

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070122\
 Data File : VY009414.D
 Acq On : 01 Jul 2022 11:57
 Operator : KP/MD
 Sample : N3547-01RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T-1RE

Quant Time: Jul 05 02:43:08 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	30949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	46197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	42217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	16235	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	12124	48.909	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.820%
35) Dibromofluoromethane	7.710	113	11895	46.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.560%
50) Toluene-d8	10.179	98	40828	52.374	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.740%
62) 4-Bromofluorobenzene	12.477	95	11140	30.131	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	60.260%

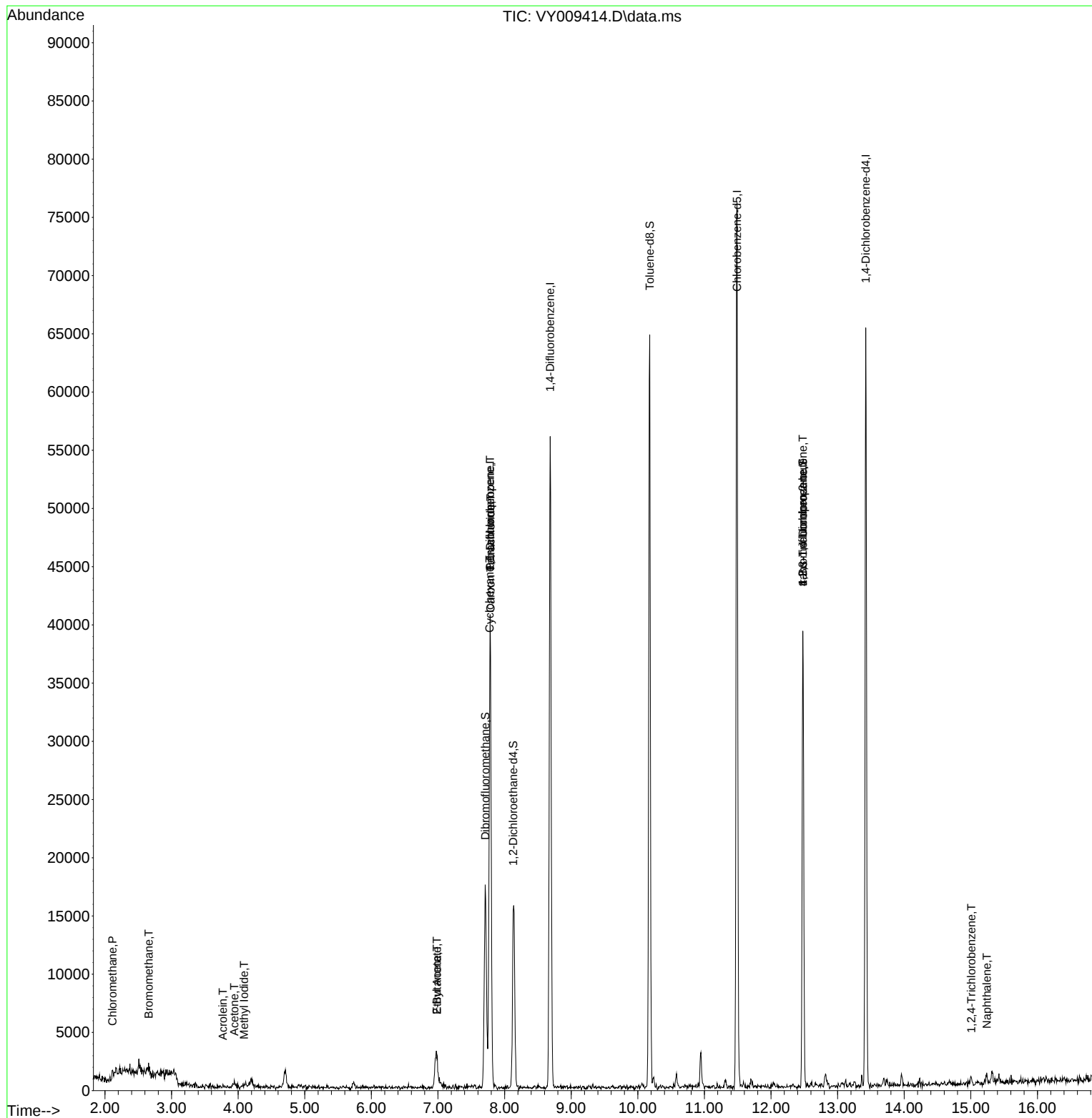
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	322	1.161	ug/l #	44
5) Bromomethane	2.656	94	339	1.647	ug/l	97
10) Methyl Iodide	4.088	142	433	1.293	ug/l #	65
11) Tert butyl alcohol	4.948	59	148	Below Cal	#	77
13) Acrolein	3.771	56	26	1.257	ug/l #	14
16) Acetone	3.942	43	895	10.994	ug/l	95
18) Methyl Acetate	4.308	43	31	Below Cal	#	56
20) Methylene Chloride	4.710	84	1038	Below Cal	#	88
25) 2-Butanone	6.984	43	307	2.379	ug/l #	78
31) Cyclohexane	7.777	56	696	1.248	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	2525	5.680	ug/l #	50
37) Ethyl Acetate	6.984	43	307	1.164	ug/l #	73
38) Carbon Tetrachloride	7.789	117	2853	6.140	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	6154	32.368	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	6154	72.067	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	382	1.256	ug/l #	78
95) Naphthalene	15.239	128	812	1.334	ug/l #	77

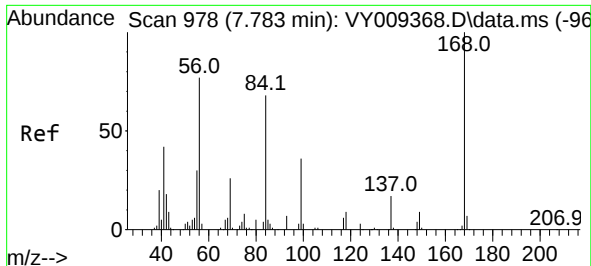
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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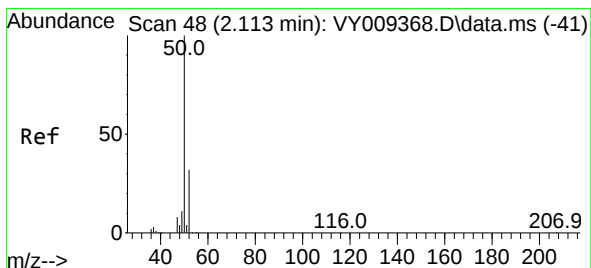
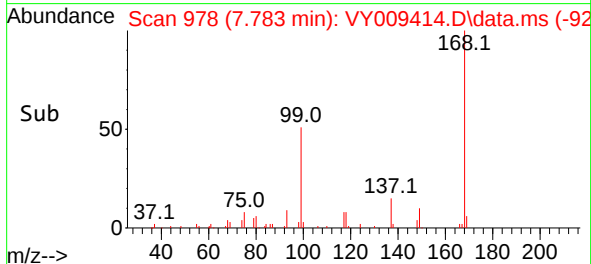
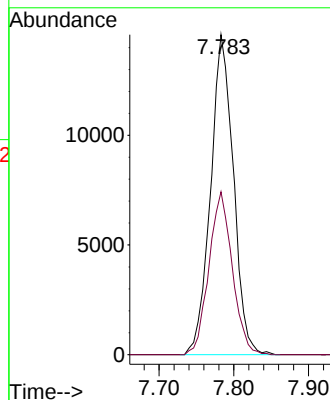
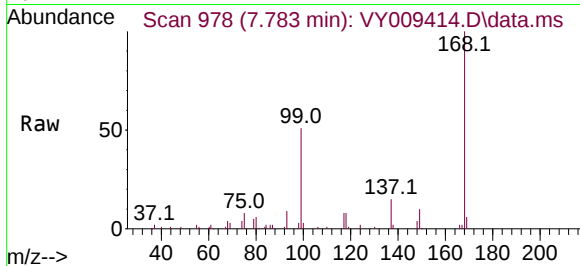




