

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015276.D
 Acq On : 23 Aug 2023 04:10
 Operator : SY/MD
 Sample : 04110-20
 Misc : 3.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28(1.5-2.5)

Quant Time: Aug 23 05:01:30 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)

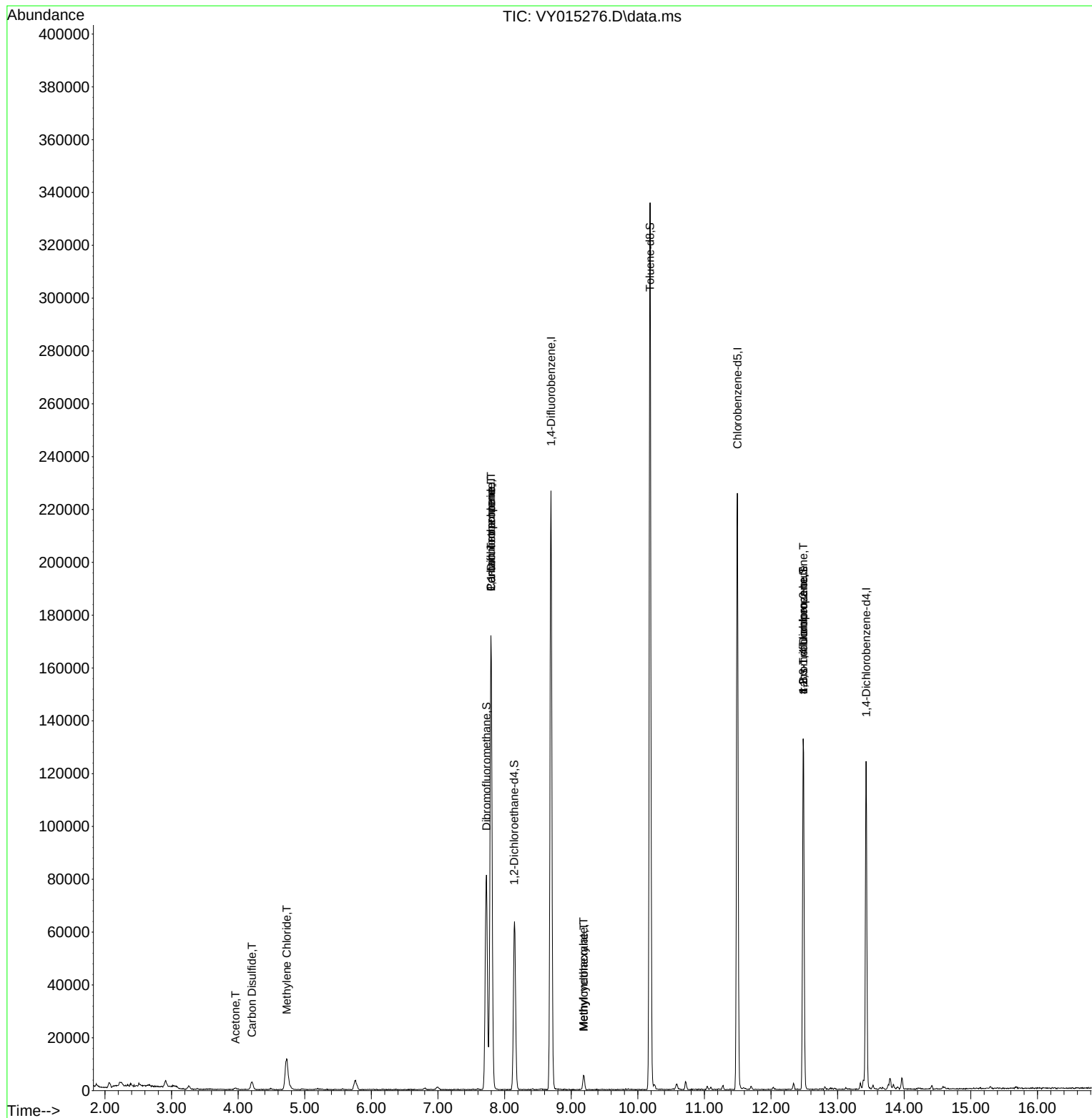
Internal Standards						
1) Pentafluorobenzene	7.795	168	131759	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	193187	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	124937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	32555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51458	32.535	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	65.060%		
35) Dibromofluoromethane	7.728	113	56339	45.331	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.660%		
50) Toluene-d8	10.185	98	216343	46.761	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.520%		
62) 4-Bromofluorobenzene	12.483	95	38665	22.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	45.760%		
Target Compounds						
2) Dichlorodifluoromethane	1.912	85	20	Below Cal	#	43
3) Chloromethane	2.113	50	146	Below Cal	#	43
5) Bromomethane	2.668	94	352	Below Cal	#	69
11) Tert butyl alcohol	4.948	59	187	Below Cal	#	89
16) Acetone	3.960	43	1101	2.131	ug/l	93
17) Carbon Disulfide	4.204	76	6064	3.758	ug/l #	95
20) Methylene Chloride	4.728	84	8711	2.968	ug/l	93
36) 1,1-Dichloropropene	7.795	75	10101	7.346	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12947	7.956	ug/l #	16
39) Methylcyclohexane	9.191	83	2202	1.429	ug/l	88
48) Methyl methacrylate	9.185	41	1027	1.029	ug/l #	80
76) 1,2,3-Trichloropropane	12.483	75	20769	52.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20769	115.339	ug/l #	11

