

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080522\
 Data File : VY009866.D
 Acq On : 05 Aug 2022 21:20
 Operator : KP/MD
 Sample : N4064-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-13

Quant Time: Aug 06 01:22:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

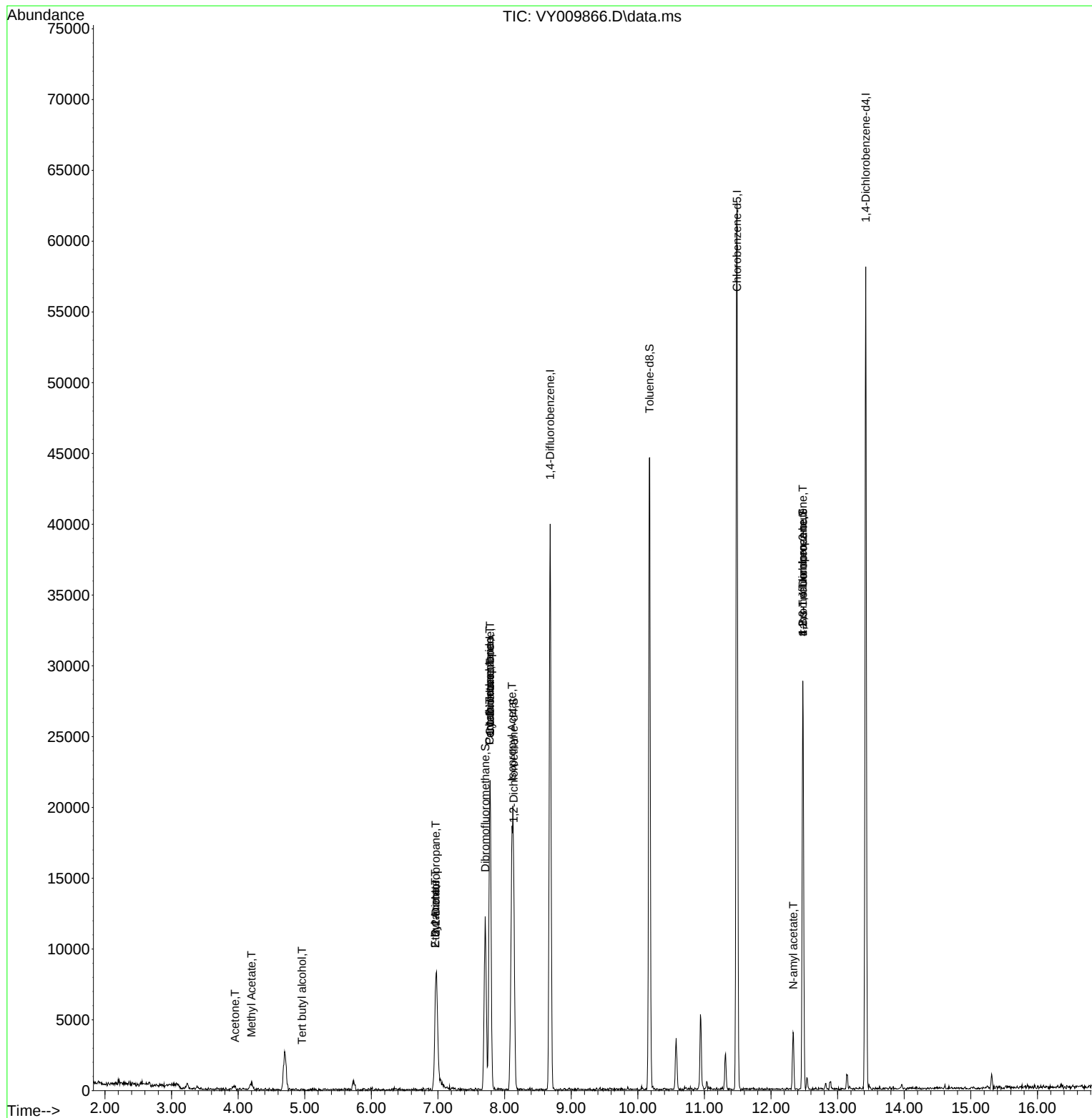
Internal Standards						
1) Pentafluorobenzene	7.777	168	17039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	33619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	14273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8979	66.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.100%
35) Dibromofluoromethane	7.710	113	8426	42.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.980%
50) Toluene-d8	10.179	98	29077	50.623	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.477	95	7752	29.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	58.420%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	124	Below Cal	#	42
11) Tert butyl alcohol	4.960	59	64	3.537	ug/l #	78
16) Acetone	3.954	43	552	11.445	ug/l #	45
18) Methyl Acetate	4.198	43	223	1.550	ug/l #	52
25) 2-Butanone	6.960	43	482	6.109	ug/l #	53
26) 2,2-Dichloropropane	6.966	77	548	1.704	ug/l #	52
31) Cyclohexane	7.783	56	409	1.269	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1635	5.029	ug/l #	41
37) Ethyl Acetate	6.960	43	482	2.276	ug/l #	1
38) Carbon Tetrachloride	7.777	117	1588	4.644	ug/l #	12
43) Isopropyl Acetate	8.112	43	395	1.070	ug/l #	16
74) N-amyl acetate	12.337	43	67	3.618	ug/l #	24
76) 1,2,3-Trichloropropane	12.477	75	4102	25.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4102	53.921	ug/l #	12

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

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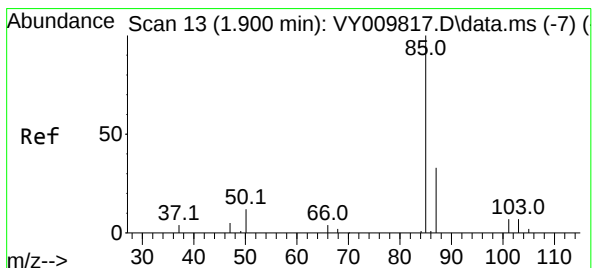
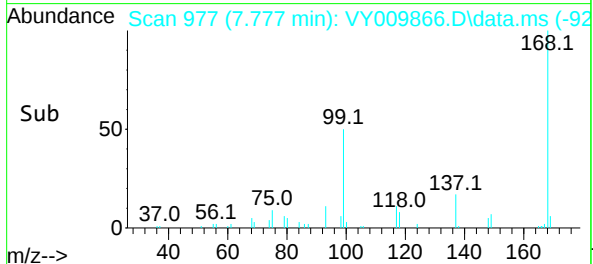
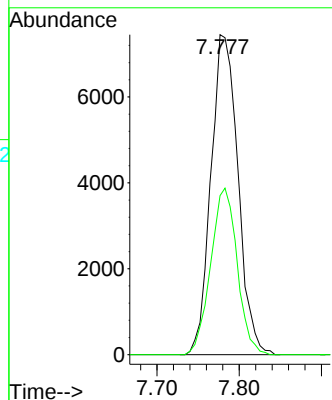
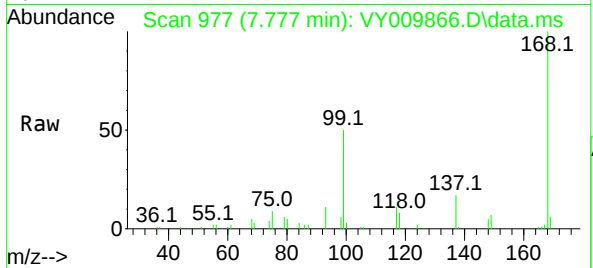




