

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080422\
 Data File : VY009834.D
 Acq On : 04 Aug 2022 15:58
 Operator : KP/MD
 Sample : N3961-09
 Misc : 2.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-176

Quant Time: Aug 05 01:43:55 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)

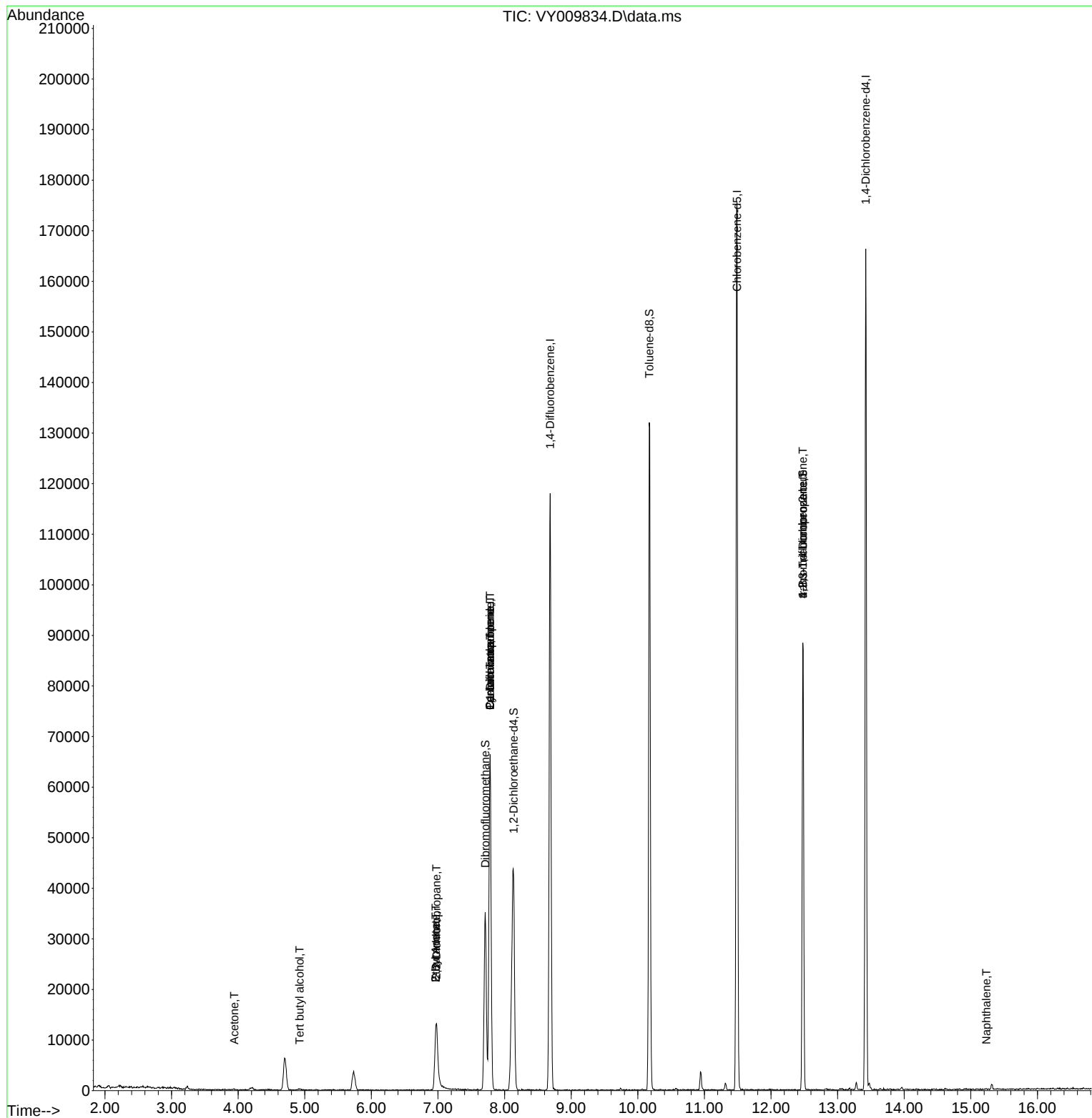
Internal Standards						
1) Pentafluorobenzene	7.783	168	51059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	98292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	94382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	26750	65.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.260%
35) Dibromofluoromethane	7.710	113	24048	40.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.260%
50) Toluene-d8	10.173	98	85370	48.284	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.477	95	26113	32.178	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	64.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	302	Below Cal		100
11) Tert butyl alcohol	4.924	59	279	5.146 ug/l	#	78
16) Acetone	3.942	43	439	3.037 ug/l		92
20) Methylene Chloride	4.698	84	4679	Below Cal		92
25) 2-Butanone	6.966	43	913	3.862 ug/l	#	53
26) 2,2-Dichloropropane	6.978	77	1008	1.046 ug/l	#	52
31) Cyclohexane	7.783	56	1286	1.331 ug/l	#	20
36) 1,1-Dichloropropene	7.783	75	4489	4.515 ug/l	#	47
37) Ethyl Acetate	6.966	43	913	1.410 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	4700	4.495 ug/l	#	14
76) 1,2,3-Trichloropropane	12.477	75	13719	28.786 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	13719	61.781 ug/l	#	12
95) Naphthalene	15.233	128	80	5.463 ug/l	#	69

