

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023981.D
 Acq On : 15 Dec 2025 17:06
 Operator : SY/MD
 Sample : Q3864-24
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025

Quant Time: Dec 16 02:18:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	110105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	143923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	102793	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	92922	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	33666	34.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.160%
35) Dibromofluoromethane	7.640	113	40771	43.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.680%
50) Toluene-d8	10.109	98	593947	169.566	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	339.140%#
62) 4-Bromofluorobenzene	12.402	95	245793	210.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	420.240%#

Target Compounds					Qvalue	
5) Bromomethane	2.617	94	1160	1.124	ug/l	96
11) Tert butyl alcohol	4.866	59	124	2.200	ug/l #	71
16) Acetone	3.867	43	16818	39.429	ug/l	100
20) Methylene Chloride	4.629	84	8237	7.192	ug/l #	82
25) 2-Butanone	6.909	43	8100	26.924	ug/l #	86
31) Cyclohexane	7.713	56	126620	75.844	ug/l	95
36) 1,1-Dichloropropene	7.720	75	7167	5.596	ug/l #	62
37) Ethyl Acetate	7.006	43	590	1.131	ug/l #	67
38) Carbon Tetrachloride	7.720	117	9508	6.124	ug/l #	17
39) Methylcyclohexane	9.116	83	3330368	1946.202	ug/l	99
40) Benzene	8.085	78	33271	8.530	ug/l	94
41) Methacrylonitrile	7.457	41	6520	22.724	ug/l #	45
42) 1,2-Dichloroethane	8.201	62	1203	1.176	ug/l #	1
43) Isopropyl Acetate	8.195	43	93814	95.504	ug/l #	58
45) 1,2-Dichloropropane	9.116	63	29352	33.353	ug/l #	1
47) Bromodichloromethane	9.396	83	40851	29.960	ug/l #	56
48) Methyl methacrylate	9.177	41	137564	300.826	ug/l #	29
49) 1,4-Dioxane	9.122	88	46	7.961	ug/l #	1
51) 4-Methyl-2-Pentanone	10.042	43	16511	31.724	ug/l #	82
52) Toluene	10.176	92	160015	61.998	ug/l	96
55) 1,1,2-Trichloroethane	10.554	97	1159843	1625.805	ug/l #	21
56) Ethyl methacrylate	10.457	69	525581	621.455	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.701	63	1754	4.788	ug/l #	43
59) 2-Hexanone	10.737	43	1719810	4353.901	ug/l #	26
60) Dibromochloromethane	10.835	129	5223	5.288	ug/l	73
61) 1,2-Dibromoethane	11.018	107	2473	3.741	ug/l #	1
65) Chlorobenzene	11.463	112	6612	2.776	ug/l #	47
67) Ethyl Benzene	11.524	91	22735	5.697	ug/l	90
68) m/p-Xylenes	11.633	106	27643	17.448	ug/l #	49
69) o-Xylene	11.963	106	5693	3.841	ug/l #	1
73) Isopropylbenzene	12.261	105	778039	114.571	ug/l	100
74) N-amyl acetate	12.054	43	2663521	2211.220	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.487	83	295184	285.470	ug/l #	26
76) 1,2,3-Trichloropropane	12.597	75	5327	6.777	ug/l #	100
78) n-propylbenzene	12.597	91	636868	80.606	ug/l	95
79) 2-Chlorotoluene	12.664	91	57029	12.707	ug/l #	64

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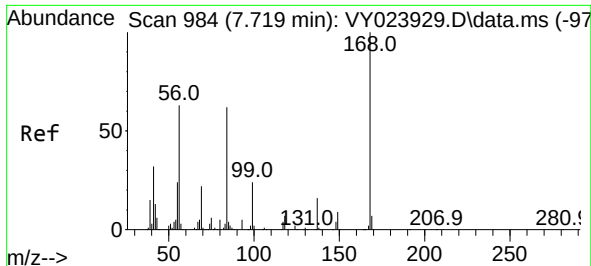
Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025

Quant Time: Dec 16 02:18:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

80) 1,3,5-Trimethylbenzene	12.902	105	34850	6.433	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.255	75	8801	25.487	ug/l #	1
82) 4-Chlorotoluene	12.664	91	42024	9.096	ug/l	73
83) tert-Butylbenzene	12.999	119	173603	34.681	ug/l	82
84) 1,2,4-Trimethylbenzene	13.048	105	93772	17.472	ug/l	99
85) sec-Butylbenzene	13.182	105	1454242	199.157	ug/l	79
86) p-Isopropyltoluene	13.450	119	304412	49.251	ug/l	99
89) n-Butylbenzene	13.621	91	402860	74.500	ug/l	95
90) Hexachloroethane	13.895	117	160962	127.622	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.298	75	1835	11.462	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.919	180	1670	1.002	ug/l #	1

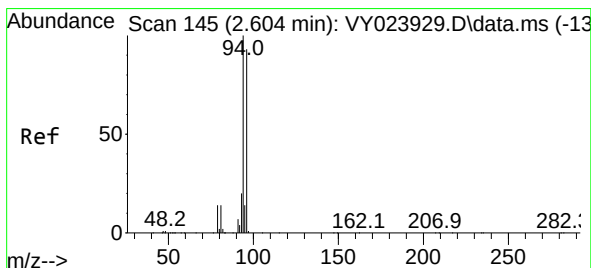
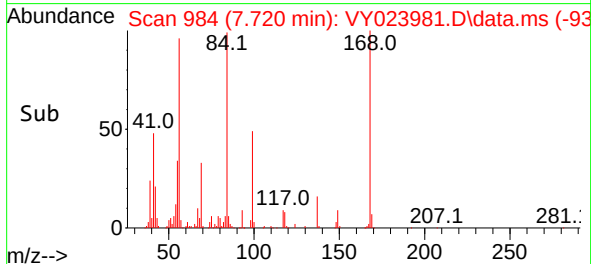
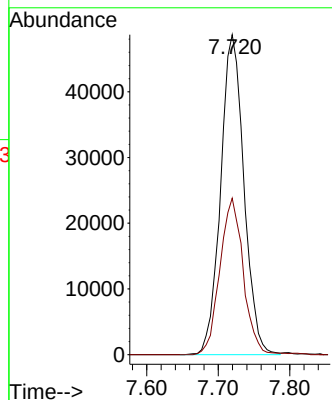
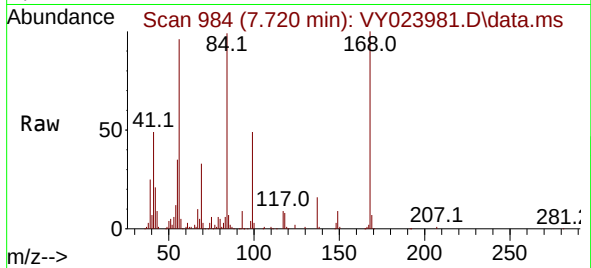
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

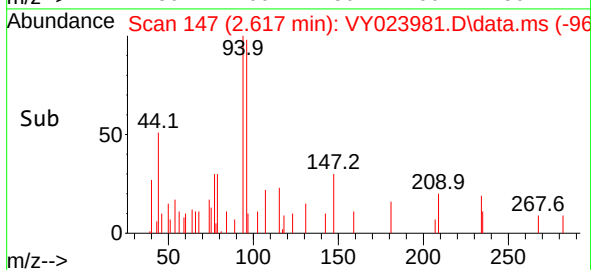
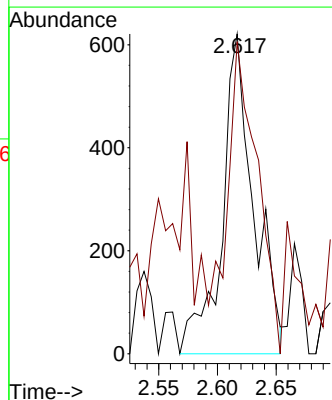
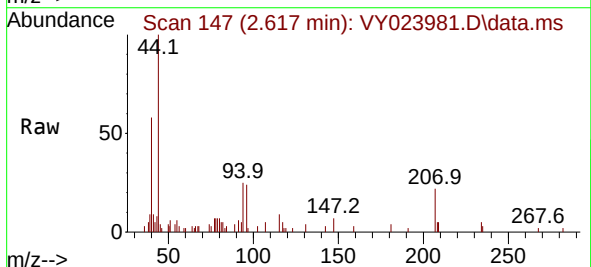
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

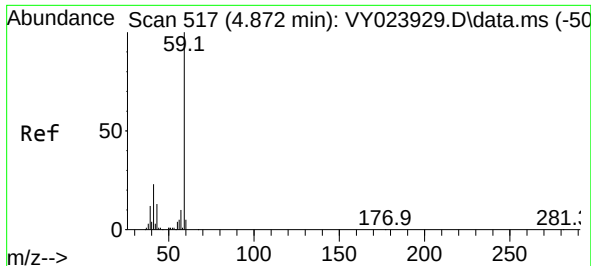
Tgt Ion:168 Resp: 110105
Ion Ratio Lower Upper
168 100
99 48.9 38.9 58.3



#5
Bromomethane
Concen: 1.124 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 94 Resp: 1160
Ion Ratio Lower Upper
94 100
96 97.6 74.8 112.2

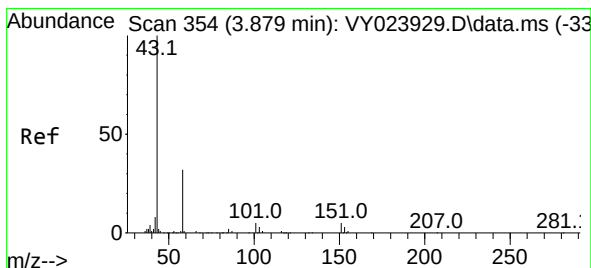
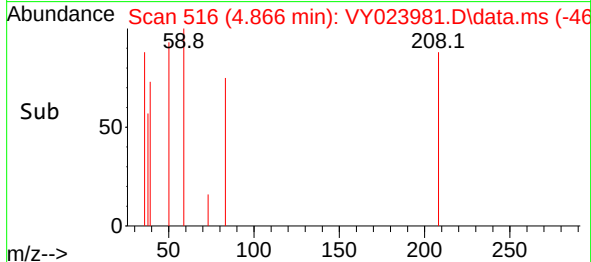
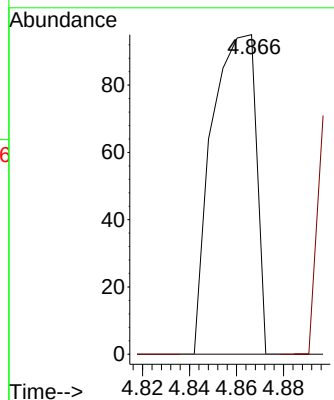
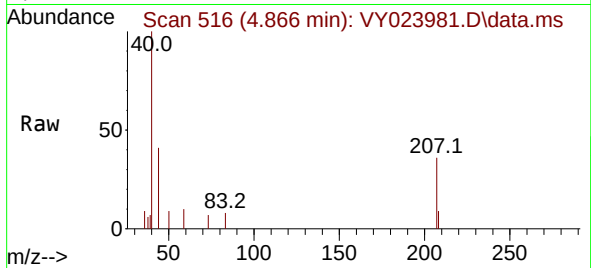




#11
Tert butyl alcohol
Concen: 2.200 ug/l
RT: 4.866 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

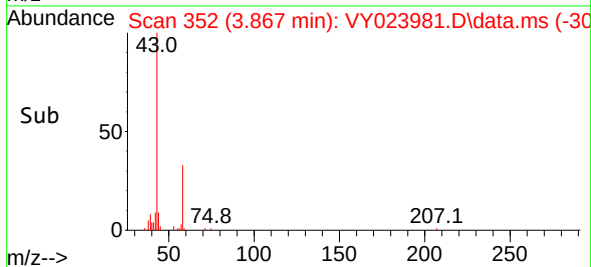
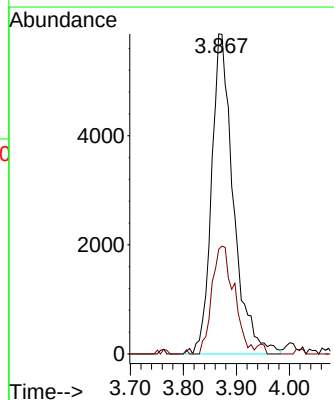
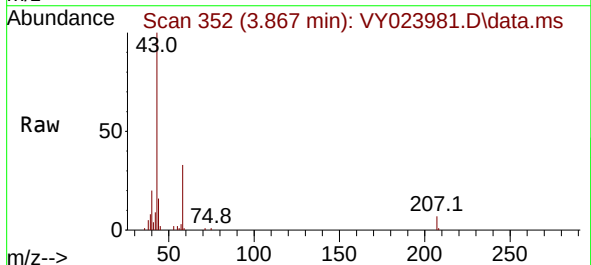
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

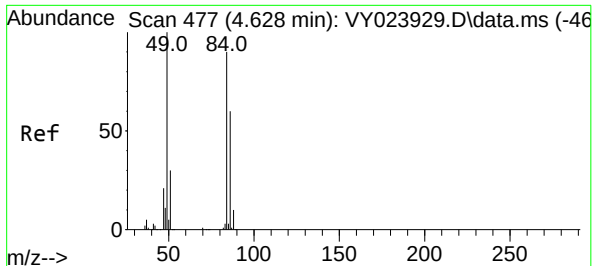
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 39.429 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 43 Resp: 16818
Ion Ratio Lower Upper
43 100
58 32.7 26.4 39.6

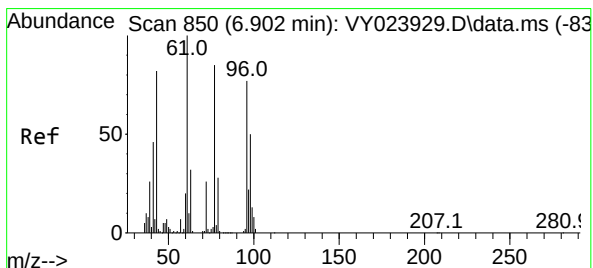
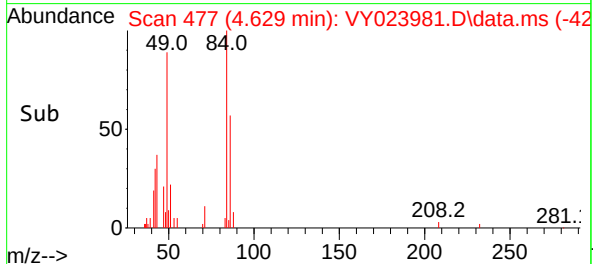
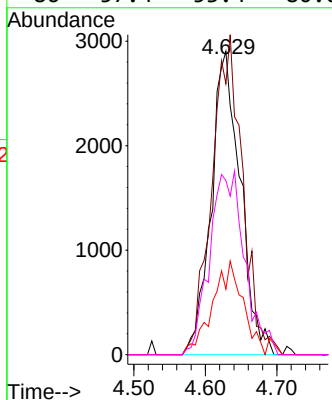
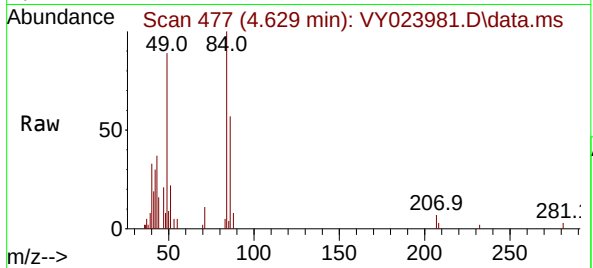




#20
Methylene Chloride
Concen: 7.192 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

