

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070122\
 Data File : VY009423.D
 Acq On : 01 Jul 2022 15:30
 Operator : KP/MD
 Sample : N3549-02RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ML-2

Quant Time: Jul 05 02:46:17 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	110660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	182339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	168666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76837	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	48603	54.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.680%
35) Dibromofluoromethane	7.710	113	43005	42.853	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.700%
50) Toluene-d8	10.173	98	158837	51.623	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.240%
62) 4-Bromofluorobenzene	12.477	95	50487	34.597	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.200%

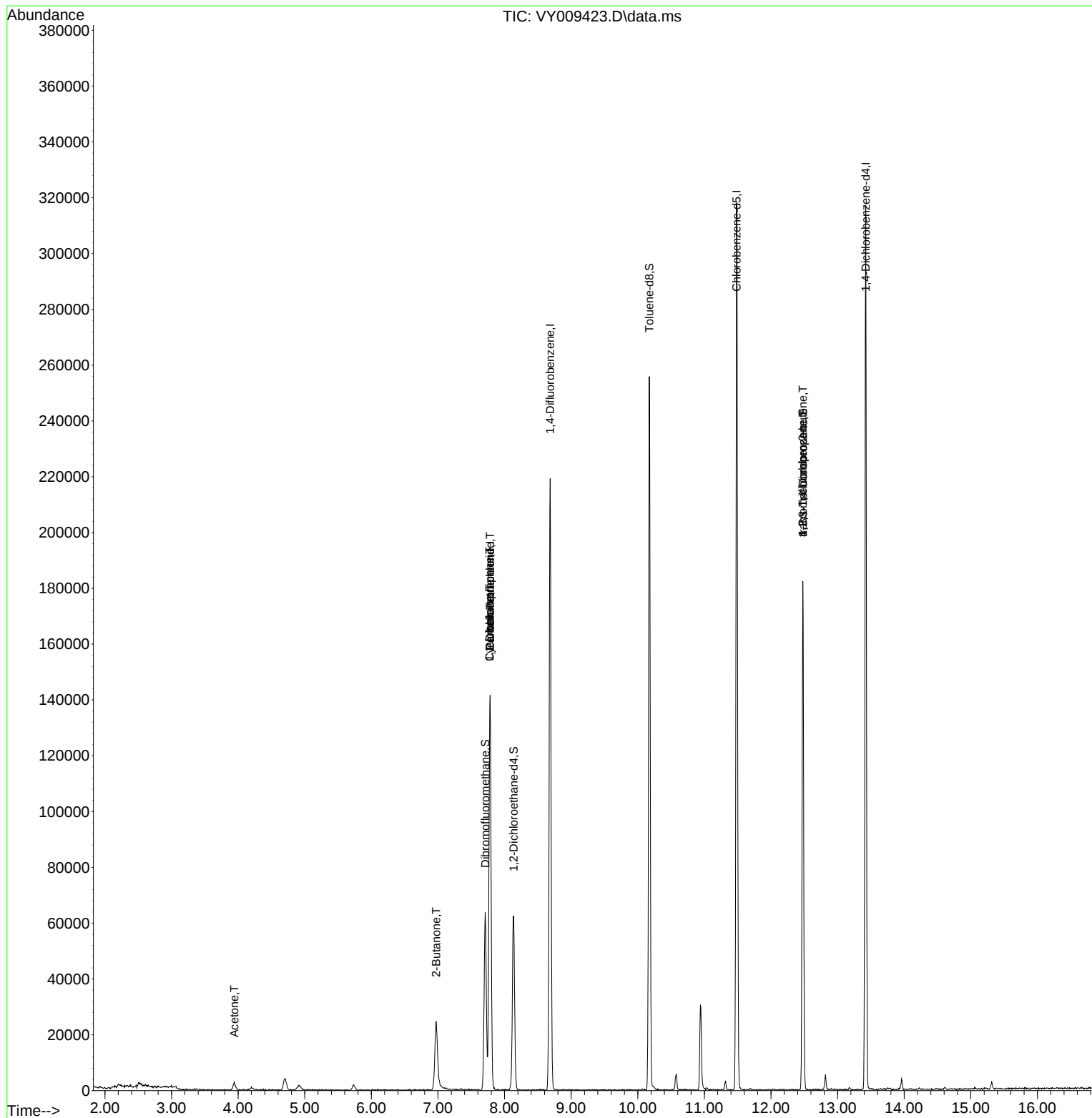
Target Compounds					Qvalue
11) Tert butyl alcohol	4.912	59	955	Below Cal	# 77
16) Acetone	3.942	43	4493	15.435	ug/l # 73
18) Methyl Acetate	4.460	43	29	Below Cal	# 56
20) Methylene Chloride	4.710	84	3286	Below Cal	# 76
25) 2-Butanone	6.972	43	1441	3.122	ug/l # 54
31) Cyclohexane	7.777	56	2348	1.178	ug/l # 22
36) 1,1-Dichloropropene	7.777	75	8076	4.603	ug/l # 53
38) Carbon Tetrachloride	7.783	117	10616	5.788	ug/l # 17
76) 1,2,3-Trichloropropane	12.477	75	27088	30.104	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.477	75	27088	67.025	ug/l # 7

