

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023829.D
 Acq On : 01 Dec 2025 07:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	565841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	855261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	736930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	375940	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	292717	53.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.240%	
35) Dibromofluoromethane	7.640	113	284370	56.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.260%	
50) Toluene-d8	10.109	98	1122581	55.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.560%	
62) 4-Bromofluorobenzene	12.408	95	373417	56.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.780%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.873	85	199116	46.693	ug/l 98
3) Chloromethane	2.074	50	267751	41.042	ug/l 100
4) Vinyl Chloride	2.214	62	322576	45.709	ug/l 100
5) Bromomethane	2.604	94	203955	40.968	ug/l 99
6) Chloroethane	2.745	64	214827	46.709	ug/l 100
7) Trichlorofluoromethane	3.068	101	479832	50.290	ug/l 98
8) Diethyl Ether	3.464	74	153314	51.018	ug/l 97
9) 1,1,2-Trichlorotrifluo...	3.824	101	297527	53.429	ug/l 99
10) Methyl Iodide	4.013	142	325078	53.273	ug/l 99
11) Tert butyl alcohol	4.878	59	99828	220.581	ug/l # 87
12) 1,1-Dichloroethene	3.799	96	277660	50.683	ug/l 94
13) Acrolein	3.659	56	85436	131.320	ug/l 98
14) Allyl chloride	4.397	41	447397	51.550	ug/l 100
15) Acrylonitrile	5.067	53	363057	279.919	ug/l 99
16) Acetone	3.879	43	447588	281.920	ug/l 98
17) Carbon Disulfide	4.116	76	758506	42.901	ug/l 98
18) Methyl Acetate	4.397	43	172059	56.118	ug/l 99
19) Methyl tert-butyl Ether	5.122	73	752709	53.764	ug/l 97
20) Methylene Chloride	4.628	84	300248	44.733	ug/l 96
21) trans-1,2-Dichloroethene	5.122	96	304799	50.250	ug/l 97
22) Diisopropyl ether	6.025	45	1016024	54.141	ug/l 100
23) Vinyl Acetate	5.970	43	2875222	275.519	ug/l 100
24) 1,1-Dichloroethane	5.921	63	570383	51.666	ug/l 97
25) 2-Butanone	6.902	43	530431	273.766	ug/l 98
26) 2,2-Dichloropropane	6.890	77	501519	51.251	ug/l 100
27) cis-1,2-Dichloroethene	6.896	96	361391	51.306	ug/l 99
28) Bromochloromethane	7.250	49	220152	47.941	ug/l 99
29) Tetrahydrofuran	7.268	42	302501	279.924	ug/l 99
30) Chloroform	7.427	83	576817	51.961	ug/l 100
31) Cyclohexane	7.707	56	518325	48.926	ug/l 98
32) 1,1,1-Trichloroethane	7.622	97	518459	52.616	ug/l 99
36) 1,1-Dichloropropene	7.841	75	423829	54.560	ug/l 99
37) Ethyl Acetate	6.994	43	213042	58.305	ug/l 99
38) Carbon Tetrachloride	7.823	117	468287	54.920	ug/l 99
39) Methylcyclohexane	9.115	83	554459	54.044	ug/l 99
40) Benzene	8.085	78	1278955	53.501	ug/l 100

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	118961	65.213	ug/l	90
42) 1,2-Dichloroethane	8.164	62	338640	54.948	ug/l	99
43) Isopropyl Acetate	8.201	43	378976	55.501	ug/l	100
44) Trichloroethene	8.872	130	335169	54.645	ug/l	98
45) 1,2-Dichloropropane	9.146	63	310559	55.100	ug/l	98
46) Dibromomethane	9.237	93	167018	54.610	ug/l	98
47) Bromodichloromethane	9.426	83	441190	55.198	ug/l	96
48) Methyl methacrylate	9.225	41	186940	58.148	ug/l	99
49) 1,4-Dioxane	9.237	88	40480	1180.999	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	1079247	300.240	ug/l	100
52) Toluene	10.176	92	818319	55.219	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	405436	55.375	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	479494	54.711	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	235303	57.435	ug/l	96
56) Ethyl methacrylate	10.444	69	313367	58.253	ug/l	100
57) 1,3-Dichloropropane	10.719	76	401661	56.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	640398	247.809	ug/l	100
59) 2-Hexanone	10.761	43	801922	301.685	ug/l	100
60) Dibromochloromethane	10.914	129	308523	56.119	ug/l	99
61) 1,2-Dibromoethane	11.018	107	213209	56.066	ug/l	98
64) Tetrachloroethene	10.652	164	392087	56.086	ug/l	97
65) Chlorobenzene	11.444	112	888796	54.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	308580	56.153	ug/l	100
67) Ethyl Benzene	11.524	91	1577940	57.109	ug/l	99
68) m/p-Xylenes	11.633	106	1201612	112.859	ug/l	100
69) o-Xylene	11.956	106	561357	56.239	ug/l	99
70) Styrene	11.975	104	939742	57.152	ug/l	100
71) Bromoform	12.133	173	181561	56.641	ug/l #	99
73) Isopropylbenzene	12.255	105	1527097	57.235	ug/l	99
74) N-amyl acetate	12.072	43	335419	56.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	249514	56.801	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	356417	109.021	ug/l #	100
77) Bromobenzene	12.536	156	347128	55.313	ug/l	100
78) n-propylbenzene	12.597	91	1837804	57.211	ug/l	100
79) 2-Chlorotoluene	12.682	91	1025232	55.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1238236	56.849	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	88424	57.170	ug/l	98
82) 4-Chlorotoluene	12.779	91	1047263	55.156	ug/l	99
83) tert-Butylbenzene	12.999	119	1116803	57.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	1226704	56.354	ug/l	100
85) sec-Butylbenzene	13.176	105	1672023	57.888	ug/l	99
86) p-Isopropyltoluene	13.292	119	1385976	57.408	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	689486	54.819	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	672165	53.540	ug/l	100
89) n-Butylbenzene	13.621	91	1282431	57.933	ug/l	100
90) Hexachloroethane	13.883	117	280638	55.326	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	603900	54.906	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	40358	54.888	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	358930	54.733	ug/l	99
94) Hexachlorobutadiene	15.023	225	220403	53.968	ug/l	99
95) Naphthalene	15.145	128	645182	58.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	310339	55.565	ug/l	98

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ClientSampleId :
VSTDCCC050

Quant Time: Dec 02 03:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

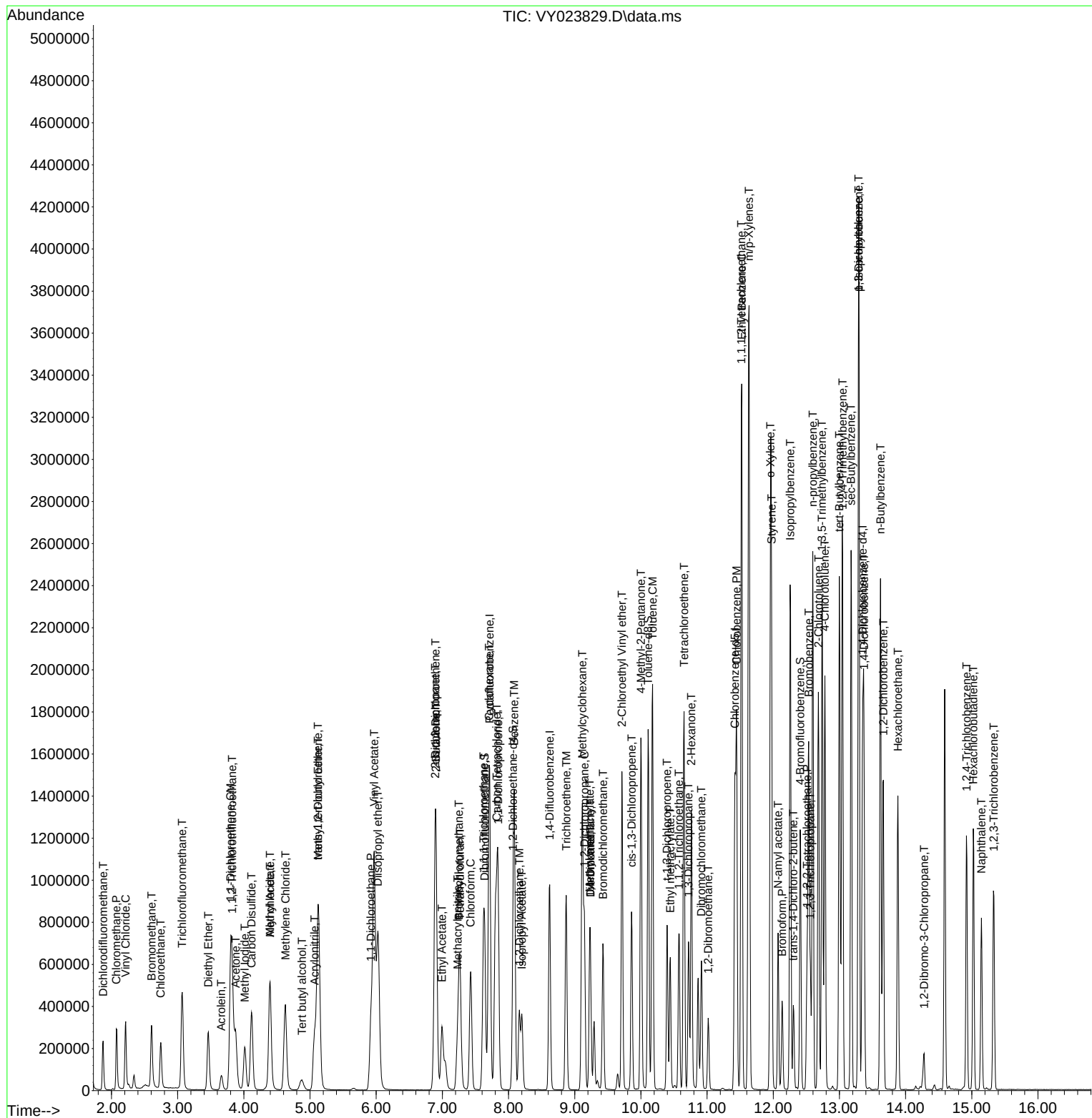
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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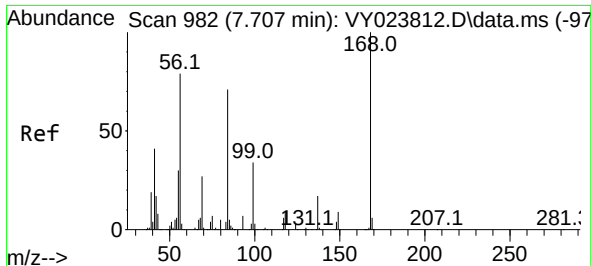
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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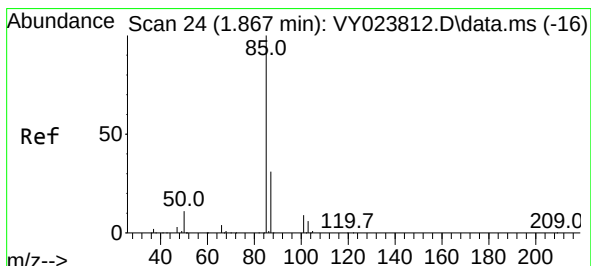
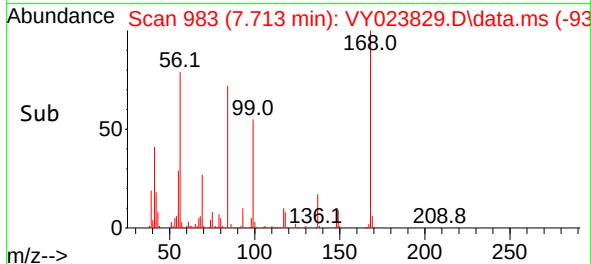
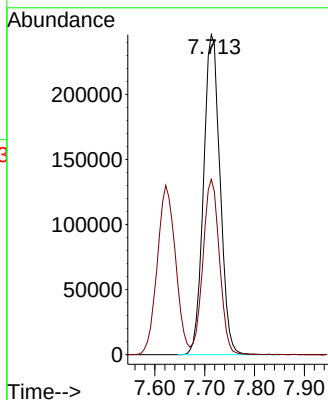
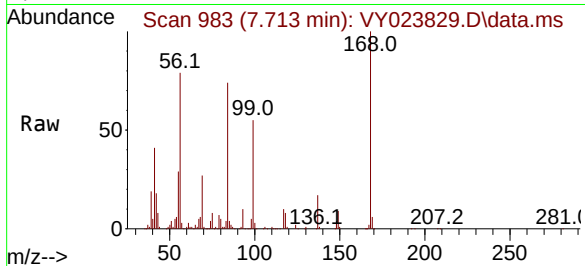




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023829.D
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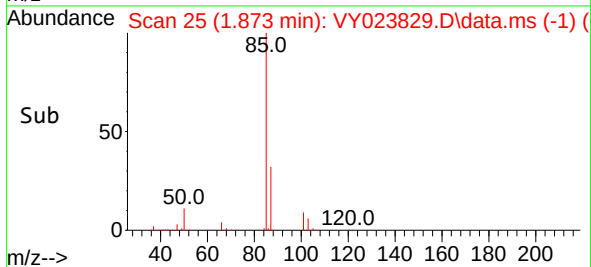
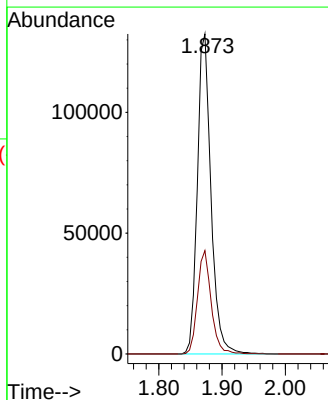
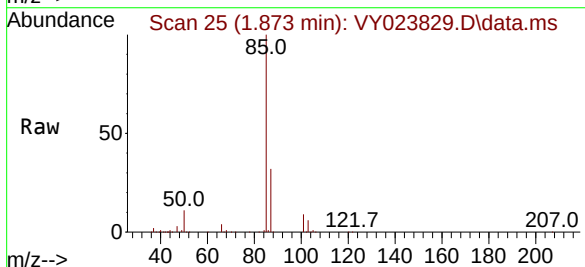
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

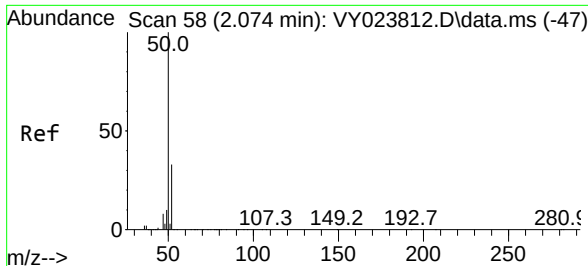
Tgt Ion:168 Resp: 565841
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 46.693 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 85 Resp: 199116
Ion Ratio Lower Upper
85 100
87 32.3 15.7 47.1

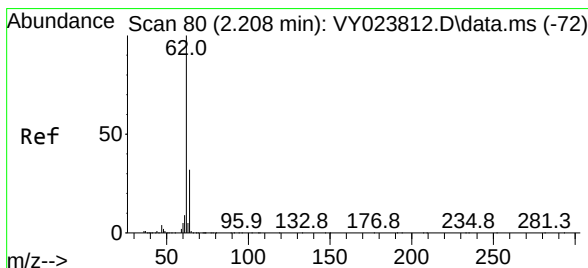
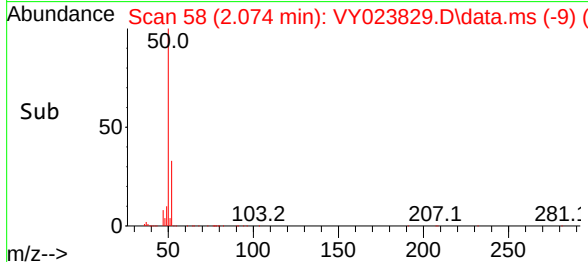
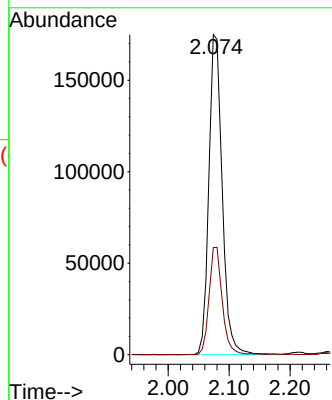
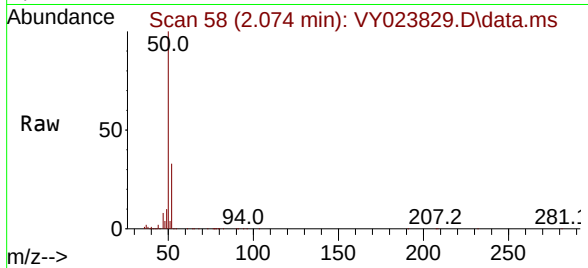




#3
Chloromethane
Concen: 41.042 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

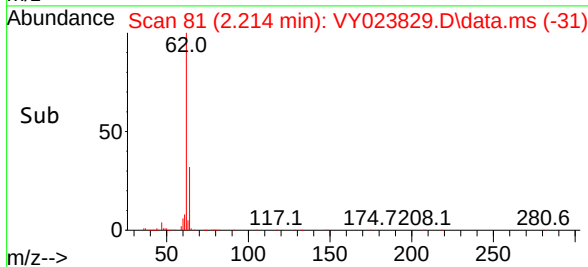
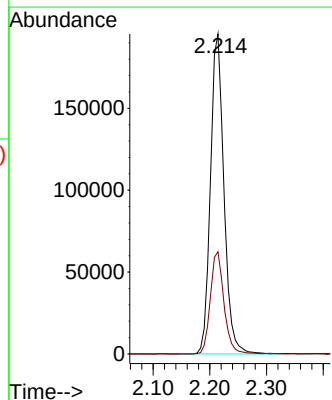
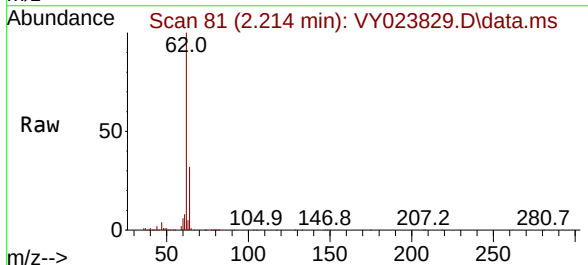
Instrument :
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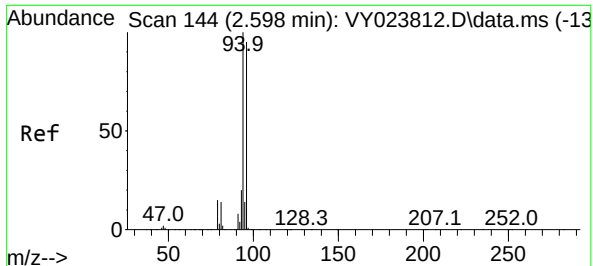
Tgt Ion: 50 Resp: 267751
Ion Ratio Lower Upper
50 100
52 33.4 26.6 39.8



#4
Vinyl Chloride
Concen: 45.709 ug/l
RT: 2.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 62 Resp: 322576
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0

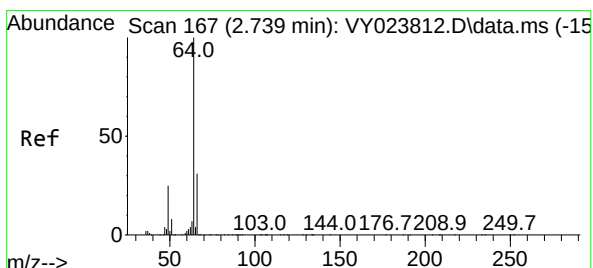
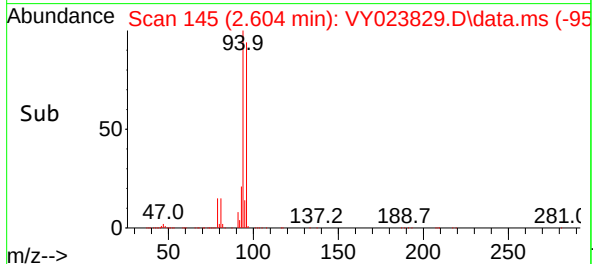
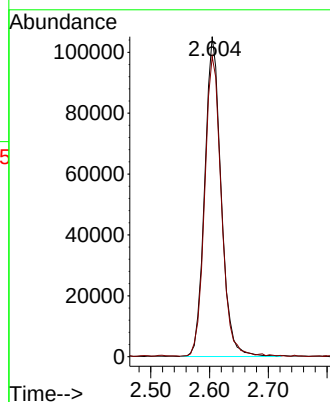
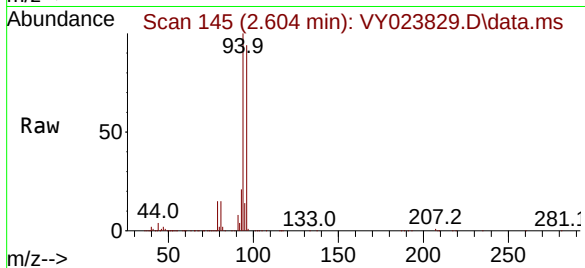




#5
Bromomethane
Concen: 40.968 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

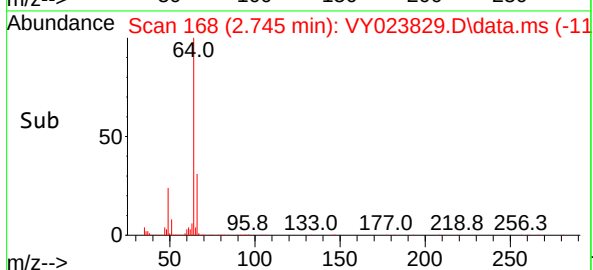
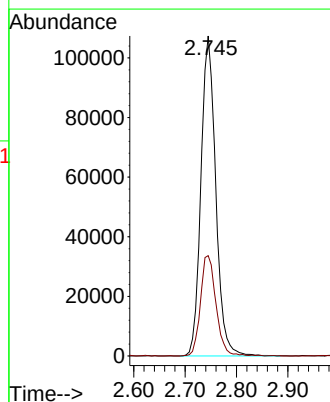
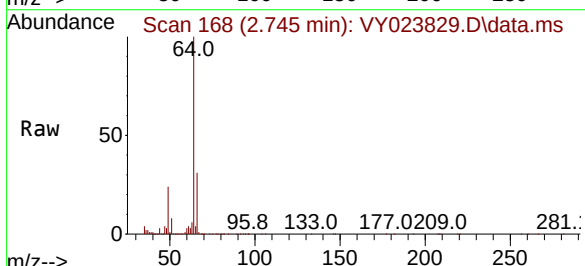
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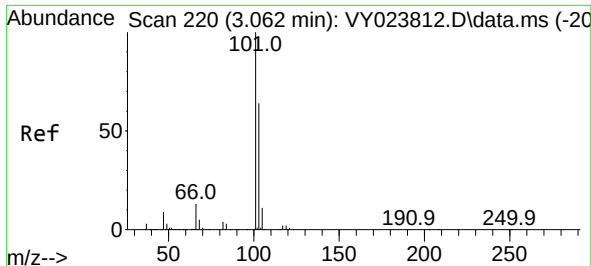
Tgt Ion: 94 Resp: 203955
Ion Ratio Lower Upper
94 100
96 93.7 76.1 114.1



#6
Chloroethane
Concen: 46.709 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 64 Resp: 214827
Ion Ratio Lower Upper
64 100
66 31.4 25.1 37.7

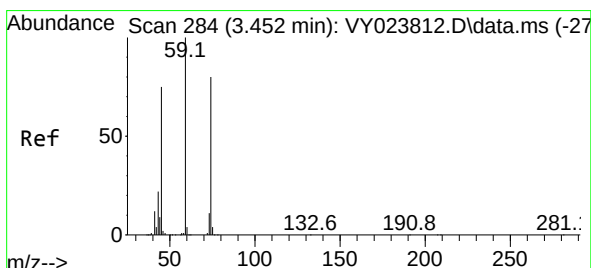
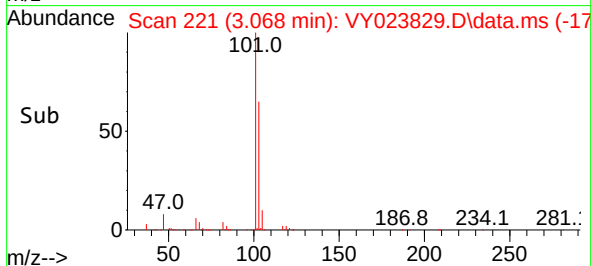
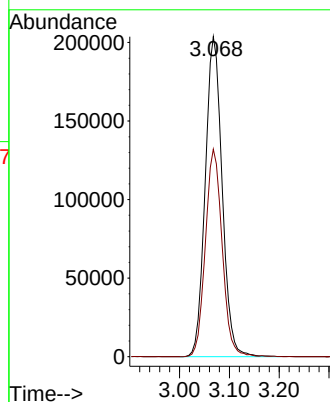
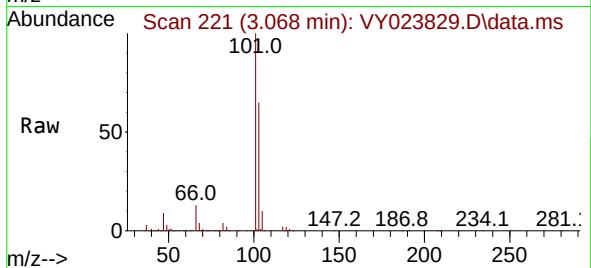




#7
 Trichlorofluoromethane
 Concen: 50.290 ug/l
 RT: 3.068 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

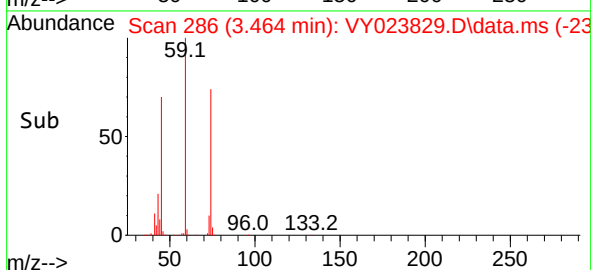
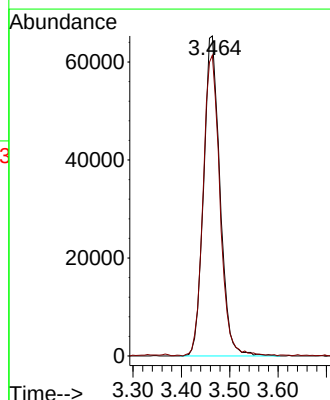
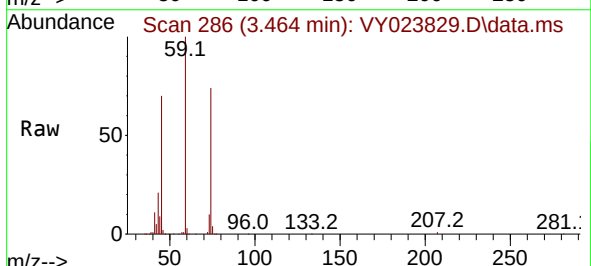
Instrument :
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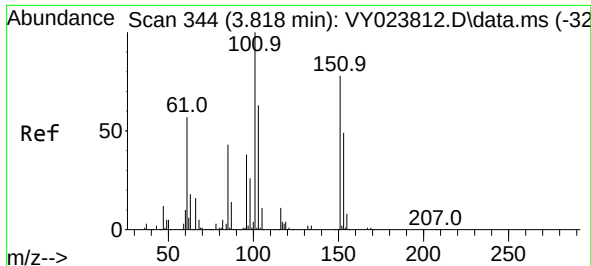
Tgt Ion:101 Resp: 479832
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.8 76.2



