

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070122\
 Data File : VY009415.D
 Acq On : 01 Jul 2022 12:21
 Operator : KP/MD
 Sample : N3531-02RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 W-2

Quant Time: Jul 01 15:33:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

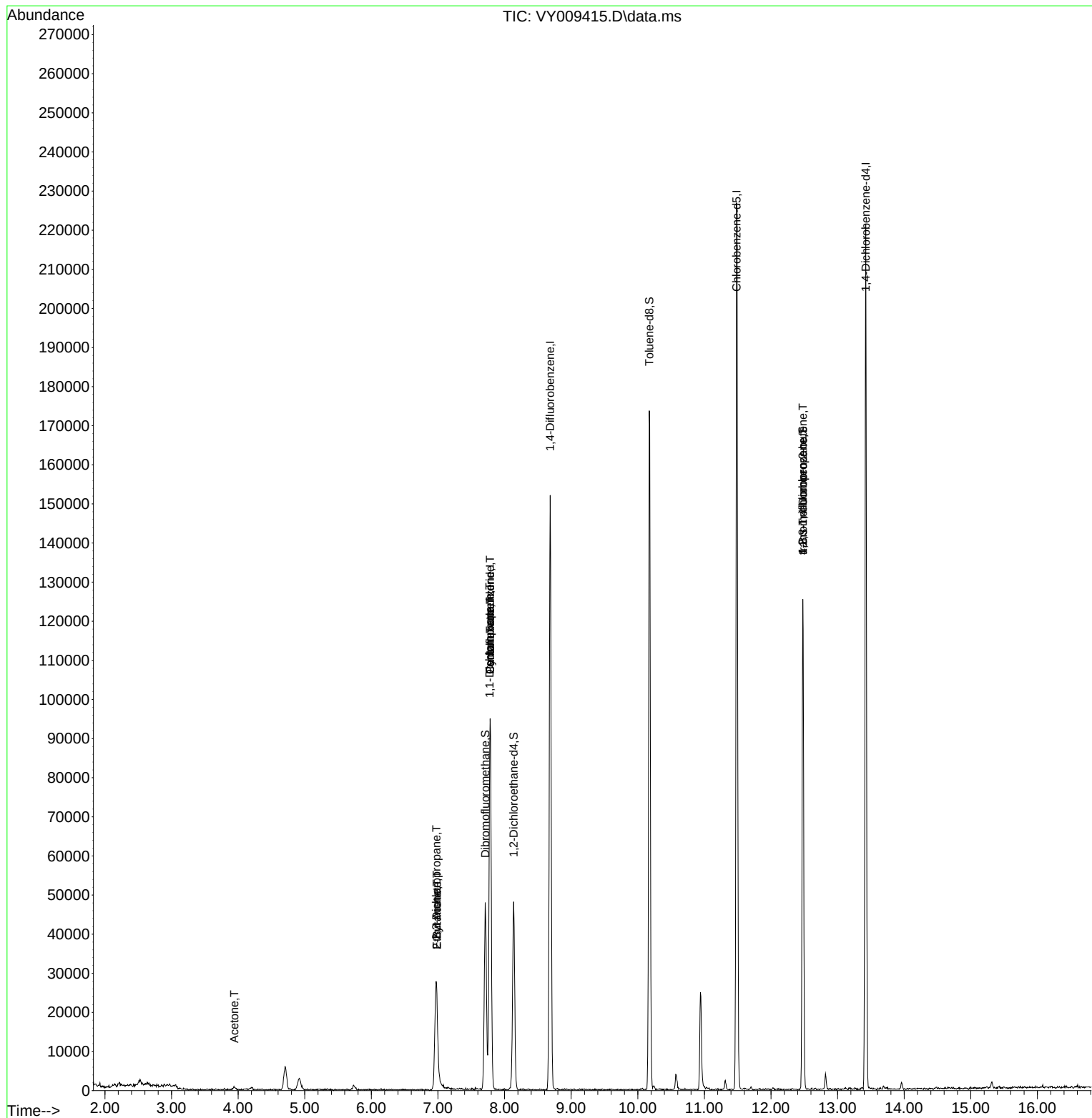
Internal Standards						
1) Pentafluorobenzene	7.783	168	74978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	125378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	121231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	54432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	34664	57.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.440%			
35) Dibromofluoromethane	7.710	113	31266	45.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.620%			
50) Toluene-d8	10.173	98	113239	53.523	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.040%			
62) 4-Bromofluorobenzene	12.477	95	36449	36.325	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.660%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	3076	Below Cal	#	77
16) Acetone	3.942	43	1127	5.714	ug/l	92
18) Methyl Acetate	4.460	43	65	Below Cal	#	56
20) Methylene Chloride	4.704	84	4283	Below Cal	#	79
25) 2-Butanone	6.984	43	1041	3.329	ug/l	# 83
26) 2,2-Dichloropropane	6.978	77	2363	1.704	ug/l	# 55
31) Cyclohexane	7.783	56	1673	1.239	ug/l	# 5
36) 1,1-Dichloropropene	7.777	75	6135	5.085	ug/l	# 46
37) Ethyl Acetate	6.984	43	1041	1.455	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	7521	5.964	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	19016	29.832	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	19016	66.420	ug/l	# 7