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

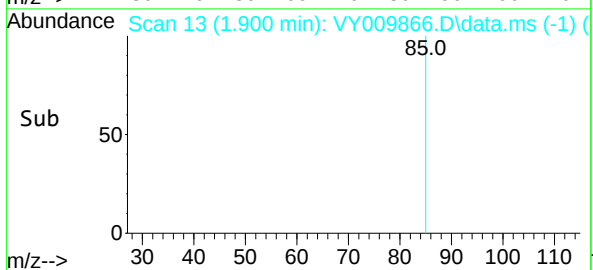
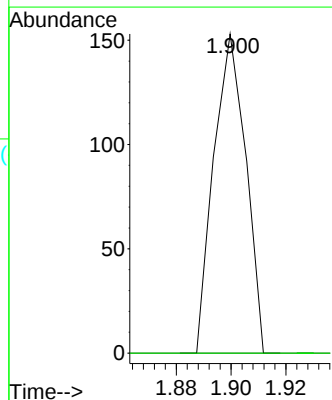
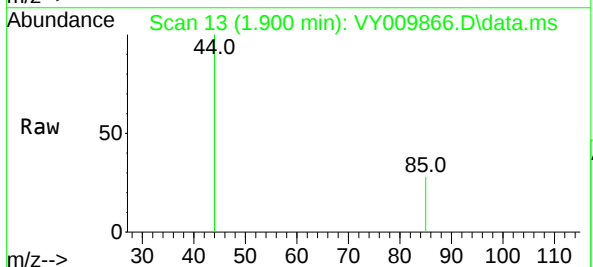
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

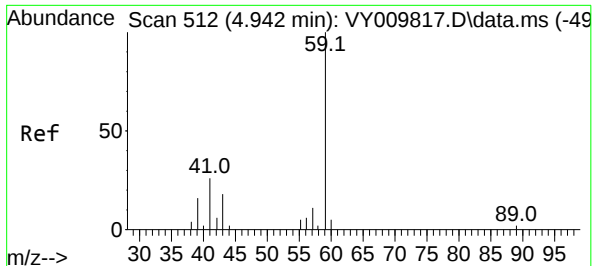
Tgt Ion:168 Resp: 17039
Ion Ratio Lower Upper
168 100
99 49.7 44.7 67.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 85 Resp: 124
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

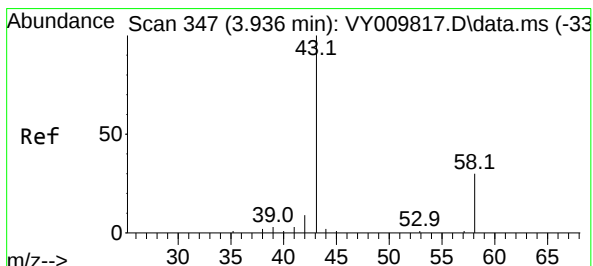
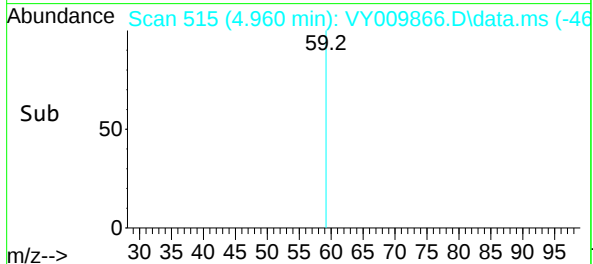
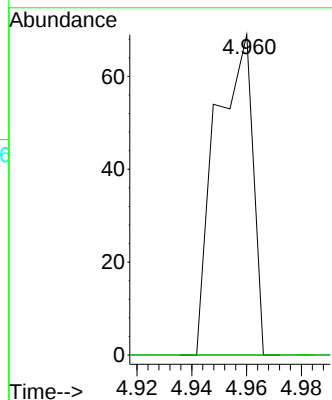
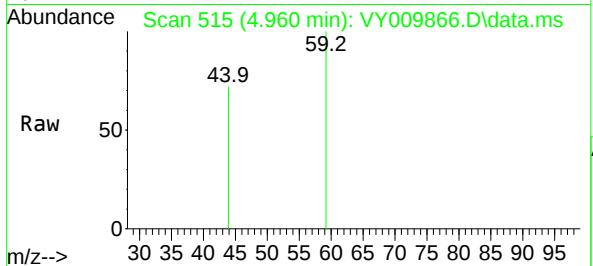




#11
Tert butyl alcohol
Concen: 3.537 ug/l
RT: 4.960 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

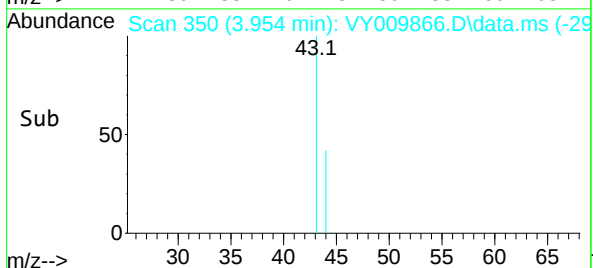
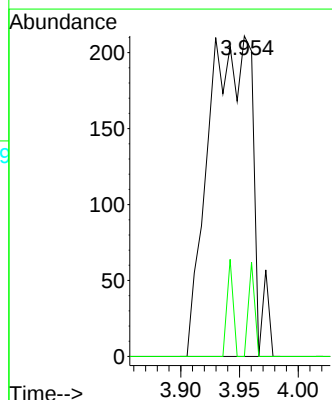
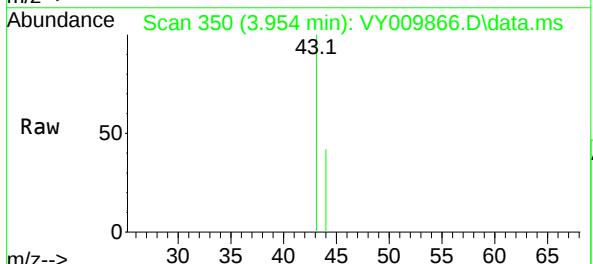
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