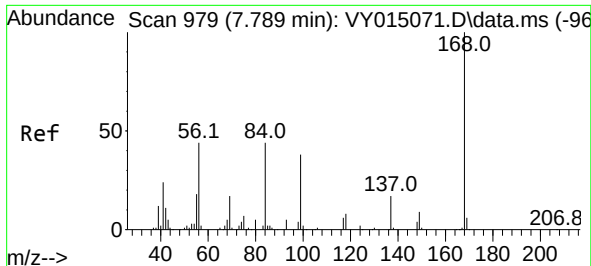
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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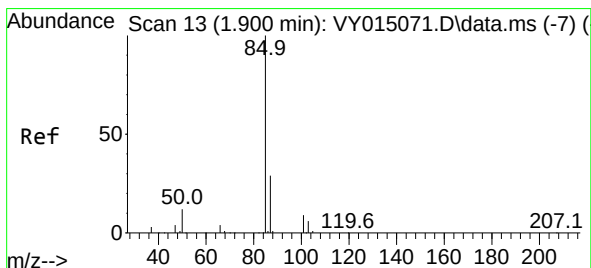
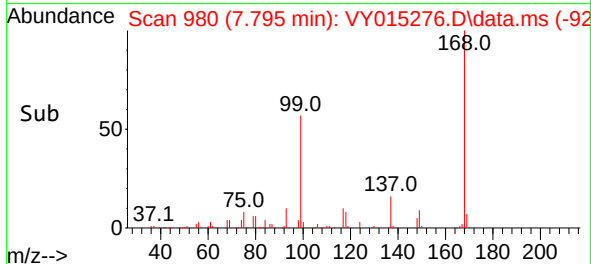
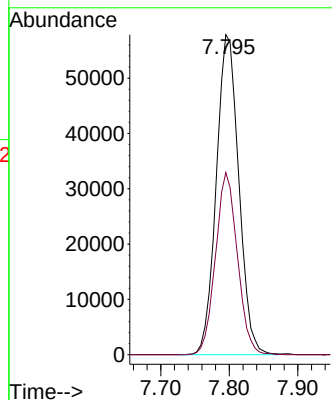
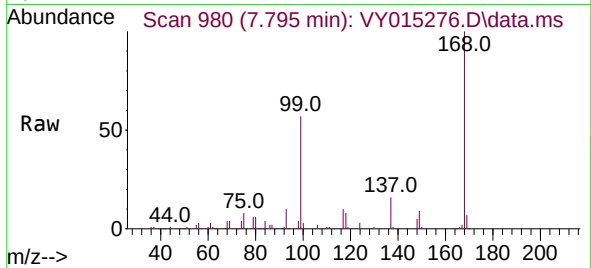




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

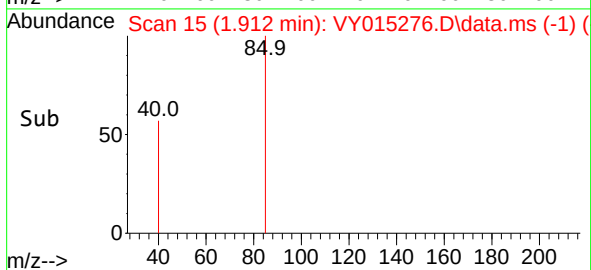
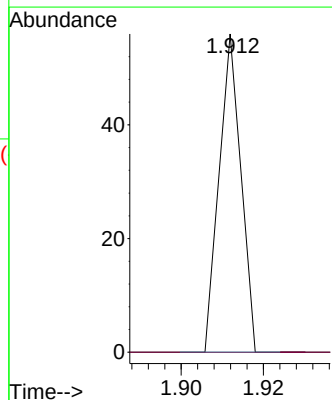
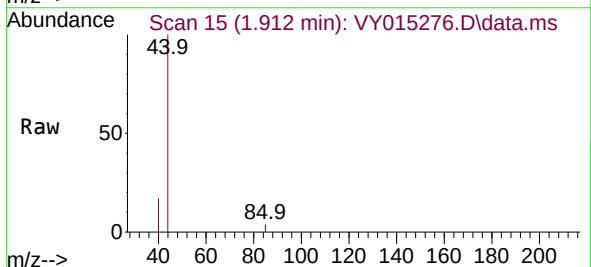
Instrument :
MSVOA_Y
ClientSampleId :
TP-28(1.5-2.5)

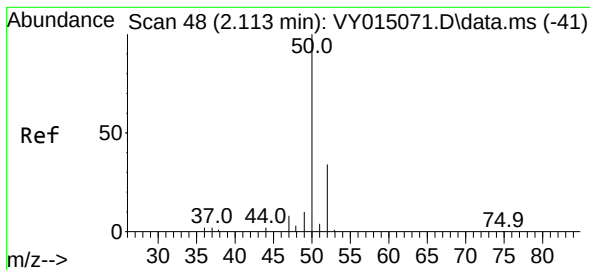
Tgt Ion:168 Resp: 131759
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

Instrument :

MSVOA_Y

ClientSampleId :

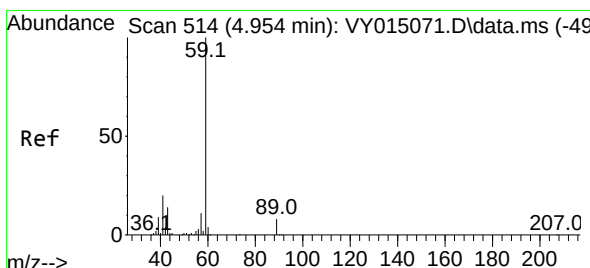
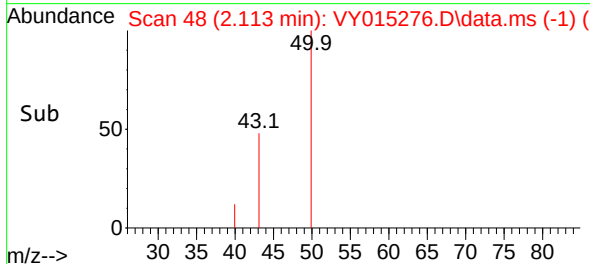
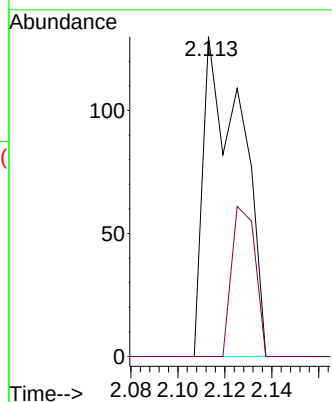
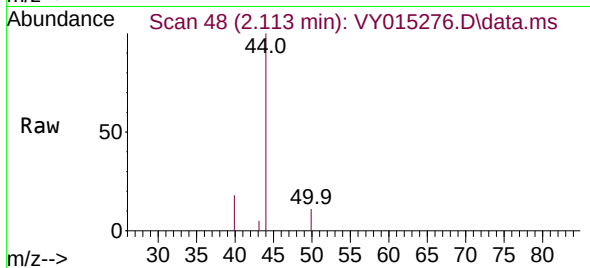
TP-28(1.5-2.5)