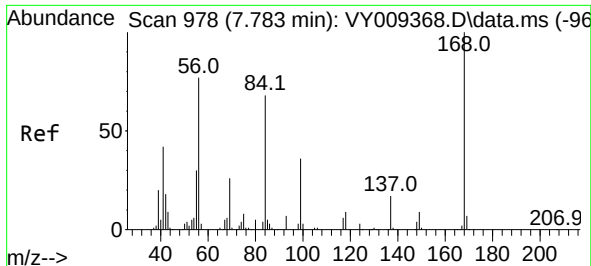
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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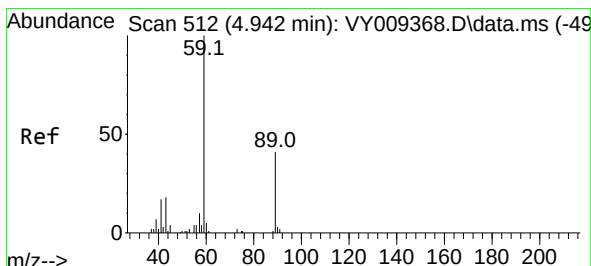
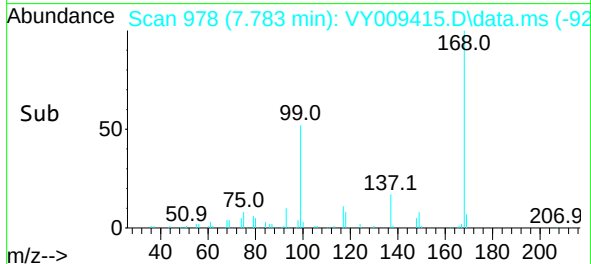
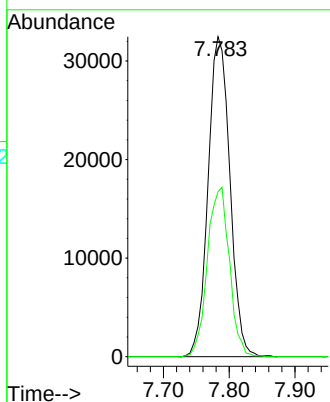
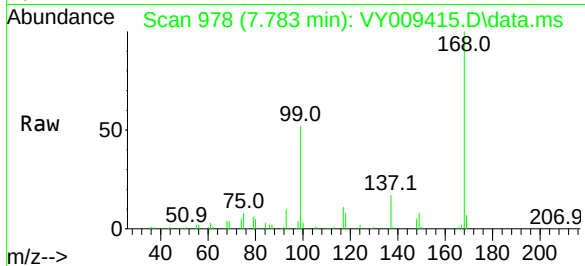




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

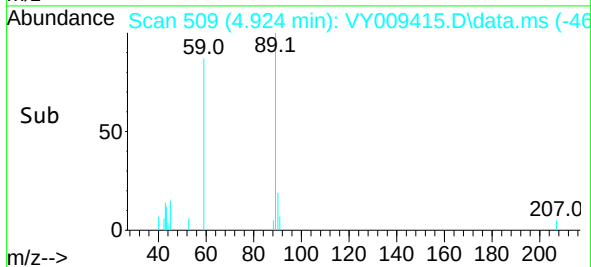
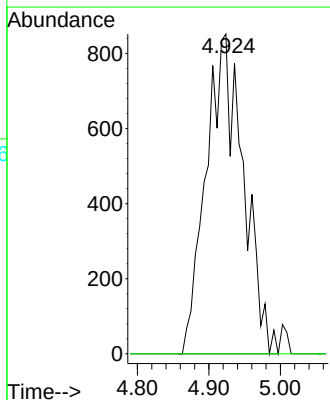
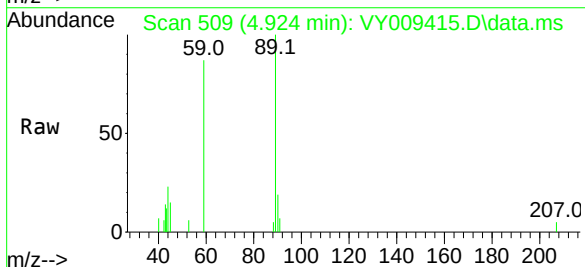
Instrument :
MSVOA_Y
ClientSampleId :
W-2

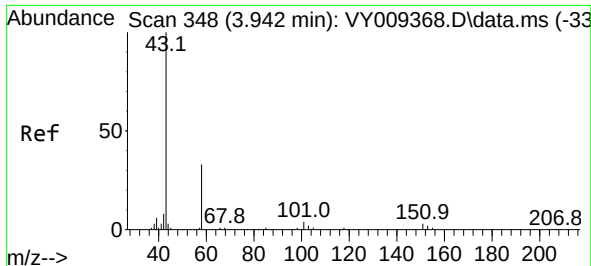
Tgt Ion:168 Resp: 74978
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 59 Resp: 3076
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 5.714 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY009415.D

Acq: 01 Jul 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

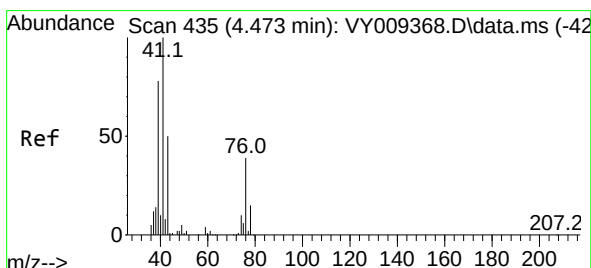
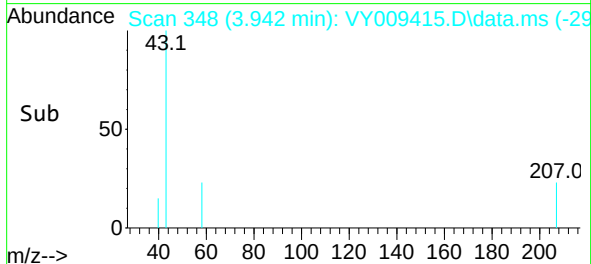
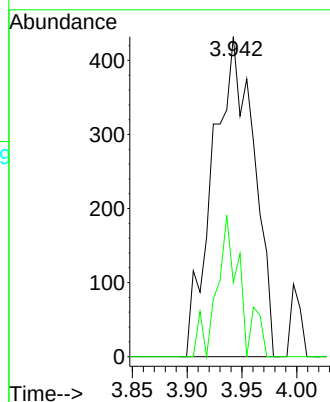
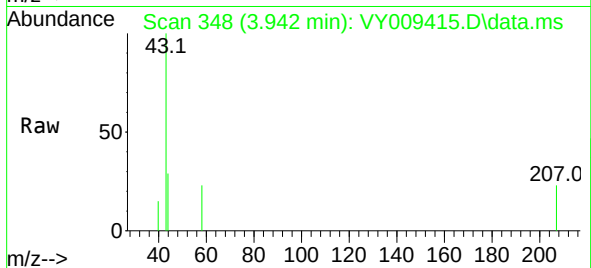
W-2