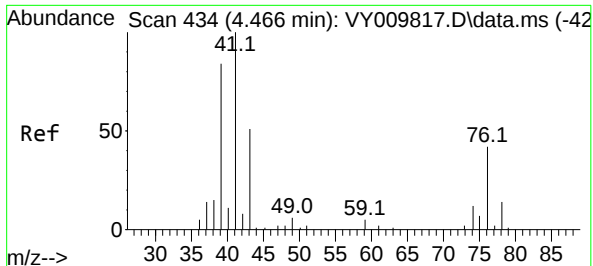
Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: 11.445 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.018 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#

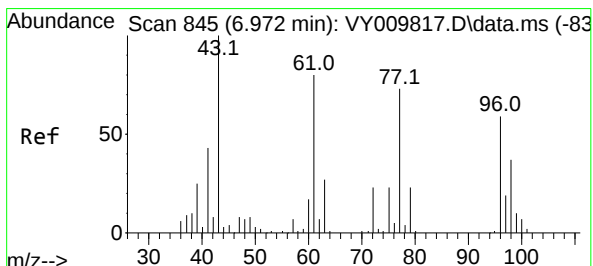
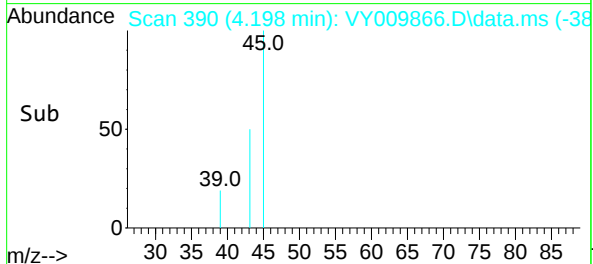
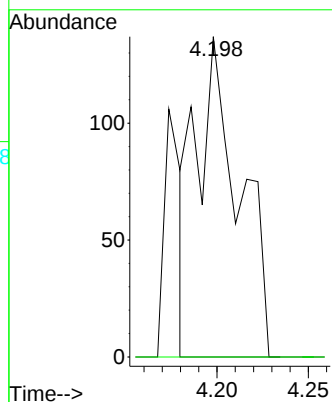
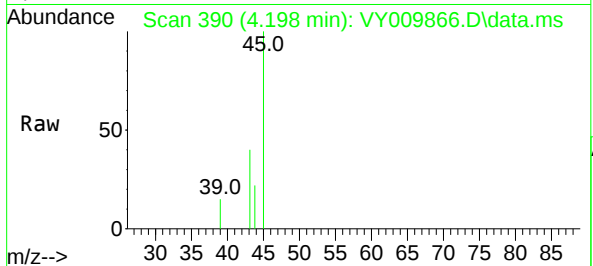




#18
Methyl Acetate
Concen: 1.550 ug/l
RT: 4.198 min Scan# 39
Delta R.T. -0.269 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

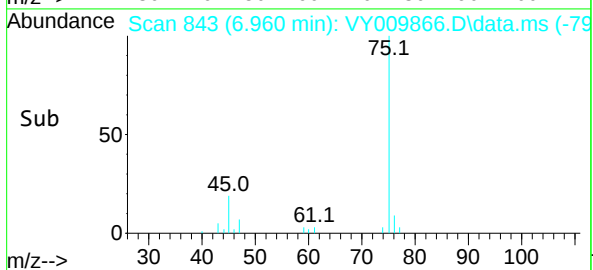
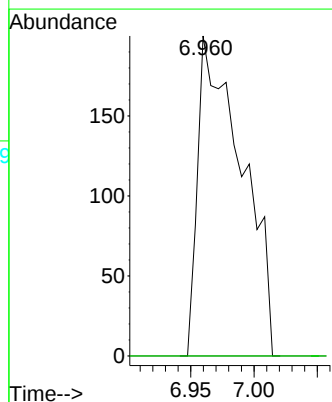
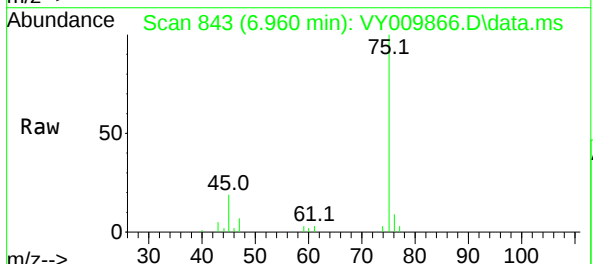
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

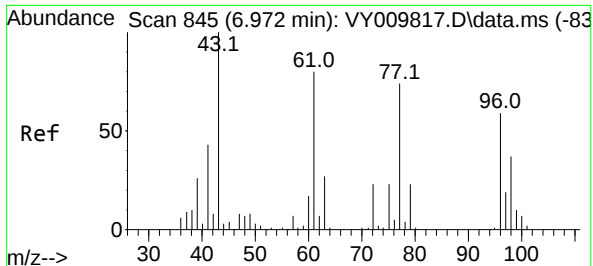
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#25
2-Butanone
Concen: 6.109 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.012 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#





#26

2,2-Dichloropropane

Concen: 1.704 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009866.D

Acq: 05 Aug 2022 21:20

Instrument :

MSVOA_Y

ClientSampleId :