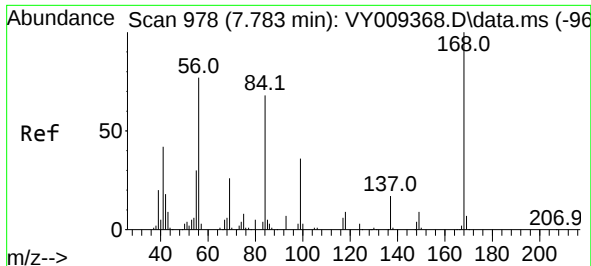
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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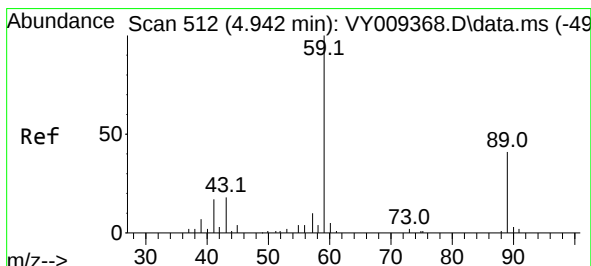
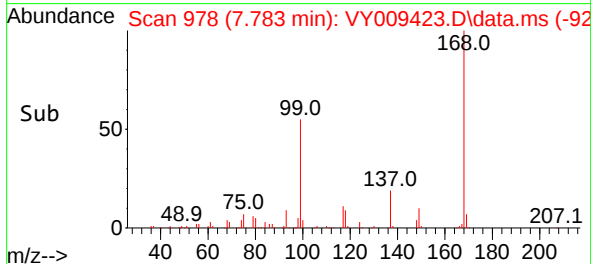
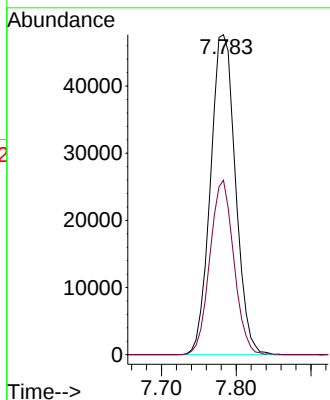
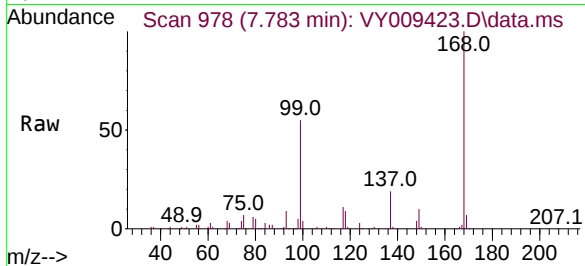




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

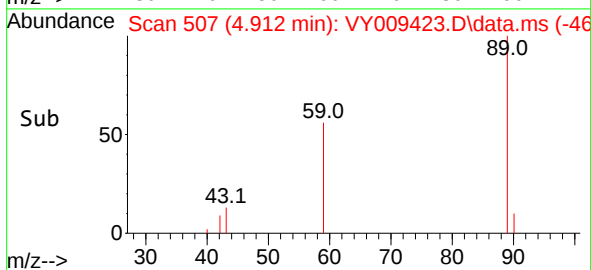
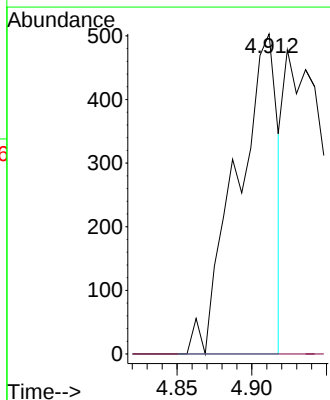
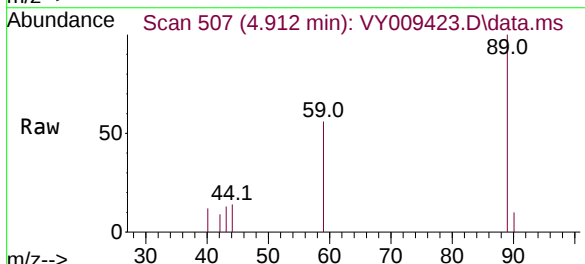
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

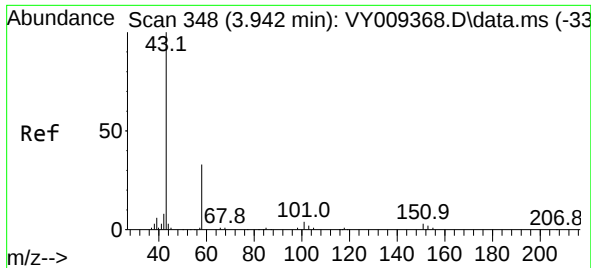
Tgt Ion:168 Resp: 110660
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.912 min Scan# 507
Delta R.T. -0.030 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 59 Resp: 955
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