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

58 23.1 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 433

Delta R.T. -0.013 min

Lab File: VY009415.D

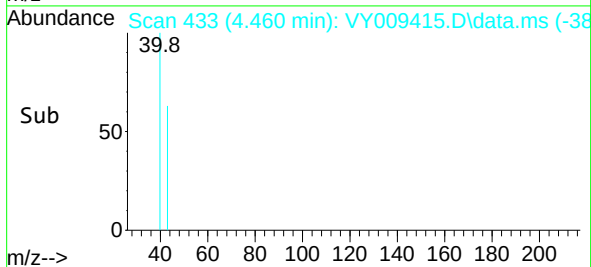
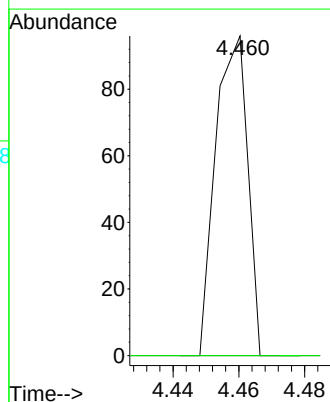
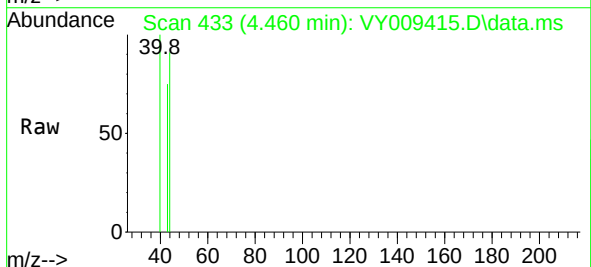
Acq: 01 Jul 2022 12:21

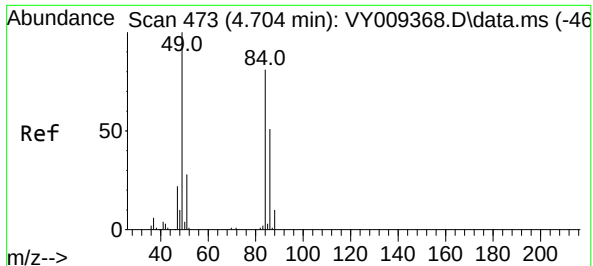
Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

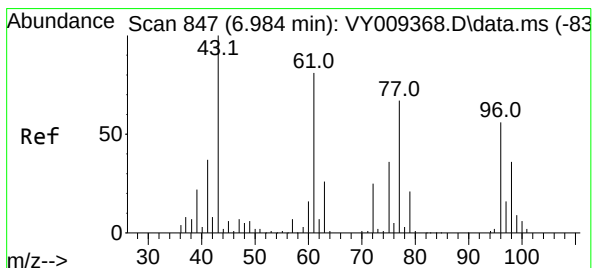
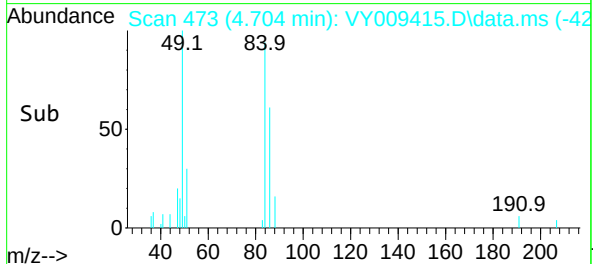
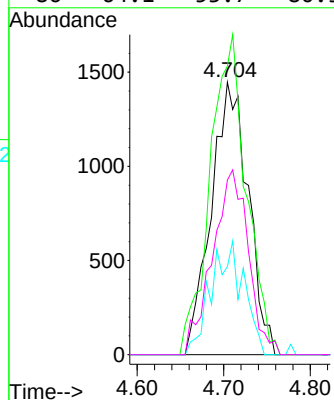
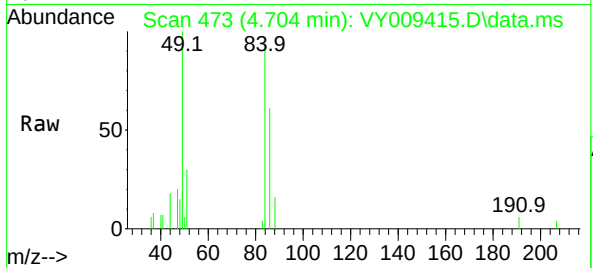




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

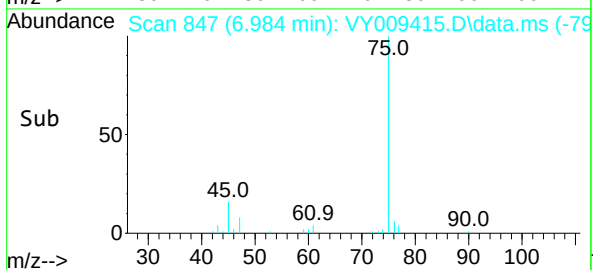
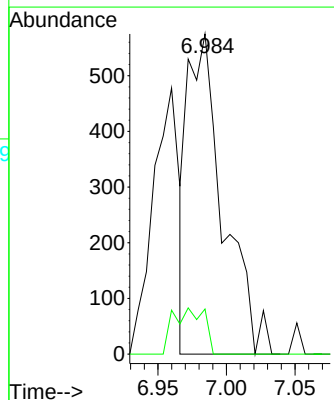
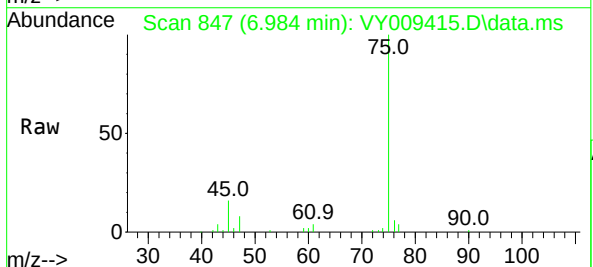
Instrument :
MSVOA_Y
ClientSampleId :
W-2