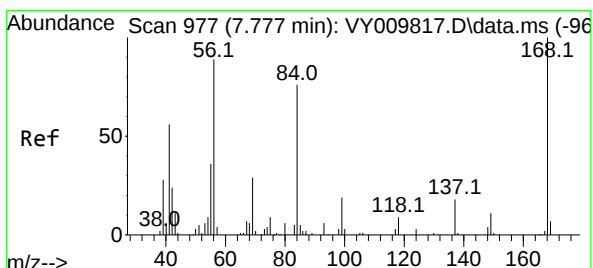
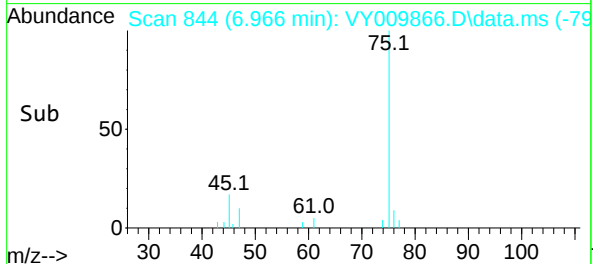
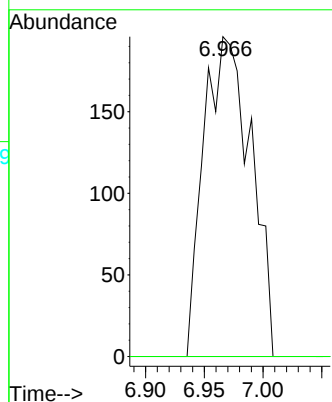
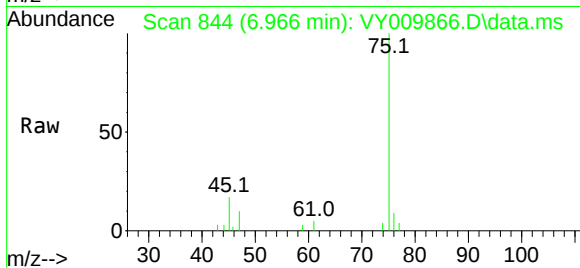
SB-13

Tgt Ion: 77 Resp: 548

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009866.D

Acq: 05 Aug 2022 21:20

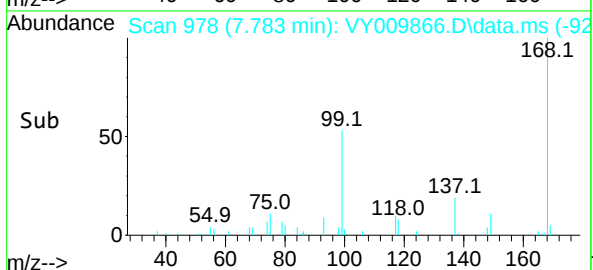
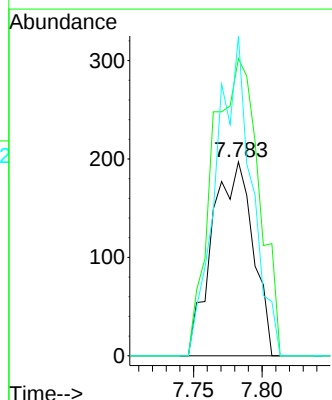
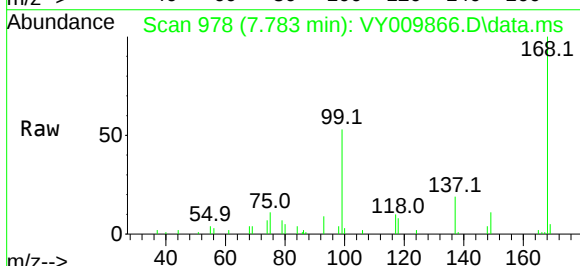
Tgt Ion: 56 Resp: 409

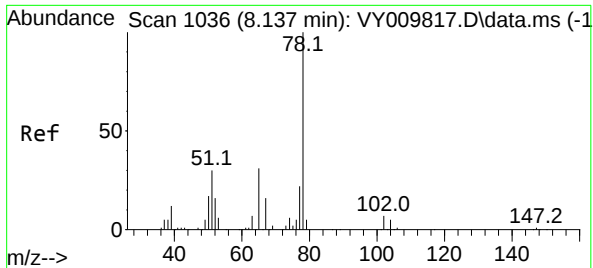
Ion Ratio Lower Upper

56 100

69 153.3 25.8 38.8#

84 165.0 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 66.052 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY009866.D

Acq: 05 Aug 2022 21:20

Instrument :

MSVOA_Y

ClientSampleId :

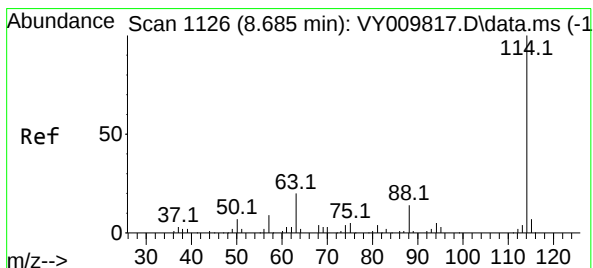
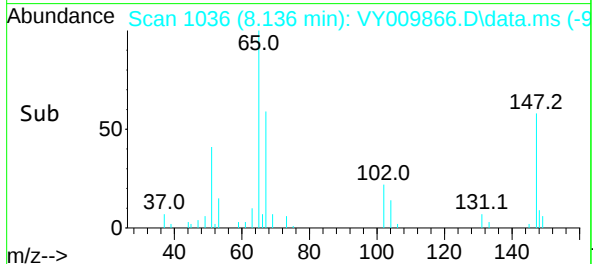
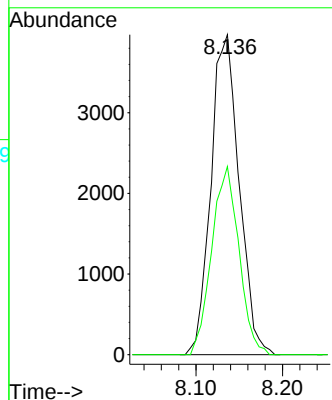
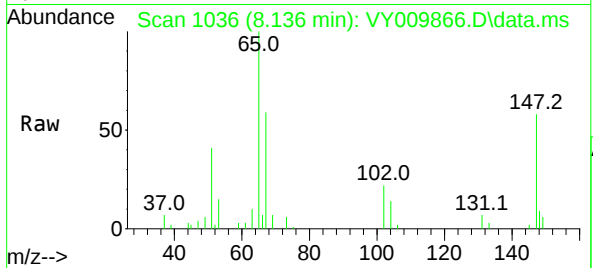
SB-13

