

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015275.D
 Acq On : 23 Aug 2023 03:46
 Operator : SY/MD
 Sample : 04110-18
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-26(1-2)

Quant Time: Aug 23 05:01:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

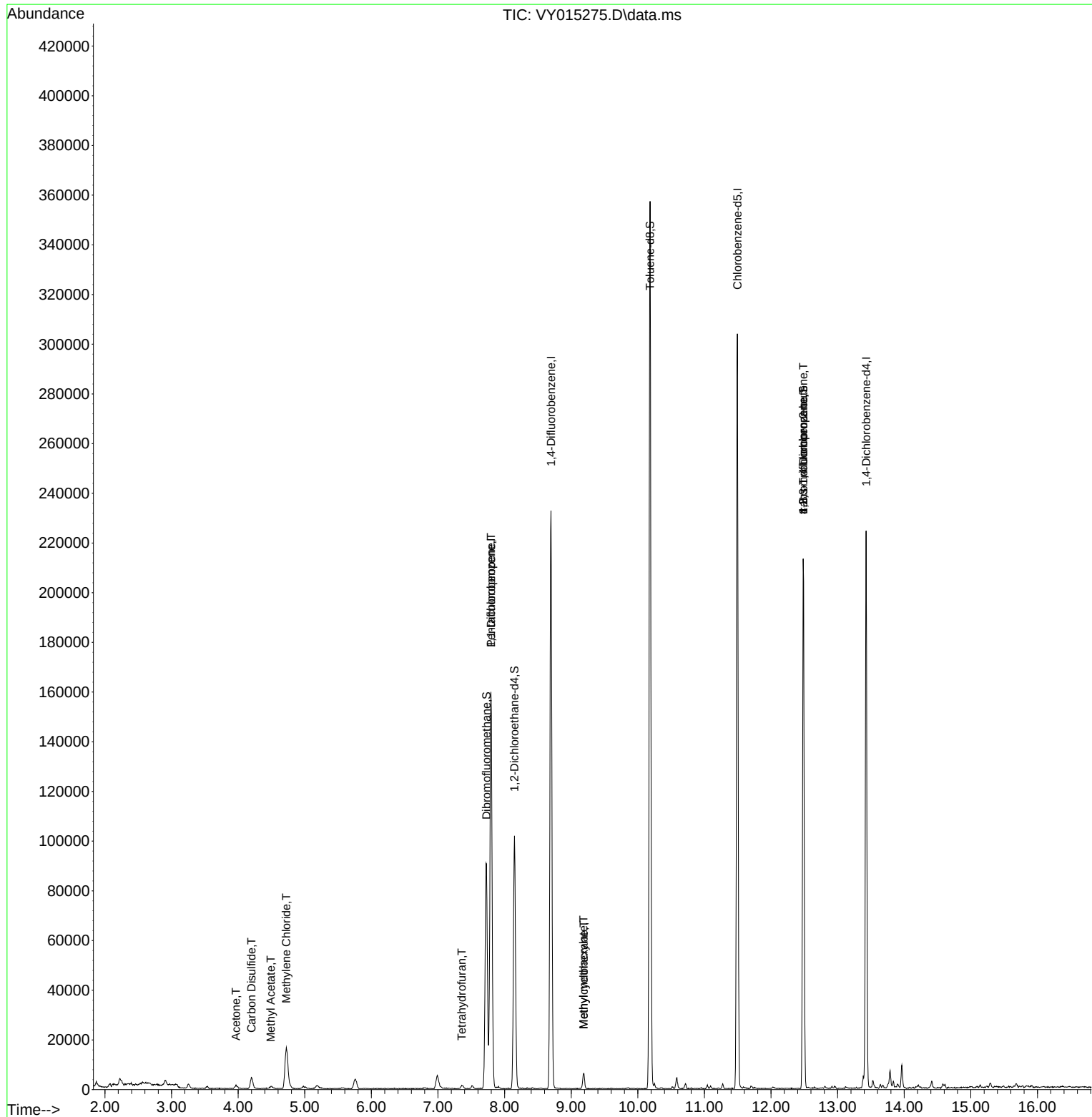
Internal Standards						
1) Pentafluorobenzene	7.795	168	122877	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	199800	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	163957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79428	53.849	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.728	113	65300	50.802	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.600%	
50) Toluene-d8	10.185	98	234003	48.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.483	95	59829	34.233	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 68.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	191	Below Cal	#	30
5) Bromomethane	2.631	94	20	Below Cal	#	52
11) Tert butyl alcohol	4.979	59	1015	Below Cal	#	95
16) Acetone	3.967	43	1908	3.960	ug/l #	84
17) Carbon Disulfide	4.198	76	9273	6.162	ug/l	98
18) Methyl Acetate	4.491	43	2054	1.163	ug/l	92
20) Methylene Chloride	4.722	84	12585	7.194	ug/l #	81
29) Tetrahydrofuran	7.356	42	1115	2.733	ug/l	100
36) 1,1-Dichloropropene	7.795	75	9695	6.818	ug/l #	50
39) Methylcyclohexane	9.191	83	2721	1.707	ug/l #	77
48) Methyl methacrylate	9.185	41	1289	1.248	ug/l #	67
76) 1,2,3-Trichloropropane	12.483	75	32301	47.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32301	104.982	ug/l #	11