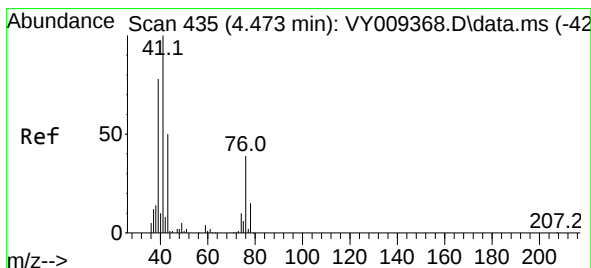
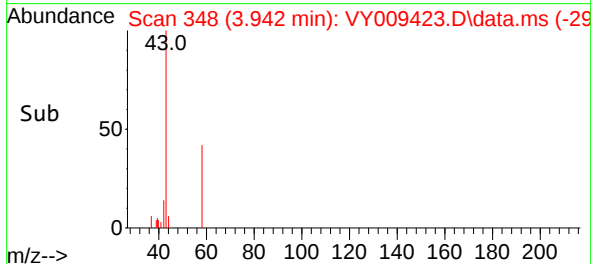
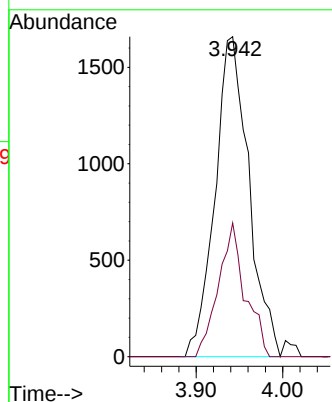
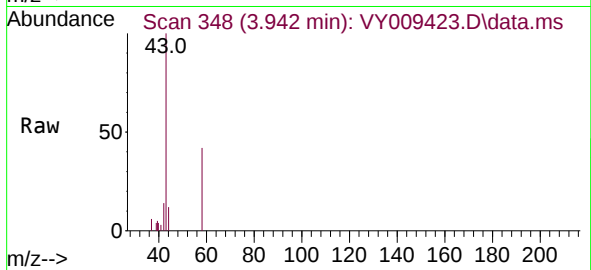




#16
Acetone
Concen: 15.435 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

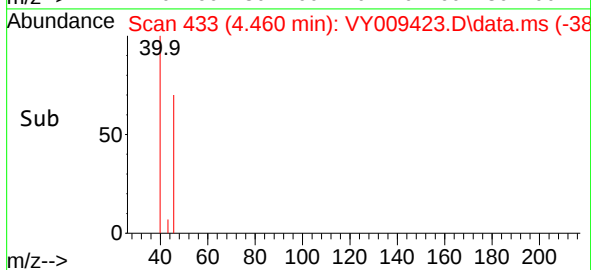
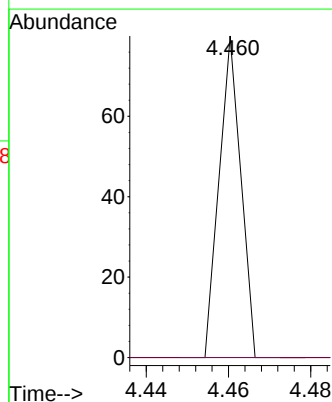
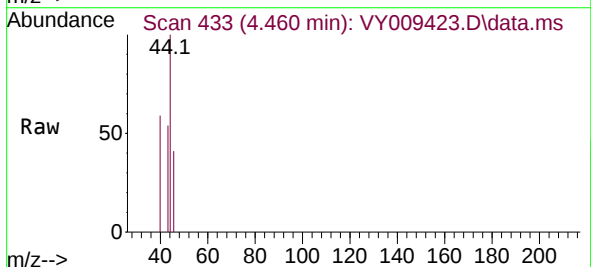
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

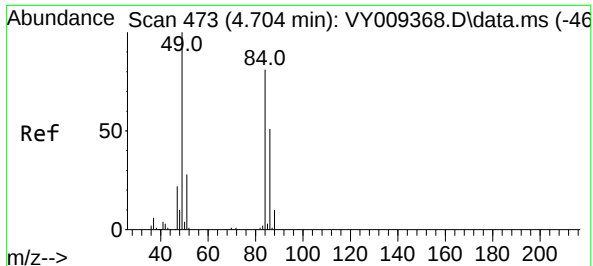
Tgt Ion: 43 Resp: 4493
Ion Ratio Lower Upper
43 100
58 41.8 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.013 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

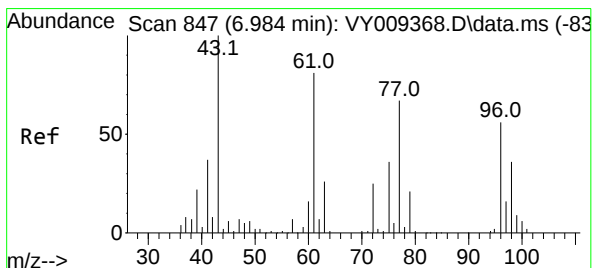
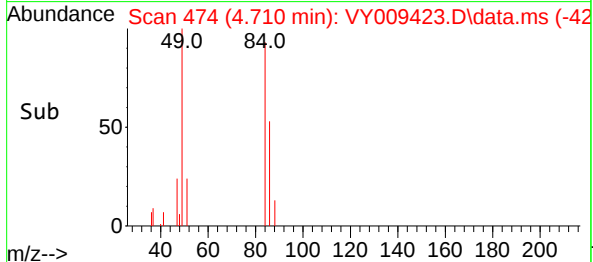
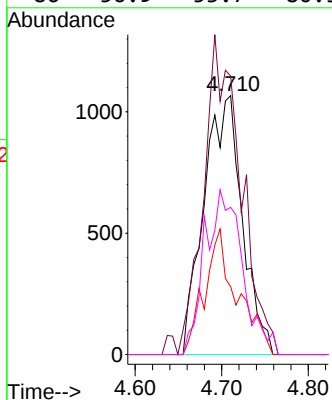
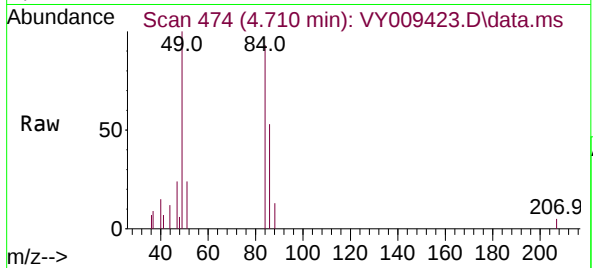