Tgt Ion: 50 Resp: 146

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY015276.D

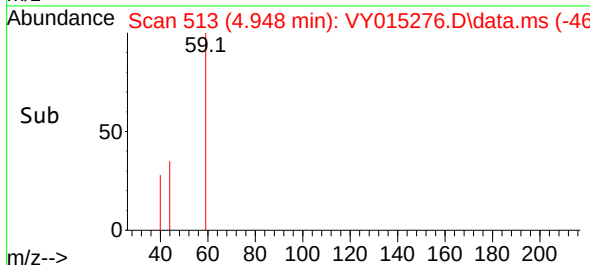
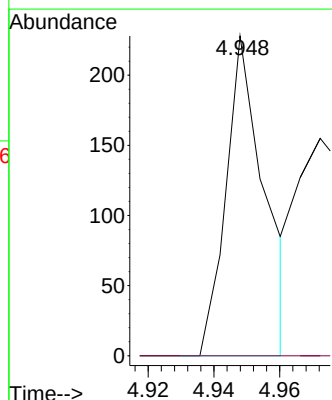
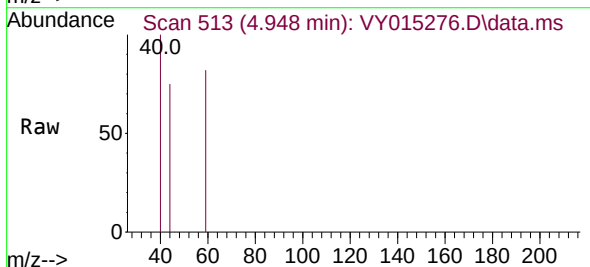
Acq: 23 Aug 2023 04:10

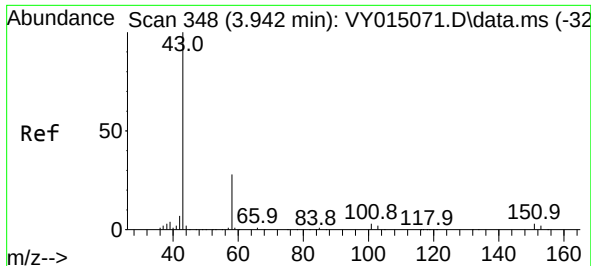
Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.131 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

Instrument :

MSVOA_Y

ClientSampleId :

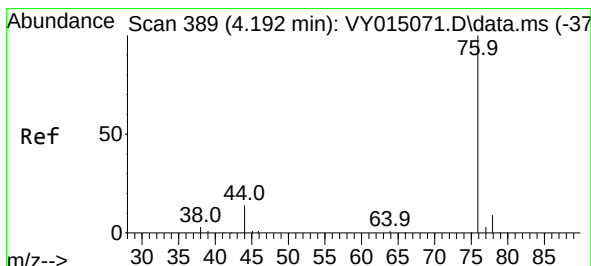
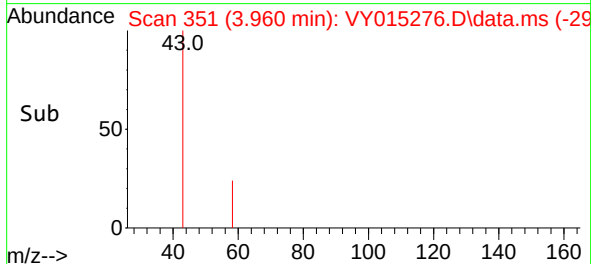
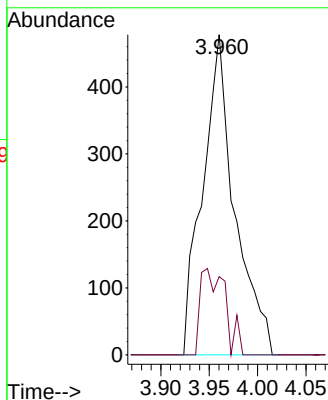
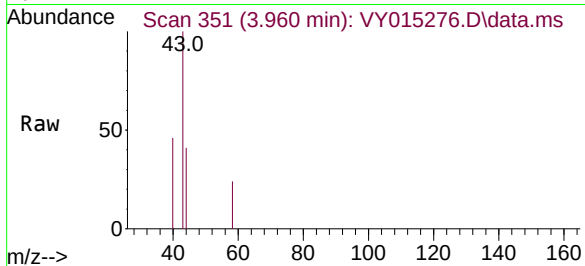
TP-28(1.5-2.5)

Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

58 24.5 22.7 34.1



#17

Carbon Disulfide

Concen: 3.758 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015276.D

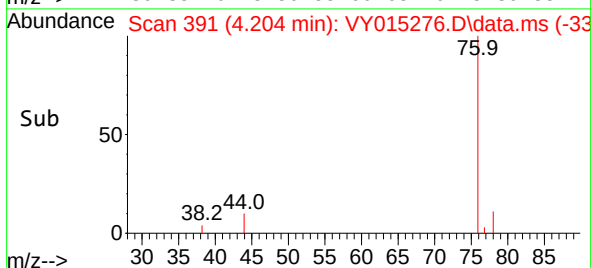
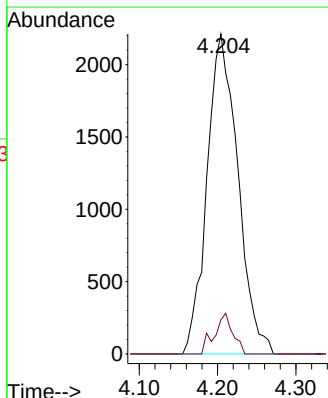
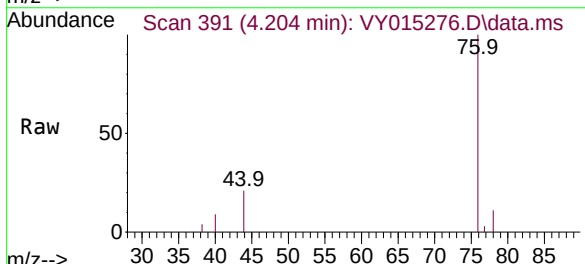
Acq: 23 Aug 2023 04:10