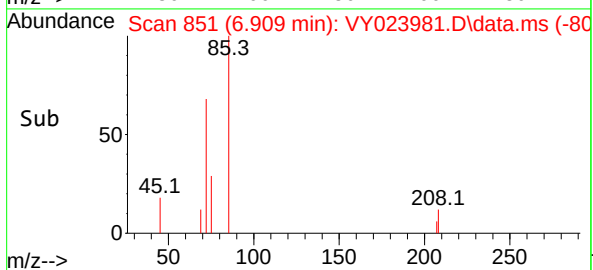
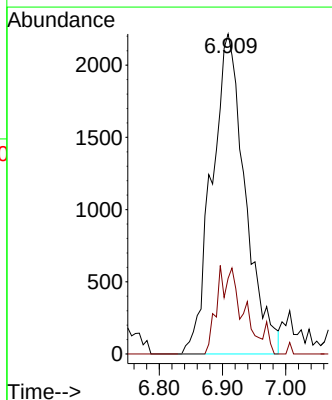
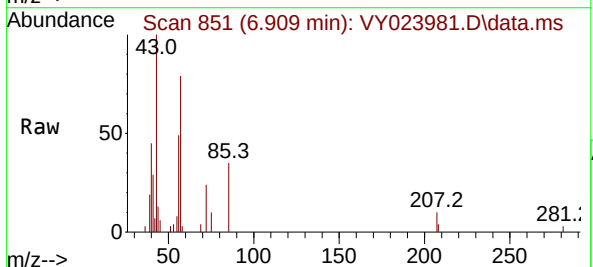
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

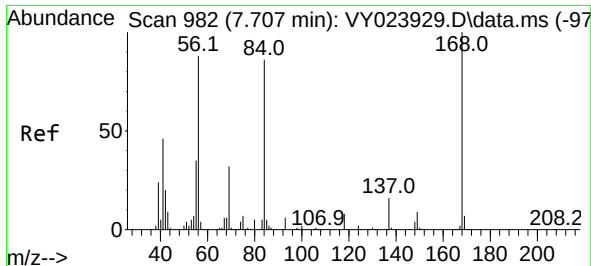
Tgt Ion:	84	Resp:	8237
Ion	Ratio	Lower	Upper
84	100		
49	89.4	89.1	133.7
51	21.6	26.6	39.8#
86	57.4	53.4	80.0



#25
2-Butanone
Concen: 26.924 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:	43	Resp:	8100
Ion	Ratio	Lower	Upper
43	100		
72	23.6	25.0	37.6#

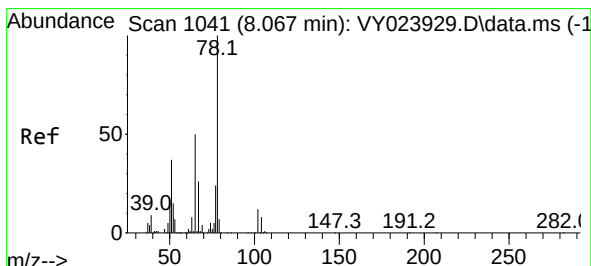
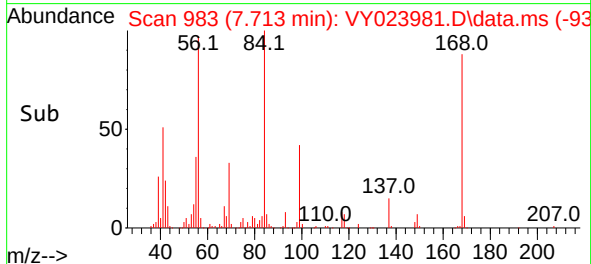
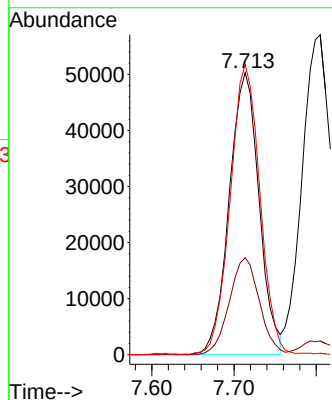
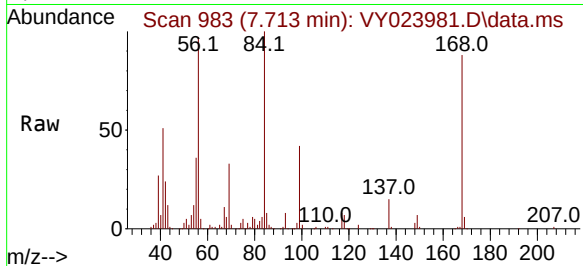




#31
Cyclohexane
Concen: 75.844 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

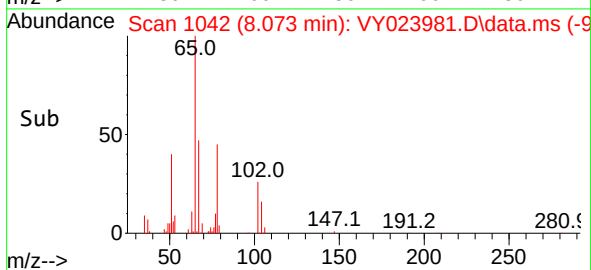
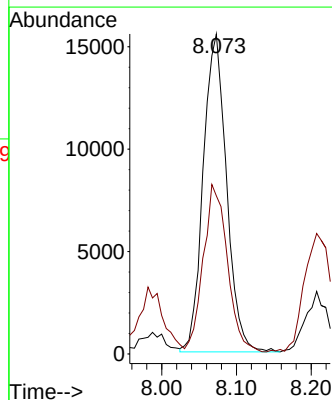
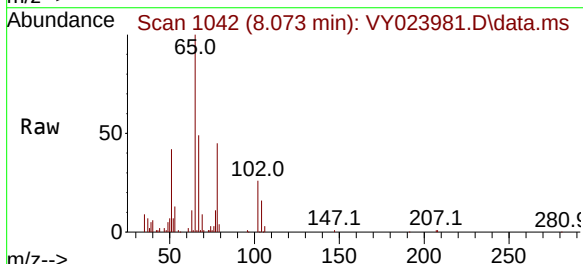
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ClientSampleId :
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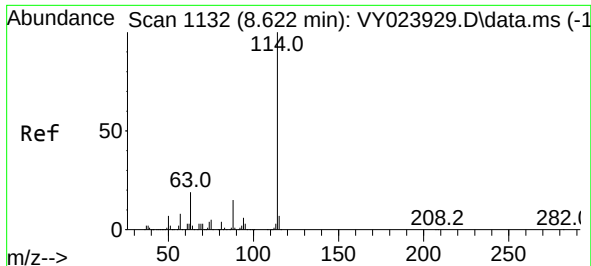
Tgt Ion: 56 Resp: 126620
Ion Ratio Lower Upper
56 100
69 34.4 29.1 43.7
84 102.9 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 34.583 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 65 Resp: 33666
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.2

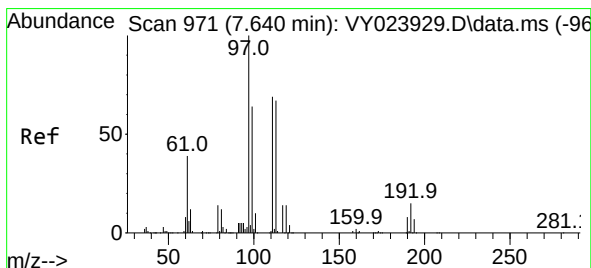
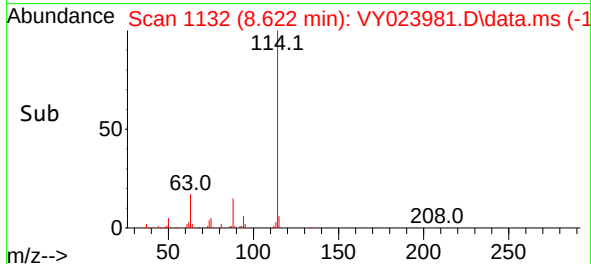
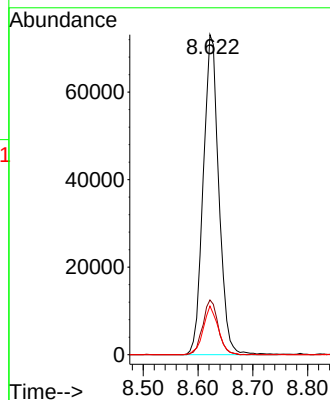
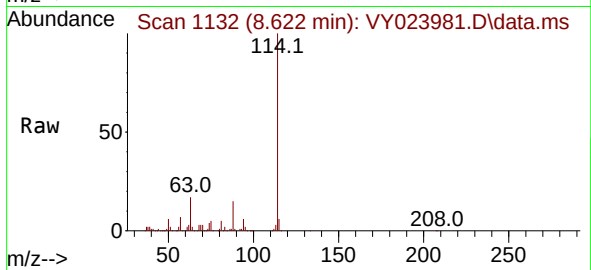




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

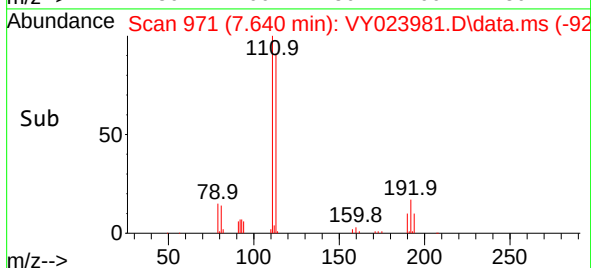
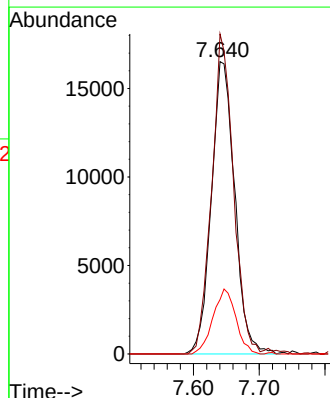
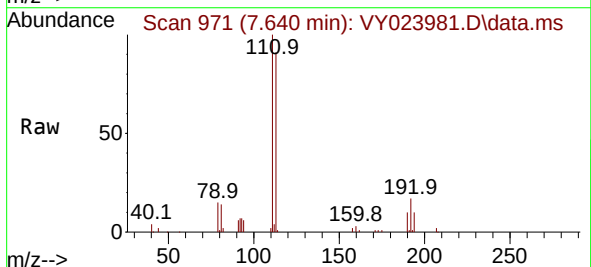
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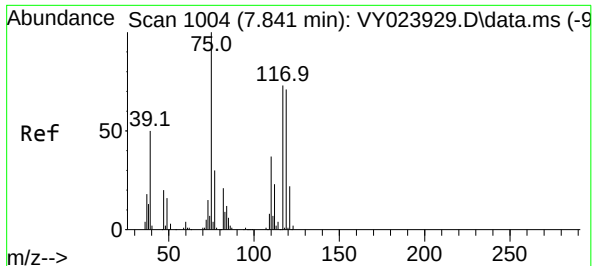
Tgt Ion:	114	Resp:	143923
Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	37.2
88	15.2	0.0	29.4



#35
Dibromofluoromethane
Concen: 43.336 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:	113	Resp:	40771
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	21.8	17.9	26.9





#36

1,1-Dichloropropene

Concen: 5.596 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

B145(8-10)121025

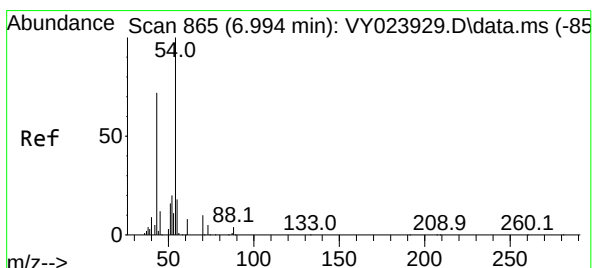
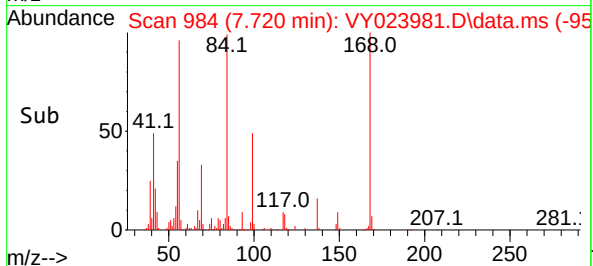
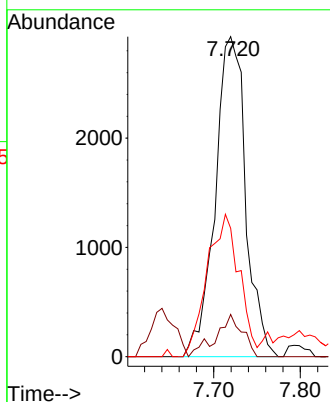
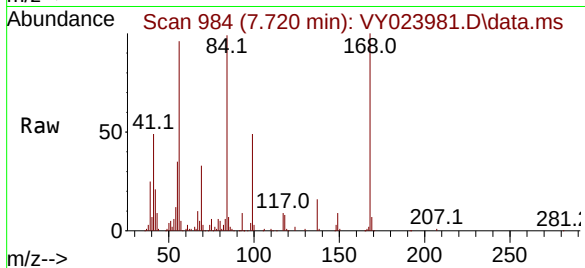
Tgt Ion: 75 Resp: 7167

Ion Ratio Lower Upper

75 100

110 11.5 19.2 57.6#

77 46.7 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.131 ug/l

RT: 7.006 min Scan# 867

Delta R.T. 0.012 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

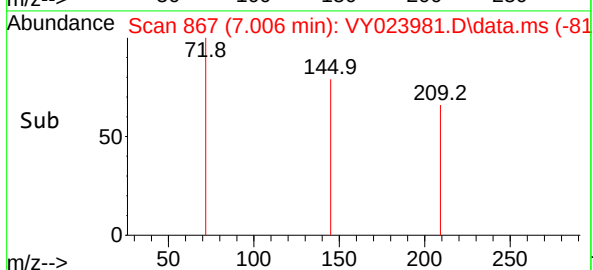
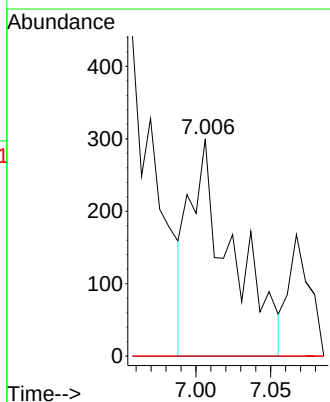
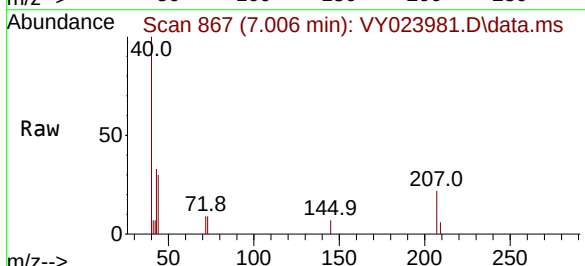
Tgt Ion: 43 Resp: 590

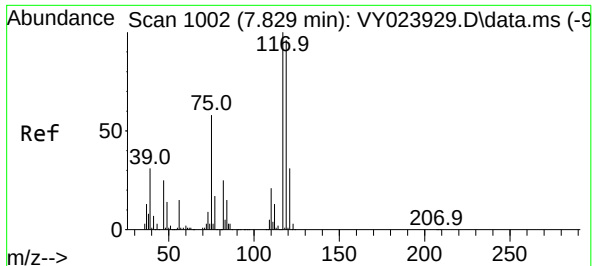
Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 9.2 13.8#