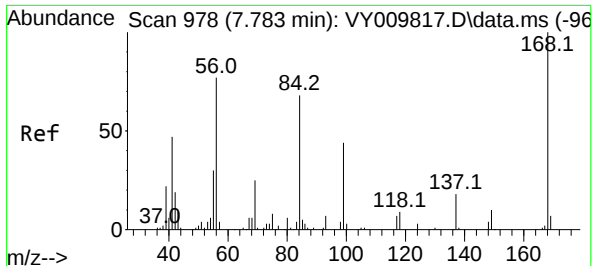
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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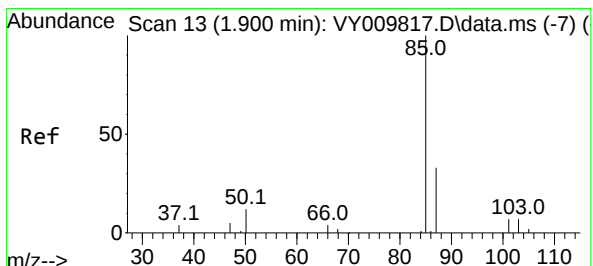
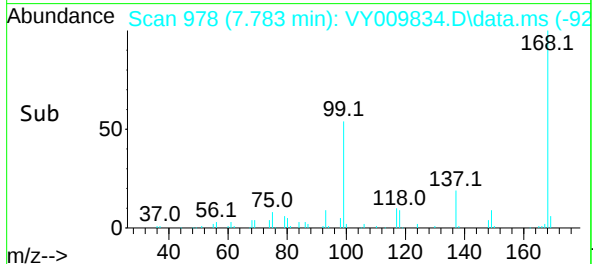
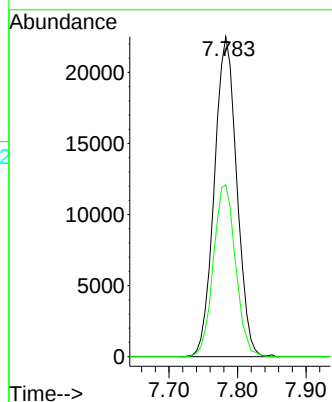
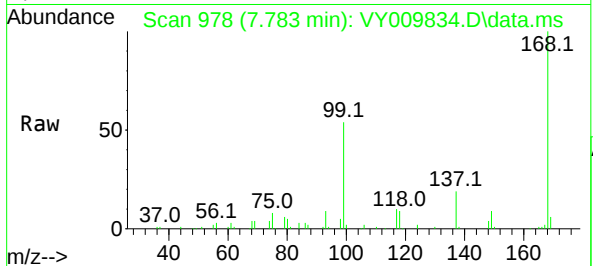




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

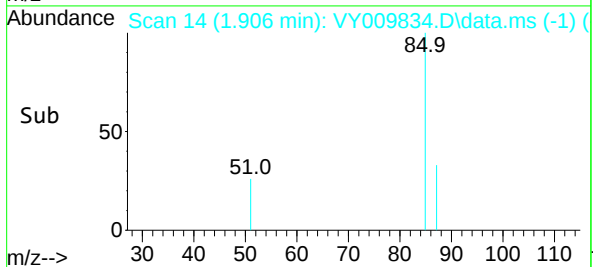
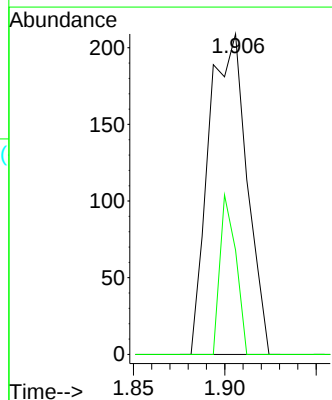
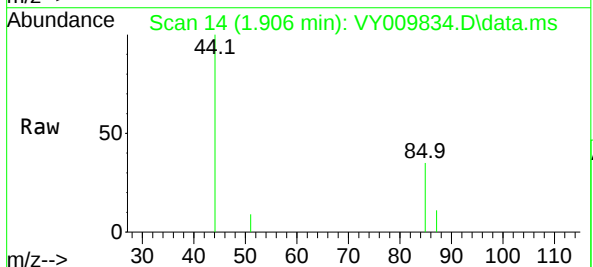
Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

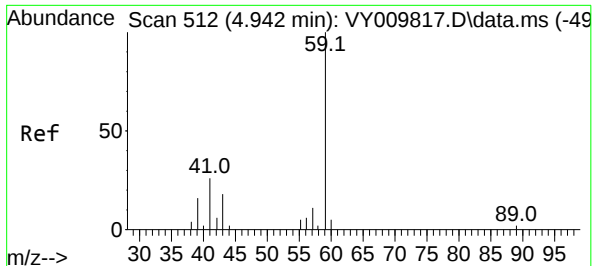
Tgt Ion:168 Resp: 51059
Ion Ratio Lower Upper
168 100
99 53.8 44.7 67.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Tgt Ion: 85 Resp: 302
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.2





#11

Tert butyl alcohol

Concen: 5.146 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.018 min

Lab File: VY009834.D

Acq: 04 Aug 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

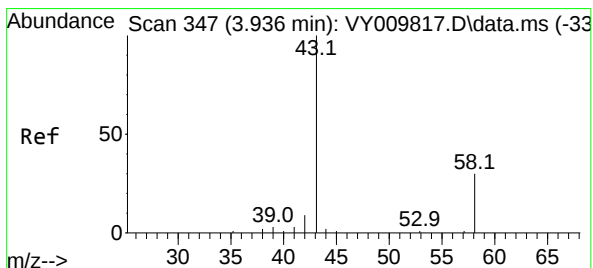
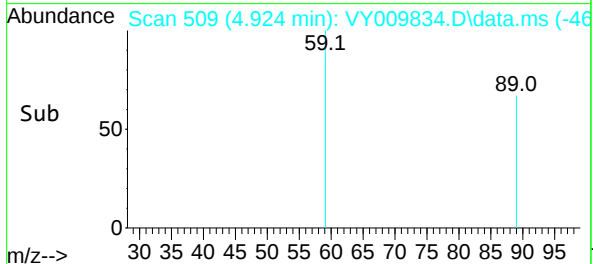
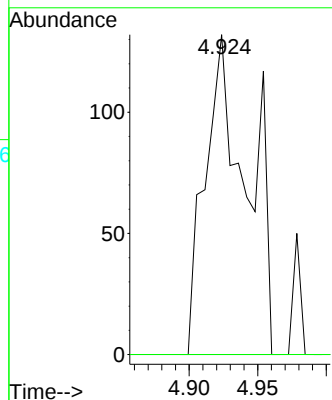
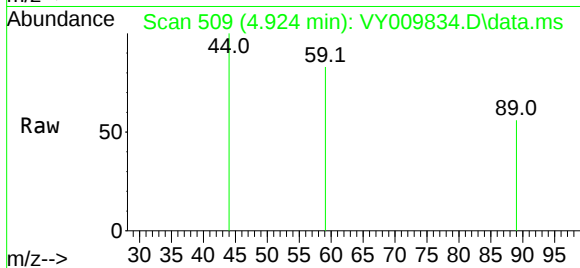
RVE-176