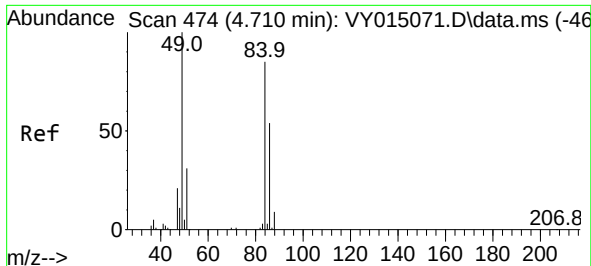
Tgt Ion: 76 Resp: 6064

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.4#

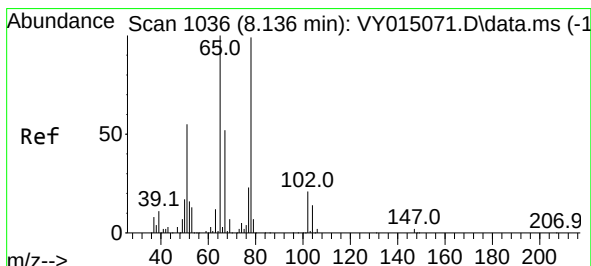
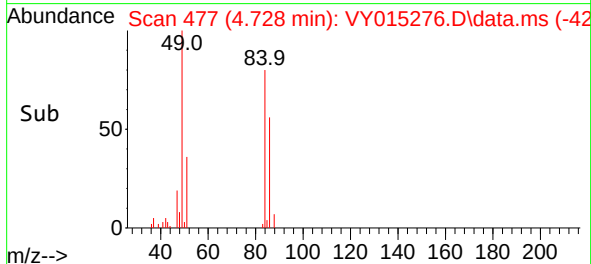
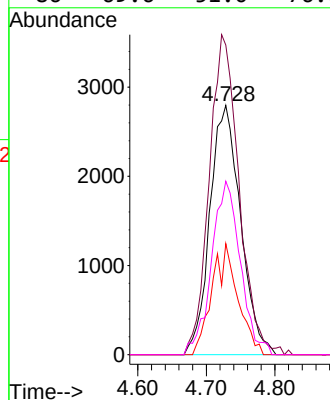
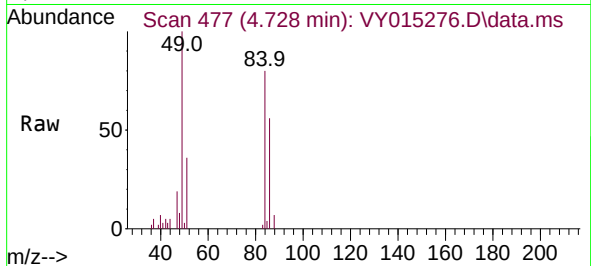




#20
Methylene Chloride
Concen: 2.968 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

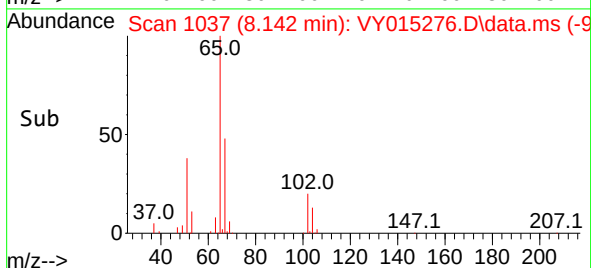
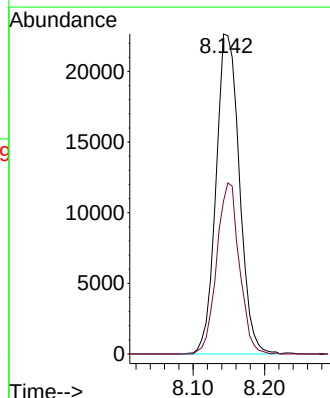
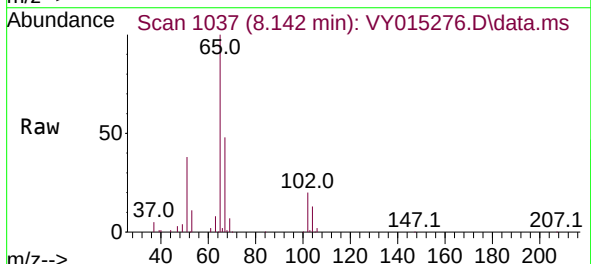
Instrument :
MSVOA_Y
ClientSampleId :
TP-28(1.5-2.5)

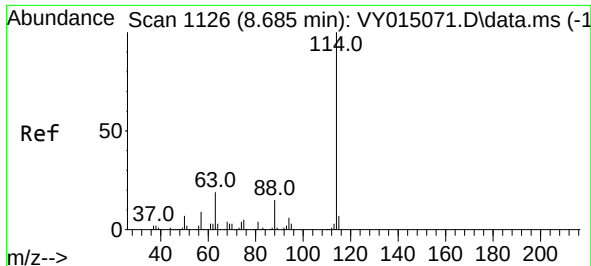
Tgt Ion:	84	Resp:	8711
Ion	Ratio	Lower	Upper
84	100		
49	124.3	106.9	160.3
51	44.5	33.2	49.8
86	69.6	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 32.535 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