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

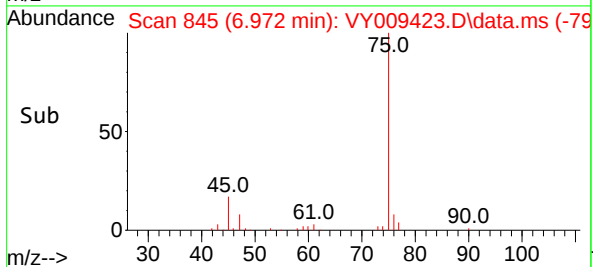
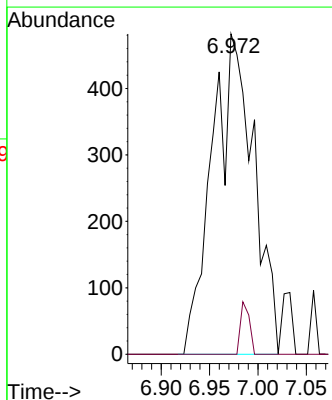
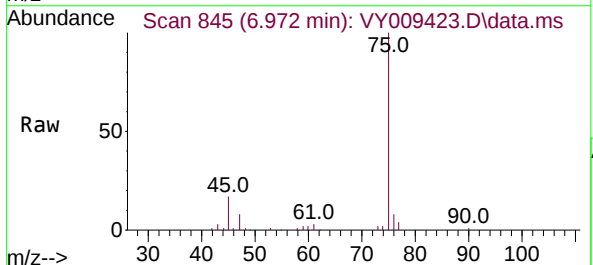
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

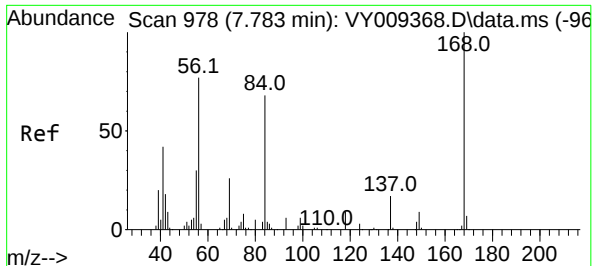
Tgt Ion: 84 Resp: 3286
Ion Ratio Lower Upper
84 100
49 107.5 114.4 171.6#
51 26.2 35.3 52.9#
86 56.9 53.7 80.5



#25
2-Butanone
Concen: 3.122 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

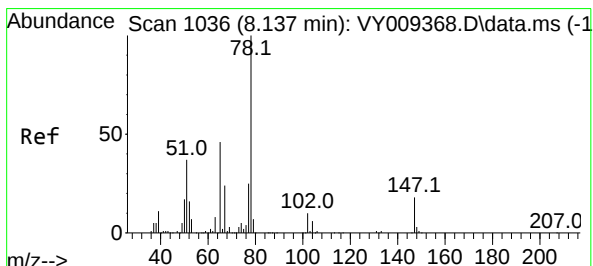
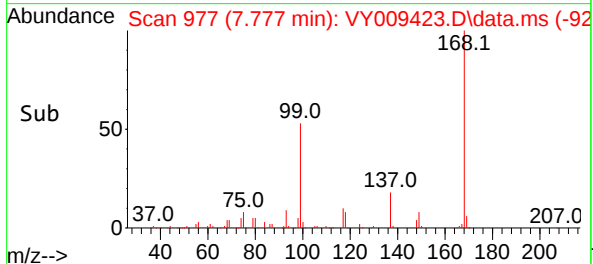
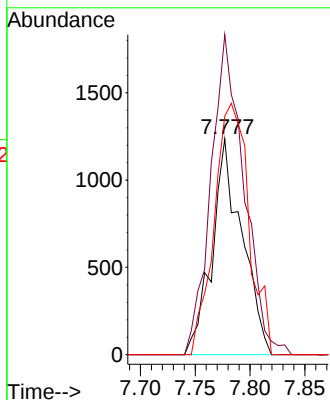
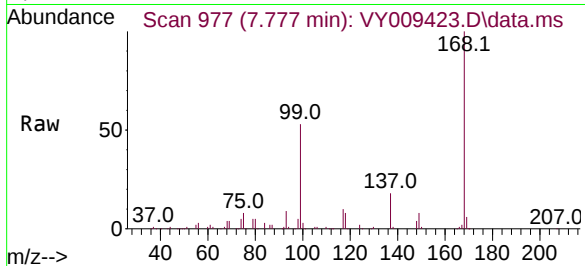




#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

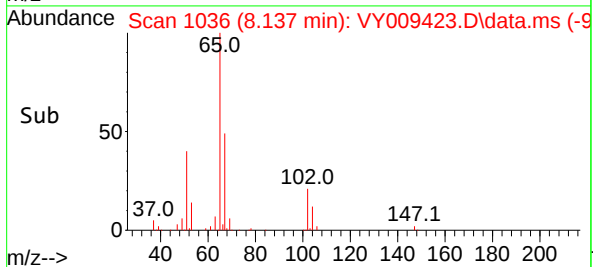
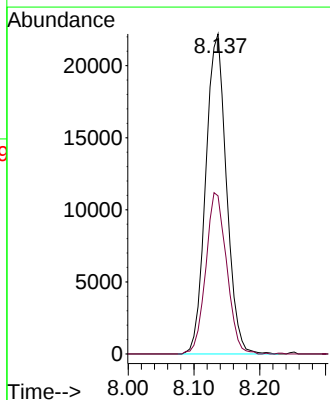
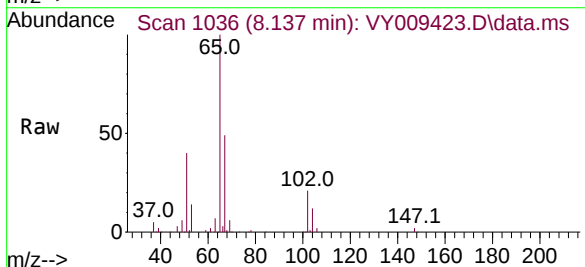
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