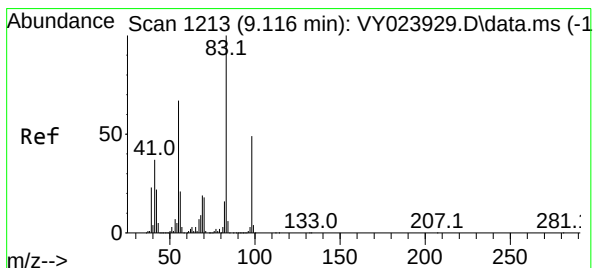
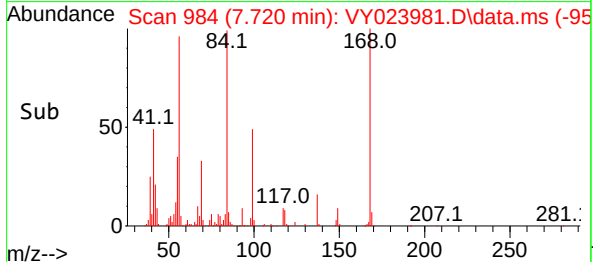
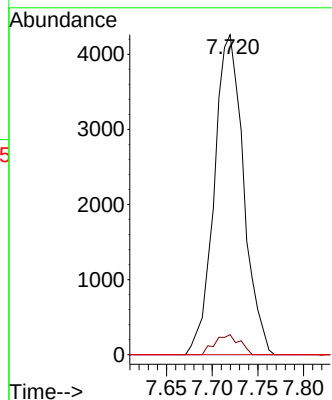
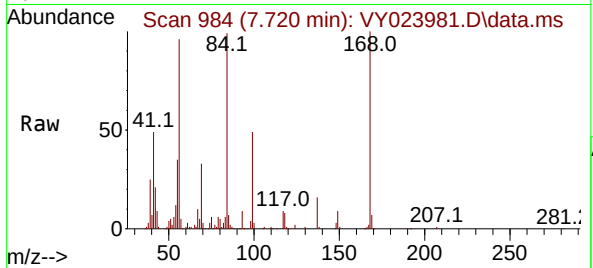




#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

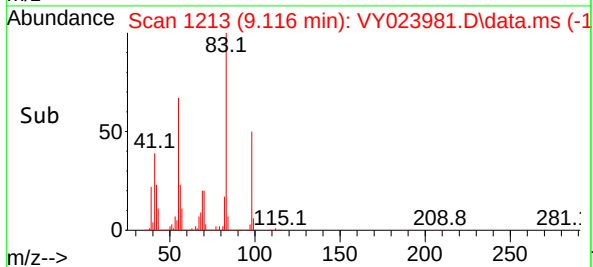
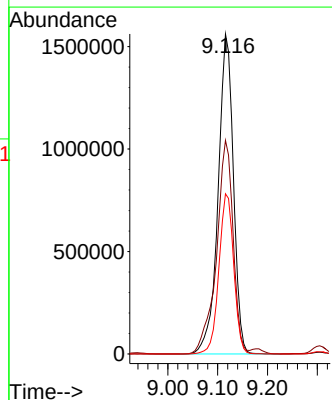
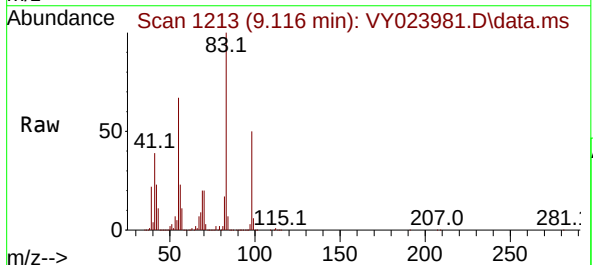
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

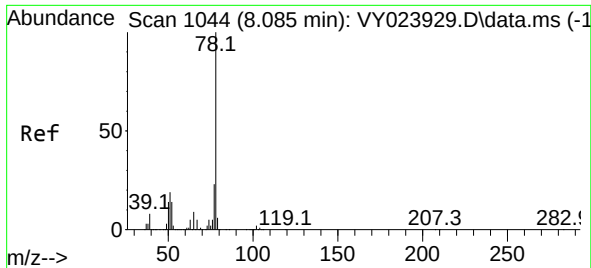
Tgt Ion:117 Resp: 9508
Ion Ratio Lower Upper
117 100
119 6.3 76.6 114.8#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1946.202 ug/l
RT: 9.116 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 83 Resp: 3330368
Ion Ratio Lower Upper
83 100
55 66.8 53.4 80.0
98 50.1 39.2 58.8

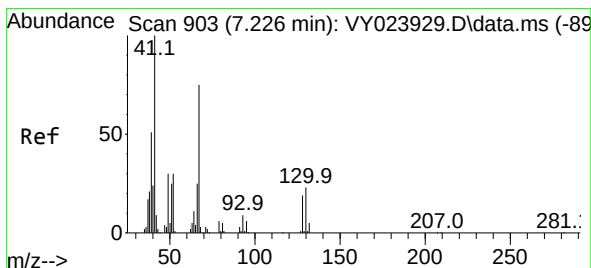
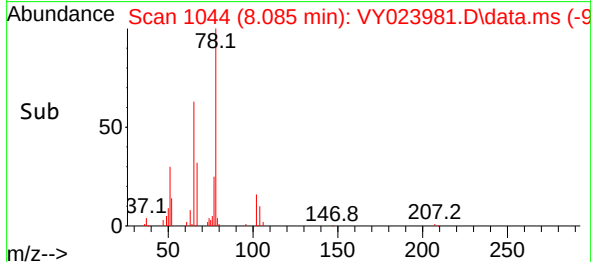
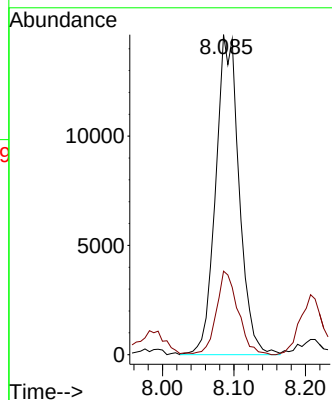
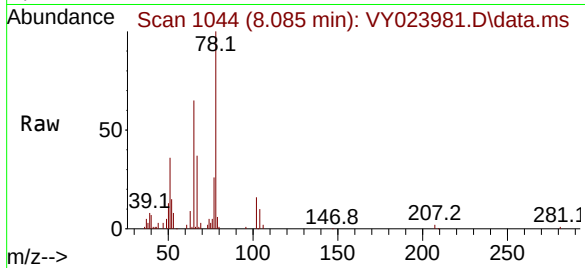




#40
Benzene
Concen: 8.530 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

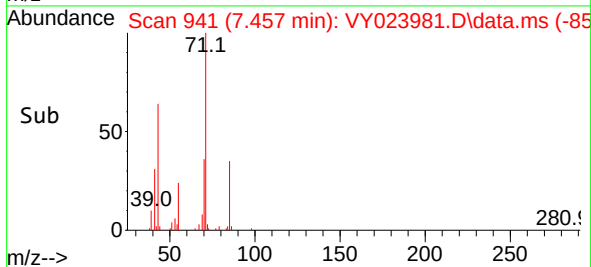
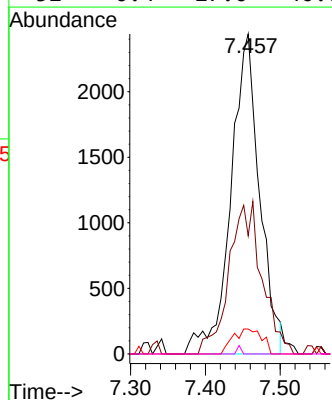
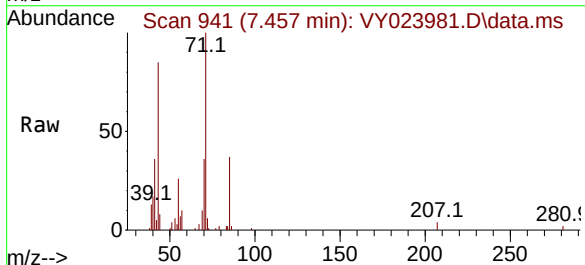
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

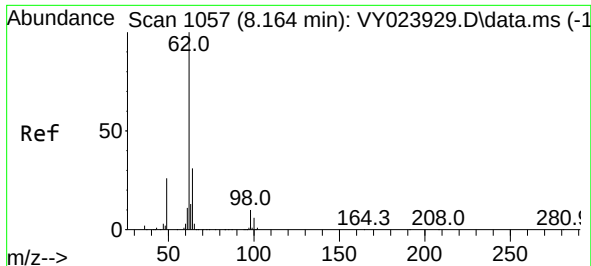
Tgt Ion: 78 Resp: 33271
Ion Ratio Lower Upper
78 100
77 25.7 18.3 27.5



#41
Methacrylonitrile
Concen: 22.724 ug/l
RT: 7.457 min Scan# 941
Delta R.T. 0.232 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 41 Resp: 6520
Ion Ratio Lower Upper
41 100
39 53.4 50.6 75.8
67 7.9 68.0 102.0#
52 0.4 27.0 40.6#





#42

1,2-Dichloroethane

Concen: 1.176 ug/l

RT: 8.201 min Scan# 1063

Delta R.T. 0.037 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

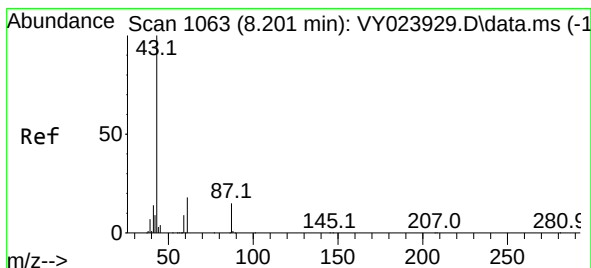
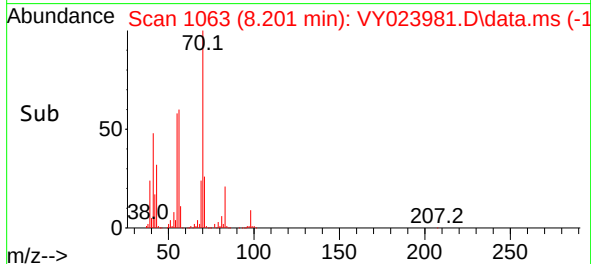
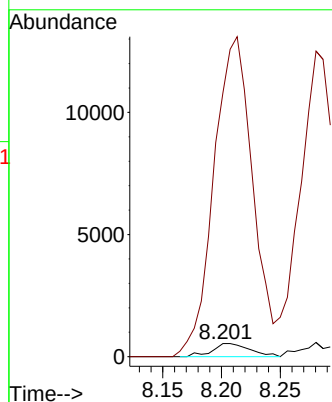
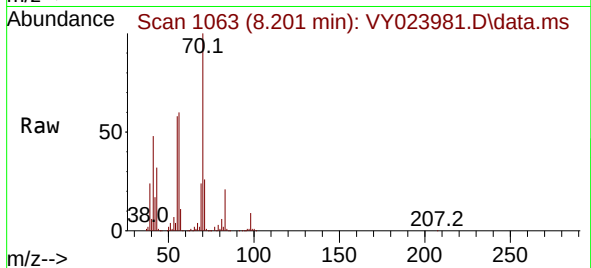
B145(8-10)121025

Tgt Ion: 62 Resp: 1203

Ion Ratio Lower Upper

62 100

98 2490.3 0.0 20.8#



#43

Isopropyl Acetate

Concen: 95.504 ug/l

RT: 8.195 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

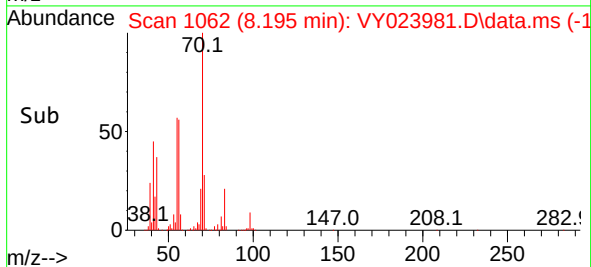
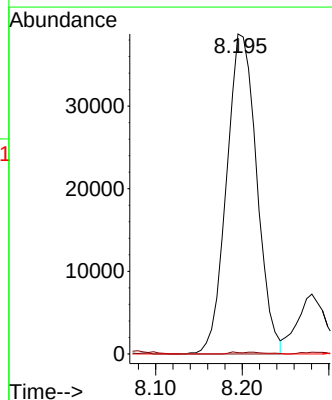
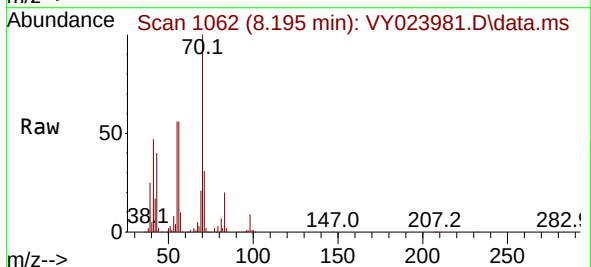
Tgt Ion: 43 Resp: 93814

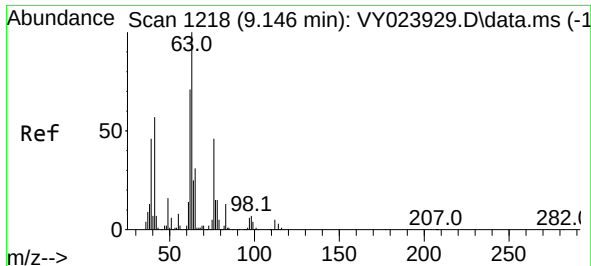
Ion Ratio Lower Upper

43 100

61 0.2 17.4 26.2#

87 0.0 12.3 18.5#





#45

1,2-Dichloropropane

Concen: 33.353 ug/l

RT: 9.116 min Scan# 11

Delta R.T. -0.030 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

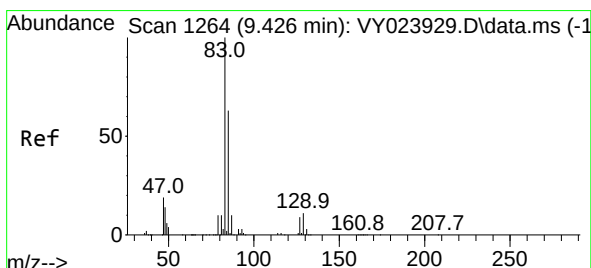
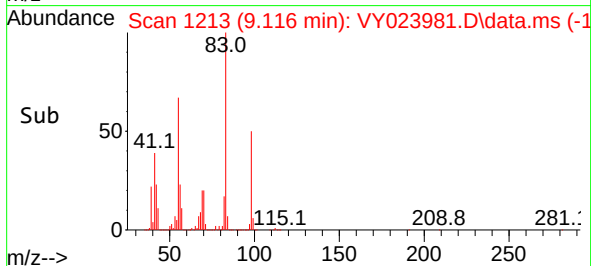
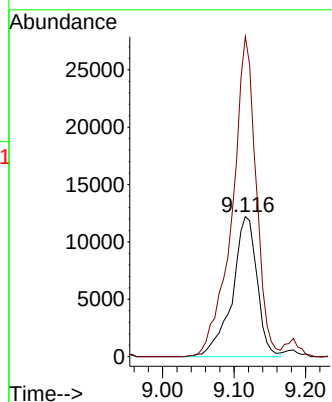
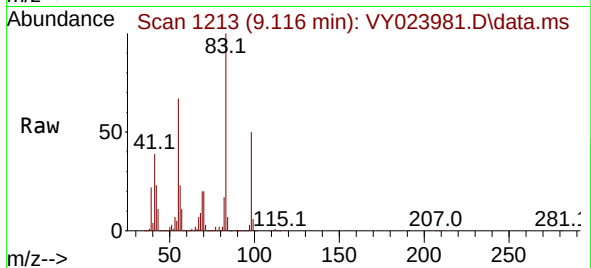
B145(8-10)121025

Tgt Ion: 63 Resp: 29352

Ion Ratio Lower Upper

63 100

65 228.6 25.1 37.7#



#47

Bromodichloromethane

Concen: 29.960 ug/l

RT: 9.396 min Scan# 1259

Delta R.T. -0.030 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

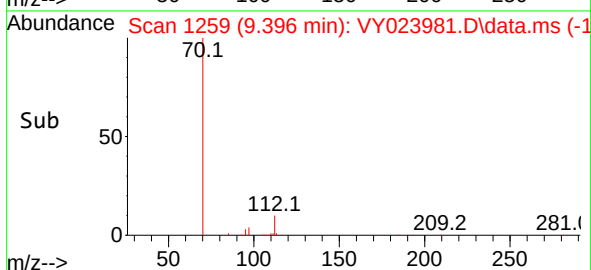
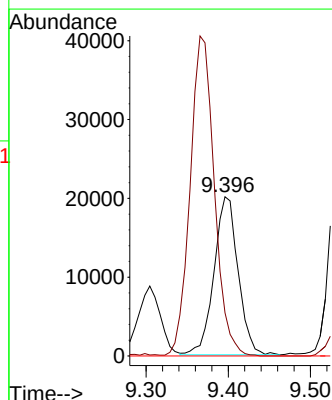
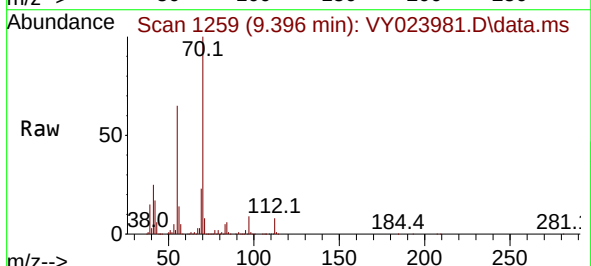
Tgt Ion: 83 Resp: 40851

