

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022409.D
 Acq On : 23 May 2025 16:28
 Operator : SY/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Quant Time: May 23 23:20:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	220484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	365163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	141917	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122214	50.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.440%	
35) Dibromofluoromethane	7.646	113	116726	53.556	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.115	98	477724	53.519	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.040%	
62) 4-Bromofluorobenzene	12.407	95	137951	48.757	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.520%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	47450	20.625	ug/l	98
3) Chloromethane	2.068	50	116162	24.002	ug/l	97
4) Vinyl Chloride	2.208	62	136097	25.171	ug/l	96
5) Bromomethane	2.598	94	152048	34.544	ug/l	99
6) Chloroethane	2.738	64	91246	27.126	ug/l	98
7) Trichlorofluoromethane	3.055	101	125355	22.899	ug/l	98
8) Diethyl Ether	3.458	74	26297	20.016	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.817	101	54194	22.803	ug/l	98
10) Methyl Iodide	4.006	142	50705	18.434	ug/l	99
11) Tert butyl alcohol	4.884	59	18052	98.102	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	52119	22.099	ug/l	91
13) Acrolein	3.659	56	14247	52.961	ug/l	97
14) Allyl chloride	4.391	41	72531	17.539	ug/l	92
15) Acrylonitrile	5.073	53	53818	99.417	ug/l	99
16) Acetone	3.885	43	64882	143.598	ug/l	96
17) Carbon Disulfide	4.116	76	153044	19.900	ug/l	96
18) Methyl Acetate	4.403	43	22419	15.737	ug/l	93
19) Methyl tert-butyl Ether	5.128	73	130694	20.098	ug/l	95
20) Methylene Chloride	4.622	84	57155	19.576	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	52976	20.350	ug/l	96
22) Diisopropyl ether	6.024	45	157311	18.014	ug/l	95
23) Vinyl Acetate	5.969	43	490218	92.917	ug/l	98
24) 1,1-Dichloroethane	5.921	63	97335	19.950	ug/l	99
25) 2-Butanone	6.902	43	83136	110.000	ug/l	99
26) 2,2-Dichloropropane	6.896	77	89975	20.734	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61445	20.454	ug/l	97
28) Bromochloromethane	7.250	49	41072	19.736	ug/l	96
29) Tetrahydrofuran	7.268	42	46580	95.797	ug/l	93
30) Chloroform	7.427	83	95738	20.458	ug/l	98
31) Cyclohexane	7.713	56	98151	20.135	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	89072	20.746	ug/l	99
36) 1,1-Dichloropropene	7.847	75	74413	20.729	ug/l	98
37) Ethyl Acetate	6.994	43	32944	19.073	ug/l	96
38) Carbon Tetrachloride	7.829	117	77588	20.880	ug/l	95
39) Methylcyclohexane	9.115	83	102984	21.353	ug/l	96
40) Benzene	8.091	78	215939	20.291	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	15274	13.331	ug/l #	72
42) 1,2-Dichloroethane	8.164	62	56548	19.649	ug/l	97
43) Isopropyl Acetate	8.207	43	70370	18.681	ug/l	98
44) Trichloroethene	8.871	130	55056	20.806	ug/l	96
45) 1,2-Dichloropropane	9.146	63	51291	19.991	ug/l	97
46) Dibromomethane	9.237	93	28589	20.659	ug/l	99
47) Bromodichloromethane	9.426	83	71724	19.978	ug/l	100
48) Methyl methacrylate	9.231	41	30712	17.434	ug/l	88
49) 1,4-Dioxane	9.237	88	6085	389.226	ug/l	93
51) 4-Methyl-2-Pentanone	10.005	43	171509	92.790	ug/l	96
52) Toluene	10.176	92	136262	20.220	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	68682	19.603	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	79085	19.702	ug/l	94
55) 1,1,2-Trichloroethane	10.578	97	35739	20.168	ug/l	96
56) Ethyl methacrylate	10.444	69	54901	19.889	ug/l	92
57) 1,3-Dichloropropane	10.725	76	64791	20.578	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	106348	85.834	ug/l	97
59) 2-Hexanone	10.767	43	127089	102.550	ug/l	96
60) Dibromochloromethane	10.920	129	46918	20.398	ug/l	99
61) 1,2-Dibromoethane	11.023	107	34146	20.674	ug/l	99
64) Tetrachloroethene	10.652	164	59668	21.065	ug/l	99
65) Chlorobenzene	11.450	112	142059	20.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	47723	20.078	ug/l	99
67) Ethyl Benzene	11.523	91	262665	20.286	ug/l	99
68) m/p-Xylenes	11.633	106	197872	40.555	ug/l	96
69) o-Xylene	11.956	106	91898	19.908	ug/l	98
70) Styrene	11.975	104	153910	19.765	ug/l	97
71) Bromoform	12.139	173	25596	19.951	ug/l #	97
73) Isopropylbenzene	12.261	105	247301	21.034	ug/l	100
74) N-amyl acetate	12.072	43	61277	18.223	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	37759	20.883	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	54551	37.941	ug/l #	100
77) Bromobenzene	12.535	156	52367	20.854	ug/l	95
78) n-propylbenzene	12.602	91	296181	20.885	ug/l	99
79) 2-Chlorotoluene	12.682	91	155703	19.979	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	191546	20.182	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	13059	18.400	ug/l	98
82) 4-Chlorotoluene	12.785	91	157322	19.626	ug/l	97
83) tert-Butylbenzene	13.005	119	175804	20.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.047	105	188374	19.994	ug/l	98
85) sec-Butylbenzene	13.182	105	266407	21.275	ug/l	100
86) p-Isopropyltoluene	13.297	119	213699	20.291	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	103478	20.186	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	100997	20.483	ug/l	99
89) n-Butylbenzene	13.621	91	210175	21.095	ug/l	98
90) Hexachloroethane	13.883	117	43322	20.378	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	88356	20.520	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5917	20.294	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	47978	19.290	ug/l	99
94) Hexachlorobutadiene	15.029	225	25900	18.673	ug/l	94
95) Naphthalene	15.151	128	86870	18.405	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	40075	18.993	ug/l	98

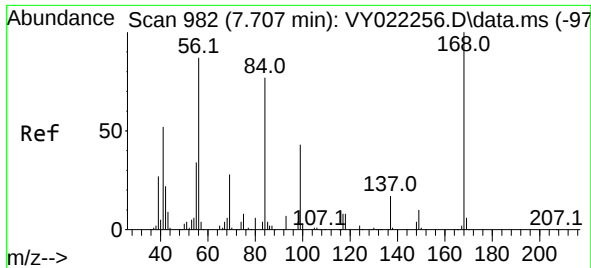
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
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Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

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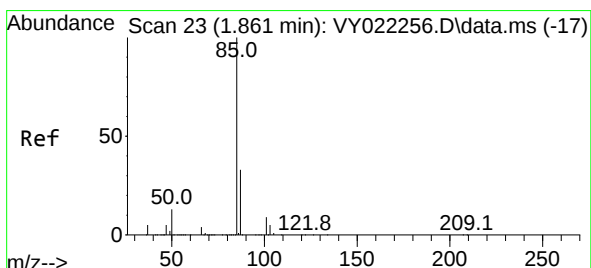
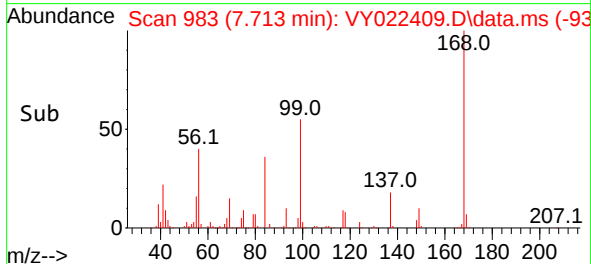
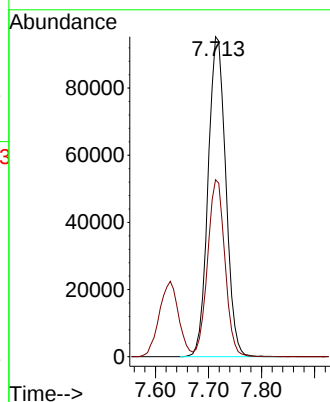
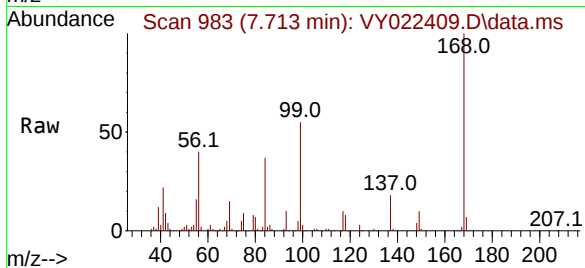
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

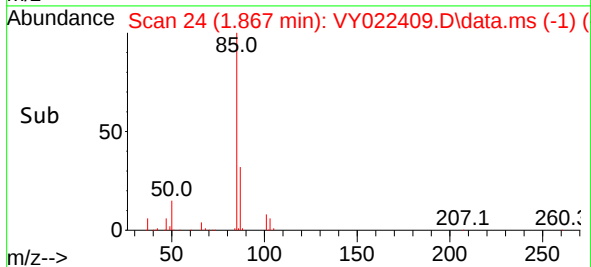
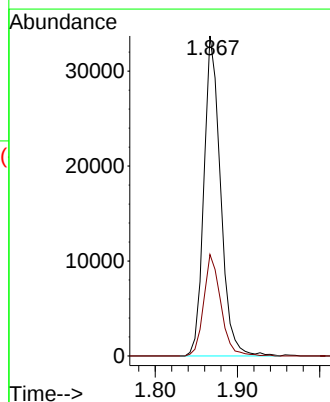
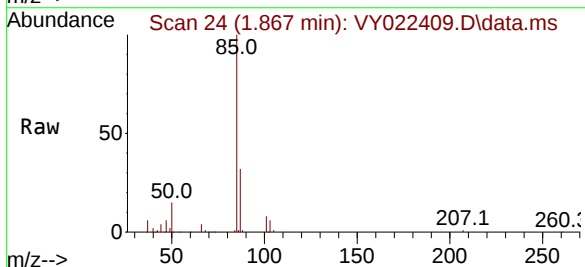
Instrument :
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ClientSampleId :
VY0523SBS01

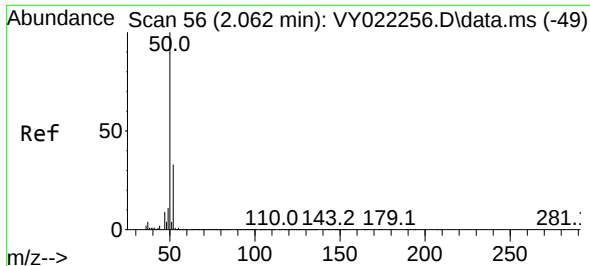
Tgt Ion:168 Resp: 220484
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 20.625 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 85 Resp: 47450
Ion Ratio Lower Upper
85 100
87 31.7 16.5 49.5

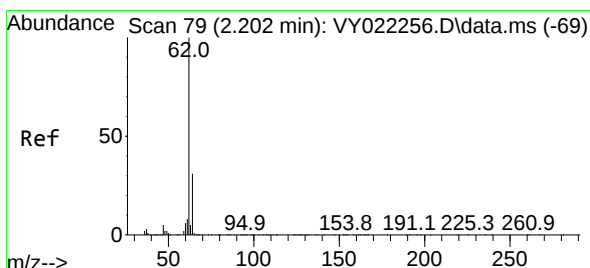
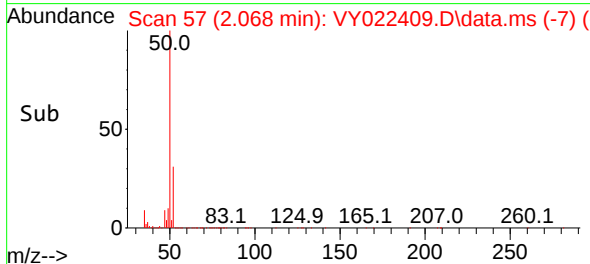
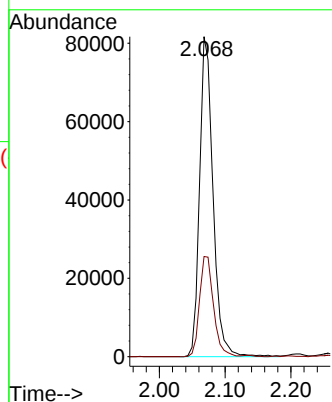
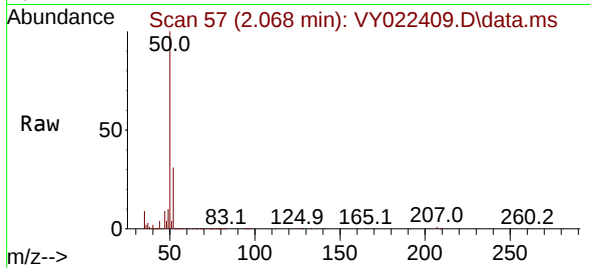




#3
Chloromethane
Concen: 24.002 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

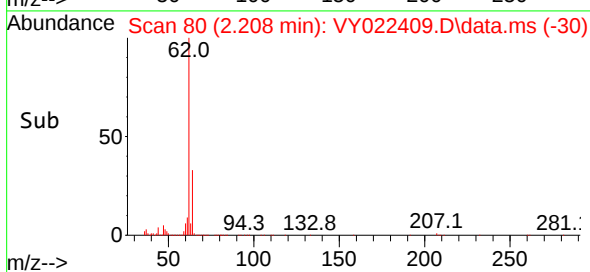
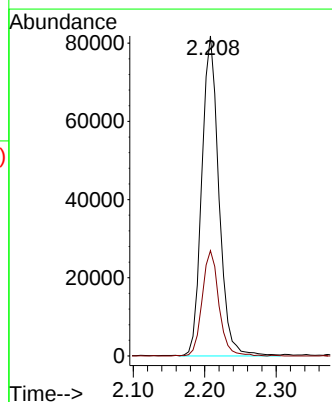
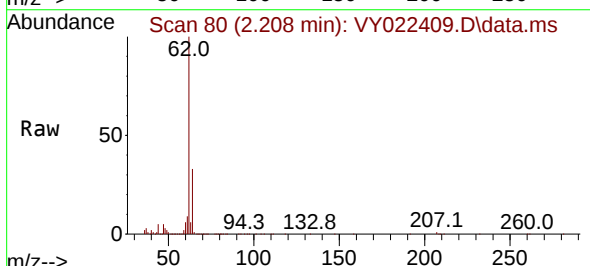
Instrument :
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ClientSampleId :
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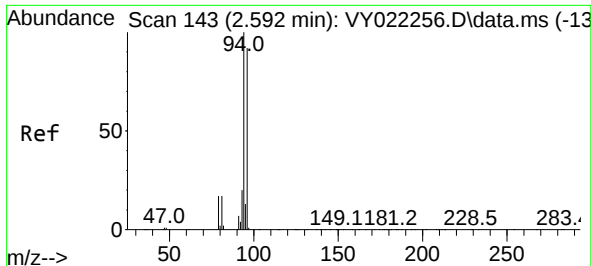
Tgt Ion: 50 Resp: 116162
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7



#4
Vinyl Chloride
Concen: 25.171 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 62 Resp: 136097
Ion Ratio Lower Upper
62 100
64 32.8 24.5 36.7

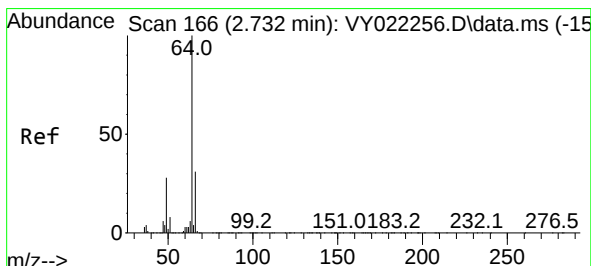
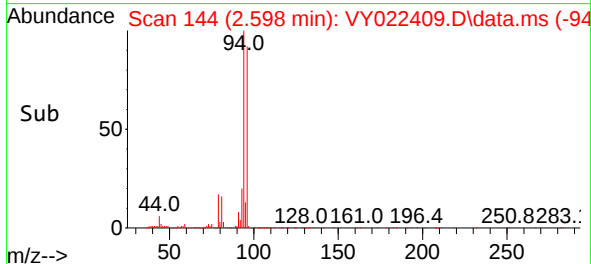
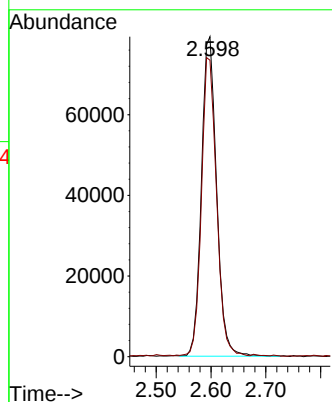
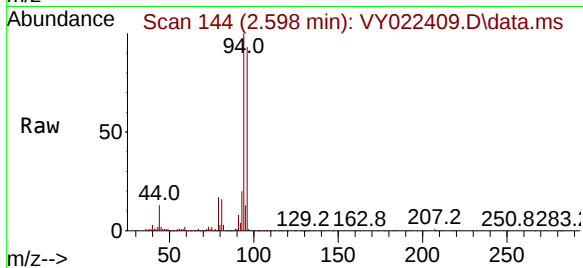




#5
Bromomethane
Concen: 34.544 ug/l
RT: 2.598 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

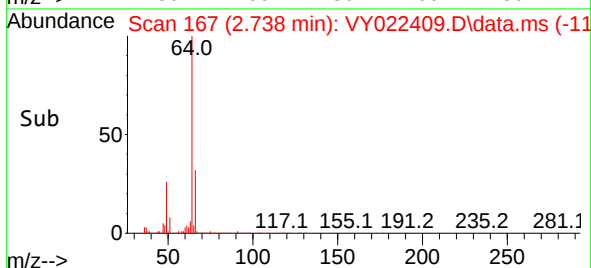
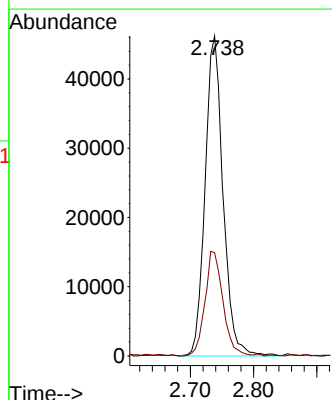
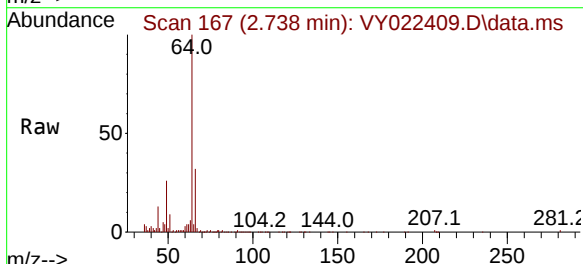
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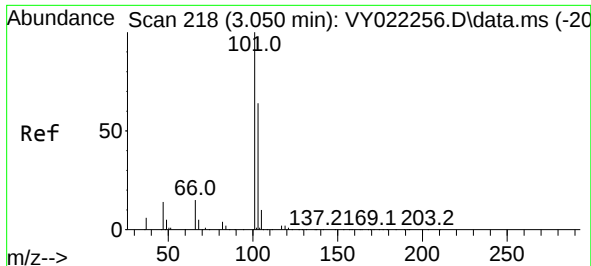
Tgt Ion: 94 Resp: 152048
Ion Ratio Lower Upper
94 100
96 92.5 73.4 110.0



#6
Chloroethane
Concen: 27.126 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 64 Resp: 91246
Ion Ratio Lower Upper
64 100
66 32.2 24.8 37.2

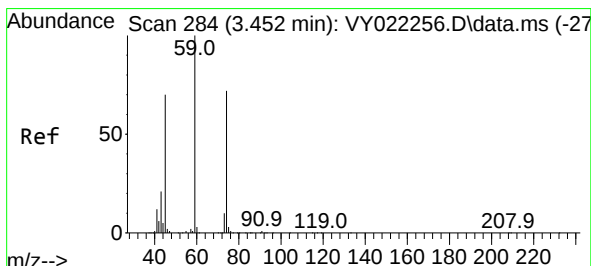
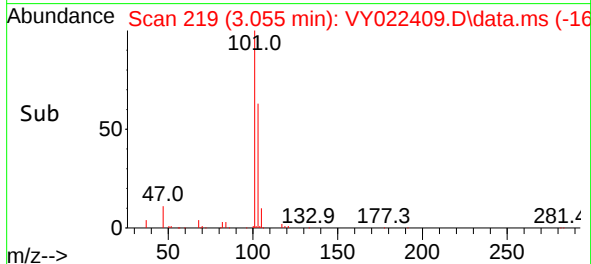
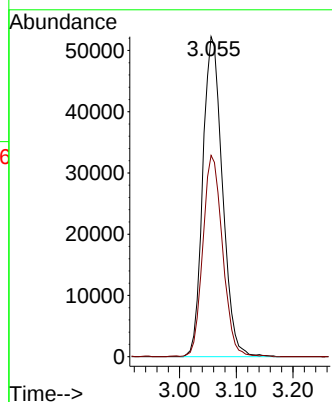
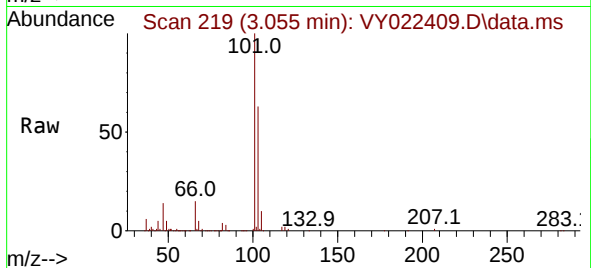




#7
 Trichlorofluoromethane
 Concen: 22.899 ug/l
 RT: 3.055 min Scan# 218
 Delta R.T. 0.006 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28

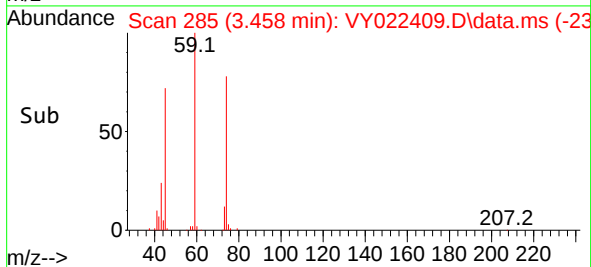
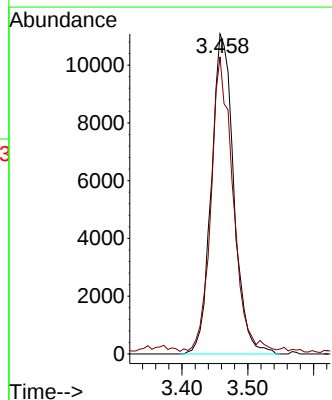
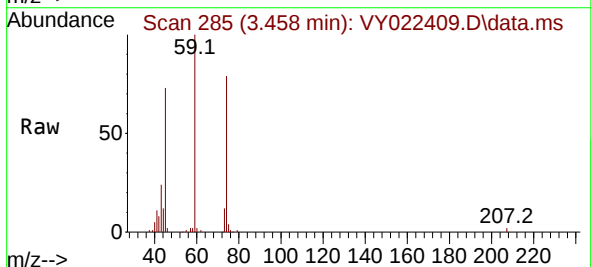
Instrument :
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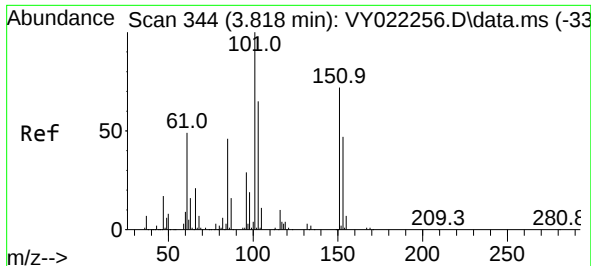
Tgt Ion:101 Resp: 125355
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.7 77.5



#8
 Diethyl Ether
 Concen: 20.016 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.006 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28

Tgt Ion: 74 Resp: 26297
 Ion Ratio Lower Upper
 74 100
 45 90.0 48.6 145.8

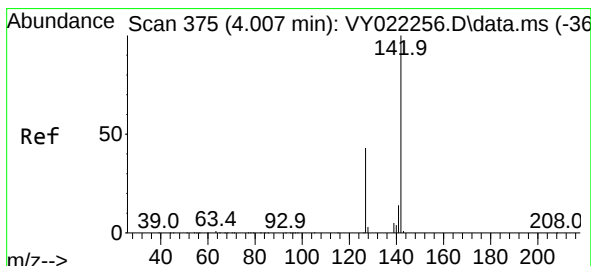
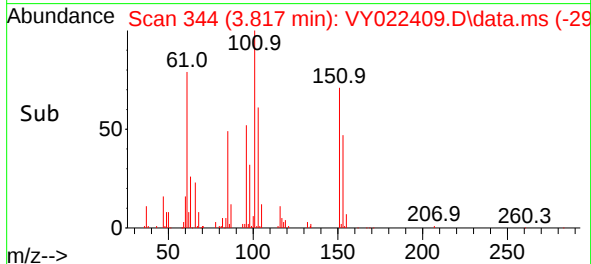
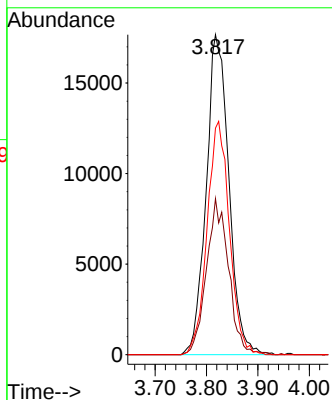
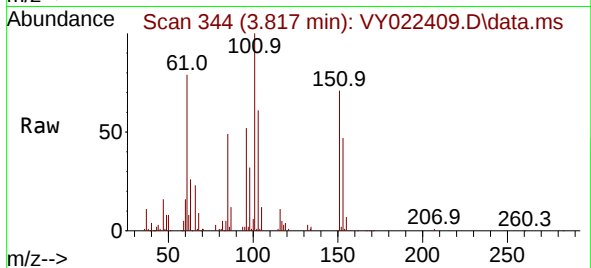




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.803 ug/l
RT: 3.817 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

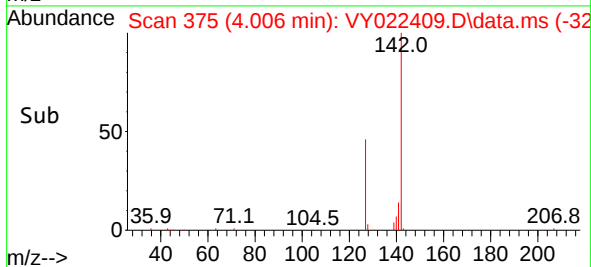
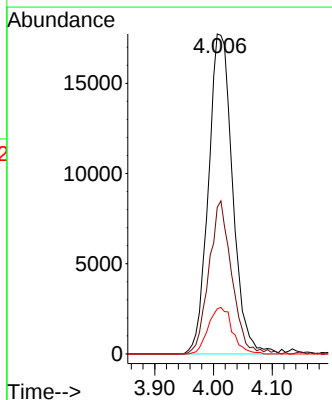
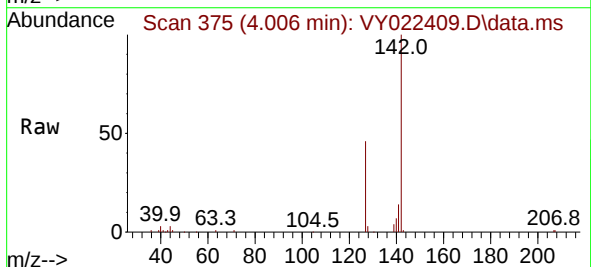
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