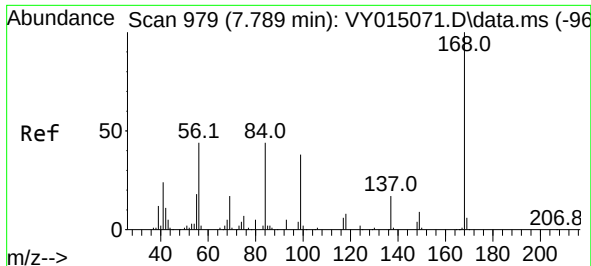
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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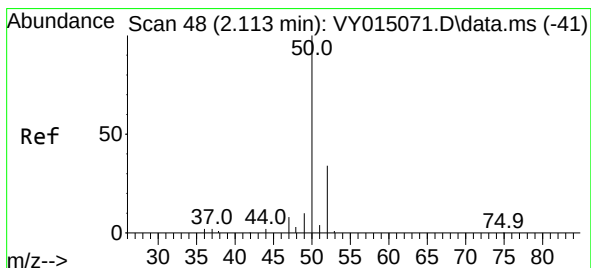
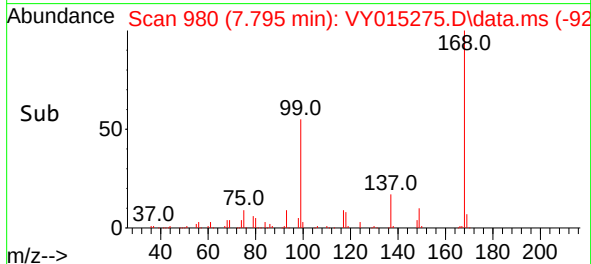
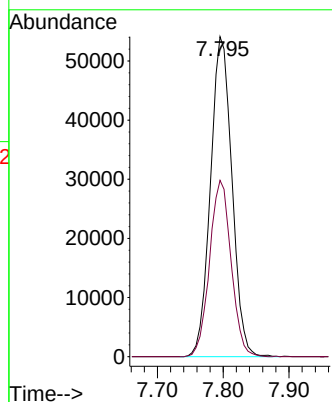
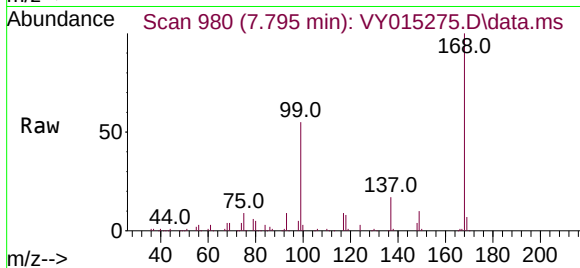




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

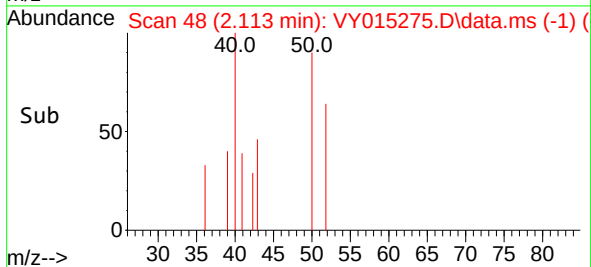
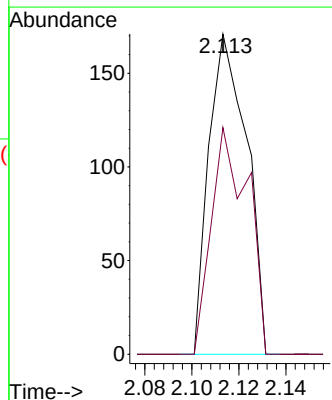
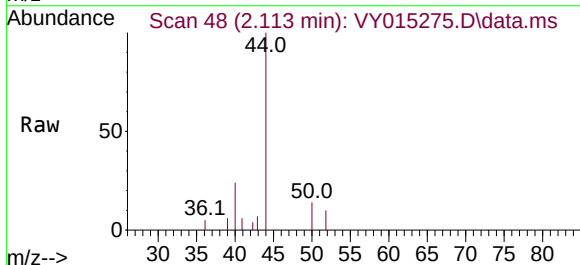
Instrument :
MSVOA_Y
ClientSampleId :
TP-26(1-2)

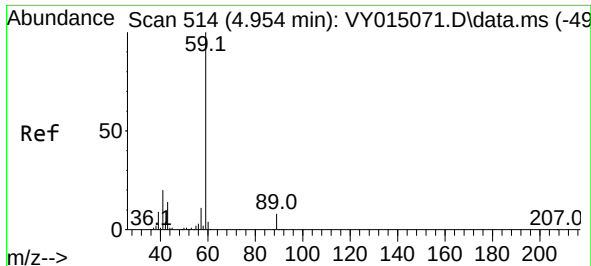
Tgt Ion:168 Resp: 122877
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 70.8 25.4 38.2#

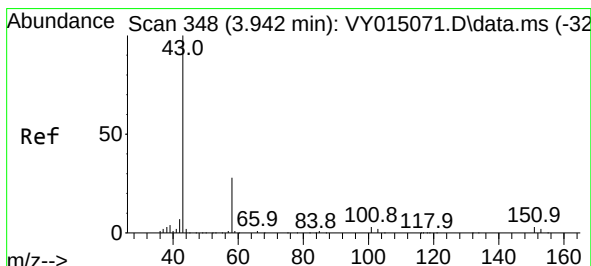
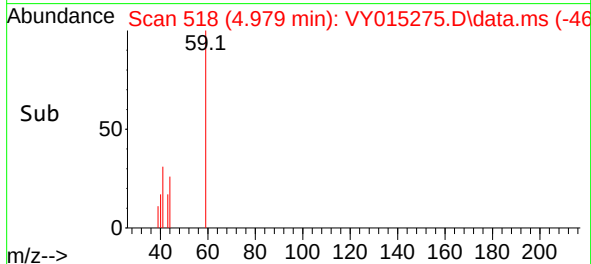
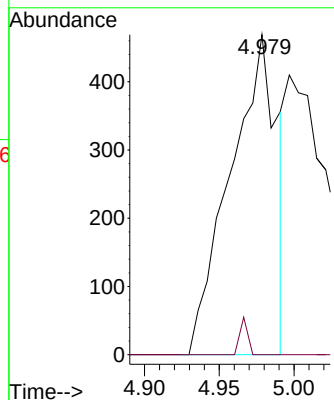
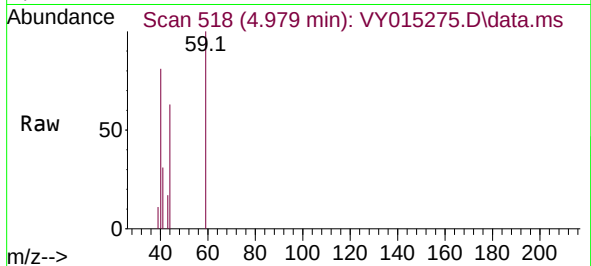