#8
 Diethyl Ether
 Concen: 51.018 ug/l
 RT: 3.464 min Scan# 286
 Delta R.T. 0.012 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

Tgt Ion: 74 Resp: 153314
 Ion Ratio Lower Upper
 74 100
 45 96.9 47.0 141.0

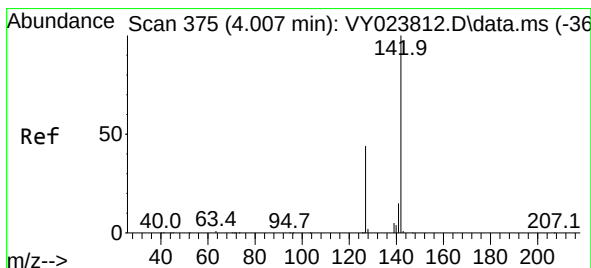
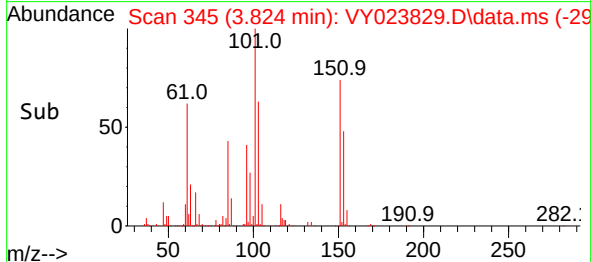
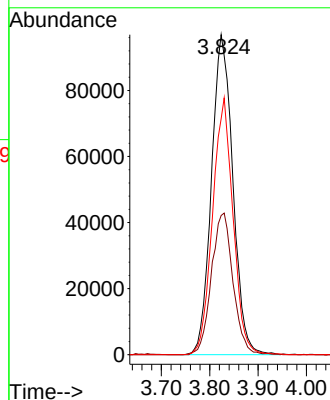
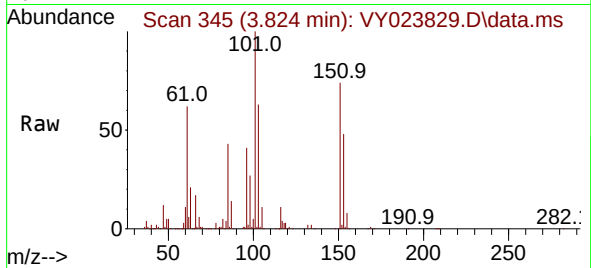




#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.429 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

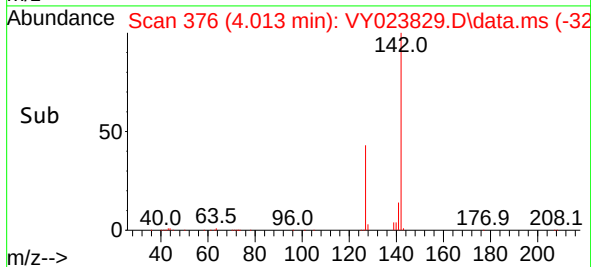
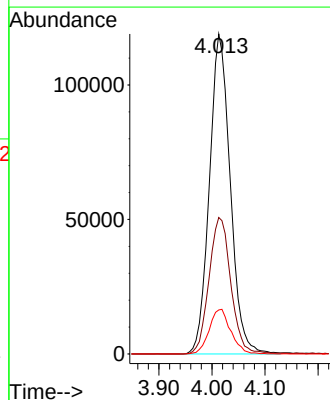
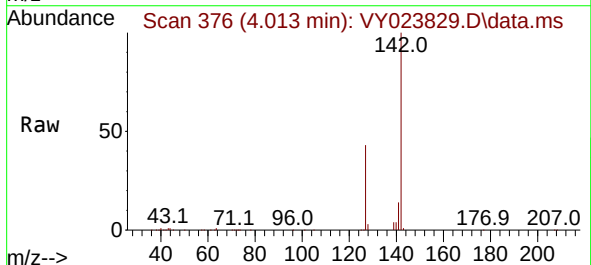
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

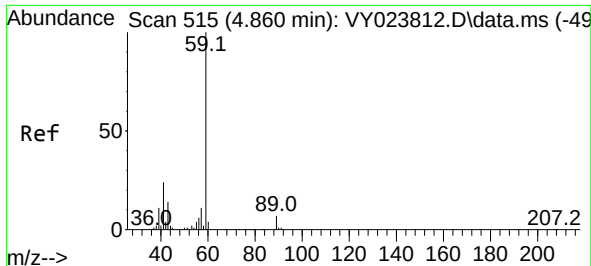
Tgt Ion:101 Resp: 297527
Ion Ratio Lower Upper
101 100
85 44.7 35.8 53.8
151 77.0 62.8 94.2



#10
Methyl Iodide
Concen: 53.273 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion:142 Resp: 325078
Ion Ratio Lower Upper
142 100
127 44.6 36.2 54.2
141 14.4 11.4 17.0

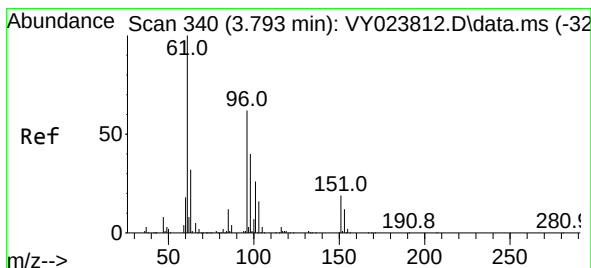
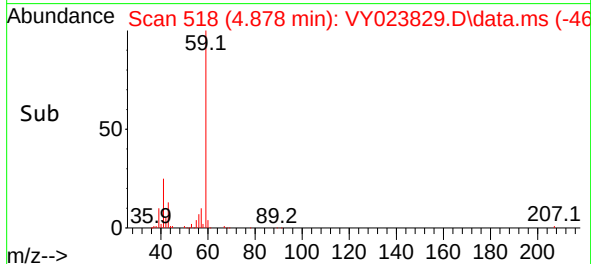
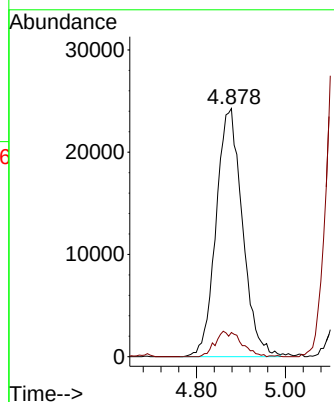
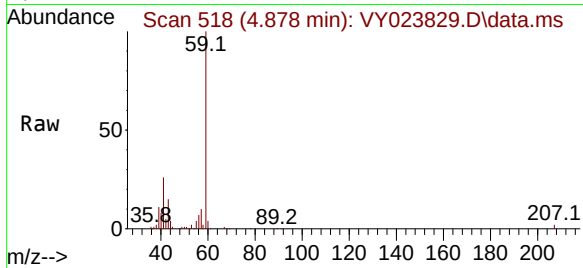




#11
Tert butyl alcohol
Concen: 220.581 ug/l
RT: 4.878 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

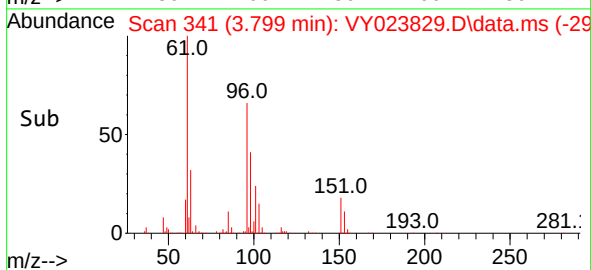
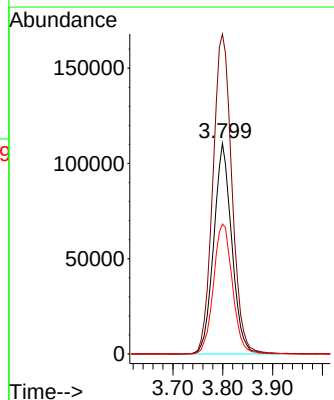
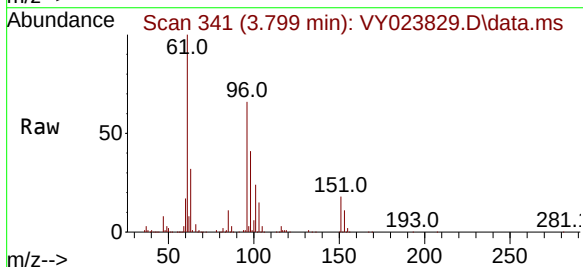
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

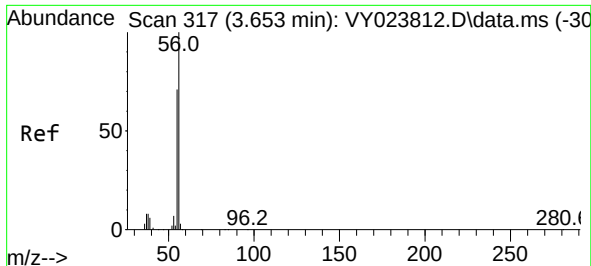
Tgt Ion: 59 Resp: 99828
Ion Ratio Lower Upper
59 100
57 5.3 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 50.683 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 96 Resp: 277660
Ion Ratio Lower Upper
96 100
61 151.9 128.9 193.3
98 61.7 51.8 77.6

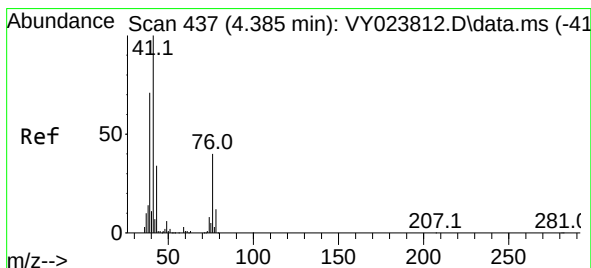
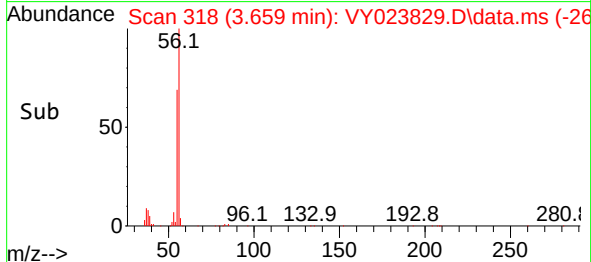
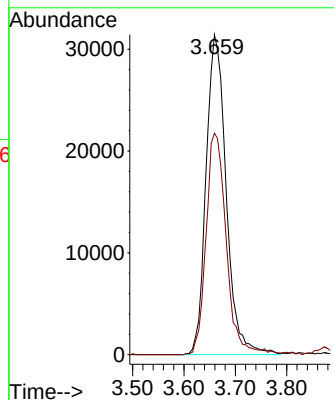
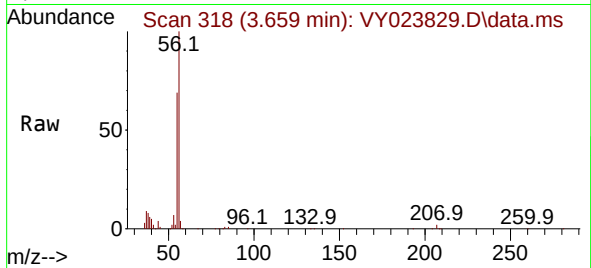




#13
Acrolein
Concen: 131.320 ug/l
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

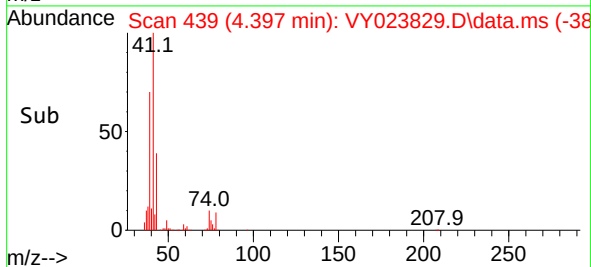
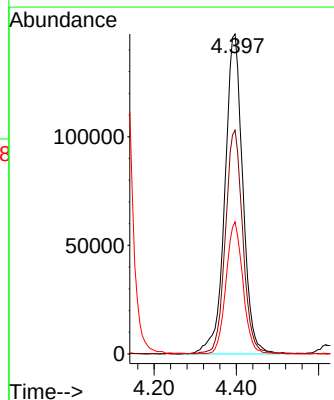
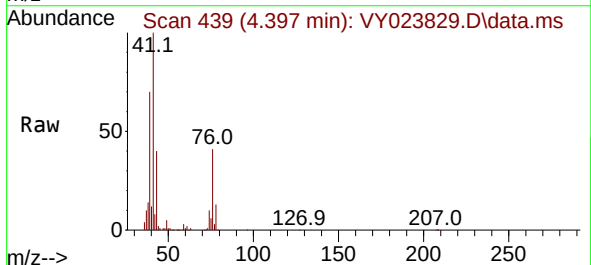
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

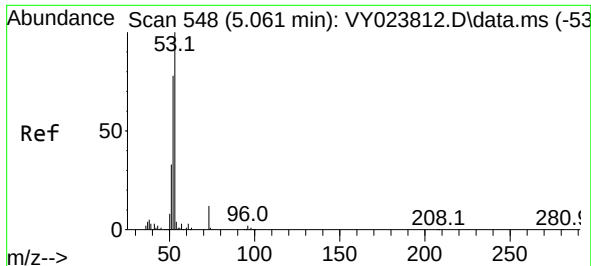
Tgt Ion: 56 Resp: 85436
Ion Ratio Lower Upper
56 100
55 69.5 57.1 85.7



#14
Allyl chloride
Concen: 51.550 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 41 Resp: 447397
Ion Ratio Lower Upper
41 100
39 67.9 54.1 81.1
76 39.0 31.0 46.6

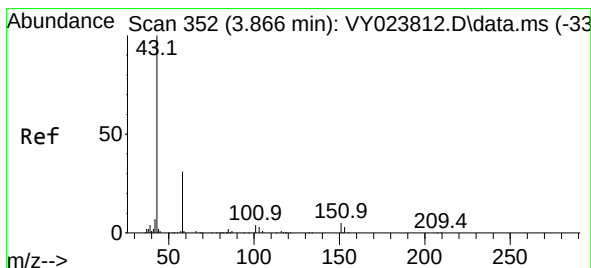
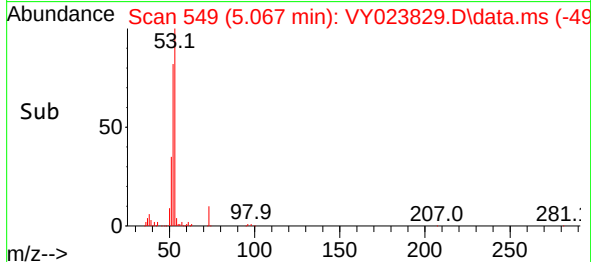
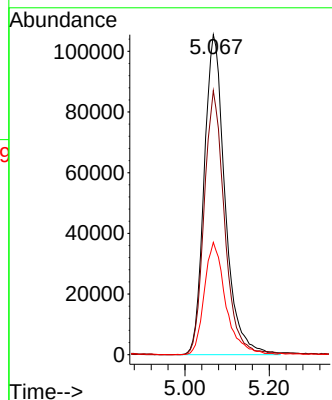
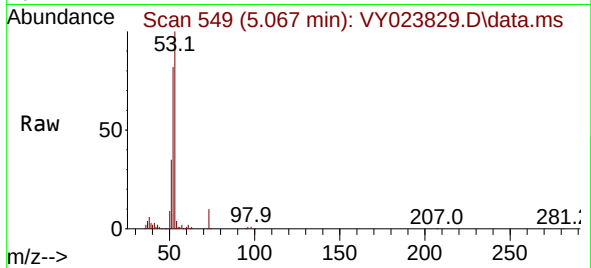




#15
Acrylonitrile
Concen: 279.919 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

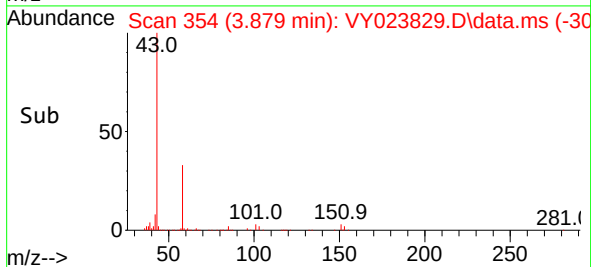
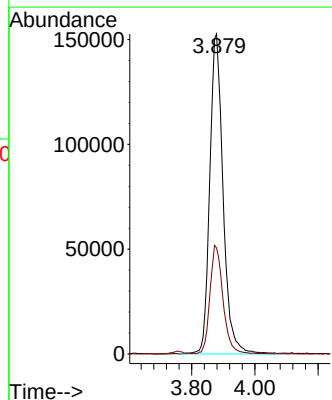
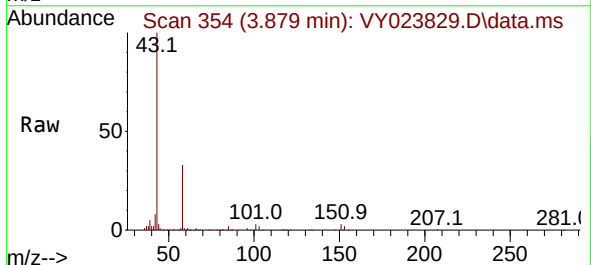
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

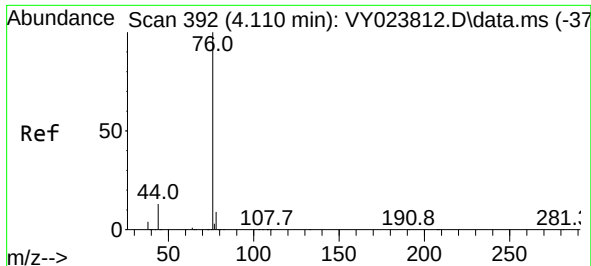
Tgt Ion: 53 Resp: 363057
Ion Ratio Lower Upper
53 100
52 80.6 64.0 96.0
51 36.1 28.7 43.1



#16
Acetone
Concen: 281.920 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 43 Resp: 447588
Ion Ratio Lower Upper
43 100
58 33.1 25.4 38.2

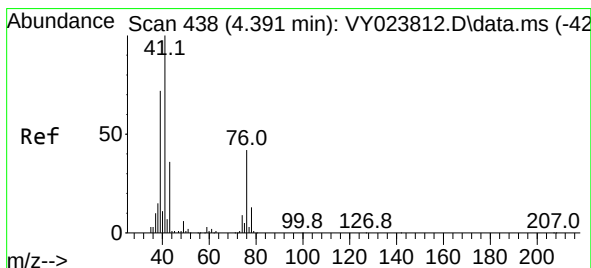
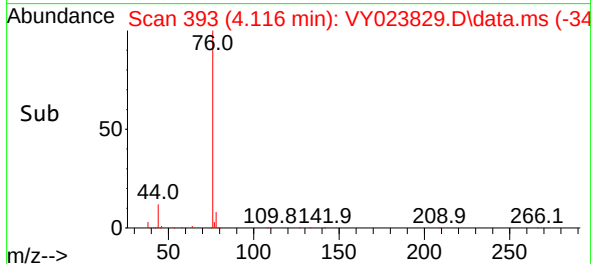
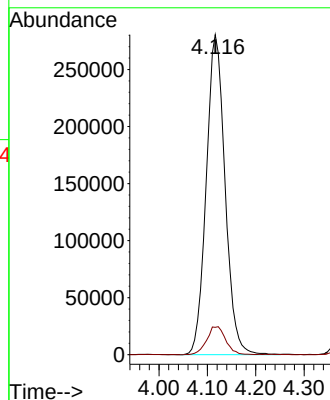
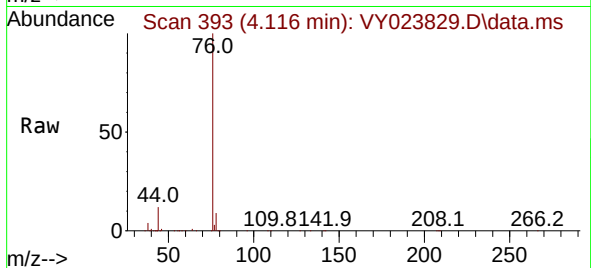




#17
Carbon Disulfide
Concen: 42.901 ug/l
RT: 4.116 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

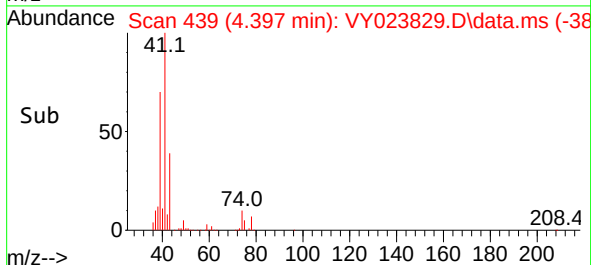
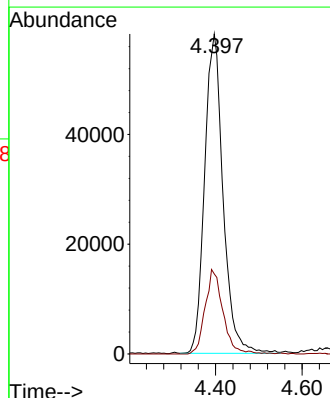
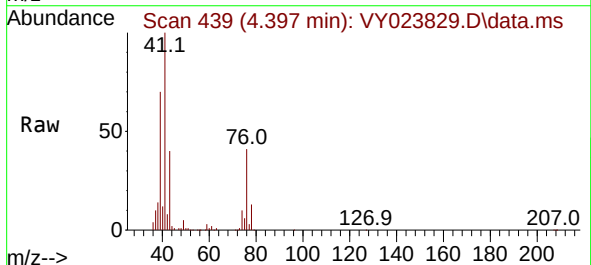
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

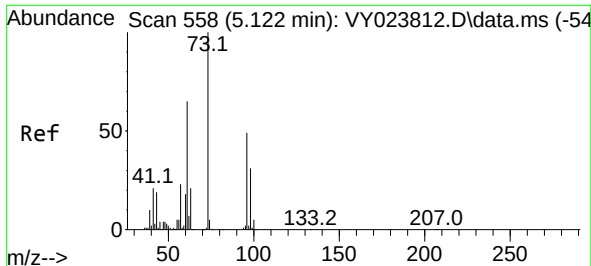
Tgt Ion: 76 Resp: 758506
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 56.118 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 43 Resp: 172059
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 53.764 ug/l

RT: 5.122 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

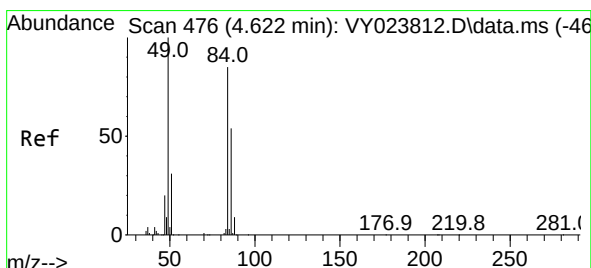
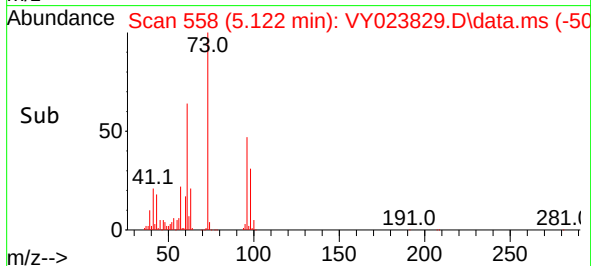
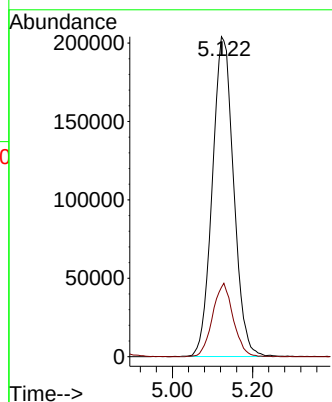
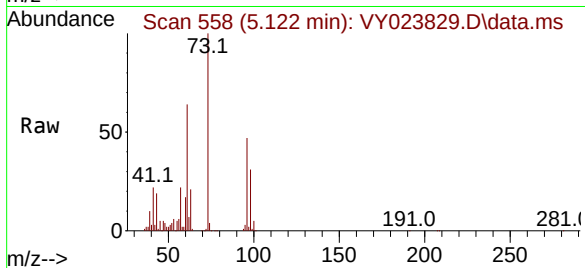
VSTDCCC050

Tgt Ion: 73 Resp: 752709

Ion Ratio Lower Upper

73 100

57 21.7 18.4 27.6



#20

Methylene Chloride

Concen: 44.733 ug/l

RT: 4.628 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Tgt Ion: 84 Resp: 300248

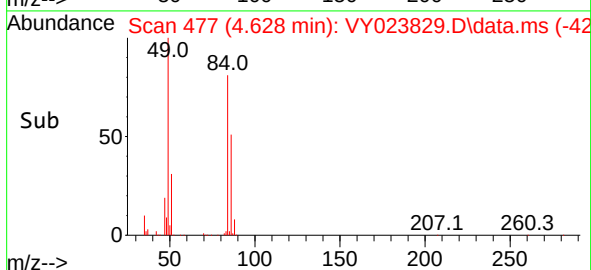
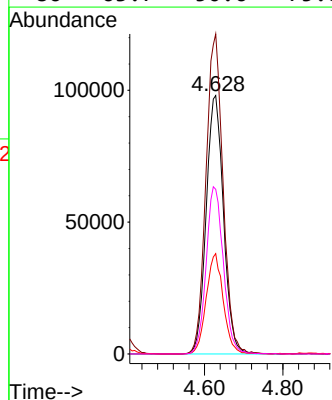
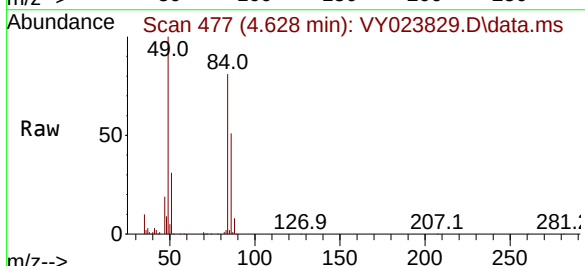
Ion Ratio Lower Upper