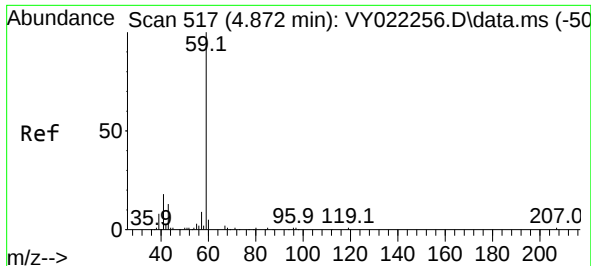
Tgt Ion:101 Resp: 54194
Ion Ratio Lower Upper
101 100
85 47.7 38.6 58.0
151 71.8 59.7 89.5



#10
Methyl Iodide
Concen: 18.434 ug/l
RT: 4.006 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:142 Resp: 50705
Ion Ratio Lower Upper
142 100
127 45.3 35.7 53.5
141 14.5 11.1 16.7

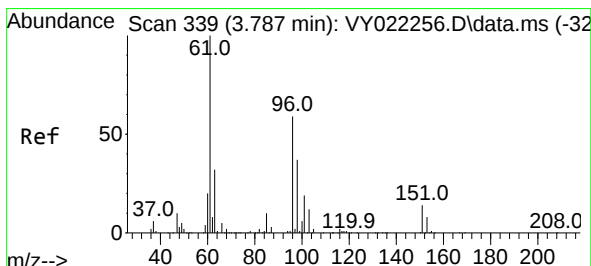
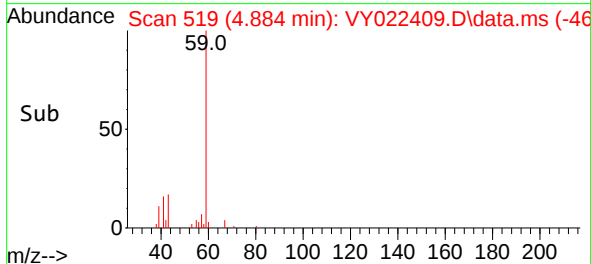
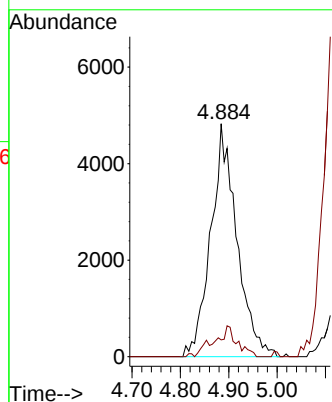
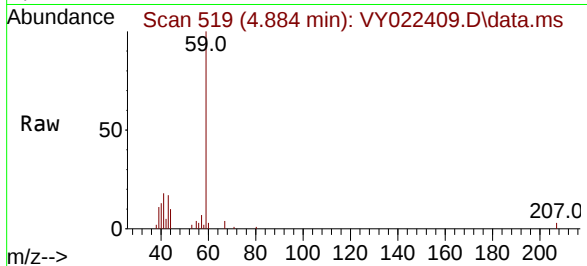




#11
Tert butyl alcohol
Concen: 98.102 ug/l
RT: 4.884 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

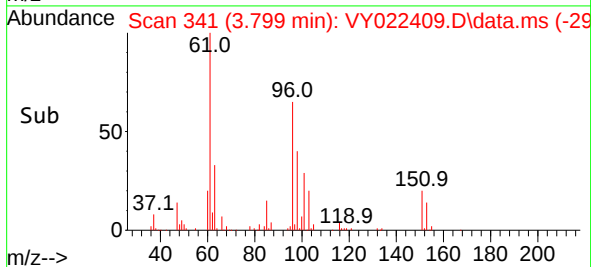
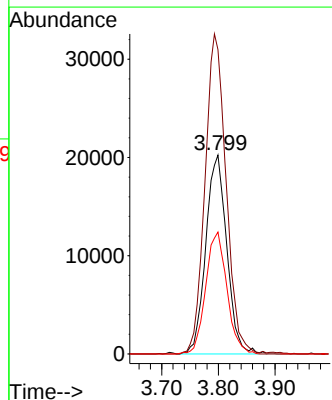
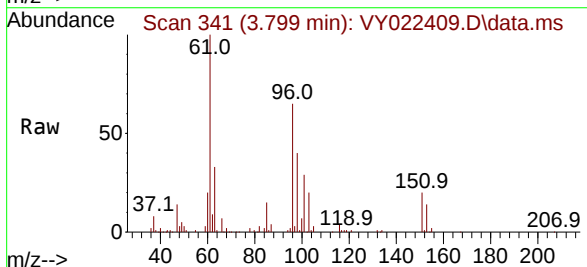
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

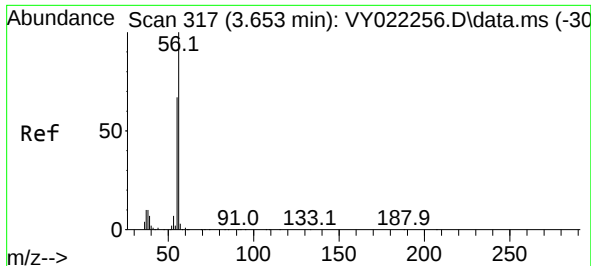
Tgt Ion: 59 Resp: 18052
Ion Ratio Lower Upper
59 100
57 8.6 0.0 0.0#



#12
1,1-Dichloroethene
Concen: 22.099 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 96 Resp: 52119
Ion Ratio Lower Upper
96 100
61 153.0 134.9 202.3
98 61.3 49.9 74.9





#13

Acrolein

Concen: 52.961 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

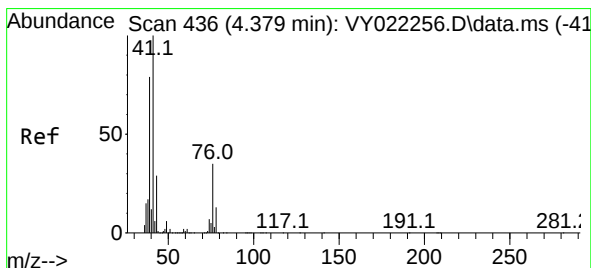
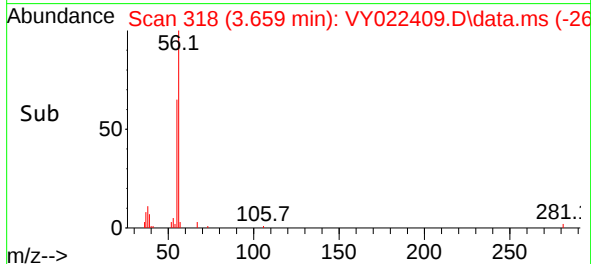
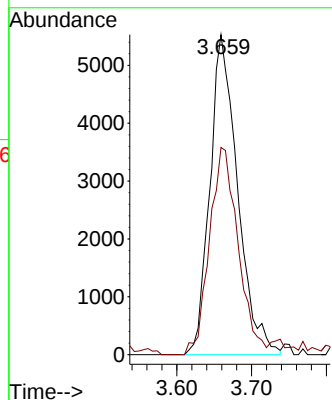
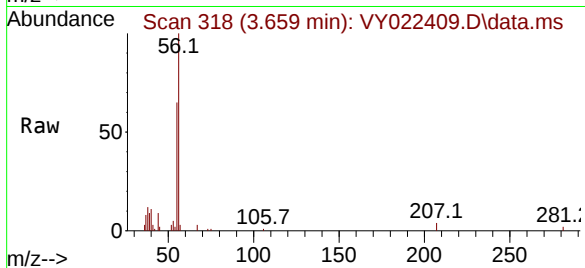
VY0523SBS01

Tgt Ion: 56 Resp: 14247

Ion Ratio Lower Upper

56 100

55 66.8 55.6 83.4



#14

Allyl chloride

Concen: 17.539 ug/l

RT: 4.391 min Scan# 438

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

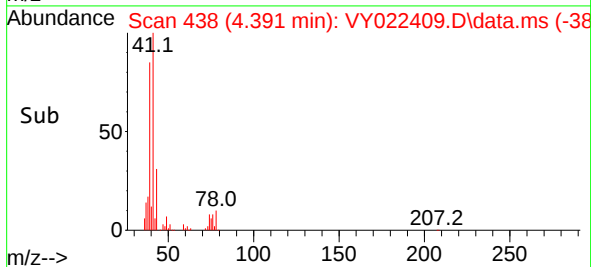
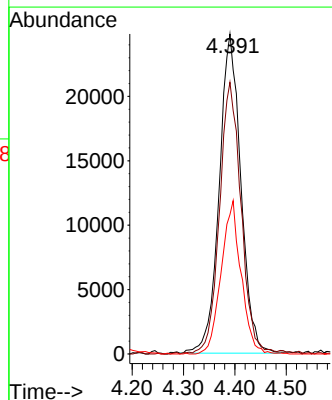
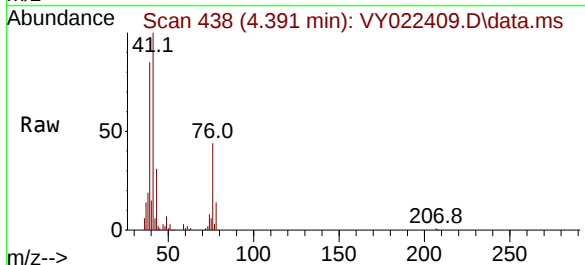
Tgt Ion: 41 Resp: 72531

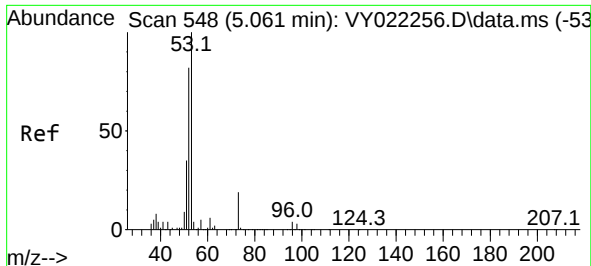
Ion Ratio Lower Upper

41 100

39 84.8 63.4 95.0

76 44.2 29.5 44.3

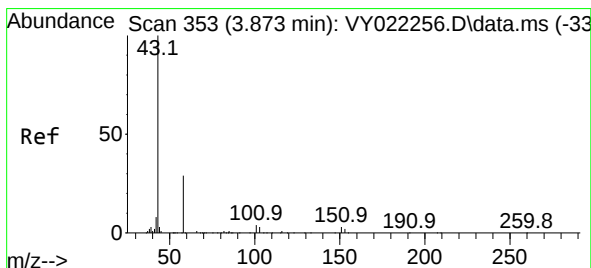
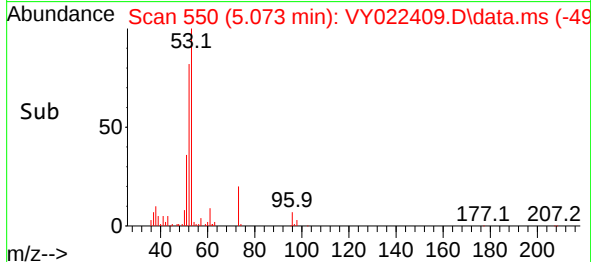
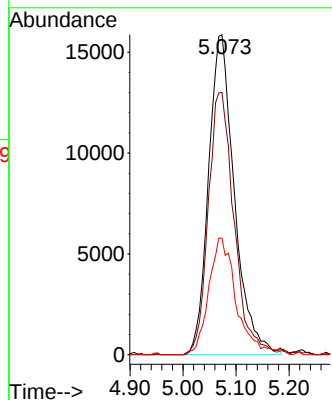
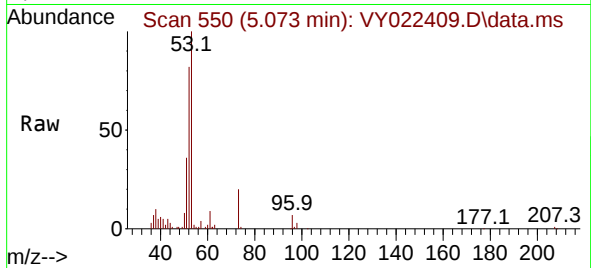




#15
Acrylonitrile
Concen: 99.417 ug/l
RT: 5.073 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

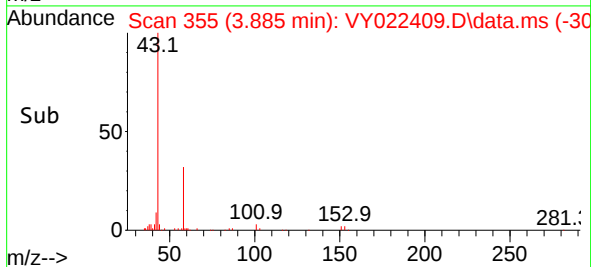
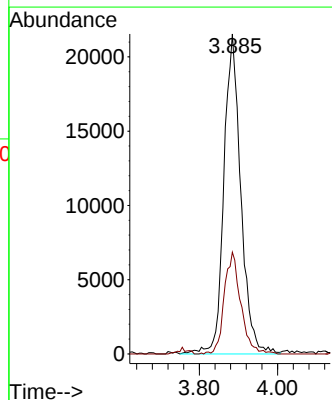
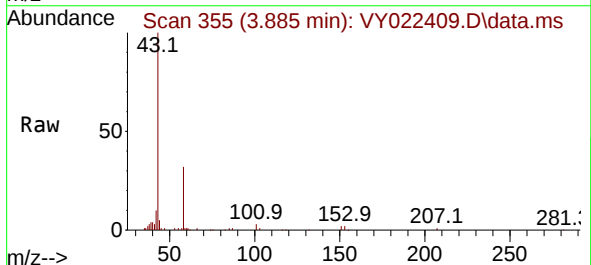
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

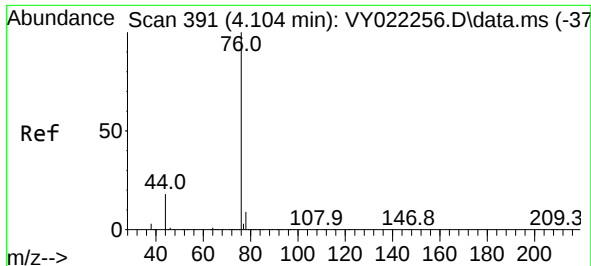
Tgt Ion: 53 Resp: 53818
Ion Ratio Lower Upper
53 100
52 81.6 66.1 99.1
51 38.5 30.0 45.0



#16
Acetone
Concen: 143.598 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 43 Resp: 64882
Ion Ratio Lower Upper
43 100
58 31.8 23.6 35.4

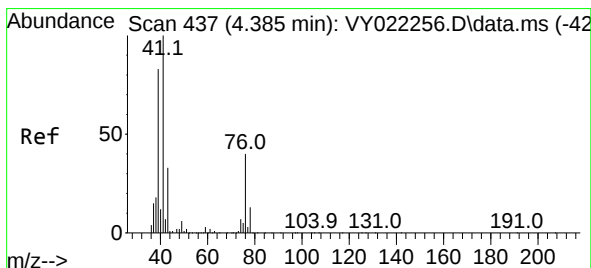
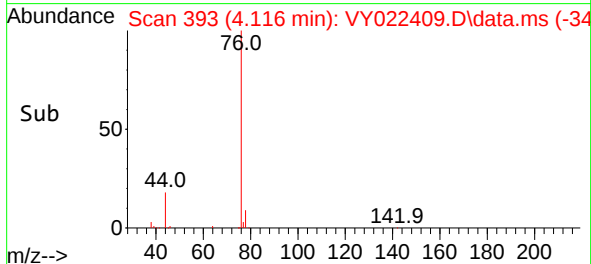
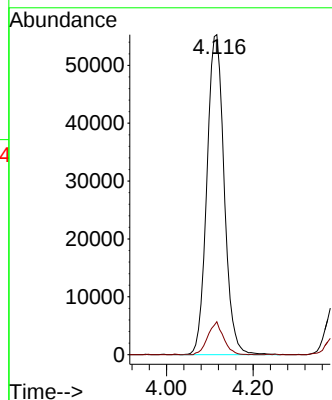
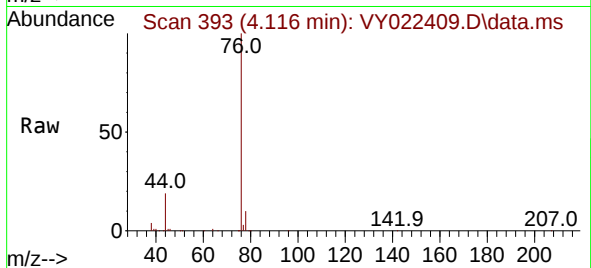




#17
Carbon Disulfide
Concen: 19.900 ug/l
RT: 4.116 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

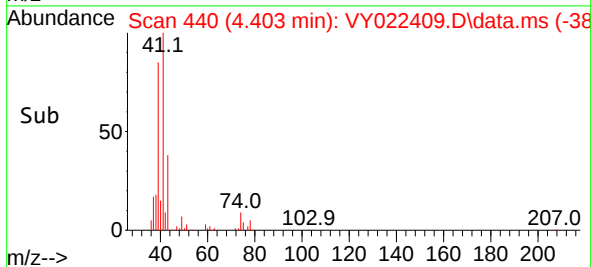
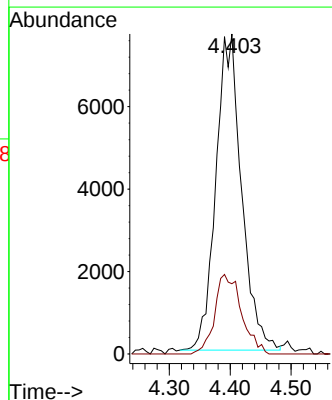
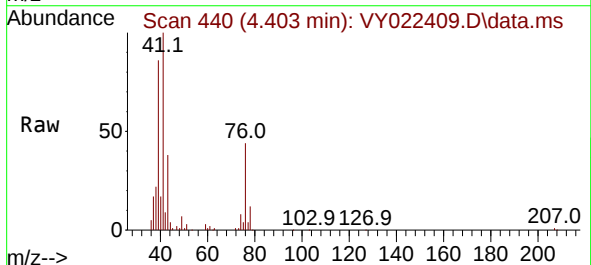
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

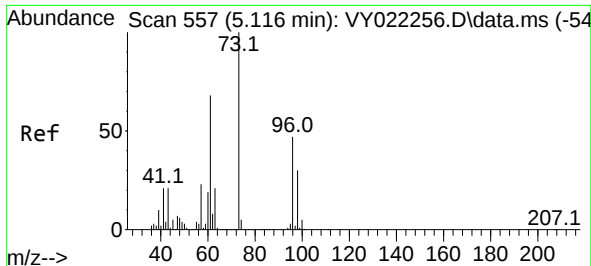
Tgt Ion: 76 Resp: 153044
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#18
Methyl Acetate
Concen: 15.737 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 43 Resp: 22419
Ion Ratio Lower Upper
43 100
74 26.3 18.2 27.4





#19

Methyl tert-butyl Ether

Concen: 20.098 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

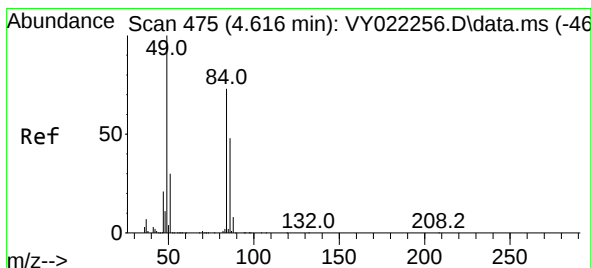
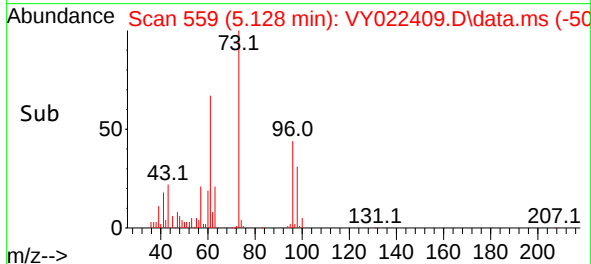
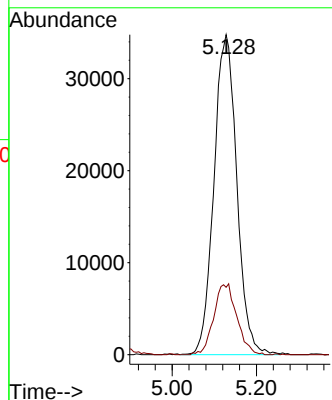
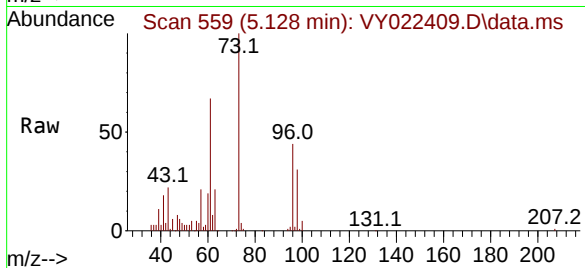
VY0523SBS01

Tgt Ion: 73 Resp: 130694

Ion Ratio Lower Upper

73 100

57 21.0 18.6 28.0



#20

Methylene Chloride

Concen: 19.576 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion: 84 Resp: 57155

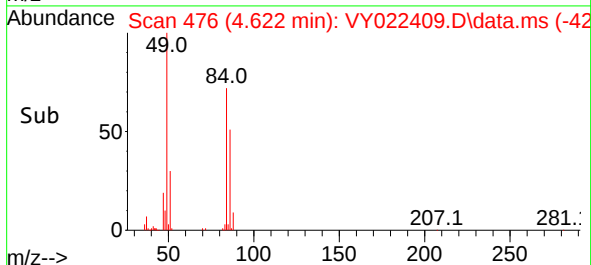
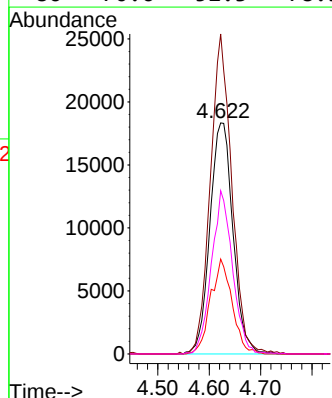
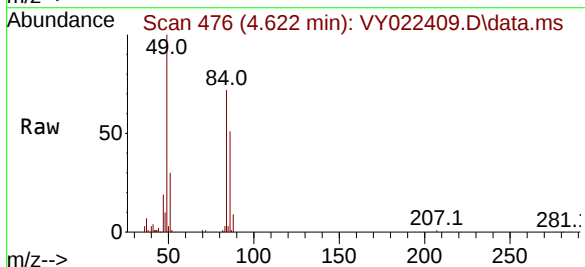
Ion Ratio Lower Upper

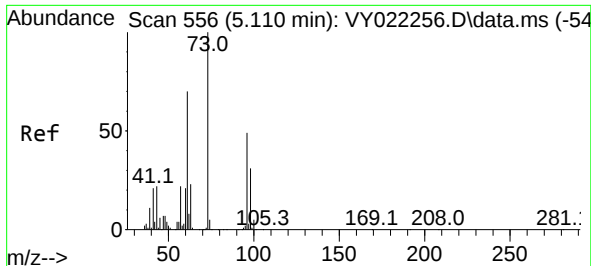
84 100

49 138.2 109.6 164.4

51 41.0 32.4 48.6

86 70.6 52.3 78.5

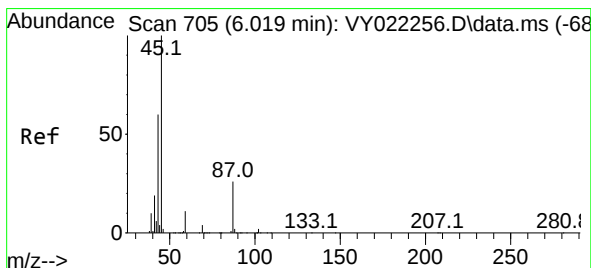
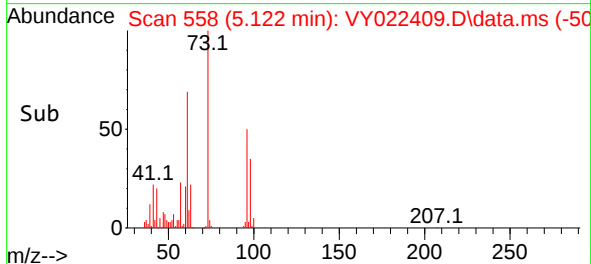
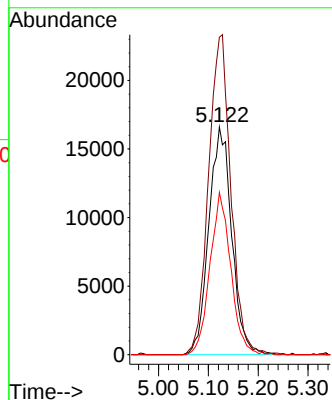
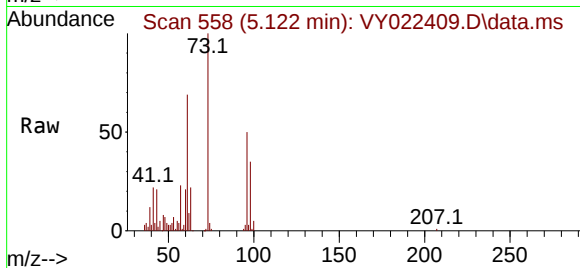




#21
trans-1,2-Dichloroethene
Concen: 20.350 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

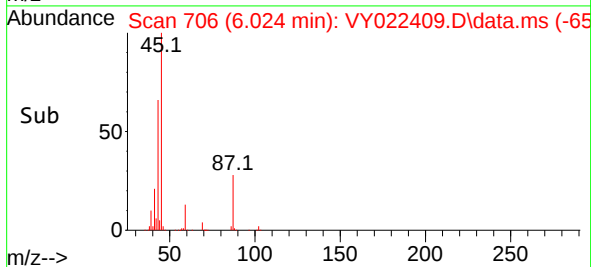
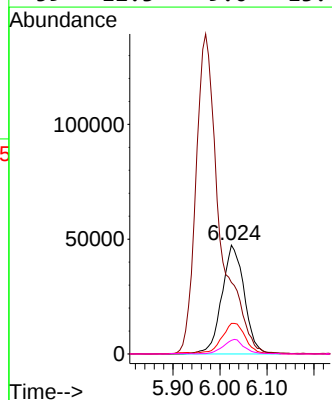
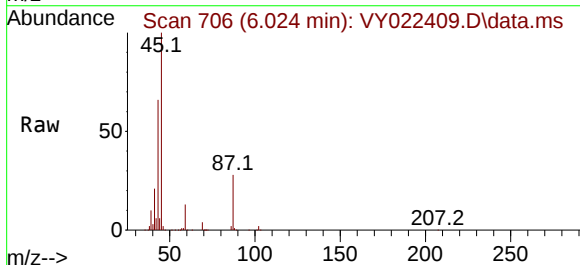
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