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

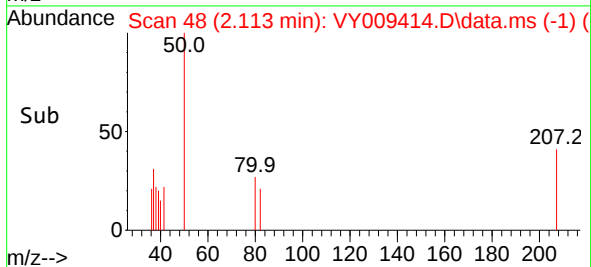
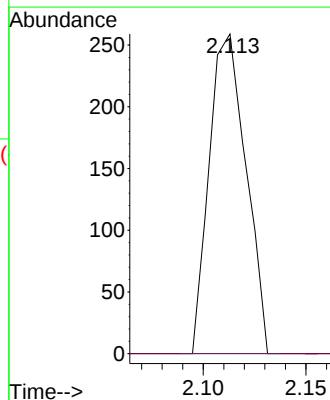
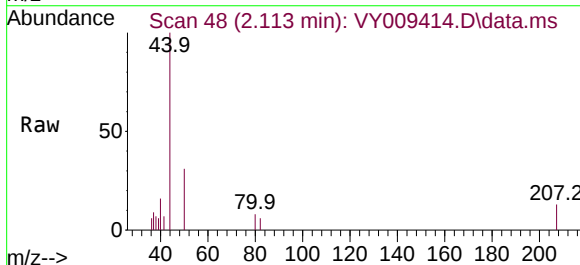
Instrument :
MSVOA_Y
ClientSampleId :
T-1RE

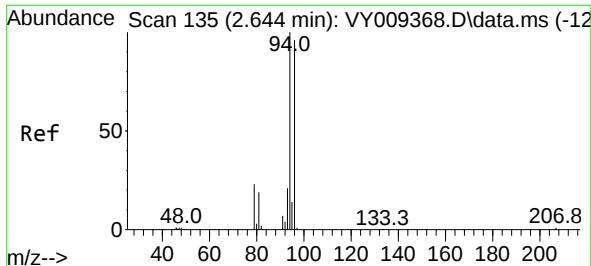
Tgt Ion:168 Resp: 30949
Ion Ratio Lower Upper
168 100
99 50.9 46.9 70.3



#3
Chloromethane
Concen: 1.161 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Tgt Ion: 50 Resp: 322
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

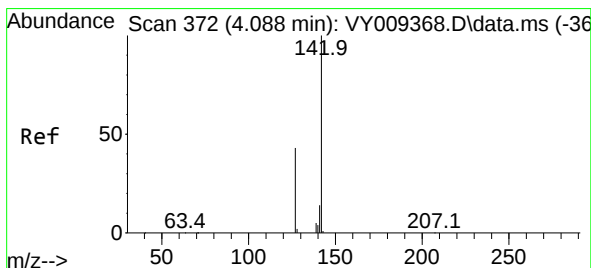
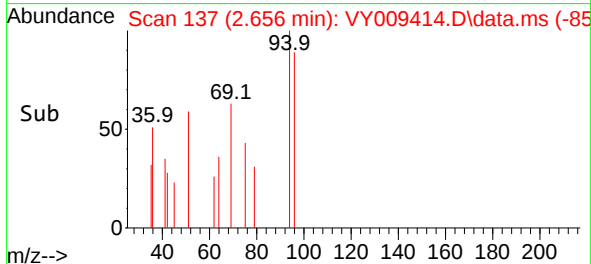
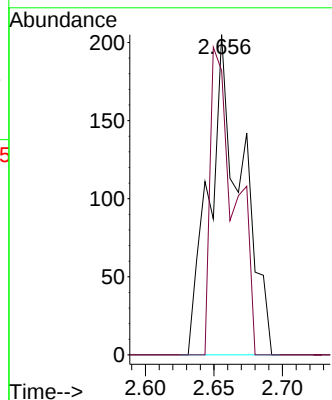
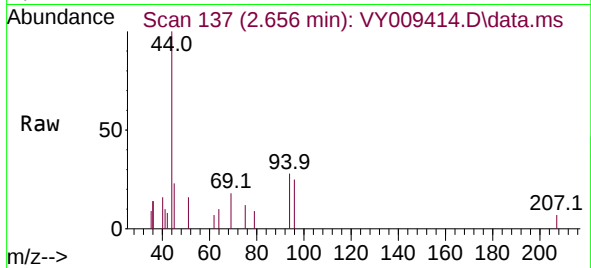




#5
Bromomethane
Concen: 1.647 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

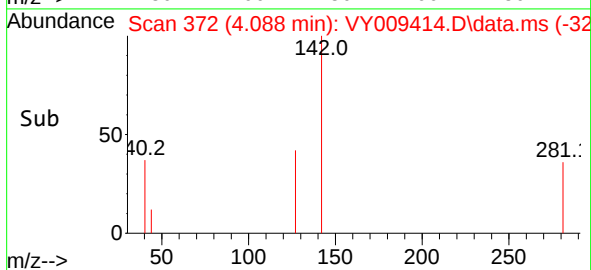
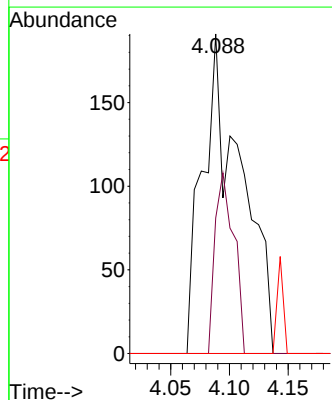
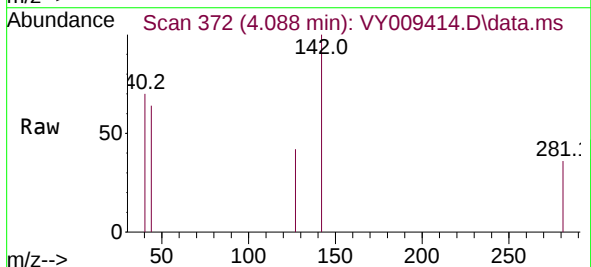
Instrument :
MSVOA_Y
ClientSampleId :
T-1RE

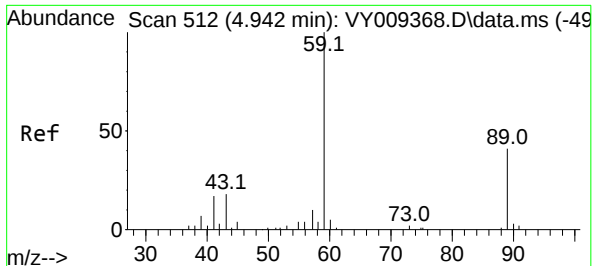
Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 88.8 73.5 110.3



#10
Methyl Iodide
Concen: 1.293 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Tgt Ion:142 Resp: 433
Ion Ratio Lower Upper
142 100
127 27.9 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY009414.D

Acq: 01 Jul 2022 11:57

Instrument :

MSVOA_Y

ClientSampleId :