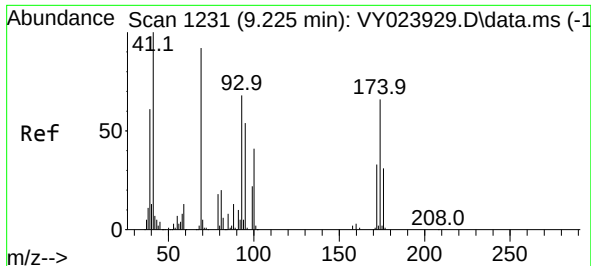
Ion Ratio Lower Upper

83 100

85 27.3 50.7 76.1#

127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 300.826 ug/l

RT: 9.177 min Scan# 1

Delta R.T. -0.049 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

B145(8-10)121025

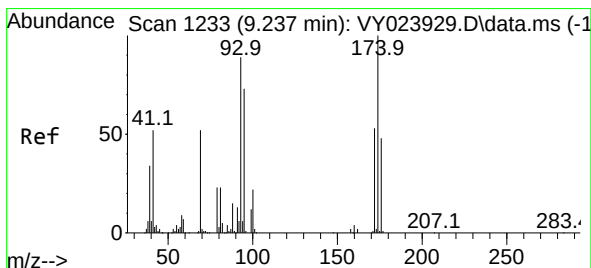
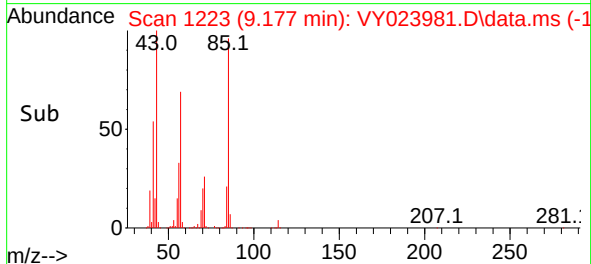
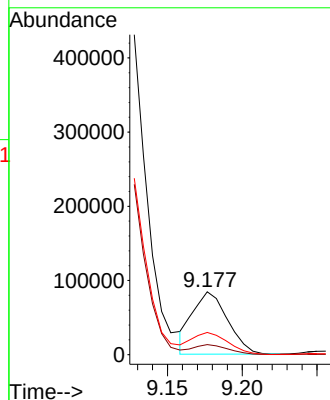
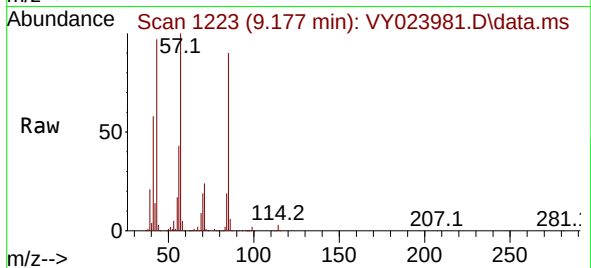
Tgt Ion: 41 Resp: 137564

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 36.5 47.4 71.2#



#49

1,4-Dioxane

Concen: 7.961 ug/l

RT: 9.122 min Scan# 1214

Delta R.T. -0.116 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

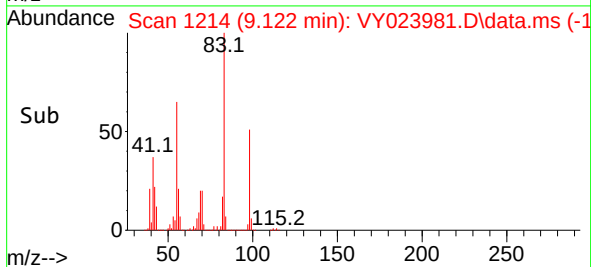
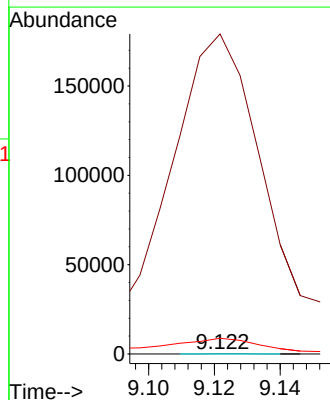
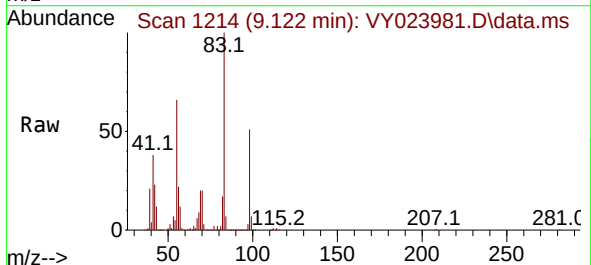
Tgt Ion: 88 Resp: 46

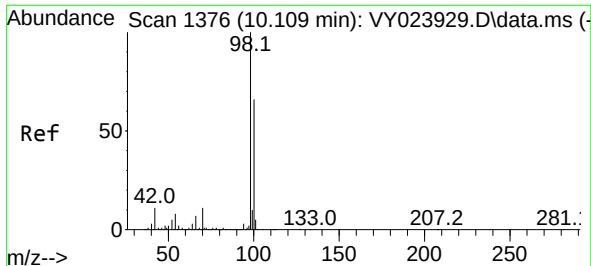
Ion Ratio Lower Upper

88 100

43 847013.0 22.3 33.5#

58 50328.3 52.3 78.5#

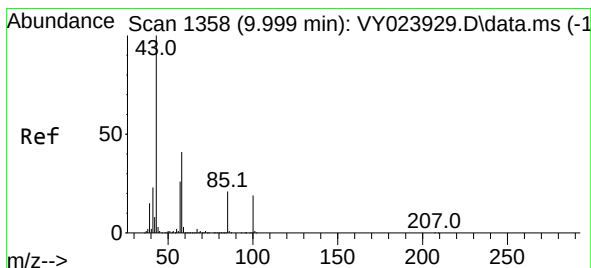
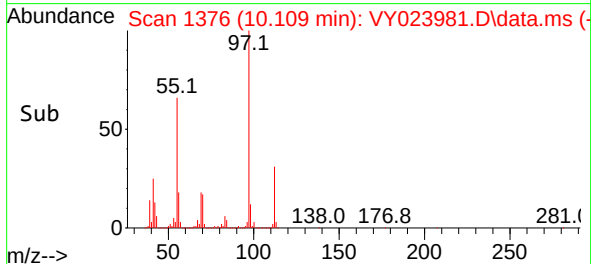
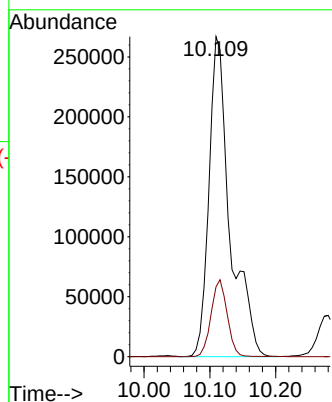
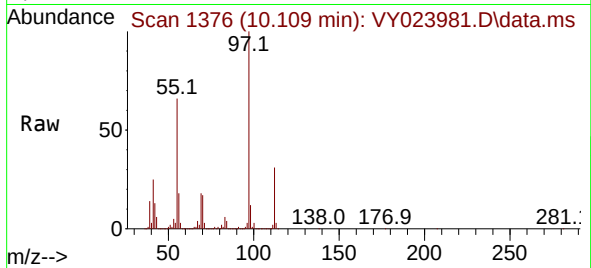




#50
Toluene-d8
Concen: 169.566 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

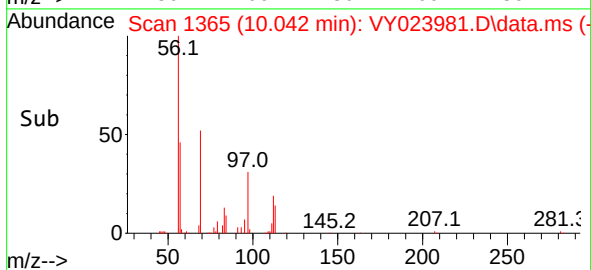
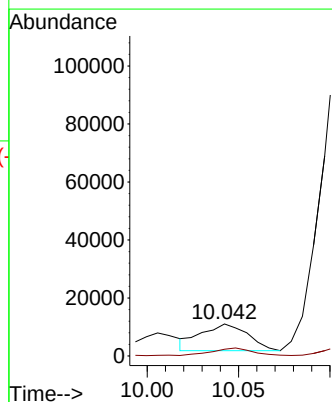
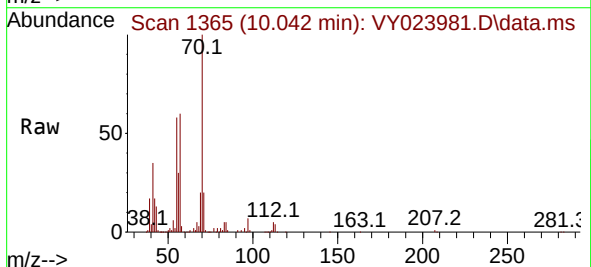
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

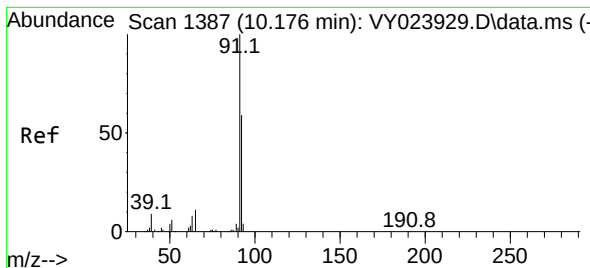
Tgt Ion: 98 Resp: 593947
Ion Ratio Lower Upper
98 100
100 18.4 52.8 79.2#



#51
4-Methyl-2-Pentanone
Concen: 31.724 ug/l
RT: 10.042 min Scan# 1365
Delta R.T. 0.043 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 43 Resp: 16511
Ion Ratio Lower Upper
43 100
58 29.9 33.1 49.7#





#52

Toluene

Concen: 61.998 ug/l

RT: 10.176 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

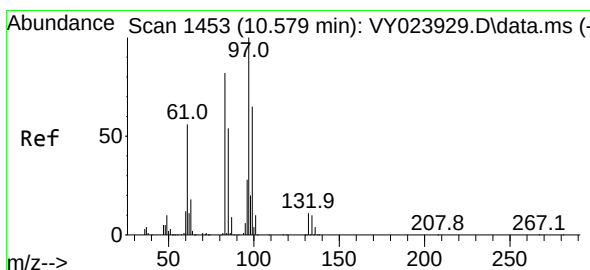
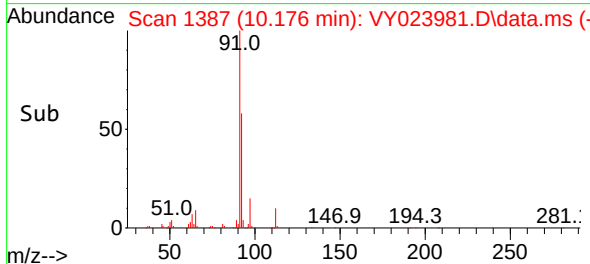
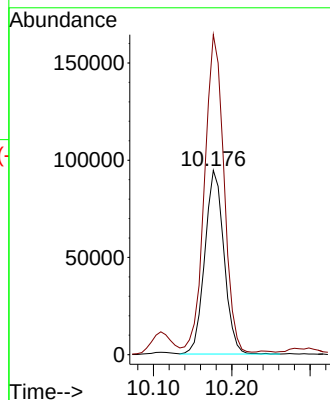
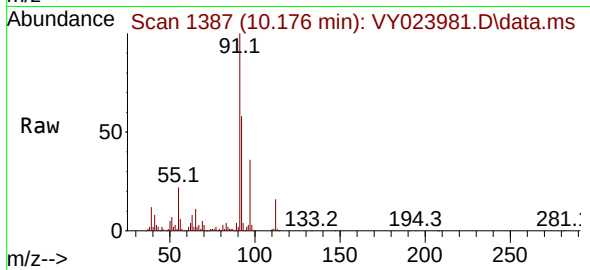
B145(8-10)121025

Tgt Ion: 92 Resp: 160015

Ion Ratio Lower Upper

92 100

91 175.7 135.8 203.6



#55

1,1,2-Trichloroethane

Concen: 1625.805 ug/l

RT: 10.554 min Scan# 1449

Delta R.T. -0.024 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Tgt Ion: 97 Resp: 1159843

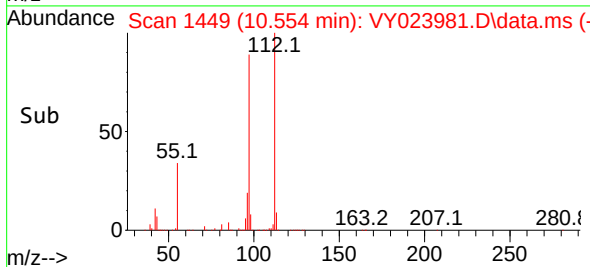
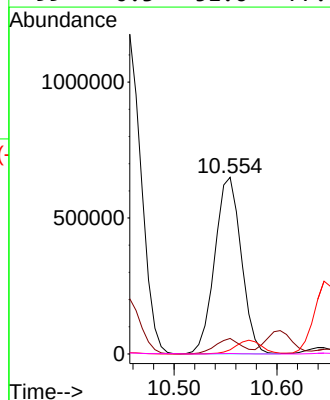
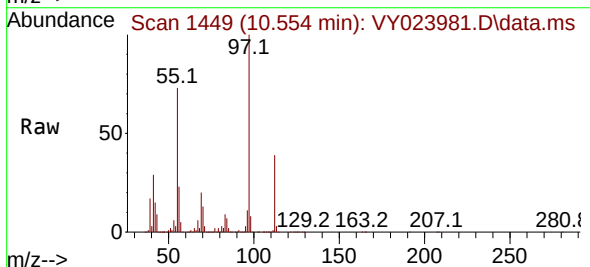
Ion Ratio Lower Upper

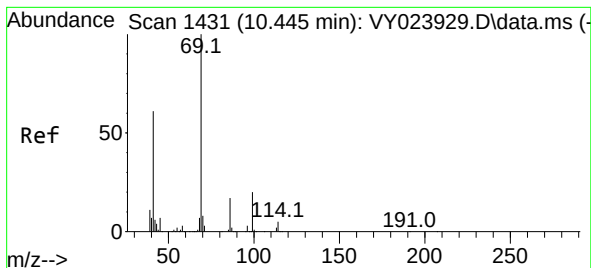
97 100

83 8.7 65.8 98.6#

85 2.4 43.1 64.7#

99 0.3 51.6 77.4#

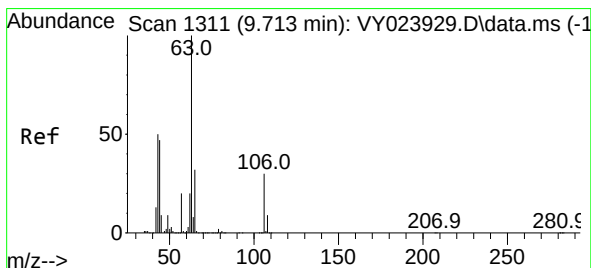
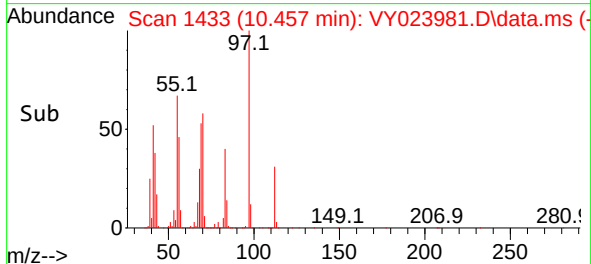
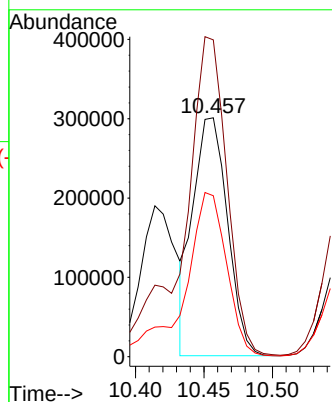
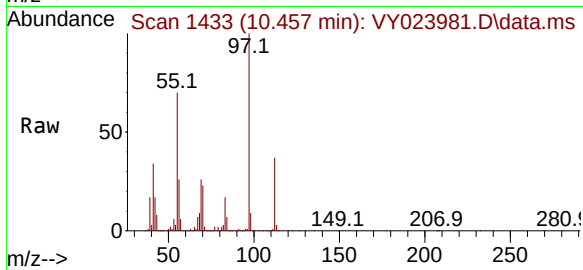