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#



#16

Acetone

Concen: 3.037 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009834.D

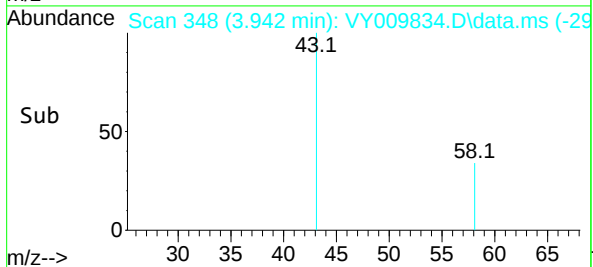
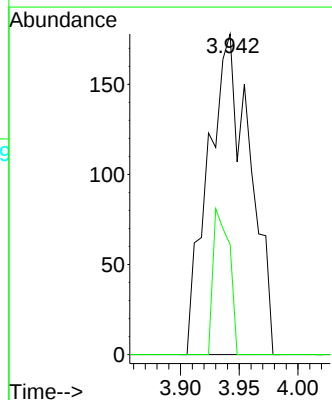
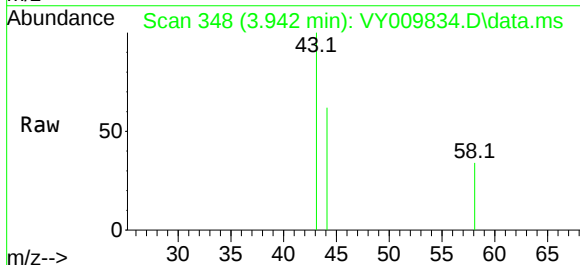
Acq: 04 Aug 2022 15:58

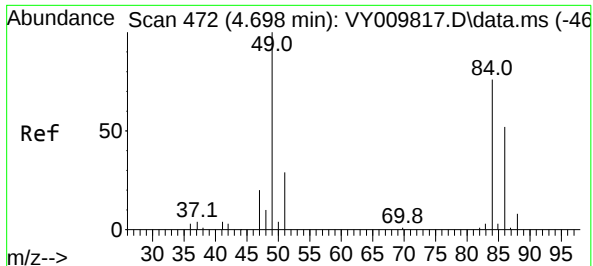
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

58 34.3 24.1 36.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009834.D

Acq: 04 Aug 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

RVE-176

Tgt Ion: 84 Resp: 4679

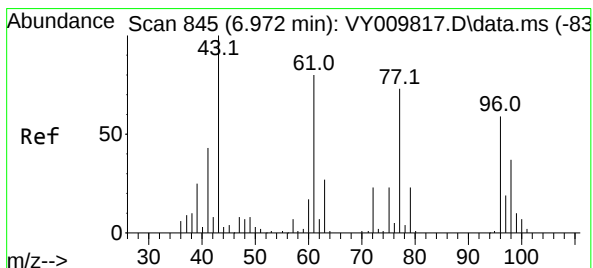
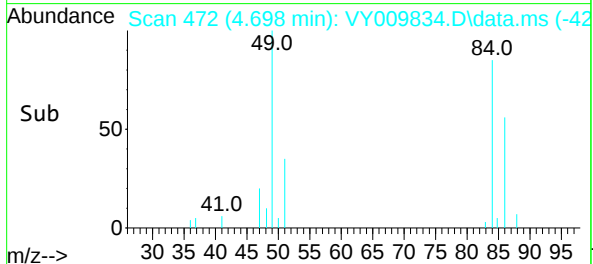
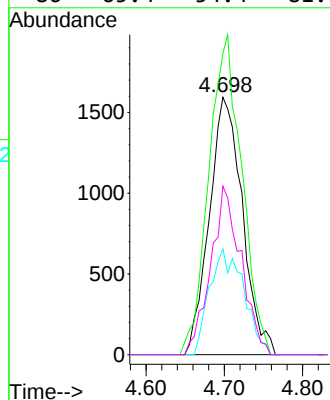
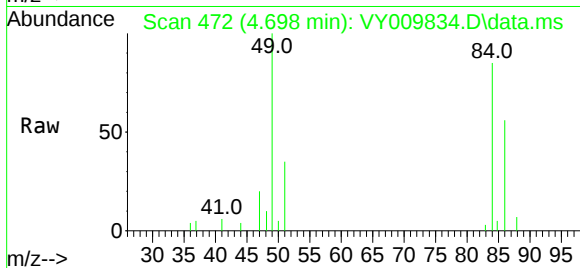
Ion Ratio Lower Upper

84 100

49 117.1 104.6 156.8

51 41.1 30.9 46.3

86 65.4 54.4 81.6



#25

2-Butanone

Concen: 3.862 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009834.D

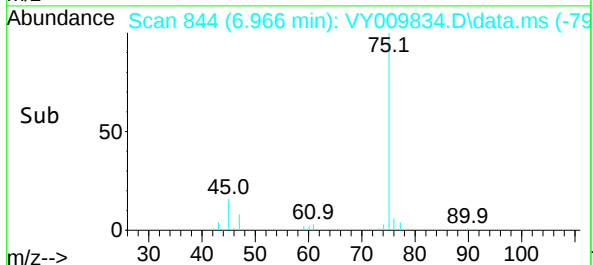
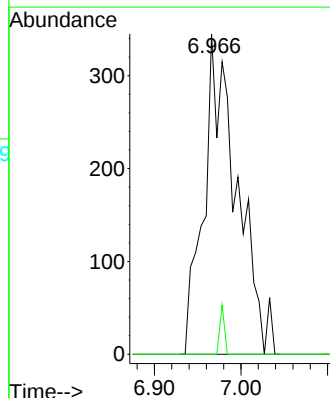
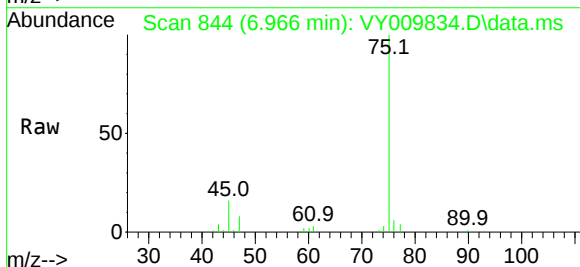
Acq: 04 Aug 2022 15:58

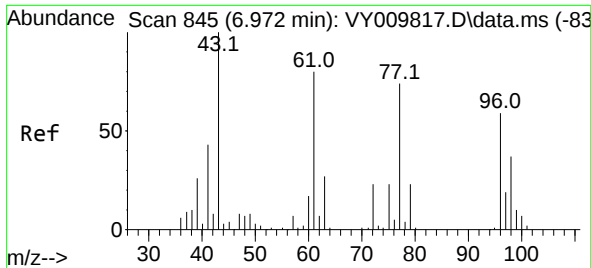
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#