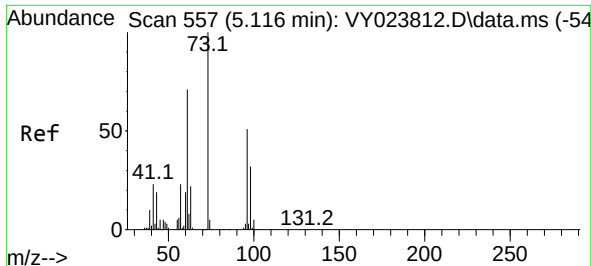
84 100

49 123.8 94.0 141.0

51 38.8 29.2 43.8

86 63.7 50.6 75.8

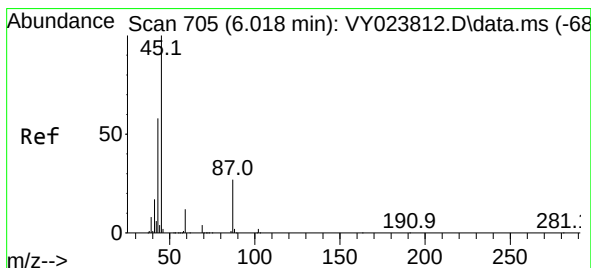
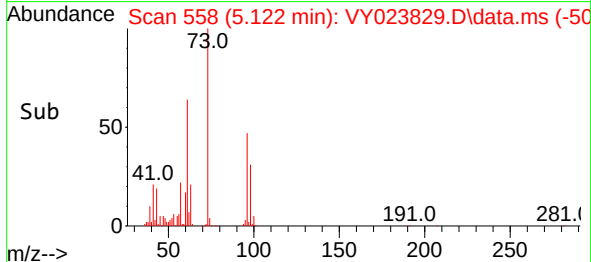
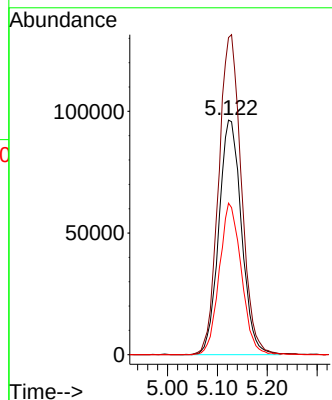
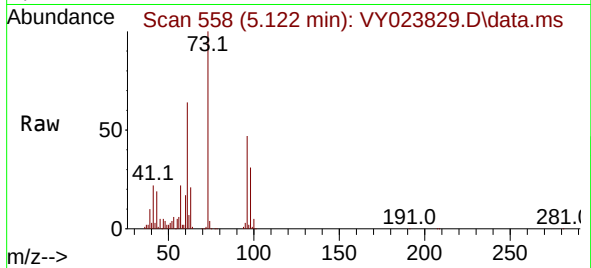




#21
trans-1,2-Dichloroethene
Concen: 50.250 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

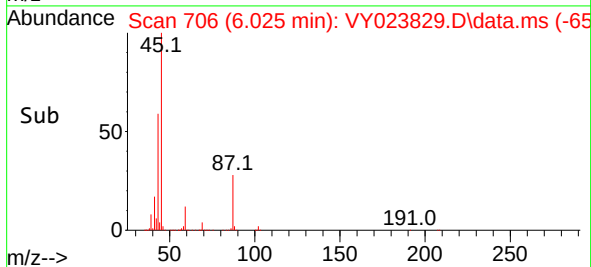
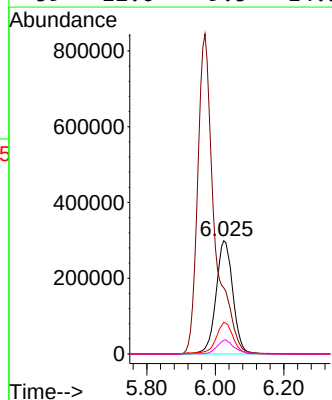
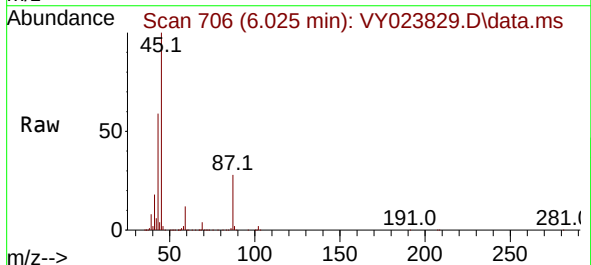
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

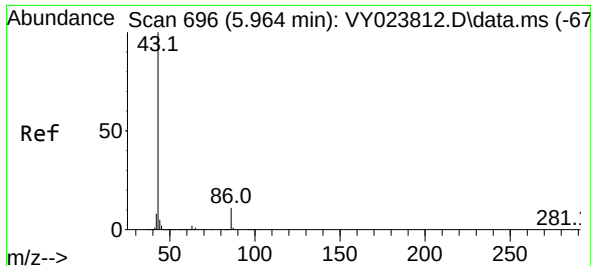
Tgt Ion: 96 Resp: 304799
Ion Ratio Lower Upper
96 100
61 135.2 111.2 166.8
98 64.6 50.5 75.7



#22
Diisopropyl ether
Concen: 54.141 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 45 Resp: 1016024
Ion Ratio Lower Upper
45 100
43 58.5 46.4 69.6
87 27.8 22.1 33.1
59 12.0 9.5 14.3

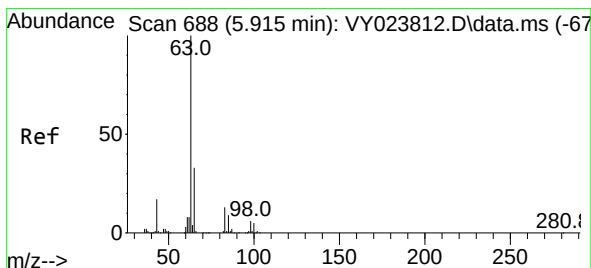
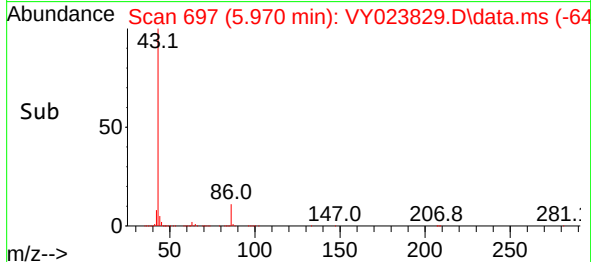
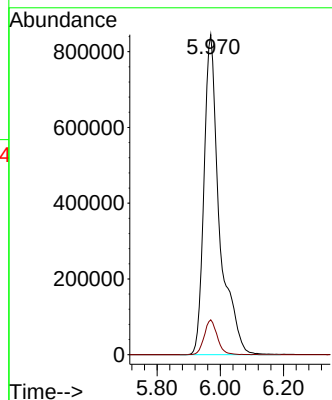
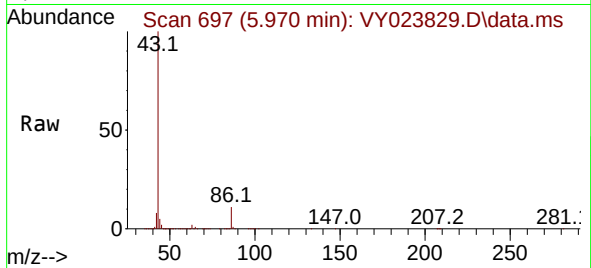




#23
 Vinyl Acetate
 Concen: 275.519 ug/l
 RT: 5.970 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

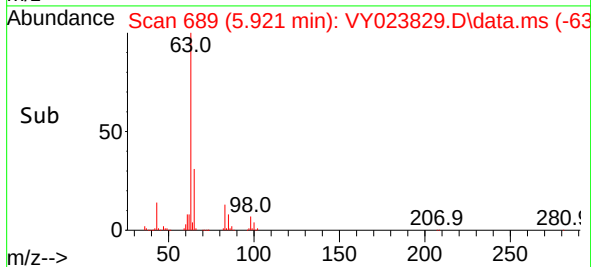
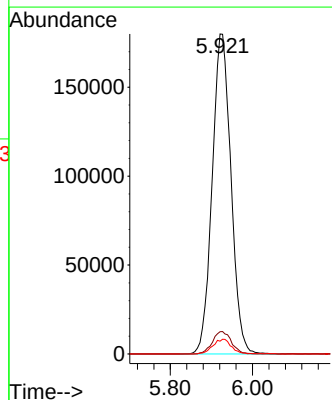
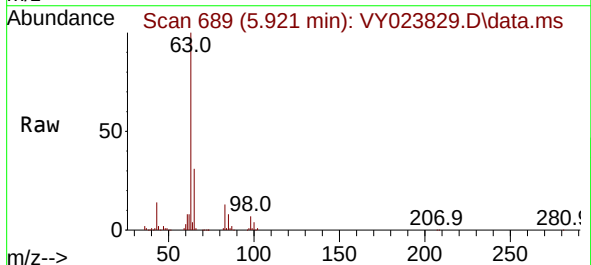
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

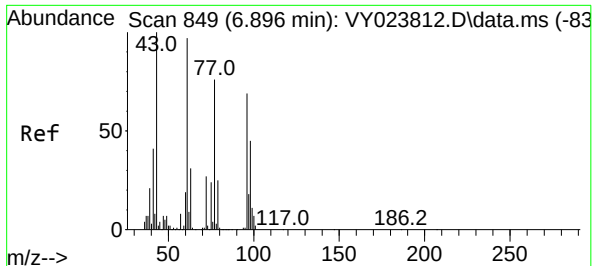
Tgt Ion: 43 Resp: 2875222
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 51.666 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

Tgt Ion: 63 Resp: 570383
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.8
 100 4.0 2.3 6.9





#25

2-Butanone

Concen: 273.766 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

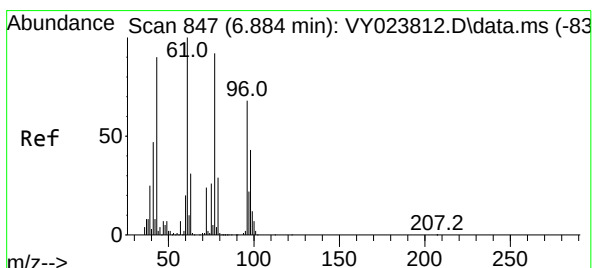
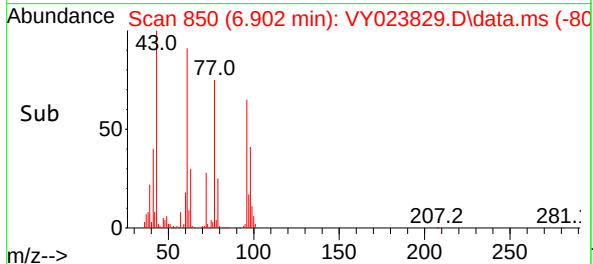
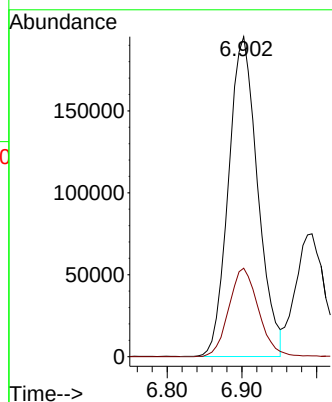
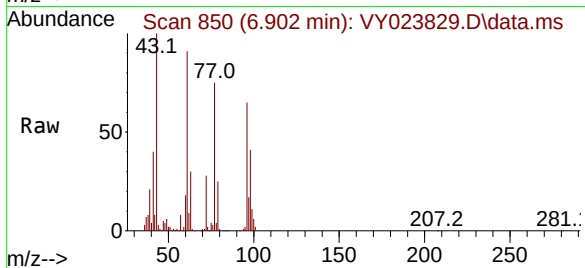
VSTDCCC050

Tgt Ion: 43 Resp: 530431

Ion Ratio Lower Upper

43 100

72 27.7 21.3 31.9



#26

2,2-Dichloropropane

Concen: 51.251 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023829.D

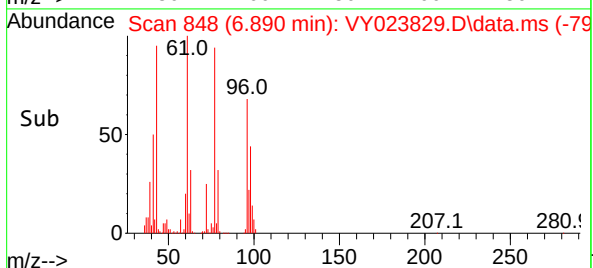
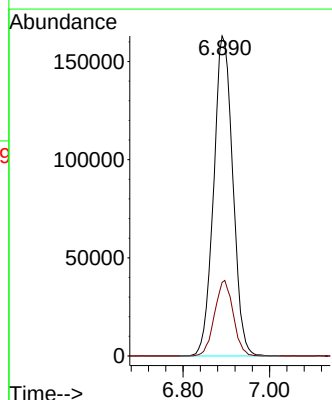
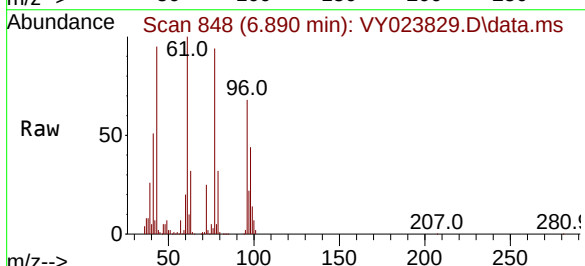
Acq: 01 Dec 2025 07:55

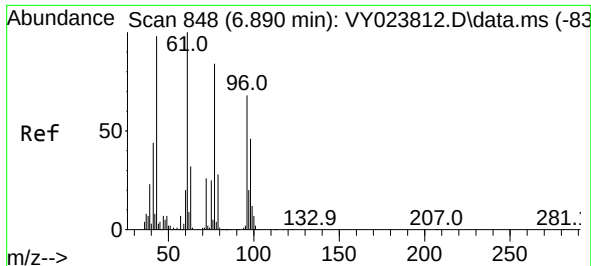
Tgt Ion: 77 Resp: 501519

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 51.306 ug/l

RT: 6.896 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

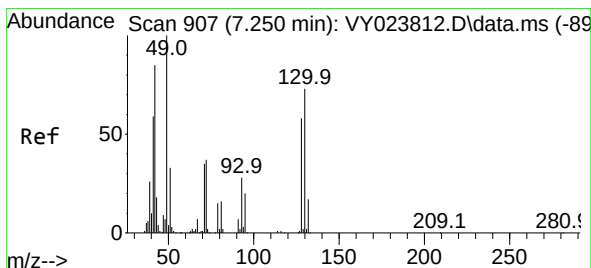
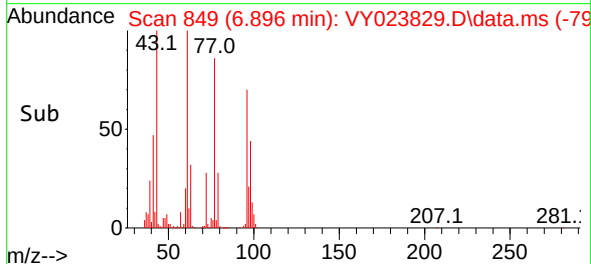
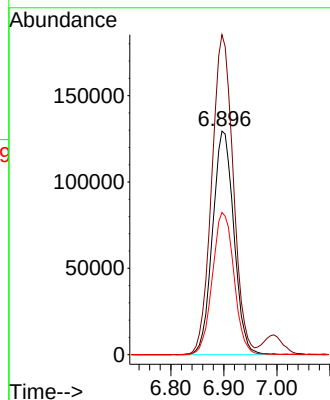
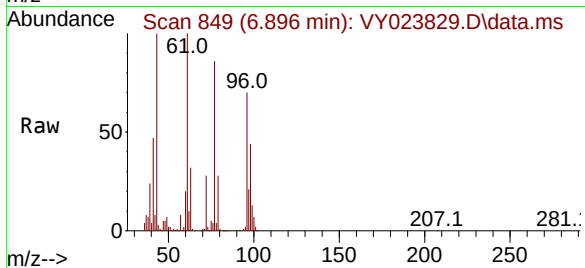
Tgt Ion: 96 Resp: 361391

Ion Ratio Lower Upper

96 100

61 144.3 0.0 291.2

98 64.5 0.0 128.6



#28

Bromochloromethane

Concen: 47.941 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

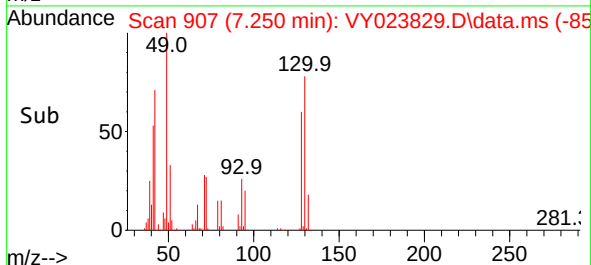
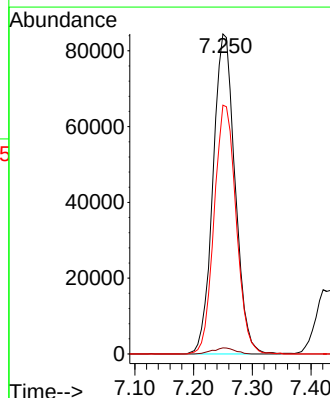
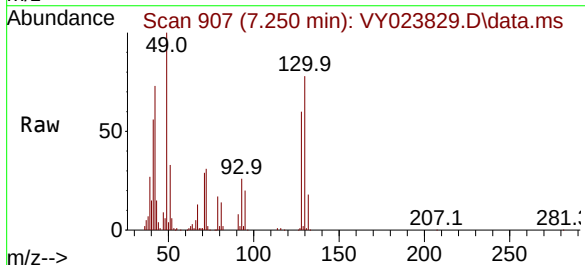
Tgt Ion: 49 Resp: 220152

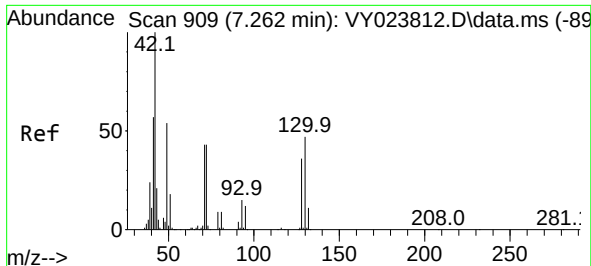
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 77.8 61.4 92.2





#29

Tetrahydrofuran

Concen: 279.924 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

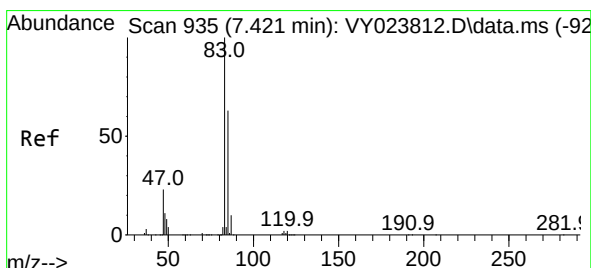
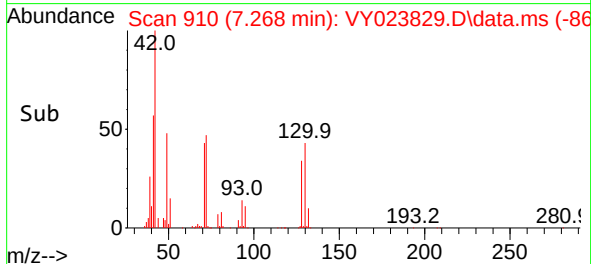
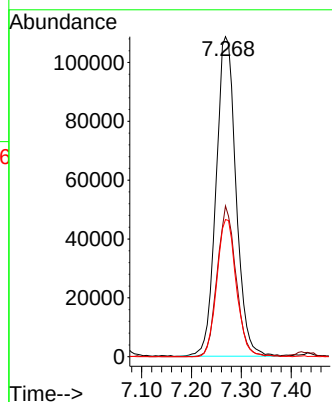
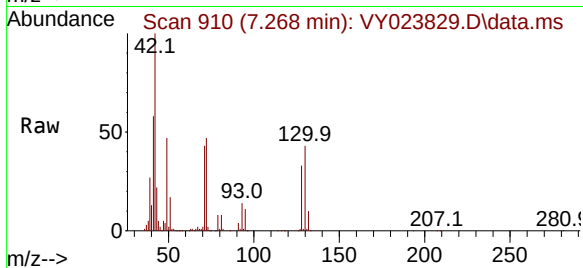
Tgt Ion: 42 Resp: 302501

Ion Ratio Lower Upper

42 100

72 44.5 35.9 53.9

71 42.0 33.3 49.9



#30

Chloroform

Concen: 51.961 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY023829.D

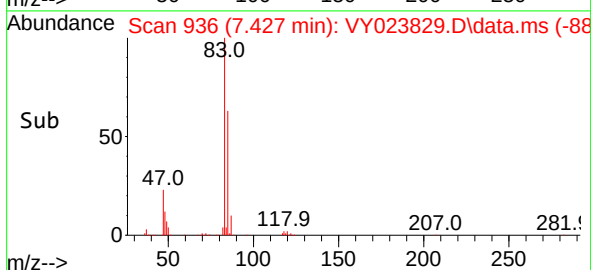
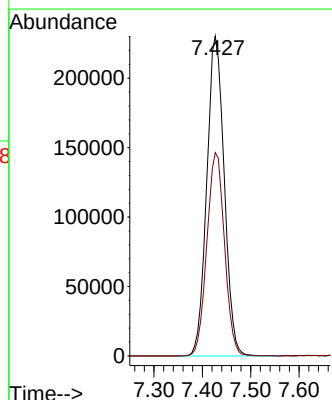
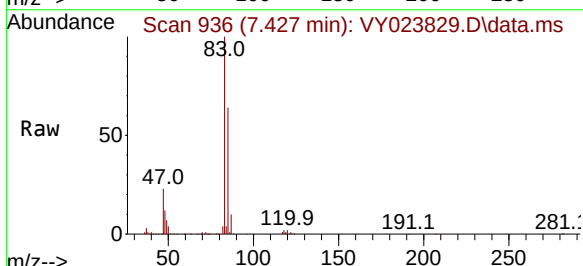
Acq: 01 Dec 2025 07:55

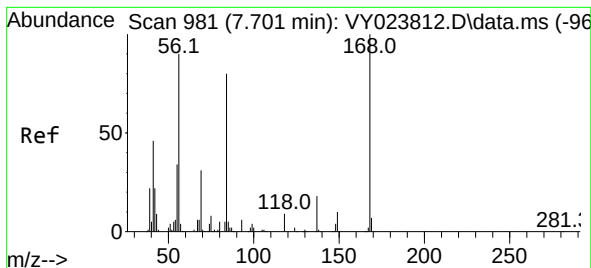
Tgt Ion: 83 Resp: 576817

Ion Ratio Lower Upper

83 100

85 63.6 50.6 76.0





#31

Cyclohexane

Concen: 48.926 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

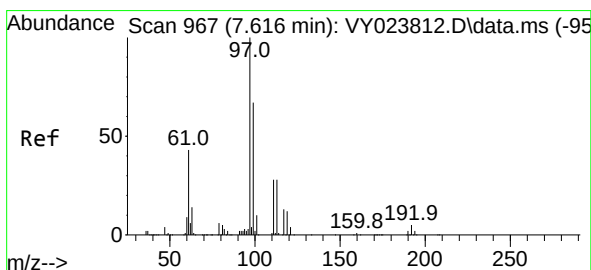
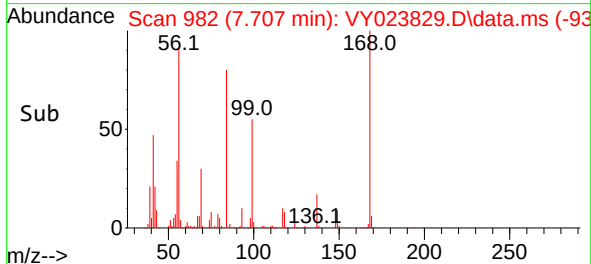
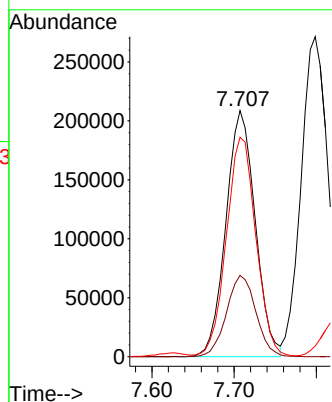
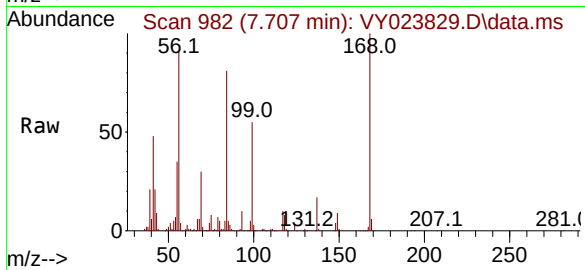
Tgt Ion: 56 Resp: 518325

Ion Ratio Lower Upper

56 100

69 33.1 27.8 41.6

84 88.0 71.8 107.8



#32

1,1,1-Trichloroethane

Concen: 52.616 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

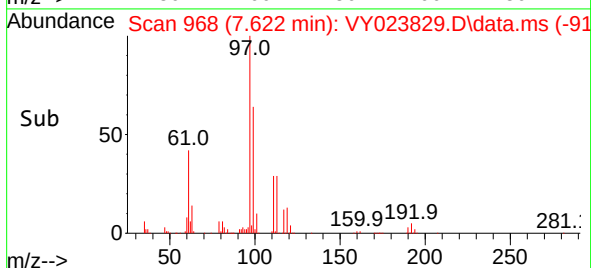
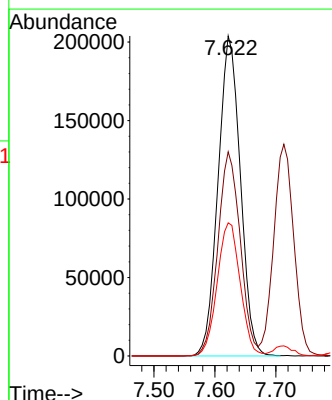
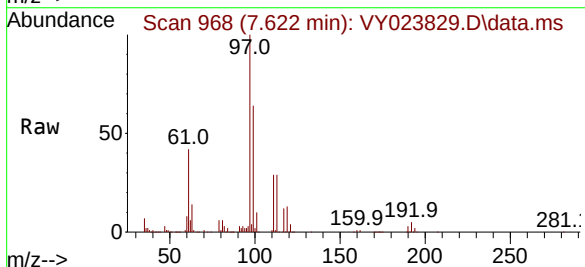
Tgt Ion: 97 Resp: 518459

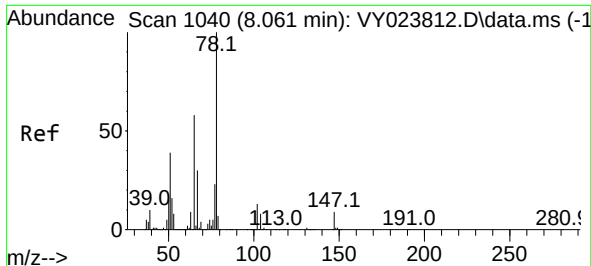
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 42.9 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 53.121 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

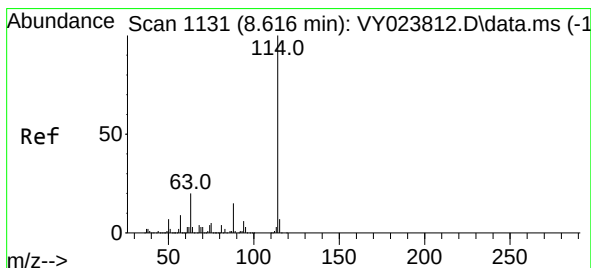
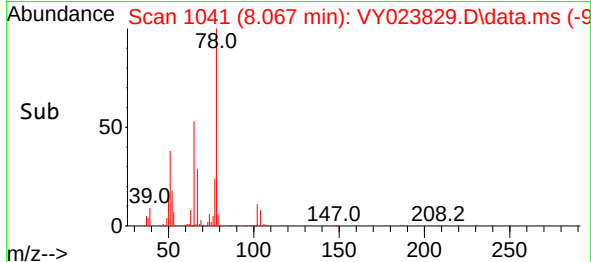
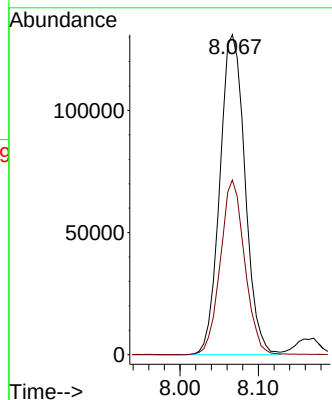
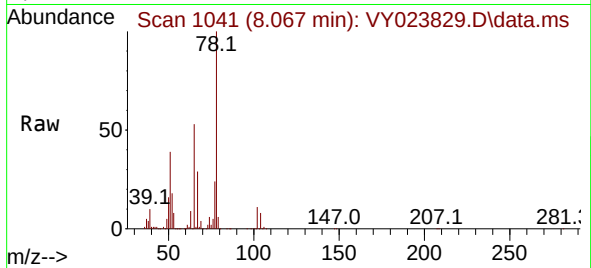
VSTDCCC050