#56
Ethyl methacrylate
Concen: 621.455 ug/l
RT: 10.457 min Scan# 1433
Delta R.T. 0.012 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

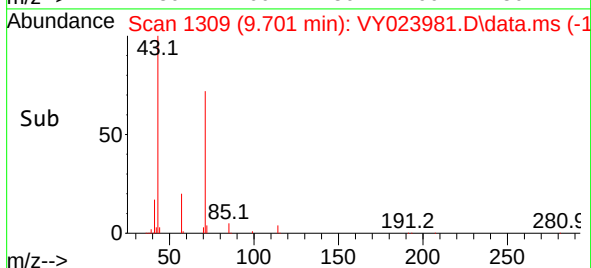
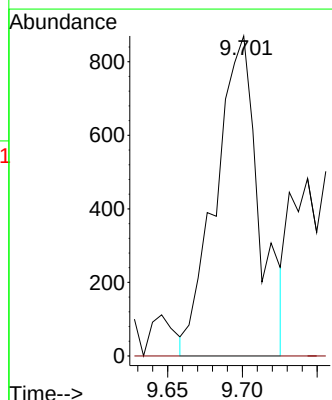
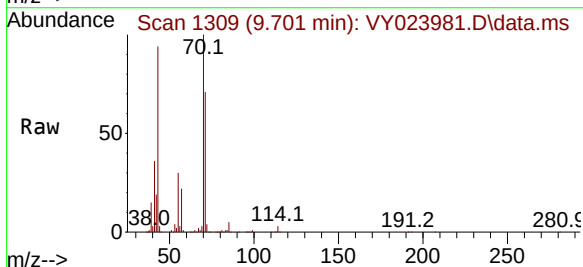
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

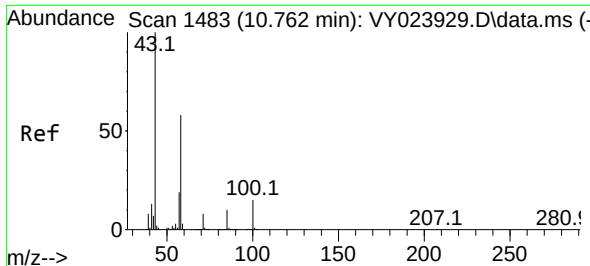
Tgt Ion: 69 Resp: 525581
Ion Ratio Lower Upper
69 100
41 172.3 49.0 73.4#
39 85.9 29.1 43.7#



#58
2-Chloroethyl Vinyl ether
Concen: 4.788 ug/l
RT: 9.701 min Scan# 1309
Delta R.T. -0.012 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 63 Resp: 1754
Ion Ratio Lower Upper
63 100
106 0.0 25.2 37.8#

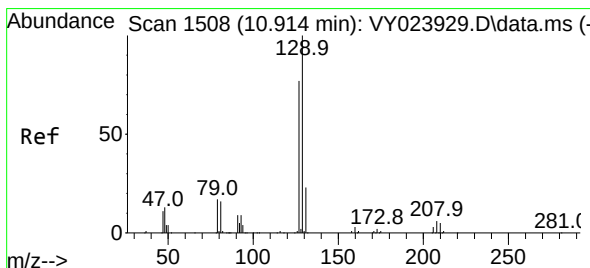
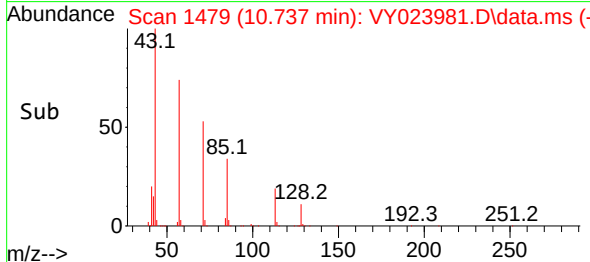
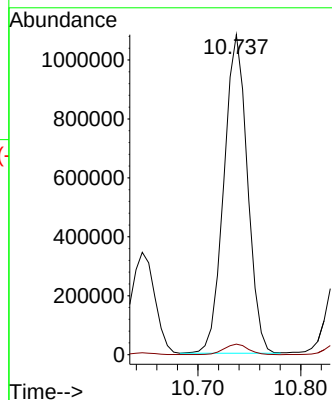
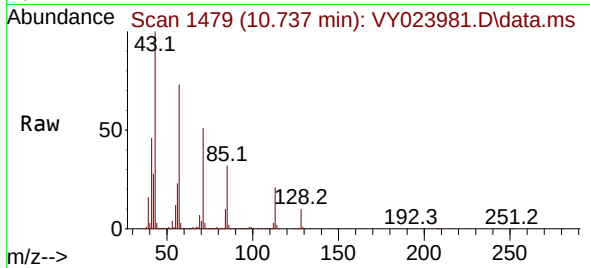




#59
2-Hexanone
Concen: 4353.901 ug/l
RT: 10.737 min Scan# 1495
Delta R.T. -0.024 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

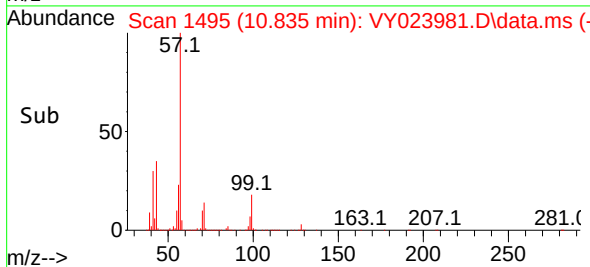
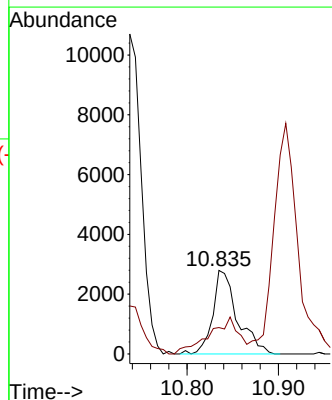
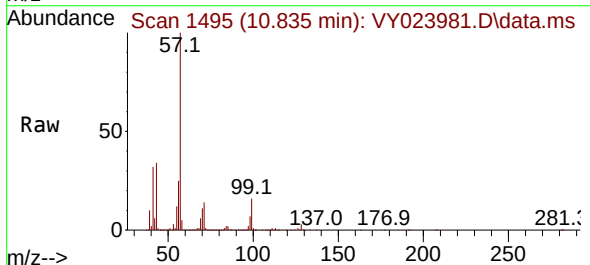
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

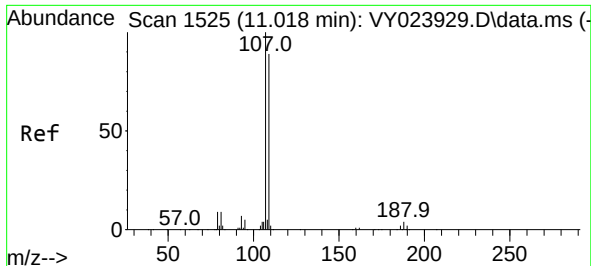
Tgt Ion: 43 Resp: 1719810
Ion Ratio Lower Upper
43 100
58 3.4 29.0 87.0#



#60
Dibromochloromethane
Concen: 5.288 ug/l
RT: 10.835 min Scan# 1495
Delta R.T. -0.079 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 129 Resp: 5223
Ion Ratio Lower Upper
129 100
127 52.9 38.1 114.5

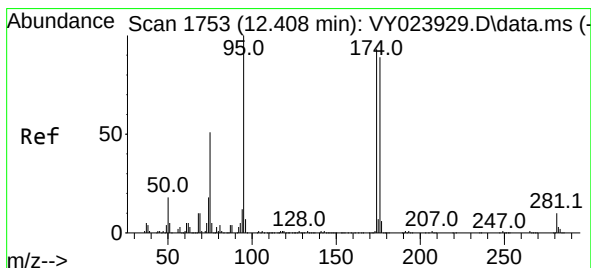
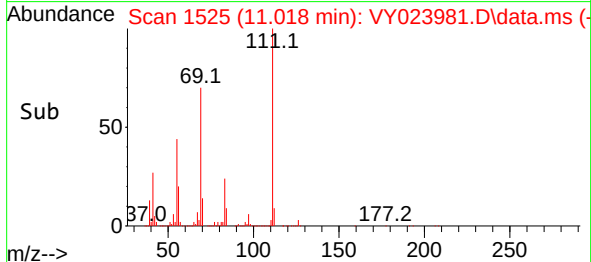
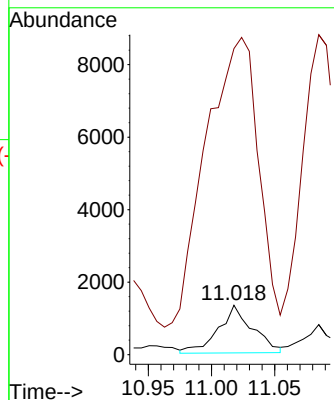
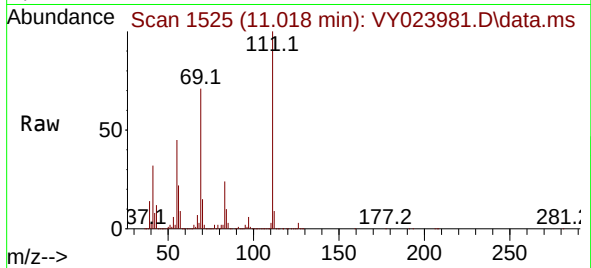




#61
1,2-Dibromoethane
Concen: 3.741 ug/l
RT: 11.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

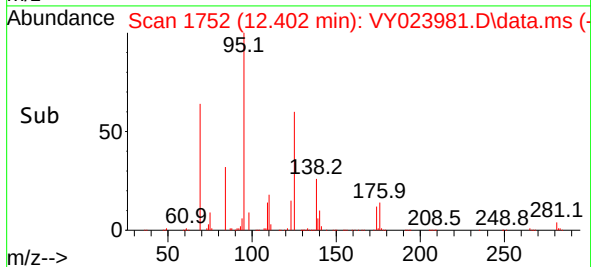
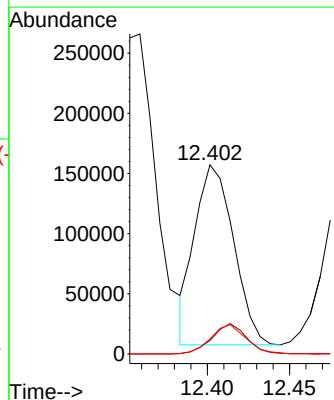
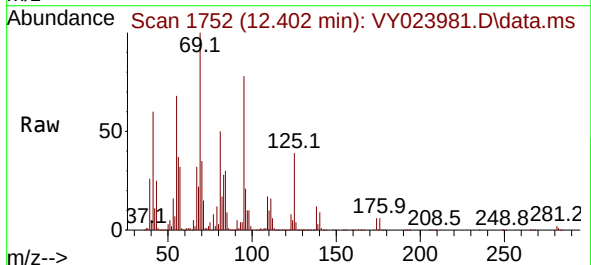
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

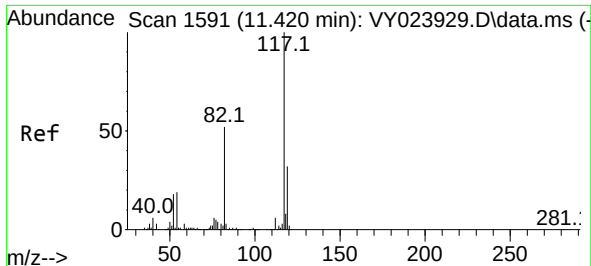
Tgt Ion:107 Resp: 2473
Ion Ratio Lower Upper
107 100
109 956.4 75.3 112.9#



#62
4-Bromofluorobenzene
Concen: 210.123 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 95 Resp: 245793
Ion Ratio Lower Upper
95 100
174 15.2 0.0 187.4
176 14.8 0.0 179.6

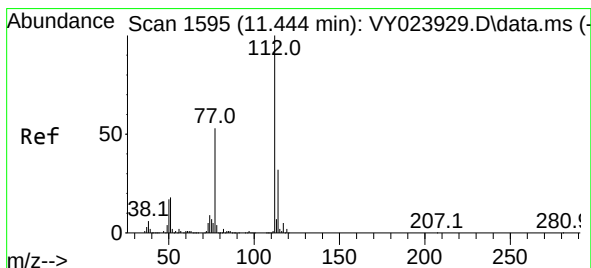
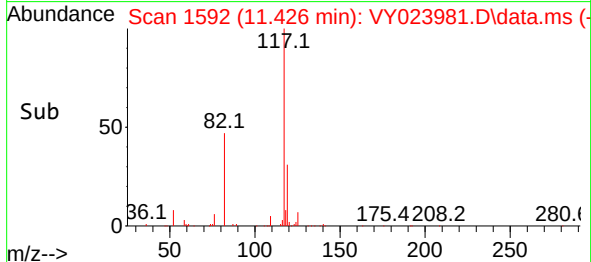
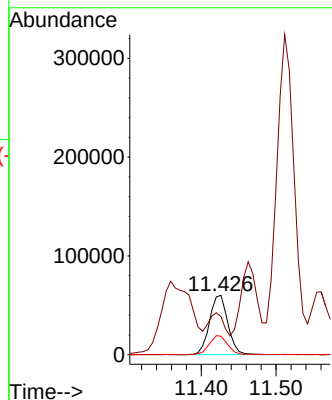
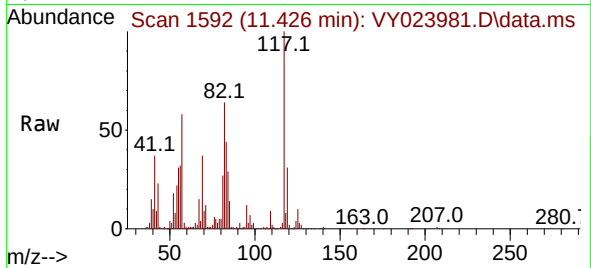




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

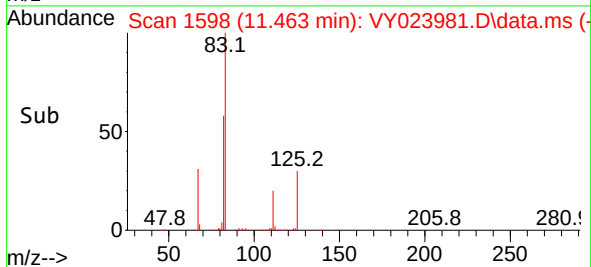
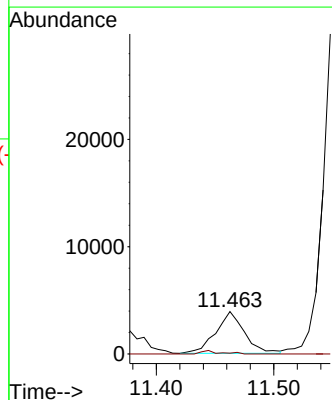
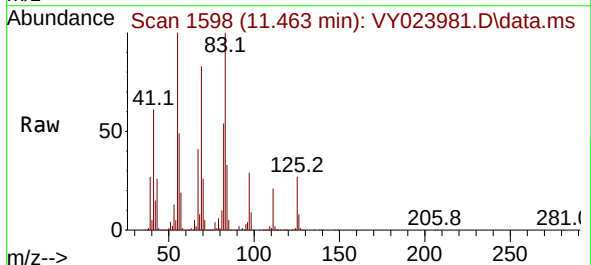
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