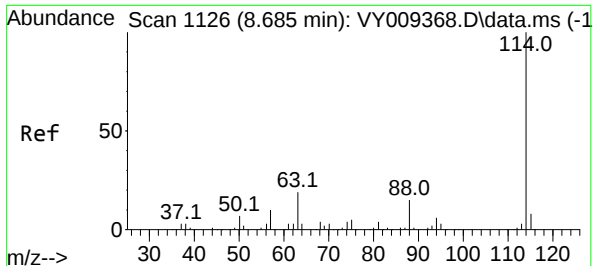
Tgt Ion: 56 Resp: 2348
Ion Ratio Lower Upper
56 100
69 148.3 26.7 40.1#
84 110.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.835 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 65 Resp: 48603
Ion Ratio Lower Upper
65 100
67 50.8 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: VY009423.D

Acq: 01 Jul 2022 15:30

Instrument :

MSVOA_Y

ClientSampleId :

ML-2

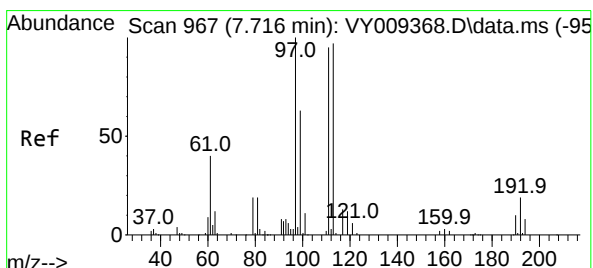
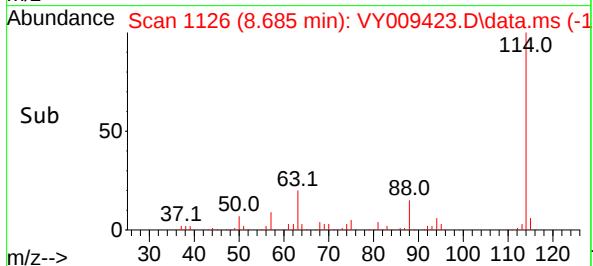
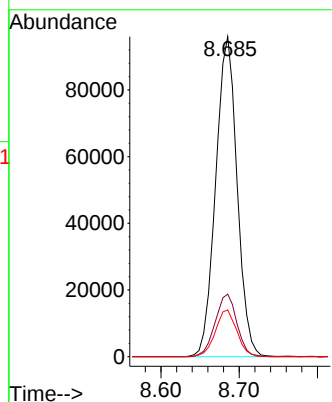
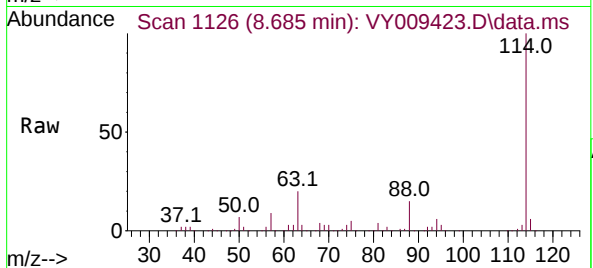
Tgt Ion:114 Resp: 182339

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.853 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009423.D

Acq: 01 Jul 2022 15:30

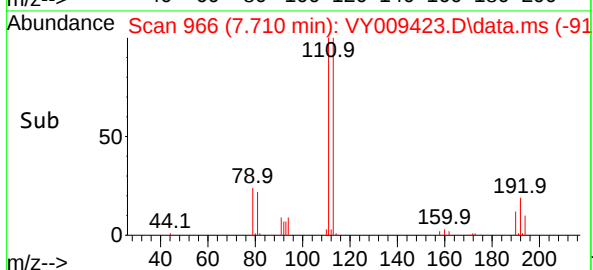
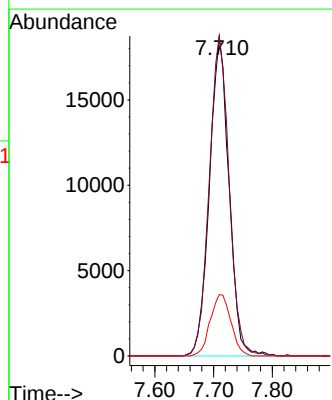
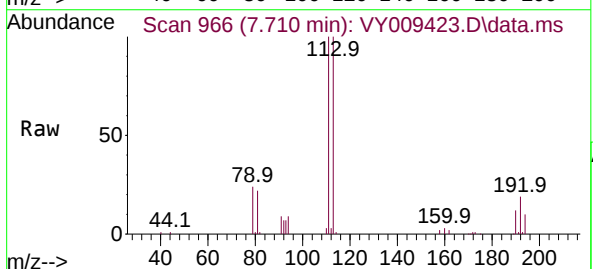
Tgt Ion:113 Resp: 43005