Tgt Ion: 65 Resp: 292717

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

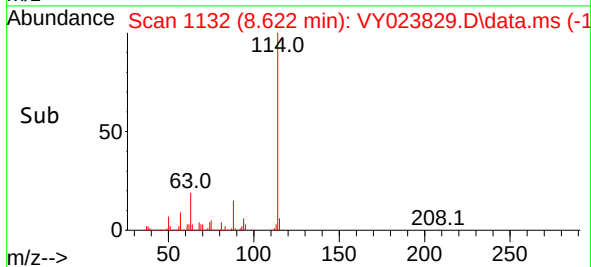
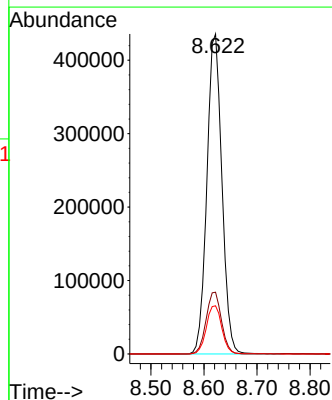
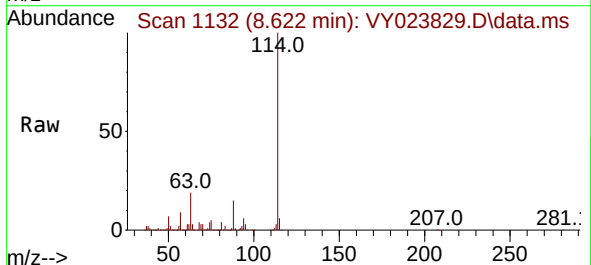
Tgt Ion:114 Resp: 855261

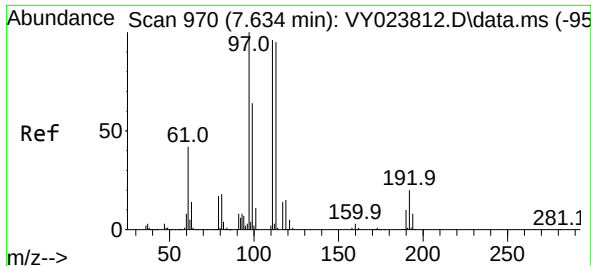
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 15.0 0.0 30.8

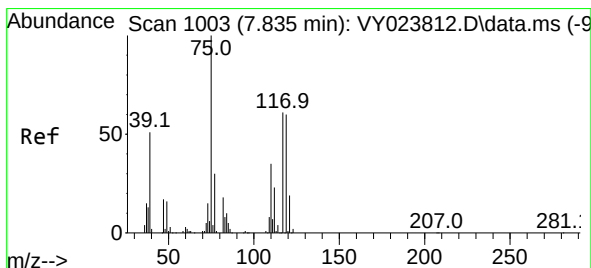
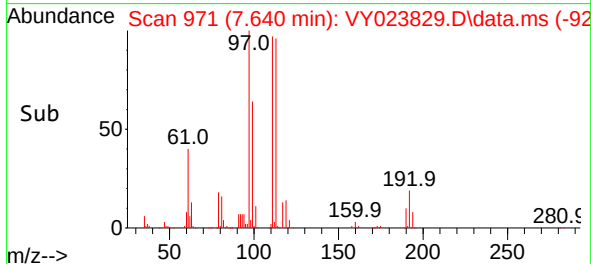
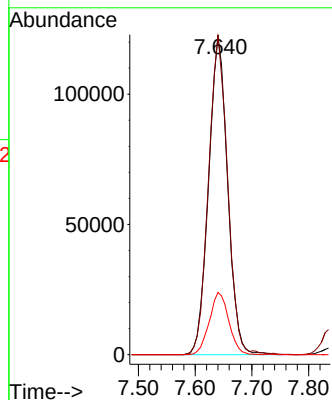
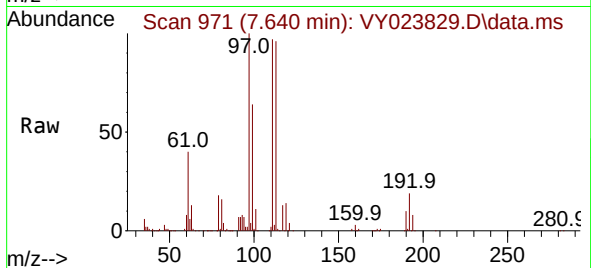




#35
Dibromofluoromethane
Concen: 56.128 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

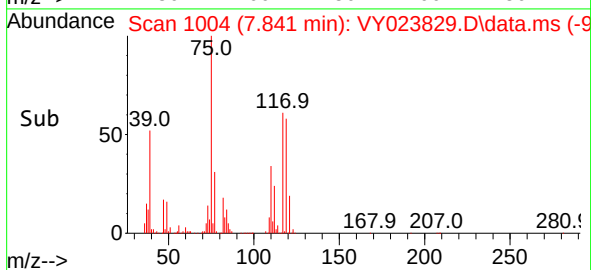
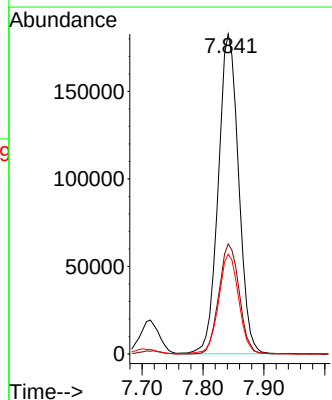
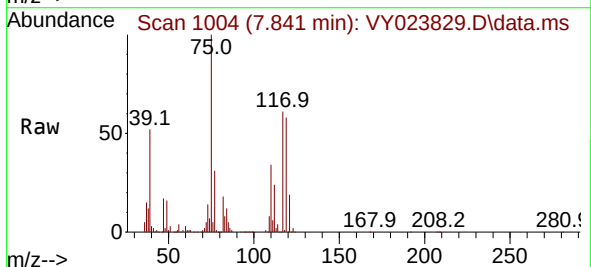
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

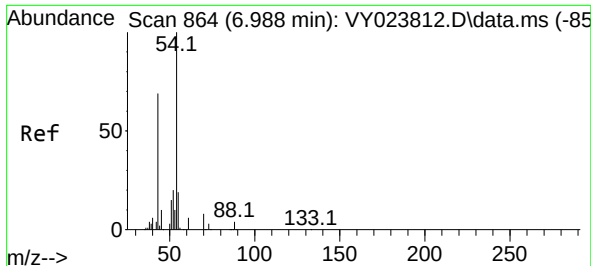
Tgt Ion:113 Resp: 284370
Ion Ratio Lower Upper
113 100
111 100.9 81.4 122.0
192 20.0 15.8 23.8



#36
1,1-Dichloropropene
Concen: 54.560 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 75 Resp: 423829
Ion Ratio Lower Upper
75 100
110 34.4 17.6 52.8
77 31.0 24.9 37.3





#37

Ethyl Acetate

Concen: 58.305 ug/l

RT: 6.994 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

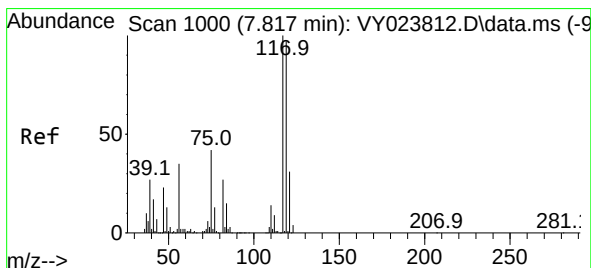
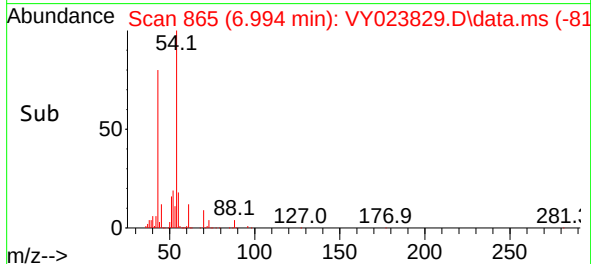
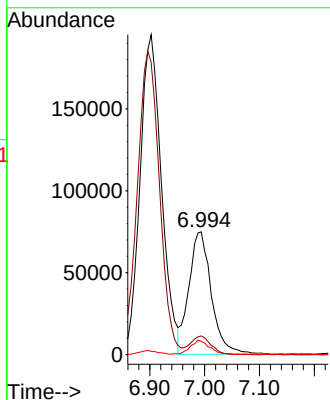
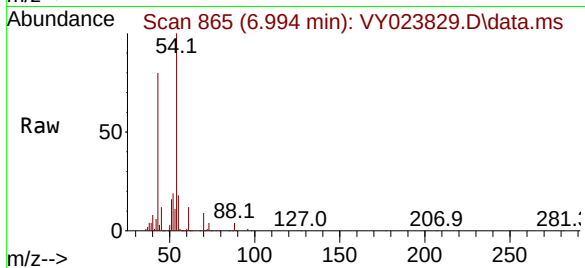
Tgt Ion: 43 Resp: 213042

Ion Ratio Lower Upper

43 100

61 14.4 11.0 16.6

70 10.3 8.1 12.1



#38

Carbon Tetrachloride

Concen: 54.920 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

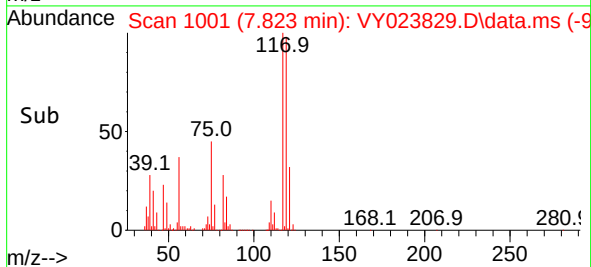
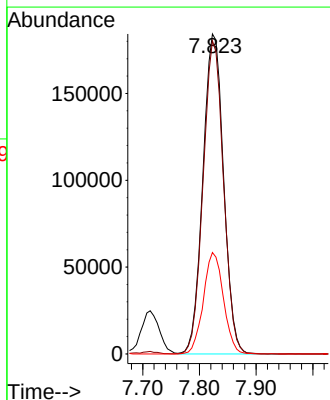
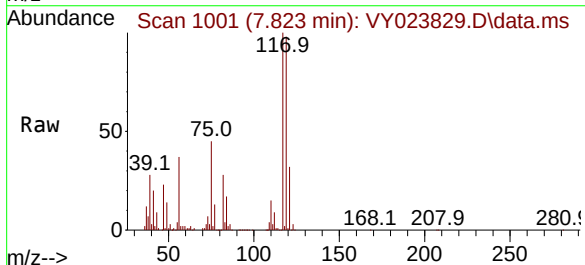
Tgt Ion: 117 Resp: 468287

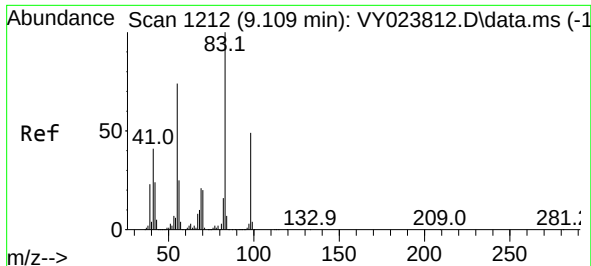
Ion Ratio Lower Upper

117 100

119 97.8 77.3 115.9

121 31.7 25.0 37.6





#39

Methylcyclohexane

Concen: 54.044 ug/l

RT: 9.115 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

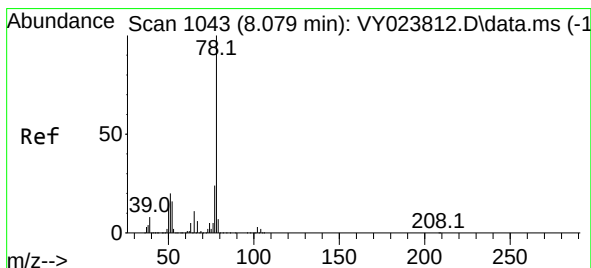
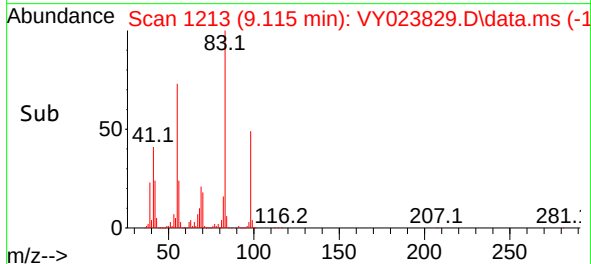
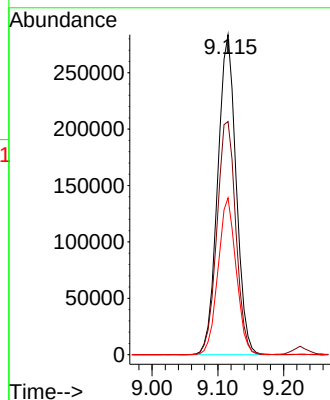
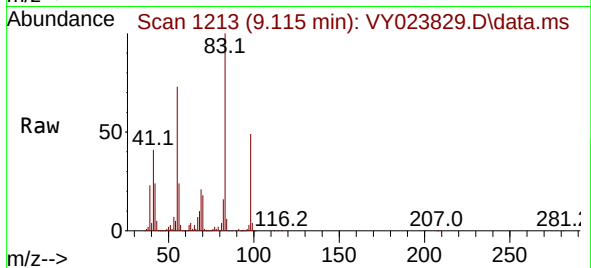
Tgt Ion: 83 Resp: 554459

Ion Ratio Lower Upper

83 100

55 72.9 59.4 89.2

98 49.0 39.5 59.3



#40

Benzene

Concen: 53.501 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY023829.D

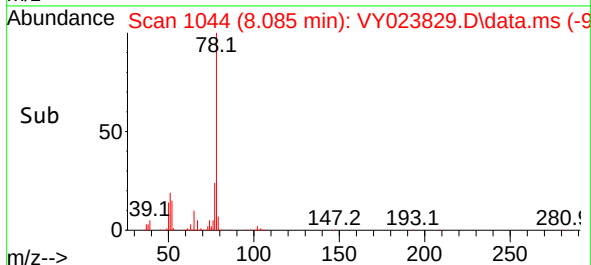
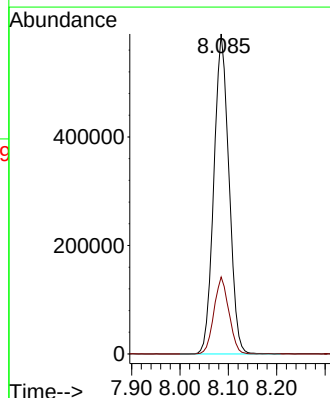
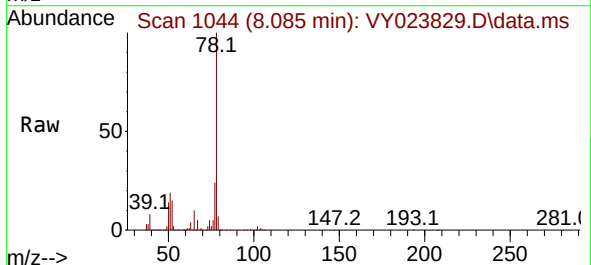
Acq: 01 Dec 2025 07:55

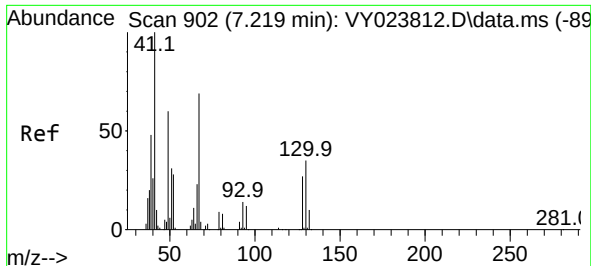
Tgt Ion: 78 Resp: 1278955

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



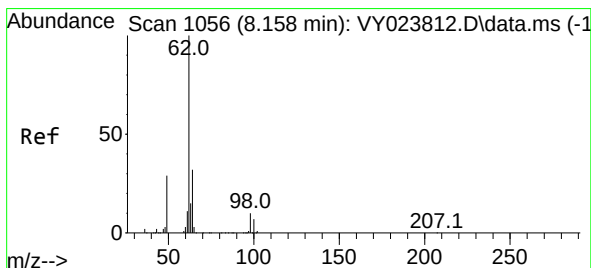
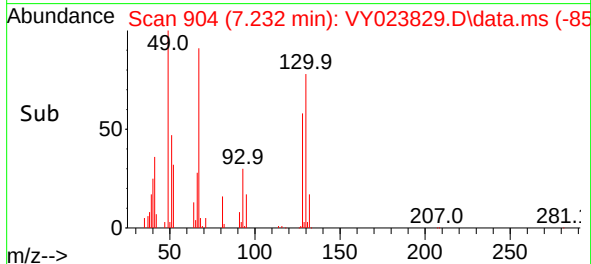
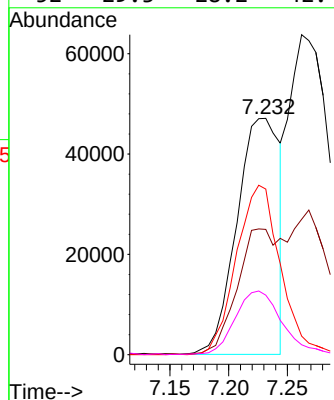
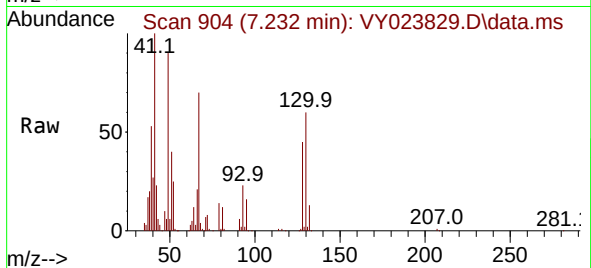


#41
Methacrylonitrile
Concen: 65.213 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 118961

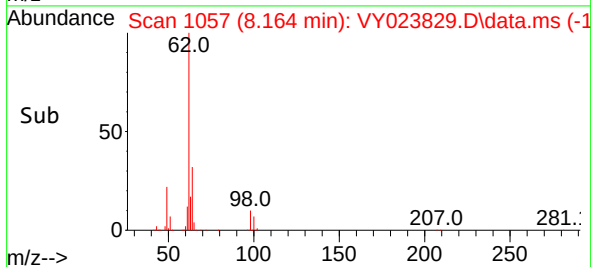
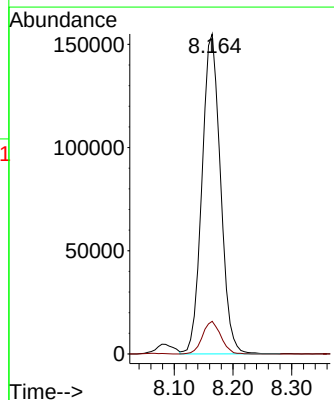
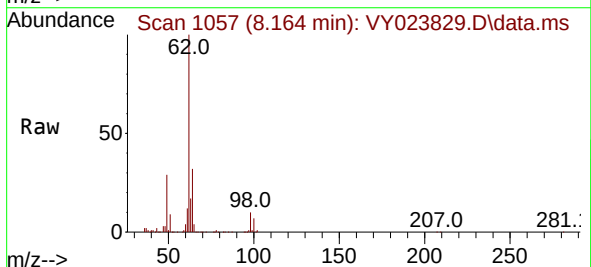
Ion	Ratio	Lower	Upper
41	100		
39	44.8	40.6	61.0
67	74.8	67.9	101.9
52	29.3	28.2	42.4

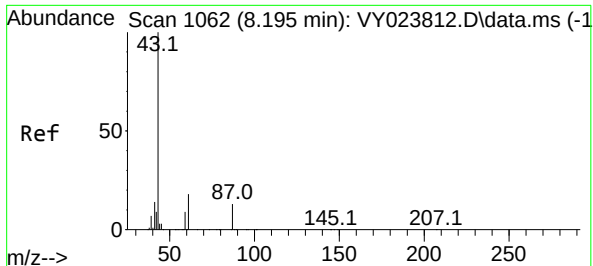


#42
1,2-Dichloroethane
Concen: 54.948 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 62 Resp: 338640

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8





#43

Isopropyl Acetate

Concen: 55.501 ug/l

RT: 8.201 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

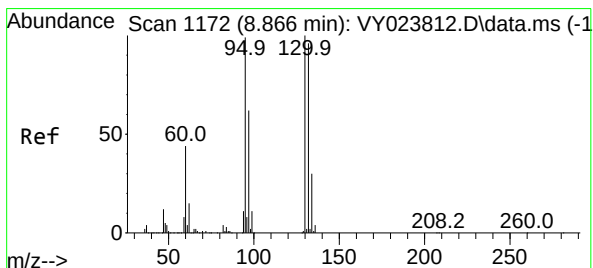
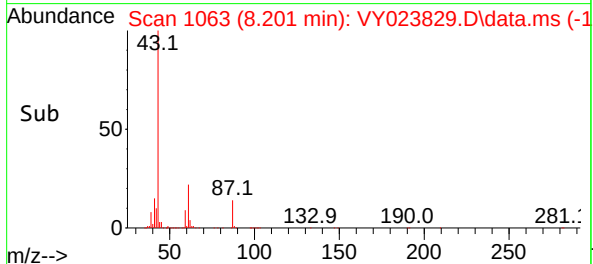
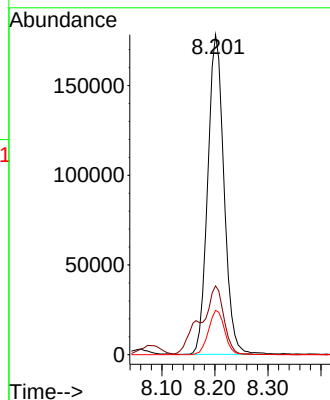
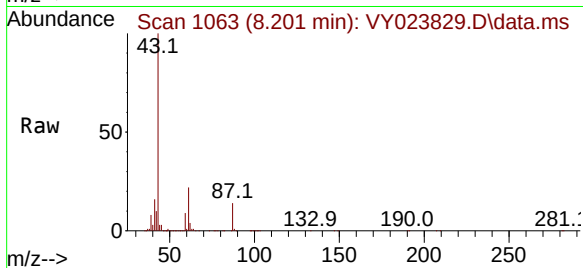
Tgt Ion: 43 Resp: 378976

Ion Ratio Lower Upper

43 100

61 30.4 24.3 36.5

87 13.8 11.0 16.4



#44

Trichloroethene

Concen: 54.645 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY023829.D

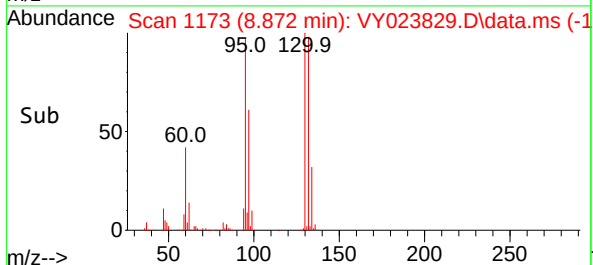
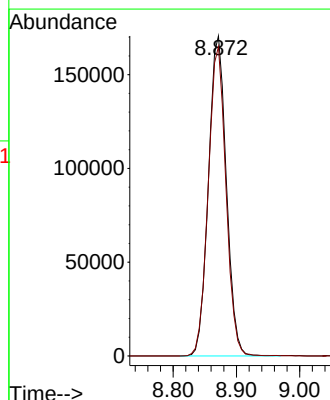
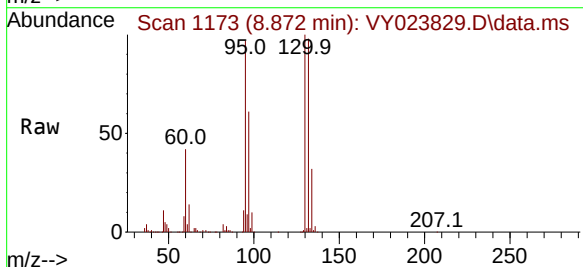
Acq: 01 Dec 2025 07:55

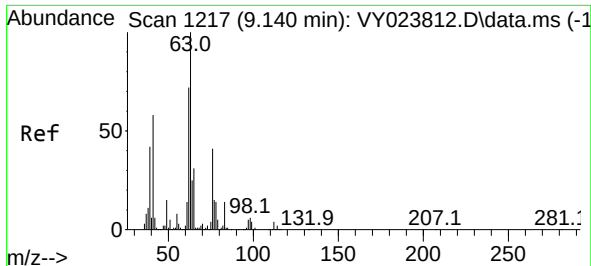
Tgt Ion:130 Resp: 335169

Ion Ratio Lower Upper

130 100

95 96.7 0.0 197.8





#45

1,2-Dichloropropane

Concen: 55.100 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

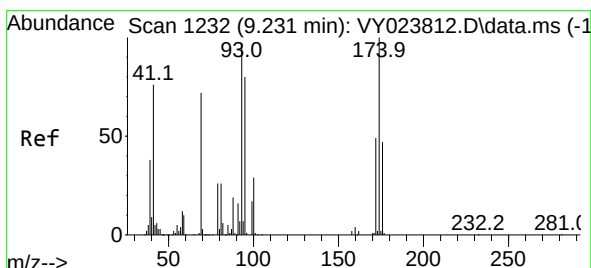
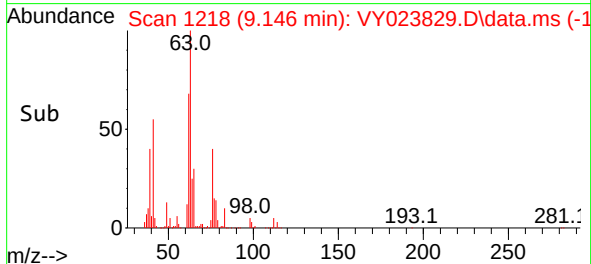
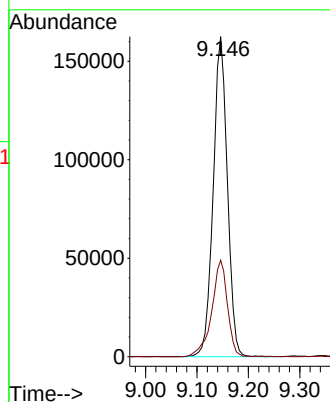
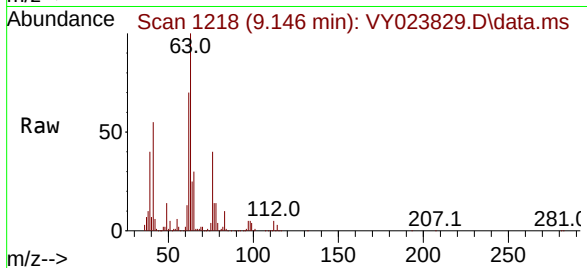
VSTDCCC050