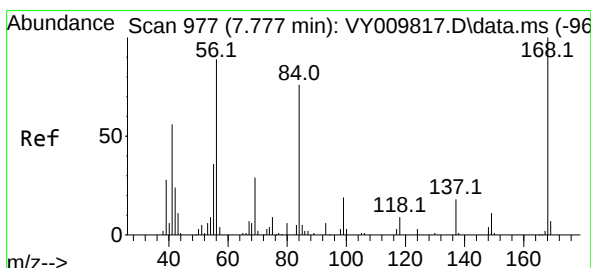
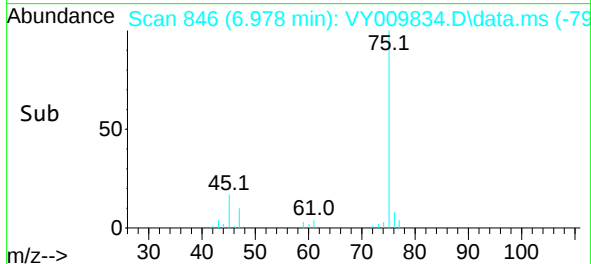
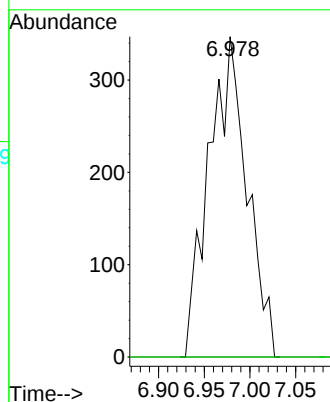
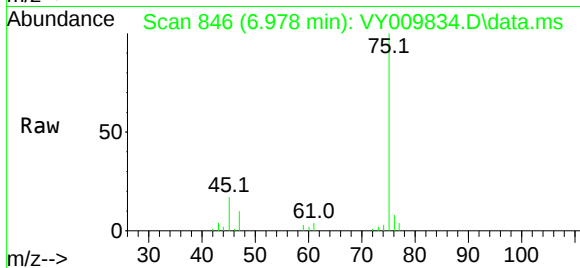




#26
2,2-Dichloropropane
Concen: 1.046 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

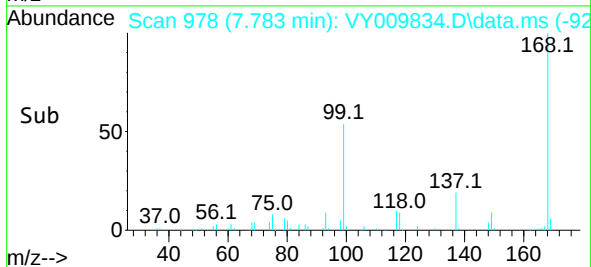
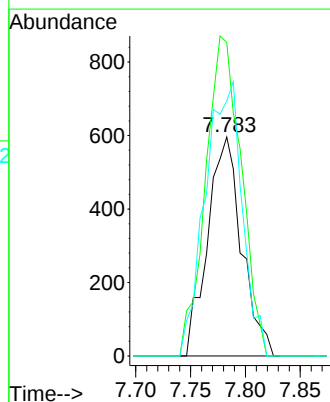
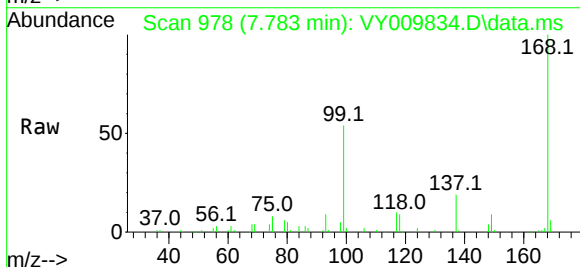
Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

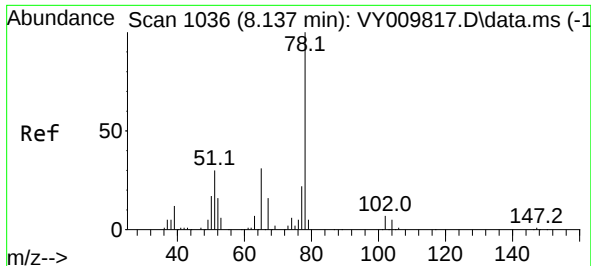
Tgt Ion: 77 Resp: 1008
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Tgt Ion: 56 Resp: 1286
Ion Ratio Lower Upper
56 100
69 143.1 25.8 38.8#
84 116.4 67.9 101.9#





#33

1,2-Dichloroethane-d4

Concen: 65.628 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009834.D

Acq: 04 Aug 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

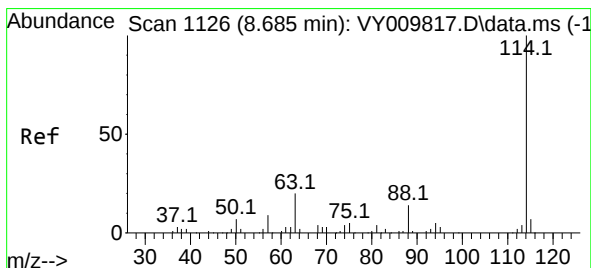
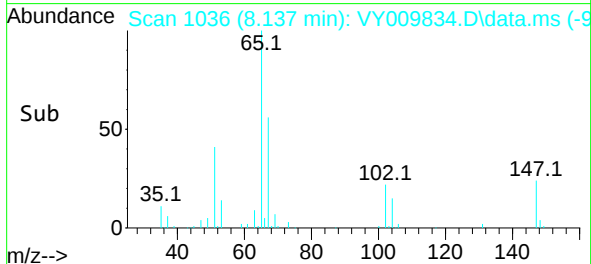
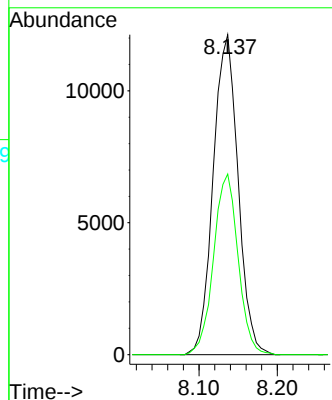
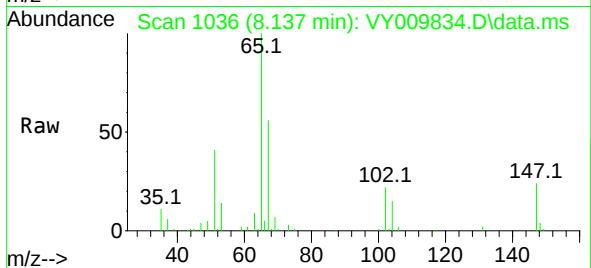
RVE-176