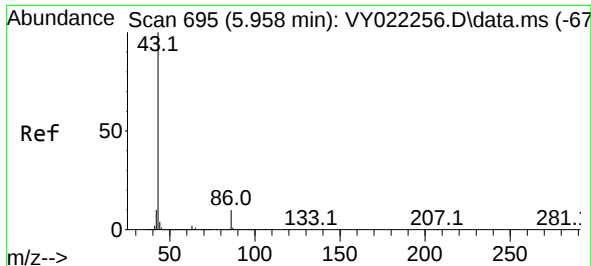
Tgt Ion: 96 Resp: 52976
Ion Ratio Lower Upper
96 100
61 139.4 113.4 170.0
98 71.2 50.9 76.3



#22
Diisopropyl ether
Concen: 18.014 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 45 Resp: 157311
Ion Ratio Lower Upper
45 100
43 64.9 48.2 72.2
87 27.8 21.4 32.0
59 12.3 9.0 13.4

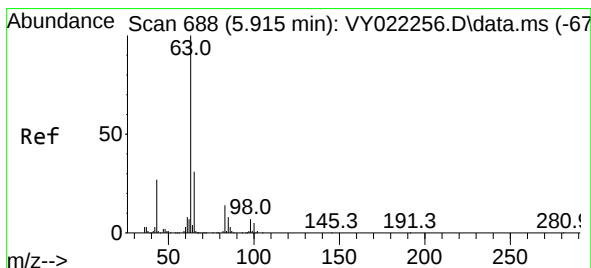
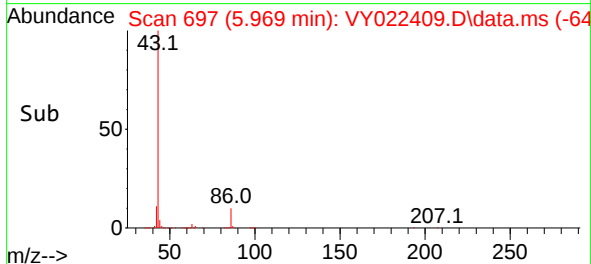
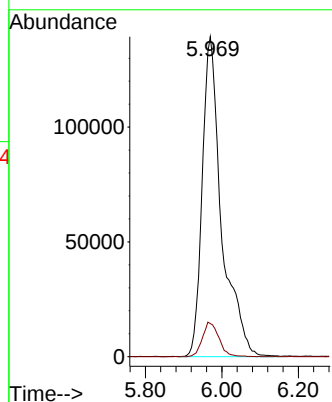
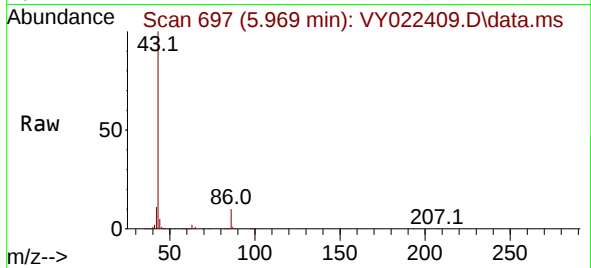




#23
 Vinyl Acetate
 Concen: 92.917 ug/l
 RT: 5.969 min Scan# 695
 Delta R.T. 0.012 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28

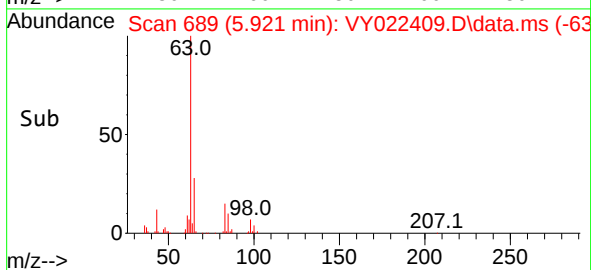
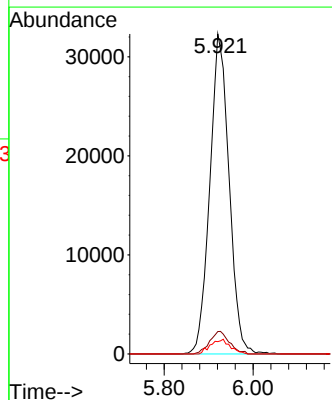
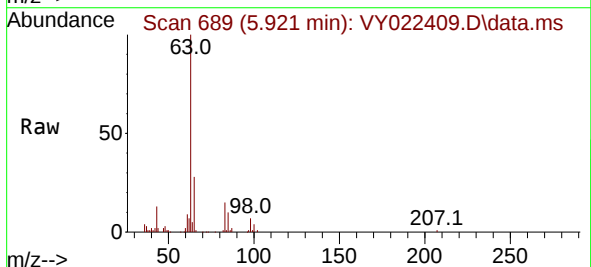
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

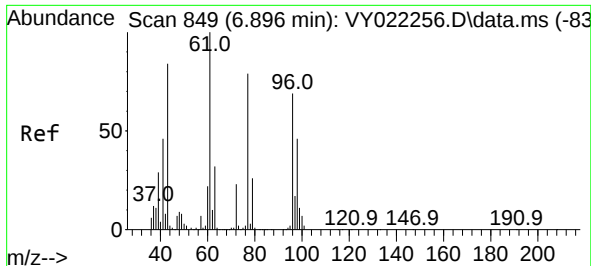
Tgt Ion: 43 Resp: 490218
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.950 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY022409.D
 Acq: 23 May 2025 16:28

Tgt Ion: 63 Resp: 97335
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 3.9 2.4 7.2





#25

2-Butanone

Concen: 110.000 ug/l

RT: 6.902 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

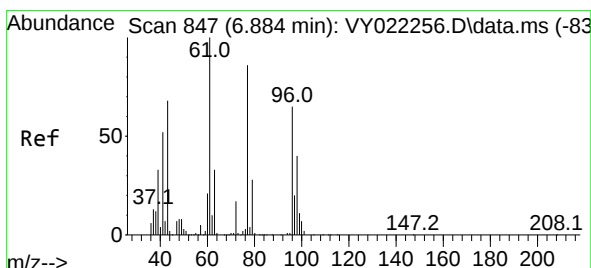
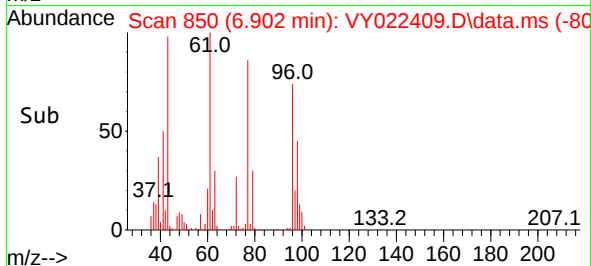
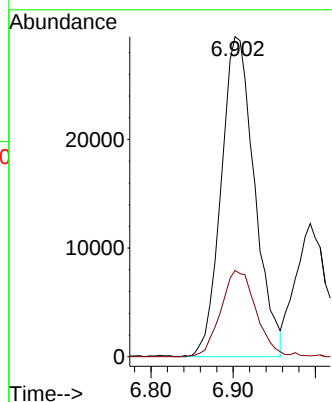
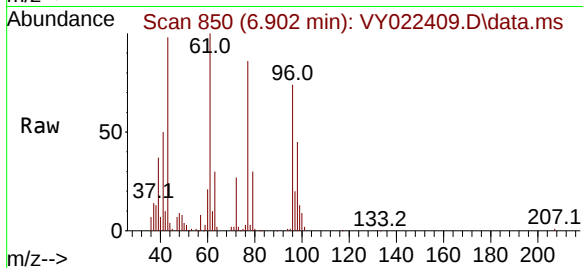
VY0523SBS01

Tgt Ion: 43 Resp: 83136

Ion Ratio Lower Upper

43 100

72 27.0 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.734 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY022409.D

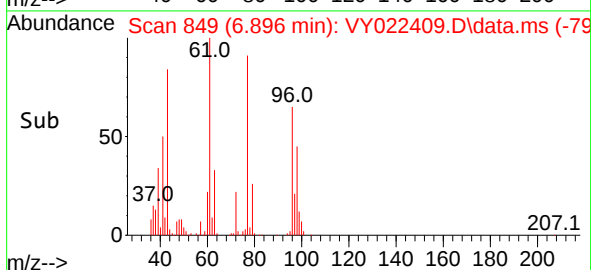
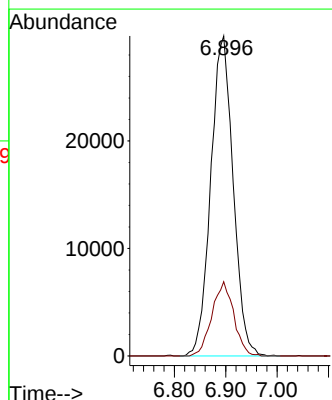
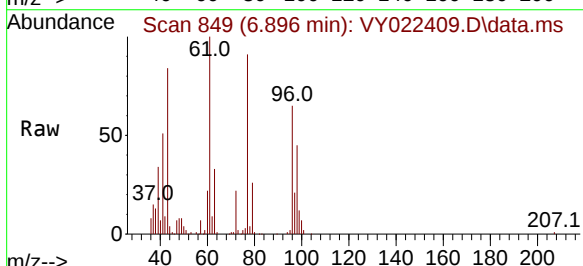
Acq: 23 May 2025 16:28

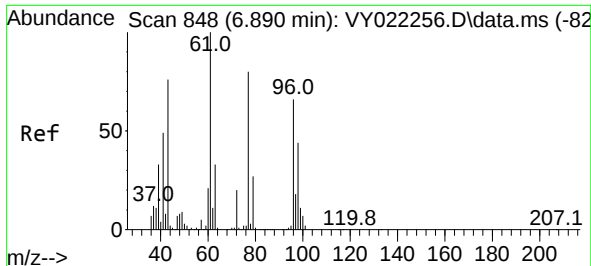
Tgt Ion: 77 Resp: 89975

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 20.454 ug/l

RT: 6.902 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

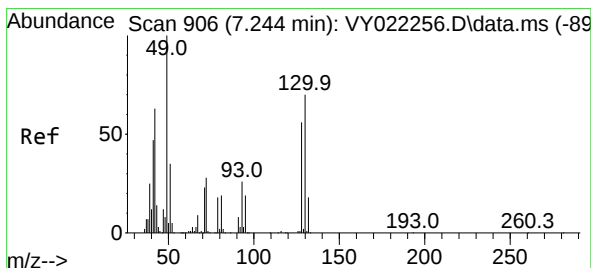
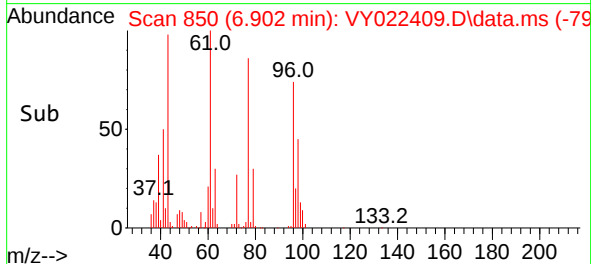
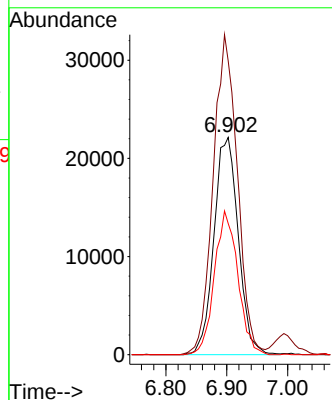
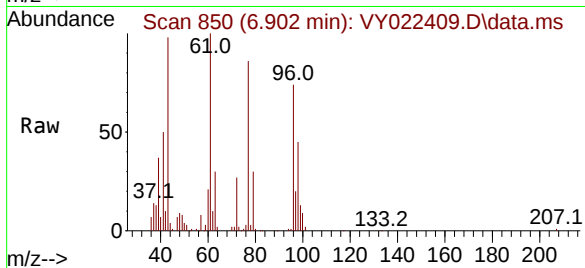
Tgt Ion: 96 Resp: 61445

Ion Ratio Lower Upper

96 100

61 146.3 0.0 302.6

98 63.7 0.0 128.8



#28

Bromochloromethane

Concen: 19.736 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

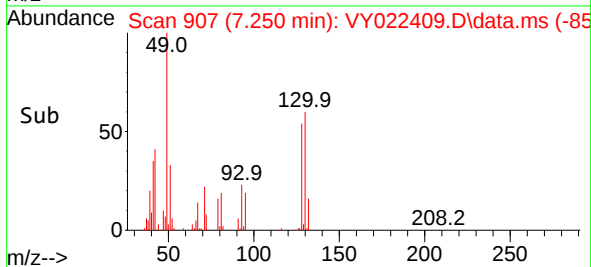
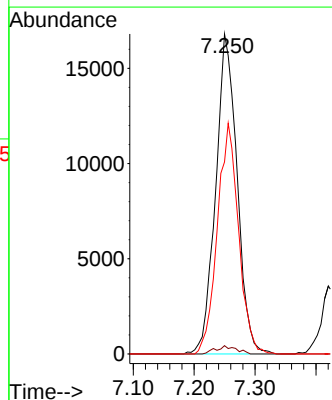
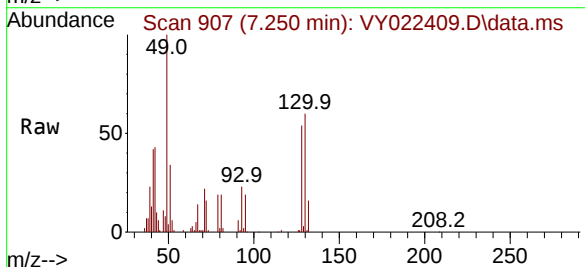
Tgt Ion: 49 Resp: 41072

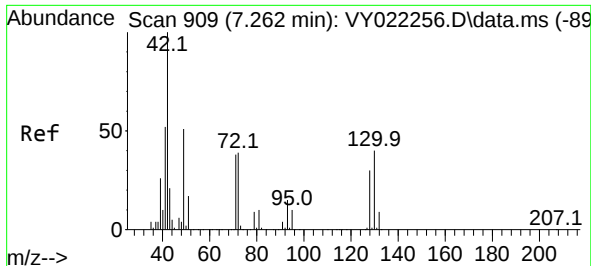
Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.6

130 71.3 54.7 82.1





#29

Tetrahydrofuran

Concen: 95.797 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

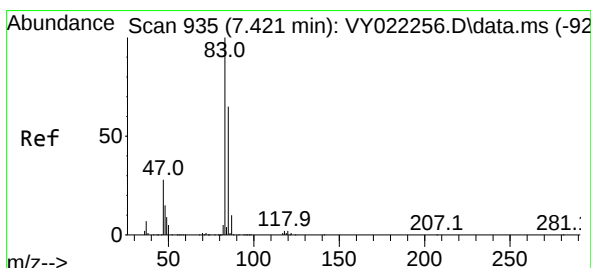
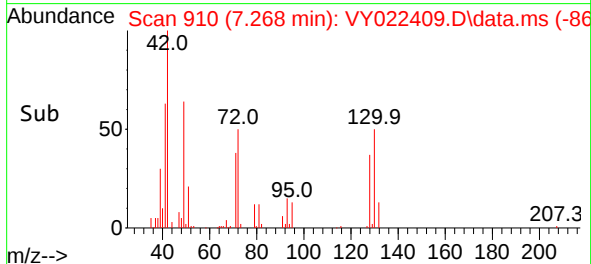
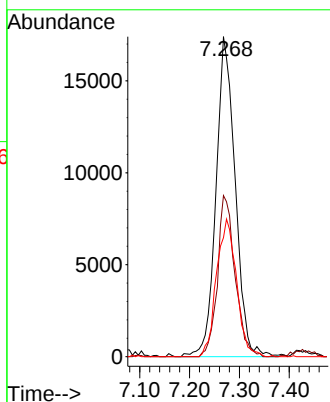
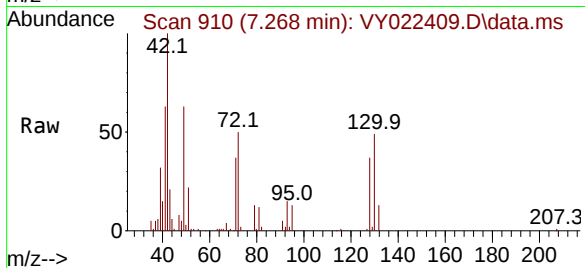
Tgt Ion: 42 Resp: 46580

Ion Ratio Lower Upper

42 100

72 46.0 33.8 50.6

71 44.7 31.5 47.3



#30

Chloroform

Concen: 20.458 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY022409.D

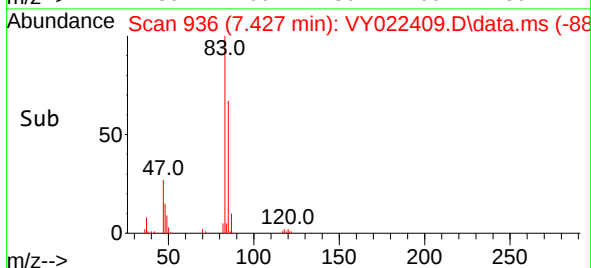
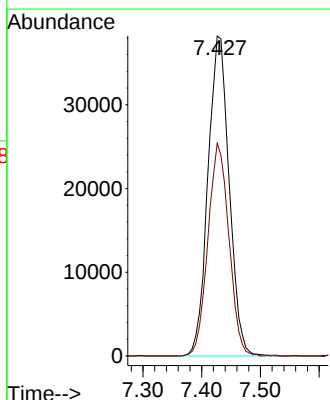
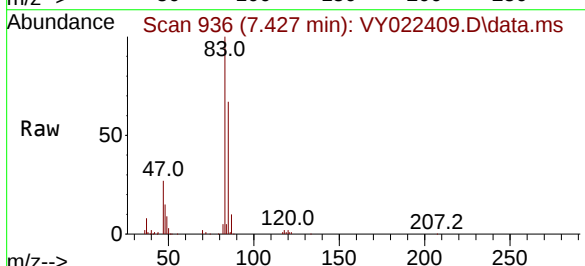
Acq: 23 May 2025 16:28

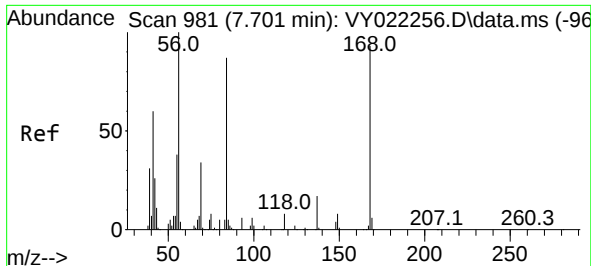
Tgt Ion: 83 Resp: 95738

Ion Ratio Lower Upper

83 100

85 66.5 51.8 77.8

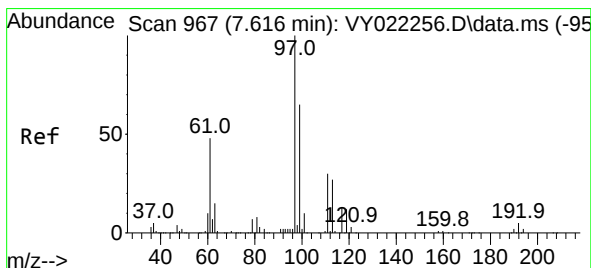
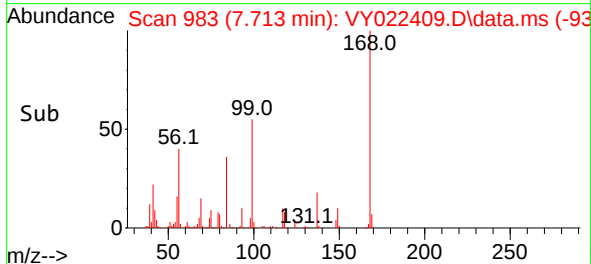
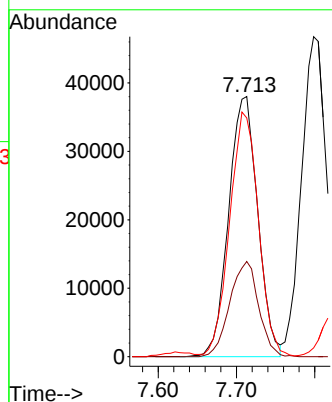
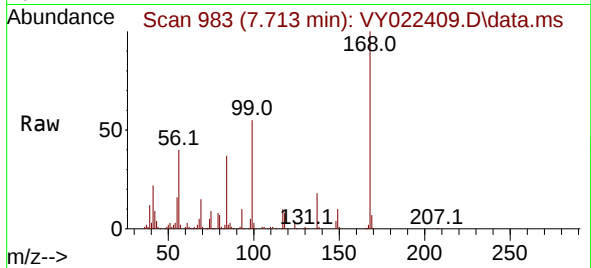




#31
Cyclohexane
Concen: 20.135 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

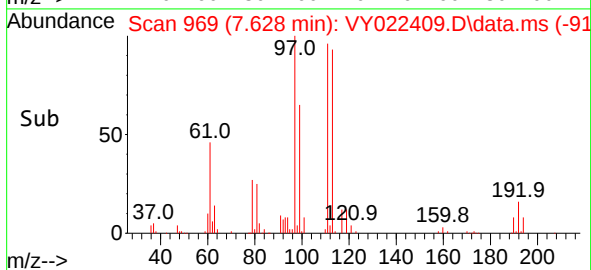
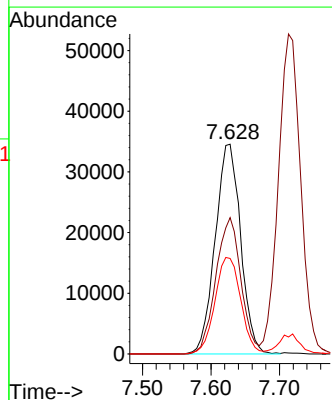
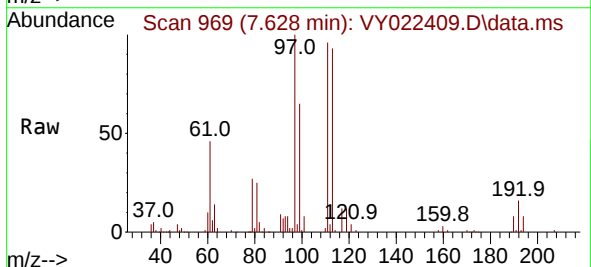
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

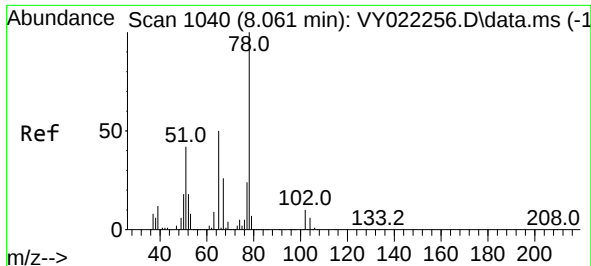
Tgt Ion: 56 Resp: 98151
Ion Ratio Lower Upper
56 100
69 36.6 27.4 41.2
84 90.2 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 20.746 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 97 Resp: 89072
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 46.7 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 50.718 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

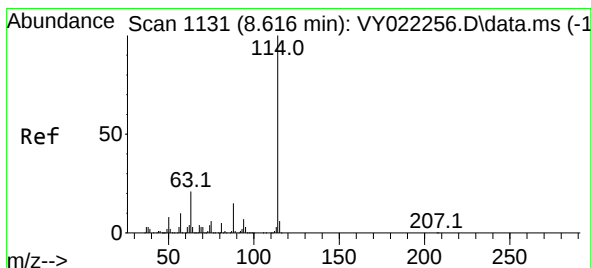
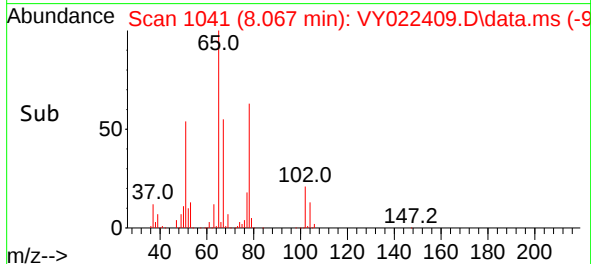
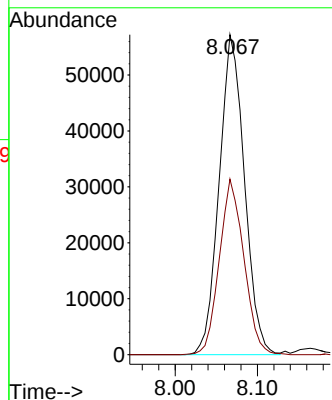
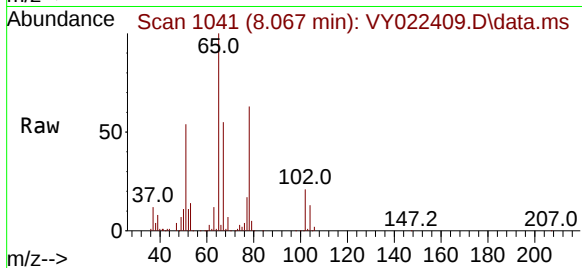
VY0523SBS01

Tgt Ion: 65 Resp: 122214

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

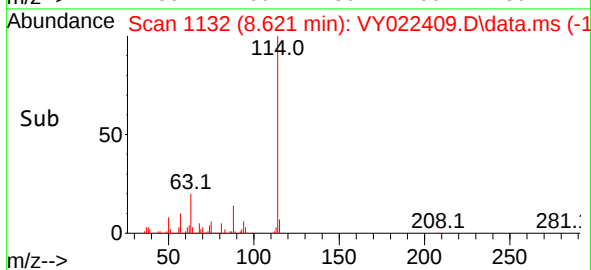
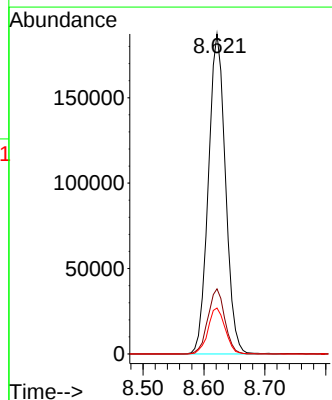
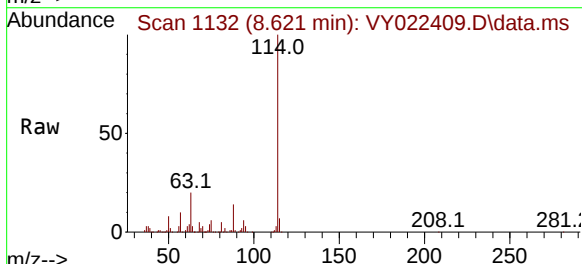
Tgt Ion:114 Resp: 365163