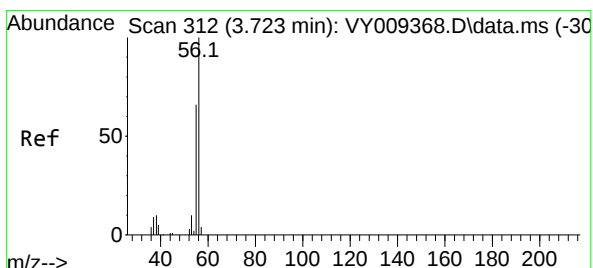
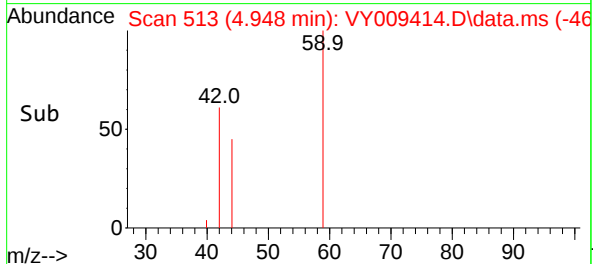
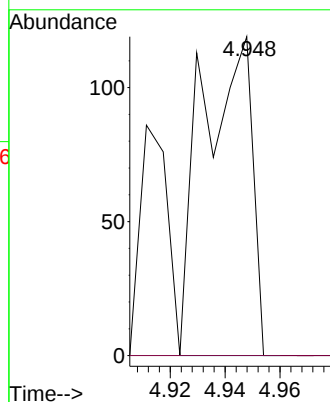
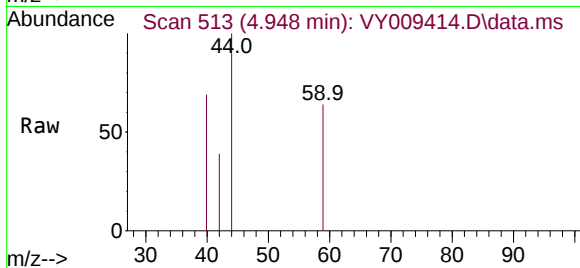
T-1RE

Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 1.257 ug/l

RT: 3.771 min Scan# 320

Delta R.T. 0.048 min

Lab File: VY009414.D

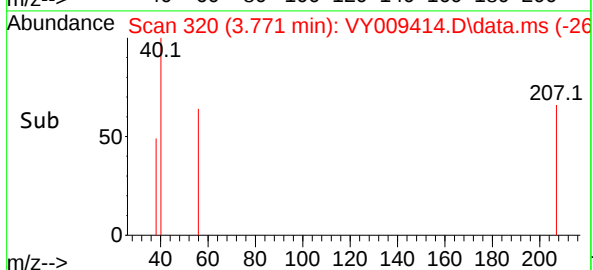
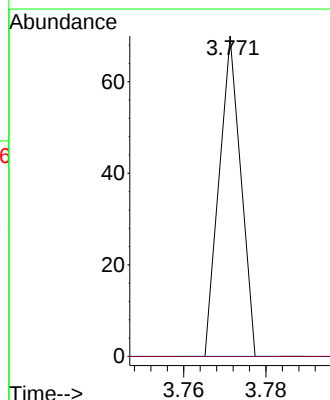
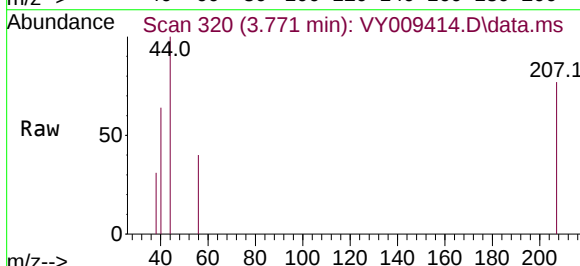
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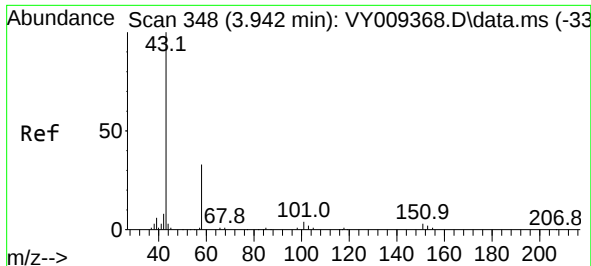
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

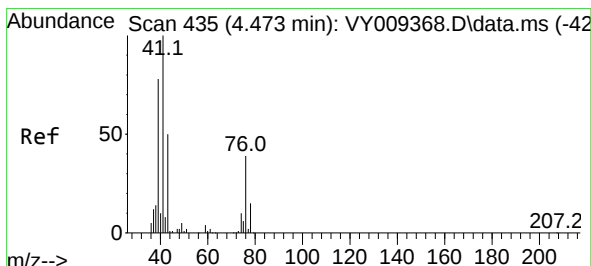
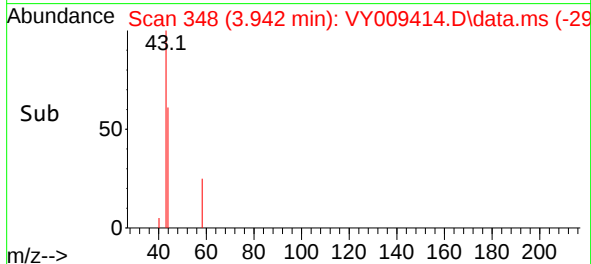
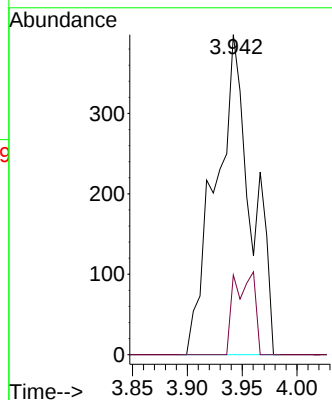
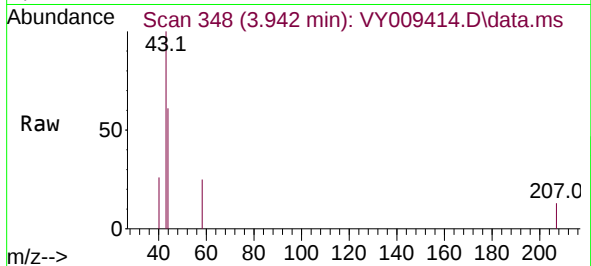




#16
Acetone
Concen: 10.994 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

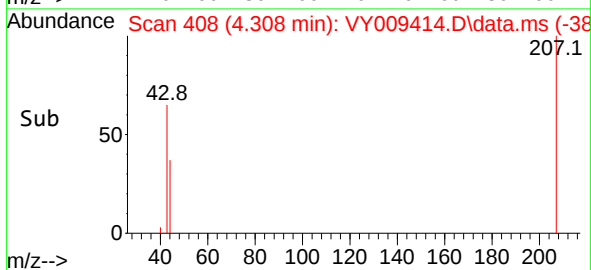
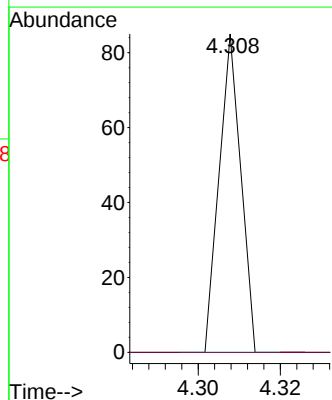
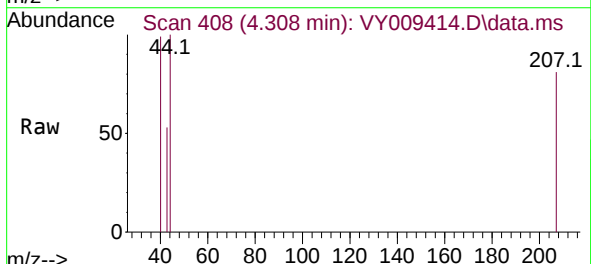
Instrument :
MSVOA_Y
ClientSampleId :
T-1RE

