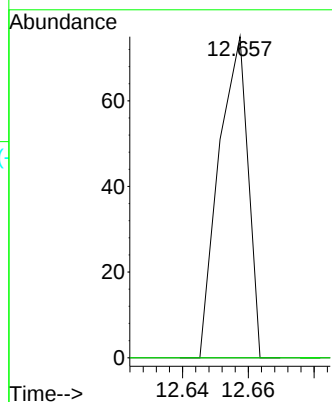
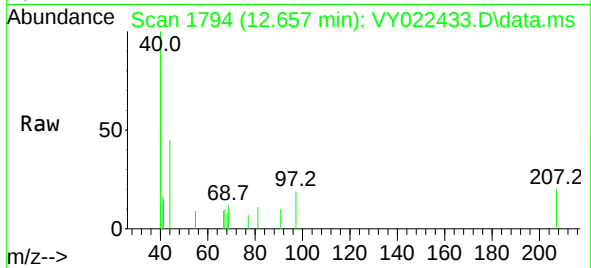




#79
2-Chlorotoluene
Concen: 8.651 ug/l
RT: 12.657 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

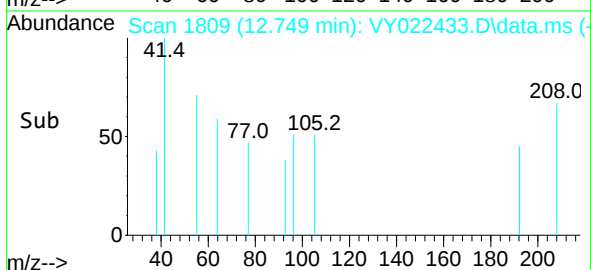
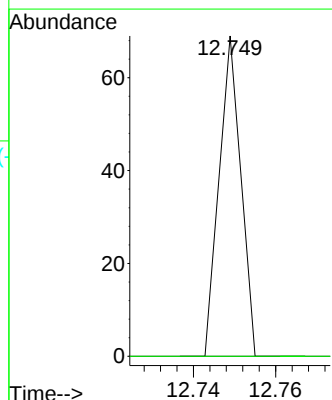
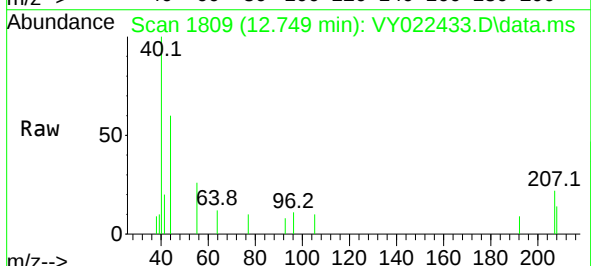
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

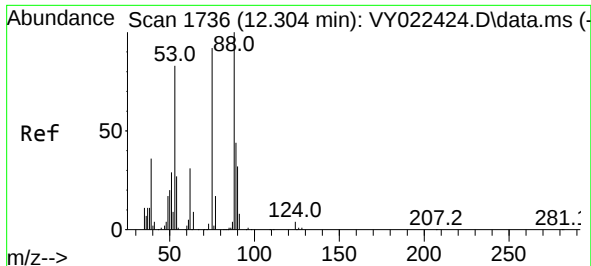
Tgt Ion: 91 Resp: 46
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 3.909 ug/l
RT: 12.749 min Scan# 1809
Delta R.T. 0.012 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion: 105 Resp: 25
Ion Ratio Lower Upper
105 100
120 0.0 24.3 73.0#