Tgt Ion: 63 Resp: 310559

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.6



#46

Dibromomethane

Concen: 54.610 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

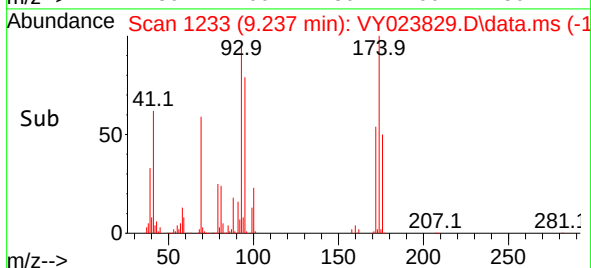
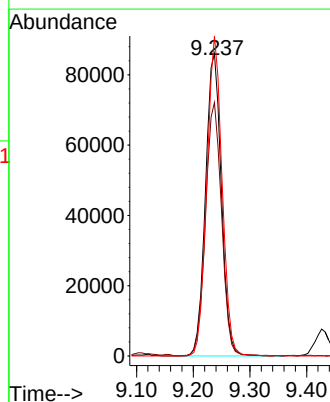
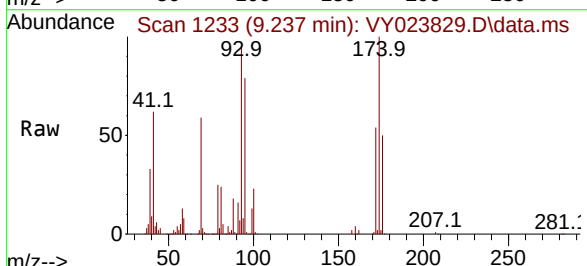
Tgt Ion: 93 Resp: 167018

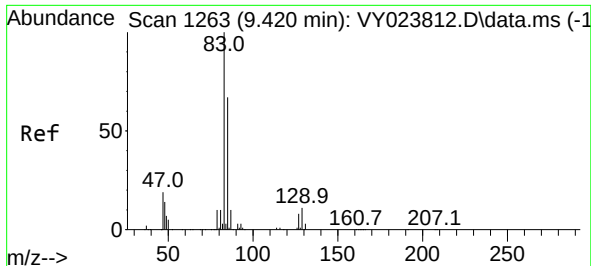
Ion Ratio Lower Upper

93 100

95 84.7 66.6 99.8

174 102.3 80.6 121.0

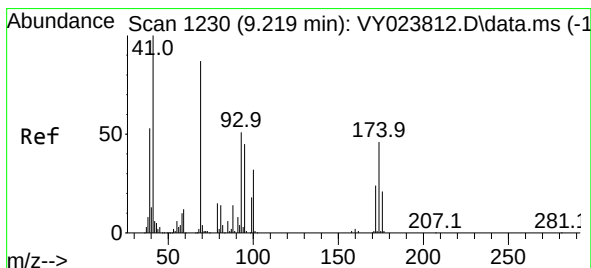
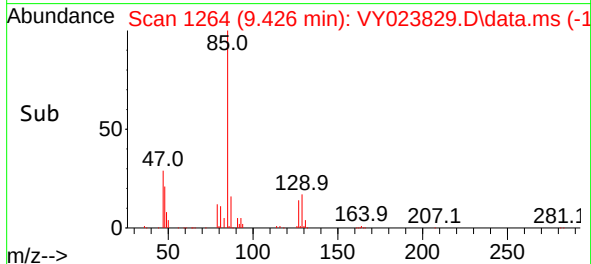
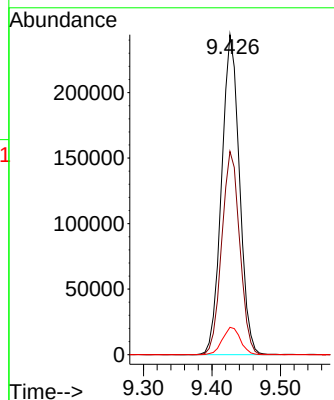
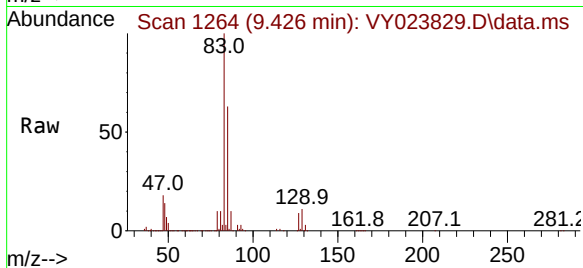




#47
Bromodichloromethane
Concen: 55.198 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

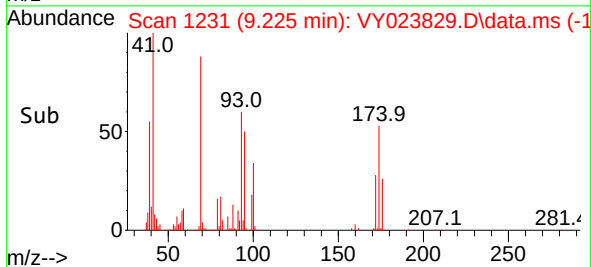
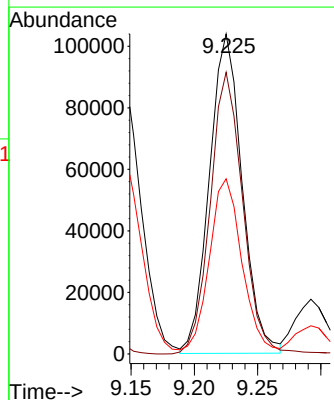
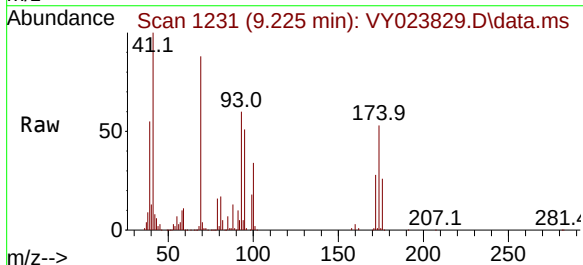
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

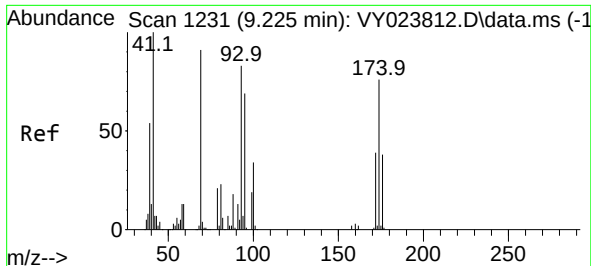
Tgt Ion: 83 Resp: 441190
Ion Ratio Lower Upper
83 100
85 63.5 53.7 80.5
127 8.6 6.6 10.0



#48
Methyl methacrylate
Concen: 58.148 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 41 Resp: 186940
Ion Ratio Lower Upper
41 100
69 88.0 69.1 103.7
39 52.2 41.2 61.8





#49

1,4-Dioxane

Concen: 1180.999 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

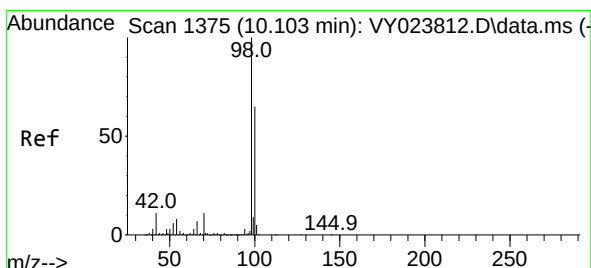
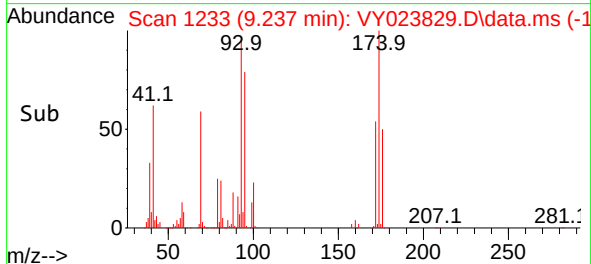
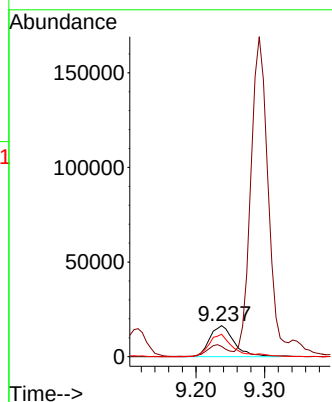
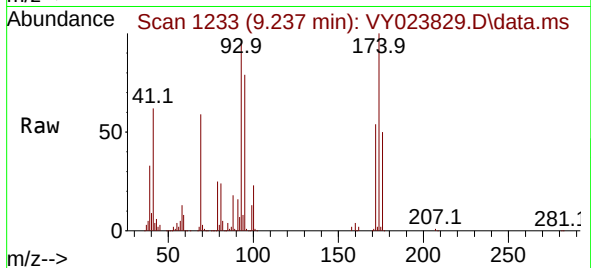
Tgt Ion: 88 Resp: 40480

Ion Ratio Lower Upper

88 100

43 31.1 24.6 37.0

58 73.3 53.4 80.2



#50

Toluene-d8

Concen: 55.783 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023829.D

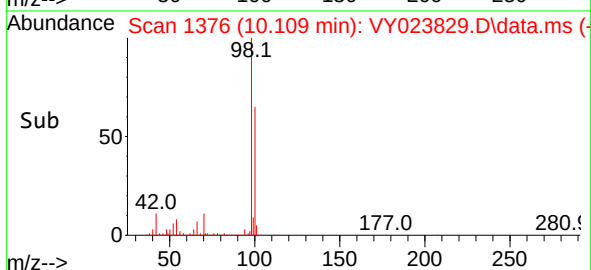
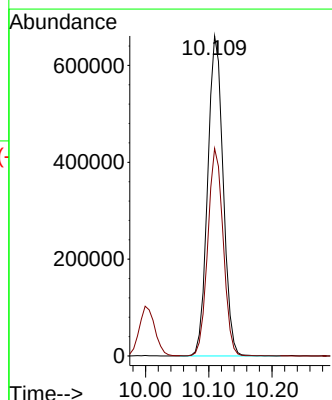
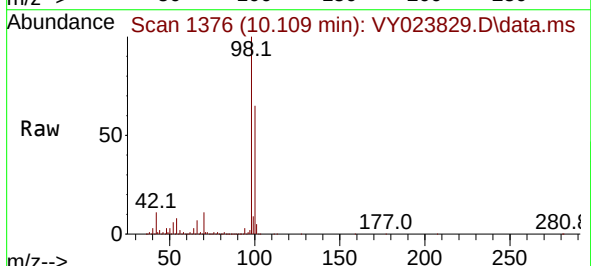
Acq: 01 Dec 2025 07:55

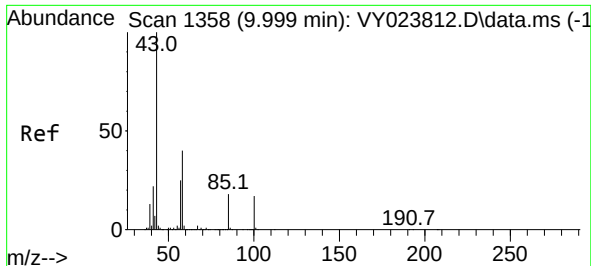
Tgt Ion: 98 Resp: 1122581

Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9

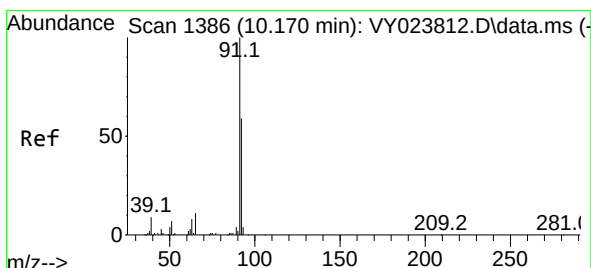
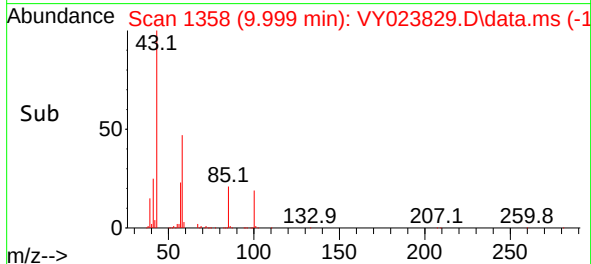
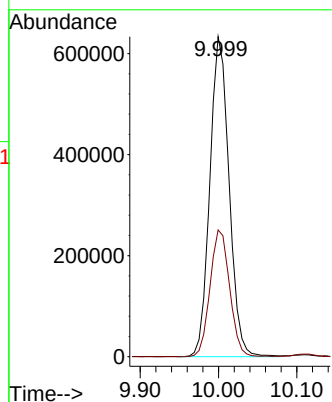
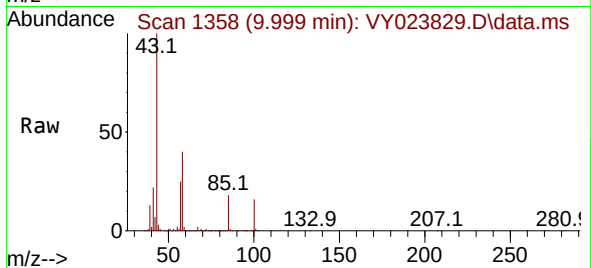




#51
4-Methyl-2-Pentanone
Concen: 300.240 ug/l
RT: 9.999 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

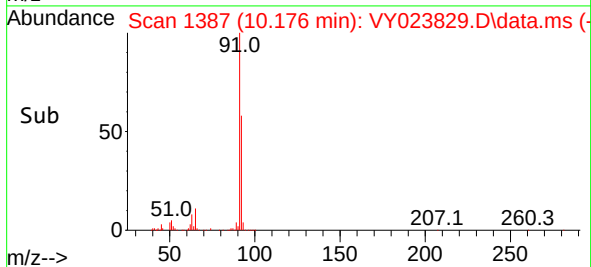
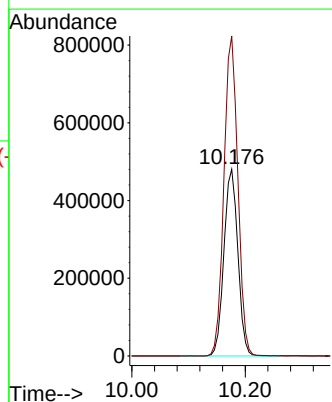
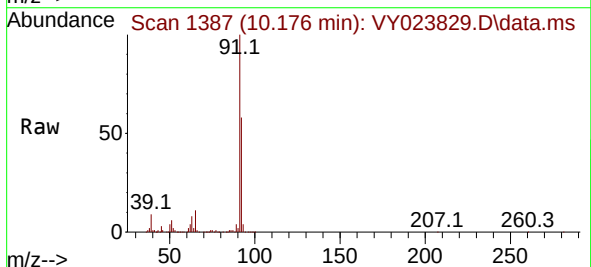
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

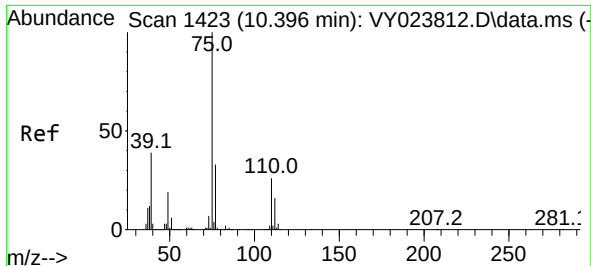
Tgt Ion: 43 Resp: 1079247
Ion Ratio Lower Upper
43 100
58 40.5 32.4 48.6



#52
Toluene
Concen: 55.219 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 92 Resp: 818319
Ion Ratio Lower Upper
92 100
91 171.2 136.8 205.2

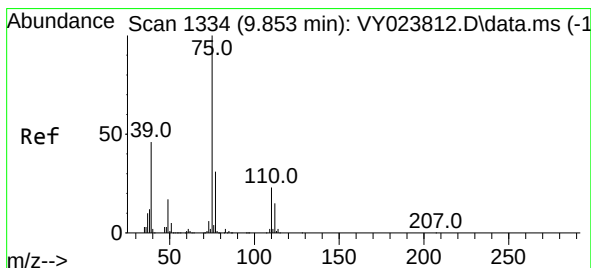
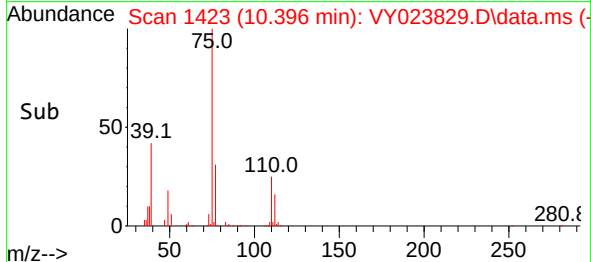
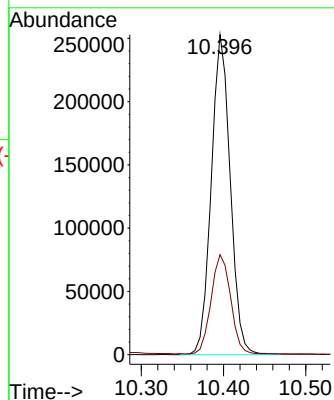
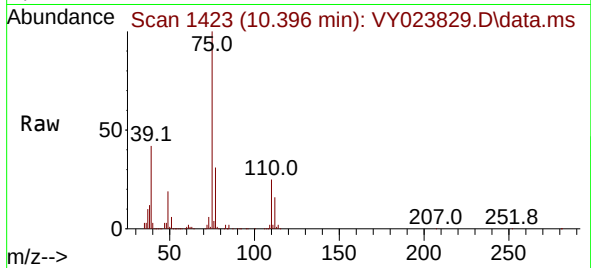




#53
t-1,3-Dichloropropene
Concen: 55.375 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

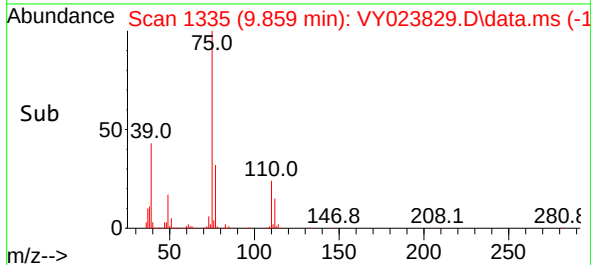
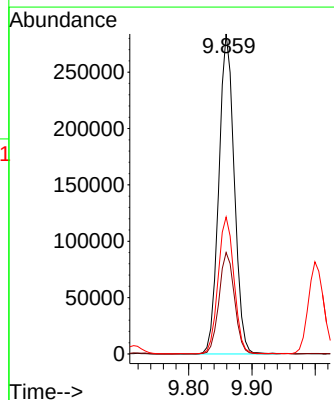
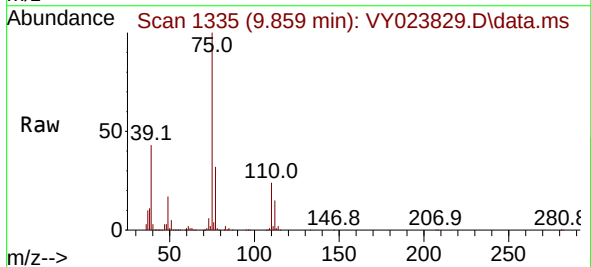
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

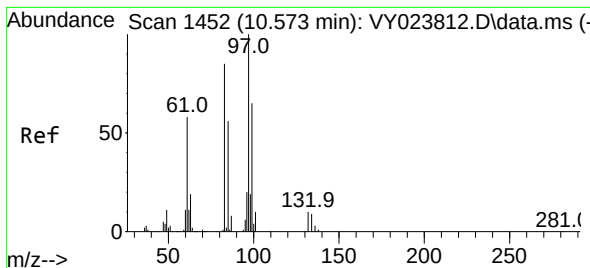
Tgt Ion: 75 Resp: 405436
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 54.711 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 75 Resp: 479494
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 42.7 36.6 55.0



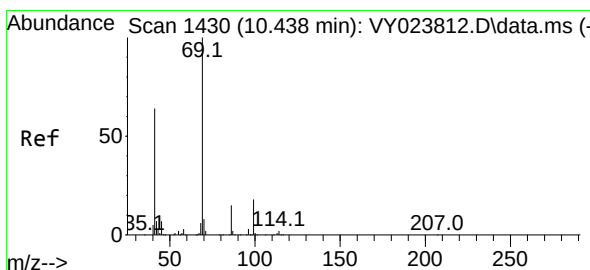
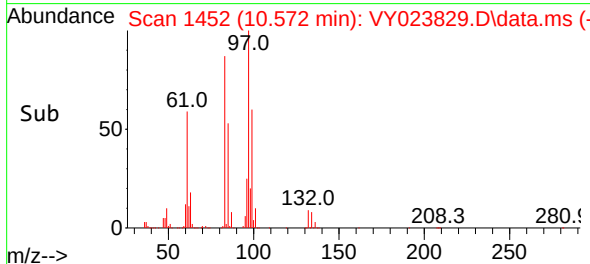
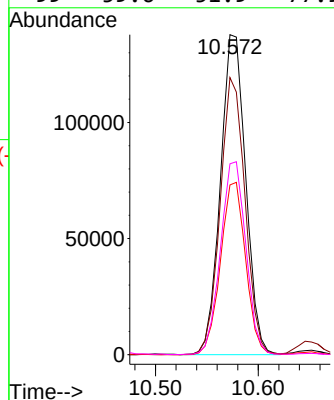
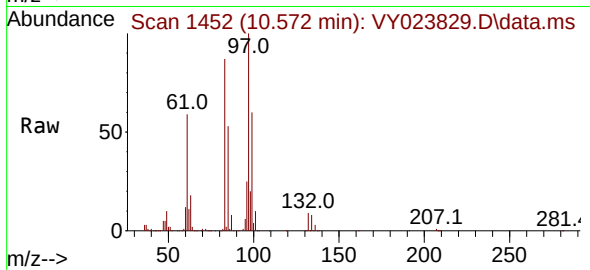


#55
1,1,2-Trichloroethane
Concen: 57.435 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 235303

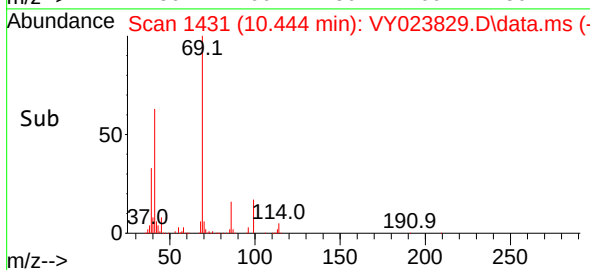
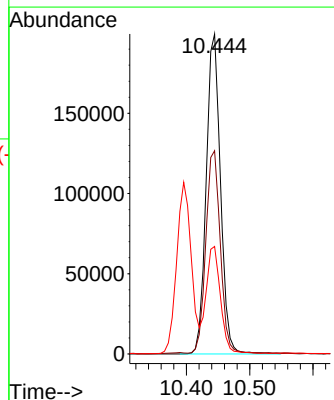
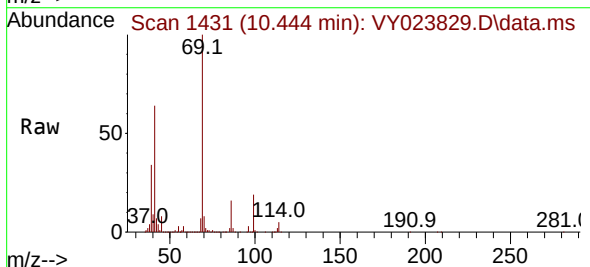
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	53.1	45.0	67.4
99	59.6	51.9	77.9

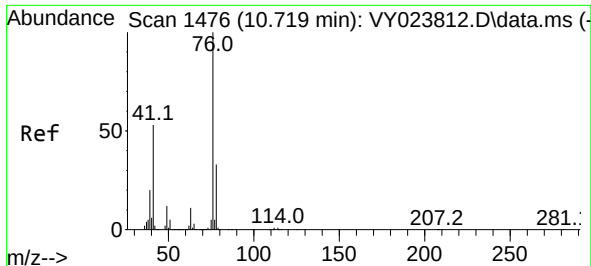


#56
Ethyl methacrylate
Concen: 58.253 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 69 Resp: 313367

Ion	Ratio	Lower	Upper
69	100		
41	64.0	50.9	76.3
39	33.4	26.6	40.0

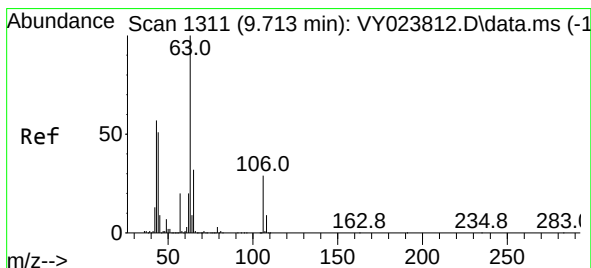
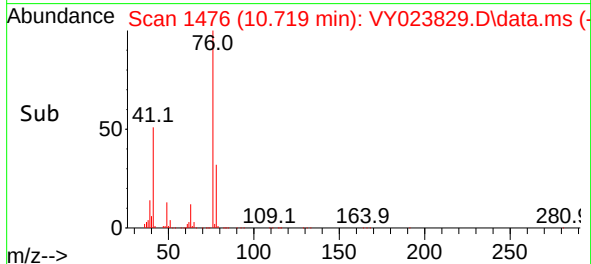
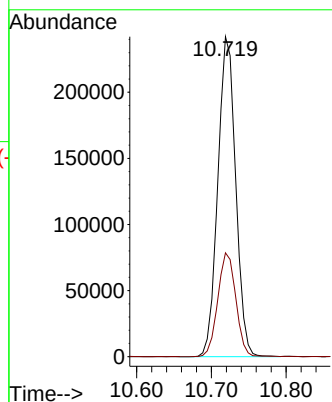
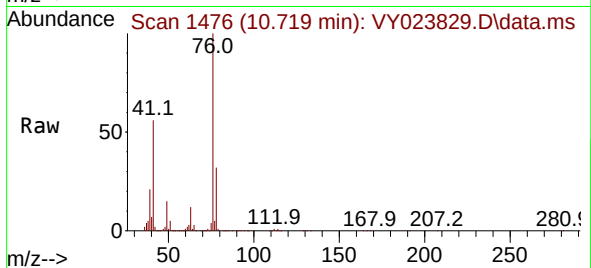




#57
1,3-Dichloropropane
Concen: 56.202 ug/l
RT: 10.719 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

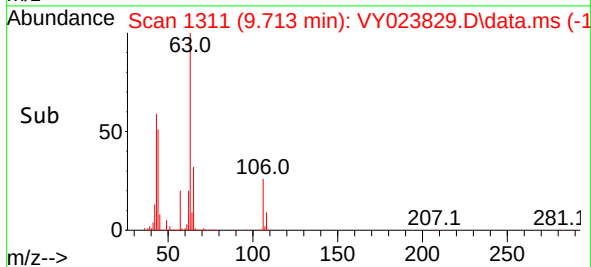
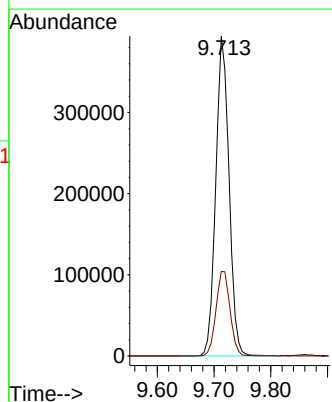
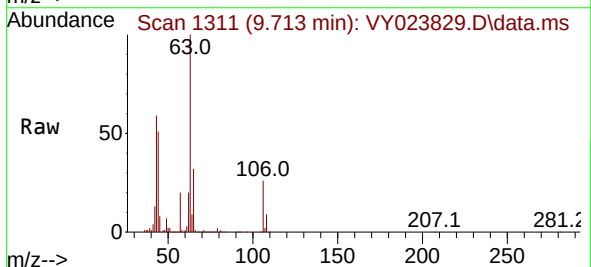
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