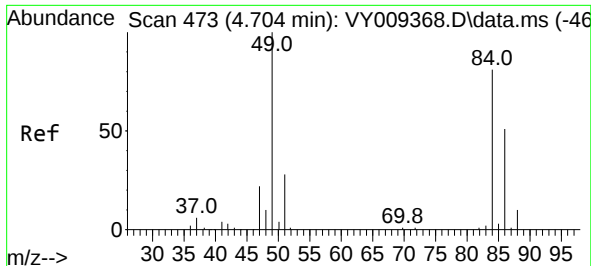
Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
58 24.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.308 min Scan# 408
Delta R.T. -0.165 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Tgt Ion: 43 Resp: 31
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: VY009414.D

Acq: 01 Jul 2022 11:57

Instrument :

MSVOA_Y

ClientSampleId :

T-1RE

Tgt Ion: 84 Resp: 1038

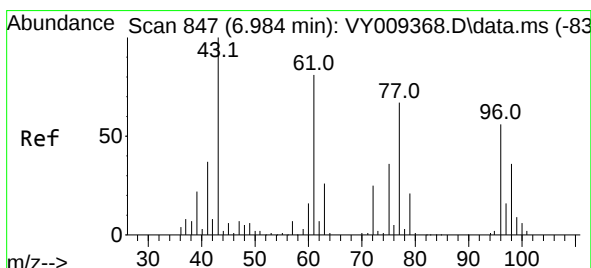
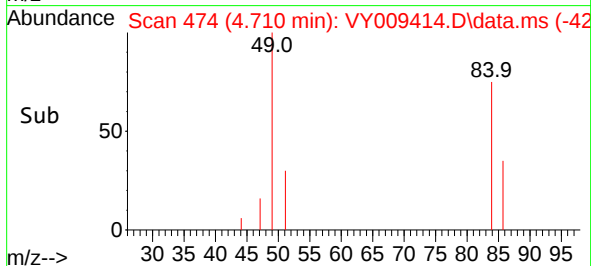
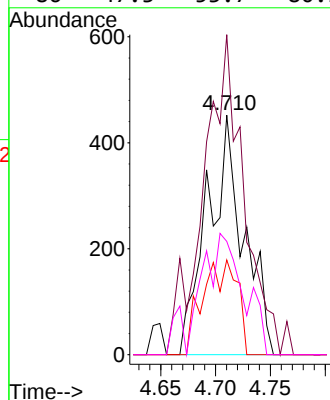
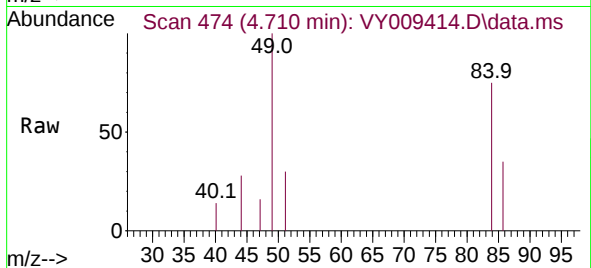
Ion Ratio Lower Upper

84 100

49 133.6 114.4 171.6

51 39.6 35.3 52.9

86 47.3 53.7 80.5#



#25

2-Butanone

Concen: 2.379 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY009414.D

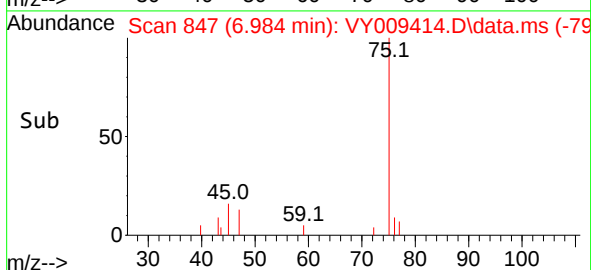
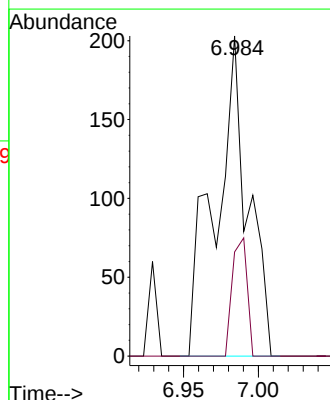
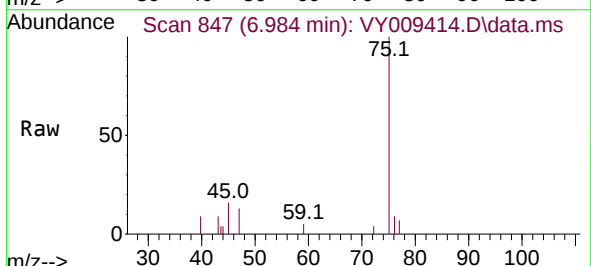
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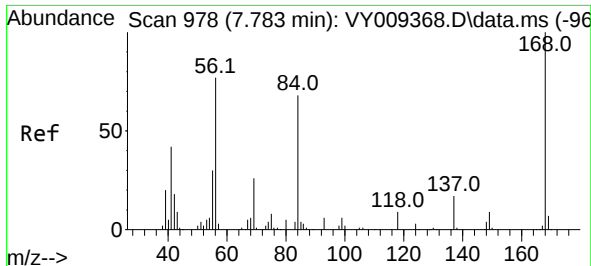
Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

72 32.5 17.7 26.5#

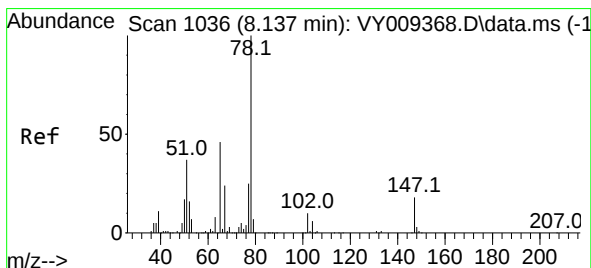
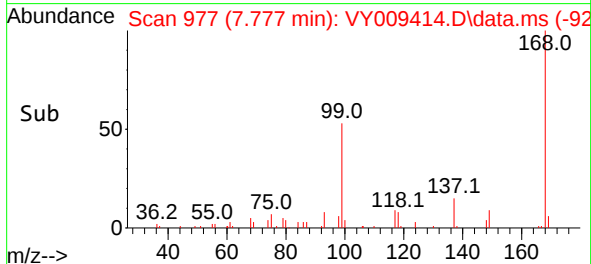
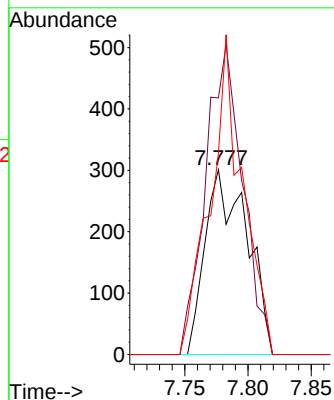
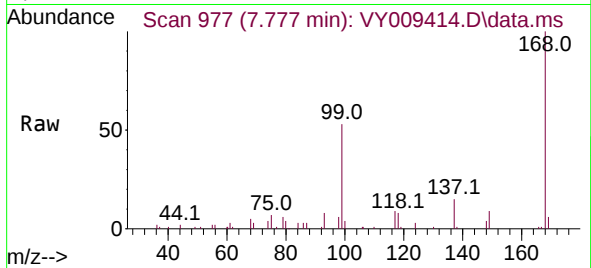