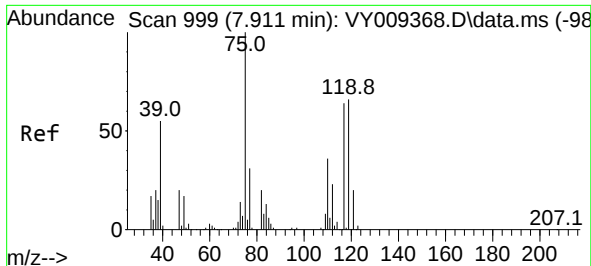
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 20.4 17.6 26.4

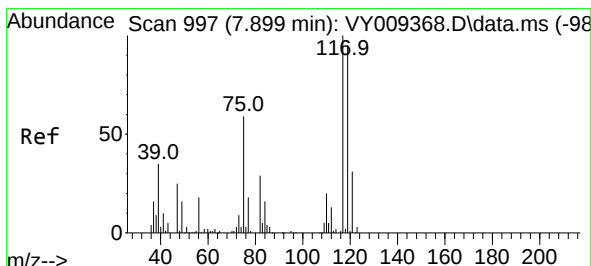
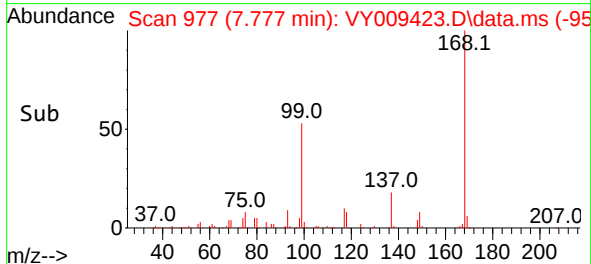
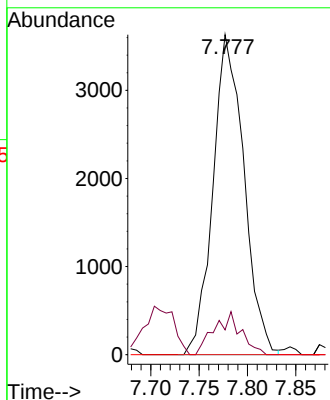
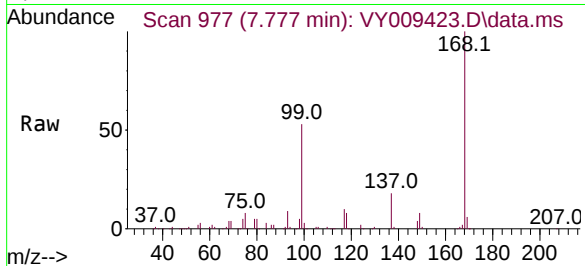




#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.777 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY009423.D
 Acq: 01 Jul 2022 15:30

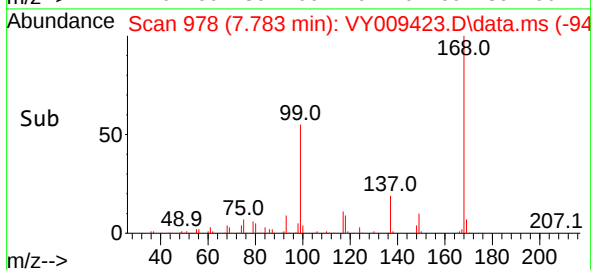
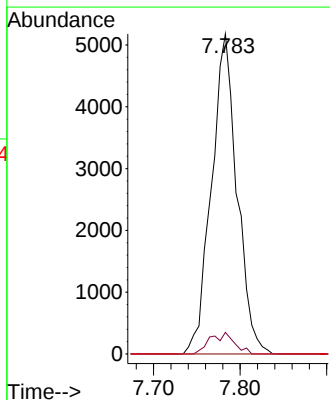
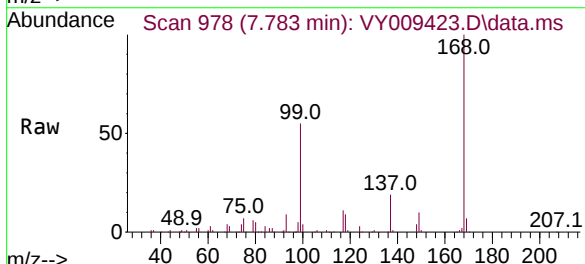
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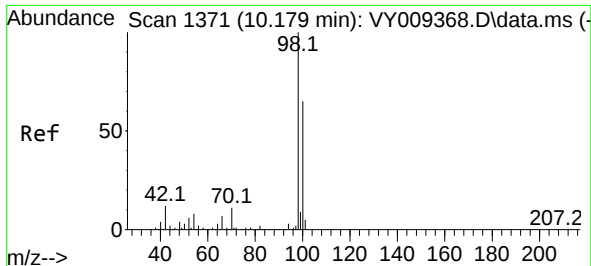
Tgt Ion: 75 Resp: 8076
 Ion Ratio Lower Upper
 75 100
 110 11.6 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.788 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009423.D
 Acq: 01 Jul 2022 15:30

Tgt Ion: 117 Resp: 10616
 Ion Ratio Lower Upper
 117 100
 119 6.8 77.9 116.9#
 121 0.0 24.8 37.2#