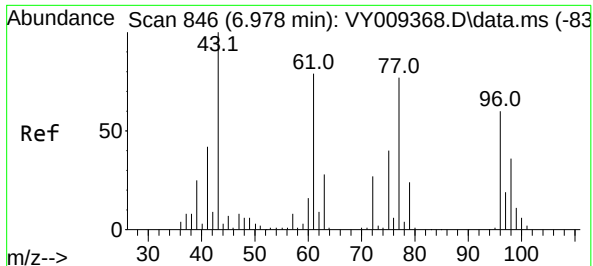
Tgt Ion: 84 Resp: 4283
Ion Ratio Lower Upper
84 100
49 105.9 114.4 171.6#
51 32.3 35.3 52.9#
86 64.1 53.7 80.5



#25
2-Butanone
Concen: 3.329 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
72 14.1 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.704 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009415.D

Acq: 01 Jul 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

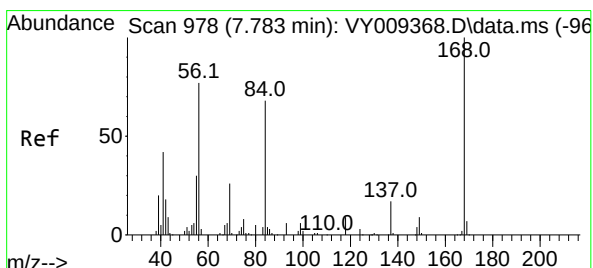
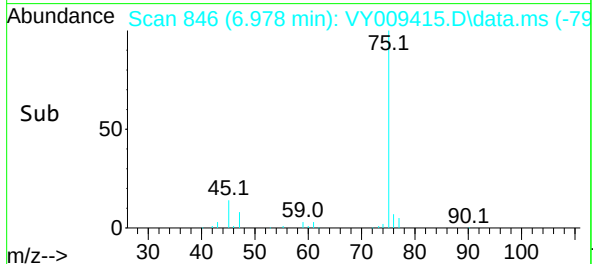
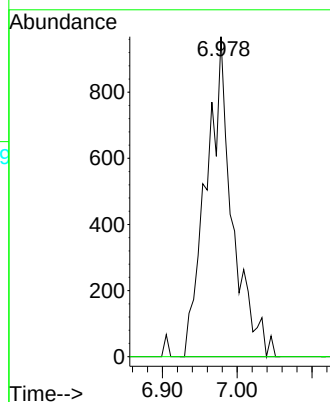
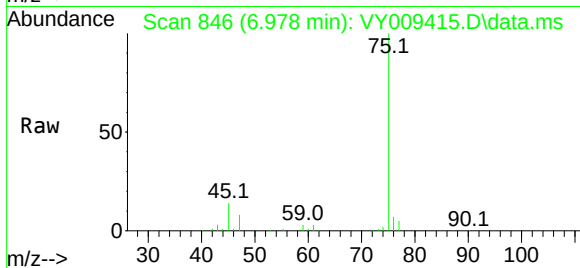
W-2

Tgt Ion: 77 Resp: 2363

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009415.D

Acq: 01 Jul 2022 12:21

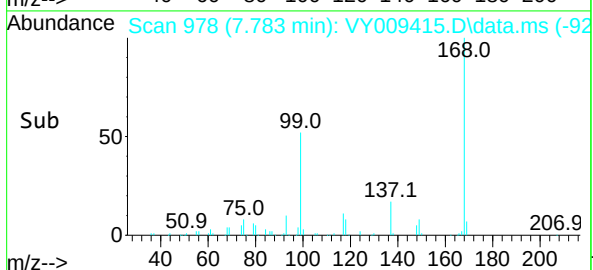
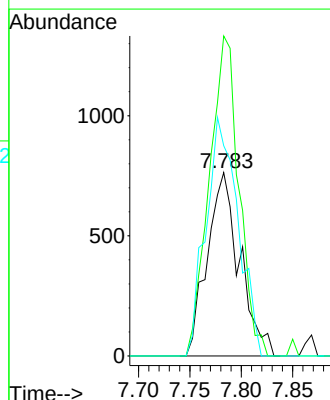
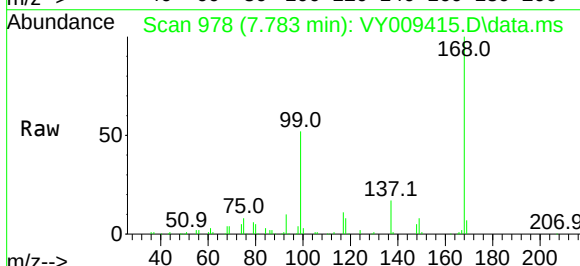
Tgt Ion: 56 Resp: 1673

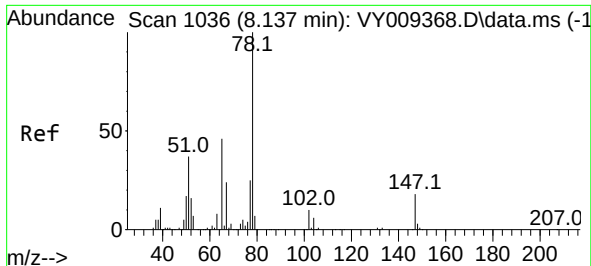
Ion Ratio Lower Upper

56 100

69 174.6 26.7 40.1#

84 114.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.721 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY009415.D