Tgt Ion: 65 Resp: 8979

Ion Ratio Lower Upper

65 100

67 56.8 0.0 112.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009866.D

Acq: 05 Aug 2022 21:20

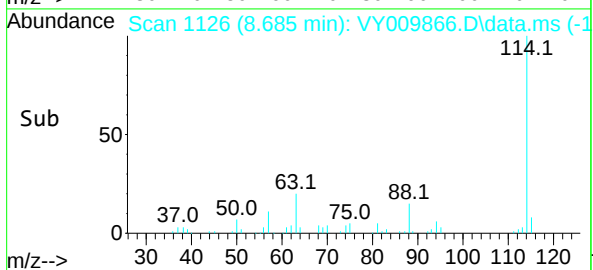
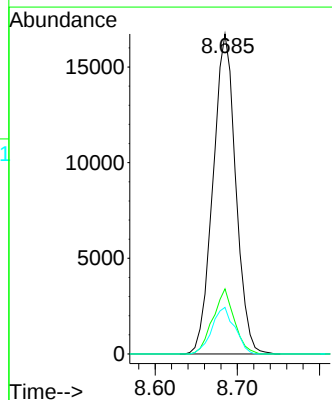
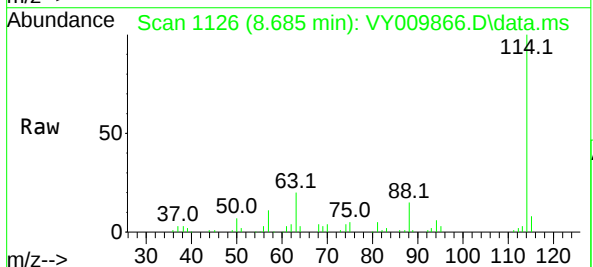
Tgt Ion: 114 Resp: 32143

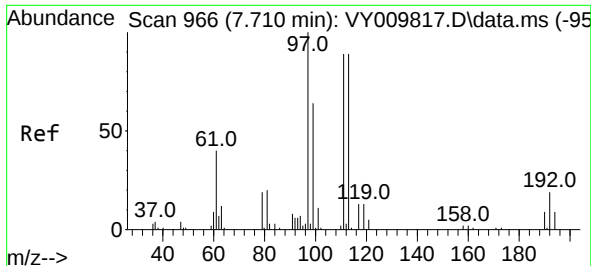
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 14.6 0.0 27.6

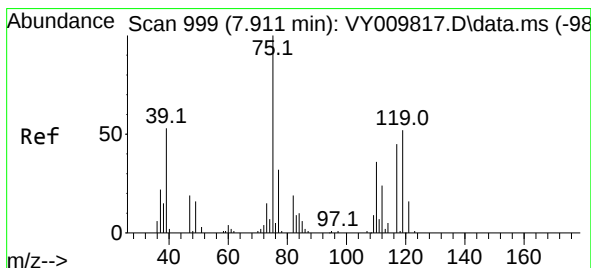
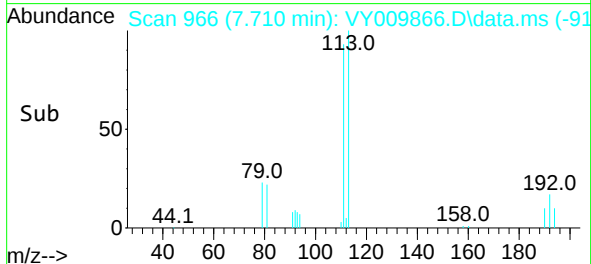
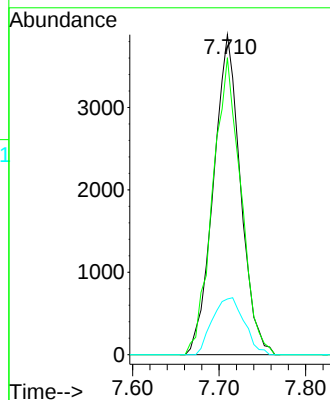
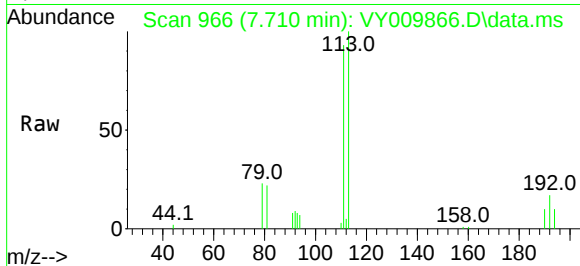




#35
Dibromofluoromethane
Concen: 42.994 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

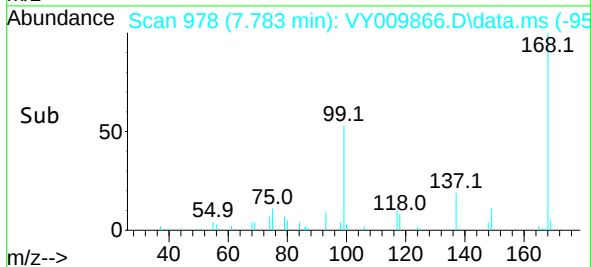
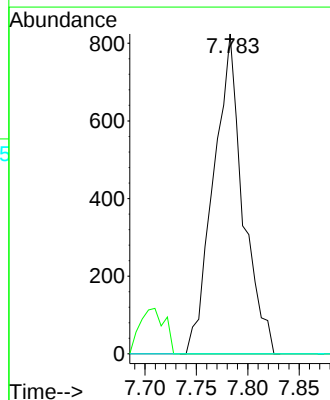
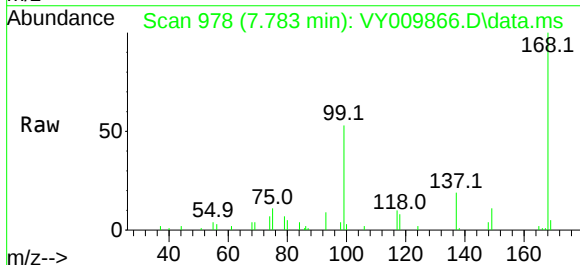
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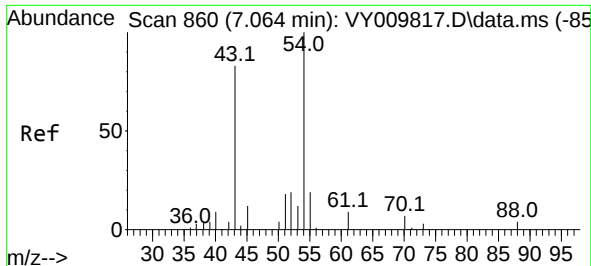
Tgt Ion:113 Resp: 8426
Ion Ratio Lower Upper
113 100
111 96.4 82.4 123.6
192 20.9 16.5 24.7



#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 75 Resp: 1635
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.6 36.8#