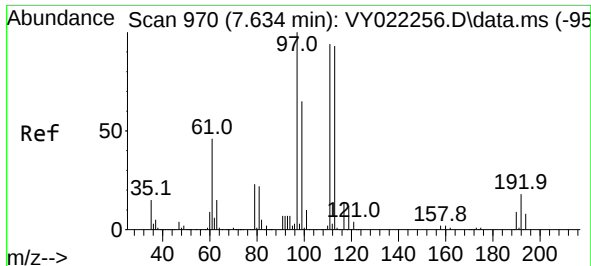
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 14.4 0.0 29.4

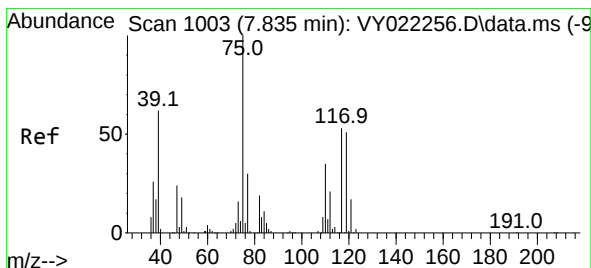
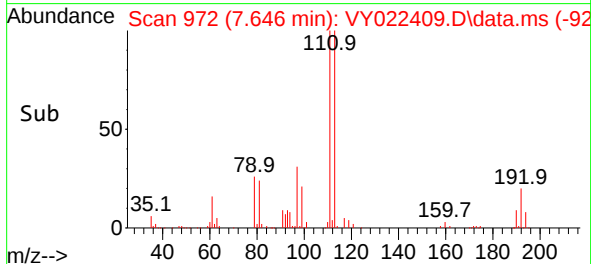
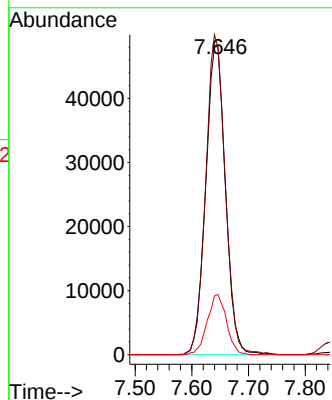
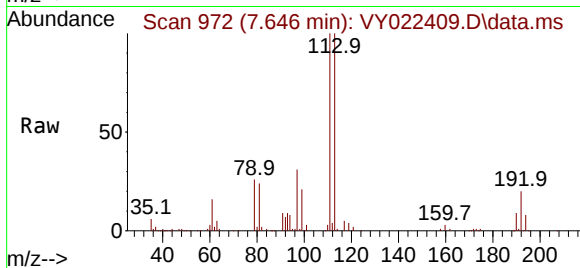




#35
Dibromofluoromethane
Concen: 53.556 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

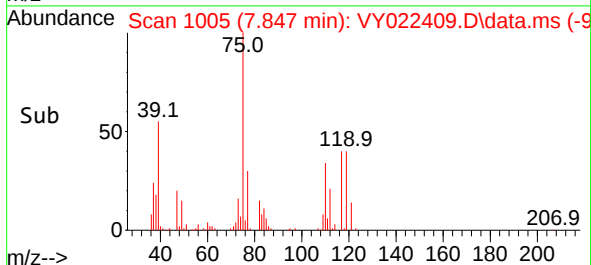
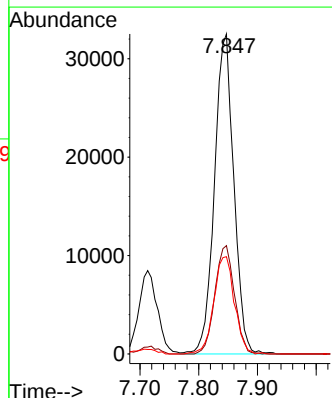
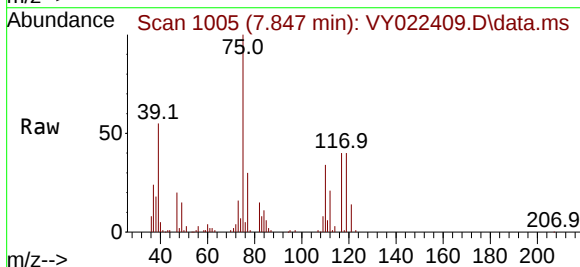
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

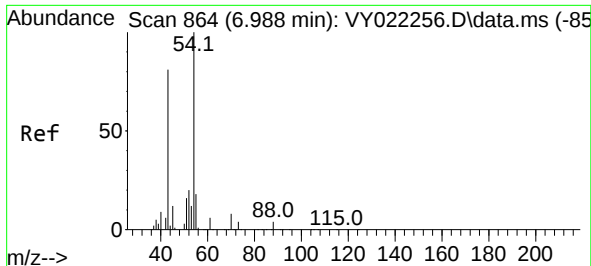
Tgt Ion:113 Resp: 116726
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 19.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 20.729 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 75 Resp: 74413
Ion Ratio Lower Upper
75 100
110 34.2 16.6 49.8
77 32.4 24.6 37.0





#37

Ethyl Acetate

Concen: 19.073 ug/l

RT: 6.994 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

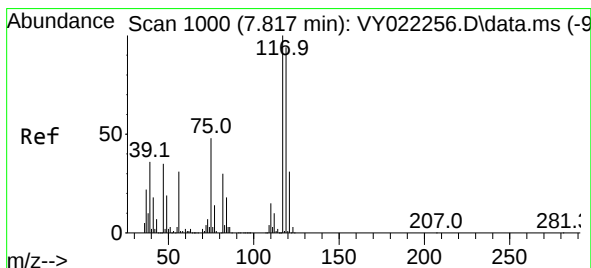
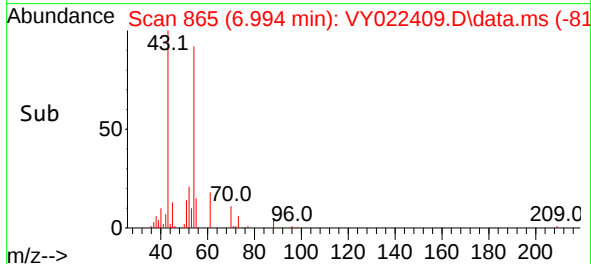
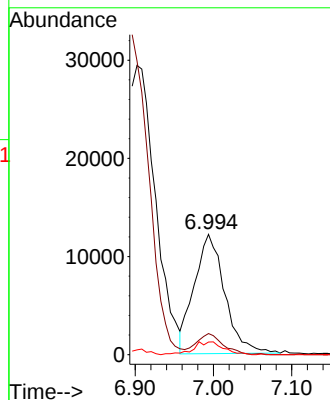
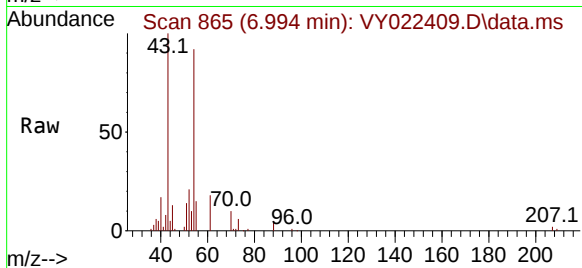
Tgt Ion: 43 Resp: 32944

Ion Ratio Lower Upper

43 100

61 14.5 10.2 15.2

70 10.5 7.6 11.4



#38

Carbon Tetrachloride

Concen: 20.880 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

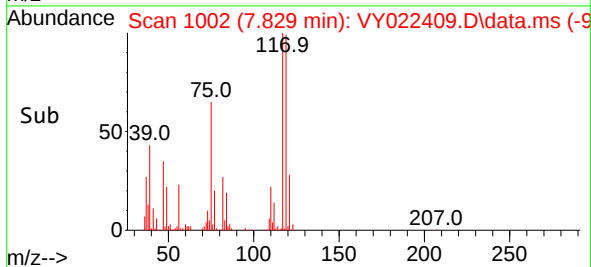
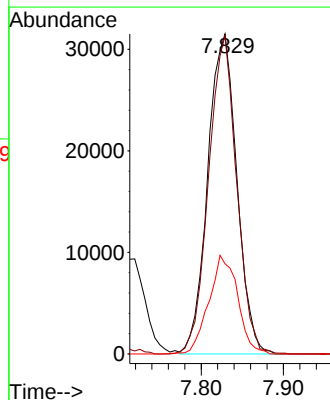
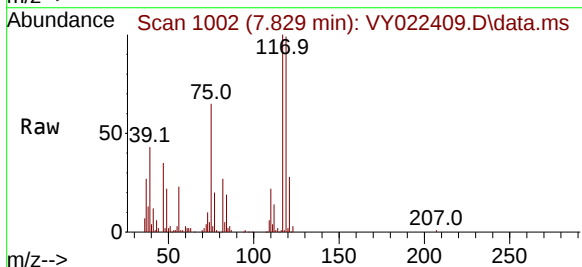
Tgt Ion: 117 Resp: 77588

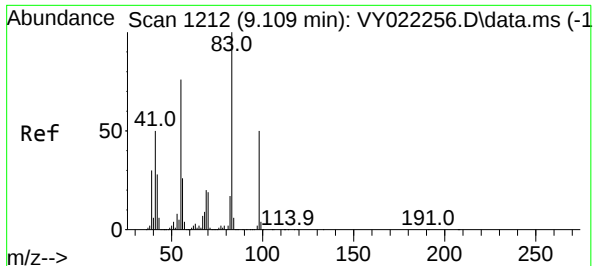
Ion Ratio Lower Upper

117 100

119 99.2 75.3 112.9

121 28.2 24.7 37.1





#39

Methylcyclohexane

Concen: 21.353 ug/l

RT: 9.115 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

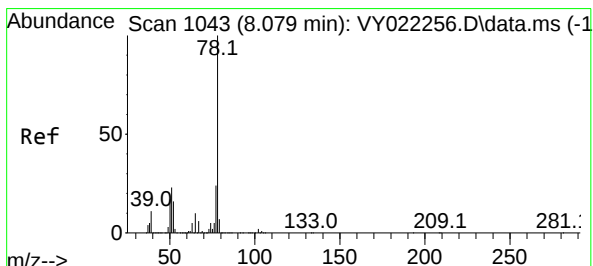
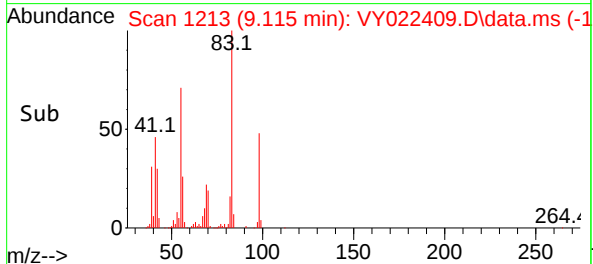
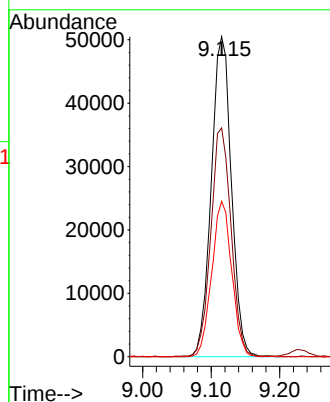
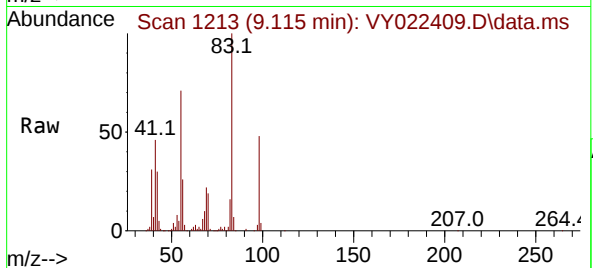
Tgt Ion: 83 Resp: 102984

Ion Ratio Lower Upper

83 100

55 71.3 60.6 90.8

98 48.5 40.0 60.0



#40

Benzene

Concen: 20.291 ug/l

RT: 8.091 min Scan# 1045

Delta R.T. 0.012 min

Lab File: VY022409.D

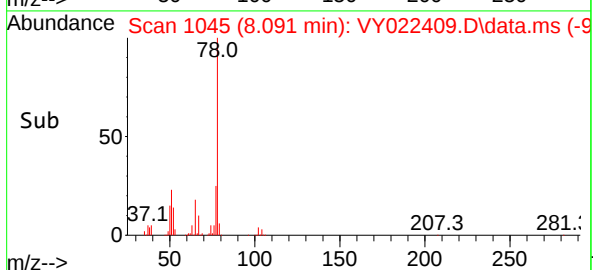
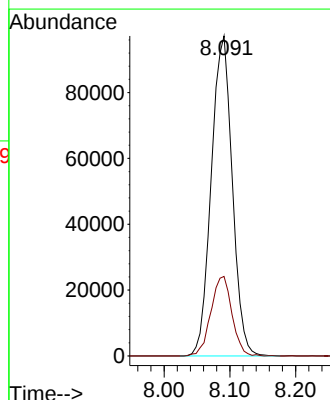
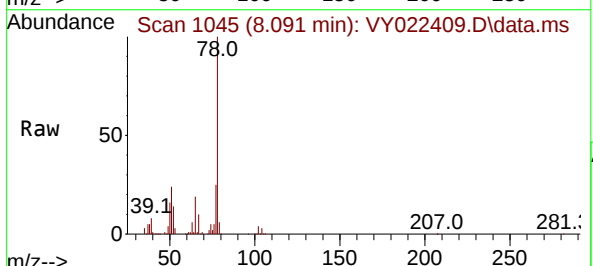
Acq: 23 May 2025 16:28

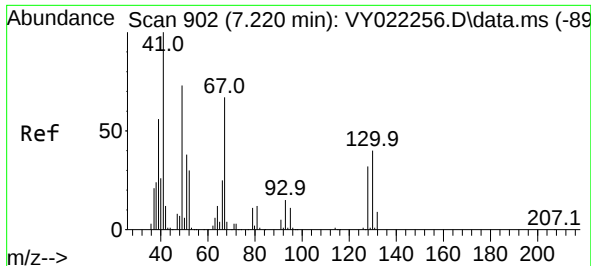
Tgt Ion: 78 Resp: 215939

Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3

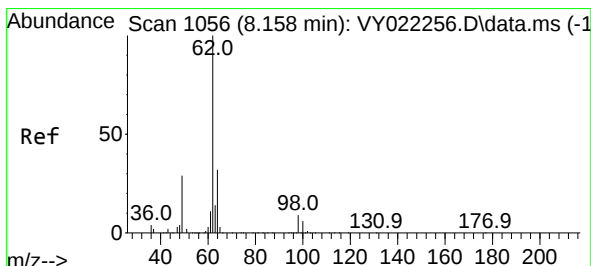
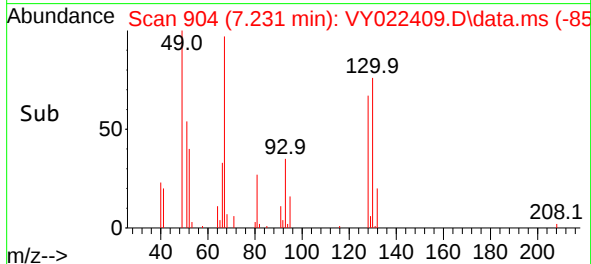
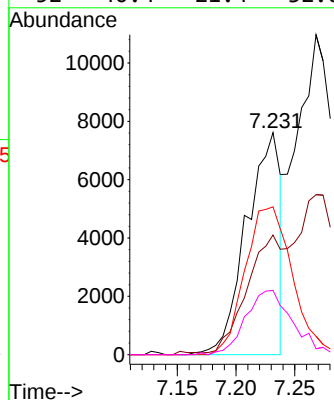
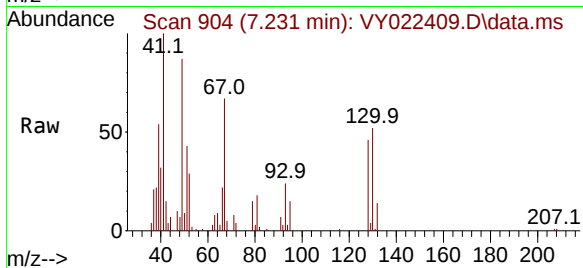




#41
Methacrylonitrile
Concen: 13.331 ug/l
RT: 7.231 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

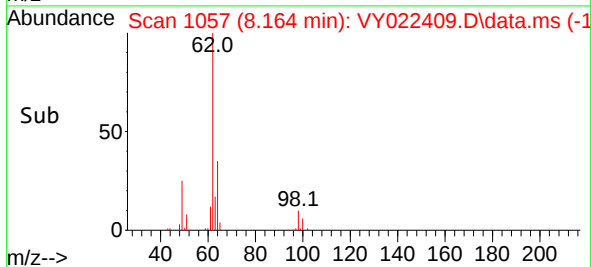
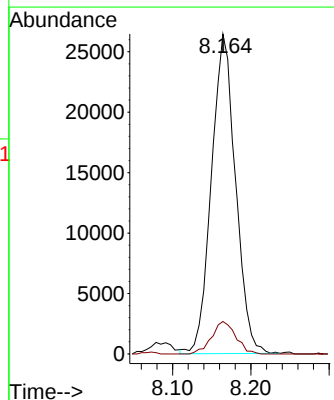
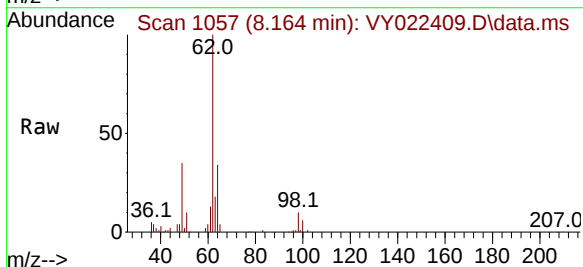
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

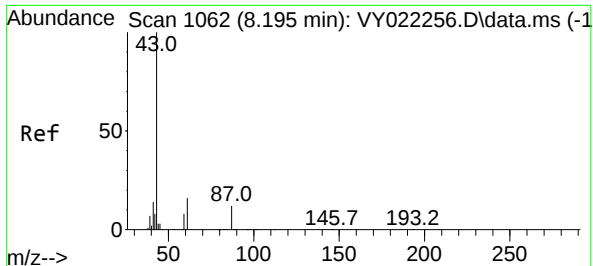
Tgt Ion: 41 Resp: 15274
Ion Ratio Lower Upper
41 100
39 52.9 39.1 58.7
67 93.8 47.1 70.7#
52 40.4 21.4 32.0#



#42
1,2-Dichloroethane
Concen: 19.649 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 62 Resp: 56548
Ion Ratio Lower Upper
62 100
98 10.2 0.0 18.4

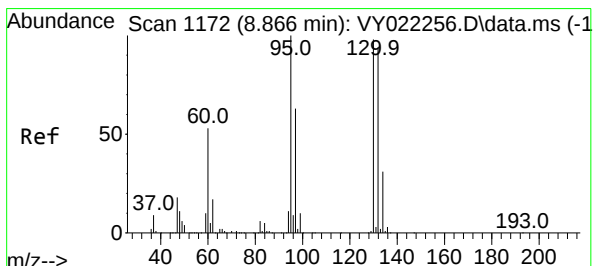
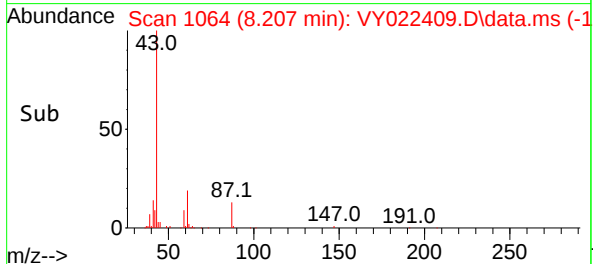
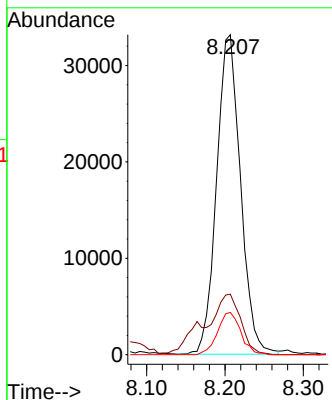
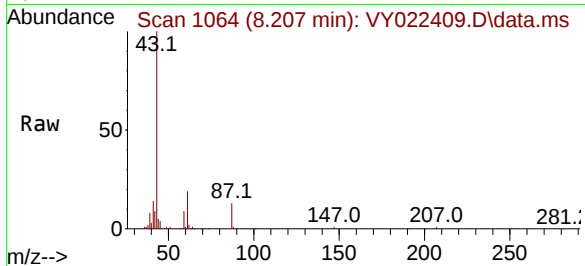




#43
Isopropyl Acetate
Concen: 18.681 ug/l
RT: 8.207 min Scan# 1064
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

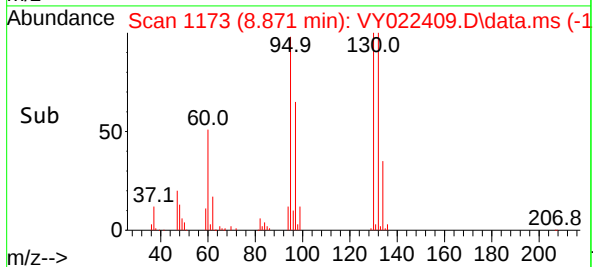
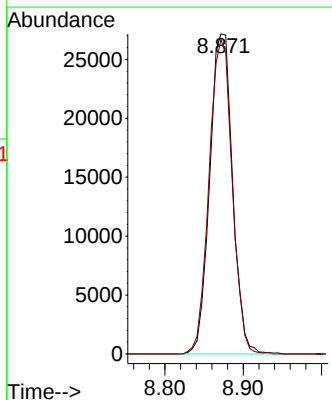
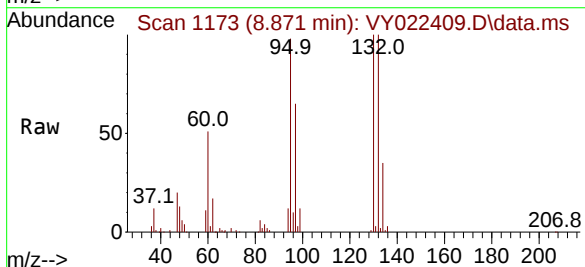
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

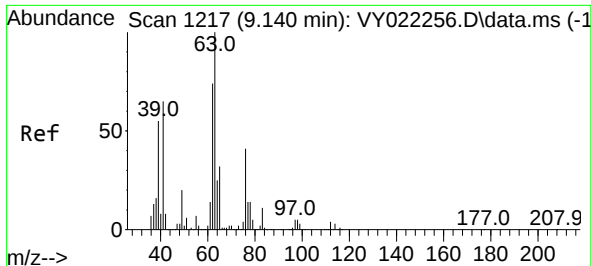
Tgt Ion: 43 Resp: 70370
Ion Ratio Lower Upper
43 100
61 20.2 15.1 22.7
87 12.8 9.7 14.5



#44
Trichloroethene
Concen: 20.806 ug/l
RT: 8.871 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:130 Resp: 55056
Ion Ratio Lower Upper
130 100
95 98.2 0.0 204.8





#45

1,2-Dichloropropane

Concen: 19.991 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

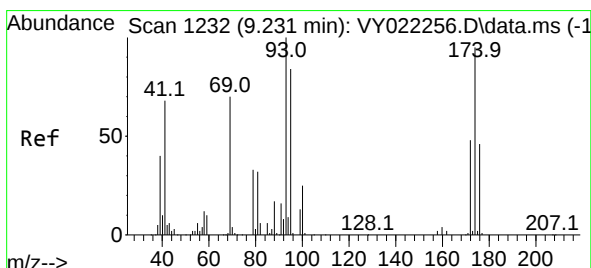
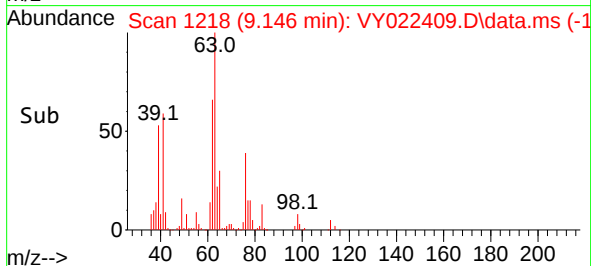
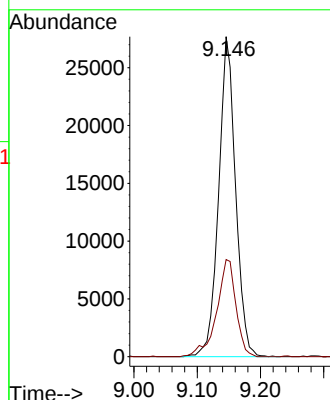
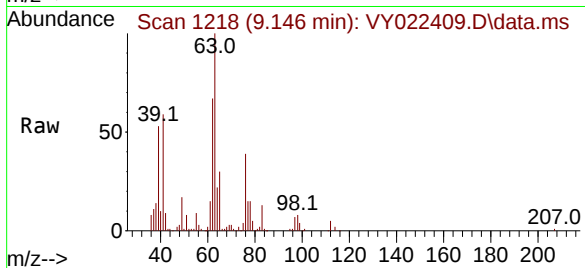
VY0523SBS01

Tgt Ion: 63 Resp: 51291

Ion Ratio Lower Upper

63 100

65 30.4 25.7 38.5



#46

Dibromomethane

Concen: 20.659 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

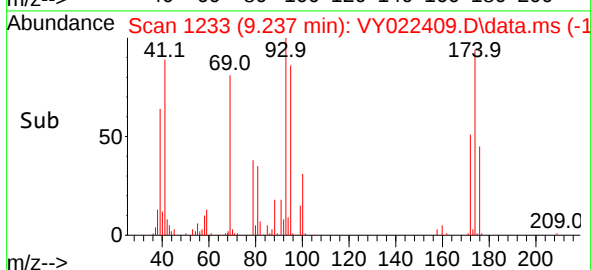
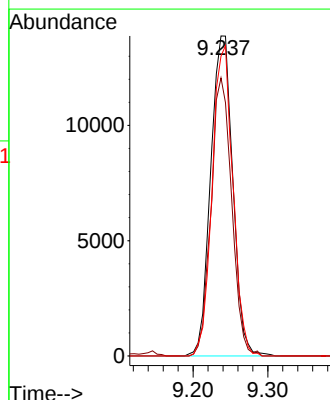
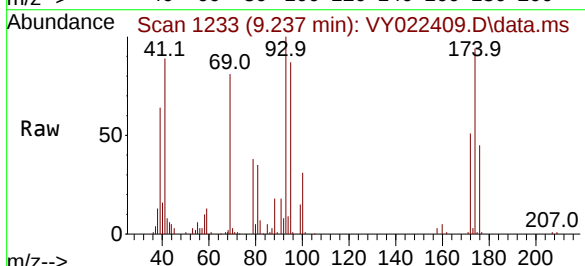
Tgt Ion: 93 Resp: 28589