Acq: 01 Jul 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

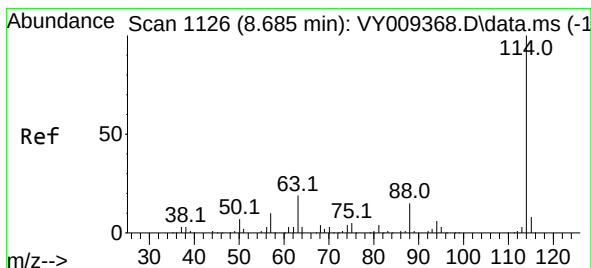
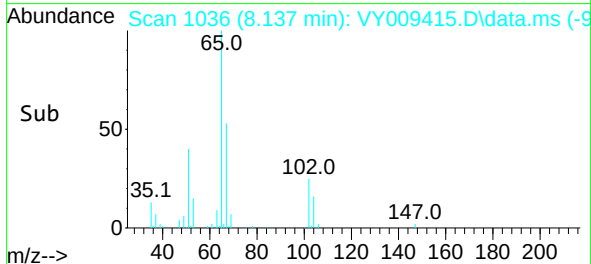
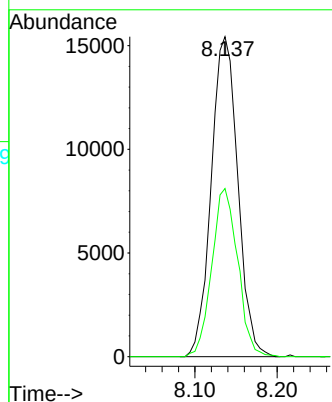
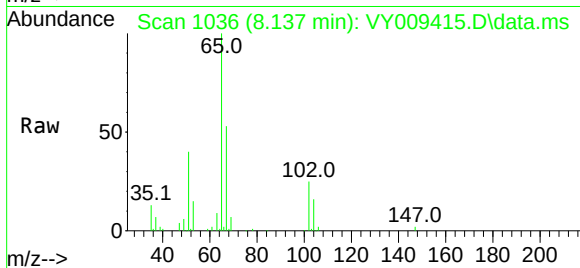
W-2

Tgt Ion: 65 Resp: 34664

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009415.D

Acq: 01 Jul 2022 12:21

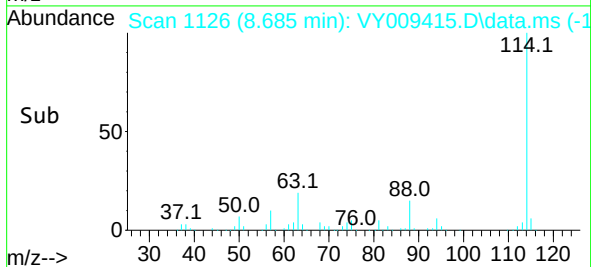
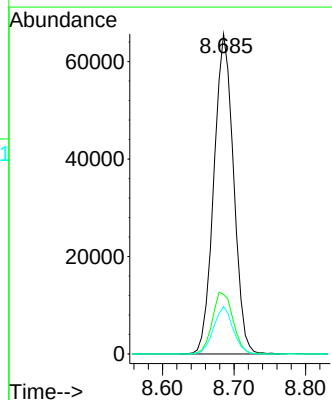
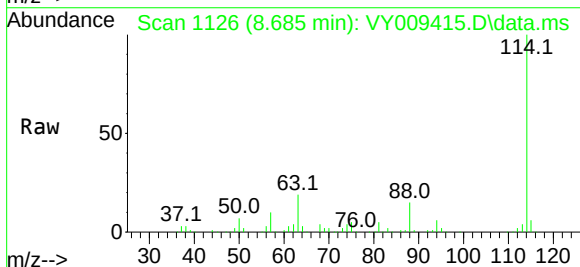
Tgt Ion: 114 Resp: 125378

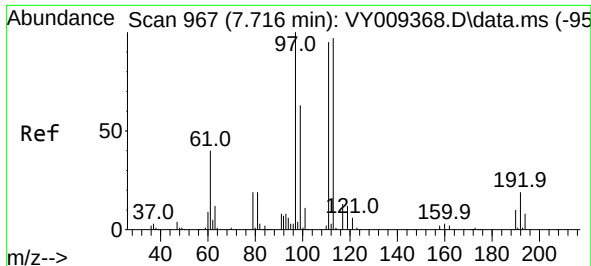
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.8 0.0 31.8

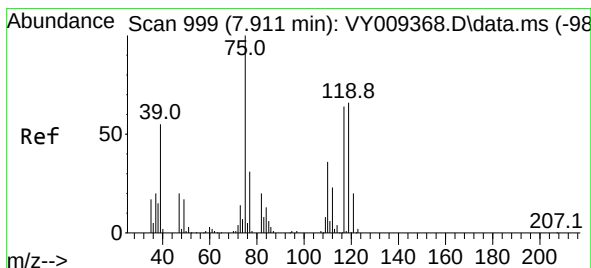
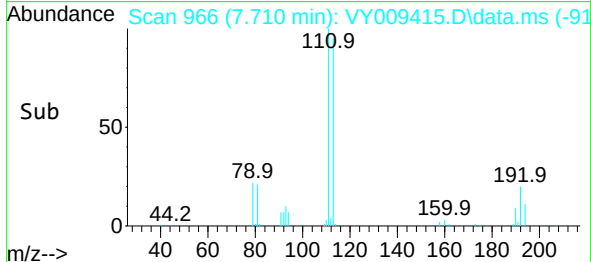
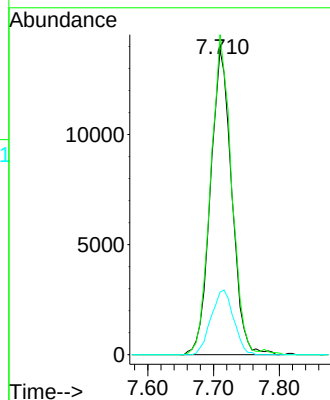
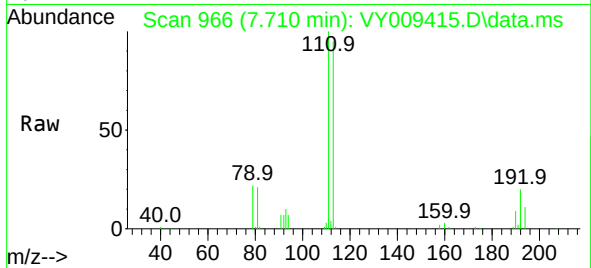