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 514
Delta R.T. 0.031 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

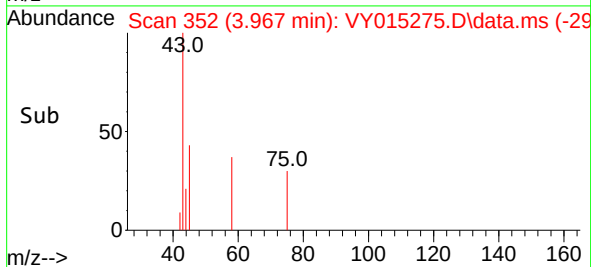
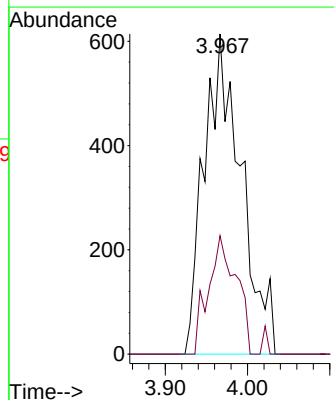
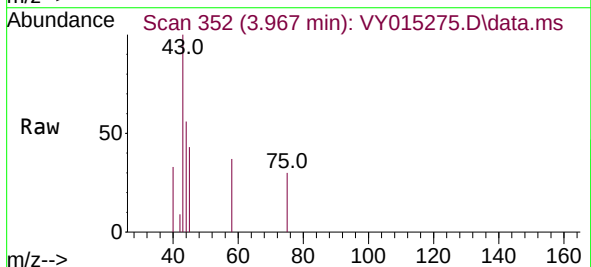
Instrument :
MSVOA_Y
ClientSampleId :
TP-26(1-2)

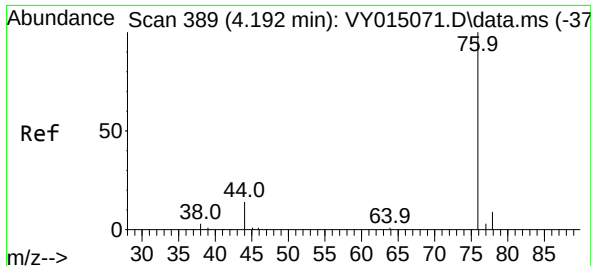
Tgt Ion: 59 Resp: 1015
Ion Ratio Lower Upper
59 100
57 2.0 3.0 4.4#



#16
Acetone
Concen: 3.960 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.025 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 37.0 22.7 34.1#





#17

Carbon Disulfide

Concen: 6.162 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

Instrument :

MSVOA_Y

ClientSampleId :

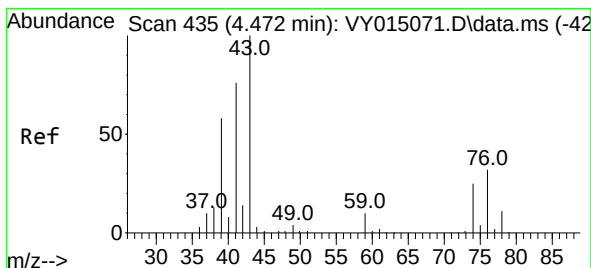
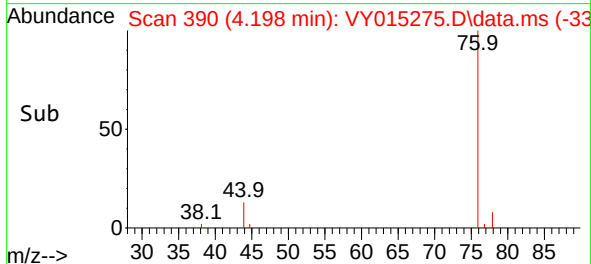
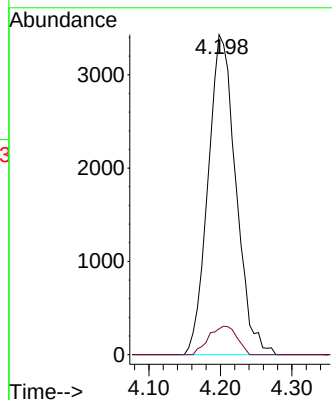
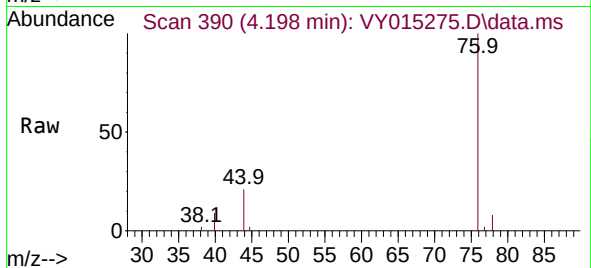
TP-26(1-2)

Tgt Ion: 76 Resp: 9273

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.4



#18

Methyl Acetate

Concen: 1.163 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.025 min

Lab File: VY015275.D

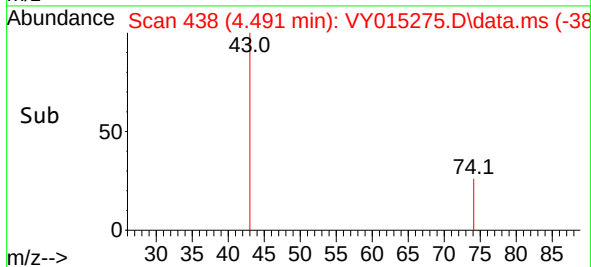
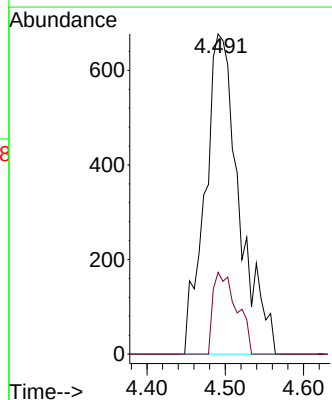
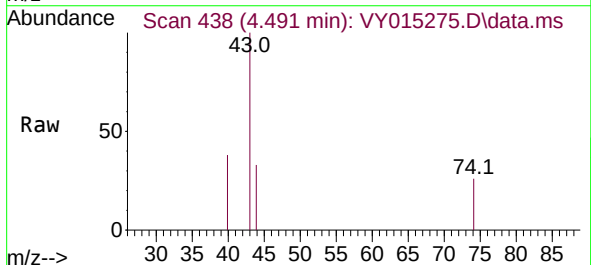
Acq: 23 Aug 2023 03:46