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

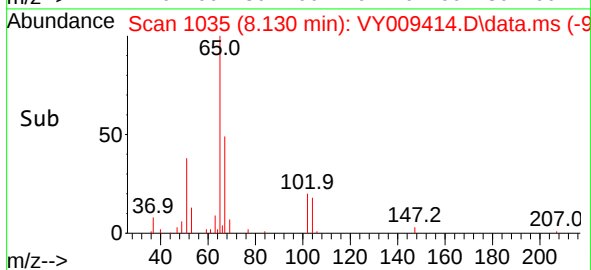
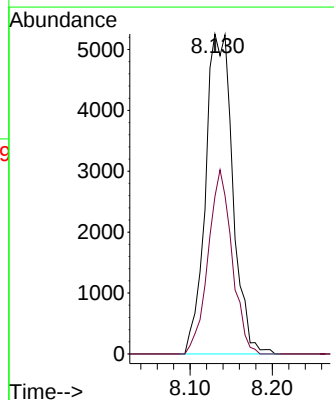
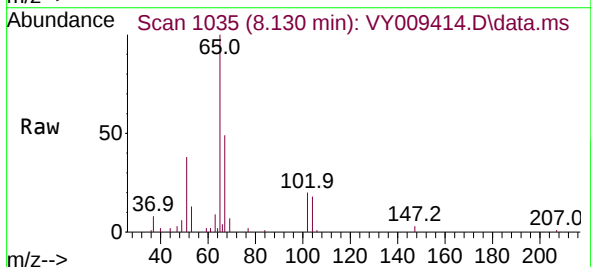
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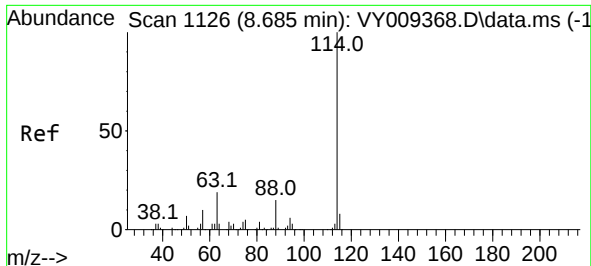
Tgt Ion: 56 Resp: 696
Ion Ratio Lower Upper
56 100
69 138.9 26.7 40.1#
84 108.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.909 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Tgt Ion: 65 Resp: 12124
Ion Ratio Lower Upper
65 100
67 50.3 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: VY009414.D

Acq: 01 Jul 2022 11:57

Instrument :

MSVOA_Y

ClientSampleId :

T-1RE

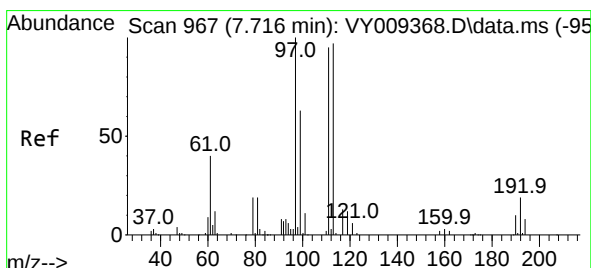
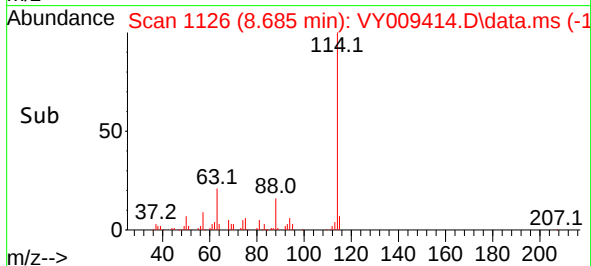
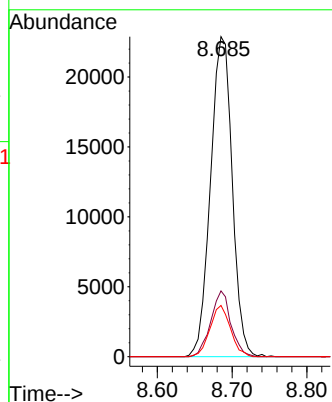
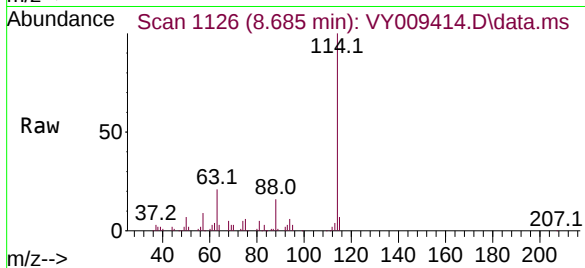
Tgt Ion:114 Resp: 46197

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.783 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009414.D

Acq: 01 Jul 2022 11:57

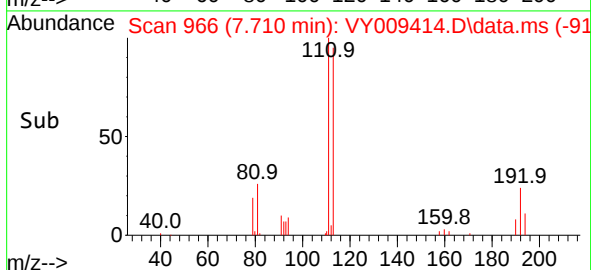
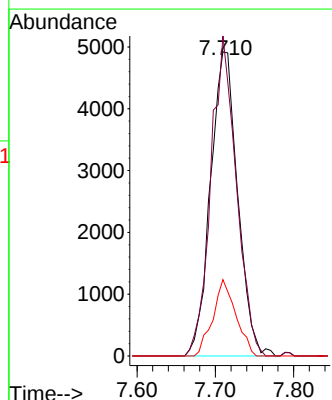
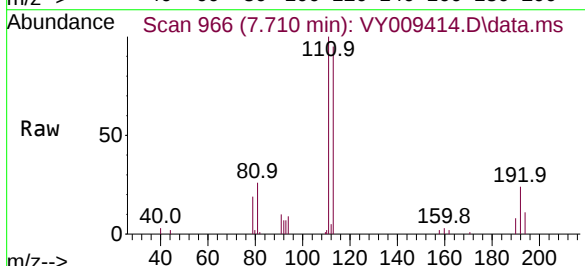
Tgt Ion:113 Resp: 11895