#35
Dibromofluoromethane
Concen: 45.310 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

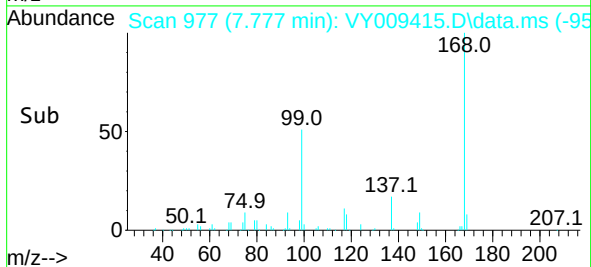
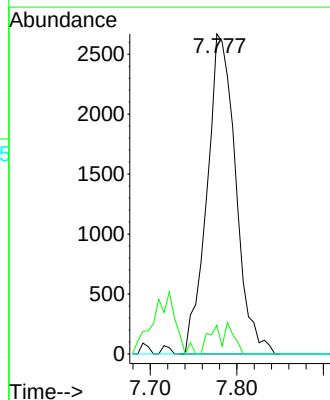
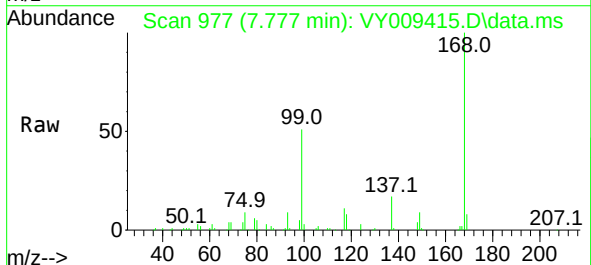
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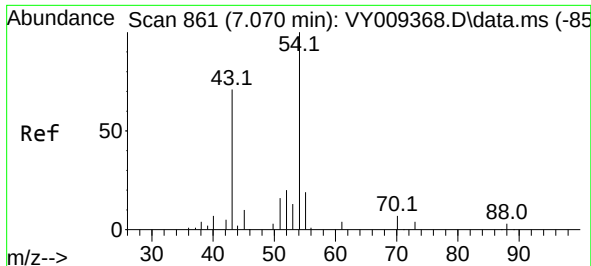
Tgt Ion:113 Resp: 31266
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 22.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.085 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 75 Resp: 6135
Ion Ratio Lower Upper
75 100
110 3.8 17.1 51.2#
77 0.0 24.4 36.6#

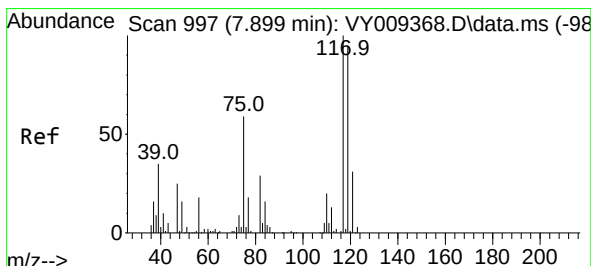
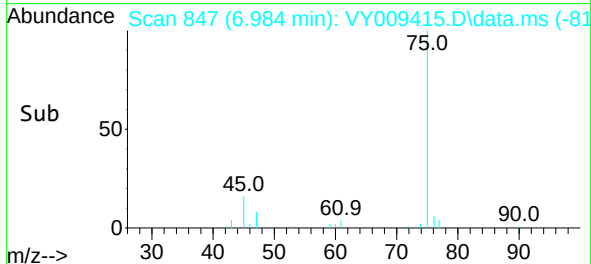
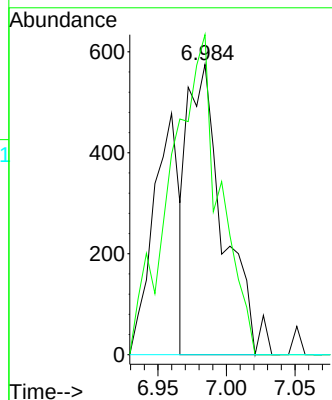
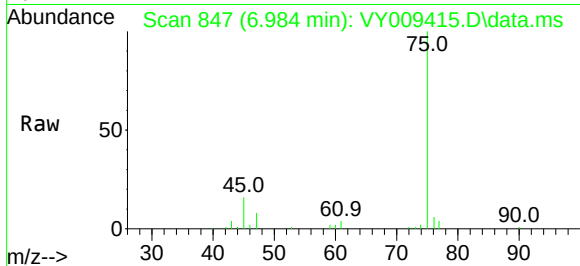




#37
Ethyl Acetate
Concen: 1.455 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

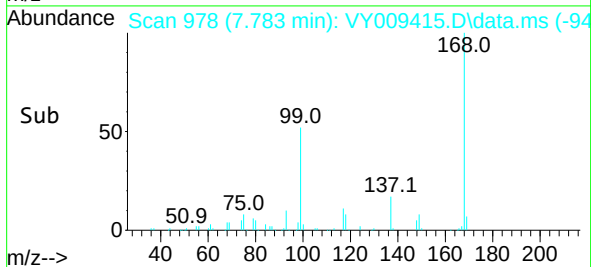
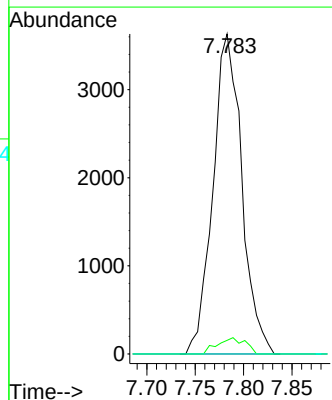
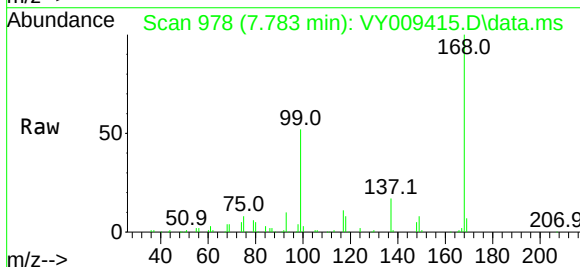
Instrument :
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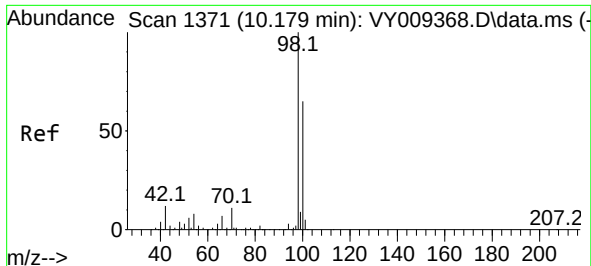
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
61 152.2 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 117 Resp: 7521
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#