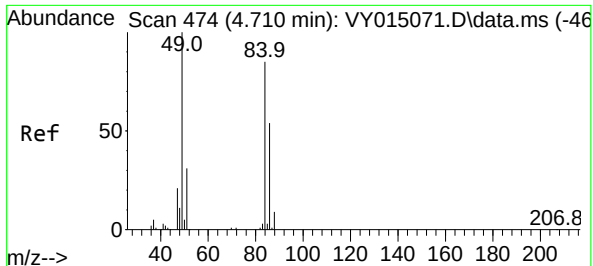
Tgt Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

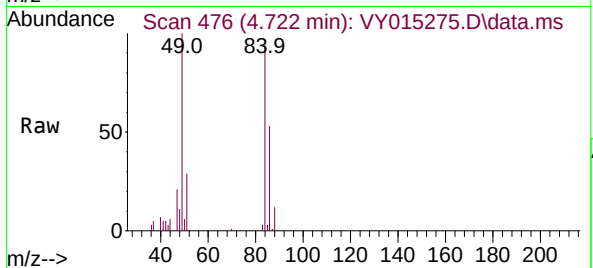
74 17.7 17.4 26.0



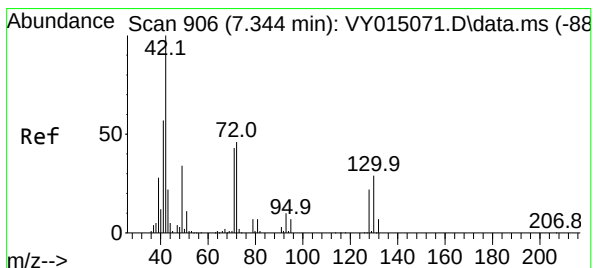
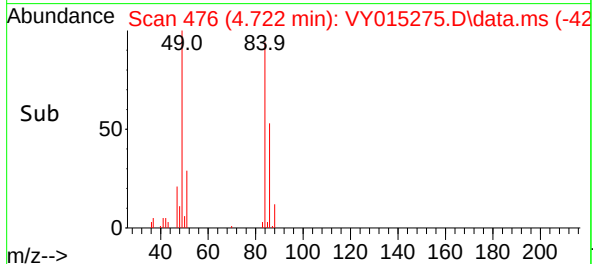
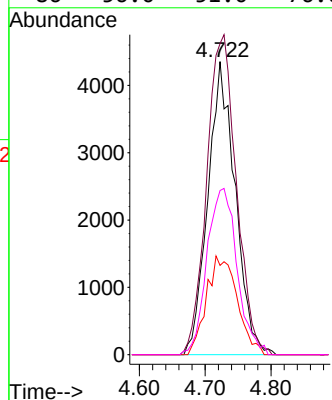


#20
Methylene Chloride
Concen: 7.194 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-26(1-2)

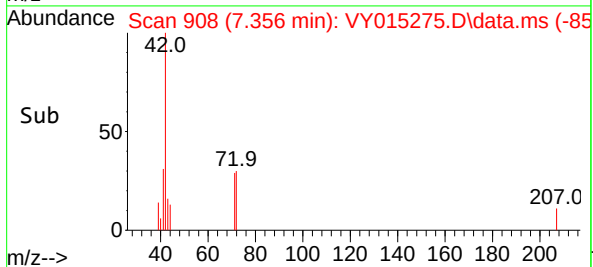
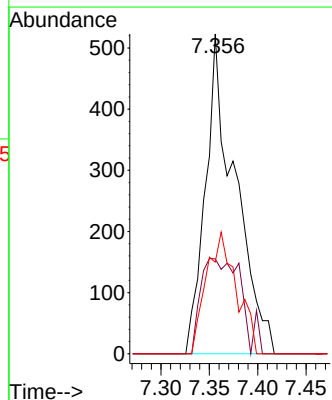
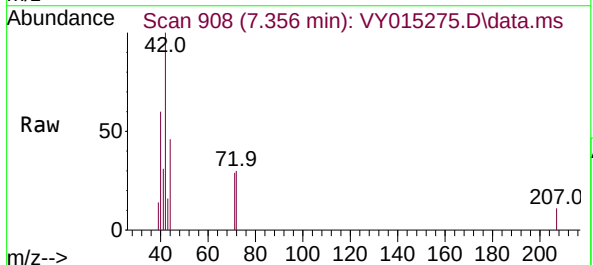


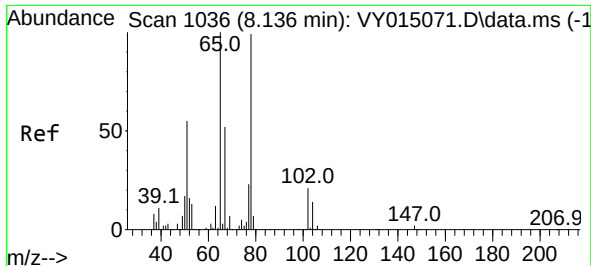
Tgt Ion:	84	Resp:	12585
Ion	Ratio	Lower	Upper
84	100		
49	106.2	106.9	160.3#
51	30.4	33.2	49.8#
86	56.0	51.0	76.6



#29
Tetrahydrofuran
Concen: 2.733 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion:	42	Resp:	1115
Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.8	49.2
71	38.7	31.0	46.4





#33

1,2-Dichloroethane-d4

Concen: 53.849 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

Instrument :

MSVOA_Y

ClientSampleId :