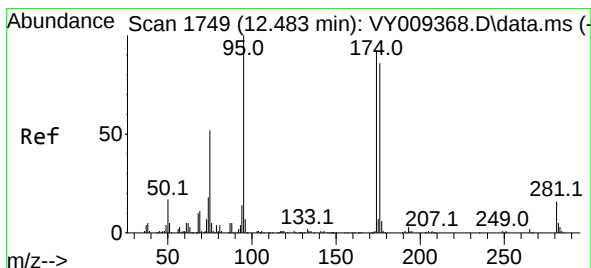
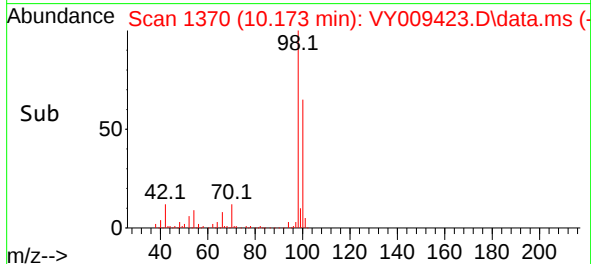
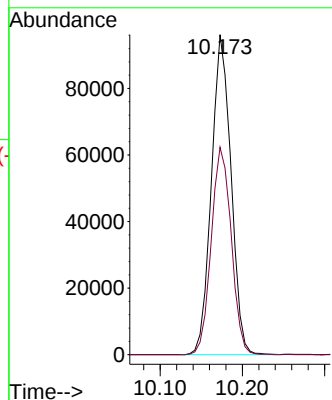
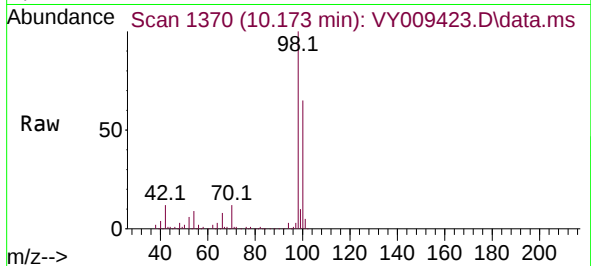




#50
Toluene-d8
Concen: 51.623 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

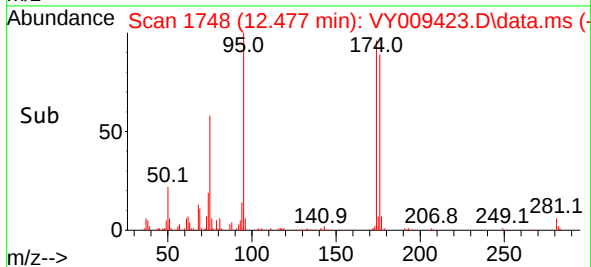
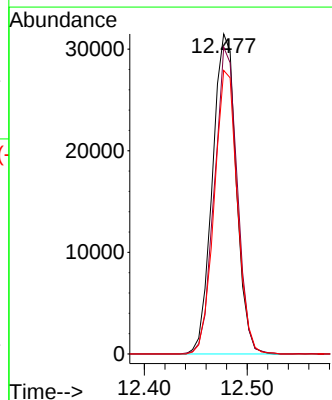
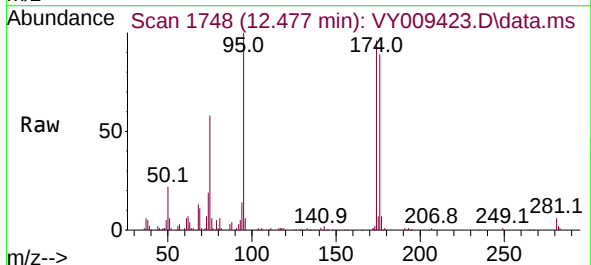
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

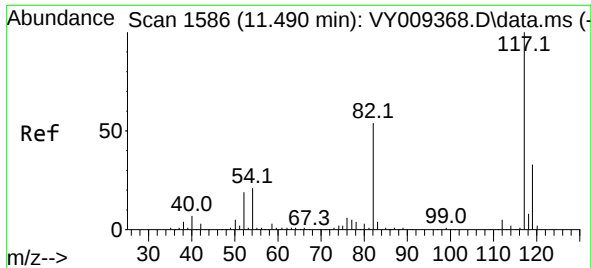
Tgt Ion: 98 Resp: 158837
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 34.597 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 95 Resp: 50487
Ion Ratio Lower Upper
95 100
174 92.0 0.0 177.0
176 85.9 0.0 175.8

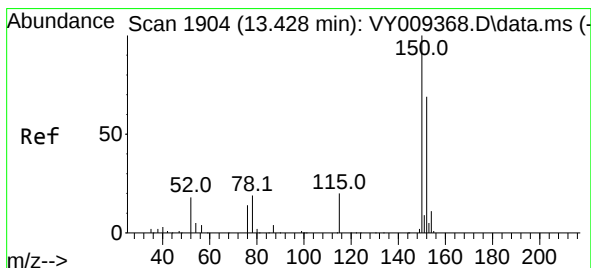
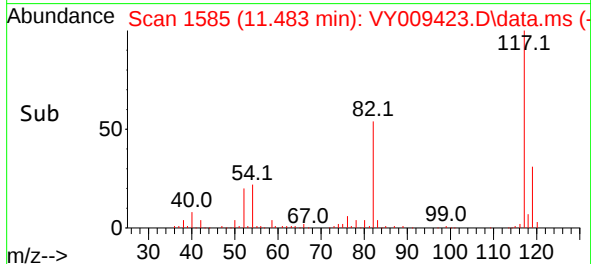
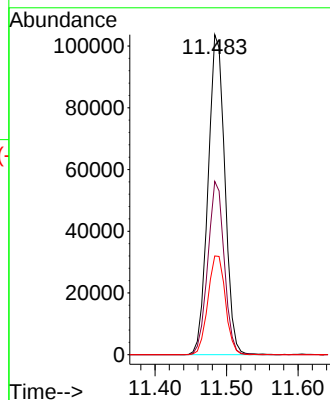
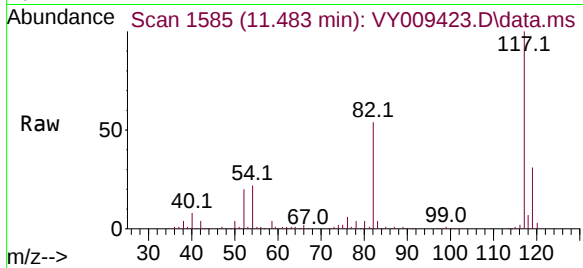