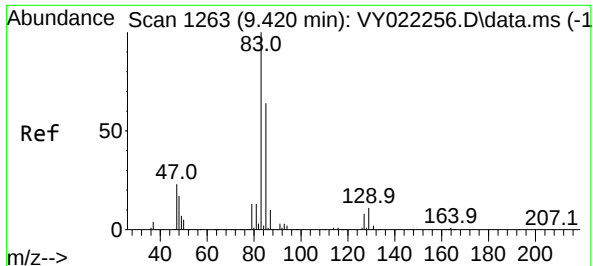
Ion Ratio Lower Upper

93 100

95 81.1 65.2 97.8

174 90.9 74.3 111.5





#47

Bromodichloromethane

Concen: 19.978 ug/l

RT: 9.426 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

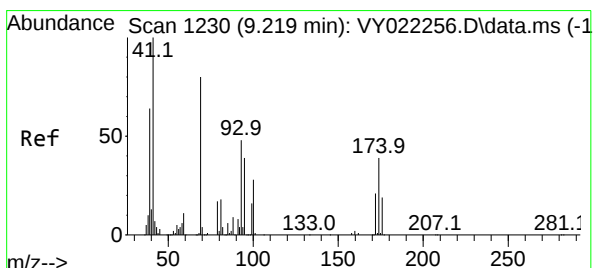
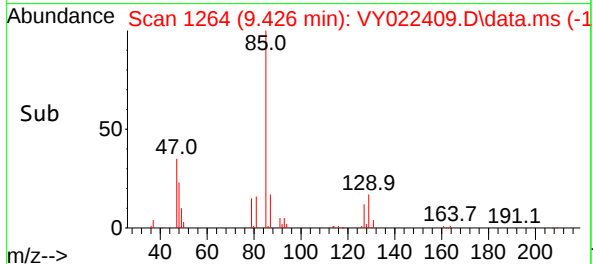
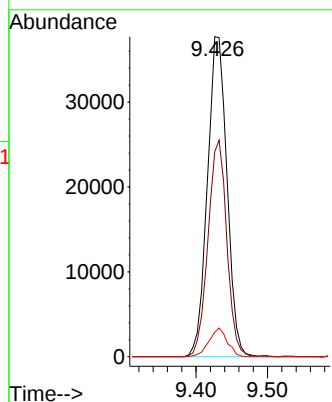
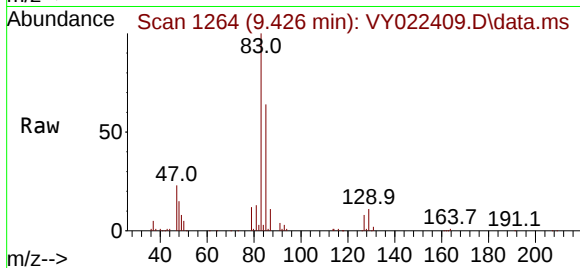
Tgt Ion: 83 Resp: 71724

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

127 7.7 6.6 10.0



#48

Methyl methacrylate

Concen: 17.434 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.012 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

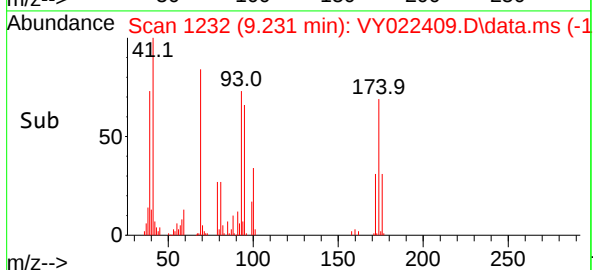
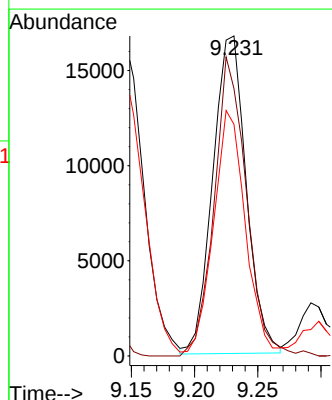
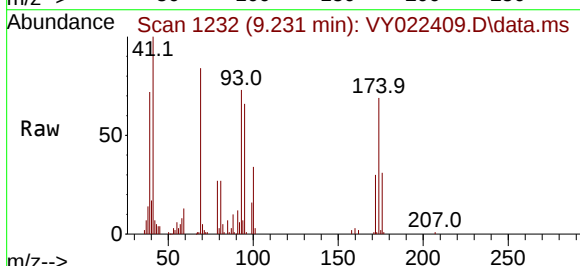
Tgt Ion: 41 Resp: 30712

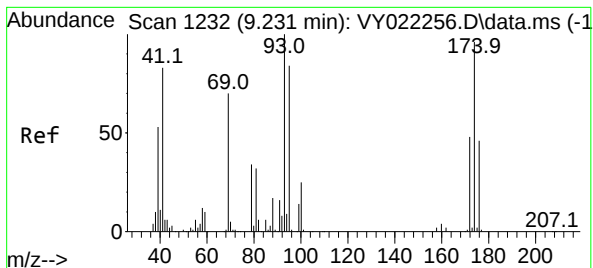
Ion Ratio Lower Upper

41 100

69 90.6 63.5 95.3

39 72.0 50.8 76.2





#49

1,4-Dioxane

Concen: 389.226 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

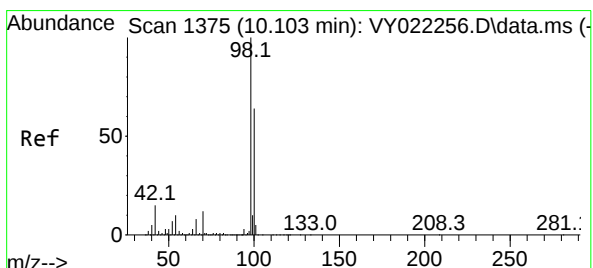
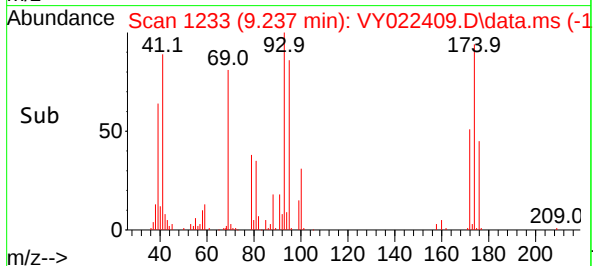
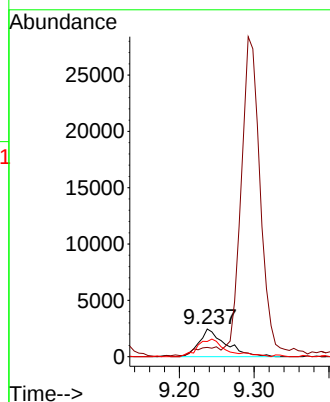
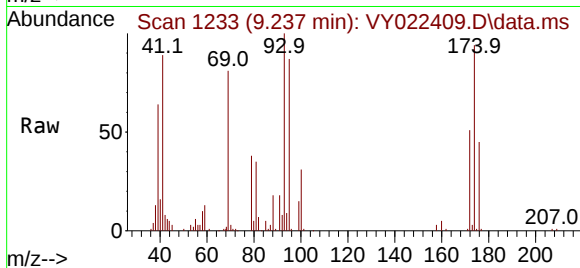
Tgt Ion: 88 Resp: 6085

Ion Ratio Lower Upper

88 100

43 35.6 28.5 42.7

58 68.0 61.4 92.2



#50

Toluene-d8

Concen: 53.519 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.012 min

Lab File: VY022409.D

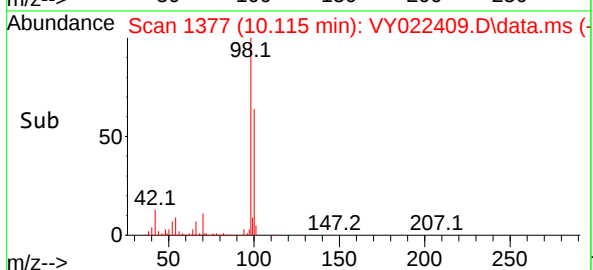
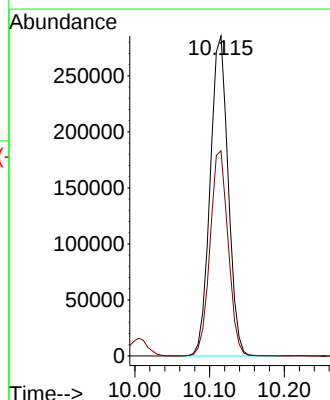
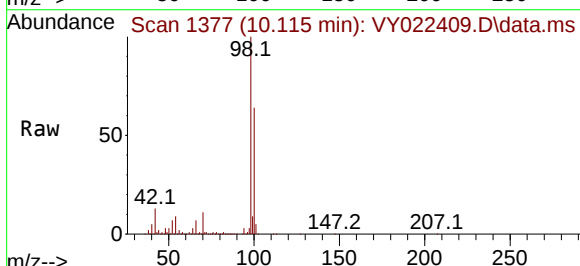
Acq: 23 May 2025 16:28

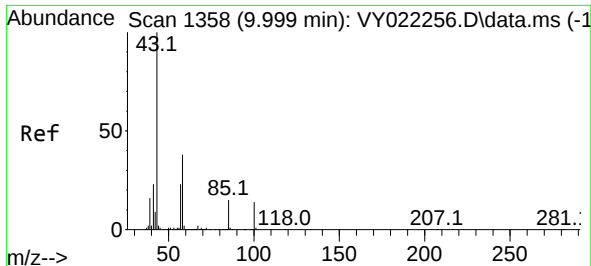
Tgt Ion: 98 Resp: 477724

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 92.790 ug/l

RT: 10.005 min Scan# 1359

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

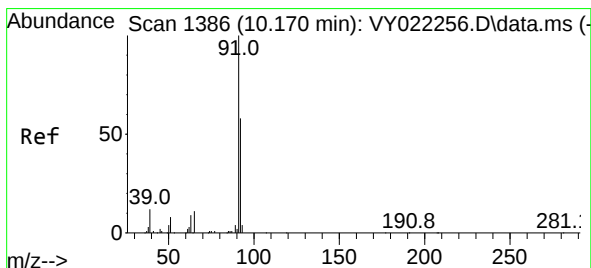
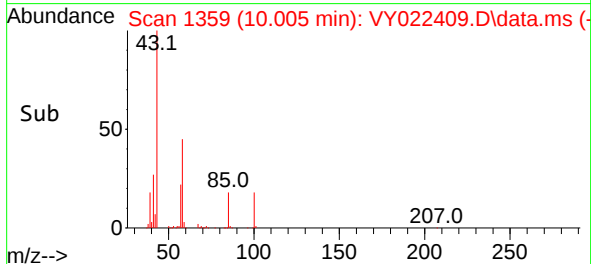
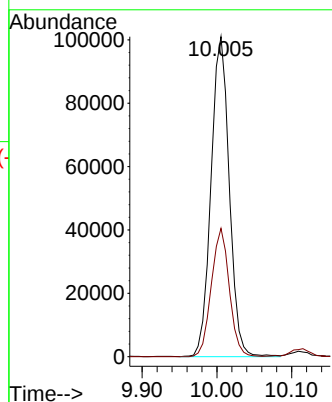
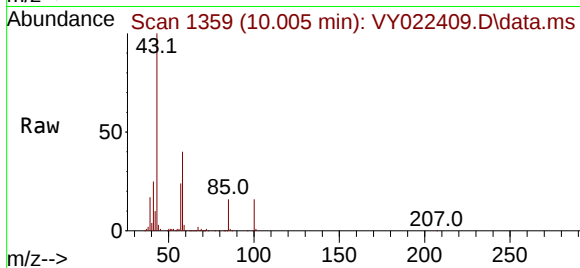
VY0523SBS01

Tgt Ion: 43 Resp: 171509

Ion Ratio Lower Upper

43 100

58 39.5 29.4 44.2



#52

Toluene

Concen: 20.220 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VY022409.D

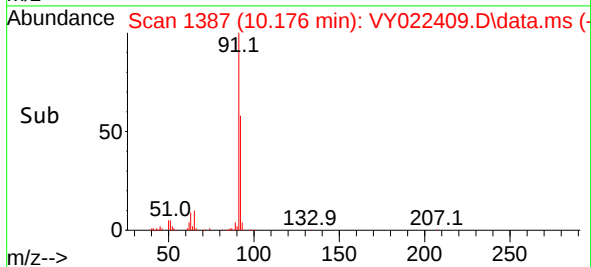
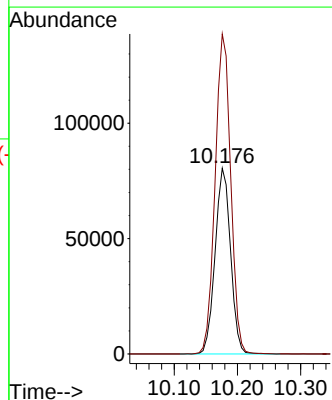
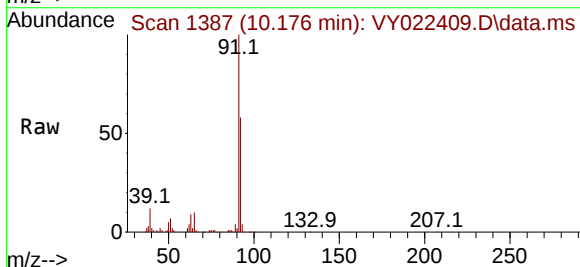
Acq: 23 May 2025 16:28

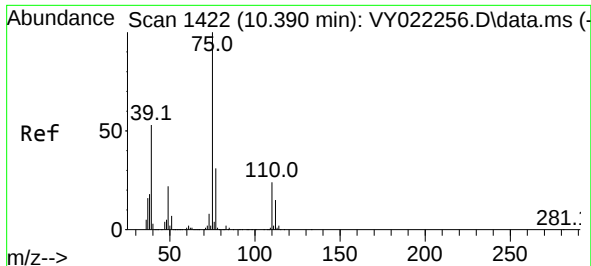
Tgt Ion: 92 Resp: 136262

Ion Ratio Lower Upper

92 100

91 173.6 139.1 208.7

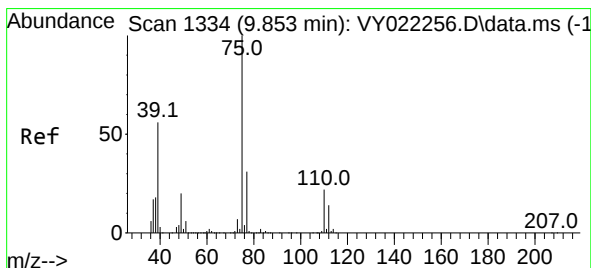
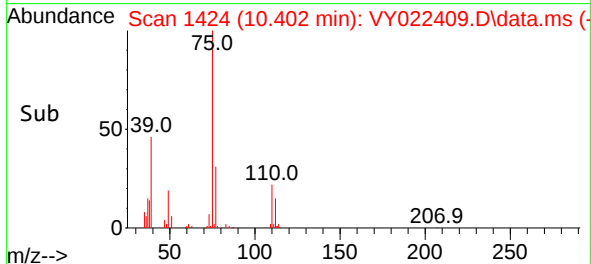
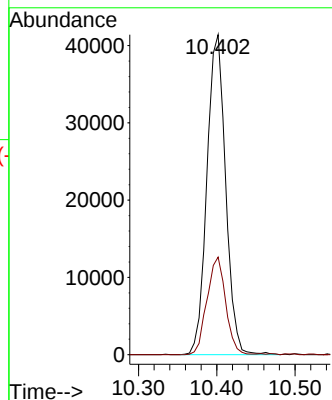
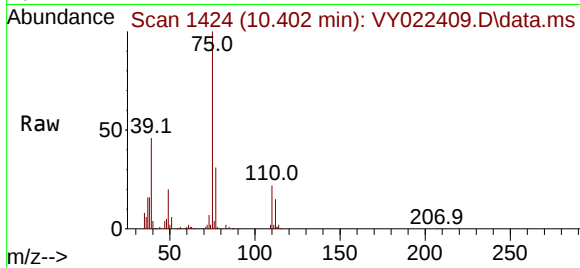




#53
t-1,3-Dichloropropene
Concen: 19.603 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

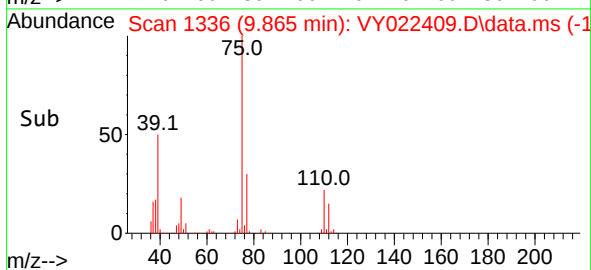
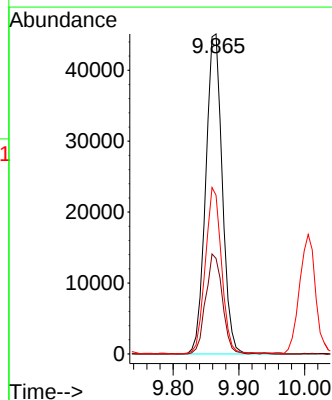
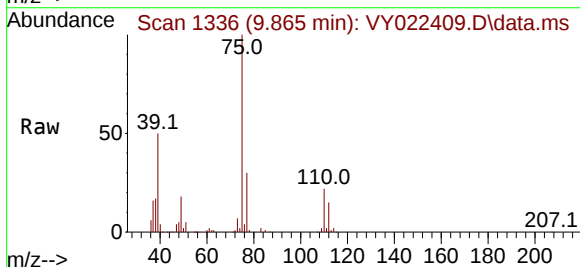
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

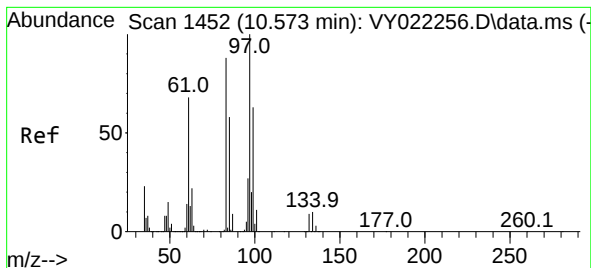
Tgt Ion: 75 Resp: 68682
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.702 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 75 Resp: 79085
Ion Ratio Lower Upper
75 100
77 29.9 25.1 37.7
39 49.5 44.5 66.7





#55

1,1,2-Trichloroethane

Concen: 20.168 ug/l

RT: 10.578 min Scan# 1452

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

Tgt Ion: 97 Resp: 35739

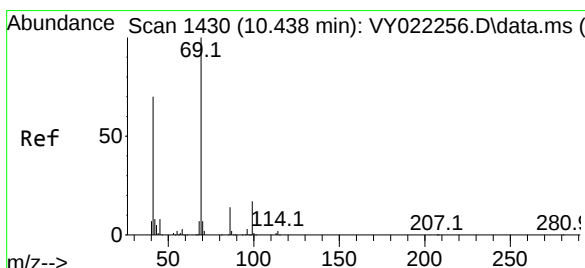
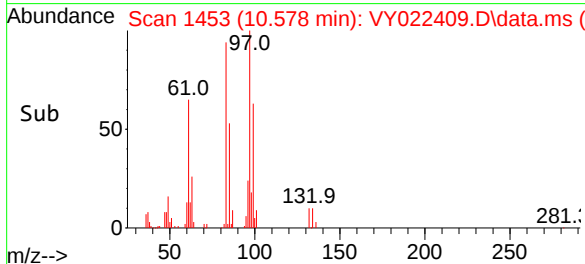
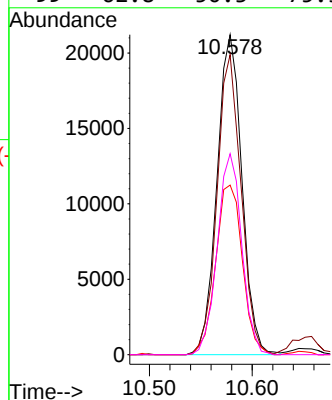
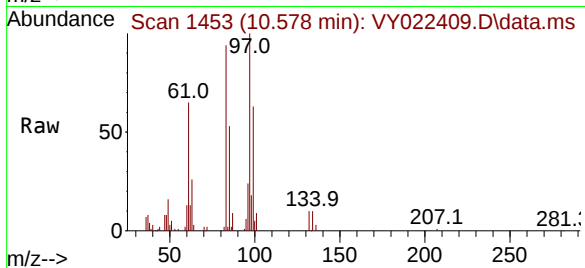
Ion Ratio Lower Upper

97 100

83 93.7 70.3 105.5

85 53.0 46.2 69.4

99 62.8 50.3 75.5



#56

Ethyl methacrylate

Concen: 19.889 ug/l

RT: 10.444 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

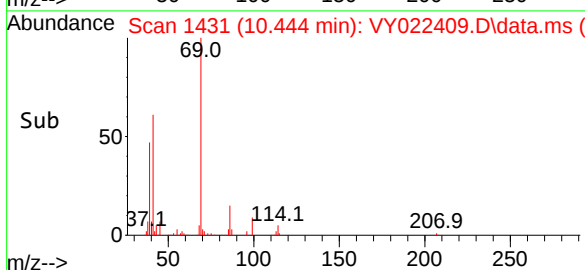
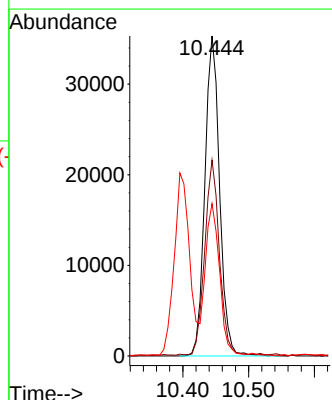
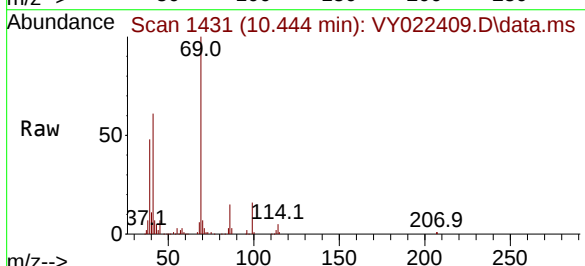
Tgt Ion: 69 Resp: 54901

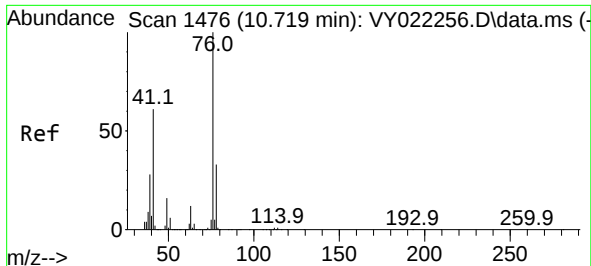
Ion Ratio Lower Upper

69 100

41 61.0 56.5 84.7

39 44.3 37.1 55.7





#57

1,3-Dichloropropane

Concen: 20.578 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

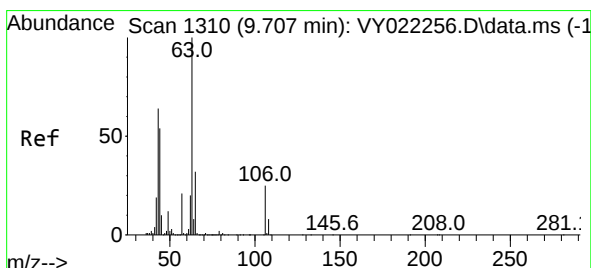
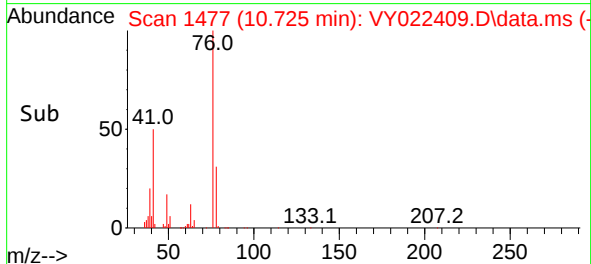
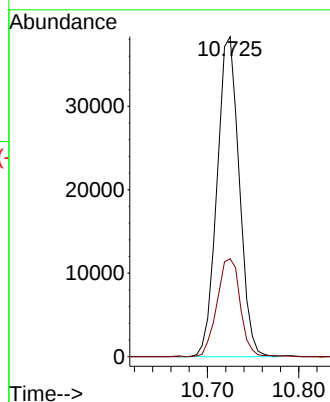
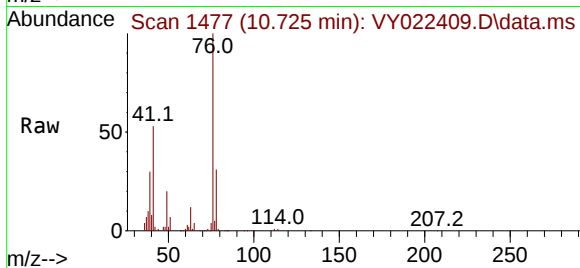
VY0523SBS01

Tgt Ion: 76 Resp: 64791

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 85.834 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.012 min

Lab File: VY022409.D

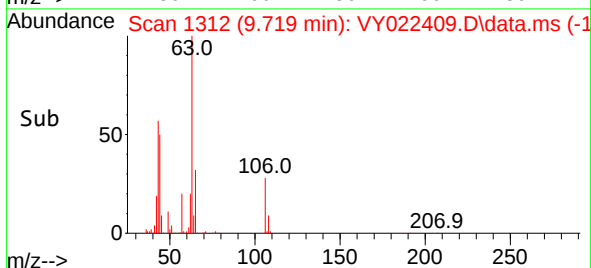
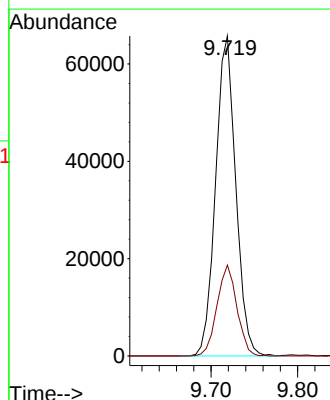
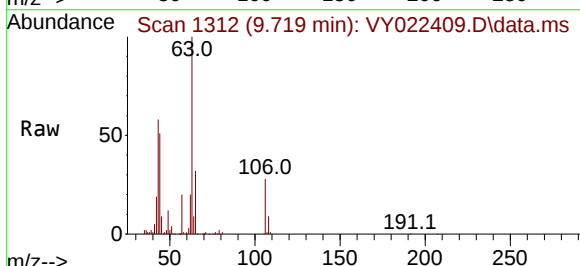
Acq: 23 May 2025 16:28