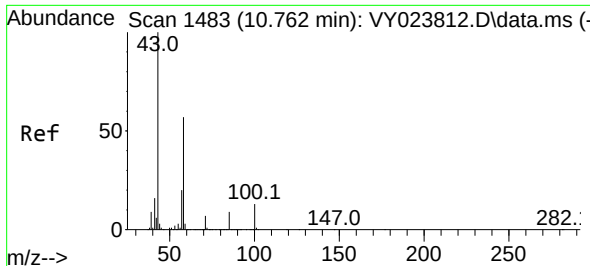
Tgt Ion: 76 Resp: 401661
Ion Ratio Lower Upper
76 100
78 32.8 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 247.809 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 63 Resp: 640398
Ion Ratio Lower Upper
63 100
106 27.9 22.2 33.2

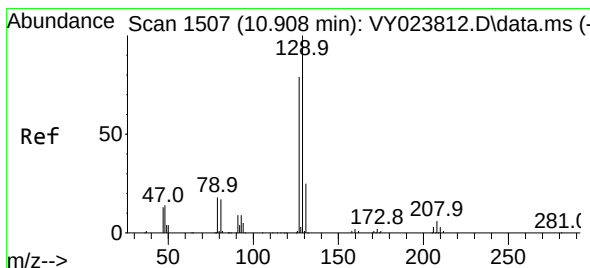
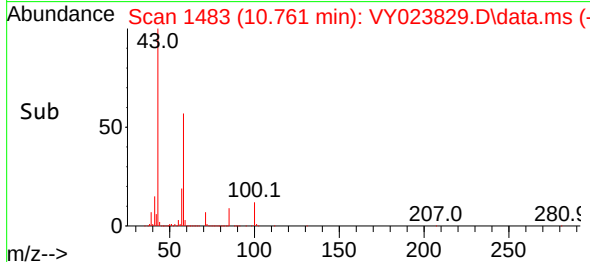
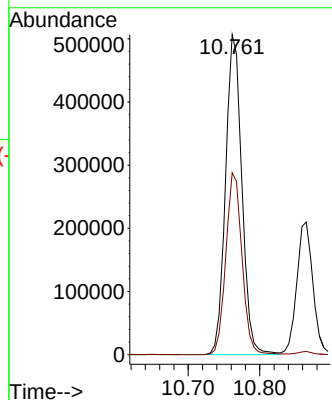
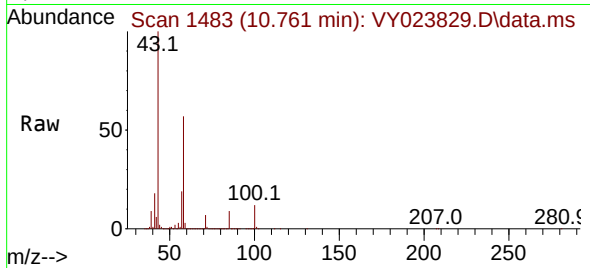




#59
2-Hexanone
Concen: 301.685 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

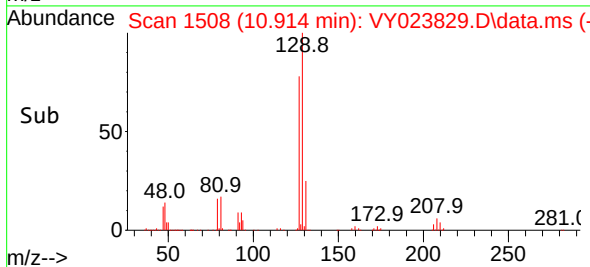
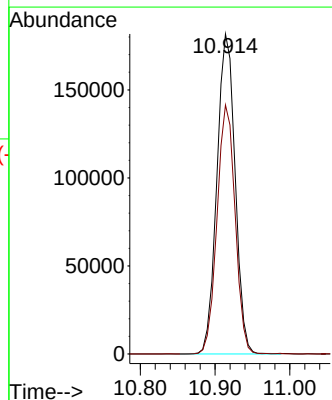
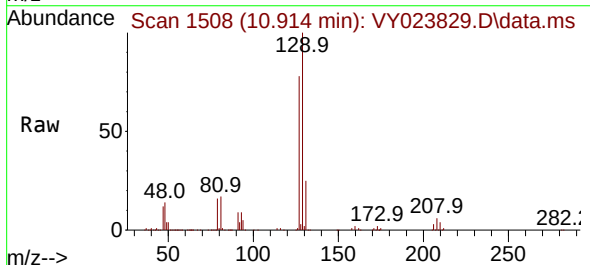
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

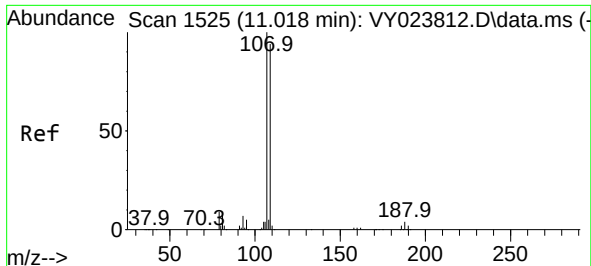
Tgt Ion: 43 Resp: 801922
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0



#60
Dibromochloromethane
Concen: 56.119 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 129 Resp: 308523
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

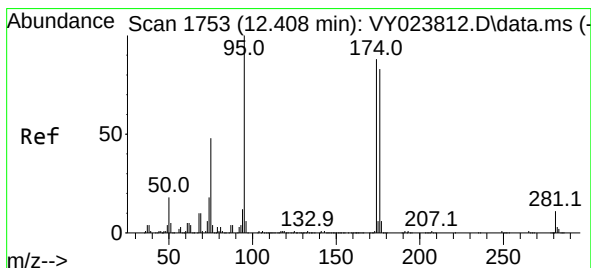
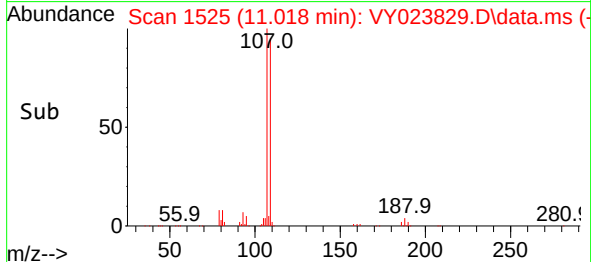
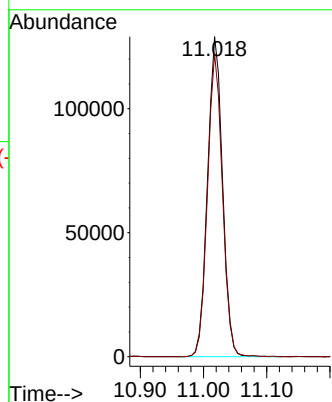
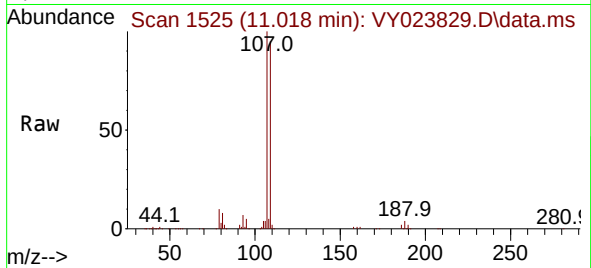




#61
1,2-Dibromoethane
Concen: 56.066 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

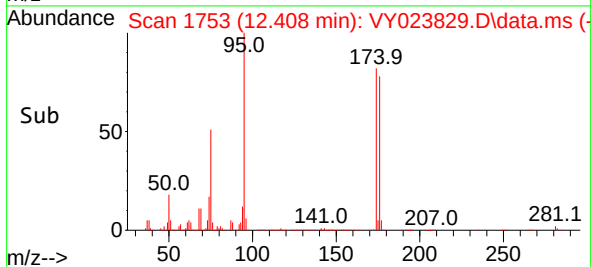
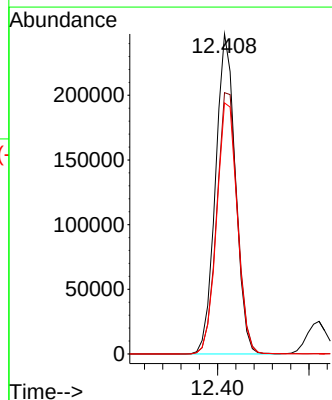
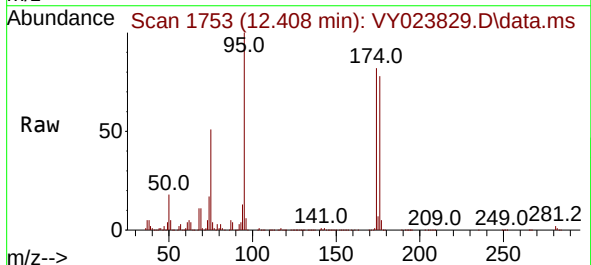
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

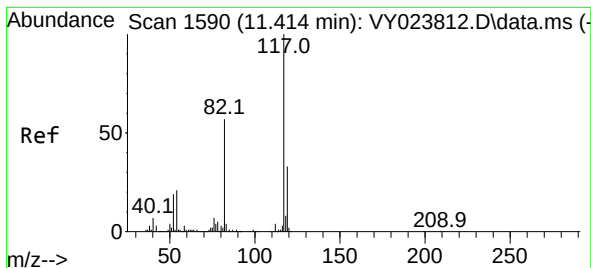
Tgt Ion:107 Resp: 213209
Ion Ratio Lower Upper
107 100
109 94.1 76.7 115.1



#62
4-Bromofluorobenzene
Concen: 56.395 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 95 Resp: 373417
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.6
176 81.5 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

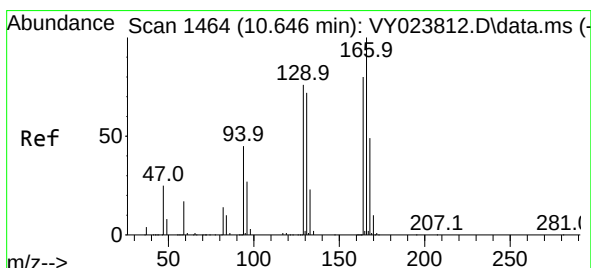
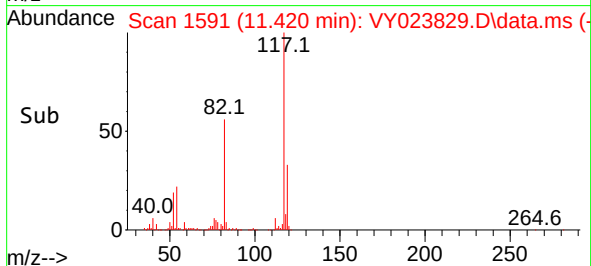
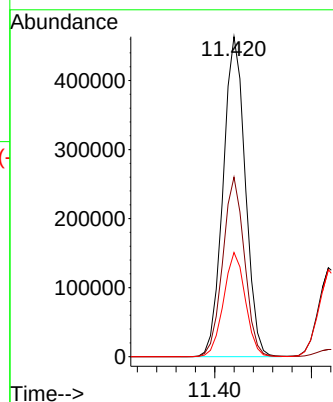
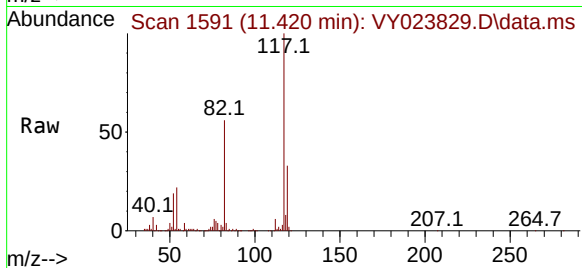
Tgt Ion:117 Resp: 736930

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

119 32.5 26.0 39.0



#64

Tetrachloroethene

Concen: 56.086 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Tgt Ion:164 Resp: 392087

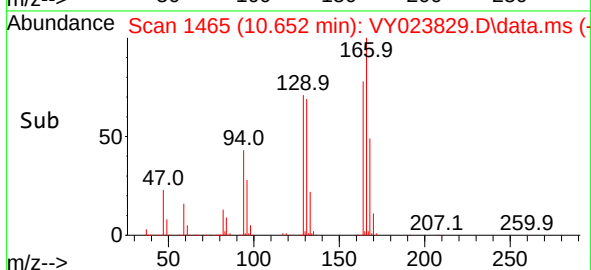
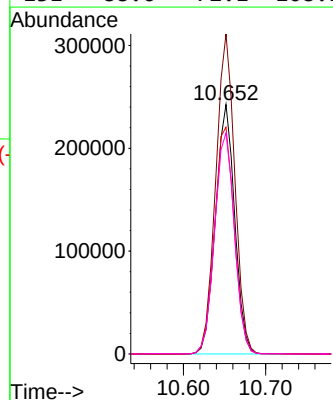
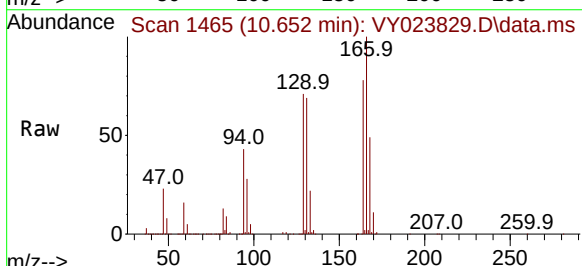
Ion Ratio Lower Upper

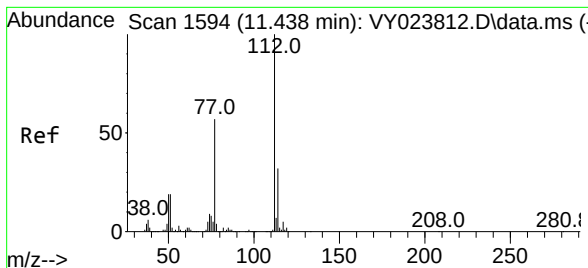
164 100

166 128.3 100.6 150.8

129 90.9 76.0 114.0

131 88.6 72.1 108.1

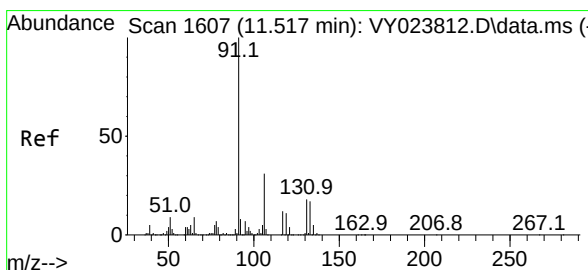
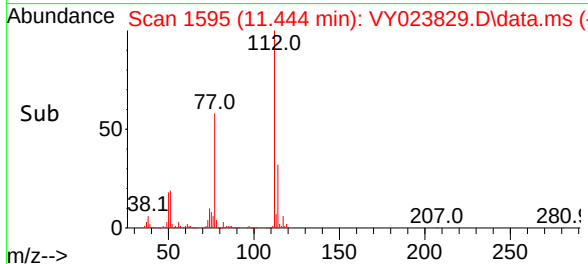
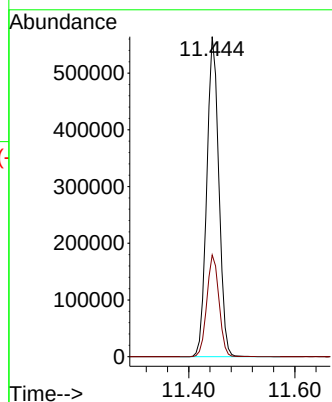
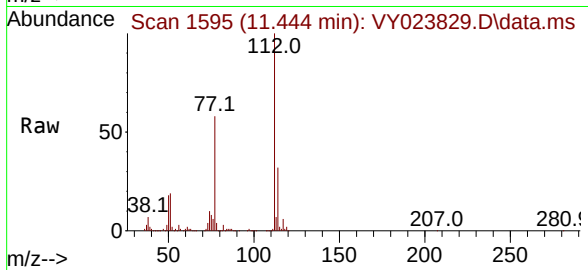




#65
Chlorobenzene
Concen: 54.945 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

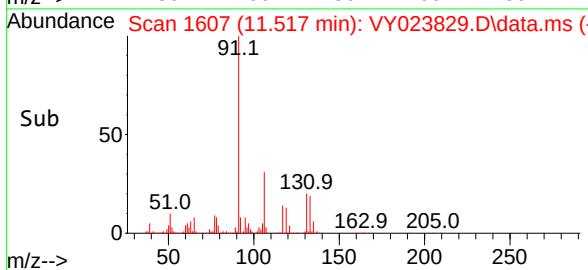
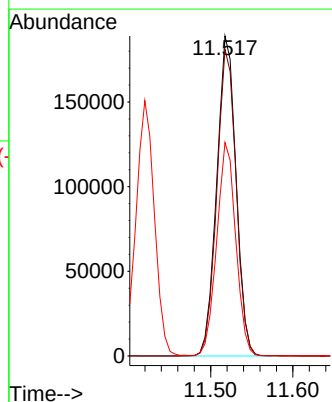
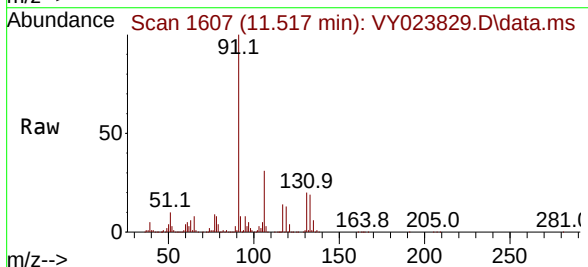
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

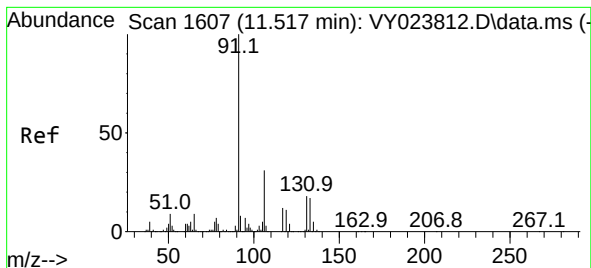
Tgt Ion:112 Resp: 888796
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 56.153 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion:131 Resp: 308580
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.3
119 65.8 33.0 98.9





#67

Ethyl Benzene

Concen: 57.109 ug/l

RT: 11.524 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

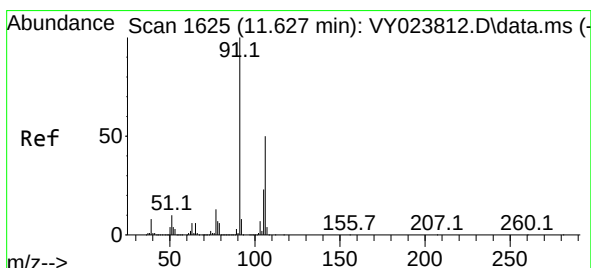
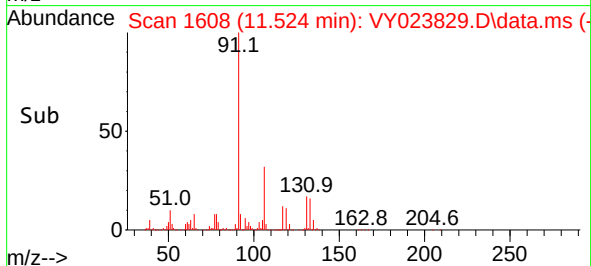
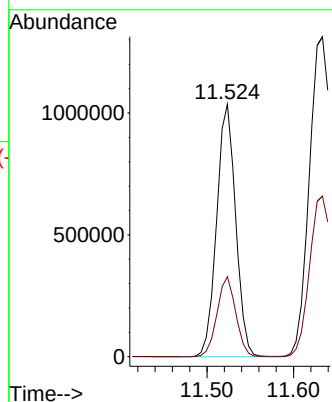
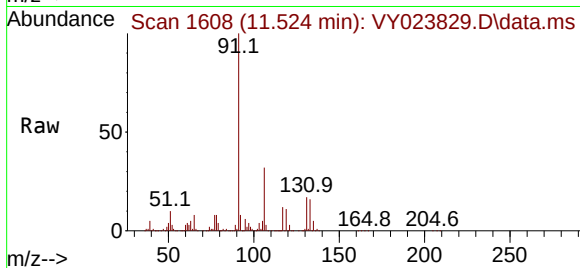
VSTDCCC050

Tgt Ion: 91 Resp: 1577940

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



#68

m/p-Xylenes

Concen: 112.859 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY023829.D

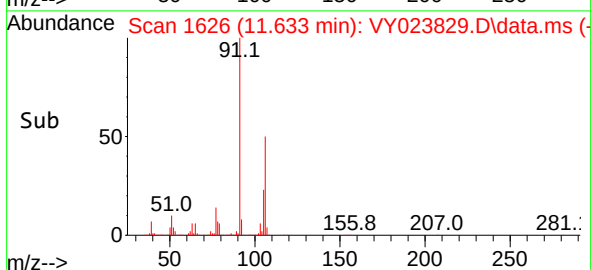
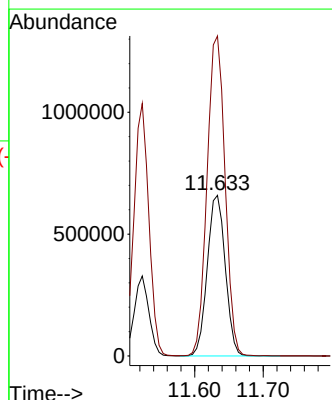
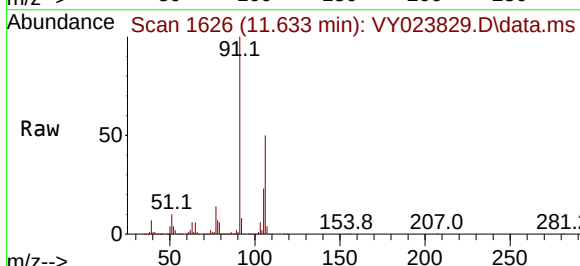
Acq: 01 Dec 2025 07:55

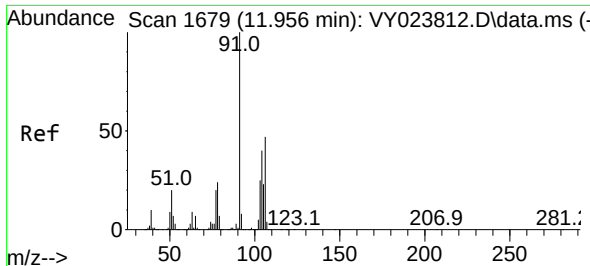
Tgt Ion:106 Resp: 1201612

Ion Ratio Lower Upper

106 100

91 199.6 159.5 239.3

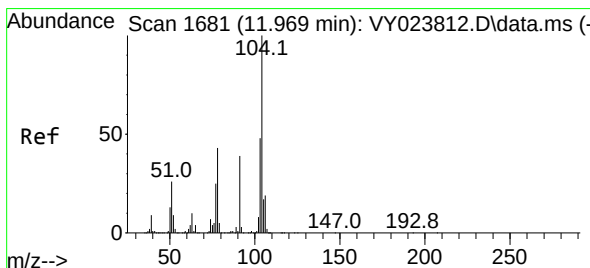
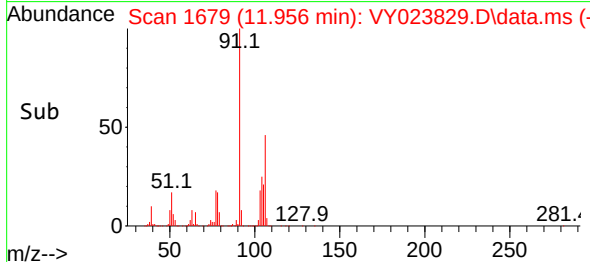
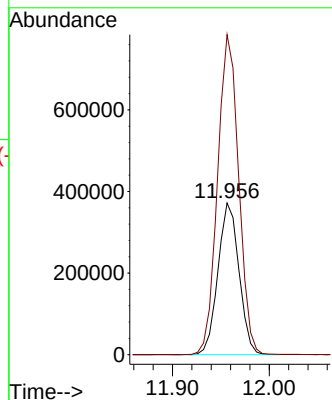
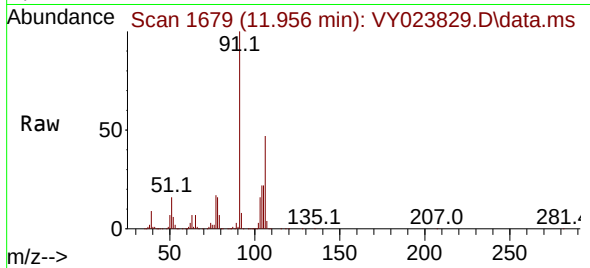




#69
o-Xylene
Concen: 56.239 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

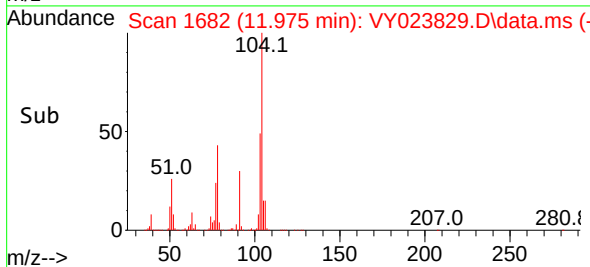
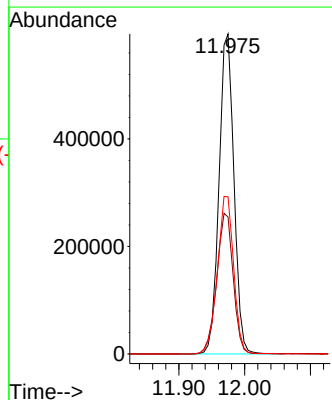
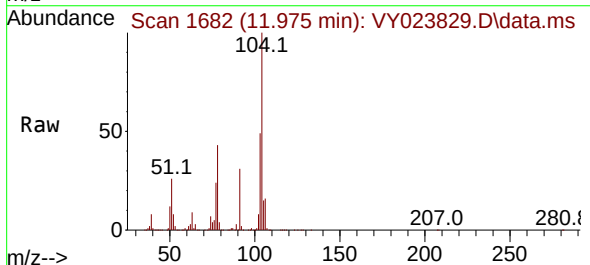
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

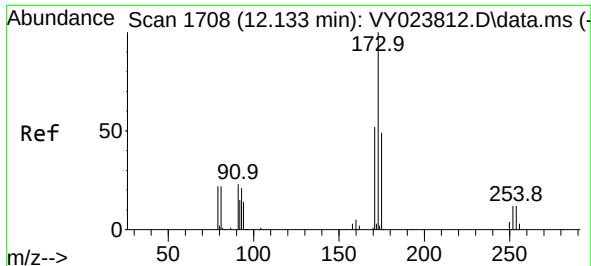
Tgt Ion:106 Resp: 561357
Ion Ratio Lower Upper
106 100
91 212.0 106.5 319.6



#70
Styrene
Concen: 57.152 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion:104 Resp: 939742
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 53.9 43.4 65.0