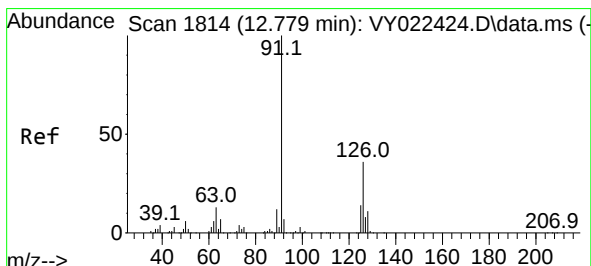
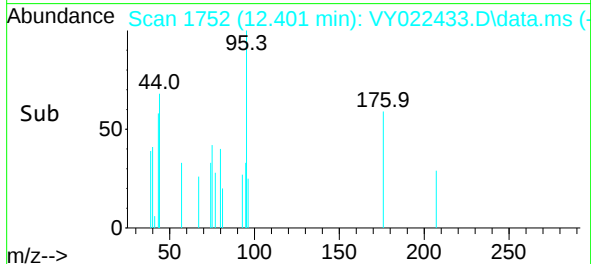
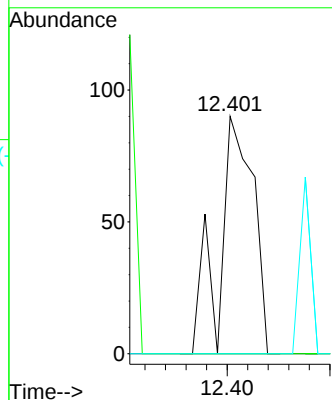
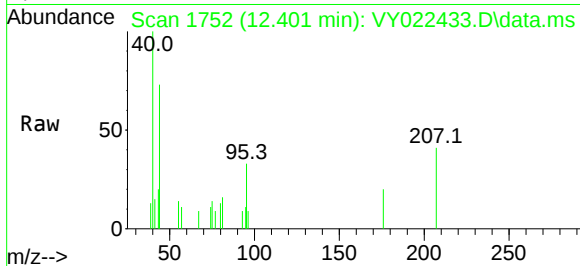




#81
trans-1,4-Dichloro-2-butene
Concen: 225.770 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

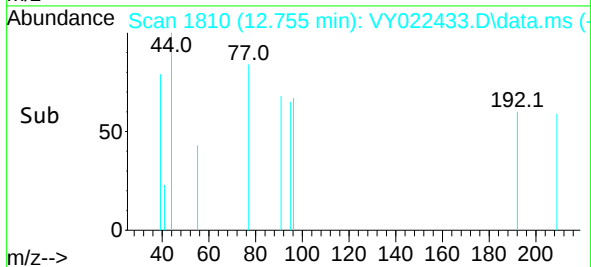
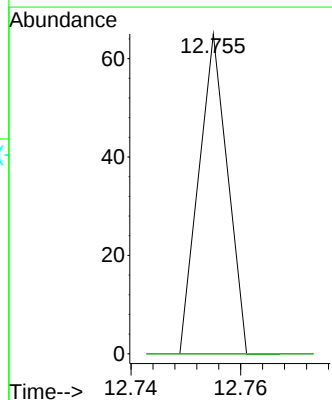
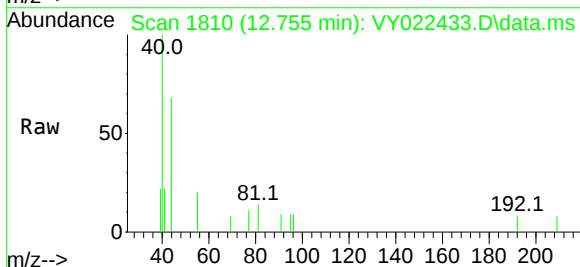
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-05222025

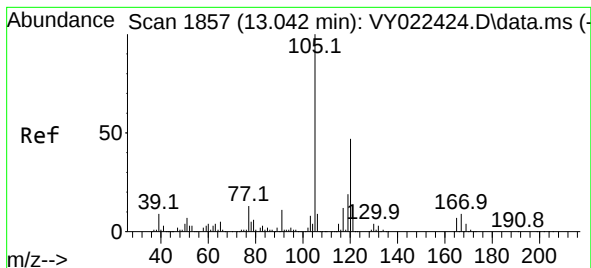
Tgt Ion	75	Resp:	104
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.1	112.7#
89	0.0	37.4	56.0#



#82
4-Chlorotoluene
Concen: 4.382 ug/l
RT: 12.755 min Scan# 1810
Delta R.T. -0.024 min
Lab File: VY022433.D
Acq: 27 May 2025 14:51