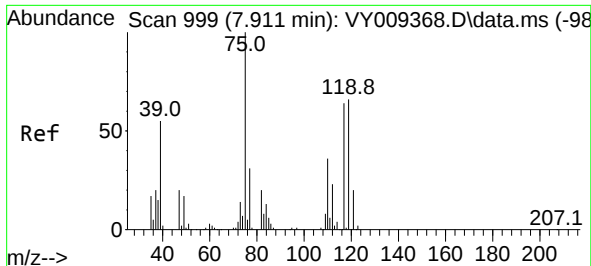
Ion Ratio Lower Upper

113 100

111 98.3 82.6 124.0

192 21.2 17.6 26.4

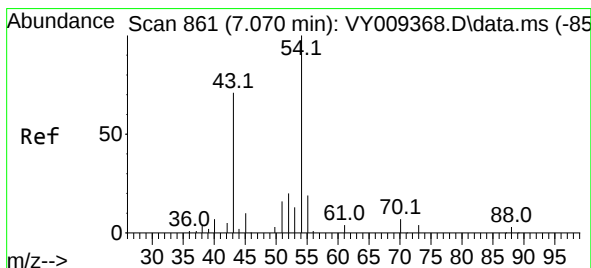
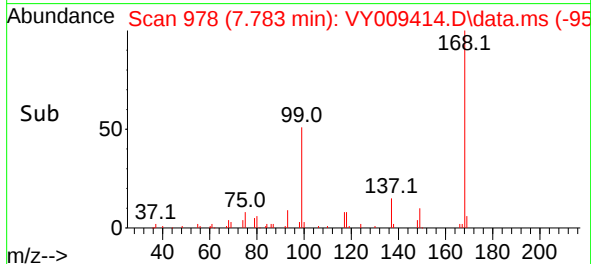
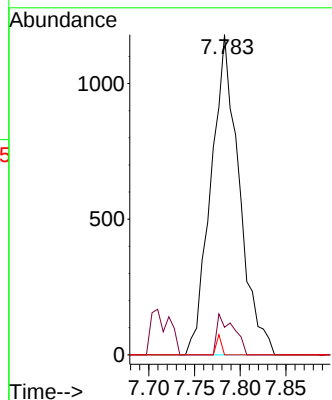
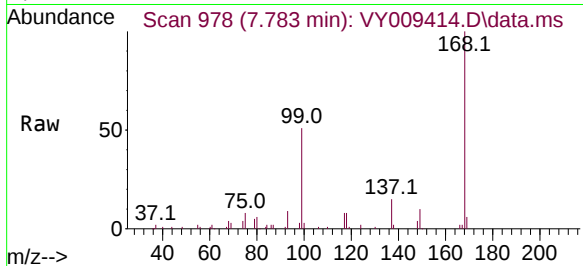




#36
 1,1-Dichloropropene
 Concen: 5.680 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

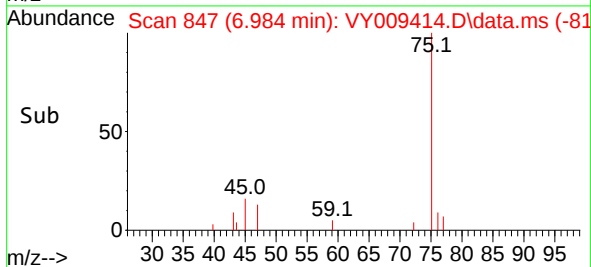
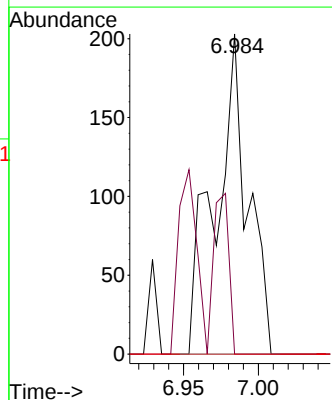
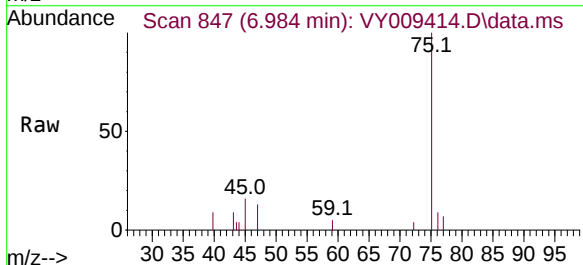
Instrument :
 MSVOA_Y
 ClientSampleId :
 T-1RE

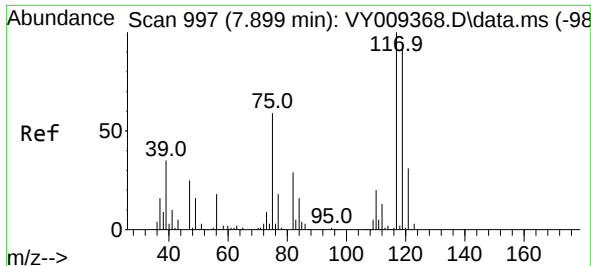
Tgt Ion: 75 Resp: 2525
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.1 51.2#
 77 1.1 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.164 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.086 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

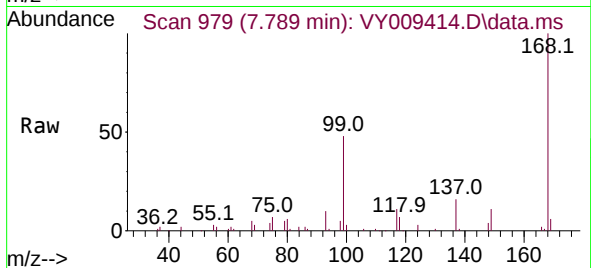
Tgt Ion: 43 Resp: 307
 Ion Ratio Lower Upper
 43 100
 61 23.5 9.7 14.5#
 70 0.0 7.1 10.7#



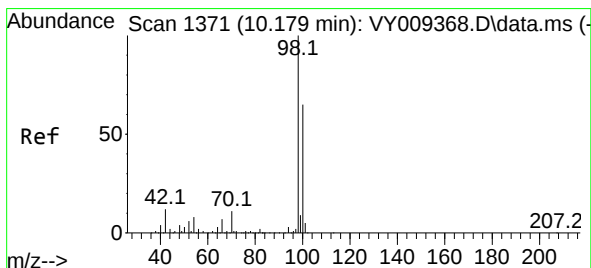
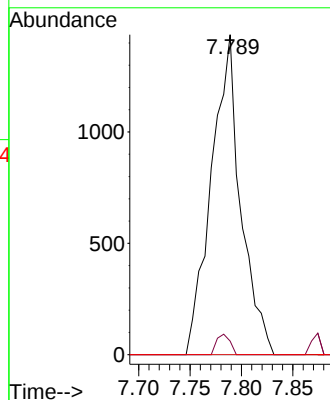
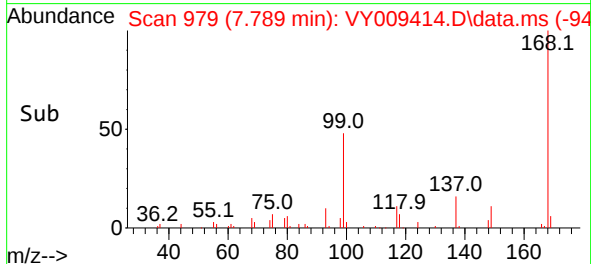


#38
Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

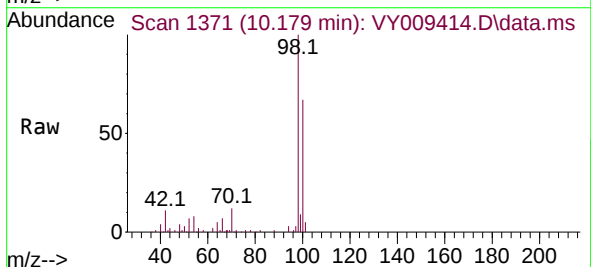
Instrument :
MSVOA_Y
ClientSampleId :
T-1RE