Tgt Ion: 65 Resp: 26750

Ion Ratio Lower Upper

65 100

67 55.7 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: VY009834.D

Acq: 04 Aug 2022 15:58

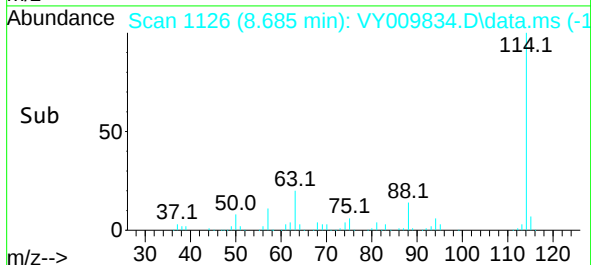
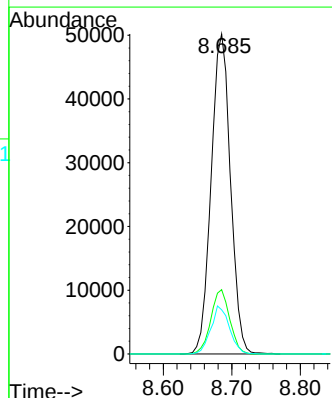
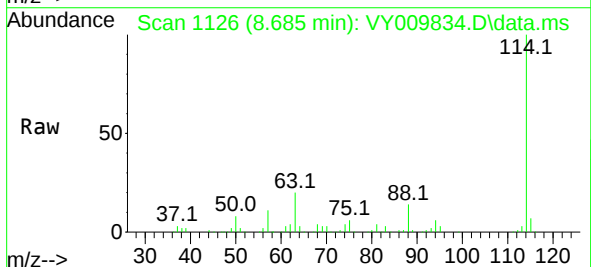
Tgt Ion:114 Resp: 98292

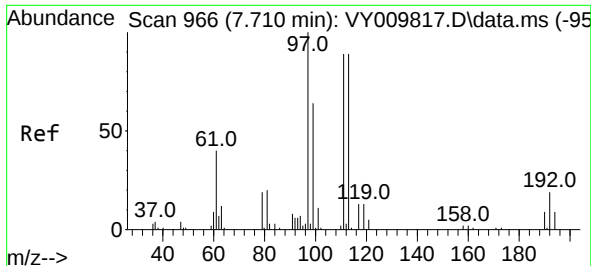
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

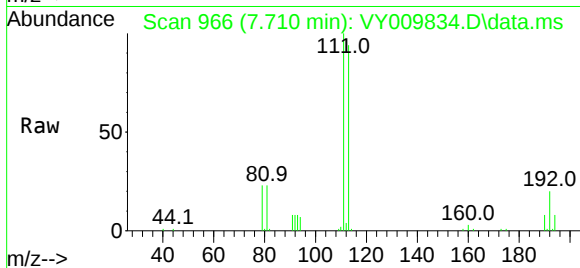
88 13.8 0.0 27.6



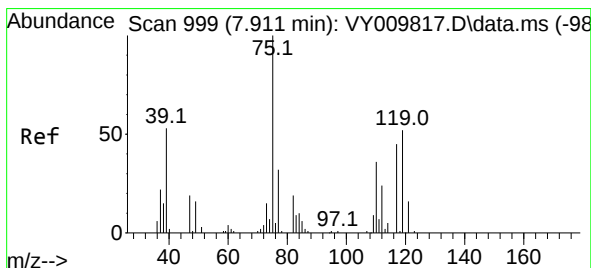
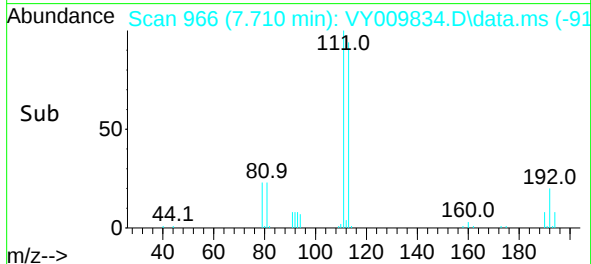
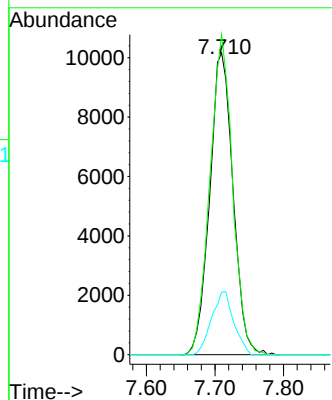


#35
Dibromofluoromethane
Concen: 40.127 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

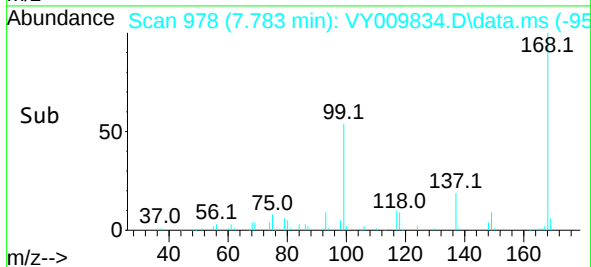
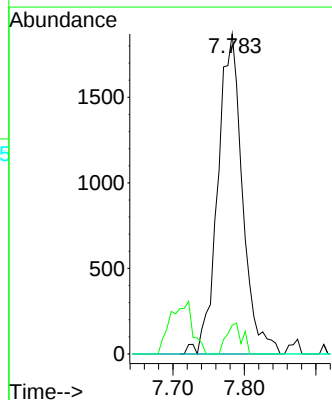
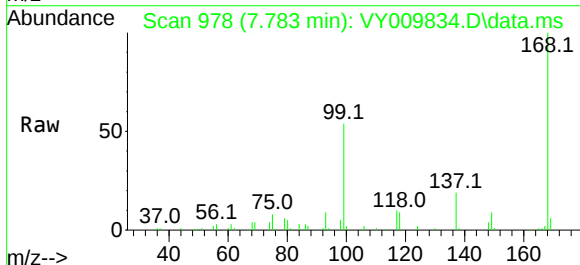