Tgt Ion	91	Resp:	24
Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.2	51.6#





#84

1,2,4-Trimethylbenzene

Concen: 13.363 ug/l

RT: 13.029 min Scan# 1855

Delta R.T. -0.012 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

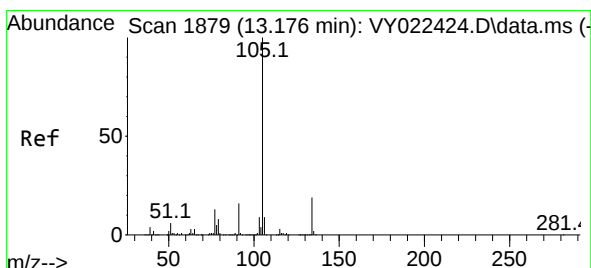
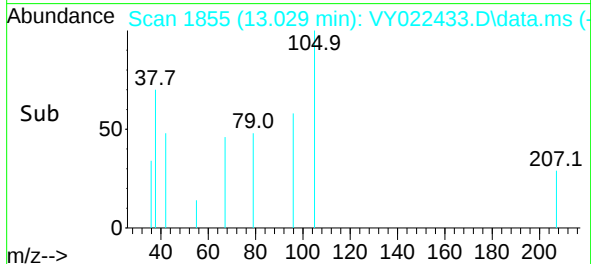
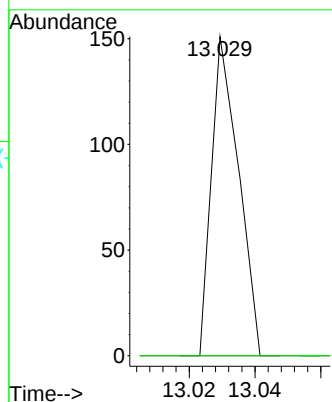
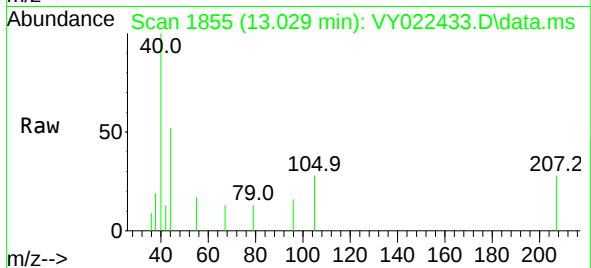
HD-02-05222025

Tgt Ion:105 Resp: 86

Ion Ratio Lower Upper

105 100

120 0.0 22.9 68.5#



#85

sec-Butylbenzene

Concen: 10.036 ug/l

RT: 13.029 min Scan# 1855

Delta R.T. -0.146 min

Lab File: VY022433.D

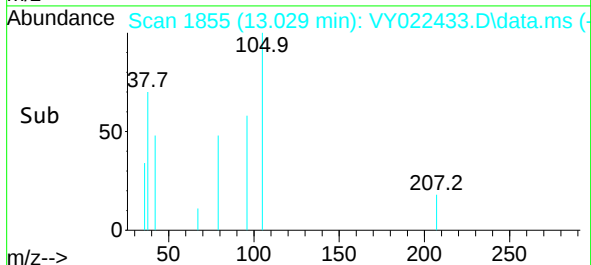
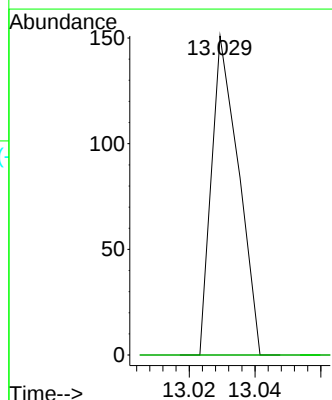
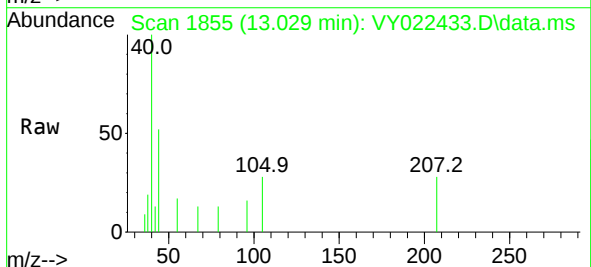
Acq: 27 May 2025 14:51