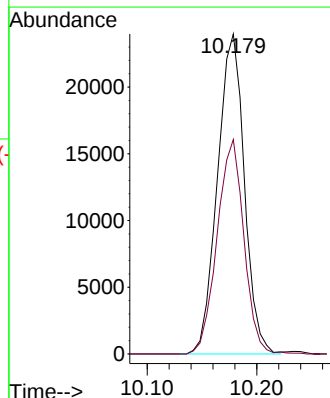
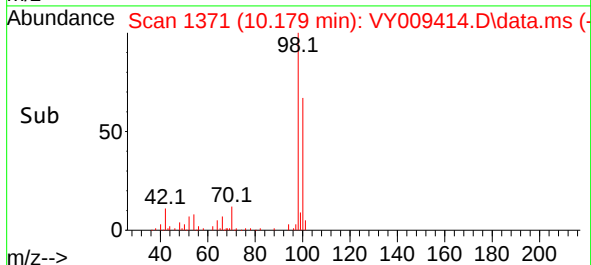
Tgt Ion:117 Resp: 2853
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#

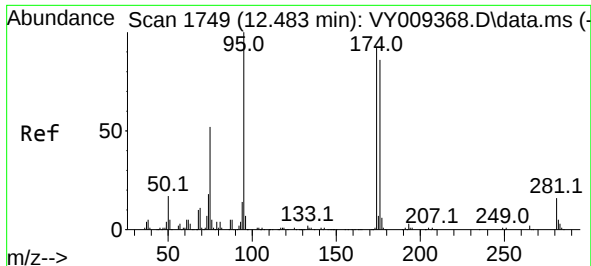


#50
Toluene-d8
Concen: 52.374 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57



Tgt Ion: 98 Resp: 40828
Ion Ratio Lower Upper
98 100
100 66.7 50.2 75.2

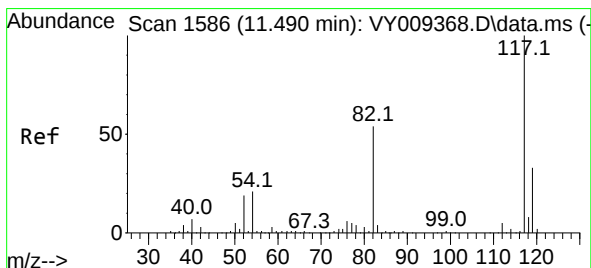
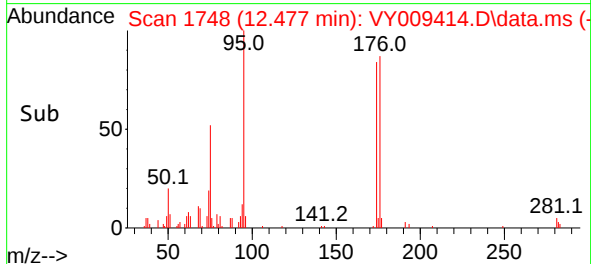
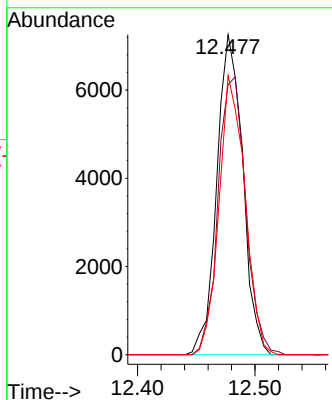
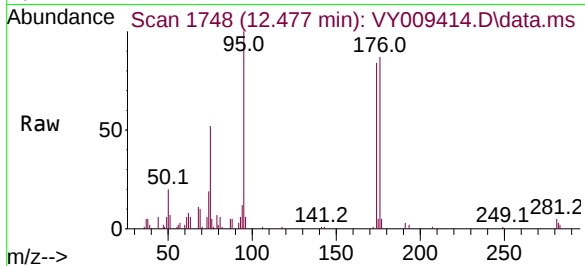




#62
4-Bromofluorobenzene
Concen: 30.131 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

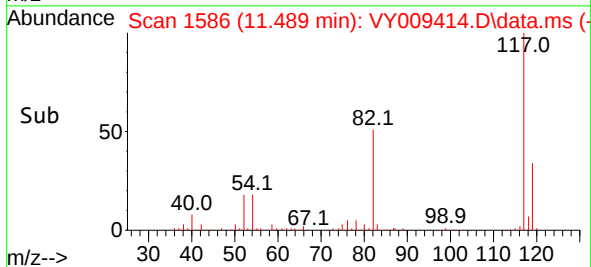
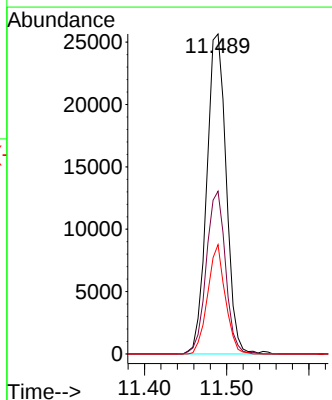
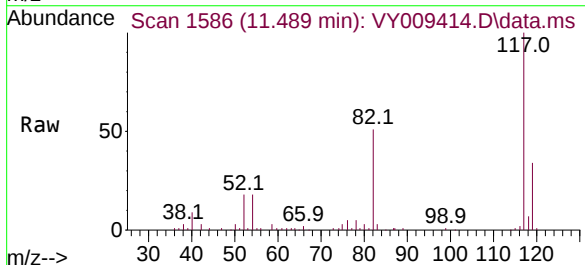
Instrument :
MSVOA_Y
ClientSampleId :
T-1RE

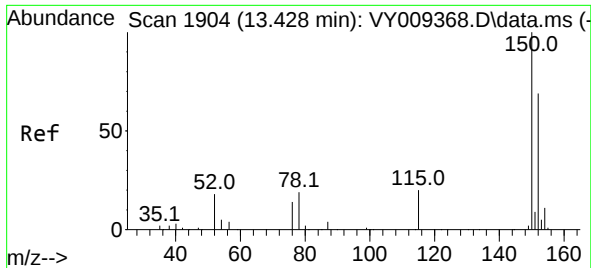
Tgt Ion: 95 Resp: 11140
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 87.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Tgt Ion: 117 Resp: 42217
Ion Ratio Lower Upper
117 100
82 50.8 43.0 64.4
119 34.2 25.4 38.0

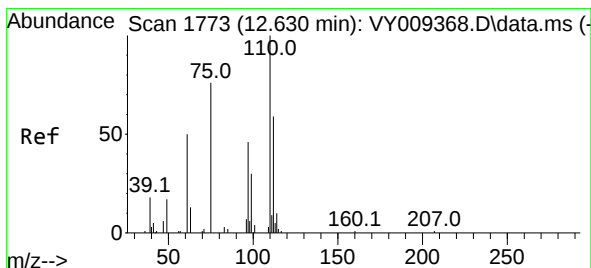
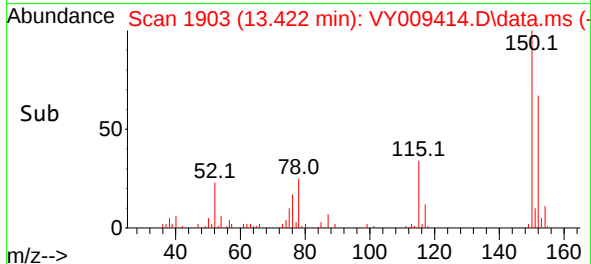
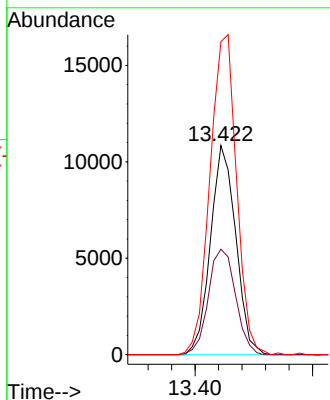
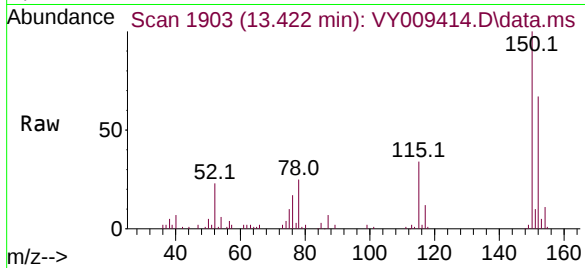