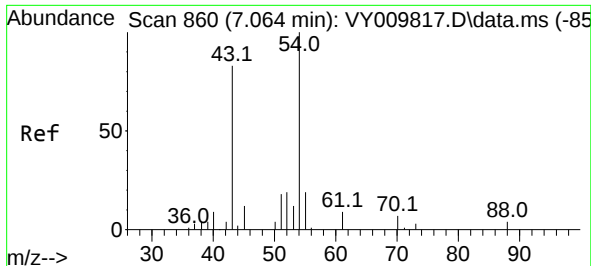
Tgt Ion:113 Resp: 24048
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.8 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Tgt Ion: 75 Resp: 4489
Ion Ratio Lower Upper
75 100
110 6.1 17.8 53.4#
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.410 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY009834.D

Acq: 04 Aug 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

RVE-176

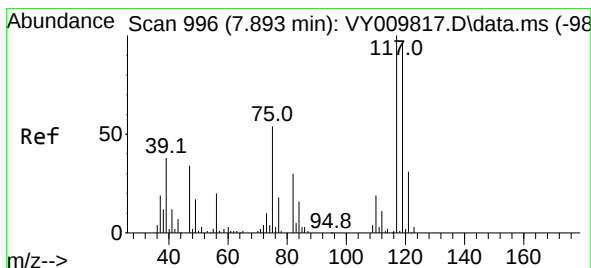
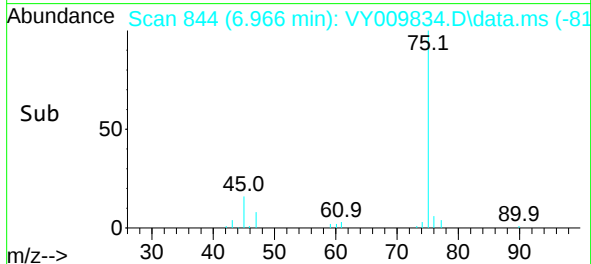
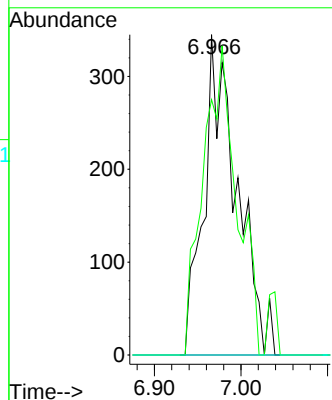
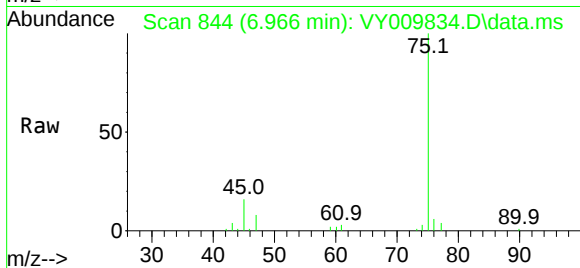
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

61 98.7 11.0 16.6#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.495 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009834.D

Acq: 04 Aug 2022 15:58

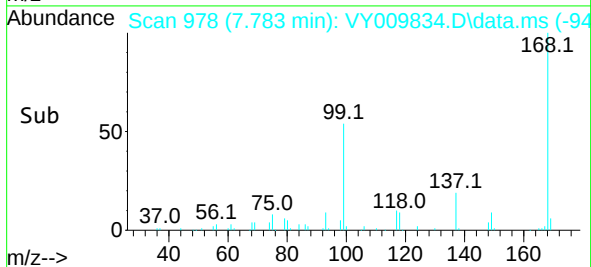
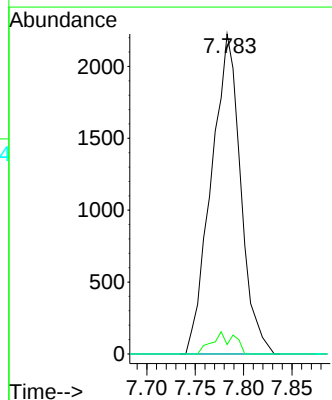
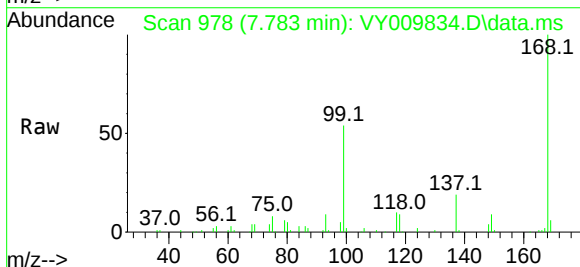
Tgt Ion: 117 Resp: 4700

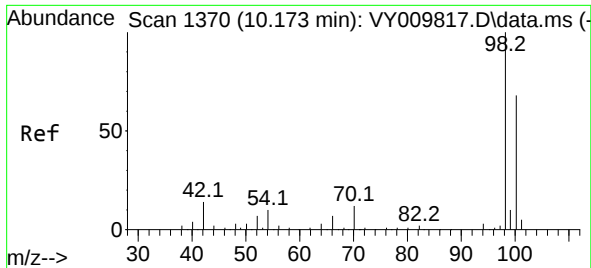
Ion Ratio Lower Upper

117 100

119 3.0 76.8 115.2#

121 0.0 24.9 37.3#

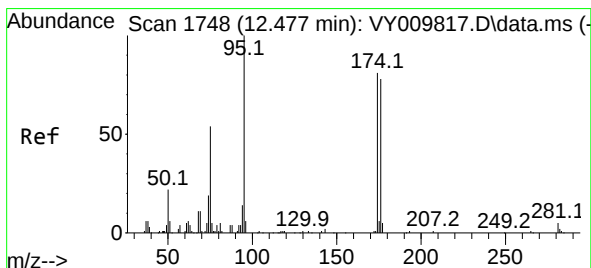
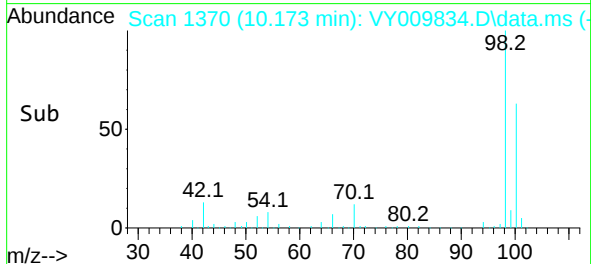
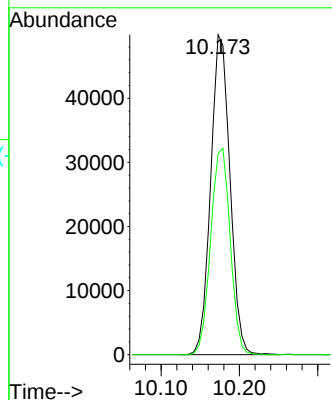
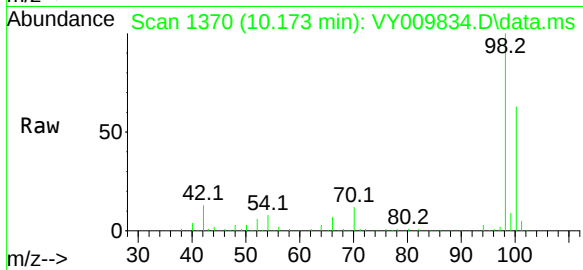