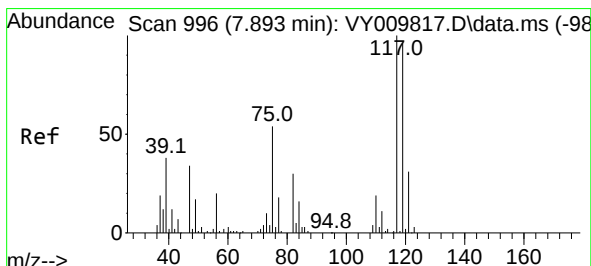
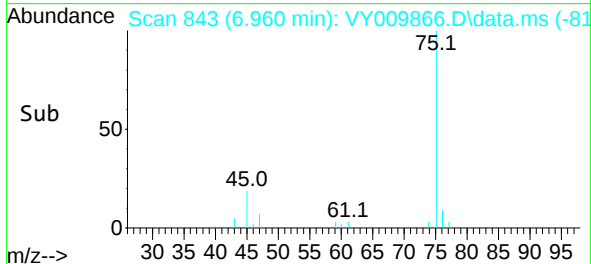
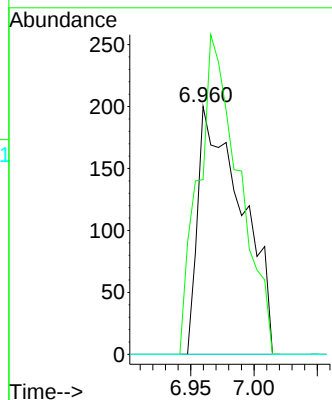
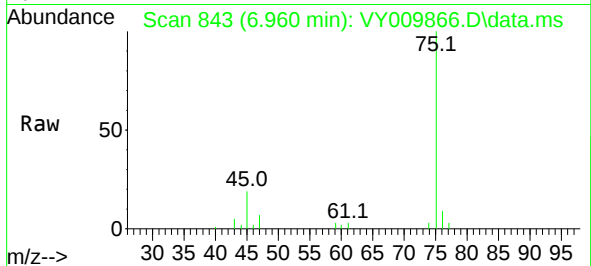




#37
Ethyl Acetate
Concen: 2.276 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.104 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

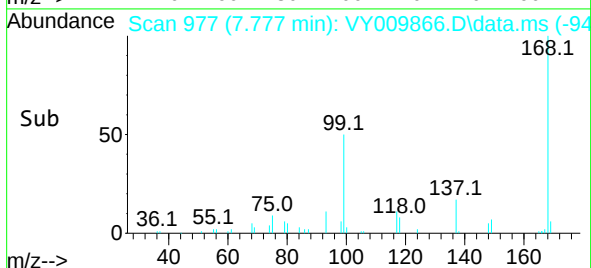
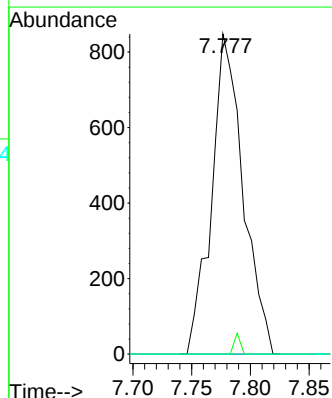
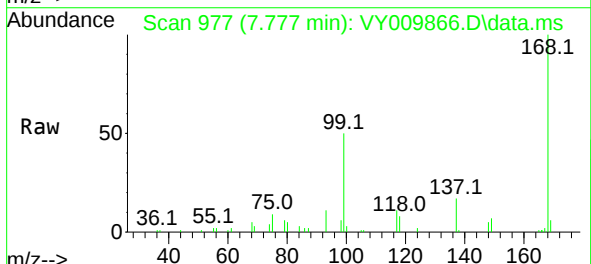
Instrument :
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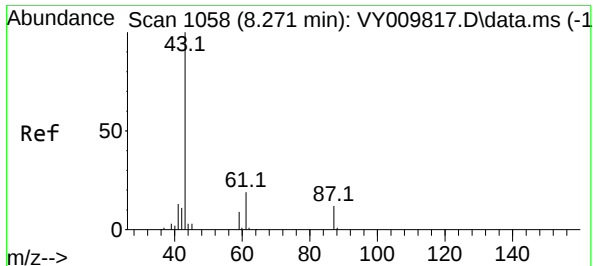
Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
61 119.3 11.0 16.6#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 4.644 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.116 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 117 Resp: 1588
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.9 37.3#

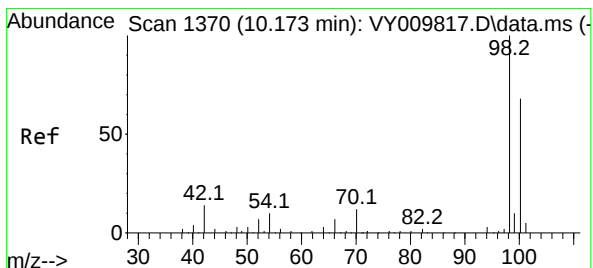
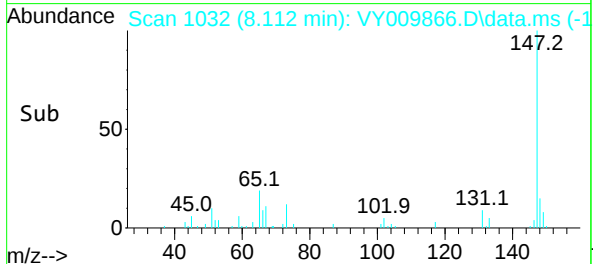
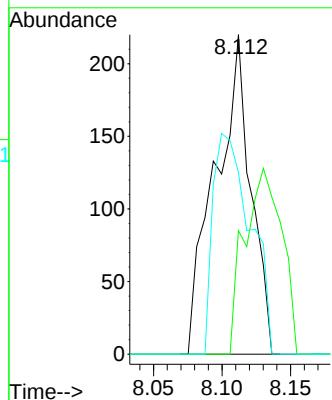
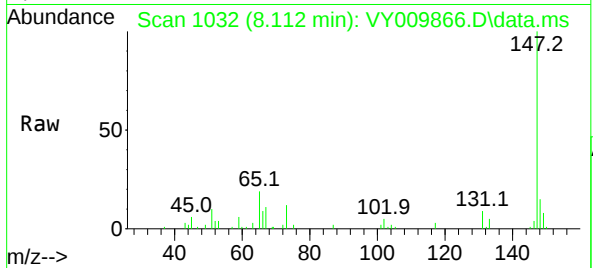




#43
Isopropyl Acetate
Concen: 1.070 ug/l
RT: 8.112 min Scan# 1058
Delta R.T. -0.159 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