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

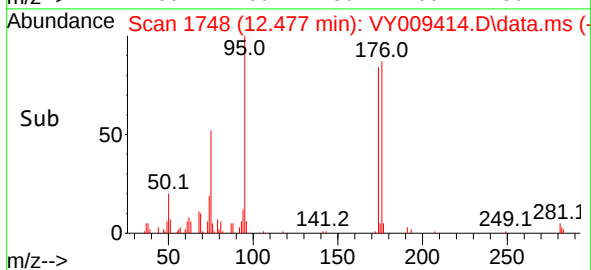
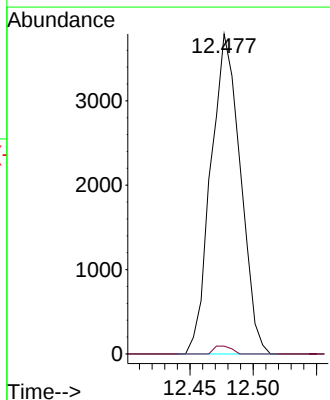
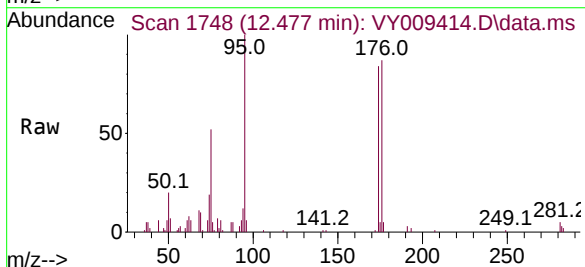
Instrument :
 MSVOA_Y
 ClientSampleId :
 T-1RE

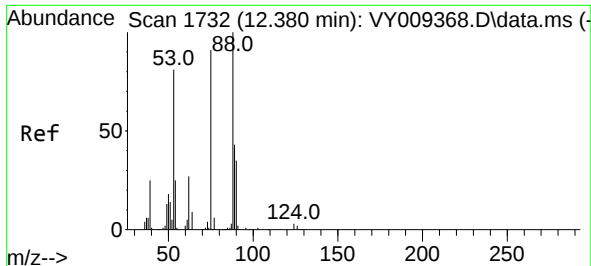
Tgt Ion:152 Resp: 16235
 Ion Ratio Lower Upper
 152 100
 115 54.3 28.2 84.7
 150 160.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 32.368 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

Tgt Ion: 75 Resp: 6154
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

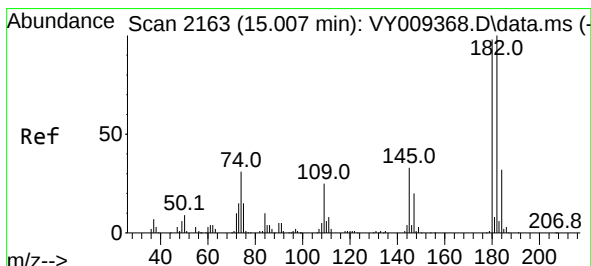
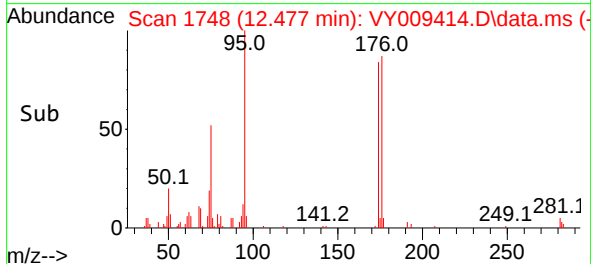
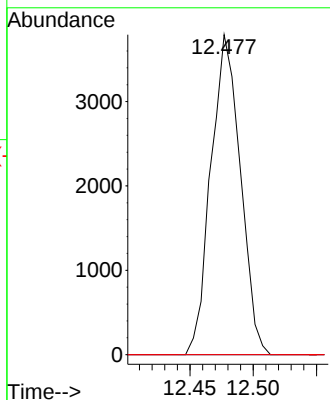
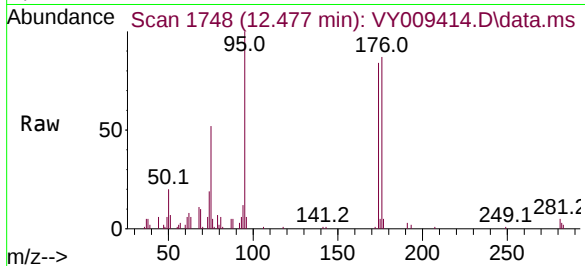




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.067 ug/l
 RT: 12.477 min Scan# 1732
 Delta R.T. 0.103 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

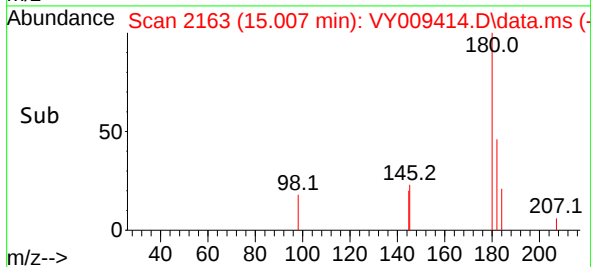
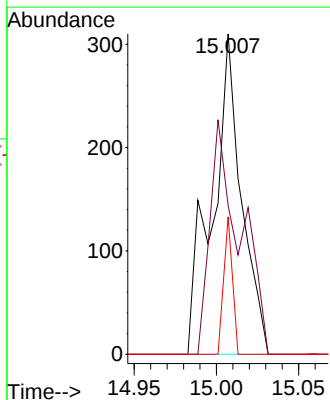
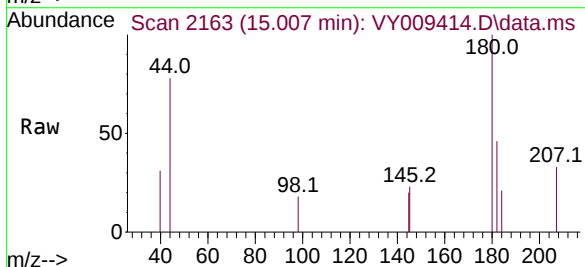
Instrument :
 MSVOA_Y
 ClientSampleId :
 T-1RE

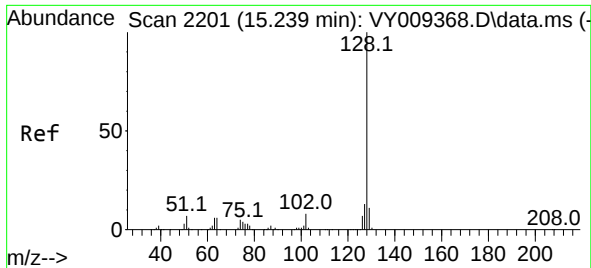
Tgt Ion: 75 Resp: 6154
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.256 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.000 min
 Lab File: VY009414.D
 Acq: 01 Jul 2022 11:57

Tgt Ion: 180 Resp: 382
 Ion Ratio Lower Upper
 180 100
 182 75.7 47.3 141.9
 145 12.8 14.6 43.8#





#95
Naphthalene
Concen: 1.334 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY009414.D
Acq: 01 Jul 2022 11:57

Instrument :
MSVOA_Y
ClientSampleId :
T-1RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	14.0	8.4	12.6#