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

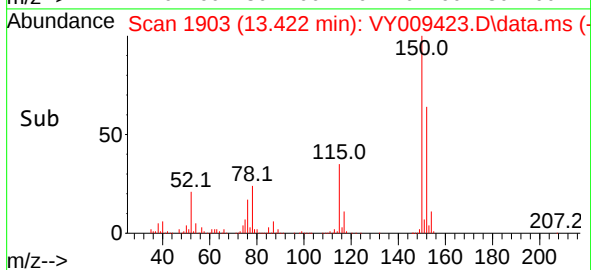
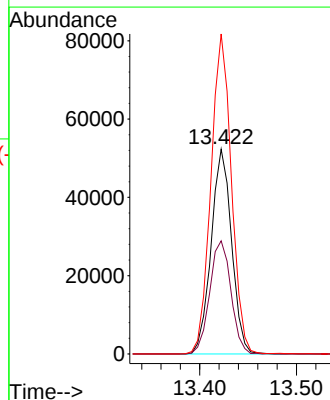
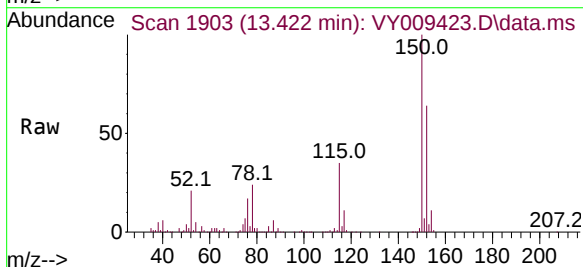
Instrument :
MSVOA_Y
ClientSampleId :
ML-2

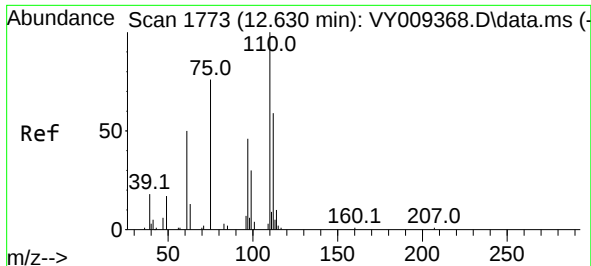
Tgt Ion:117 Resp: 168666
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 30.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion:152 Resp: 76837
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 156.3 0.0 347.6

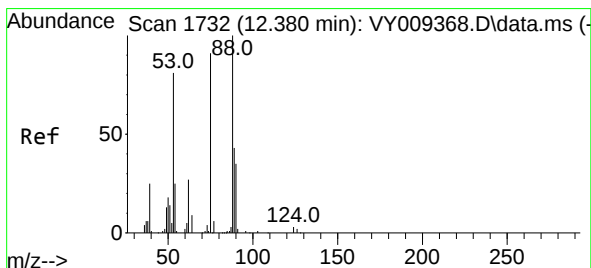
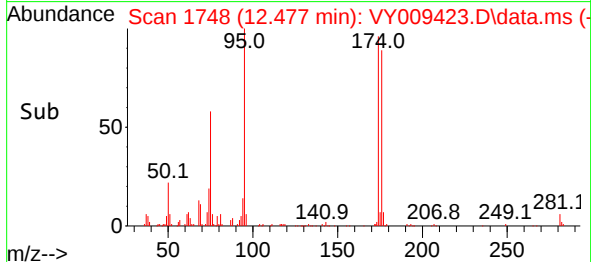
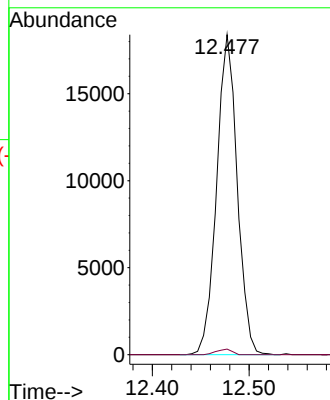
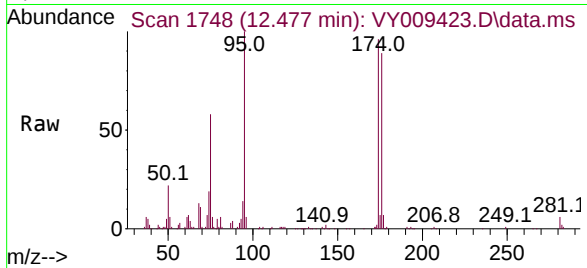




#76
1,2,3-Trichloropropane
Concen: 30.104 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Instrument :
MSVOA_Y
ClientSampleId :
ML-2

Tgt Ion: 75 Resp: 27088
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.025 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009423.D
Acq: 01 Jul 2022 15:30

Tgt Ion: 75 Resp: 27088
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