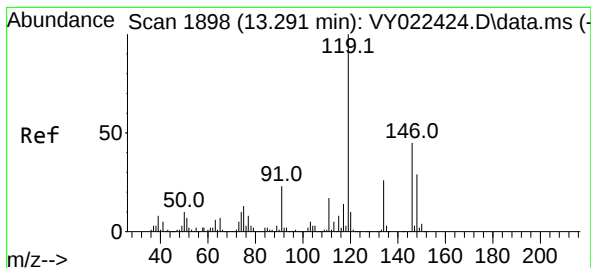
Tgt Ion:105 Resp: 86

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#





#86

p-Isopropyltoluene

Concen: 2.515 ug/l

RT: 13.377 min Scan# 1912

Delta R.T. 0.085 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

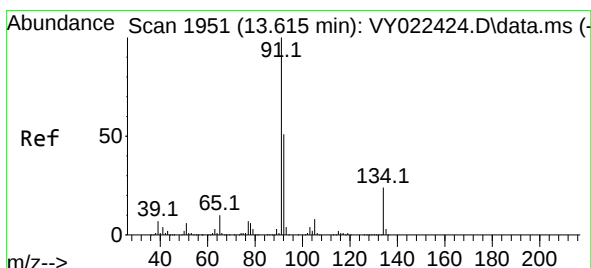
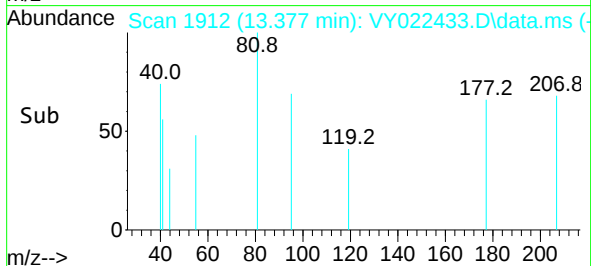
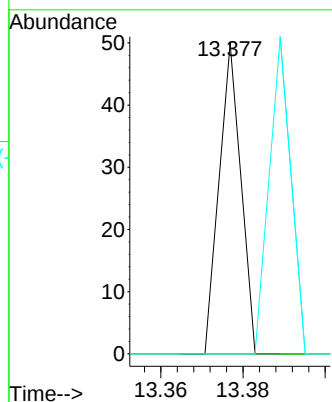
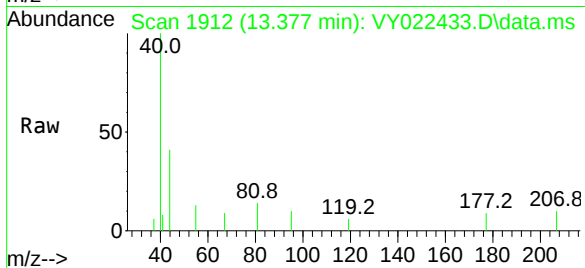
Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025

Tgt Ion:	119	Resp:	18
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.0	39.0#
91	105.6	11.6	34.8#