#50
Toluene-d8
Concen: 48.284 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

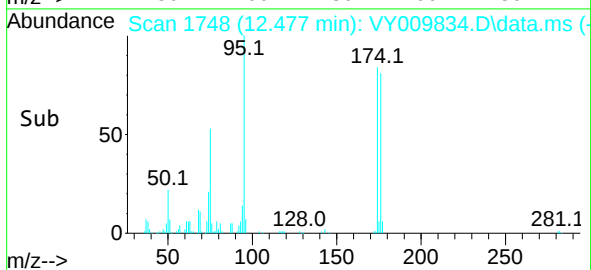
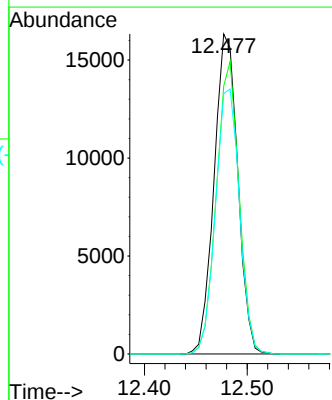
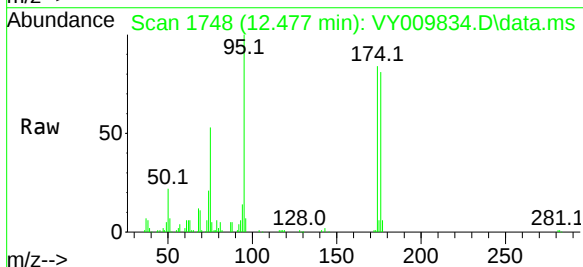
Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

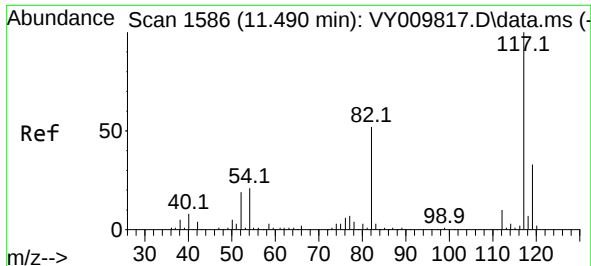
Tgt Ion: 98 Resp: 85370
Ion Ratio Lower Upper
98 100
100 65.3 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 32.178 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Tgt Ion: 95 Resp: 26113
Ion Ratio Lower Upper
95 100
174 87.8 0.0 168.6
176 83.7 0.0 163.6

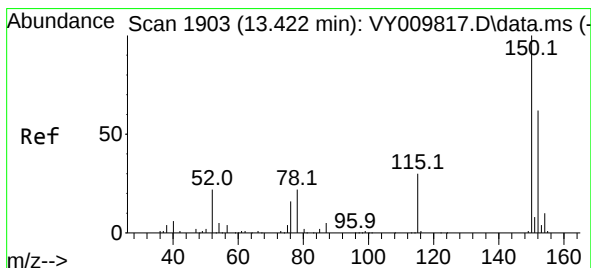
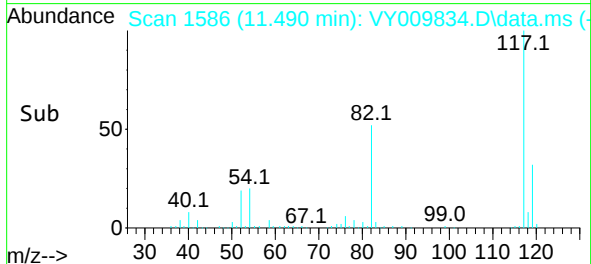
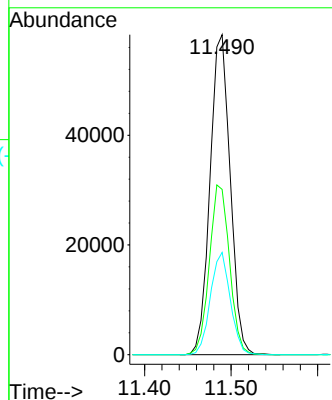
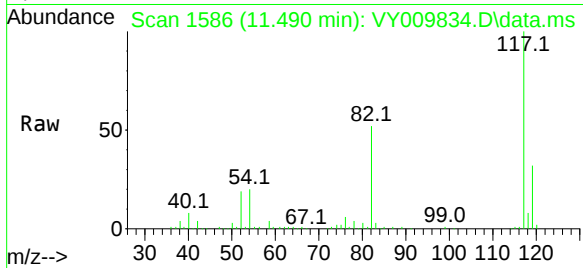




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

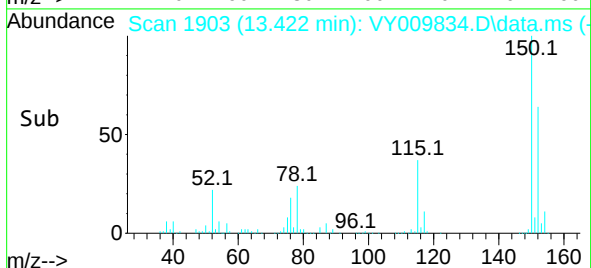
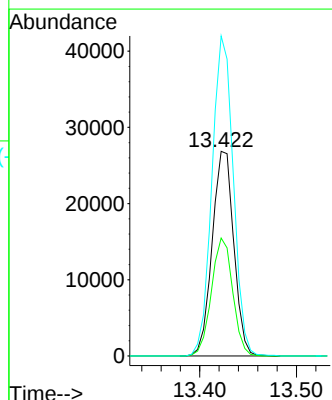
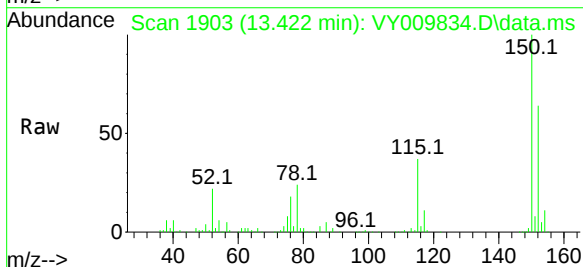
Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