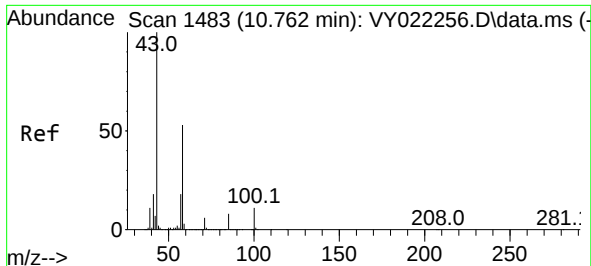
Tgt Ion: 63 Resp: 106348

Ion Ratio Lower Upper

63 100

106 28.0 21.0 31.4

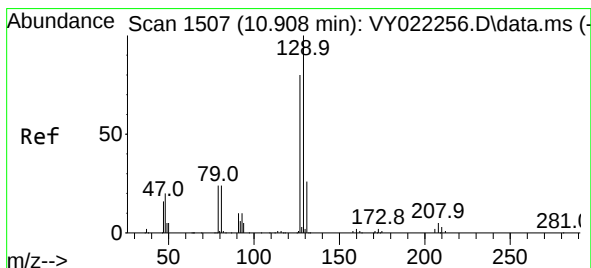
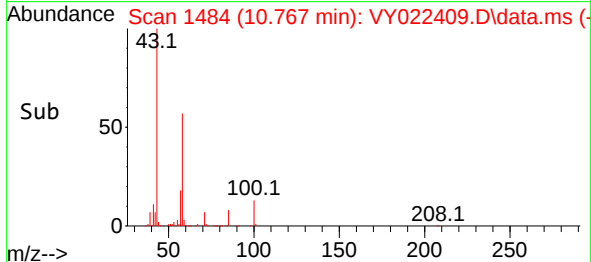
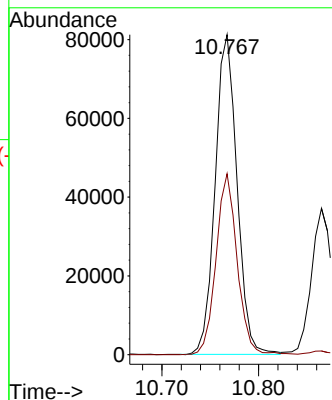
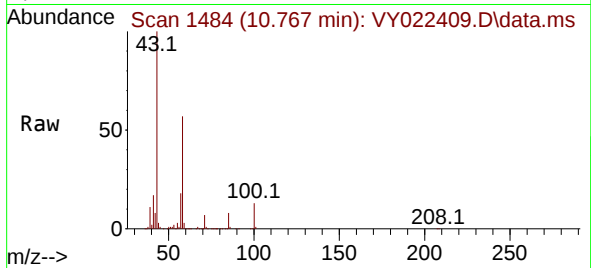




#59
2-Hexanone
Concen: 102.550 ug/l
RT: 10.767 min Scan# 1484
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

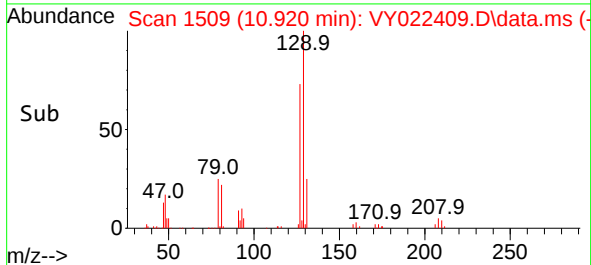
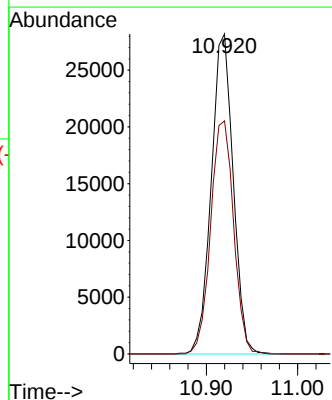
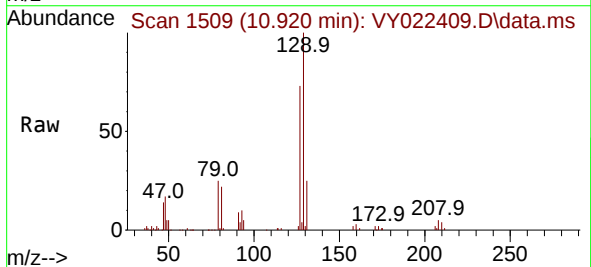
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

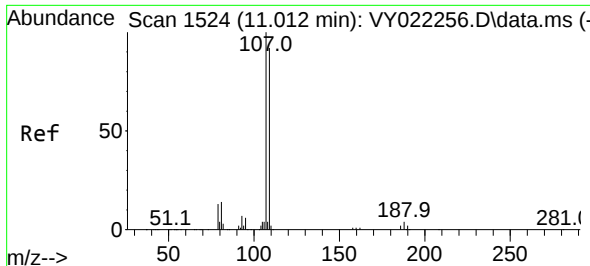
Tgt Ion: 43 Resp: 127089
Ion Ratio Lower Upper
43 100
58 54.9 26.1 78.3



#60
Dibromochloromethane
Concen: 20.398 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 129 Resp: 46918
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.7

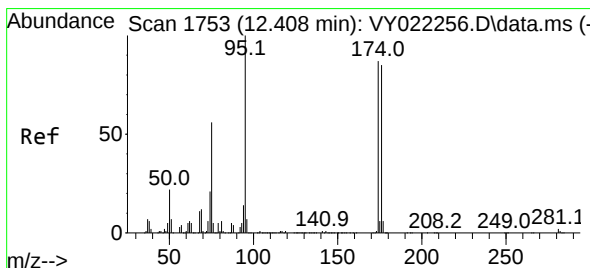
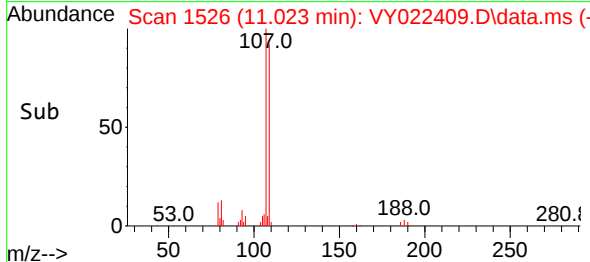
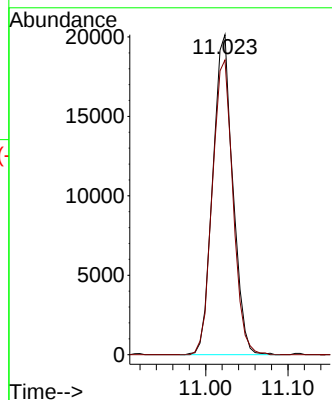
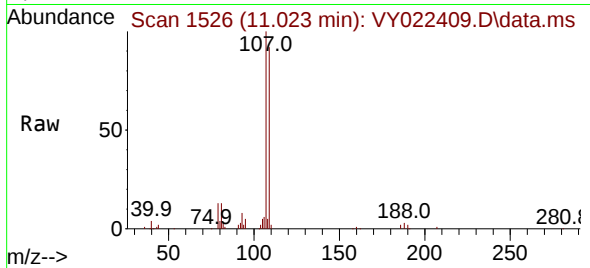




#61
1,2-Dibromoethane
Concen: 20.674 ug/l
RT: 11.023 min Scan# 1526
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

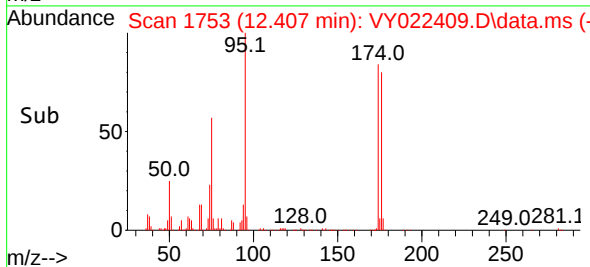
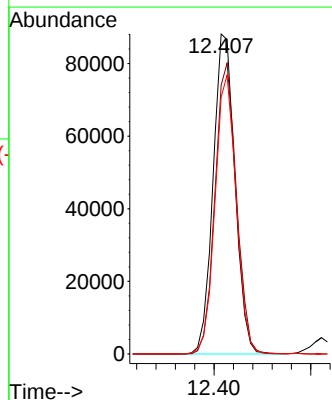
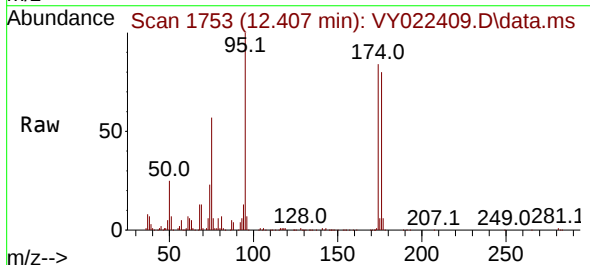
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

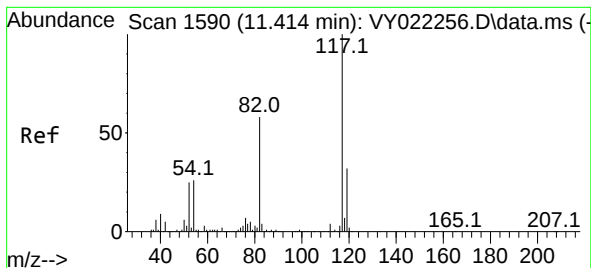
Tgt Ion:107 Resp: 34146
Ion Ratio Lower Upper
107 100
109 94.4 74.6 111.8



#62
4-Bromofluorobenzene
Concen: 48.757 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 95 Resp: 137951
Ion Ratio Lower Upper
95 100
174 89.3 0.0 166.8
176 84.6 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

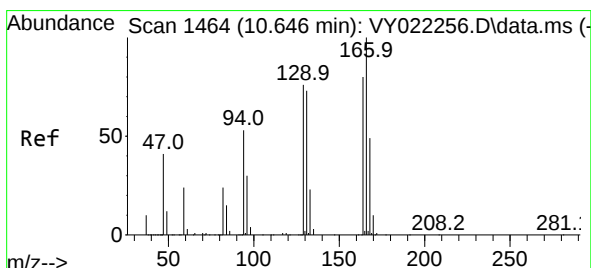
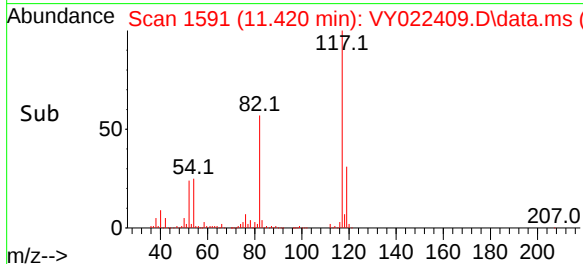
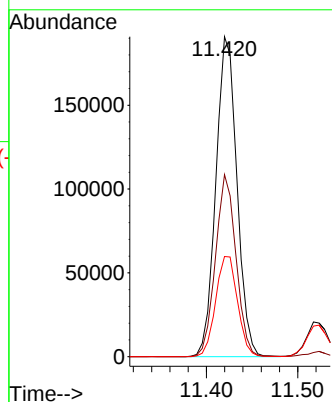
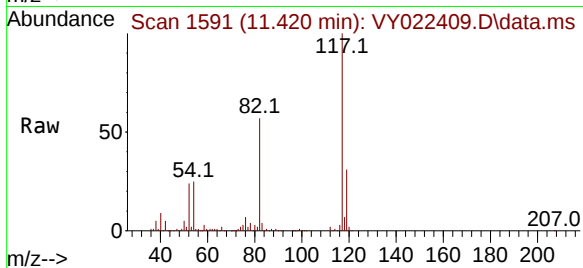
Tgt Ion:117 Resp: 306453

Ion Ratio Lower Upper

117 100

82 56.9 46.6 70.0

119 31.3 25.8 38.6



#64

Tetrachloroethene

Concen: 21.065 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:164 Resp: 59668

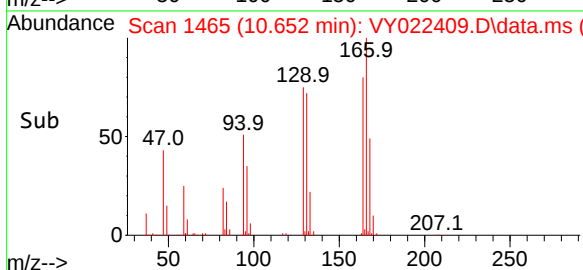
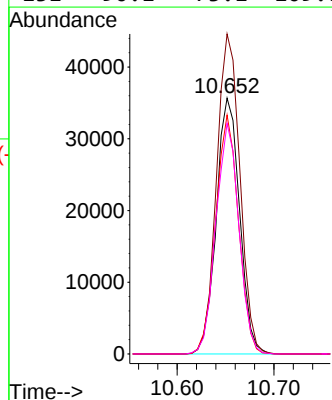
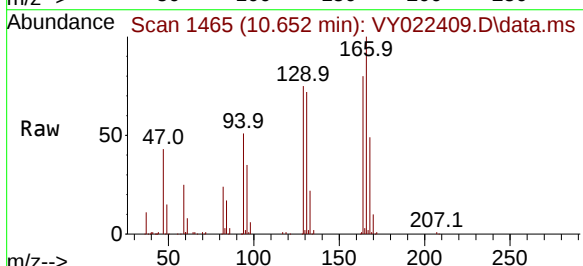
Ion Ratio Lower Upper

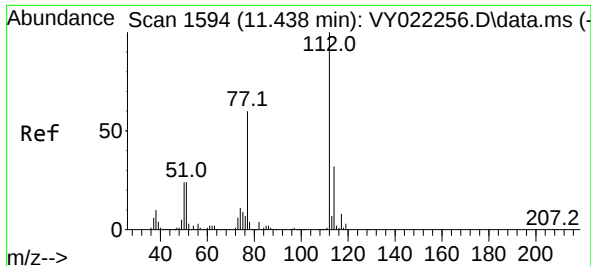
164 100

166 125.1 100.4 150.6

129 93.4 76.4 114.6

131 90.1 73.1 109.7

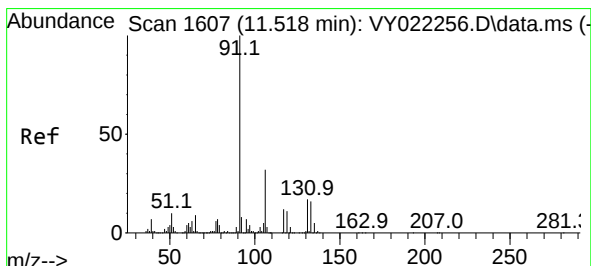
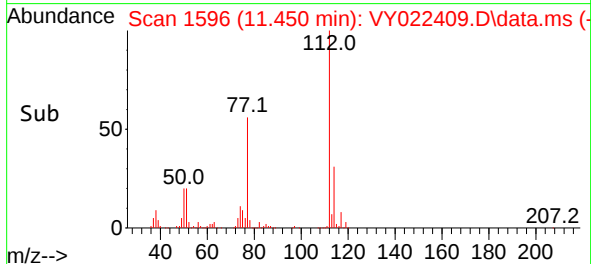
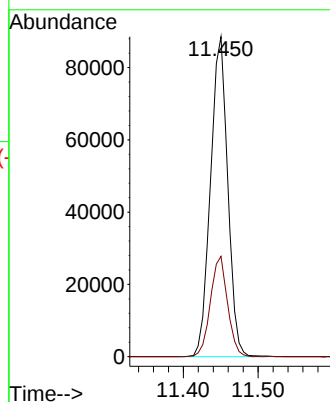
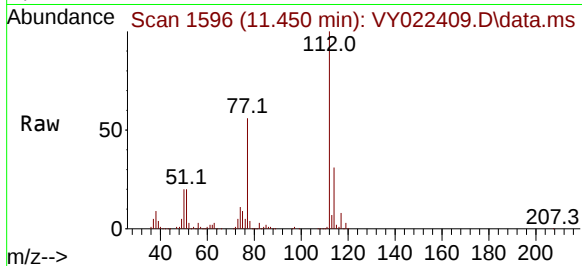




#65
Chlorobenzene
Concen: 20.547 ug/l
RT: 11.450 min Scan# 111
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

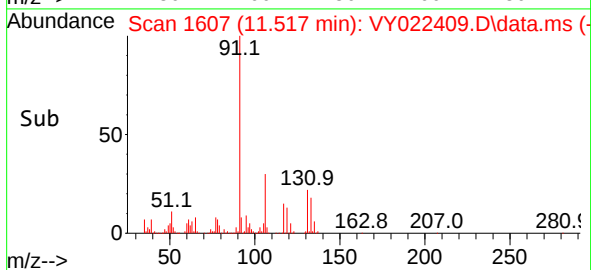
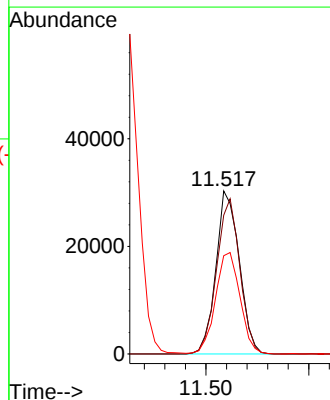
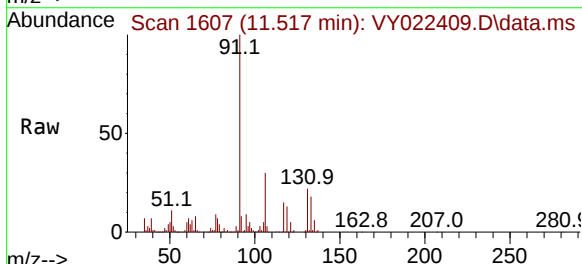
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

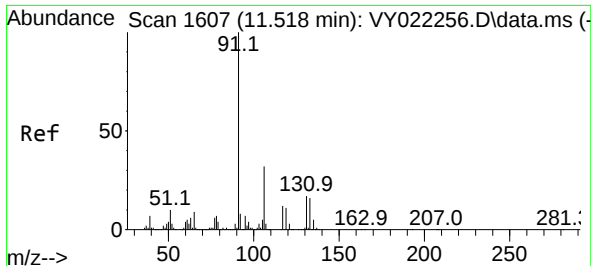
Tgt Ion:112 Resp: 142059
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.078 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:131 Resp: 47723
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 65.4 33.1 99.2





#67

Ethyl Benzene

Concen: 20.286 ug/l

RT: 11.523 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

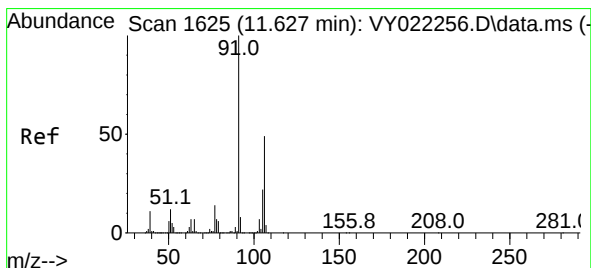
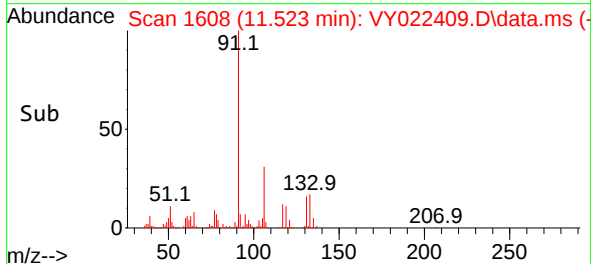
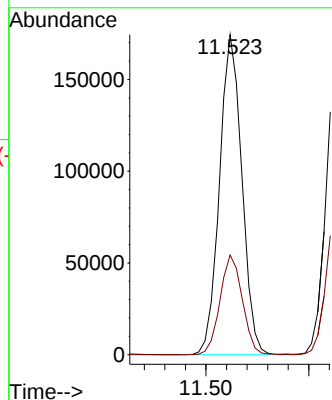
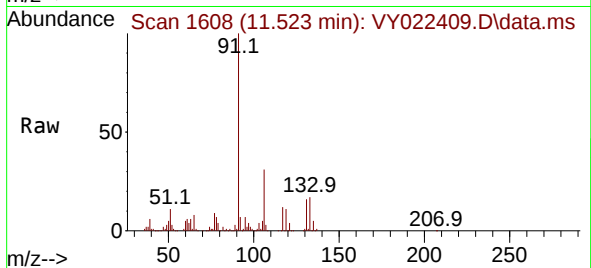
VY0523SBS01

Tgt Ion: 91 Resp: 262665

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.0



#68

m/p-Xylenes

Concen: 40.555 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022409.D

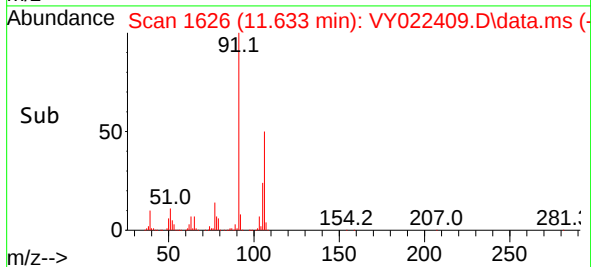
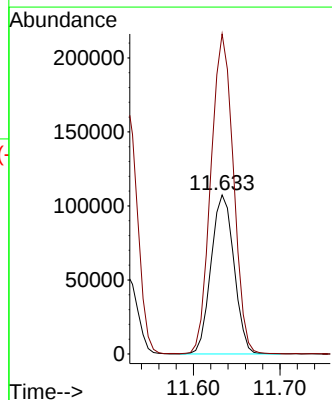
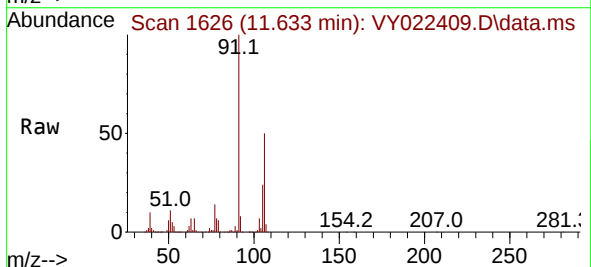
Acq: 23 May 2025 16:28

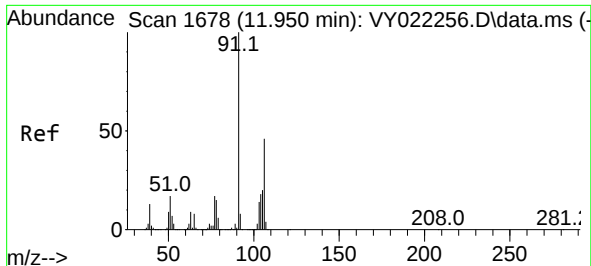
Tgt Ion:106 Resp: 197872

Ion Ratio Lower Upper

106 100

91 197.5 163.0 244.4

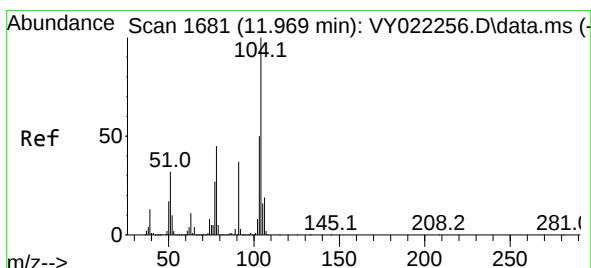
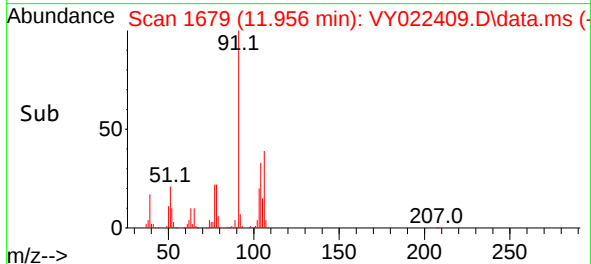
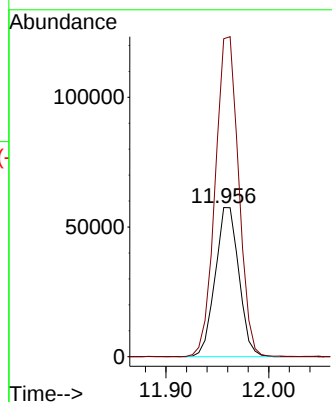
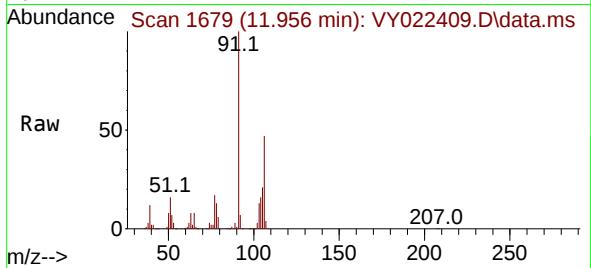




#69
o-Xylene
Concen: 19.908 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

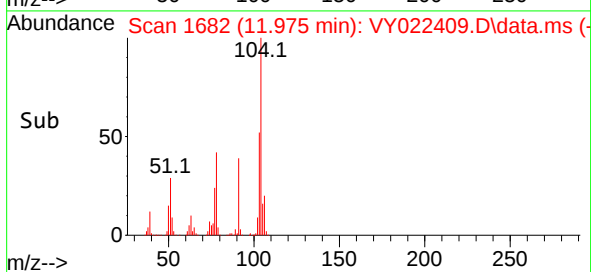
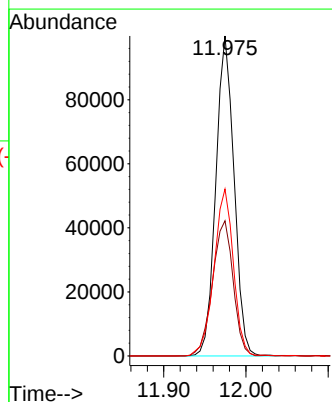
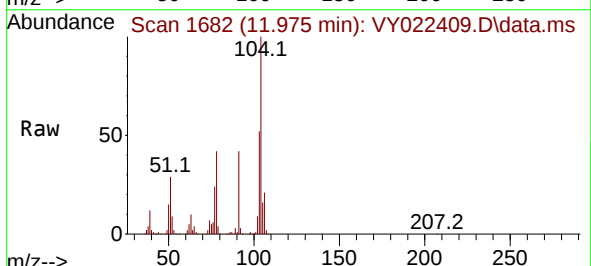
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

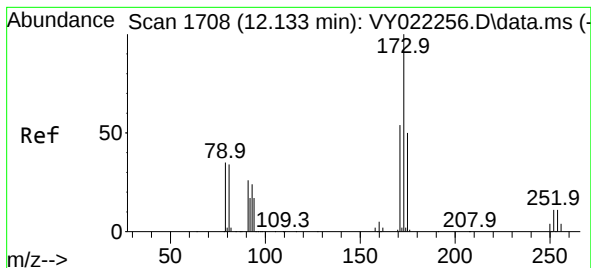
Tgt Ion:106 Resp: 91898
Ion Ratio Lower Upper
106 100
91 212.8 108.3 324.8



#70
Styrene
Concen: 19.765 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:104 Resp: 153910
Ion Ratio Lower Upper
104 100
78 47.9 40.9 61.3
103 55.7 43.7 65.5