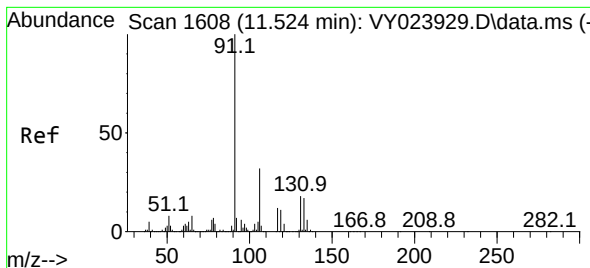
Tgt Ion:117 Resp: 102793
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.2#
119 30.9 25.5 38.3



#65
Chlorobenzene
Concen: 2.776 ug/l
RT: 11.463 min Scan# 1598
Delta R.T. 0.018 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:112 Resp: 6612
Ion Ratio Lower Upper
112 100
114 1.9 25.3 37.9#





#67

Ethyl Benzene

Concen: 5.697 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.000 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

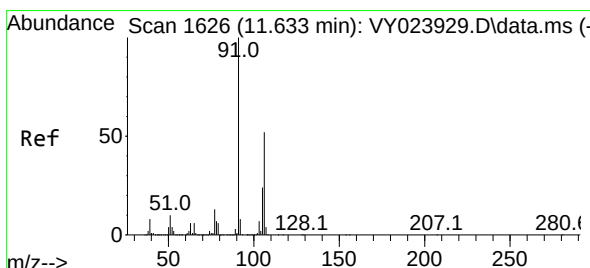
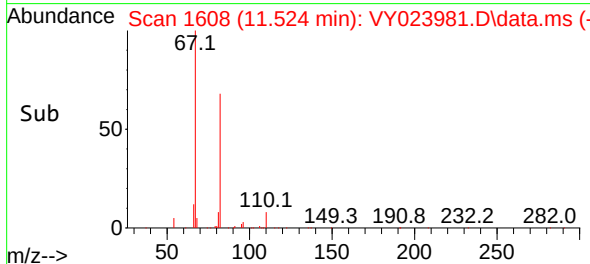
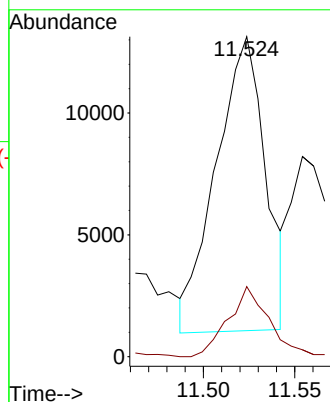
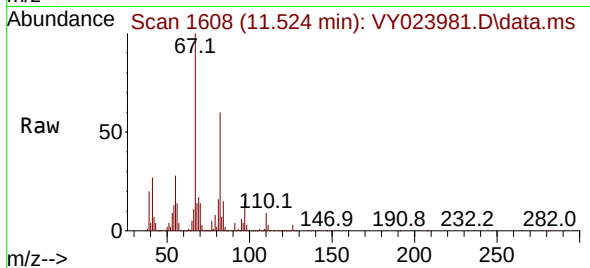
B145(8-10)121025

Tgt Ion: 91 Resp: 22735

Ion Ratio Lower Upper

91 100

106 26.8 25.8 38.8



#68

m/p-Xylenes

Concen: 17.448 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.000 min

Lab File: VY023981.D

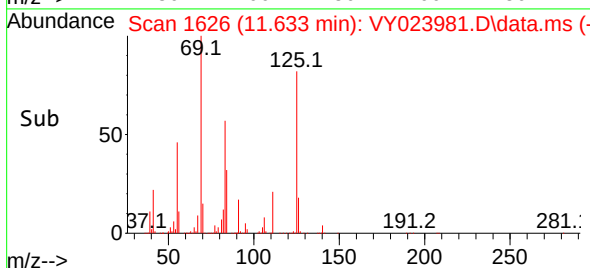
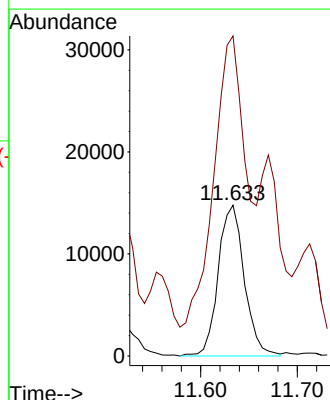
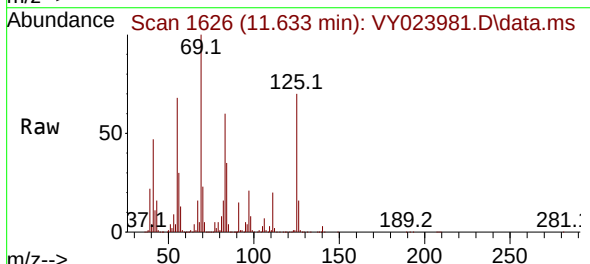
Acq: 15 Dec 2025 17:06

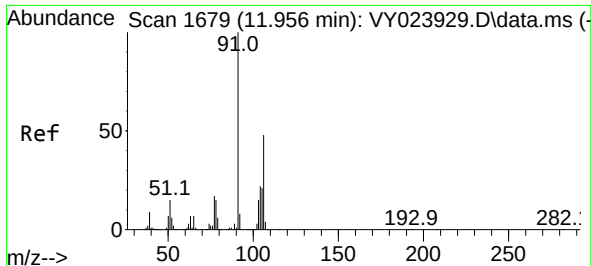
Tgt Ion: 106 Resp: 27643

Ion Ratio Lower Upper

106 100

91 269.7 155.0 232.6#

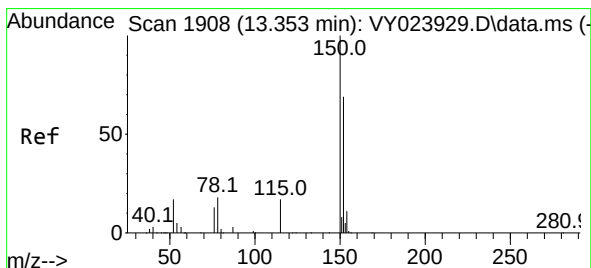
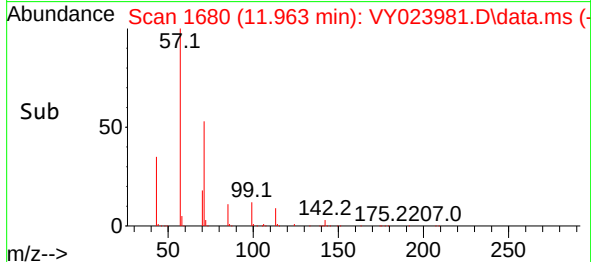
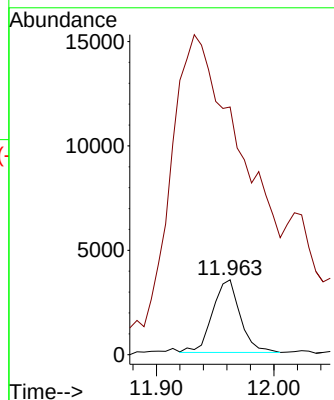
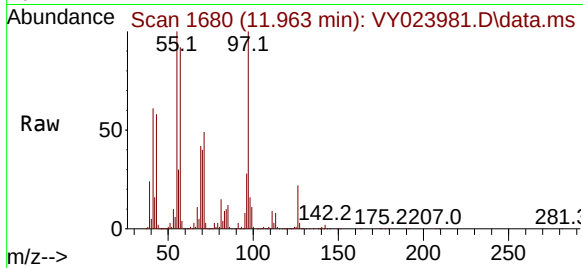




#69
o-Xylene
Concen: 3.841 ug/l
RT: 11.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

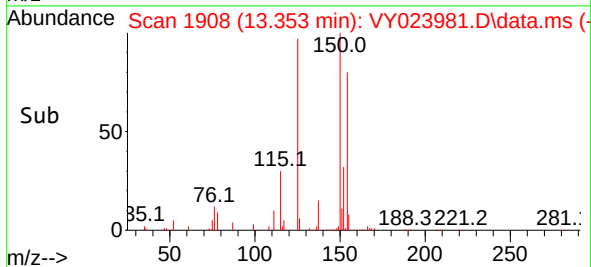
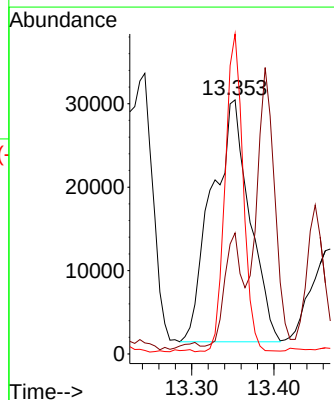
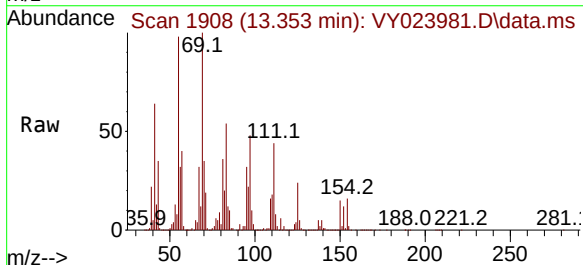
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

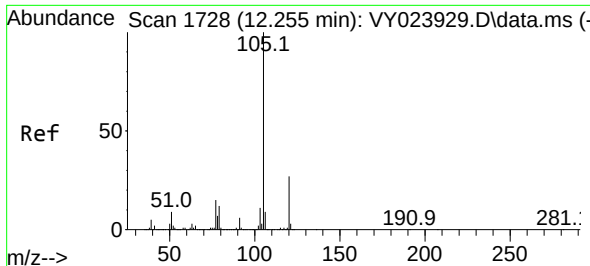
Tgt Ion:106 Resp: 5693
Ion Ratio Lower Upper
106 100
91 0.0 102.1 306.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:152 Resp: 92922
Ion Ratio Lower Upper
152 100
115 21.2 27.3 81.9#
150 62.7 0.0 347.6

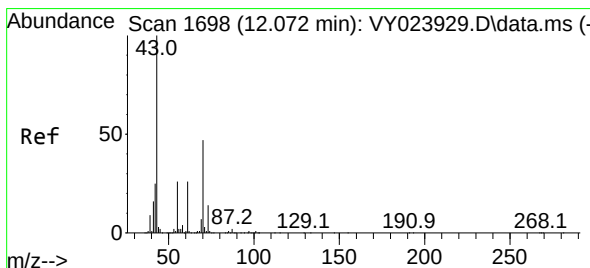
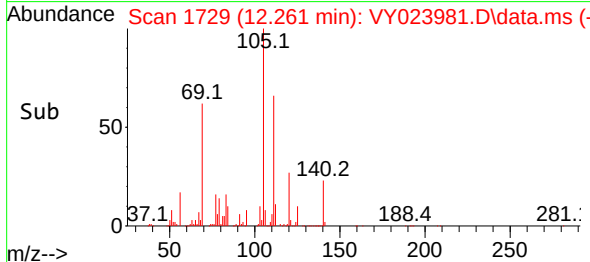
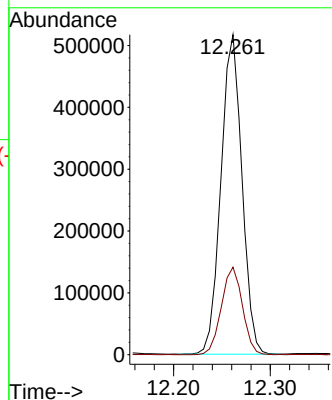
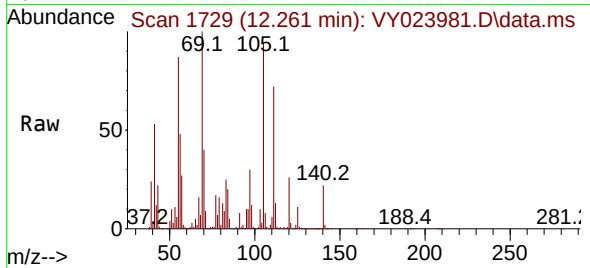




#73
Isopropylbenzene
Concen: 114.571 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

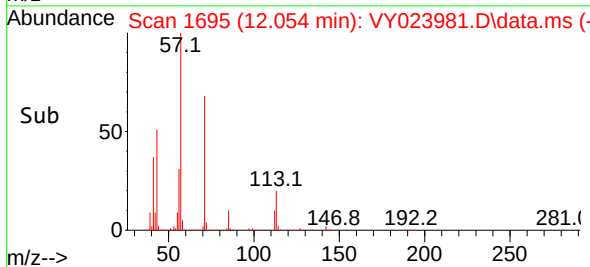
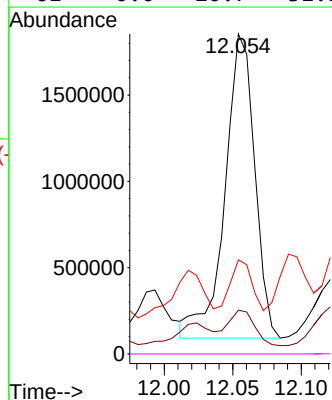
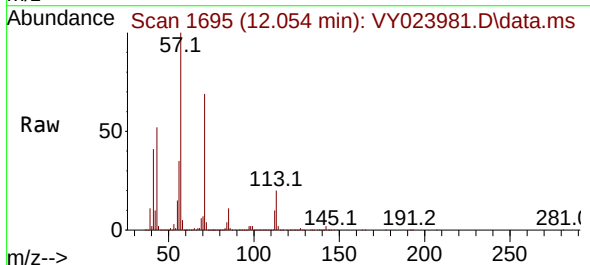
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

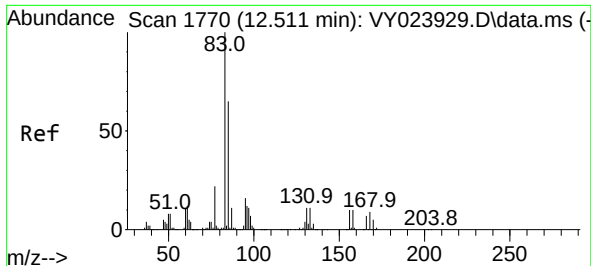
Tgt Ion:105 Resp: 778039
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.0



#74
N-ethyl acetate
Concen: 2211.220 ug/l
RT: 12.054 min Scan# 1695
Delta R.T. -0.018 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 43 Resp: 2663521
Ion Ratio Lower Upper
43 100
70 10.7 37.4 56.0#
55 24.3 21.6 32.4
61 0.0 20.7 31.1#