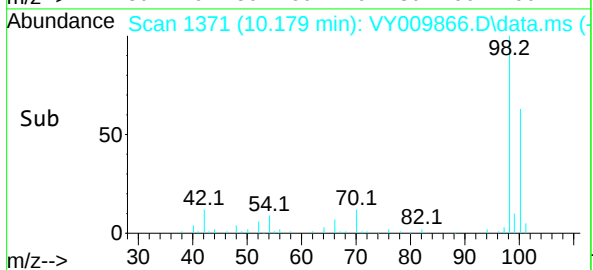
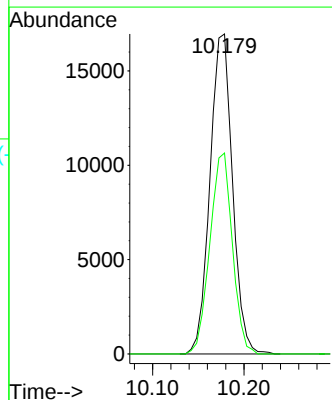
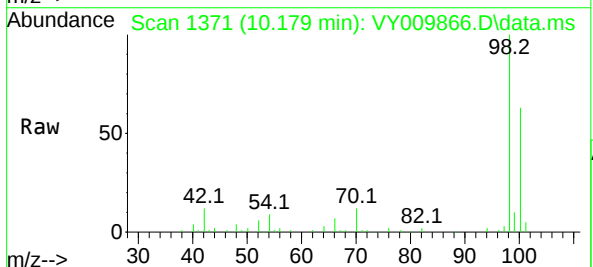
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

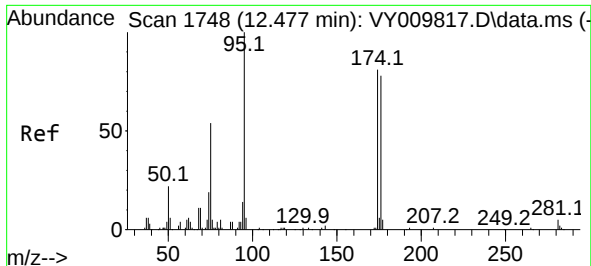
Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 72.9 9.2 13.8#



#50
Toluene-d8
Concen: 50.623 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 98 Resp: 29077
Ion Ratio Lower Upper
98 100
100 62.7 53.4 80.2

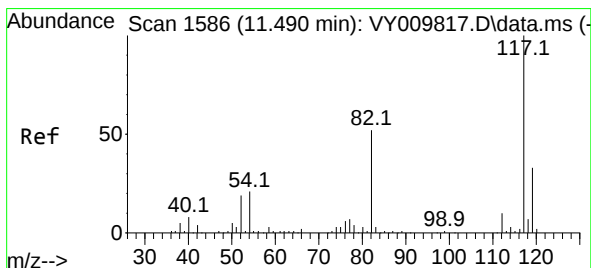
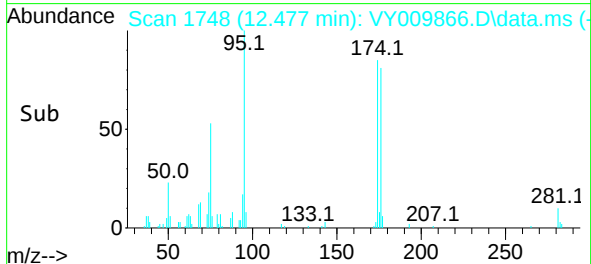
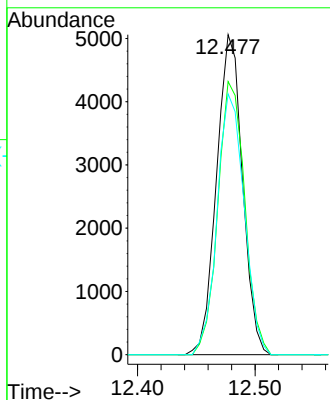
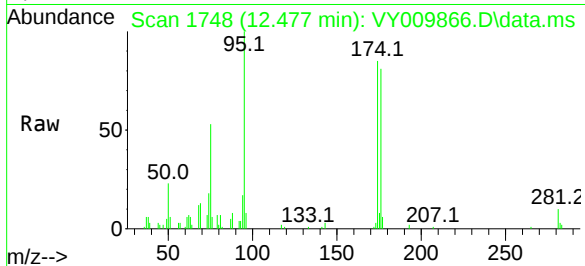




#62
4-Bromofluorobenzene
Concen: 29.211 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

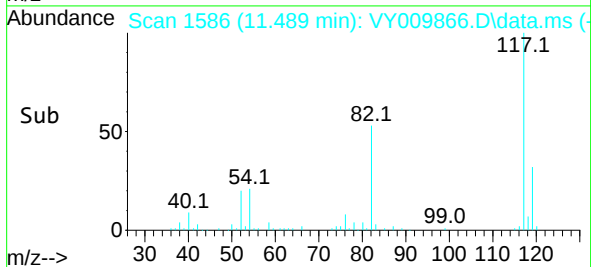
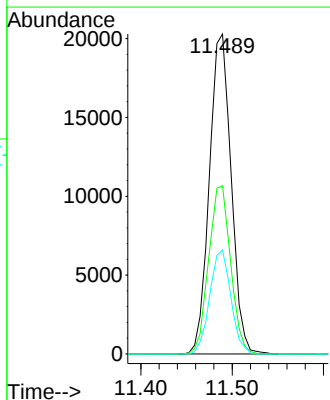
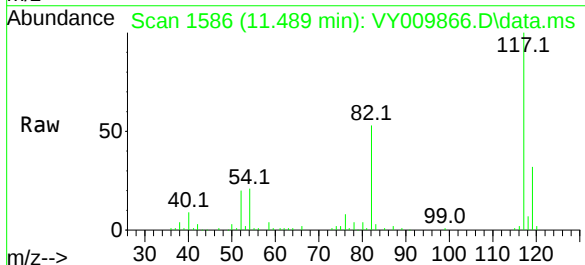
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

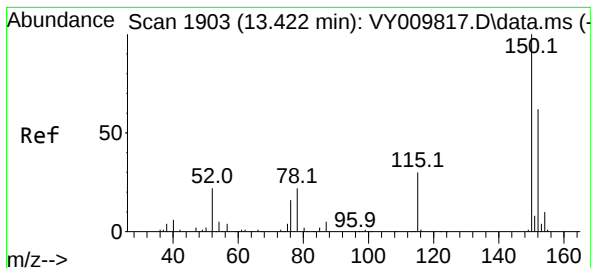
Tgt Ion:	95	Resp:	7752
Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	168.6
176	85.2	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion:	117	Resp:	33619
Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.7	62.5
119	32.5	26.6	40.0