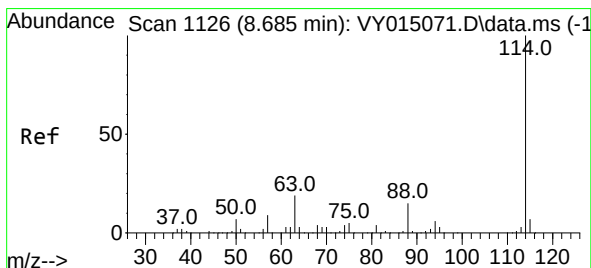
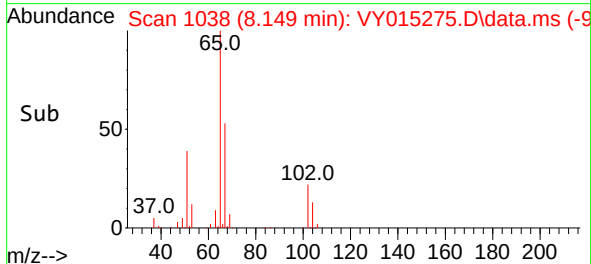
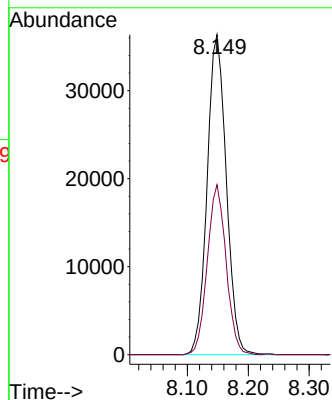
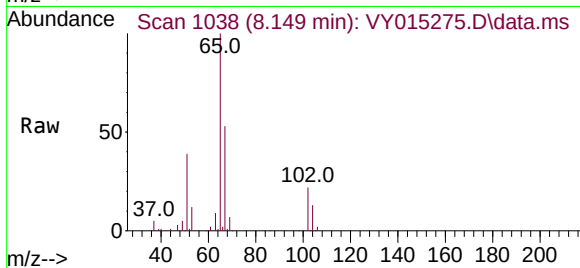
TP-26(1-2)

Tgt Ion: 65 Resp: 79428

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

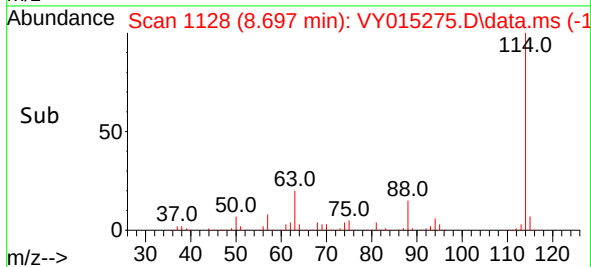
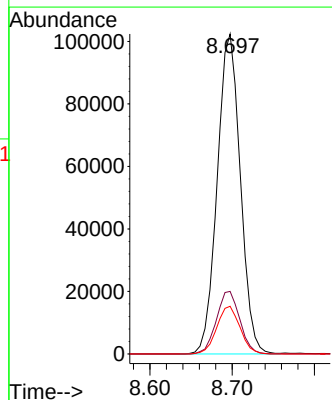
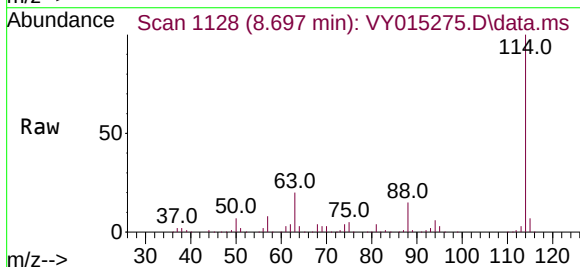
Tgt Ion: 114 Resp: 199800

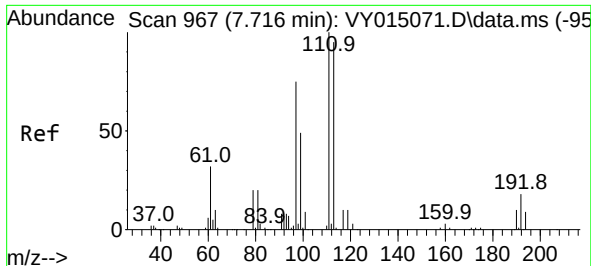
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.9 0.0 30.6

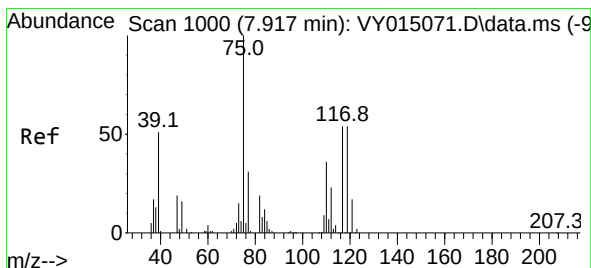
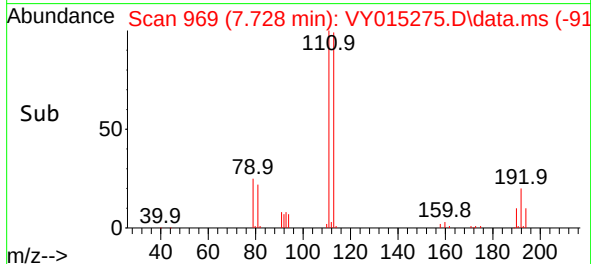
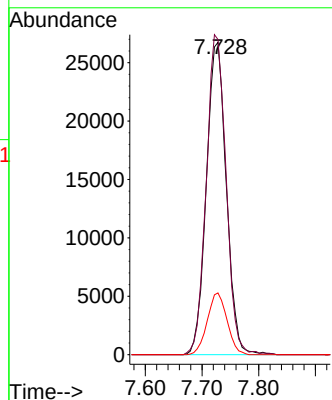
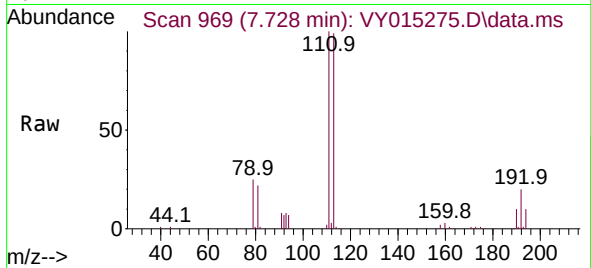