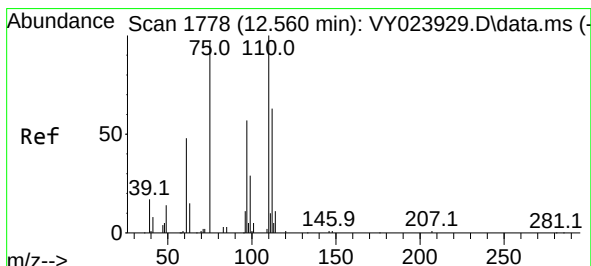
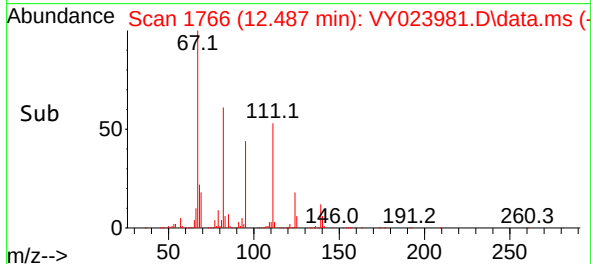
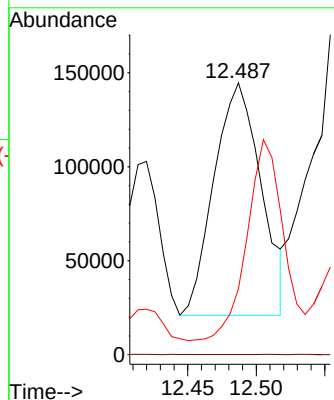
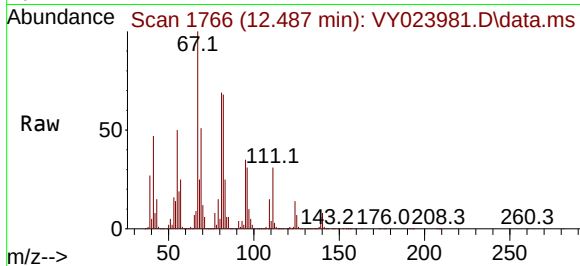




#75
 1,1,2,2-Tetrachloroethane
 Concen: 285.470 ug/l
 RT: 12.487 min Scan# 1766
 Delta R.T. -0.024 min
 Lab File: VY023981.D
 Acq: 15 Dec 2025 17:06

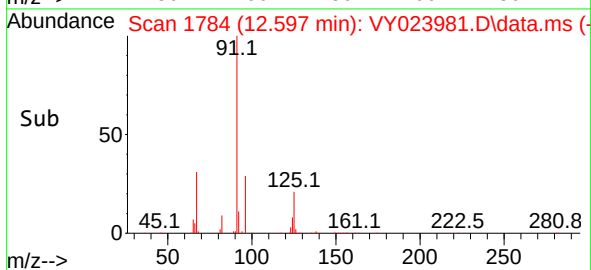
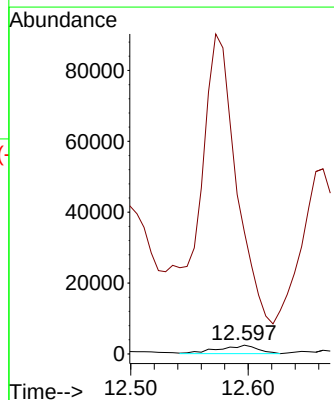
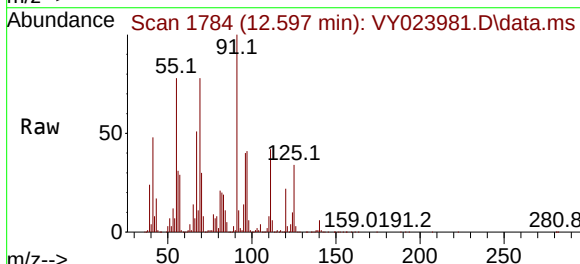
Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025

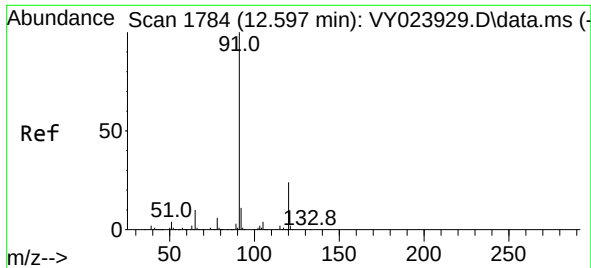
Tgt Ion: 83 Resp: 295184
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.6 16.8#
 85 0.0 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 6.777 ug/l
 RT: 12.597 min Scan# 1784
 Delta R.T. 0.037 min
 Lab File: VY023981.D
 Acq: 15 Dec 2025 17:06

Tgt Ion: 75 Resp: 5327
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

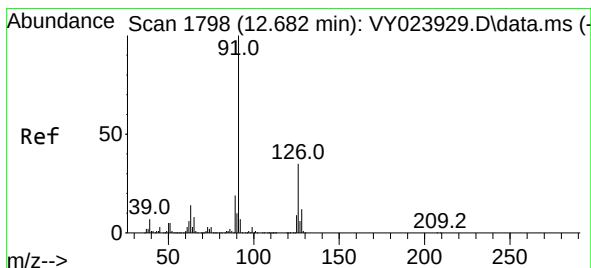
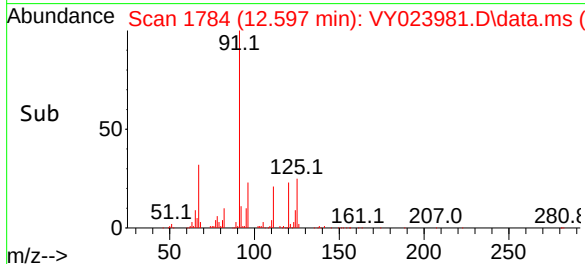
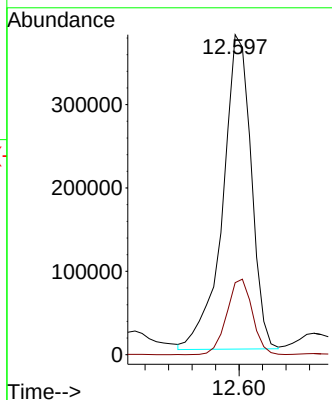
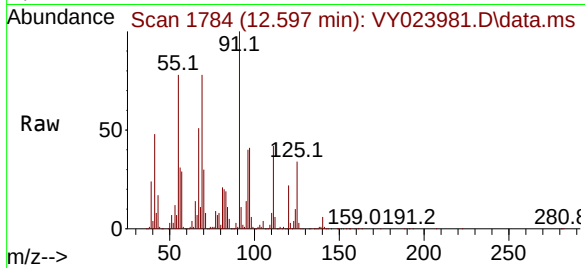




#78
n-propylbenzene
Concen: 80.606 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

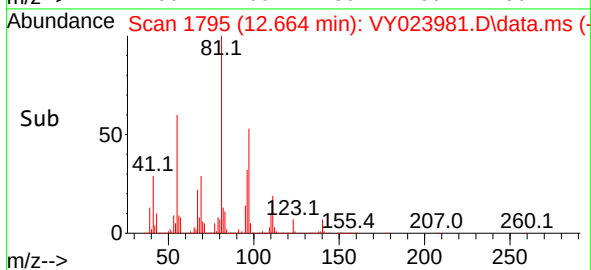
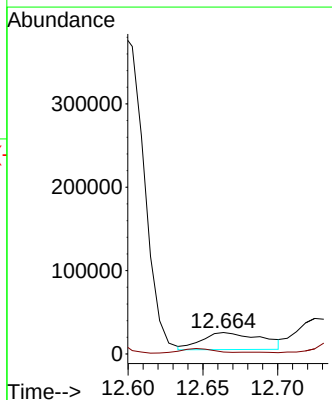
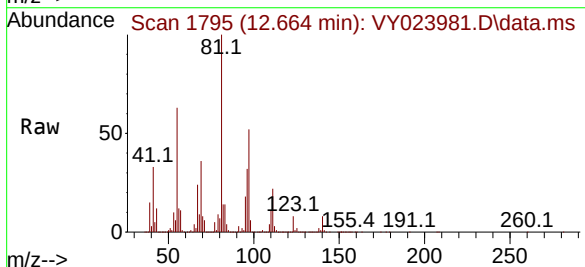
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

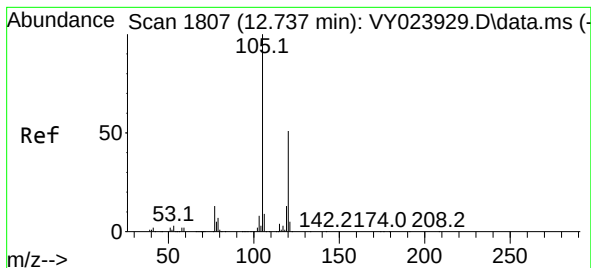
Tgt Ion: 91 Resp: 636868
Ion Ratio Lower Upper
91 100
120 21.5 12.0 36.0



#79
2-Chlorotoluene
Concen: 12.707 ug/l
RT: 12.664 min Scan# 1795
Delta R.T. -0.018 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 91 Resp: 57029
Ion Ratio Lower Upper
91 100
126 14.7 17.9 53.7#





#80

1,3,5-Trimethylbenzene

Concen: 6.433 ug/l

RT: 12.902 min Scan# 11

Delta R.T. 0.165 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

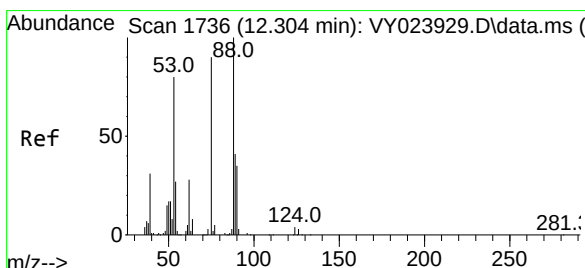
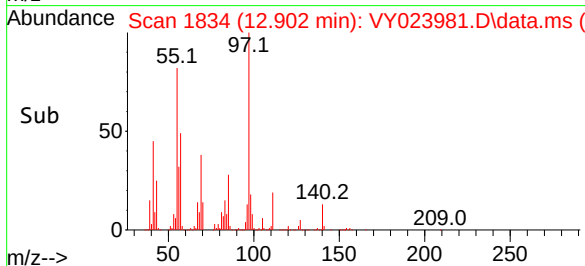
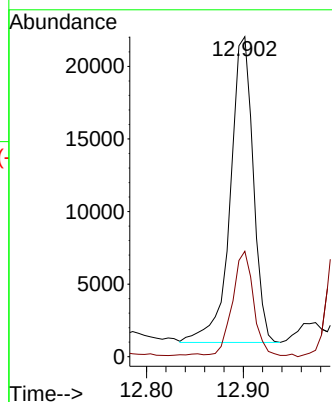
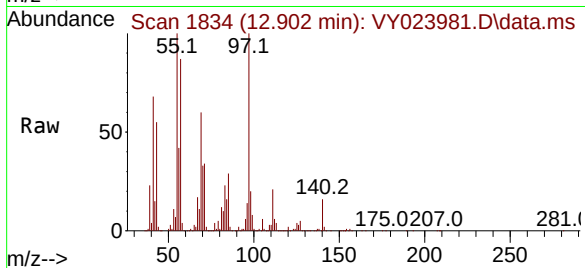
B145(8-10)121025

Tgt Ion:105 Resp: 34850

Ion Ratio Lower Upper

105 100

120 30.9 25.7 77.1



#81

trans-1,4-Dichloro-2-butene

Concen: 25.487 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.049 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

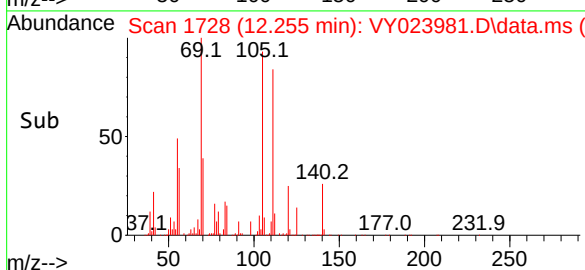
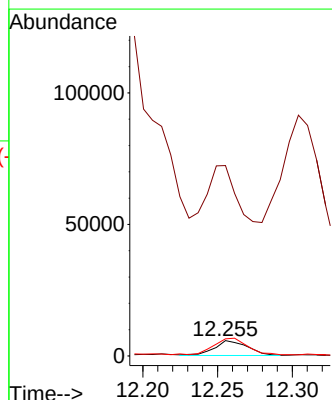
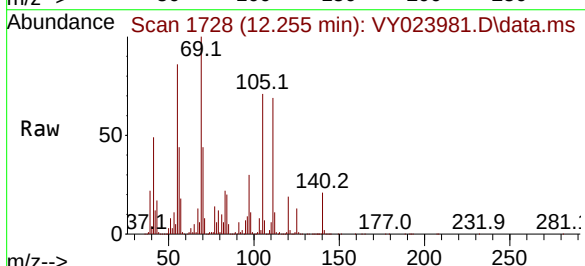
Tgt Ion: 75 Resp: 8801

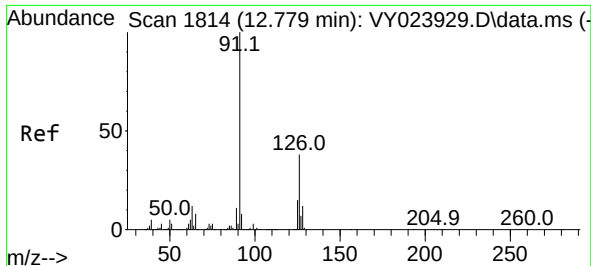
Ion Ratio Lower Upper

75 100

53 284.7 73.4 110.0#

89 114.0 38.9 58.3#

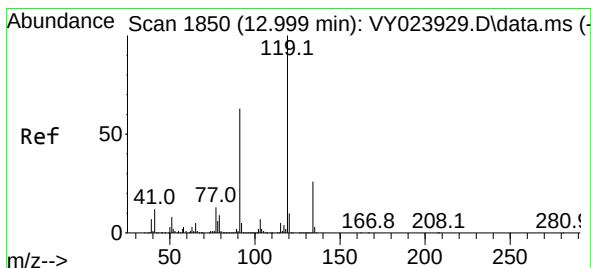
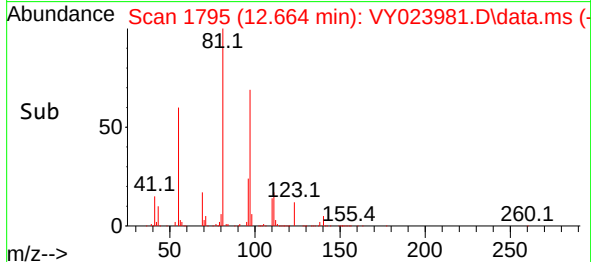
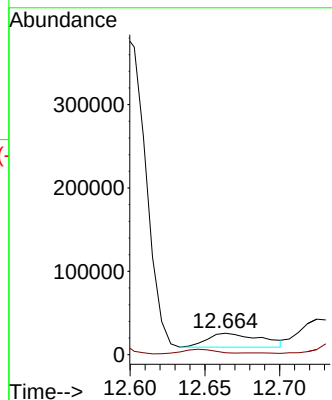
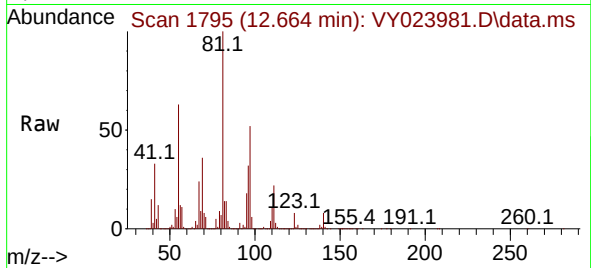




#82
4-Chlorotoluene
Concen: 9.096 ug/l
RT: 12.664 min Scan# 1795
Delta R.T. -0.116 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

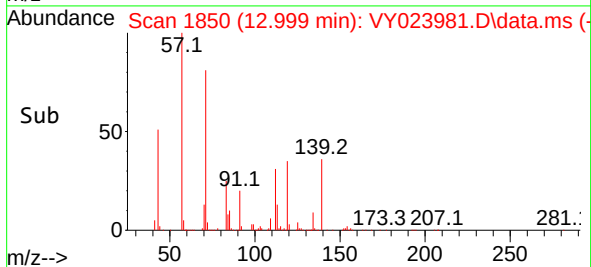
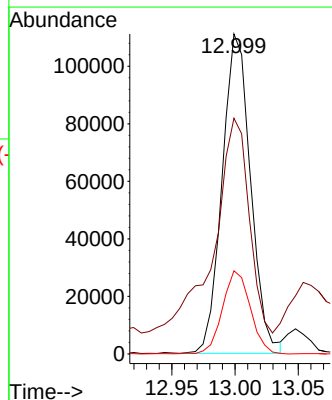
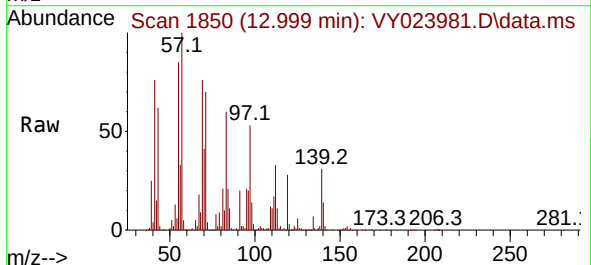
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