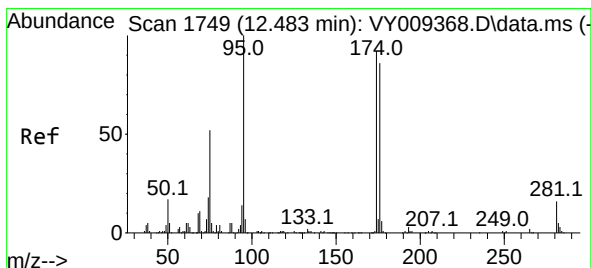
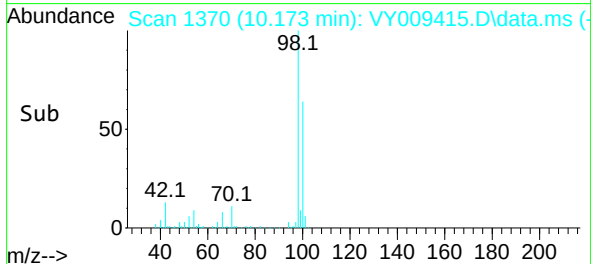
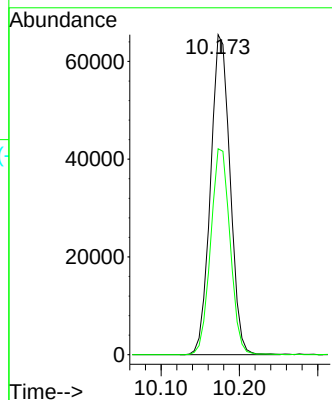
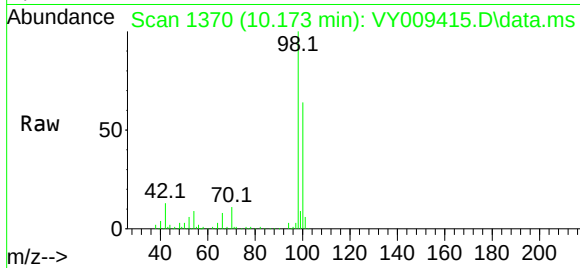




#50
Toluene-d8
Concen: 53.523 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

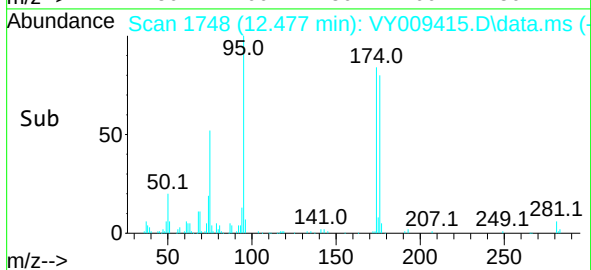
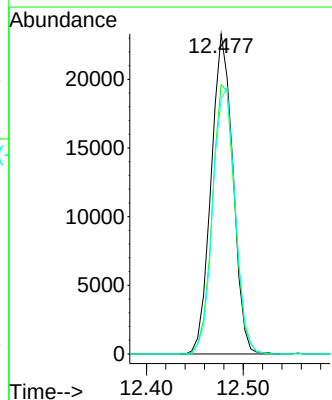
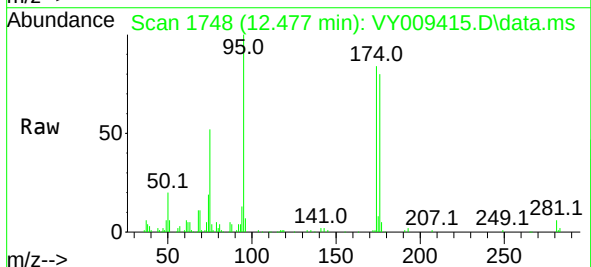
Instrument :
MSVOA_Y
ClientSampleId :
W-2

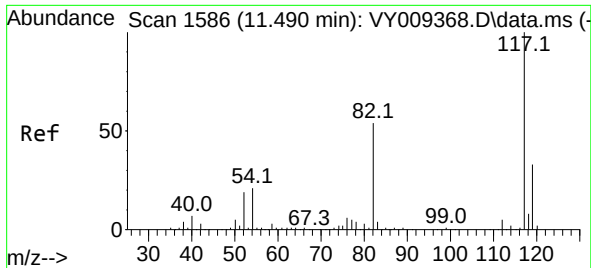
Tgt Ion: 98 Resp: 113239
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.325 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 95 Resp: 36449
Ion Ratio Lower Upper
95 100
174 86.5 0.0 177.0
176 85.3 0.0 175.8