#35
Dibromofluoromethane
Concen: 50.802 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

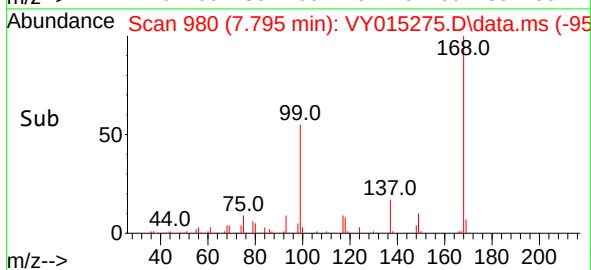
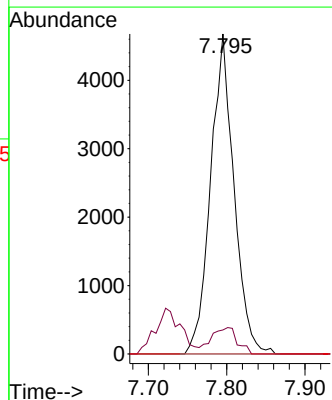
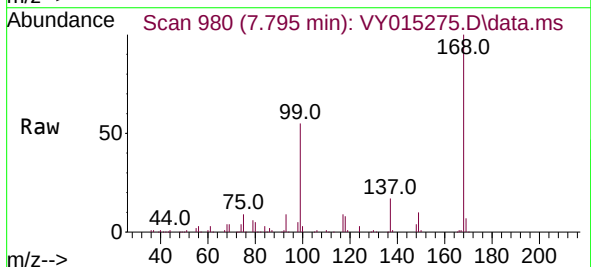
Instrument :
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TP-26(1-2)

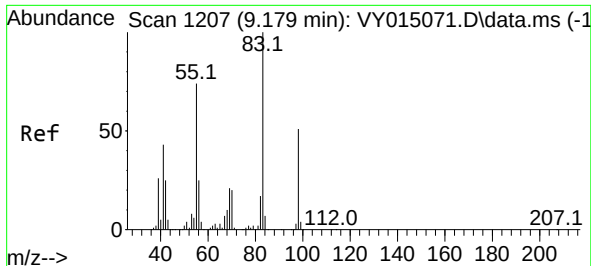
Tgt Ion:113 Resp: 65300
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.818 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion: 75 Resp: 9695
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.707 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-26(1-2)

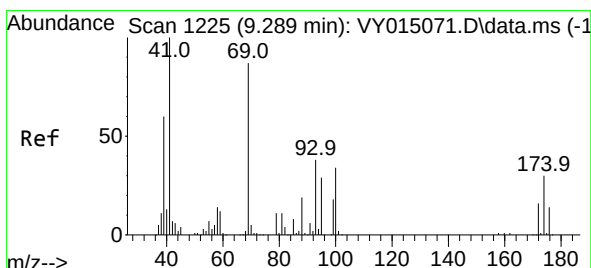
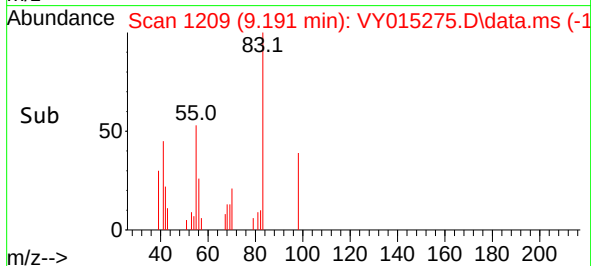
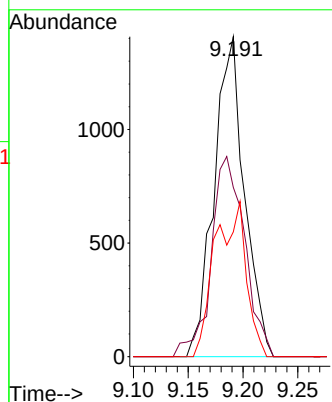
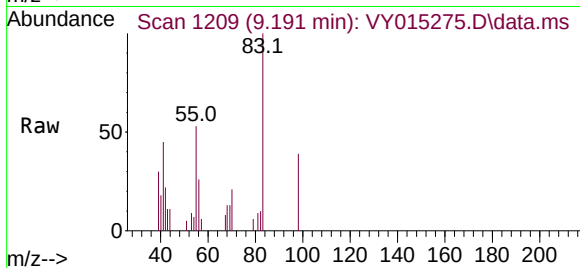
Tgt Ion: 83 Resp: 2721

Ion Ratio Lower Upper

83 100

55 52.9 63.0 94.4#

98 39.0 37.4 56.2



#48

Methyl methacrylate

Concen: 1.248 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. -0.103 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

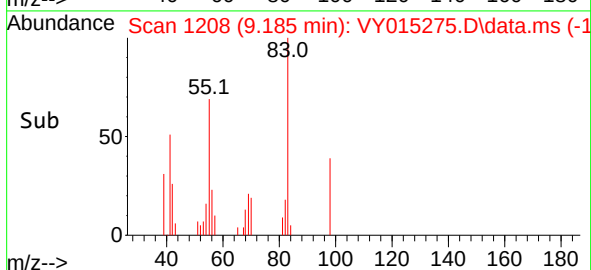
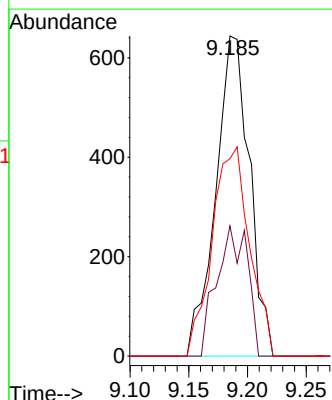
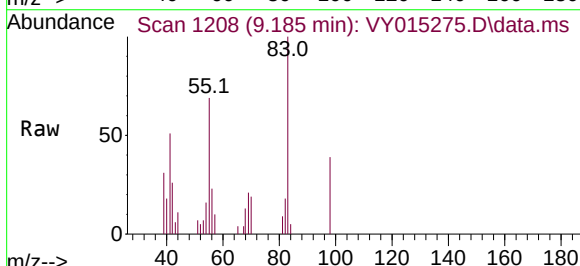
Tgt Ion: 41 Resp: 1289