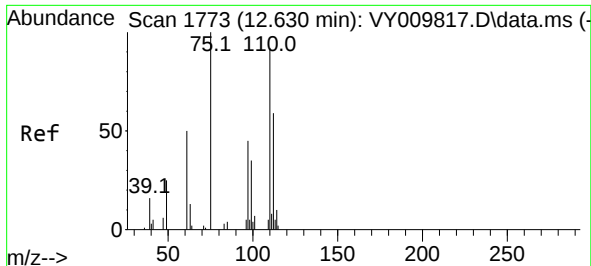
Tgt Ion:117 Resp: 94382
Ion Ratio Lower Upper
117 100
82 51.6 41.7 62.5
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Tgt Ion:152 Resp: 41662
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 154.3 0.0 354.2

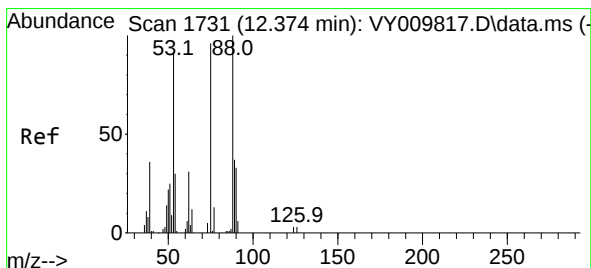
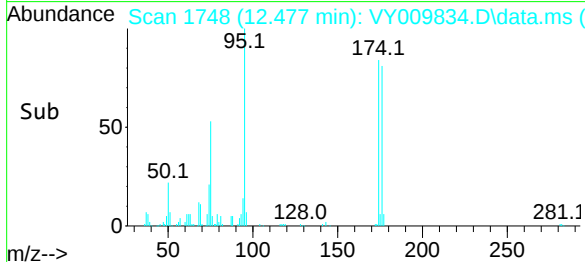
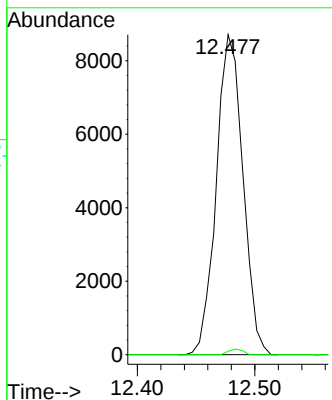
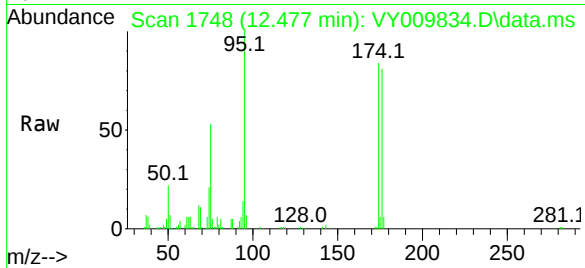




#76
1,2,3-Trichloropropane
Concen: 28.786 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

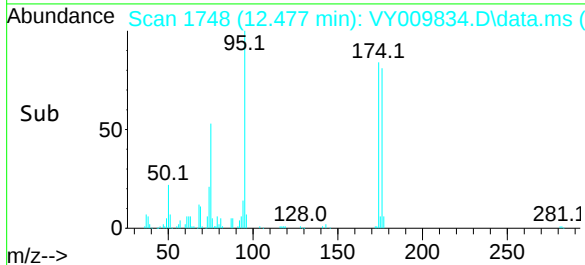
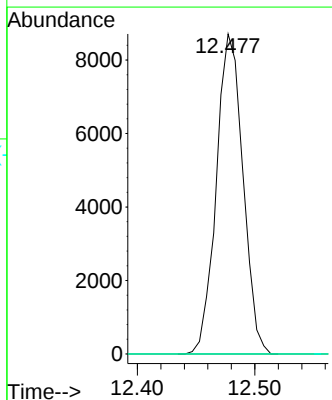
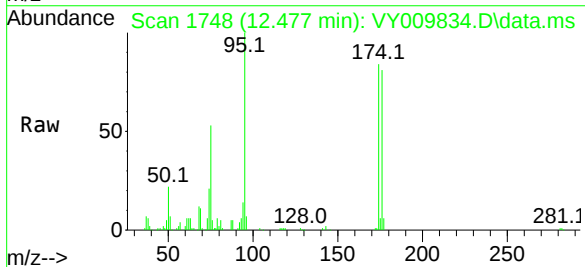
Instrument :
MSVOA_Y
ClientSampleId :
RVE-176

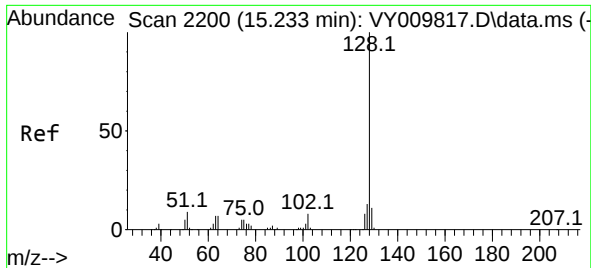
Tgt Ion: 75 Resp: 13719
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.781 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

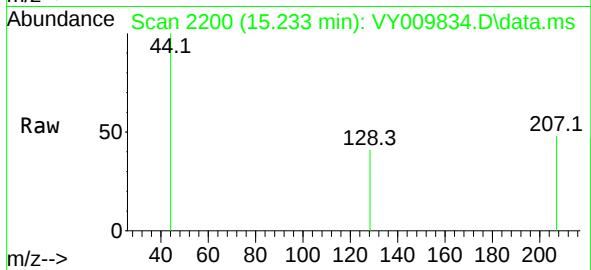
Tgt Ion: 75 Resp: 13719
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 5.463 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009834.D
Acq: 04 Aug 2022 15:58

Instrument :
MSVOA_Y
ClientSampleId :
RVE-176



Tgt Ion:128 Resp: 80
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