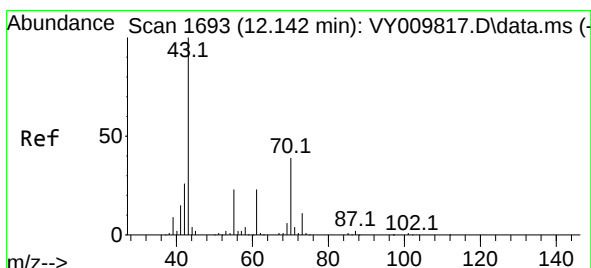
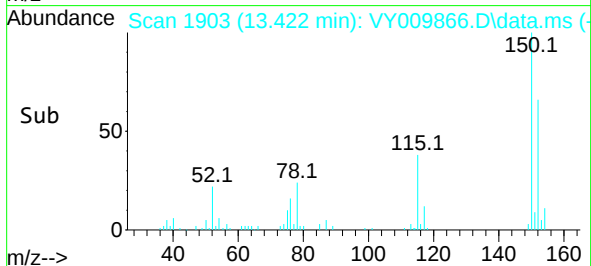
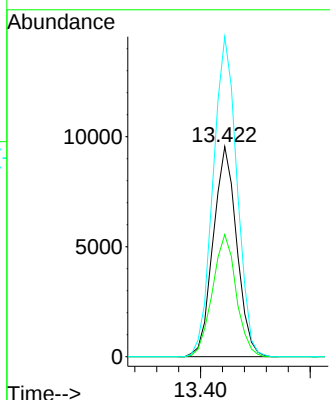
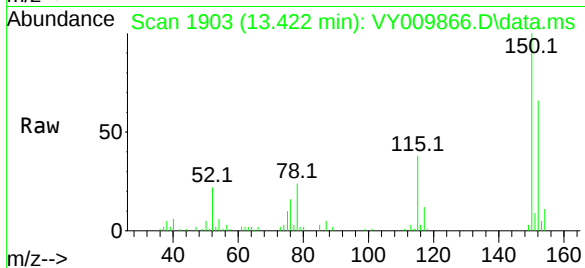




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

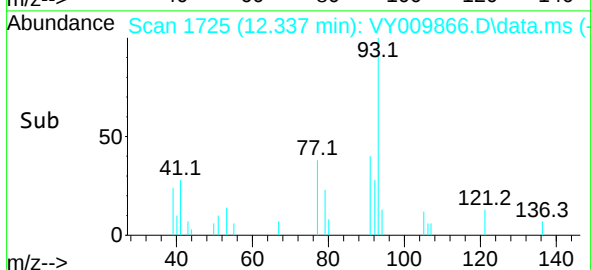
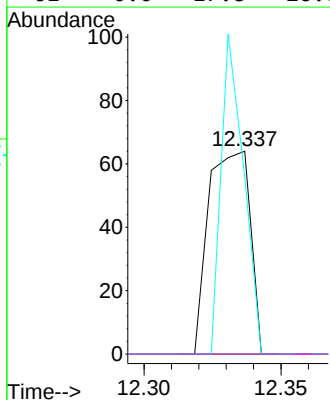
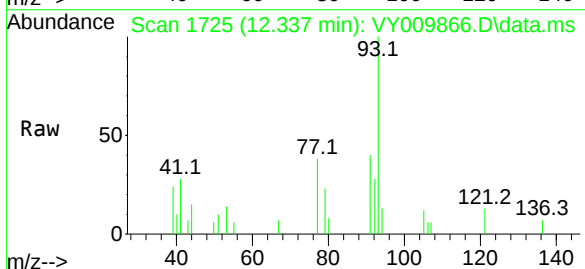
Instrument :
MSVOA_Y
ClientSampleId :
SB-13

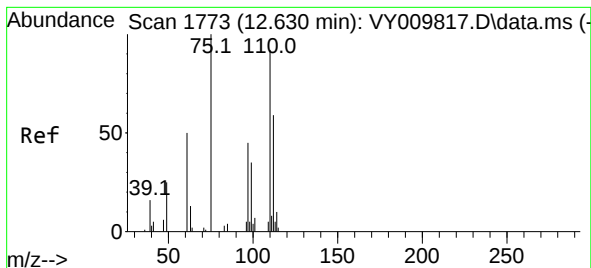
Tgt Ion:152 Resp: 14273
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.7
150 154.3 0.0 354.2



#74
N-ethyl acetate
Concen: 3.618 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.195 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 85.1 19.0 28.4#
61 0.0 17.8 26.6#

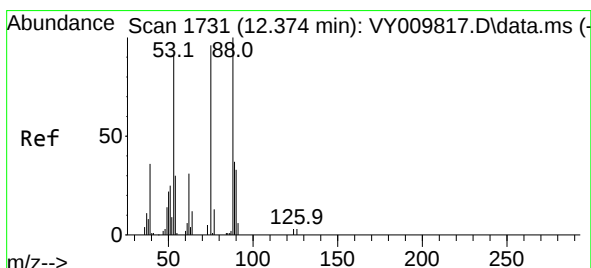
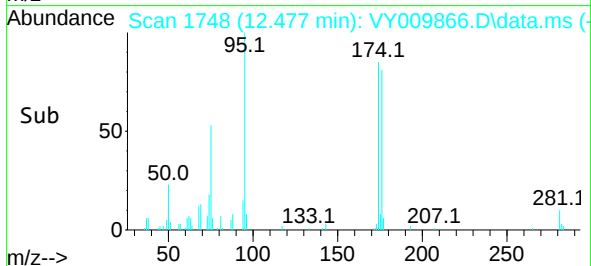
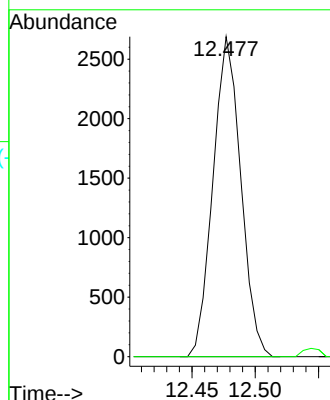
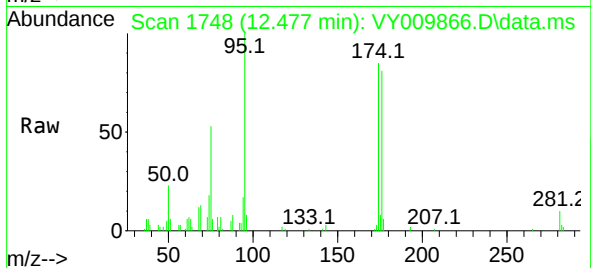




#76
1,2,3-Trichloropropane
Concen: 25.124 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Instrument :
MSVOA_Y
ClientSampleId :
SB-13

Tgt Ion: 75 Resp: 4102
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 53.921 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009866.D
Acq: 05 Aug 2022 21:20

Tgt Ion: 75 Resp: 4102
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 35.3 52.9#