Tgt Ion:	65	Resp:	51458
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.8

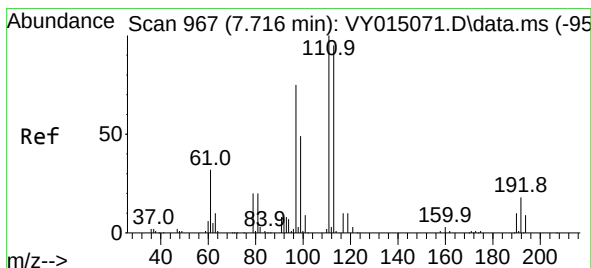
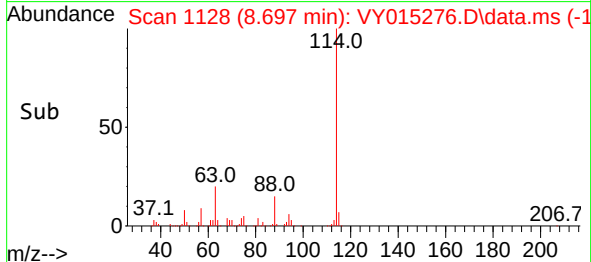
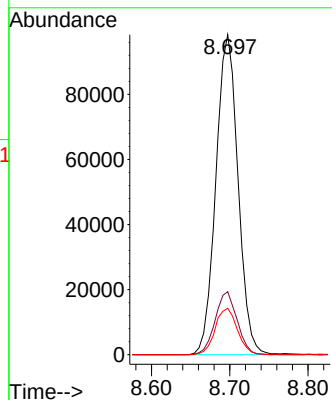
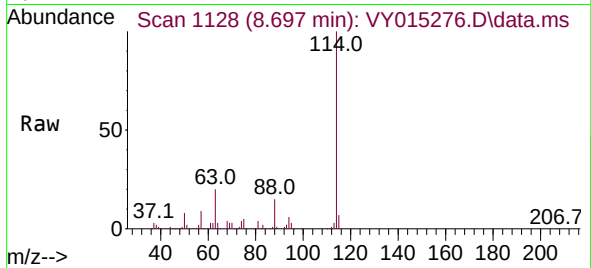




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

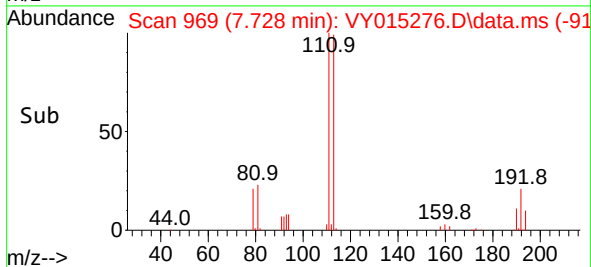
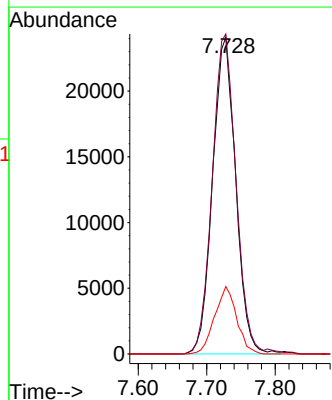
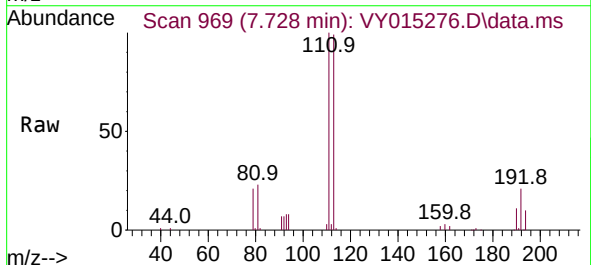
Instrument :
MSVOA_Y
ClientSampleId :
TP-28(1.5-2.5)

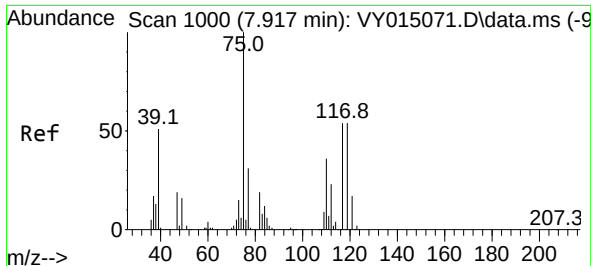
Tgt Ion:	114	Resp:	193187
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	42.4
88	14.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 45.331 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

Tgt Ion:	113	Resp:	56339
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.3	121.9
192	20.3	16.9	25.3

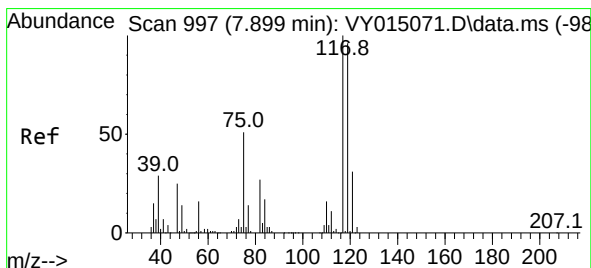
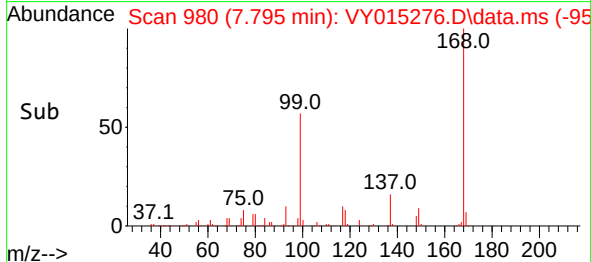
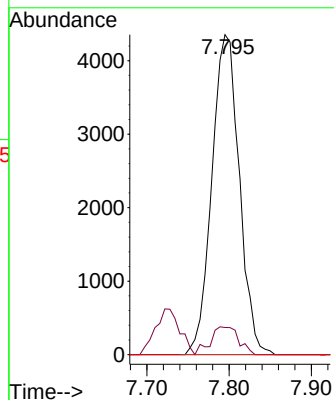
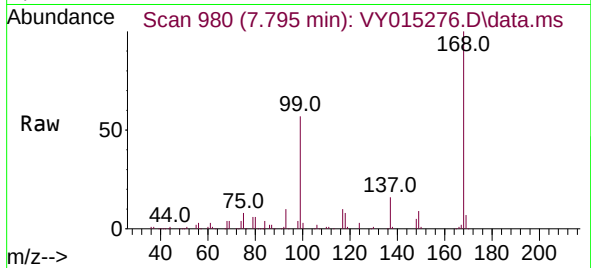




#36
 1,1-Dichloropropene
 Concen: 7.346 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY015276.D
 Acq: 23 Aug 2023 04:10