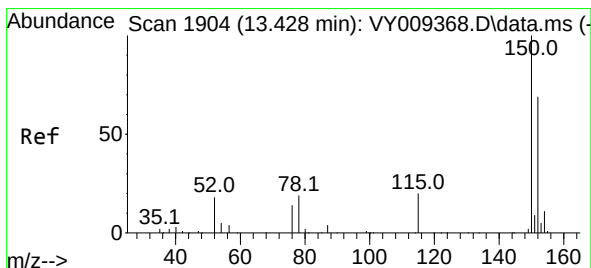
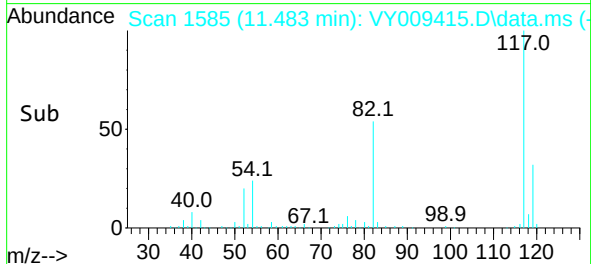
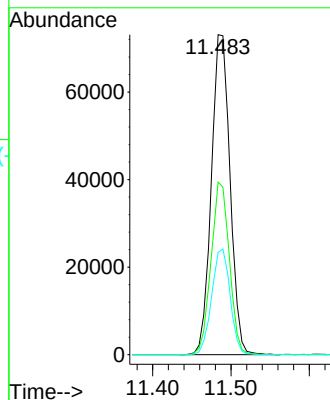
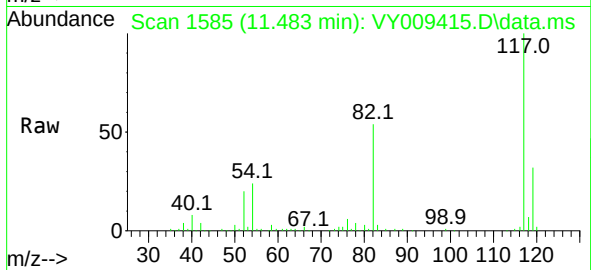




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

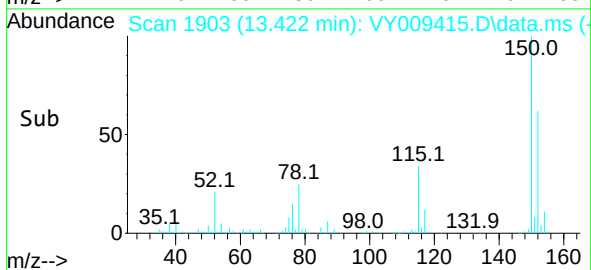
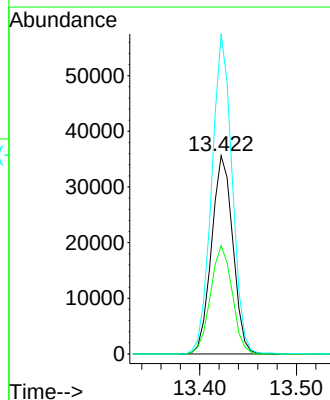
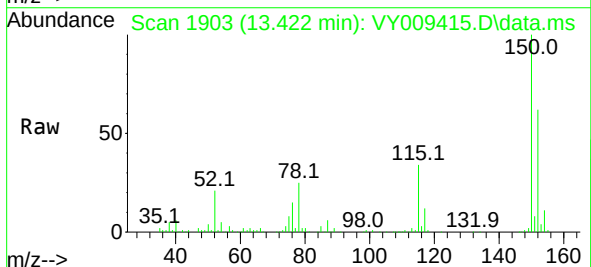
Instrument :
MSVOA_Y
ClientSampleId :
W-2

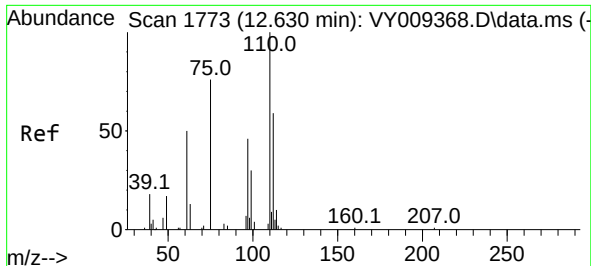
Tgt Ion:117 Resp: 121231
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion:152 Resp: 54432
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 155.0 0.0 347.6

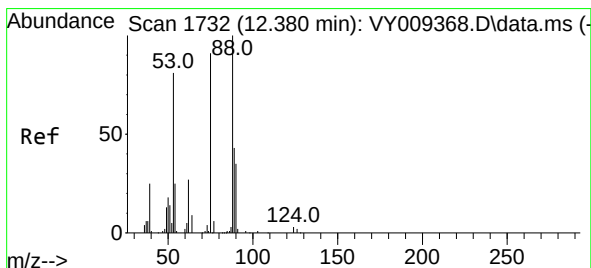
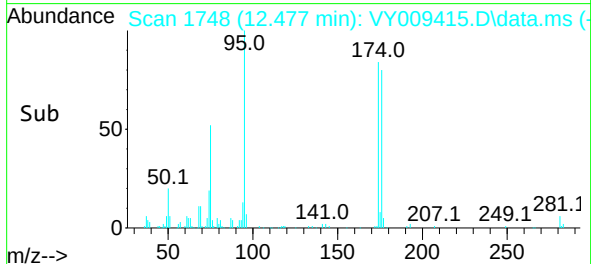
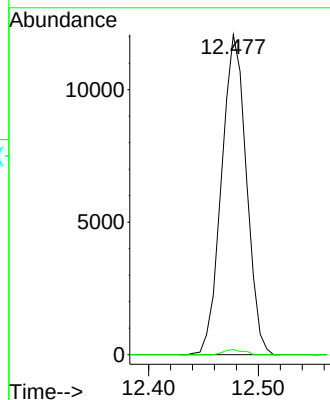
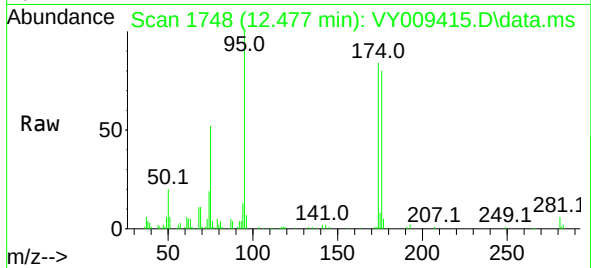




#76
1,2,3-Trichloropropane
Concen: 29.832 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Instrument :
MSVOA_Y
ClientSampleId :
W-2

Tgt Ion: 75 Resp: 19016
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.420 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009415.D
Acq: 01 Jul 2022 12:21

Tgt Ion: 75 Resp: 19016
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