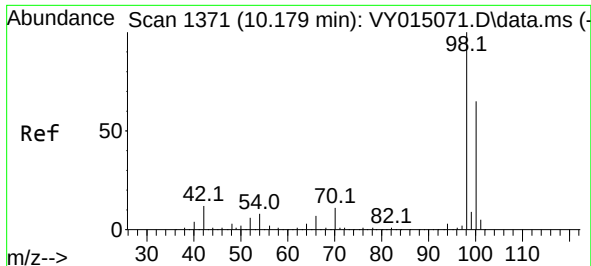
Ion Ratio Lower Upper

41 100

69 36.7 64.5 96.7#

39 72.4 50.8 76.2

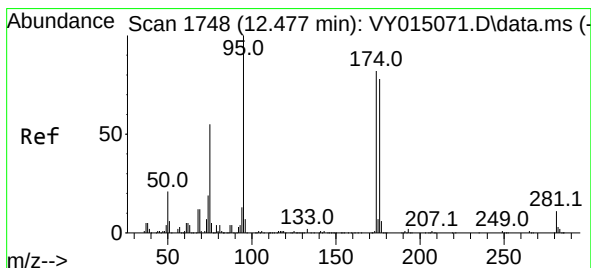
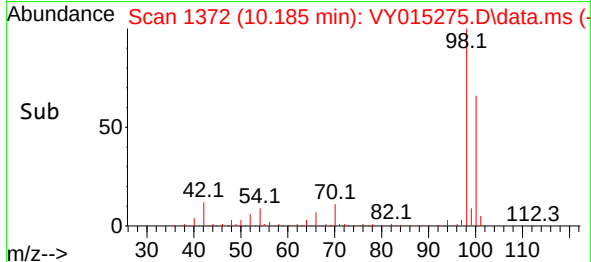
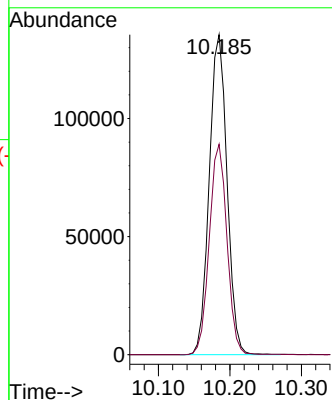
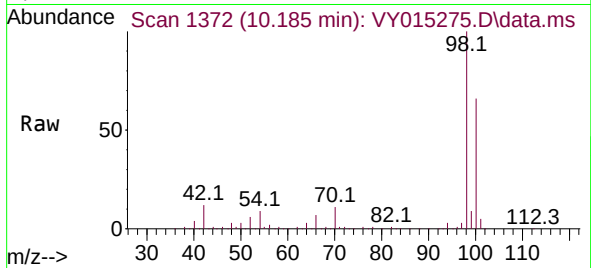




#50
Toluene-d8
Concen: 48.904 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

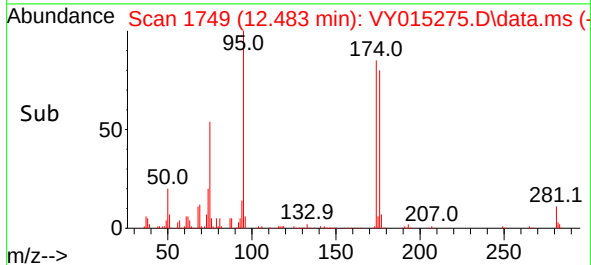
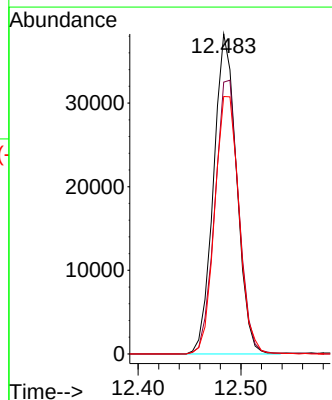
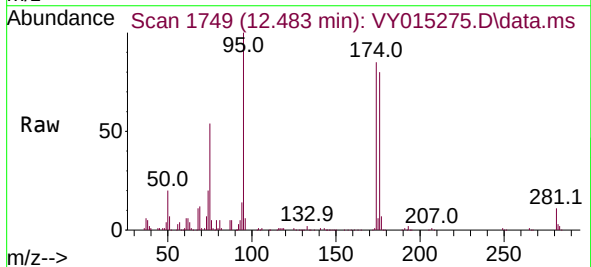
Instrument :
MSVOA_Y
ClientSampleId :
TP-26(1-2)

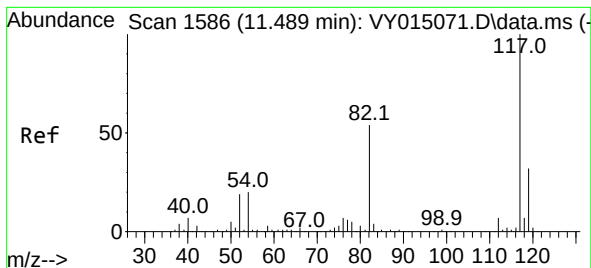
Tgt Ion: 98 Resp: 234003
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 34.233 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion: 95 Resp: 59829
Ion Ratio Lower Upper
95 100
174 88.1 0.0 178.2
176 84.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

Instrument :

MSVOA_Y

ClientSampleId :

TP-26(1-2)