#71

Bromoform

Concen: 19.951 ug/l

RT: 12.139 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

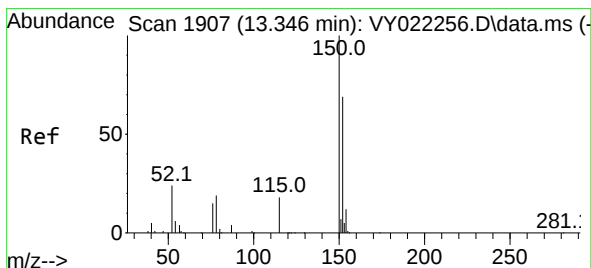
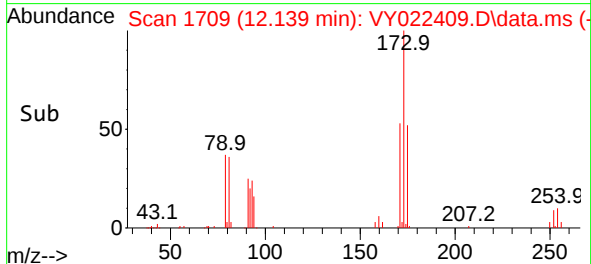
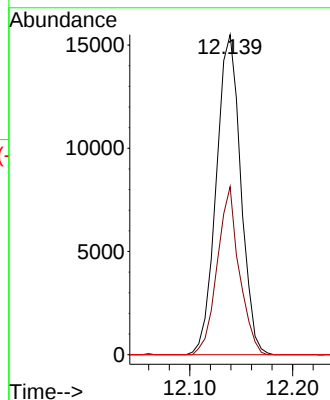
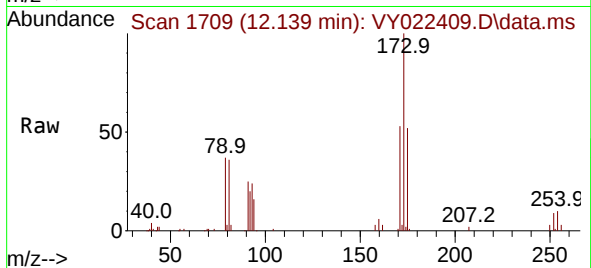
Tgt Ion:173 Resp: 25596

Ion Ratio Lower Upper

173 100

175 47.2 24.7 74.1

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

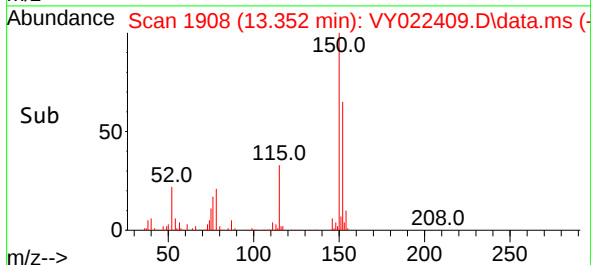
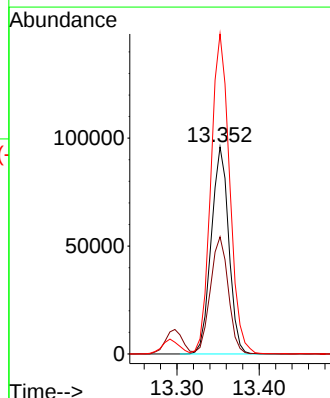
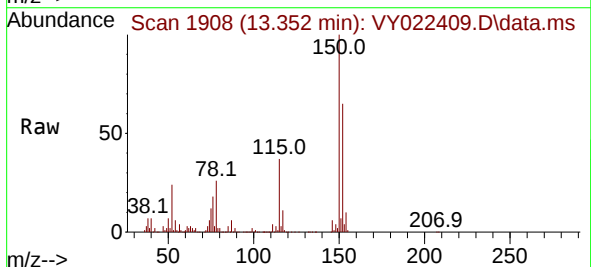
Tgt Ion:152 Resp: 141917

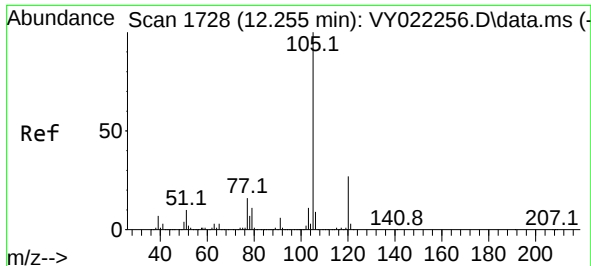
Ion Ratio Lower Upper

152 100

115 57.7 29.4 88.2

150 164.9 0.0 353.8

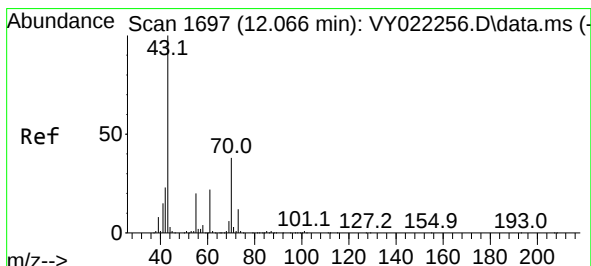
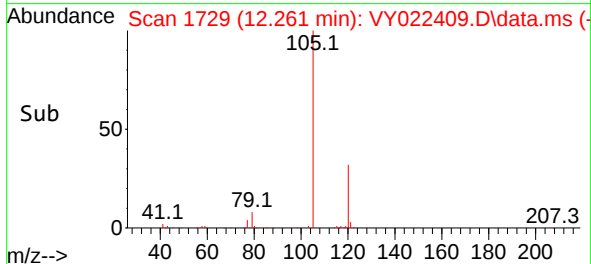
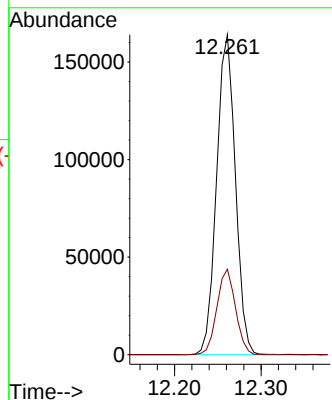
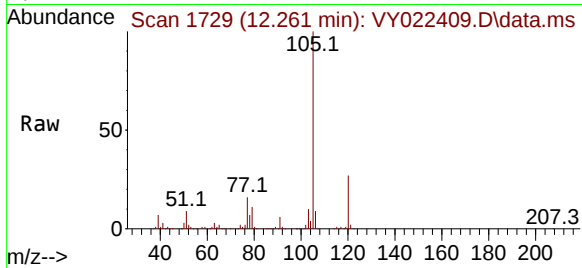




#73
Isopropylbenzene
Concen: 21.034 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

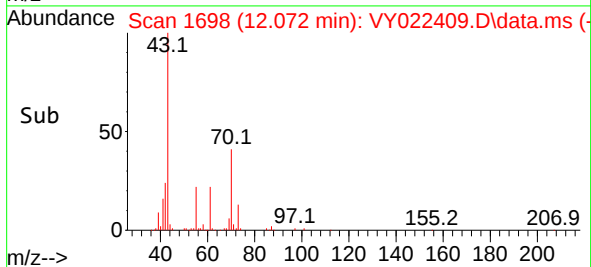
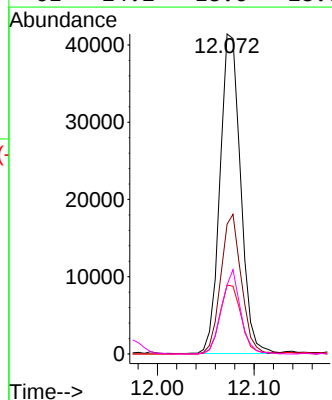
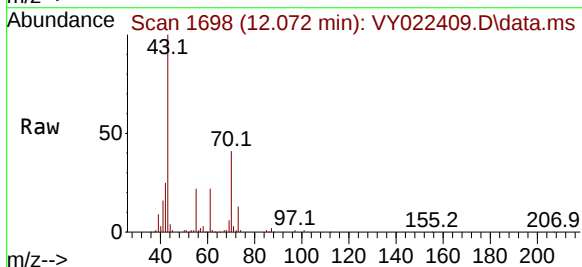
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

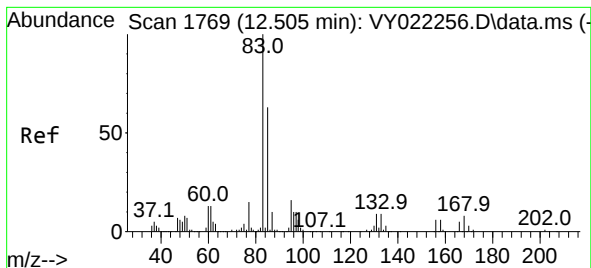
Tgt Ion:105 Resp: 247301
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.6



#74
N-ethyl acetate
Concen: 18.223 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 43 Resp: 61277
Ion Ratio Lower Upper
43 100
70 43.4 31.4 47.0
55 22.3 17.0 25.6
61 24.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.883 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

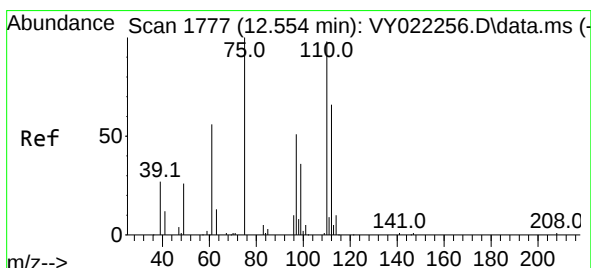
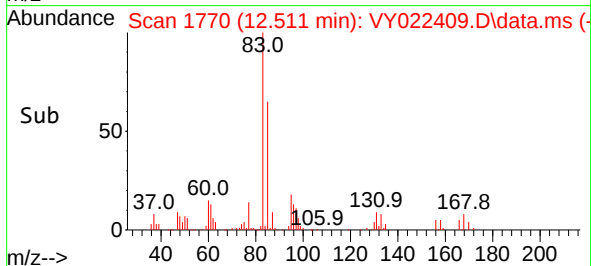
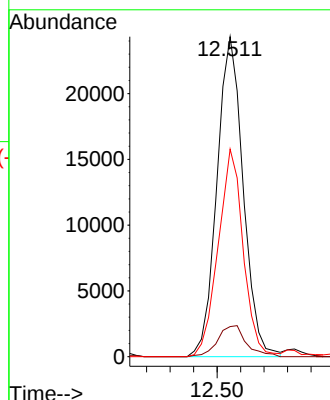
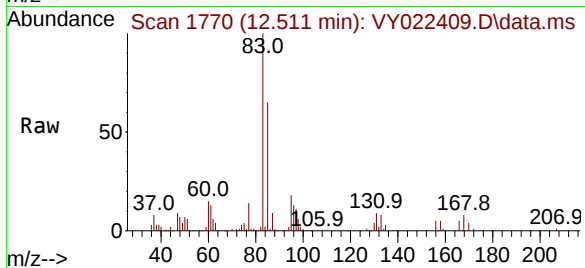
Tgt Ion: 83 Resp: 37759

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

85 62.0 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 37.941 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY022409.D

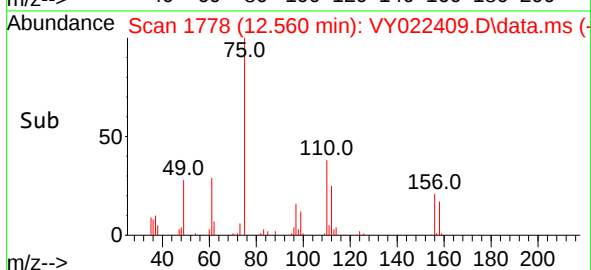
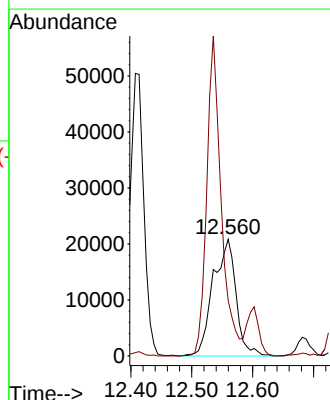
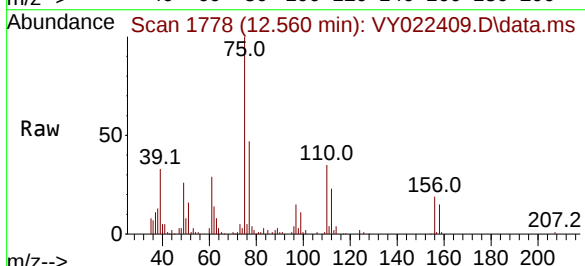
Acq: 23 May 2025 16:28

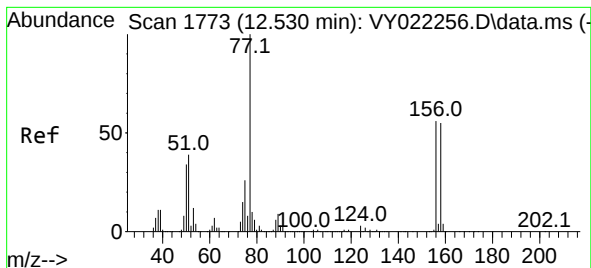
Tgt Ion: 75 Resp: 54551

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.854 ug/l

RT: 12.535 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

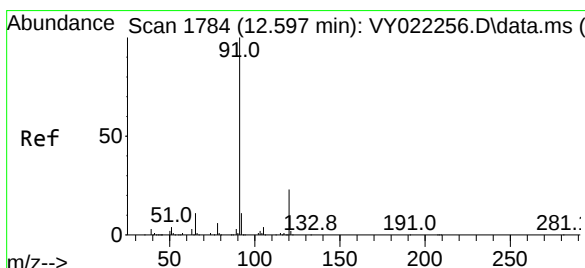
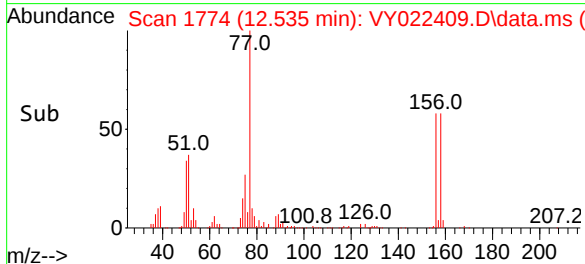
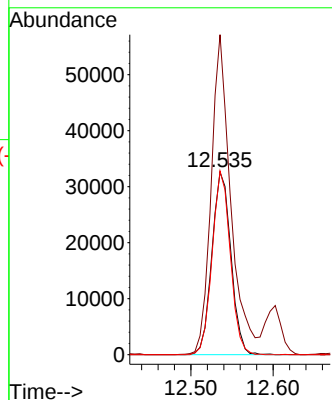
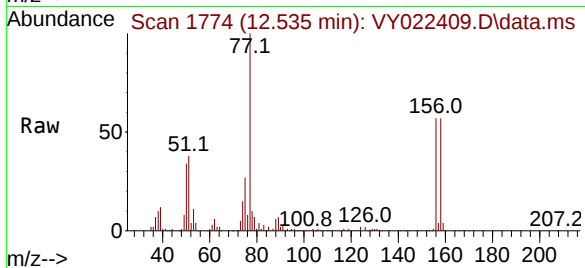
Tgt Ion:156 Resp: 52367

Ion Ratio Lower Upper

156 100

77 179.6 94.5 283.6

158 96.3 48.4 145.3



#78

n-propylbenzene

Concen: 20.885 ug/l

RT: 12.602 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VY022409.D

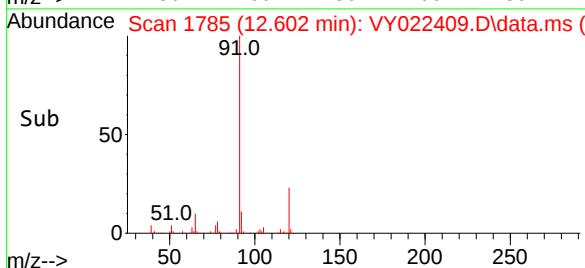
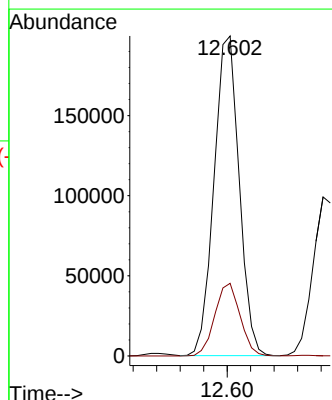
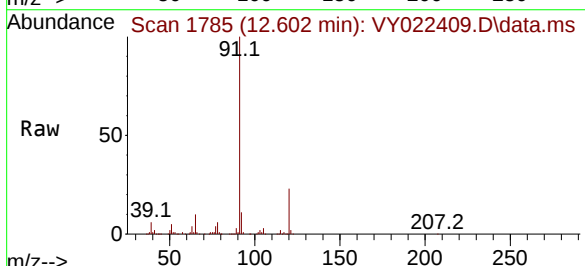
Acq: 23 May 2025 16:28

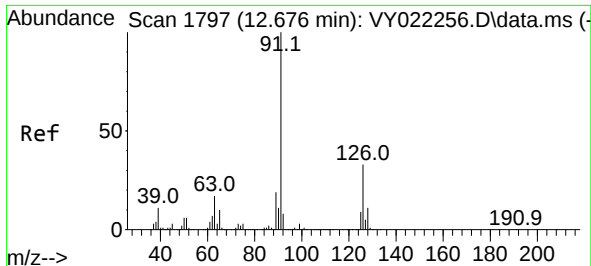
Tgt Ion: 91 Resp: 296181

Ion Ratio Lower Upper

91 100

120 22.9 11.1 33.3





#79

2-Chlorotoluene

Concen: 19.979 ug/l

RT: 12.682 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

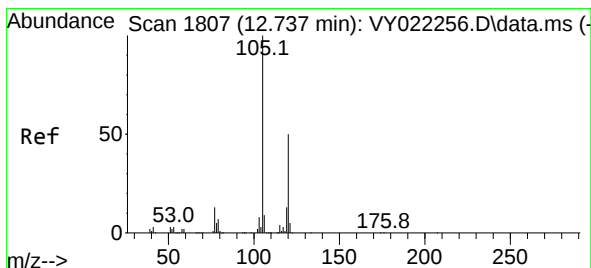
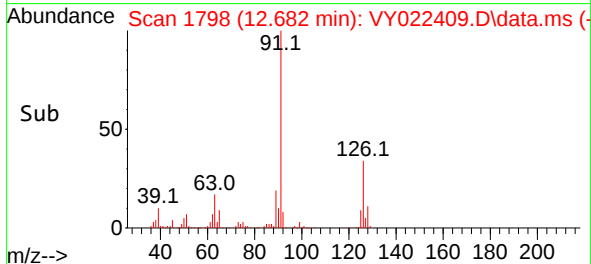
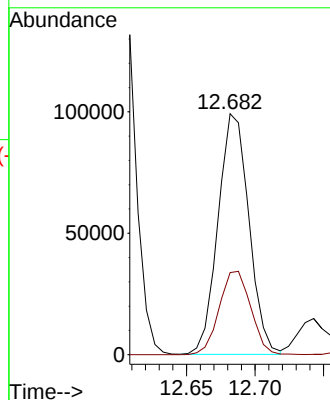
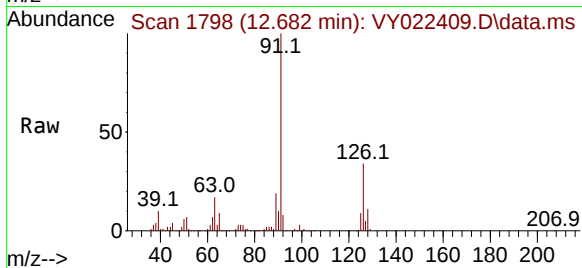
VY0523SBS01

Tgt Ion: 91 Resp: 155703

Ion Ratio Lower Upper

91 100

126 35.3 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 20.182 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022409.D

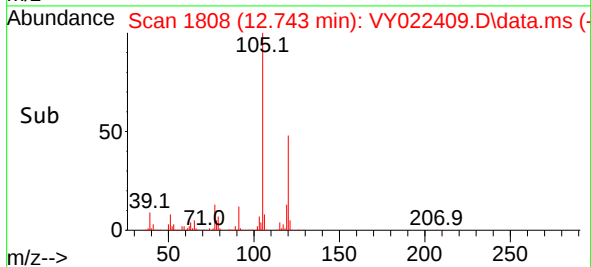
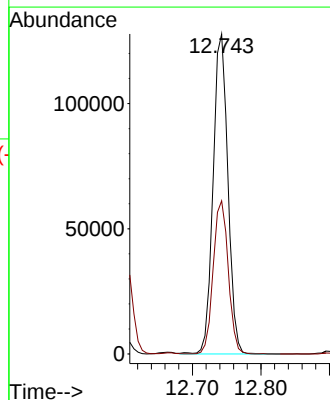
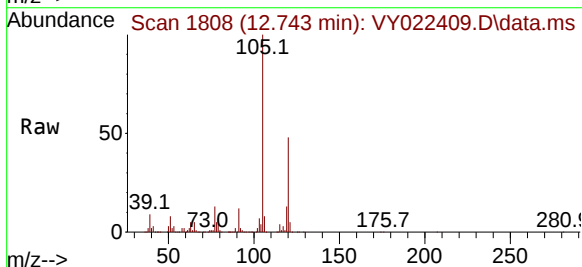
Acq: 23 May 2025 16:28

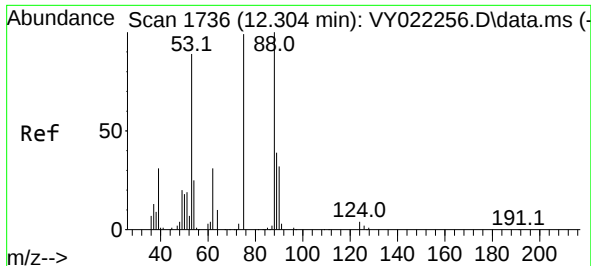
Tgt Ion:105 Resp: 191546

Ion Ratio Lower Upper

105 100

120 48.7 24.2 72.6

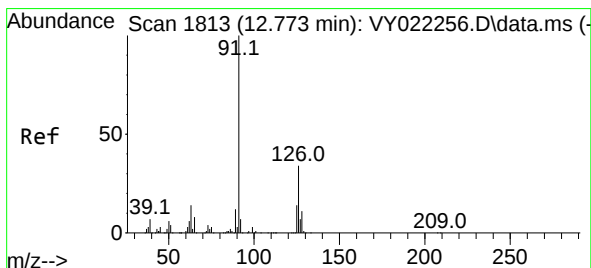
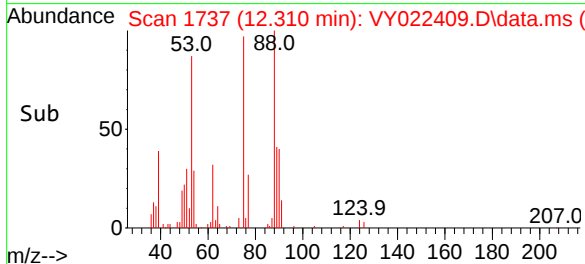
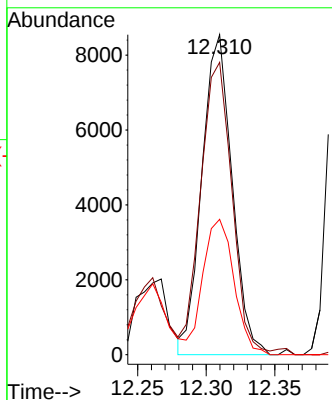
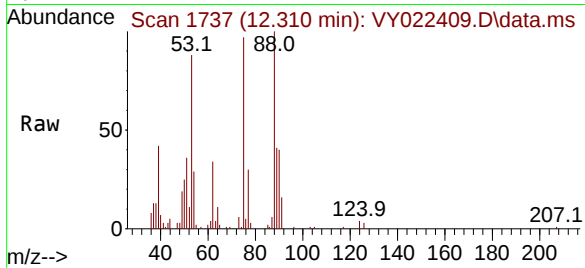




#81
trans-1,4-Dichloro-2-butene
Concen: 18.400 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

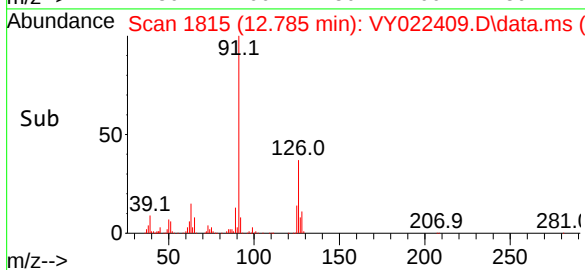
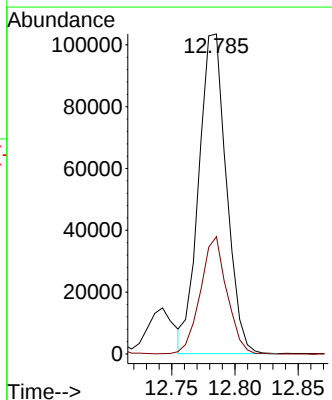
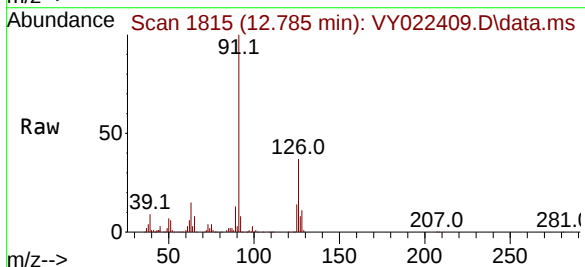
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

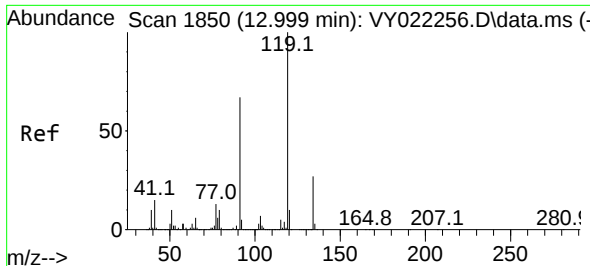
Tgt Ion: 75 Resp: 13059
Ion Ratio Lower Upper
75 100
53 95.8 75.8 113.8
89 43.4 36.2 54.2



#82
4-Chlorotoluene
Concen: 19.626 ug/l
RT: 12.785 min Scan# 1815
Delta R.T. 0.012 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 91 Resp: 157322
Ion Ratio Lower Upper
91 100
126 35.2 16.8 50.4

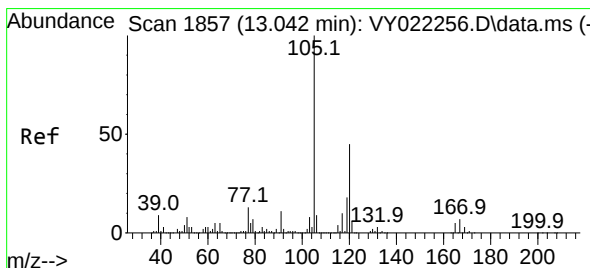
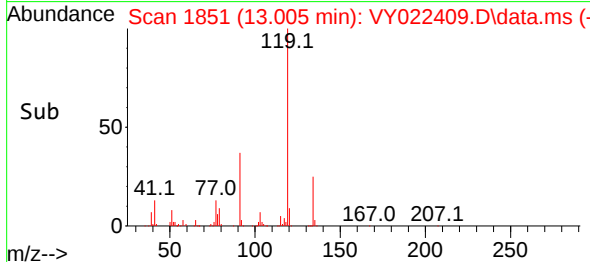
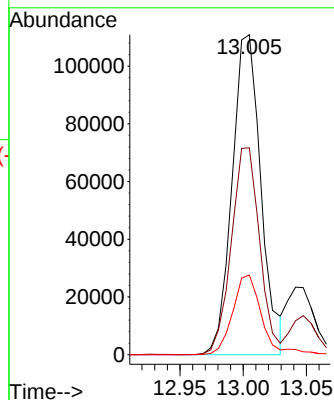
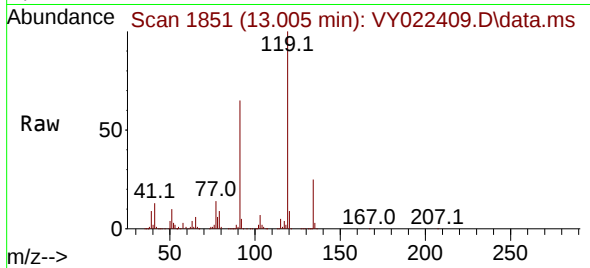