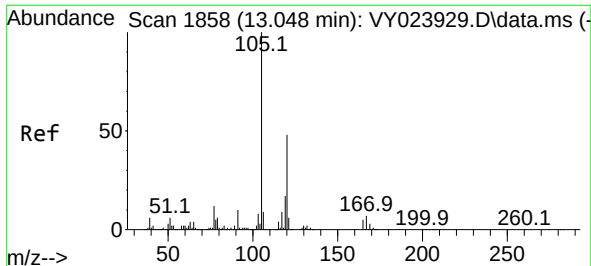
Tgt Ion: 91 Resp: 42024
Ion Ratio Lower Upper
91 100
126 19.9 18.1 54.1



#83
tert-Butylbenzene
Concen: 34.681 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion: 119 Resp: 173603
Ion Ratio Lower Upper
119 100
91 82.0 31.6 94.7
134 25.5 13.4 40.1

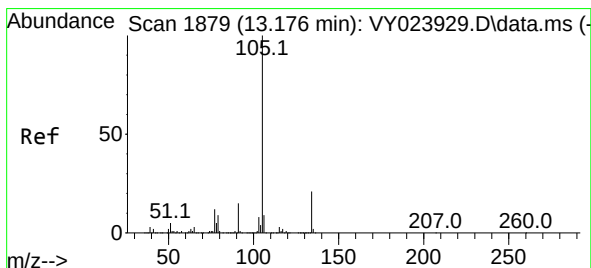
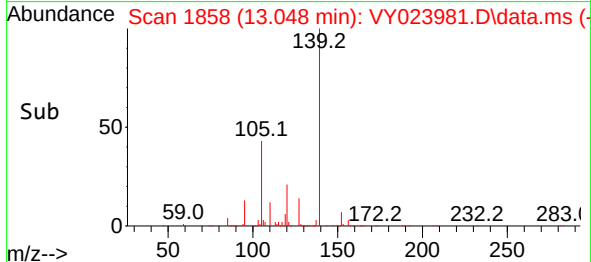
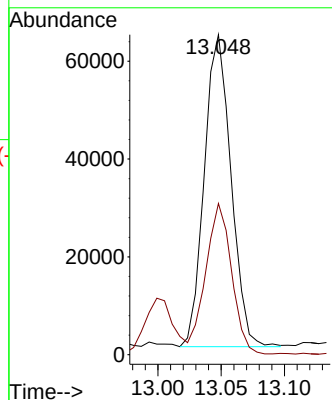
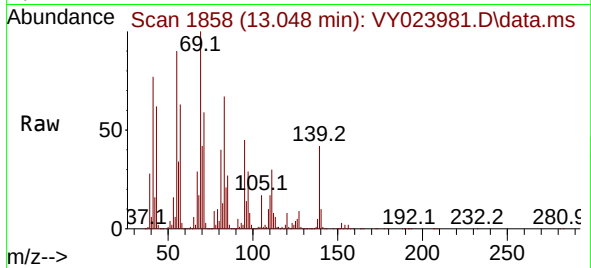




#84
1,2,4-Trimethylbenzene
Concen: 17.472 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

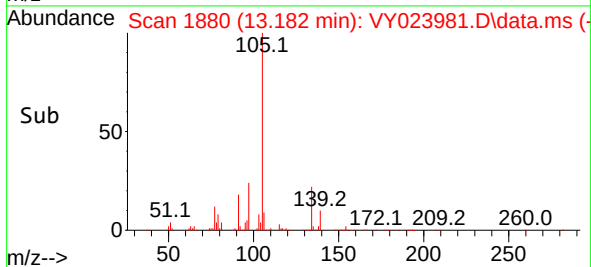
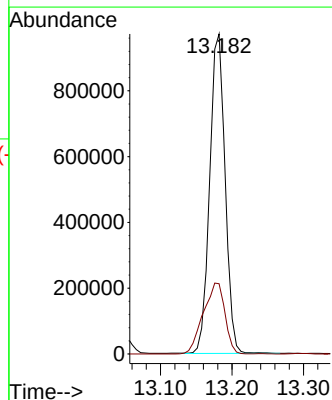
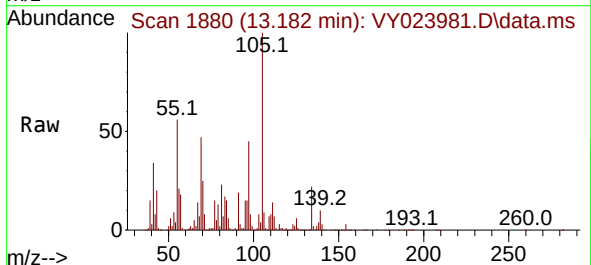
Instrument :
MSVOA_Y
ClientSampleId :
B145(8-10)121025

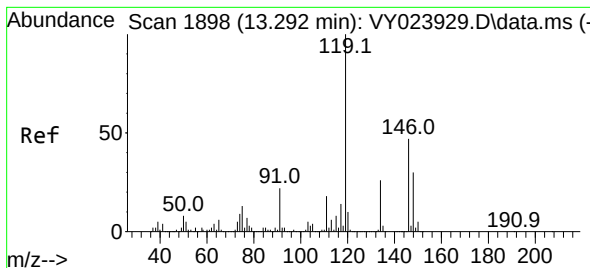
Tgt Ion:105 Resp: 93772
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.3



#85
sec-Butylbenzene
Concen: 199.157 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VY023981.D
Acq: 15 Dec 2025 17:06

Tgt Ion:105 Resp: 1454242
Ion Ratio Lower Upper
105 100
134 31.1 10.6 31.8





#86

p-Isopropyltoluene

Concen: 49.251 ug/l

RT: 13.450 min Scan# 1898

Delta R.T. 0.159 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

B145(8-10)121025

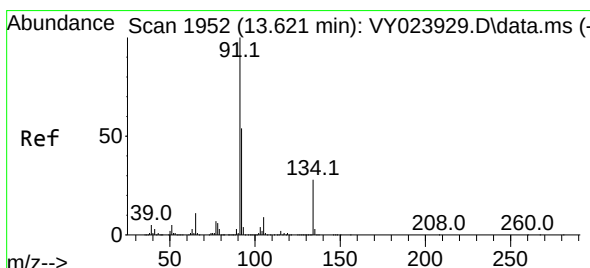
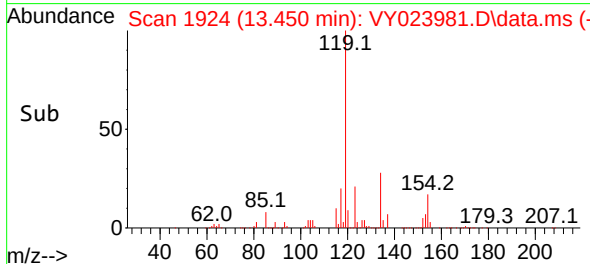
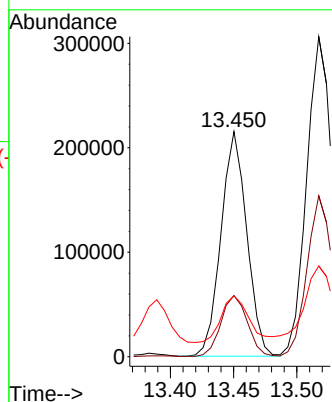
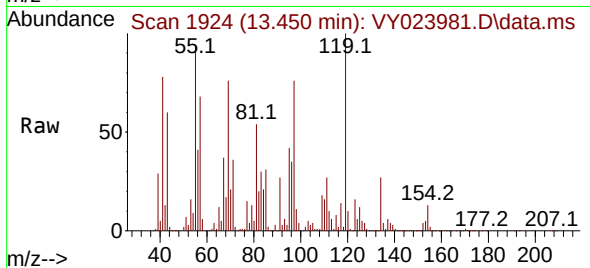
Tgt Ion:119 Resp: 304412

Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.7

91 22.2 11.1 33.3



#89

n-Butylbenzene

Concen: 74.500 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

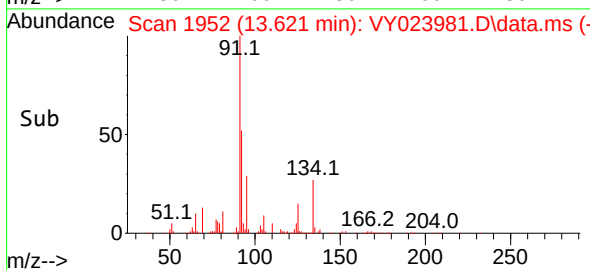
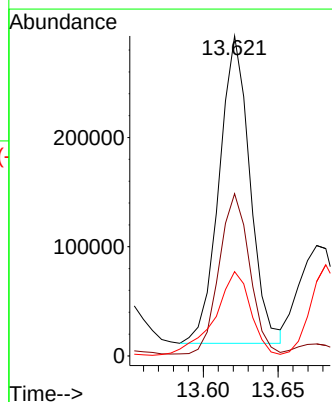
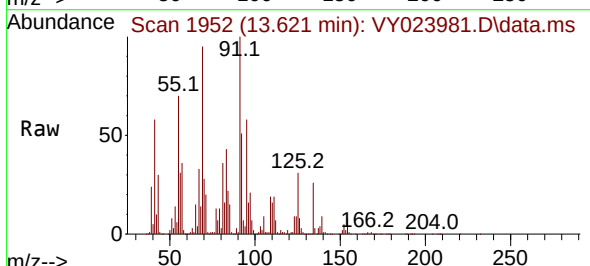
Tgt Ion: 91 Resp: 402860

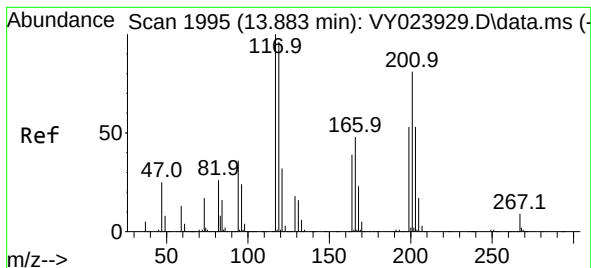
Ion Ratio Lower Upper

91 100

92 51.3 26.9 80.6

134 32.1 13.9 41.6





#90

Hexachloroethane

Concen: 127.622 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.012 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

Instrument :

MSVOA_Y

ClientSampleId :

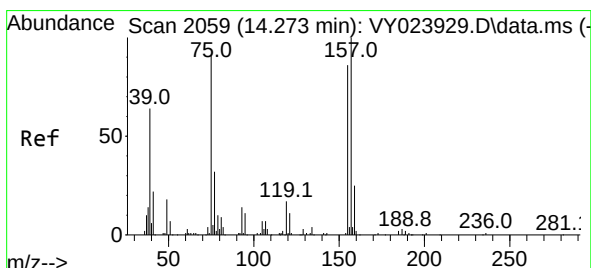
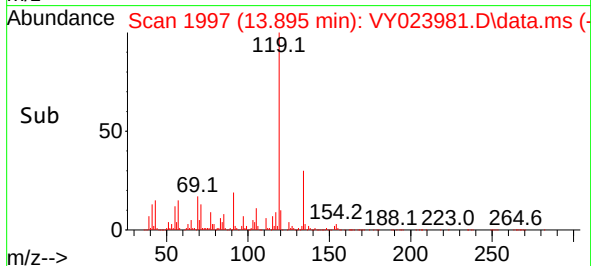
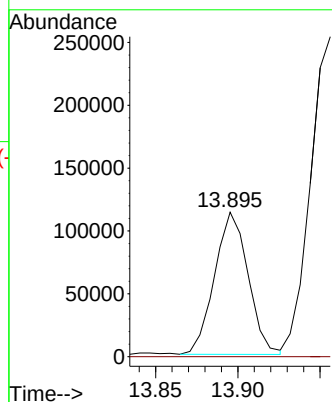
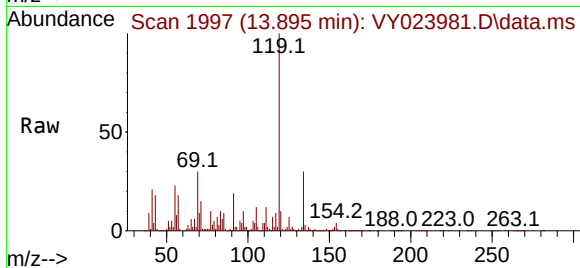
B145(8-10)121025

Tgt Ion:117 Resp: 160962

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.462 ug/l

RT: 14.298 min Scan# 2063

Delta R.T. 0.024 min

Lab File: VY023981.D

Acq: 15 Dec 2025 17:06

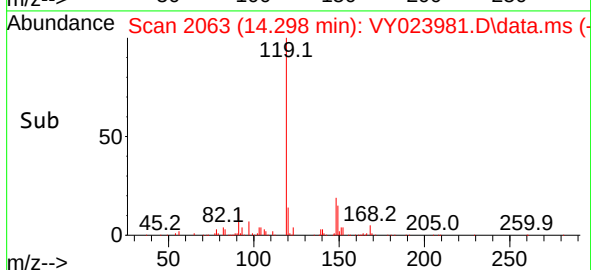
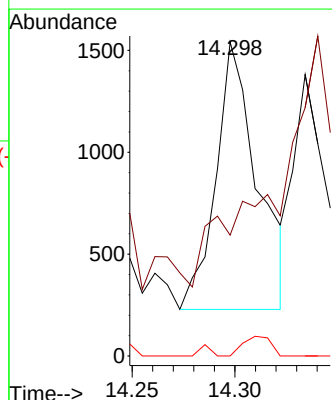
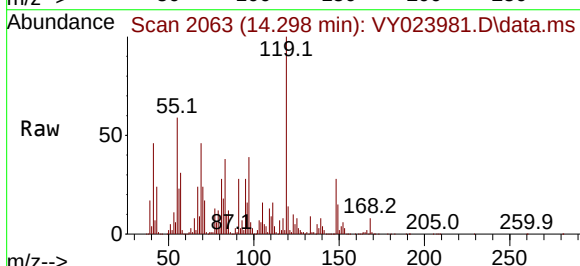
Tgt Ion: 75 Resp: 1835

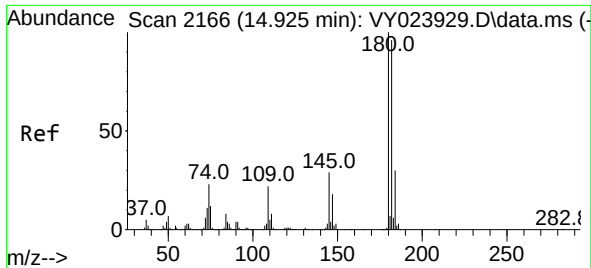
Ion Ratio Lower Upper

75 100

155 0.0 50.2 150.7#

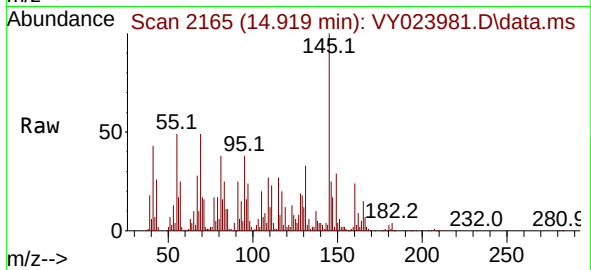
157 5.0 62.8 188.5#





#93
 1,2,4-Trichlorobenzene
 Concen: 1.002 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.006 min
 Lab File: VY023981.D
 Acq: 15 Dec 2025 17:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 B145(8-10)121025



Tgt Ion:180 Resp: 1670
 Ion Ratio Lower Upper
 180 100
 182 284.5 47.6 142.9#
 145 8471.1 14.8 44.4#