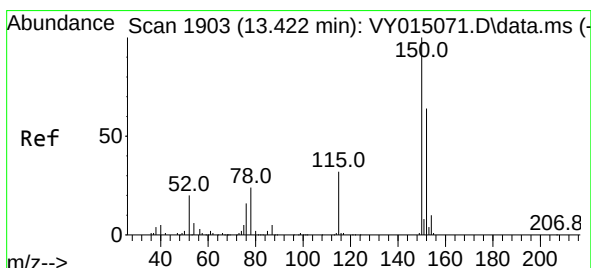
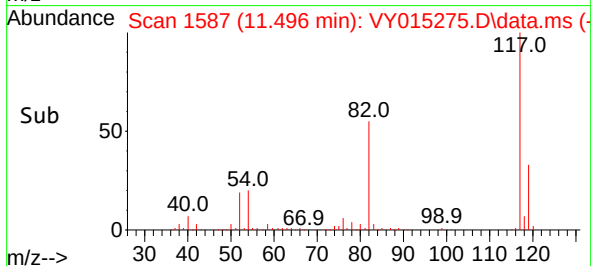
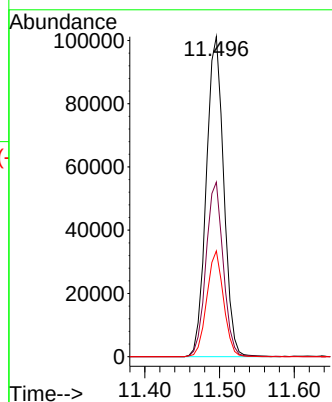
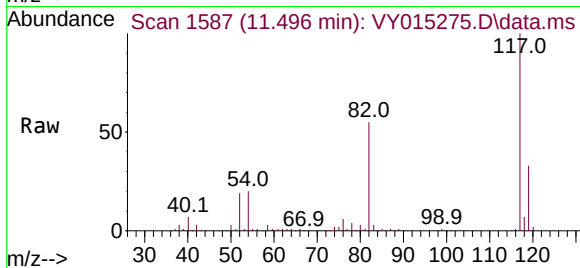
Tgt Ion:117 Resp: 163957

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 33.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015275.D

Acq: 23 Aug 2023 03:46

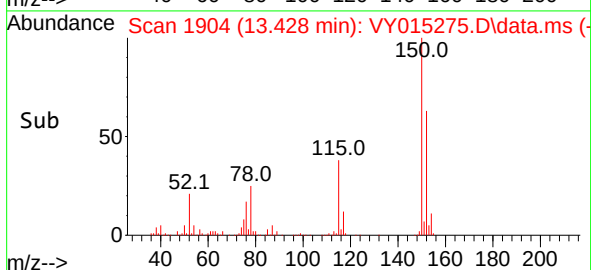
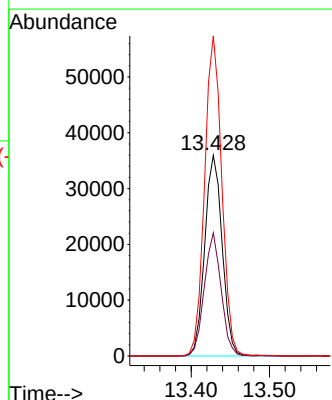
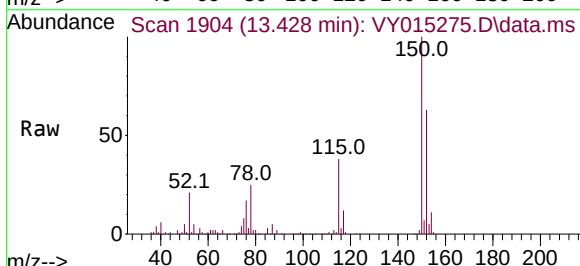
Tgt Ion:152 Resp: 55626

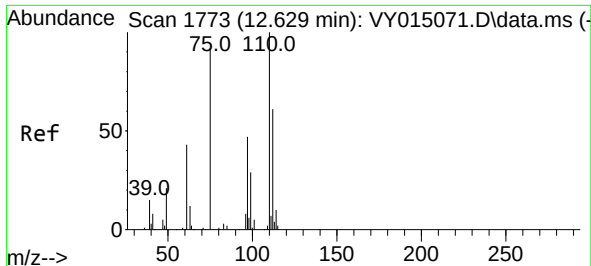
Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 156.9 0.0 348.8

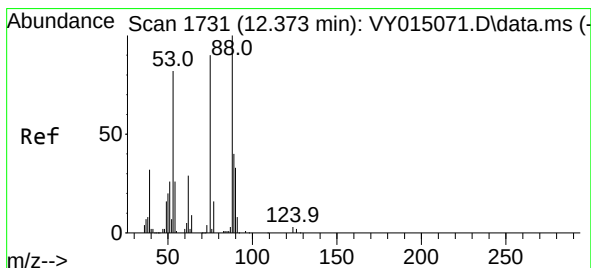
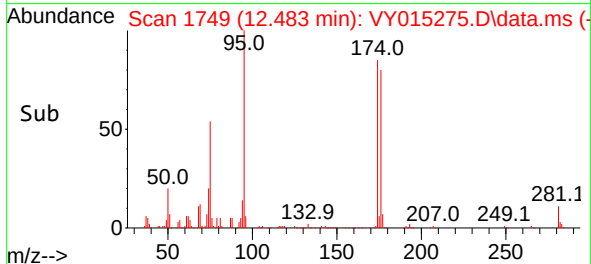
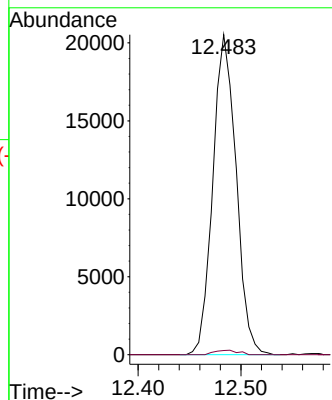
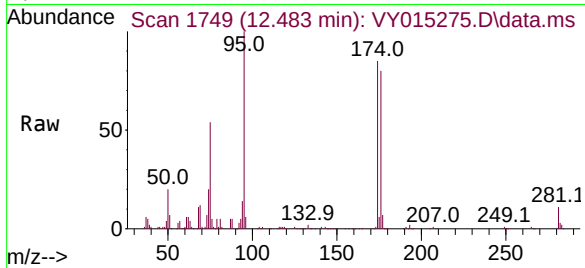




#76
1,2,3-Trichloropropane
Concen: 47.796 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Instrument :
MSVOA_Y
ClientSampleId :
TP-26(1-2)

Tgt Ion: 75 Resp: 32301
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015275.D
Acq: 23 Aug 2023 03:46

Tgt Ion: 75 Resp: 32301
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