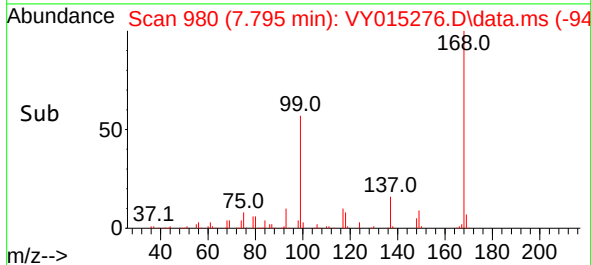
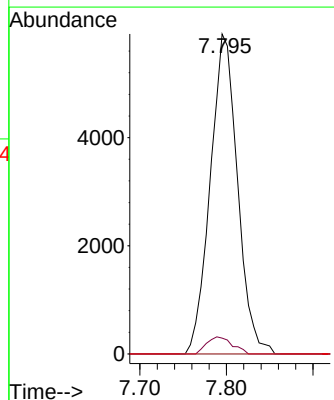
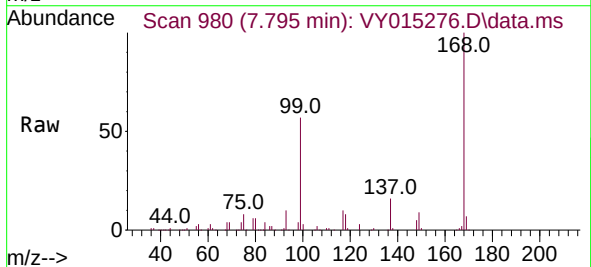
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 TP-28(1.5-2.5)

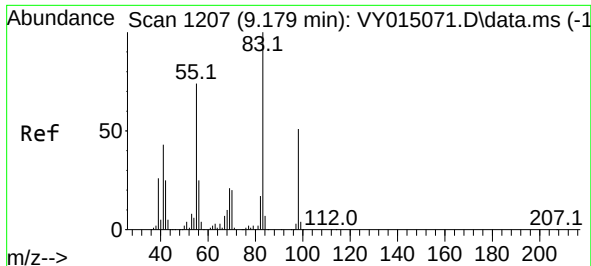
Tgt Ion: 75 Resp: 10101
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.956 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.104 min
 Lab File: VY015276.D
 Acq: 23 Aug 2023 04:10

Tgt Ion: 117 Resp: 12947
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.4 114.6#
 121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 1.429 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

Instrument :

MSVOA_Y

ClientSampleId :

TP-28(1.5-2.5)

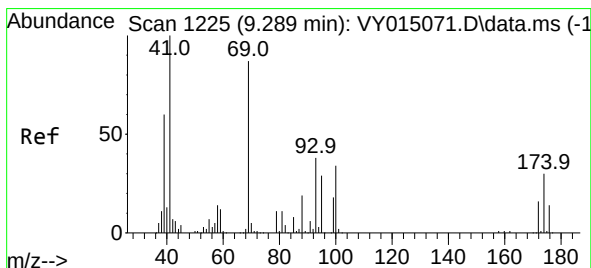
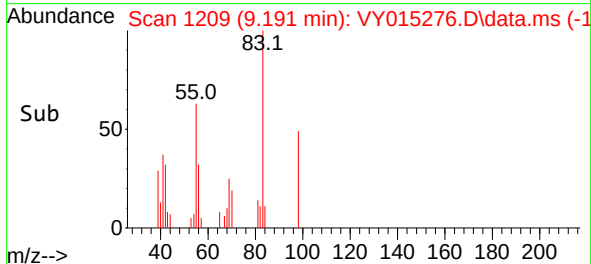
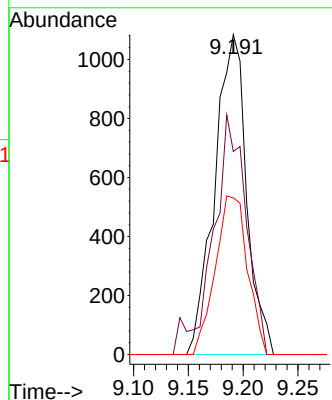
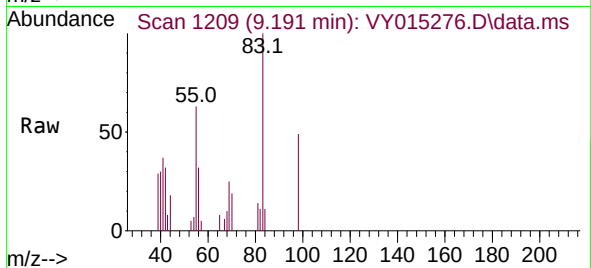
Tgt Ion: 83 Resp: 2202

Ion Ratio Lower Upper

83 100

55 63.5 63.0 94.4

98 49.0 37.4 56.2



#48

Methyl methacrylate

Concen: 1.029 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. -0.104 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

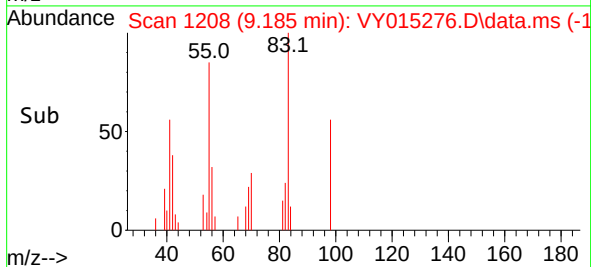
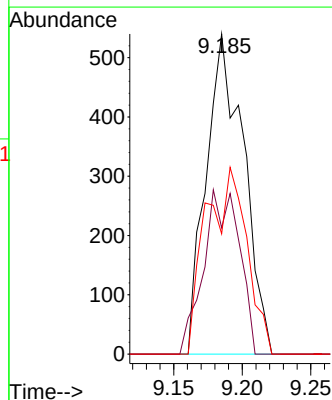
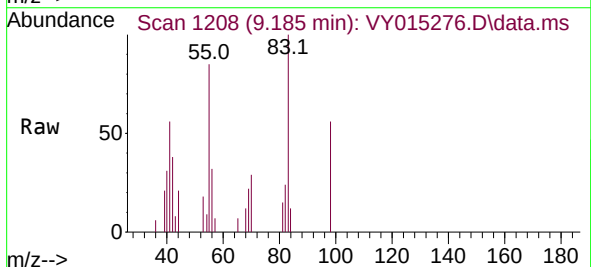
Tgt Ion: 41 Resp: 1027