#89

n-Butylbenzene

Concen: 33.386 ug/l

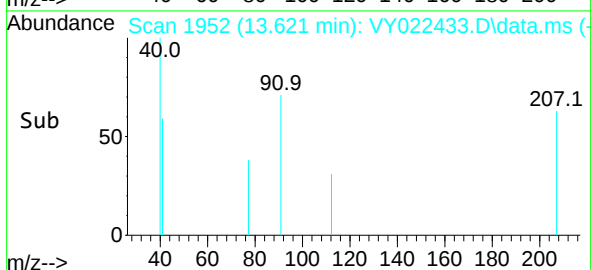
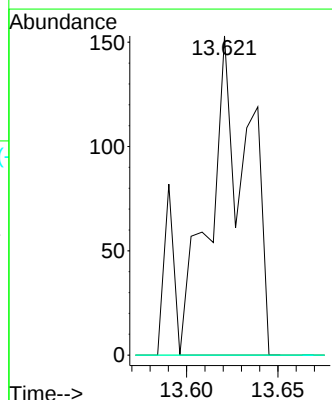
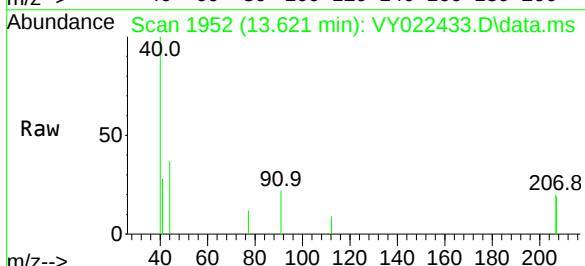
RT: 13.621 min Scan# 1952

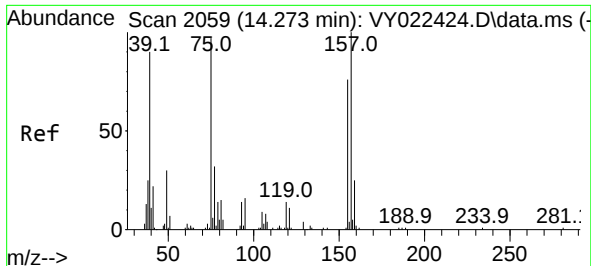
Delta R.T. 0.006 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Tgt Ion:	91	Resp:	224
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 100.364 ug/l

RT: 14.486 min Scan# 2059

Delta R.T. 0.213 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-05222025

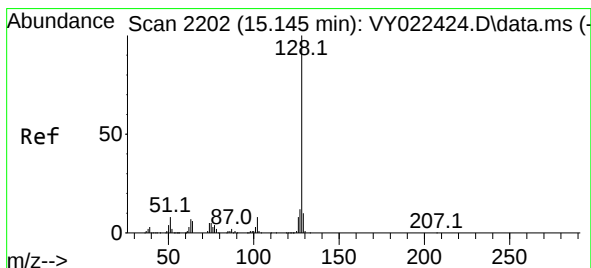
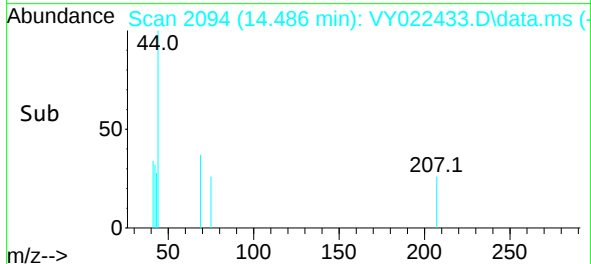
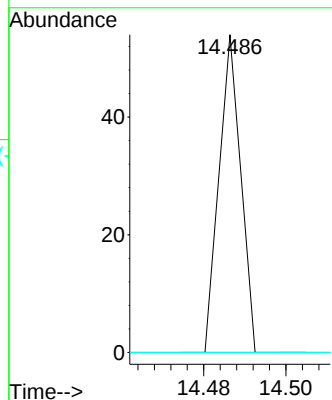
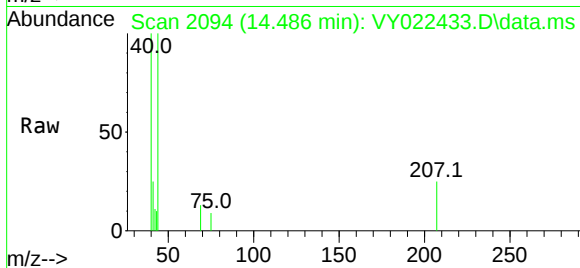
Tgt Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 0.0 54.4 163.3#



#95

Naphthalene

Concen: 29.995 ug/l

RT: 15.157 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY022433.D

Acq: 27 May 2025 14:51

Tgt Ion: 128 Resp: 91

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#