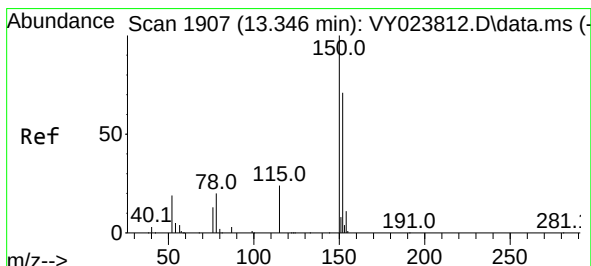
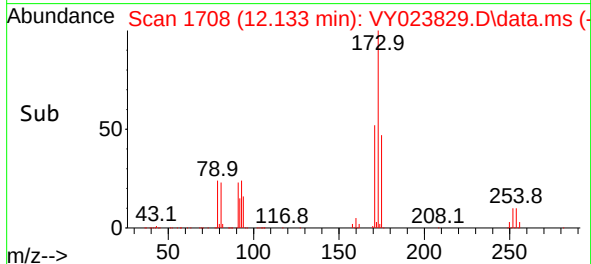
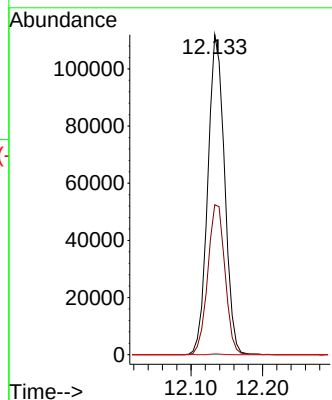
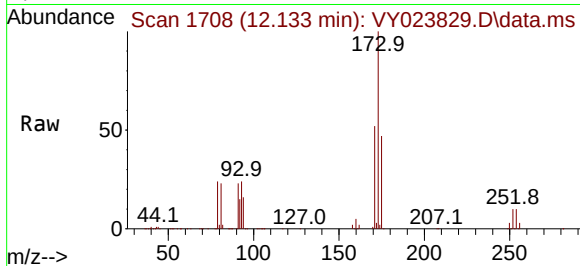




#71
Bromoform
Concen: 56.641 ug/l
RT: 12.133 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

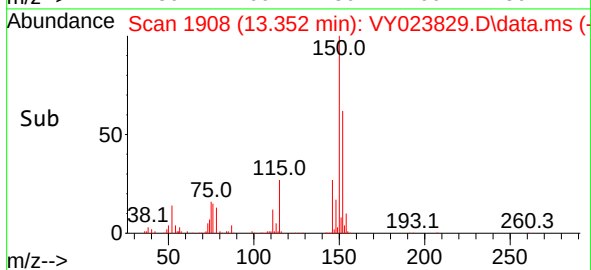
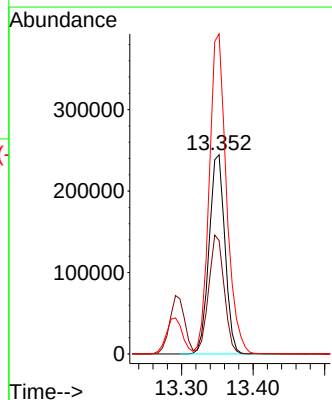
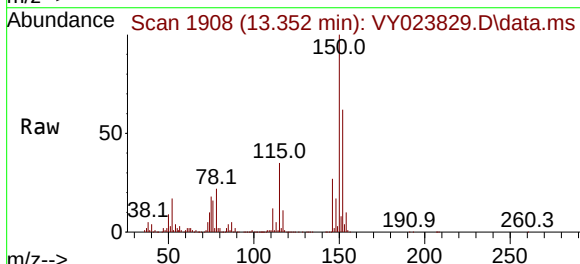
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

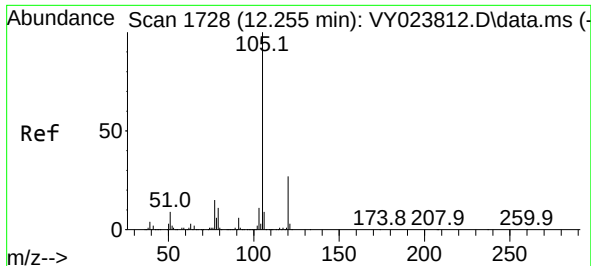
Tgt Ion:173 Resp: 181561
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.4
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion:152 Resp: 375940
Ion Ratio Lower Upper
152 100
115 58.5 28.7 86.3
150 174.7 0.0 345.6

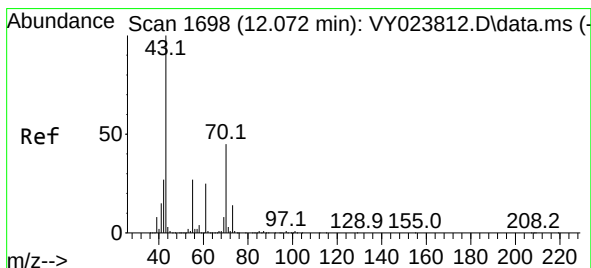
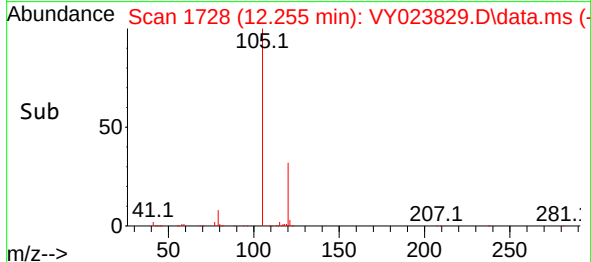
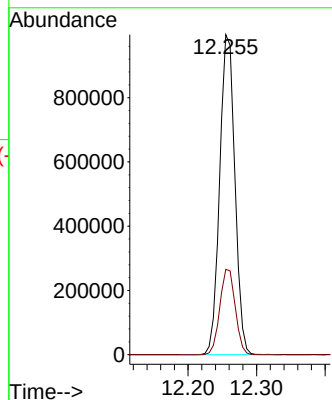
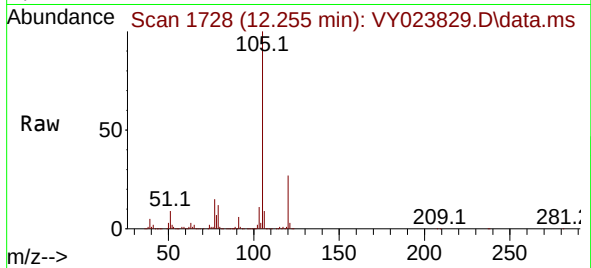




#73
Isopropylbenzene
Concen: 57.235 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

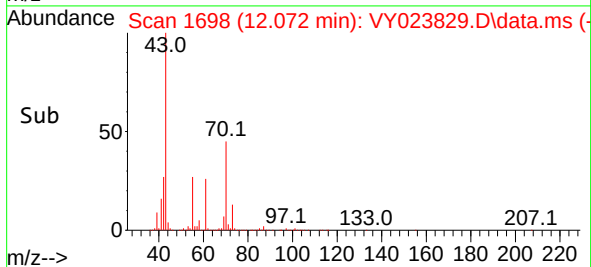
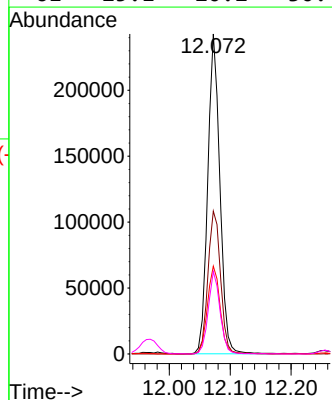
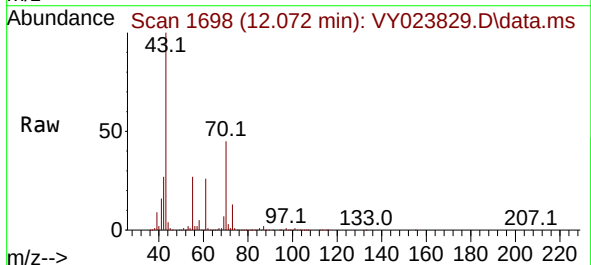
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

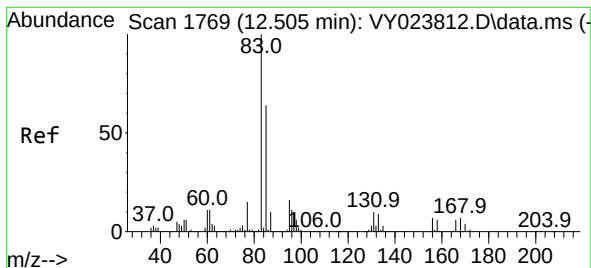
Tgt Ion:105 Resp: 1527097
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.8



#74
N-ethyl acetate
Concen: 56.270 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 43 Resp: 335419
Ion Ratio Lower Upper
43 100
70 46.5 36.2 54.2
55 29.0 21.8 32.8
61 25.1 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 56.801 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

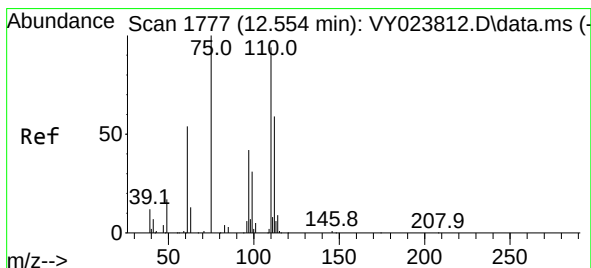
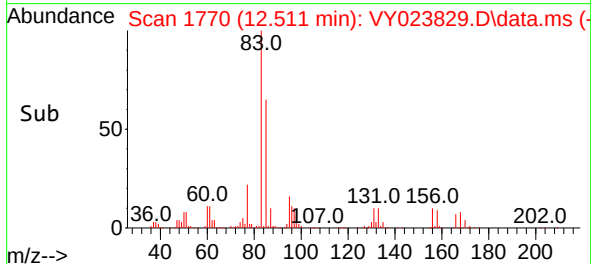
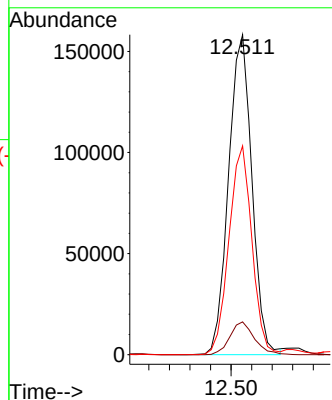
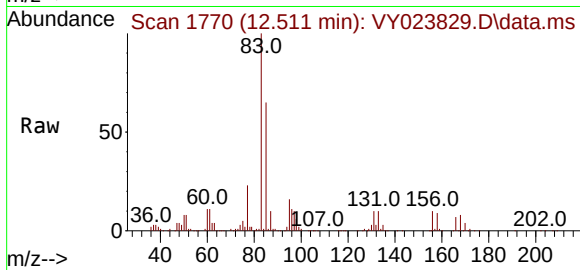
Tgt Ion: 83 Resp: 249514

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

85 64.3 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 109.021 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY023829.D

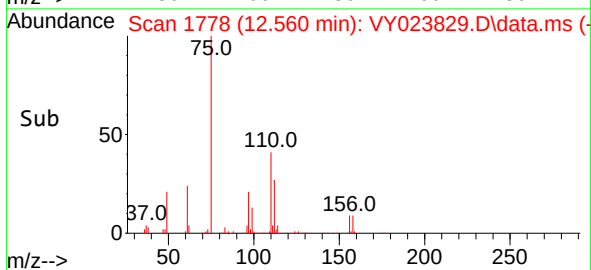
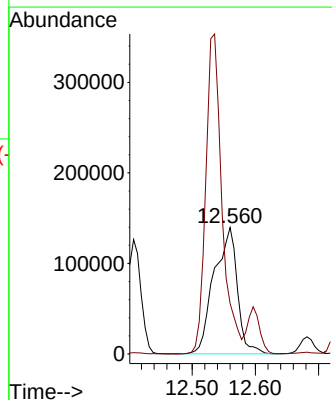
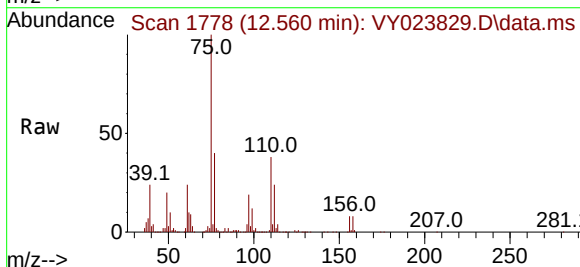
Acq: 01 Dec 2025 07:55

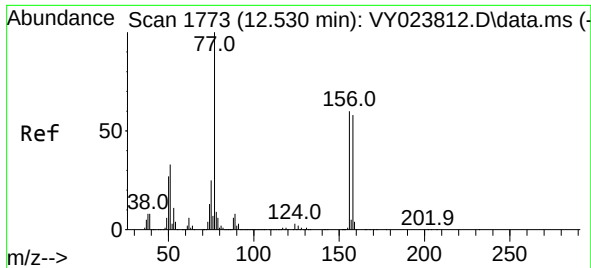
Tgt Ion: 75 Resp: 356417

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

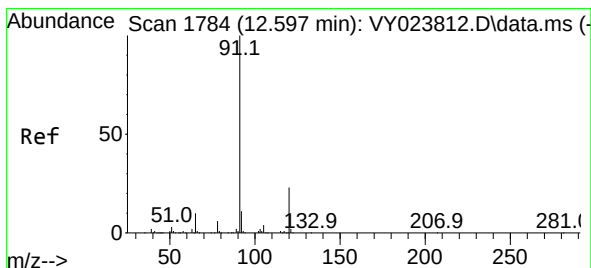
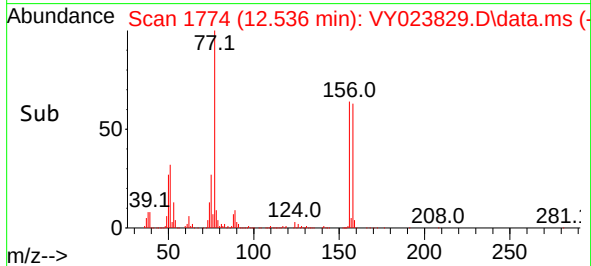
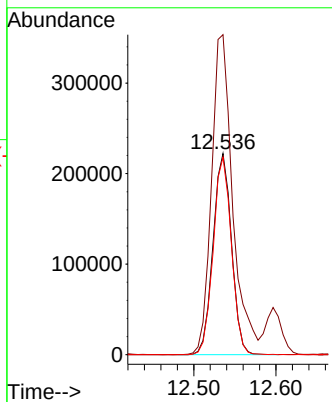
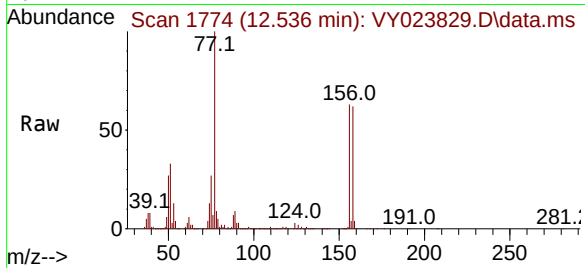




#77
Bromobenzene
Concen: 55.313 ug/l
RT: 12.536 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

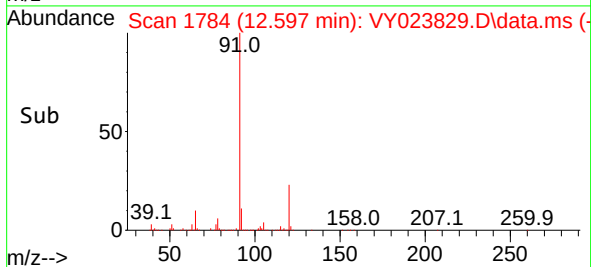
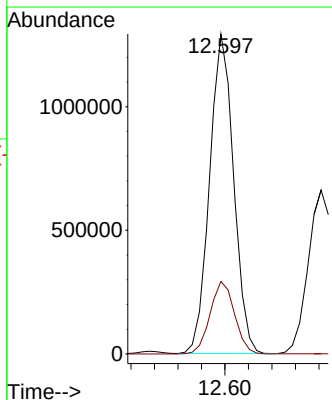
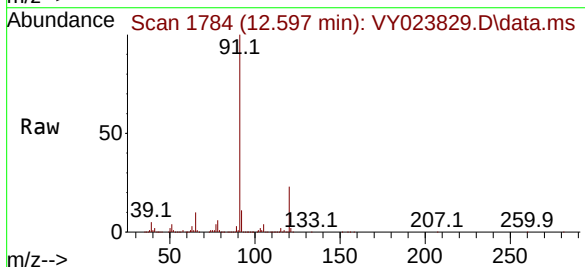
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

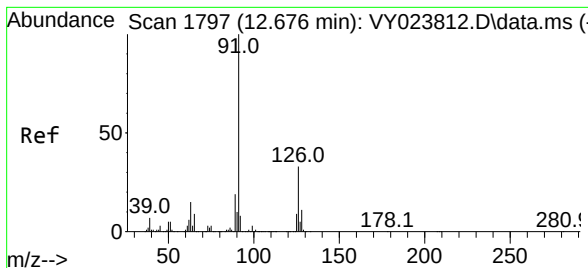
Tgt Ion:156 Resp: 347128
Ion Ratio Lower Upper
156 100
77 182.3 90.8 272.3
158 96.9 48.4 145.3



#78
n-propylbenzene
Concen: 57.211 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 91 Resp: 1837804
Ion Ratio Lower Upper
91 100
120 23.0 11.6 34.8

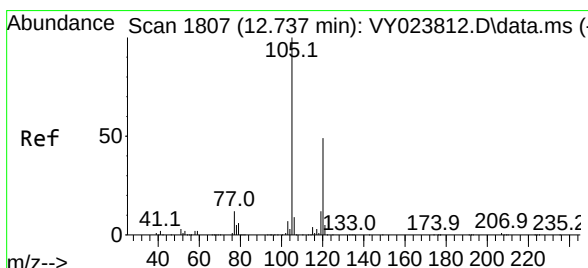
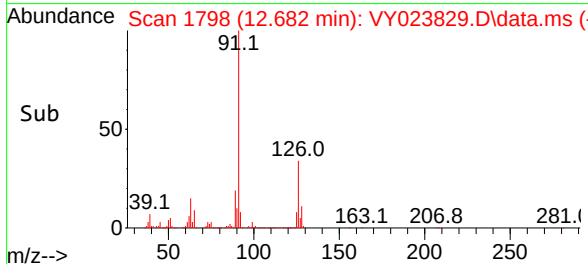
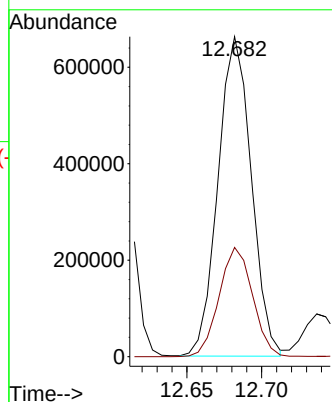
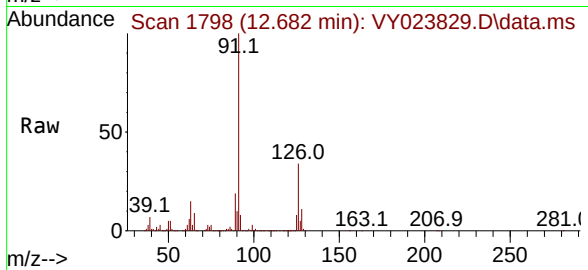




#79
2-Chlorotoluene
Concen: 55.453 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

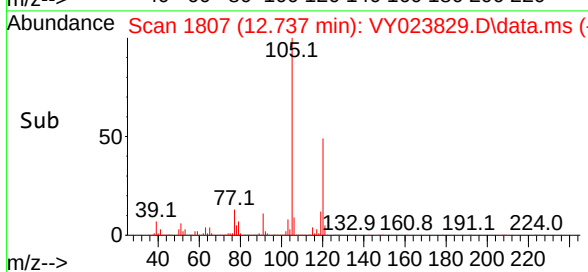
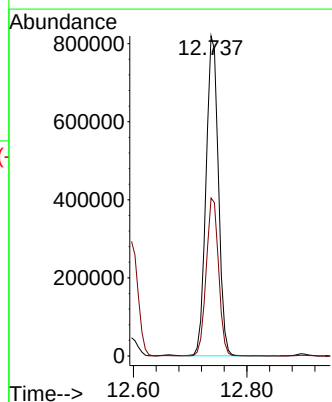
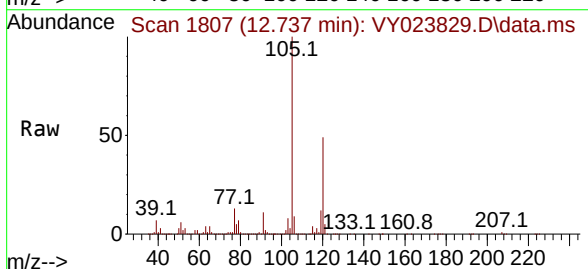
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

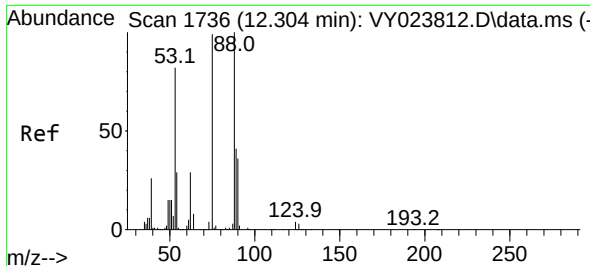
Tgt Ion: 91 Resp: 1025232
Ion Ratio Lower Upper
91 100
126 34.4 17.0 50.9



#80
1,3,5-Trimethylbenzene
Concen: 56.849 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 105 Resp: 1238236
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.8

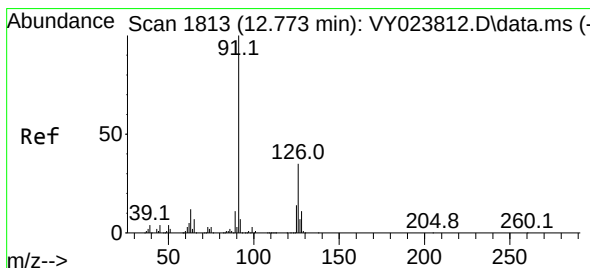
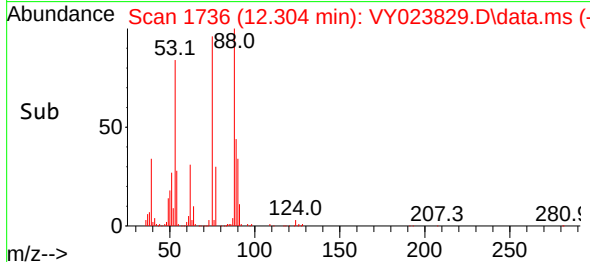
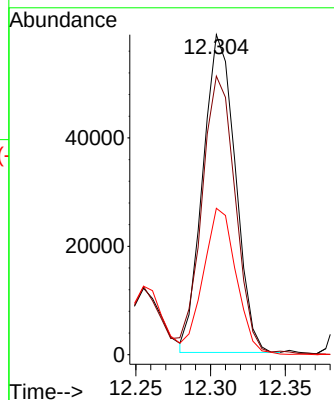
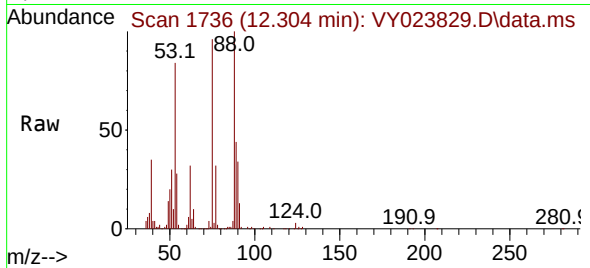




#81
trans-1,4-Dichloro-2-butene
Concen: 57.170 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

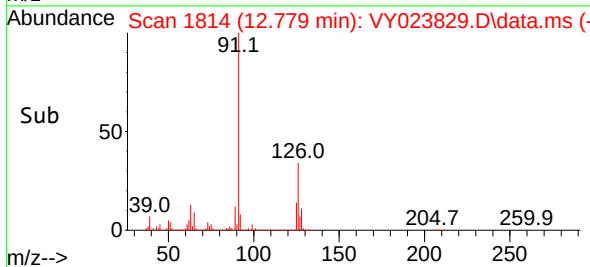
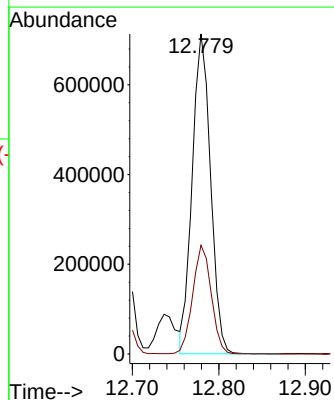
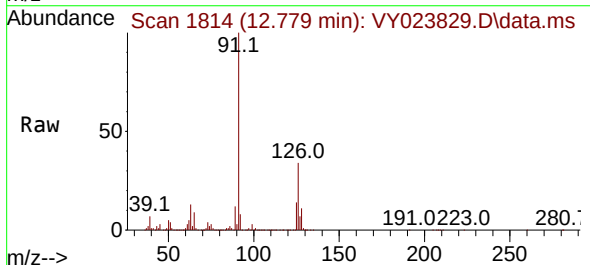
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

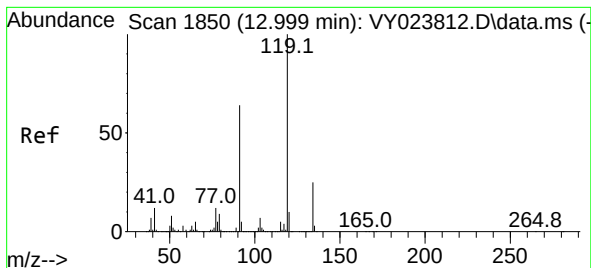
Tgt Ion: 75 Resp: 88424
Ion Ratio Lower Upper
75 100
53 91.9 71.3 106.9
89 47.0 37.0 55.4



#82
4-Chlorotoluene
Concen: 55.156 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion: 91 Resp: 1047263
Ion Ratio Lower Upper
91 100
126 34.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 57.075 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

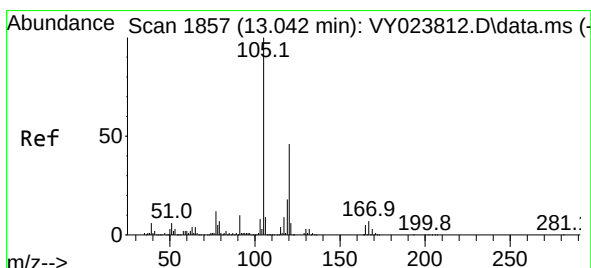
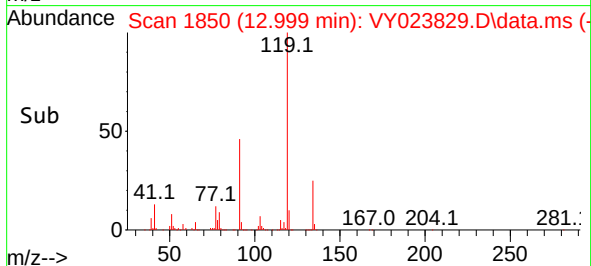
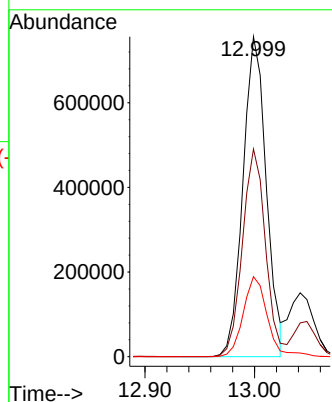
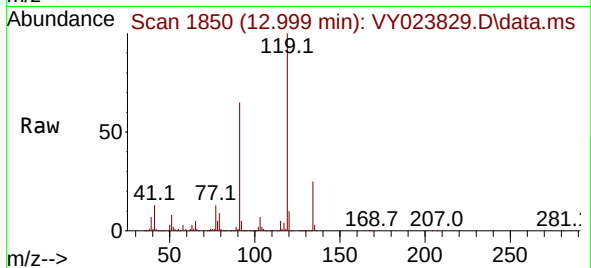
Tgt Ion:119 Resp: 1116803