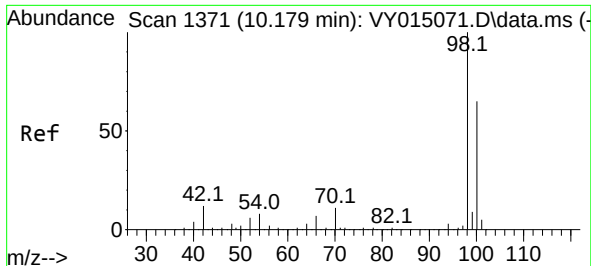
Ion Ratio Lower Upper

41 100

69 48.9 64.5 96.7#

39 63.6 50.8 76.2

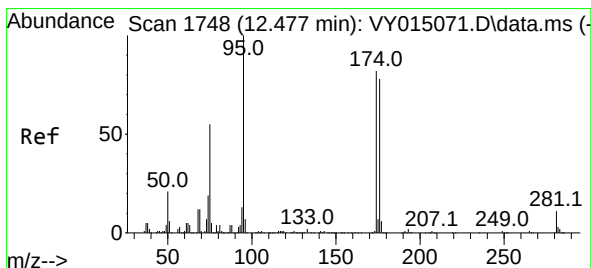
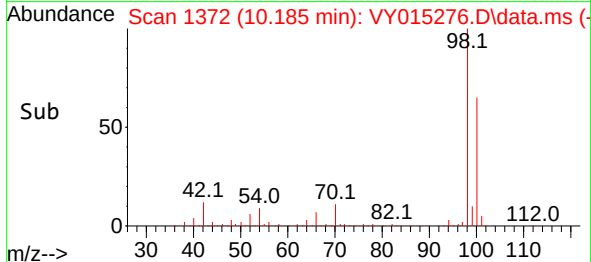
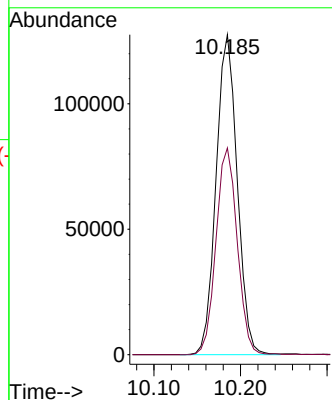
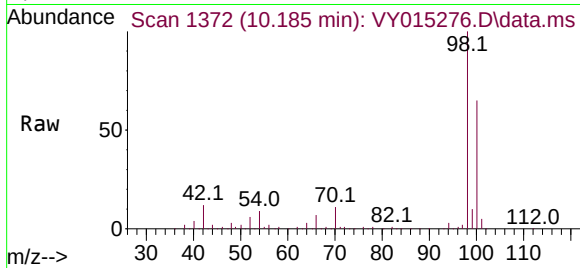




#50
Toluene-d8
Concen: 46.761 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

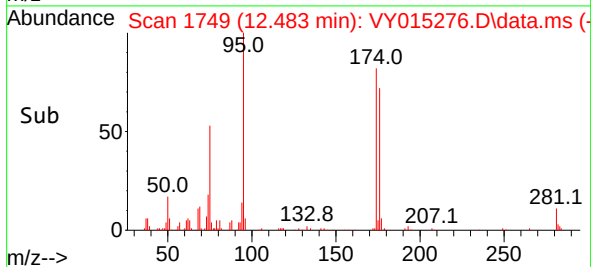
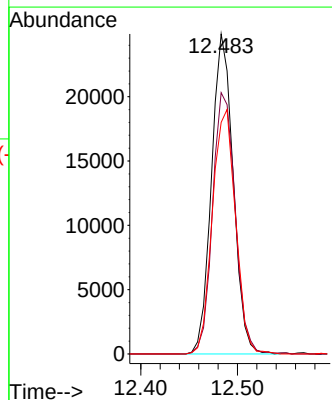
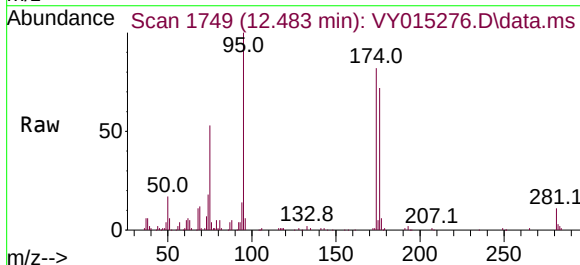
Instrument :
MSVOA_Y
ClientSampleId :
TP-28(1.5-2.5)

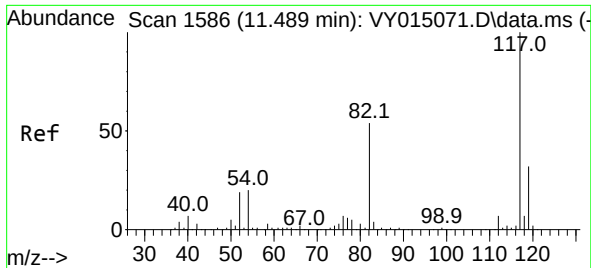
Tgt Ion: 98 Resp: 216343
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 22.881 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

Tgt Ion: 95 Resp: 38665
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 81.7 0.0 173.8