#83
tert-Butylbenzene
Concen: 20.841 ug/l
RT: 13.005 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

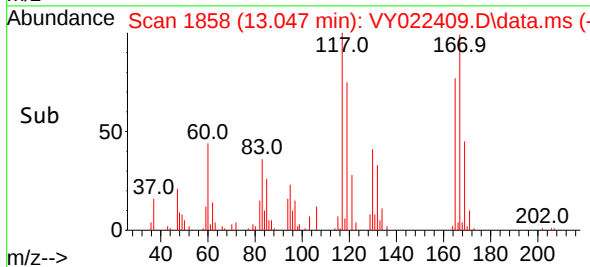
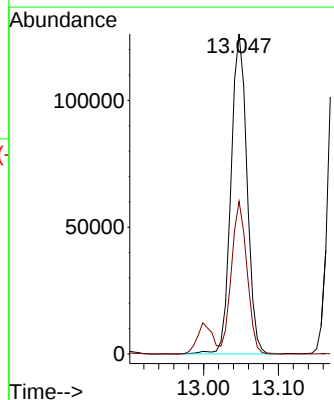
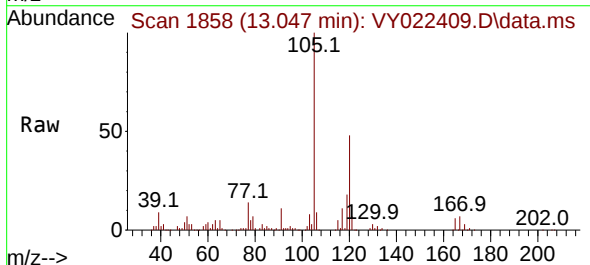
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

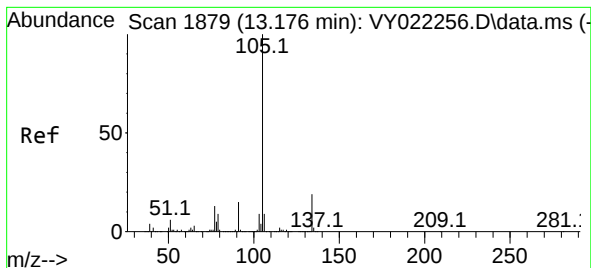
Tgt Ion:119 Resp: 175804
Ion Ratio Lower Upper
119 100
91 63.8 32.8 98.3
134 25.2 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion:105 Resp: 188374
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.275 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

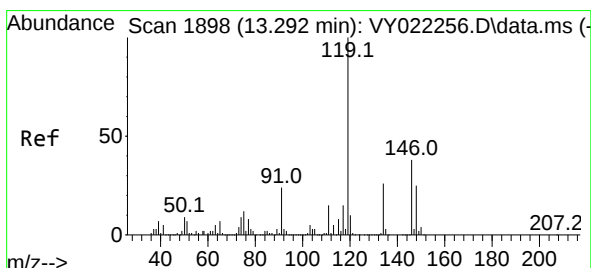
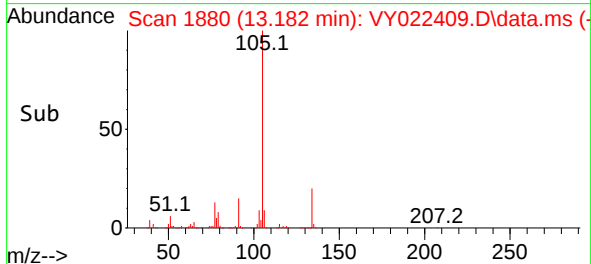
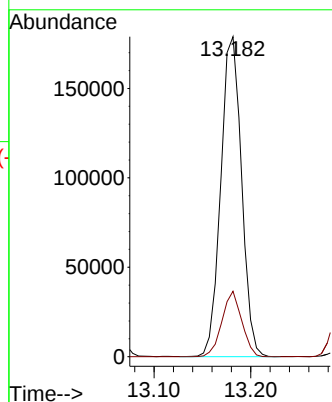
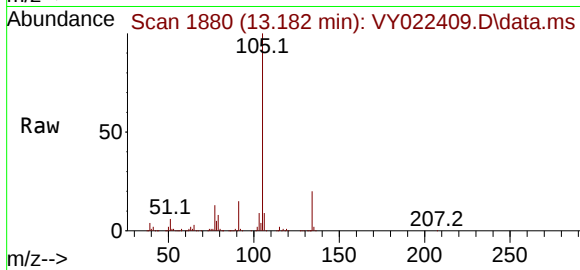
VY0523SBS01

Tgt Ion:105 Resp: 266407

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 20.291 ug/l

RT: 13.297 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

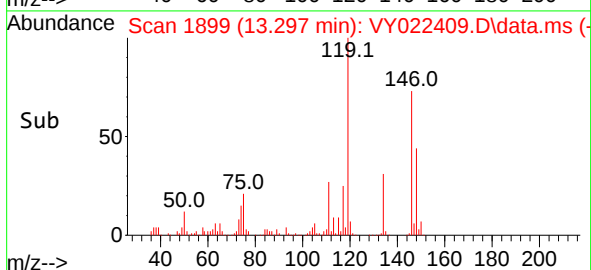
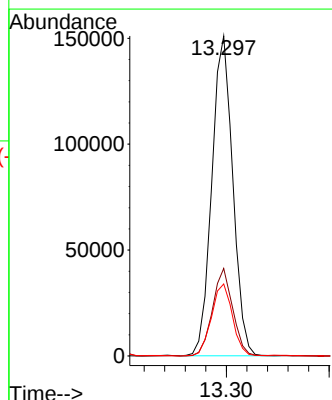
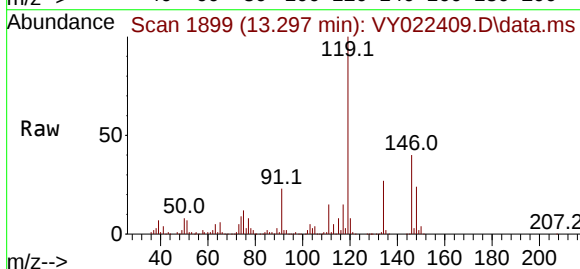
Tgt Ion:119 Resp: 213699

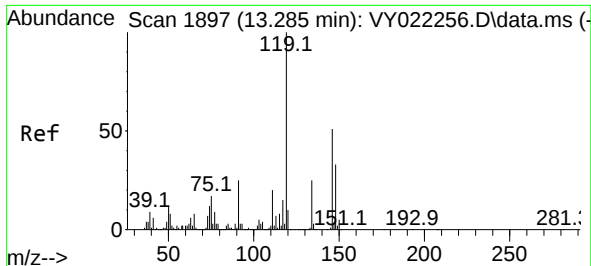
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 22.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.186 ug/l

RT: 13.291 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

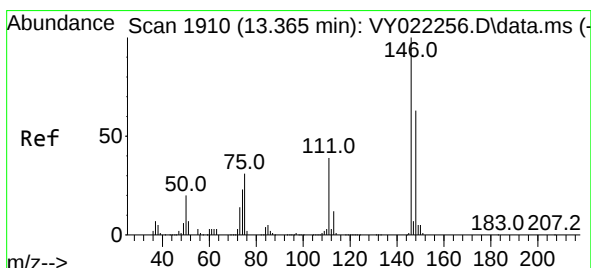
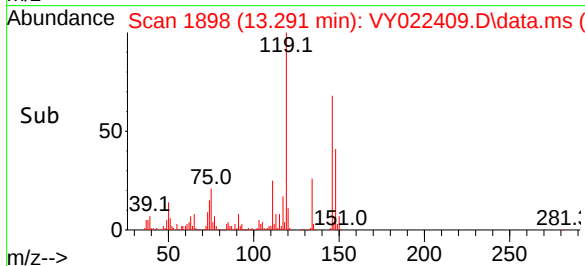
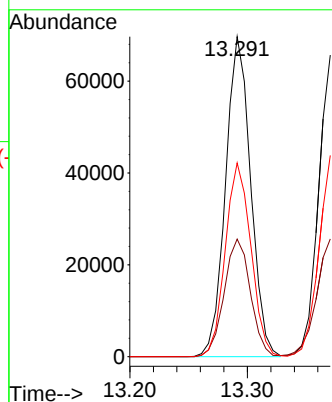
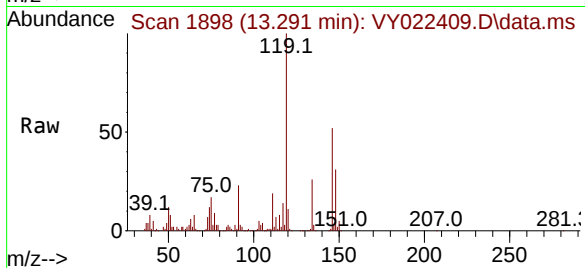
Tgt Ion:146 Resp: 103478

Ion Ratio Lower Upper

146 100

111 38.4 19.9 59.7

148 61.8 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 20.483 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

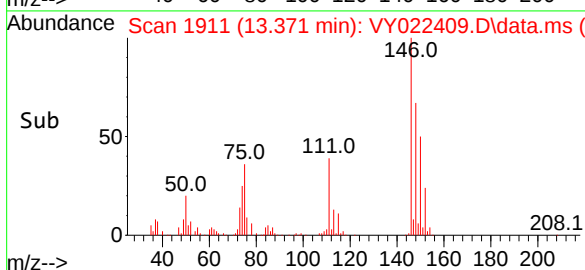
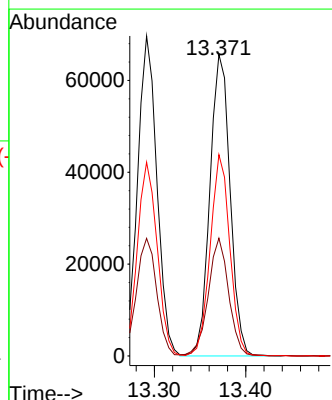
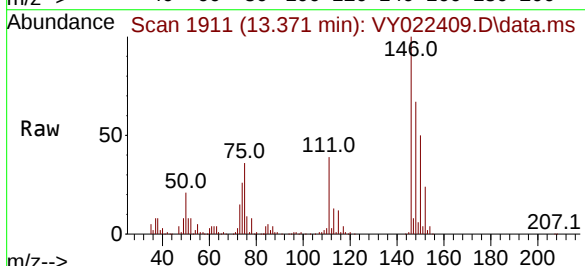
Tgt Ion:146 Resp: 100997

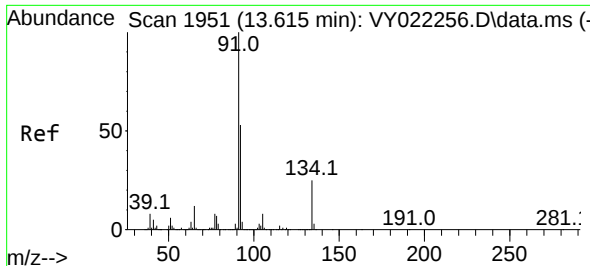
Ion Ratio Lower Upper

146 100

111 39.6 20.0 59.9

148 64.9 32.1 96.5

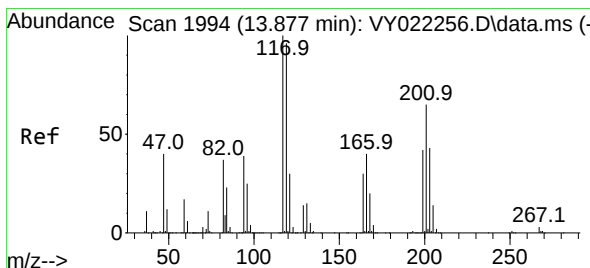
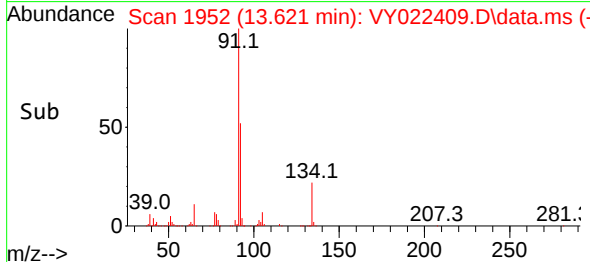
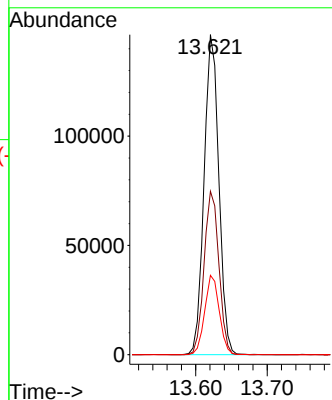
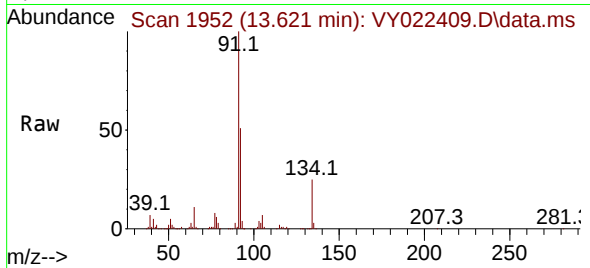




#89
n-Butylbenzene
Concen: 21.095 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

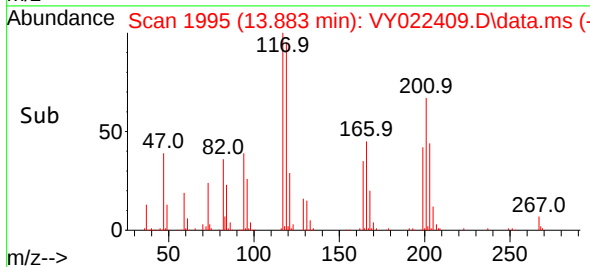
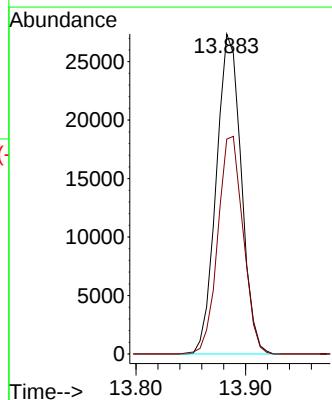
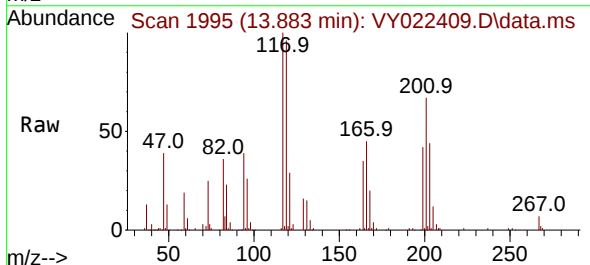
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

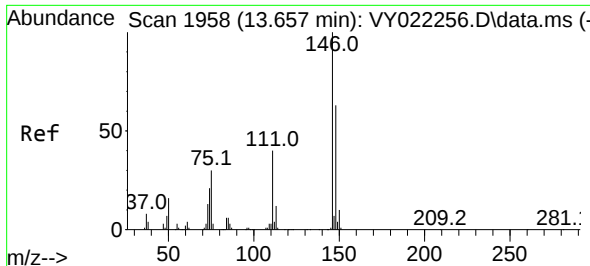
Tgt Ion: 91 Resp: 210175
Ion Ratio Lower Upper
91 100
92 51.1 26.3 78.9
134 24.6 12.4 37.4



#90
Hexachloroethane
Concen: 20.378 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 117 Resp: 43322
Ion Ratio Lower Upper
117 100
201 68.9 35.2 105.6

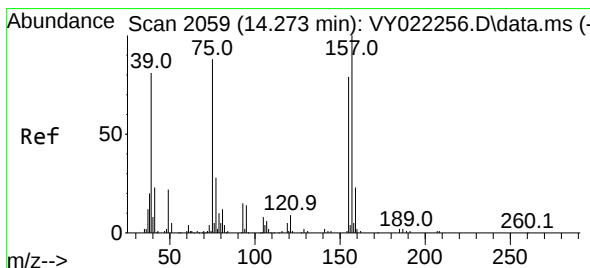
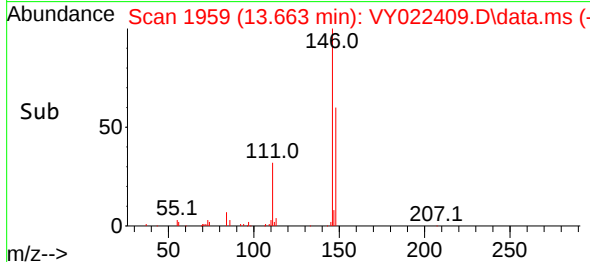
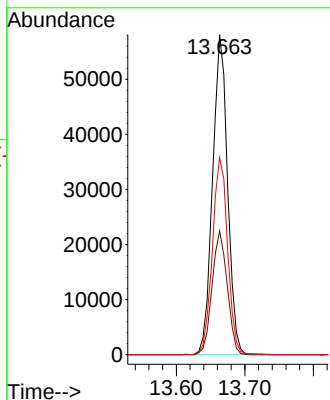
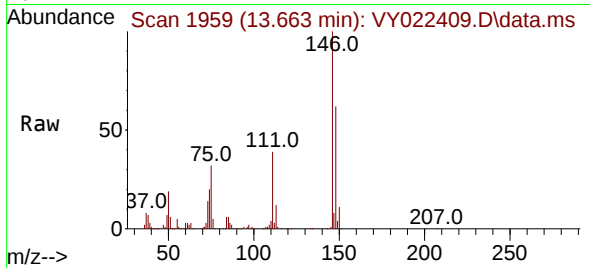




#91
1,2-Dichlorobenzene
Concen: 20.520 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

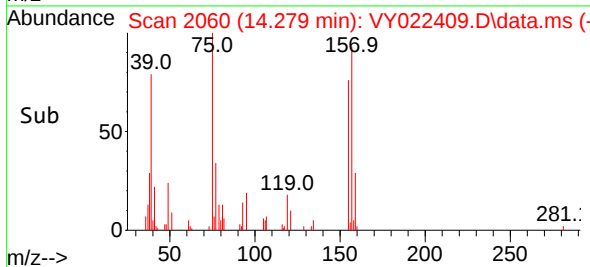
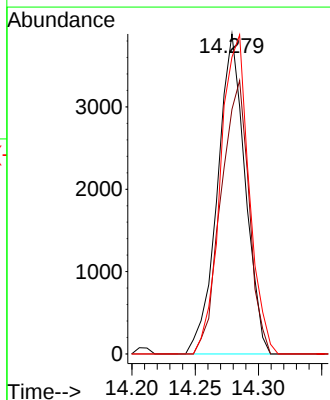
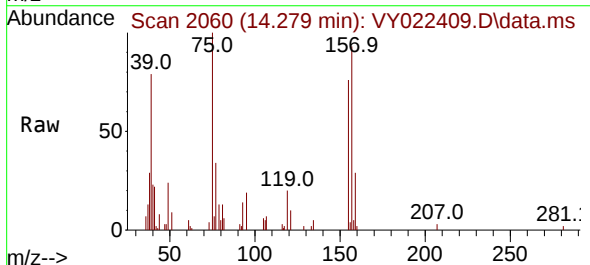
Instrument :
MSVOA_Y
ClientSampleId :
VY0523SBS01

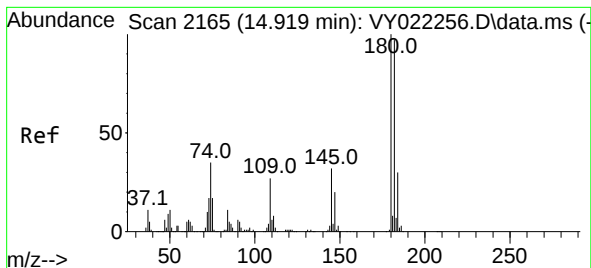
Tgt Ion:146 Resp: 88356
Ion Ratio Lower Upper
146 100
111 39.0 20.5 61.5
148 62.4 32.0 96.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.294 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022409.D
Acq: 23 May 2025 16:28

Tgt Ion: 75 Resp: 5917
Ion Ratio Lower Upper
75 100
155 86.2 43.4 130.1
157 102.6 54.6 163.9





#93

1,2,4-Trichlorobenzene

Concen: 19.290 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

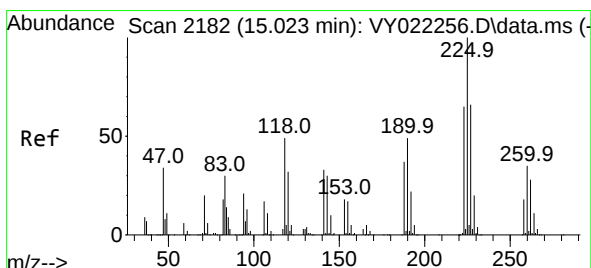
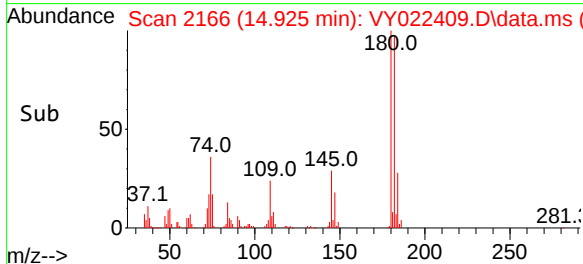
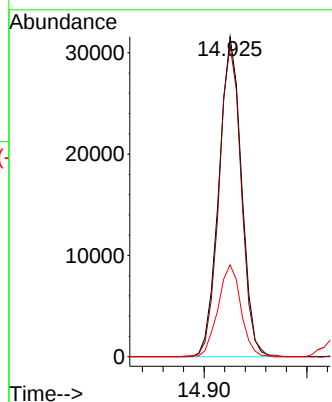
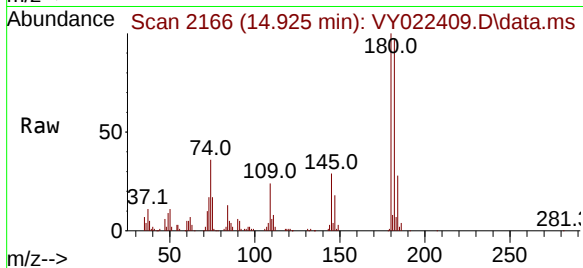
Tgt Ion:180 Resp: 47978

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.0

145 29.1 15.0 45.1



#94

Hexachlorobutadiene

Concen: 18.673 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

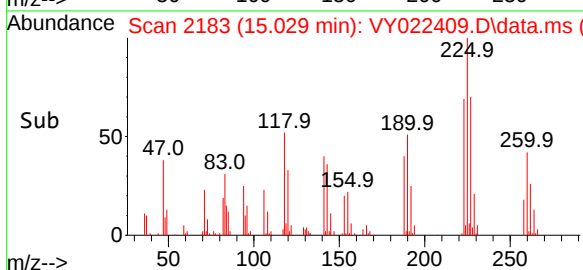
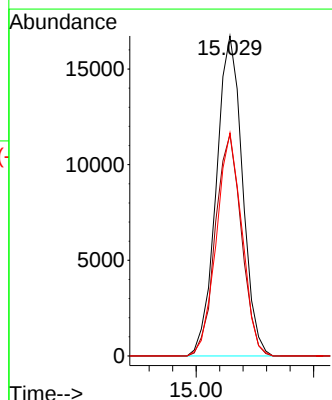
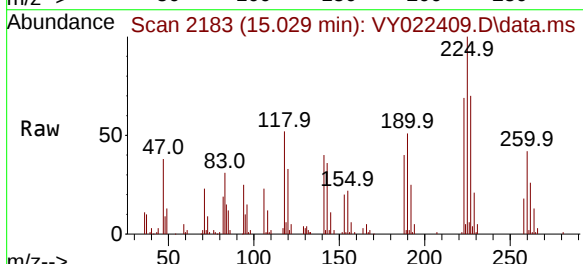
Tgt Ion:225 Resp: 25900

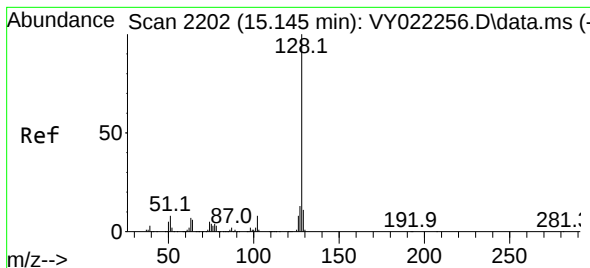
Ion Ratio Lower Upper

225 100

223 68.9 31.5 94.5

227 68.0 32.1 96.3





#95

Naphthalene

Concen: 18.405 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0523SBS01

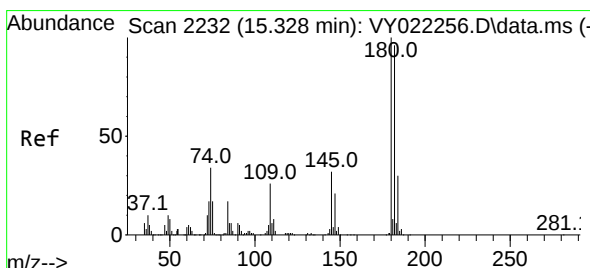
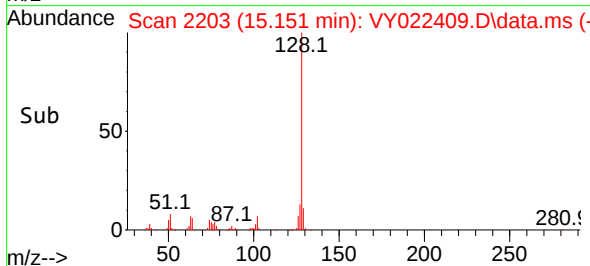
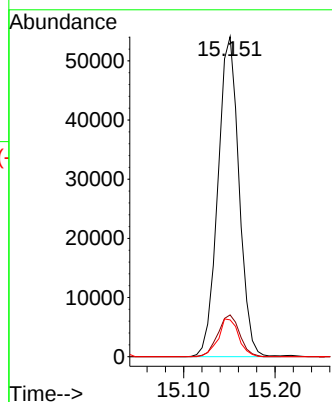
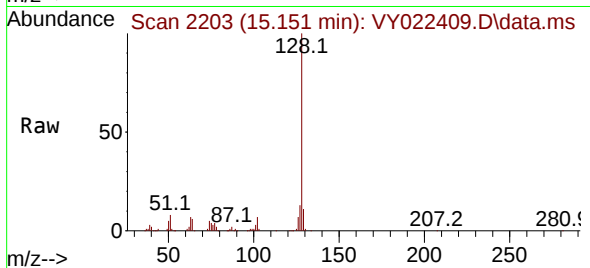
Tgt Ion:128 Resp: 86870

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 11.4 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 18.993 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY022409.D

Acq: 23 May 2025 16:28

Tgt Ion:180 Resp: 40075

Ion Ratio Lower Upper

180 100

182 96.5 47.1 141.3

145 32.3 15.9 47.6