Ion Ratio Lower Upper

119 100

91 64.4 32.0 96.0

134 25.9 12.8 38.4



#84

1,2,4-Trimethylbenzene

Concen: 56.354 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VY023829.D

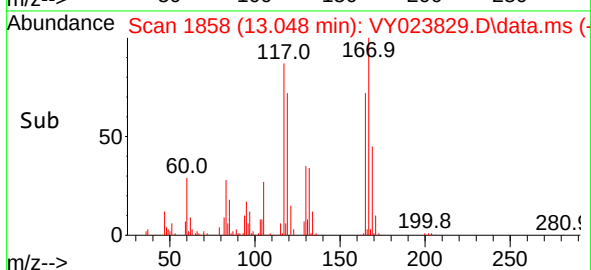
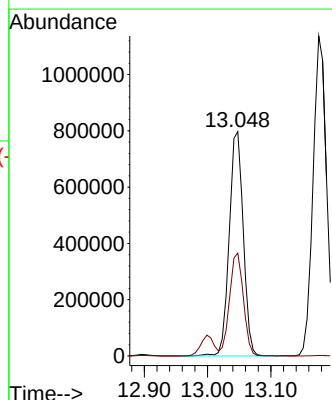
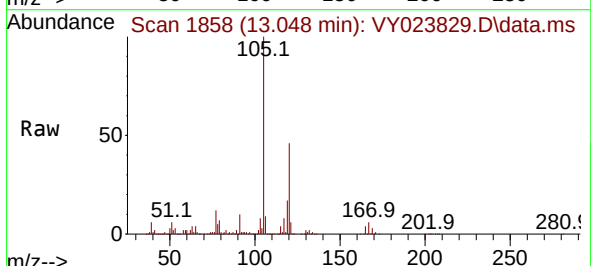
Acq: 01 Dec 2025 07:55

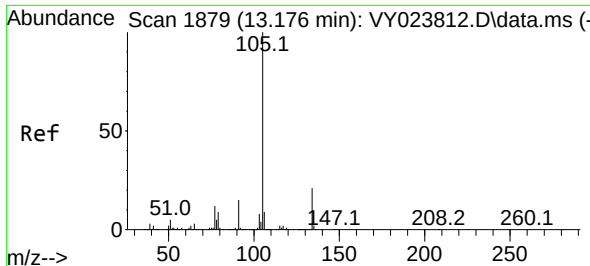
Tgt Ion:105 Resp: 1226704

Ion Ratio Lower Upper

105 100

120 45.3 22.5 67.5

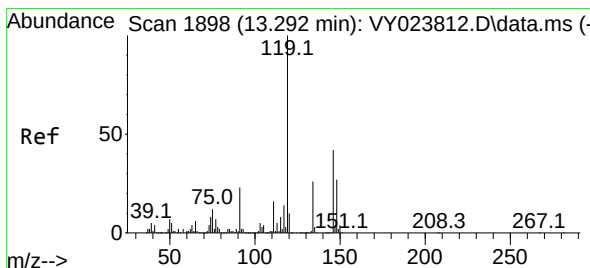
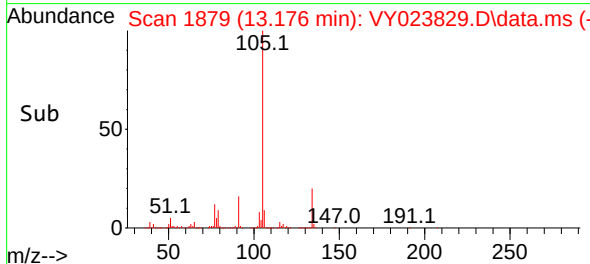
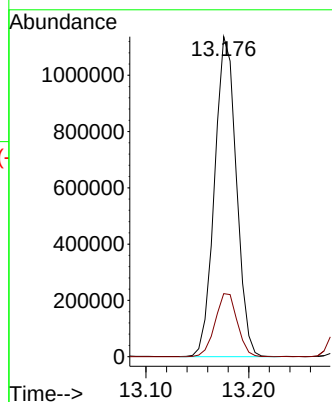
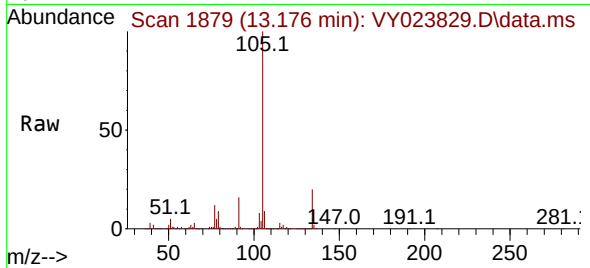




#85
 sec-Butylbenzene
 Concen: 57.888 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

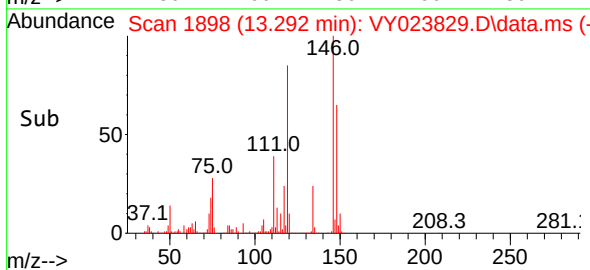
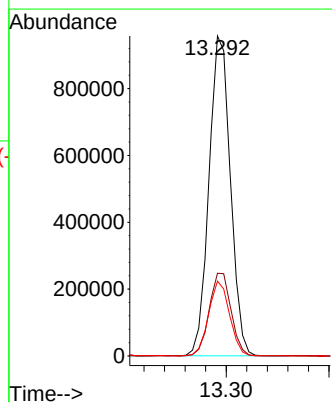
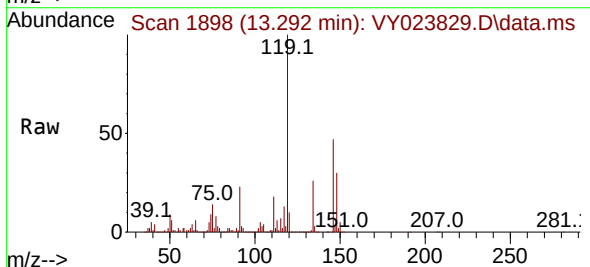
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

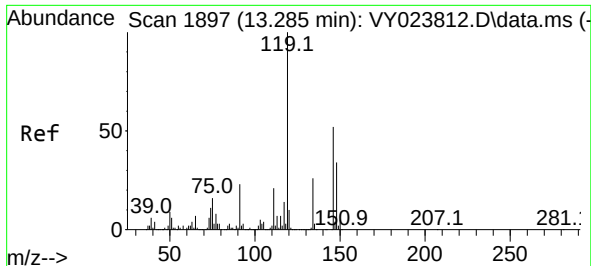
Tgt Ion:105 Resp: 1672023
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 57.408 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023829.D
 Acq: 01 Dec 2025 07:55

Tgt Ion:119 Resp: 1385976
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 22.9 11.5 34.4

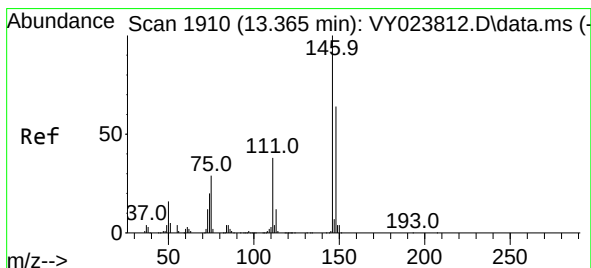
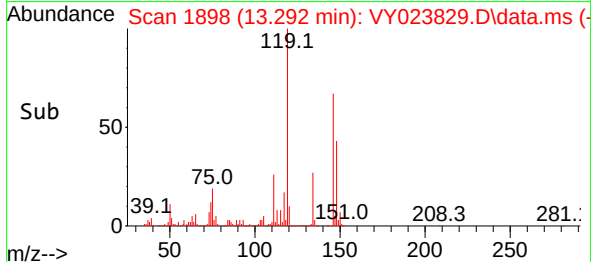
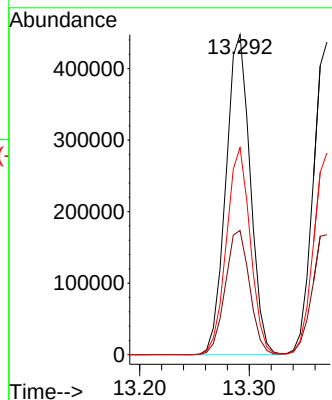
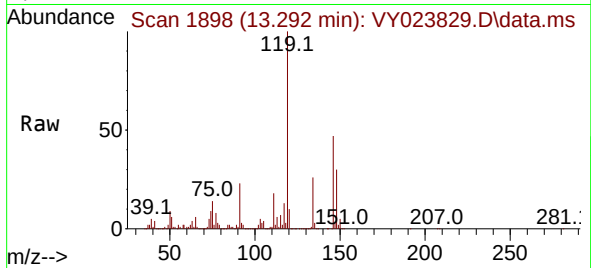




#87
1,3-Dichlorobenzene
Concen: 54.819 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

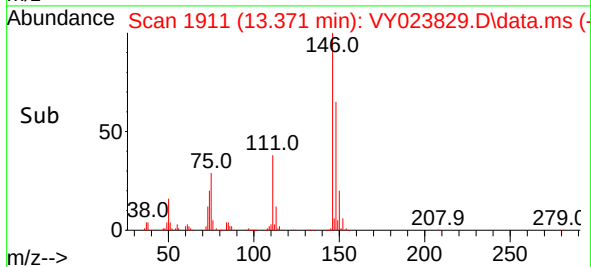
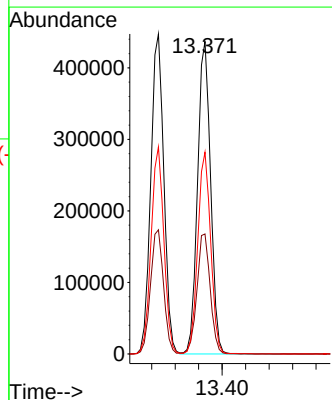
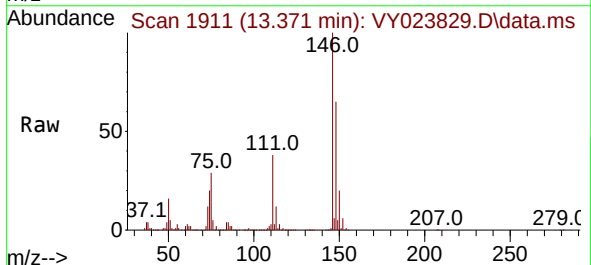
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

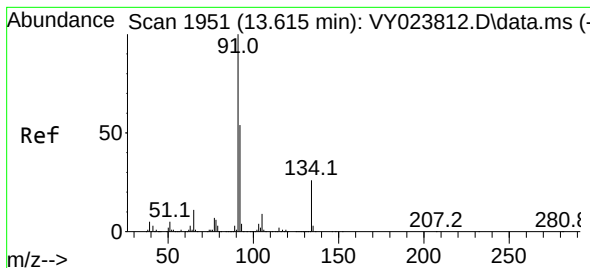
Tgt Ion:146 Resp: 689486
Ion Ratio Lower Upper
146 100
111 39.0 20.0 60.0
148 63.5 32.0 96.2



#88
1,4-Dichlorobenzene
Concen: 53.540 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY023829.D
Acq: 01 Dec 2025 07:55

Tgt Ion:146 Resp: 672165
Ion Ratio Lower Upper
146 100
111 39.0 19.4 58.2
148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 57.933 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

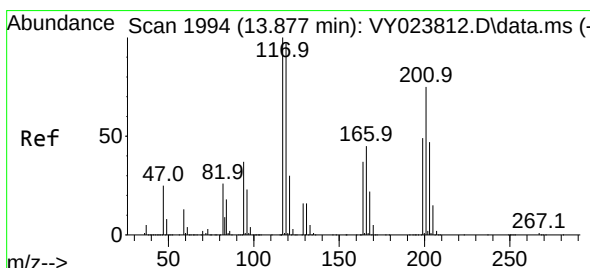
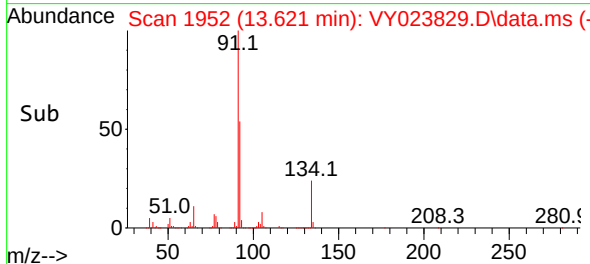
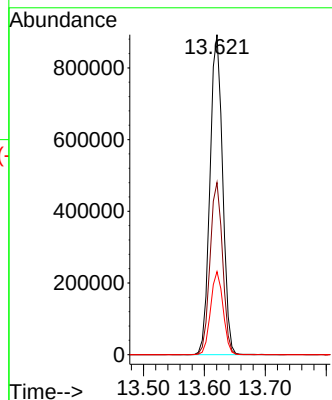
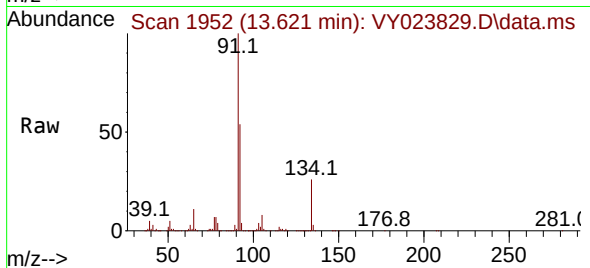
MSVOA_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1282431

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	25.7	13.0	39.0



#90

Hexachloroethane

Concen: 55.326 ug/l

RT: 13.883 min Scan# 1995

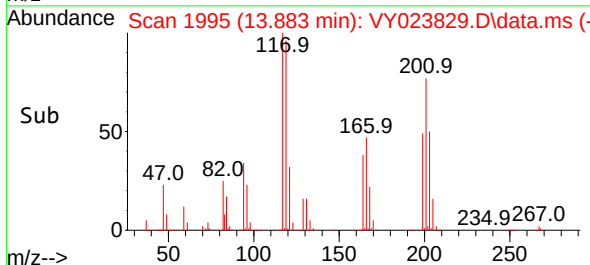
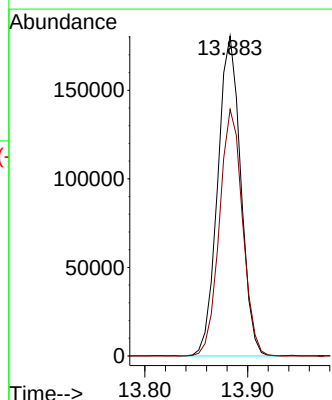
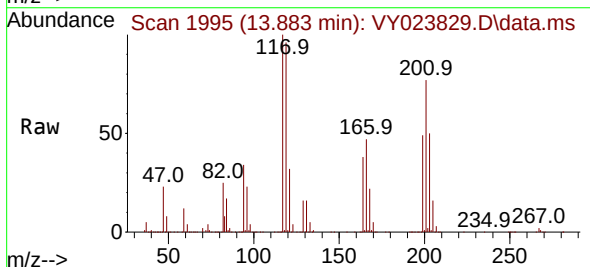
Delta R.T. 0.006 min

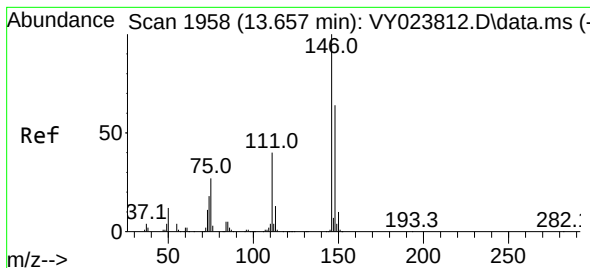
Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Tgt Ion: 117 Resp: 280638

Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.6	115.8





#91

1,2-Dichlorobenzene

Concen: 54.906 ug/l

RT: 13.663 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

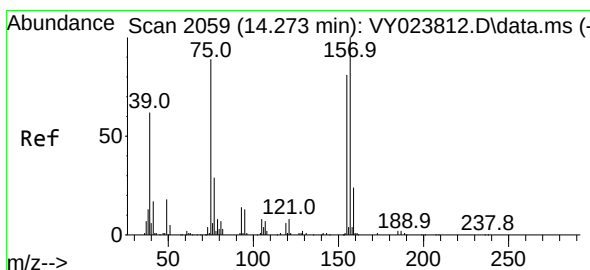
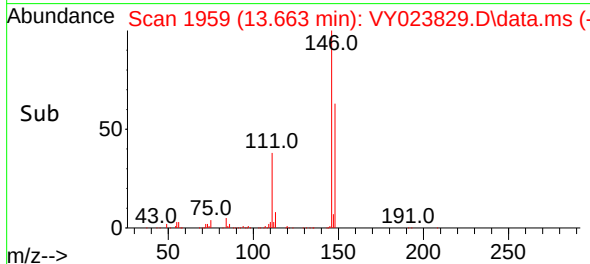
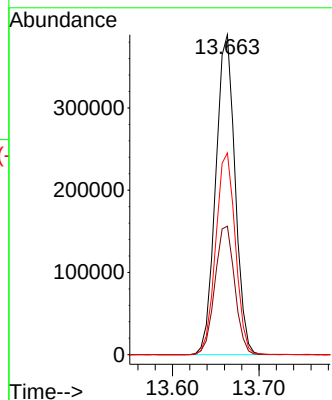
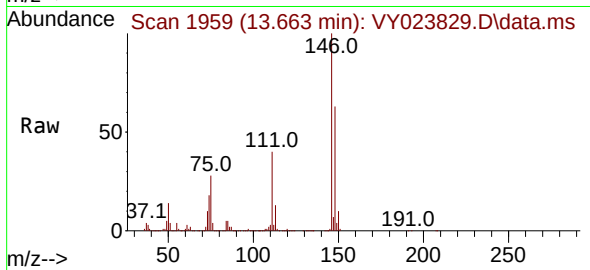
Tgt Ion:146 Resp: 603900

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.5

148 64.1 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.888 ug/l

RT: 14.279 min Scan# 2060

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

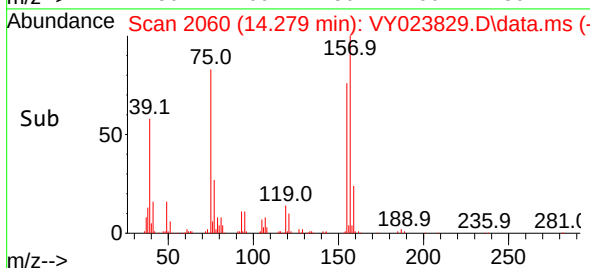
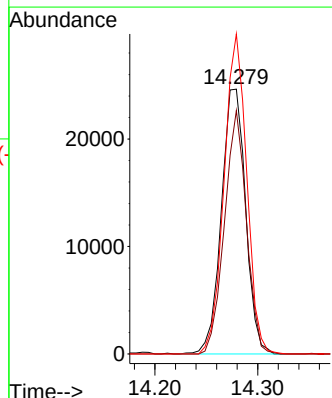
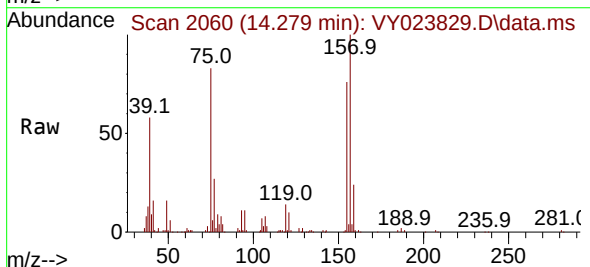
Tgt Ion: 75 Resp: 40358

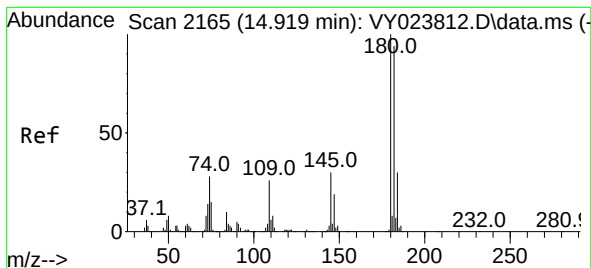
Ion Ratio Lower Upper

75 100

155 83.2 44.0 132.1

157 112.6 54.6 163.8





#93

1,2,4-Trichlorobenzene

Concen: 54.733 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

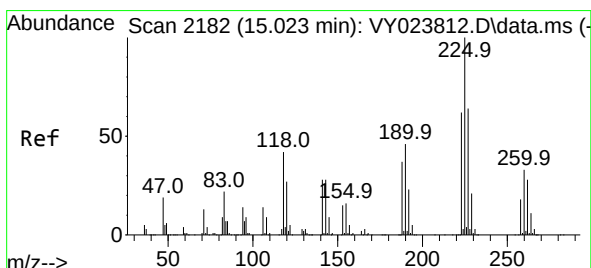
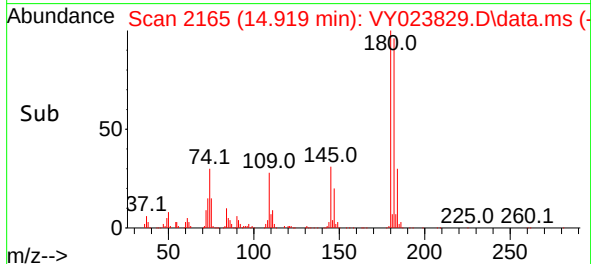
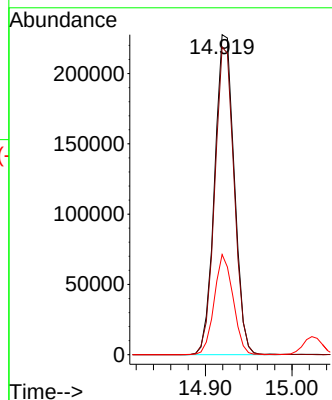
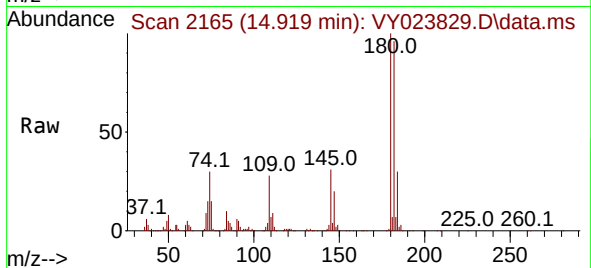
Tgt Ion:180 Resp: 358930

Ion Ratio Lower Upper

180 100

182 94.8 47.2 141.6

145 30.0 15.4 46.2



#94

Hexachlorobutadiene

Concen: 53.968 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

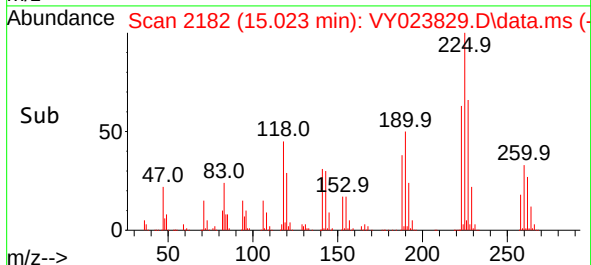
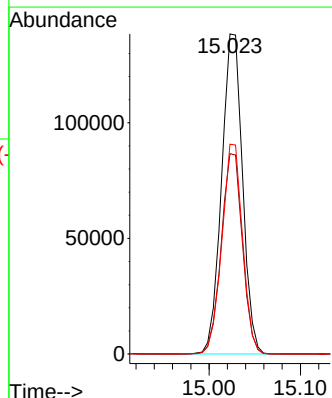
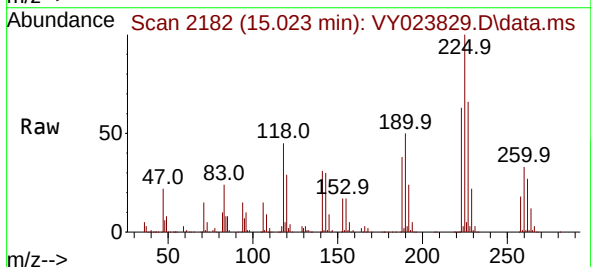
Tgt Ion:225 Resp: 220403

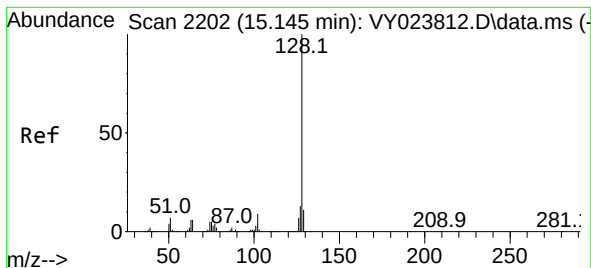
Ion Ratio Lower Upper

225 100

223 63.4 31.9 95.9

227 64.8 32.8 98.3





#95

Naphthalene

Concen: 58.337 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

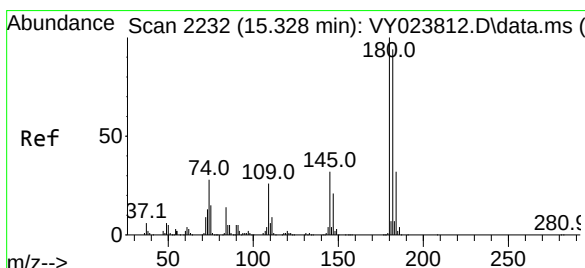
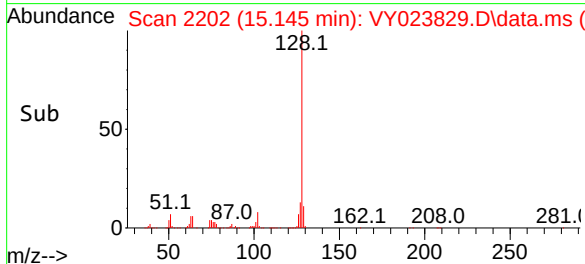
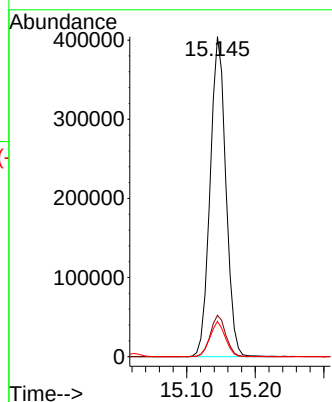
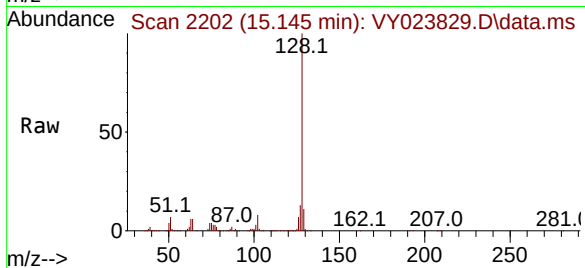
Tgt Ion:128 Resp: 645182

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 55.565 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY023829.D

Acq: 01 Dec 2025 07:55

Tgt Ion:180 Resp: 310339

Ion Ratio Lower Upper

180 100

182 93.5 48.0 144.2

145 32.3 16.5 49.5