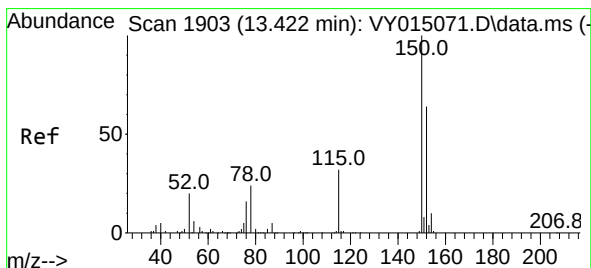
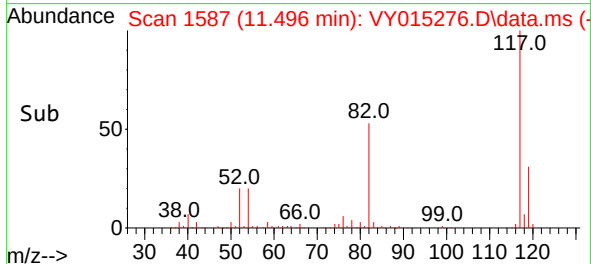
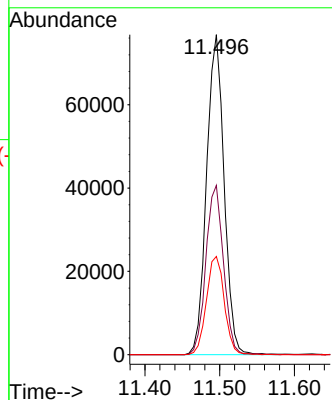
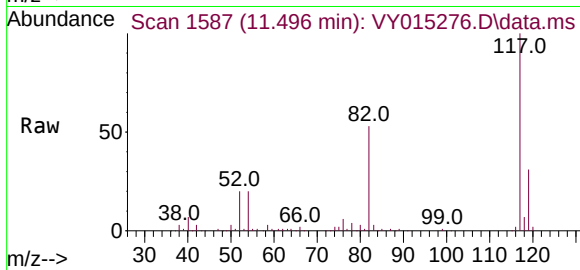




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

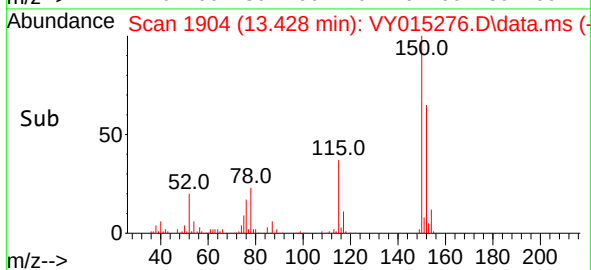
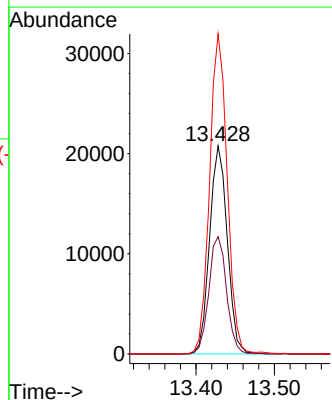
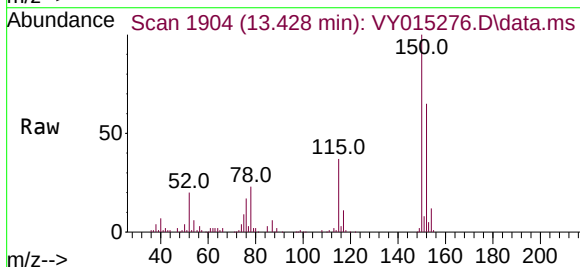
Instrument :
MSVOA_Y
ClientSampleId :
TP-28(1.5-2.5)

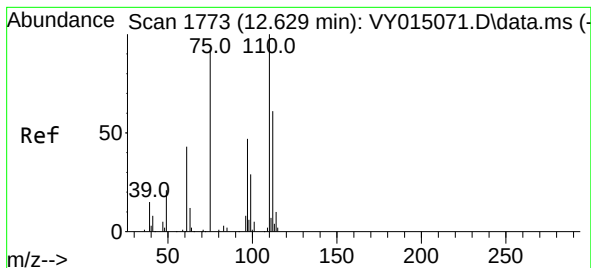
Tgt Ion:117 Resp: 124937
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 30.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015276.D
Acq: 23 Aug 2023 04:10

Tgt Ion:152 Resp: 32555
Ion Ratio Lower Upper
152 100
115 56.5 28.8 86.5
150 153.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 52.511 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

Instrument :

MSVOA_Y

ClientSampleId :

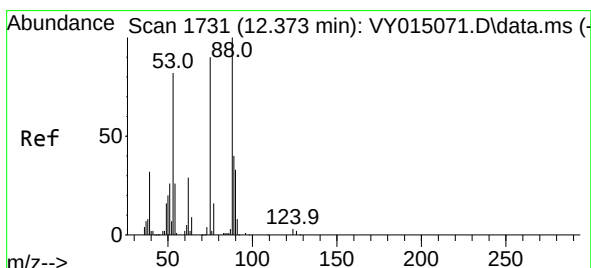
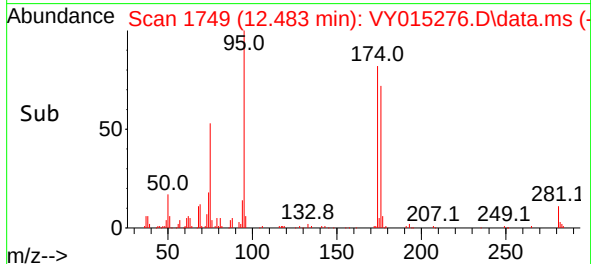
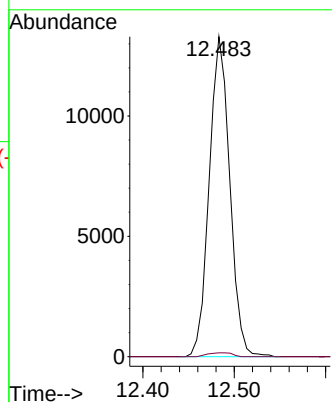
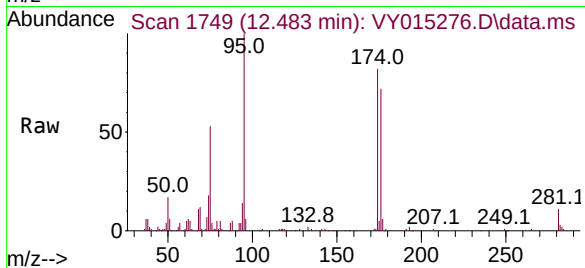
TP-28(1.5-2.5)

Tgt Ion: 75 Resp: 20769

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.339 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015276.D

Acq: 23 Aug 2023 04:10

Tgt Ion: 75 Resp: 20769

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

