

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013493.D
 Acq On : 27 Apr 2023 15:43
 Operator : KP/MD
 Sample : 02484-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRCA-1RE

Quant Time: Apr 27 16:14:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

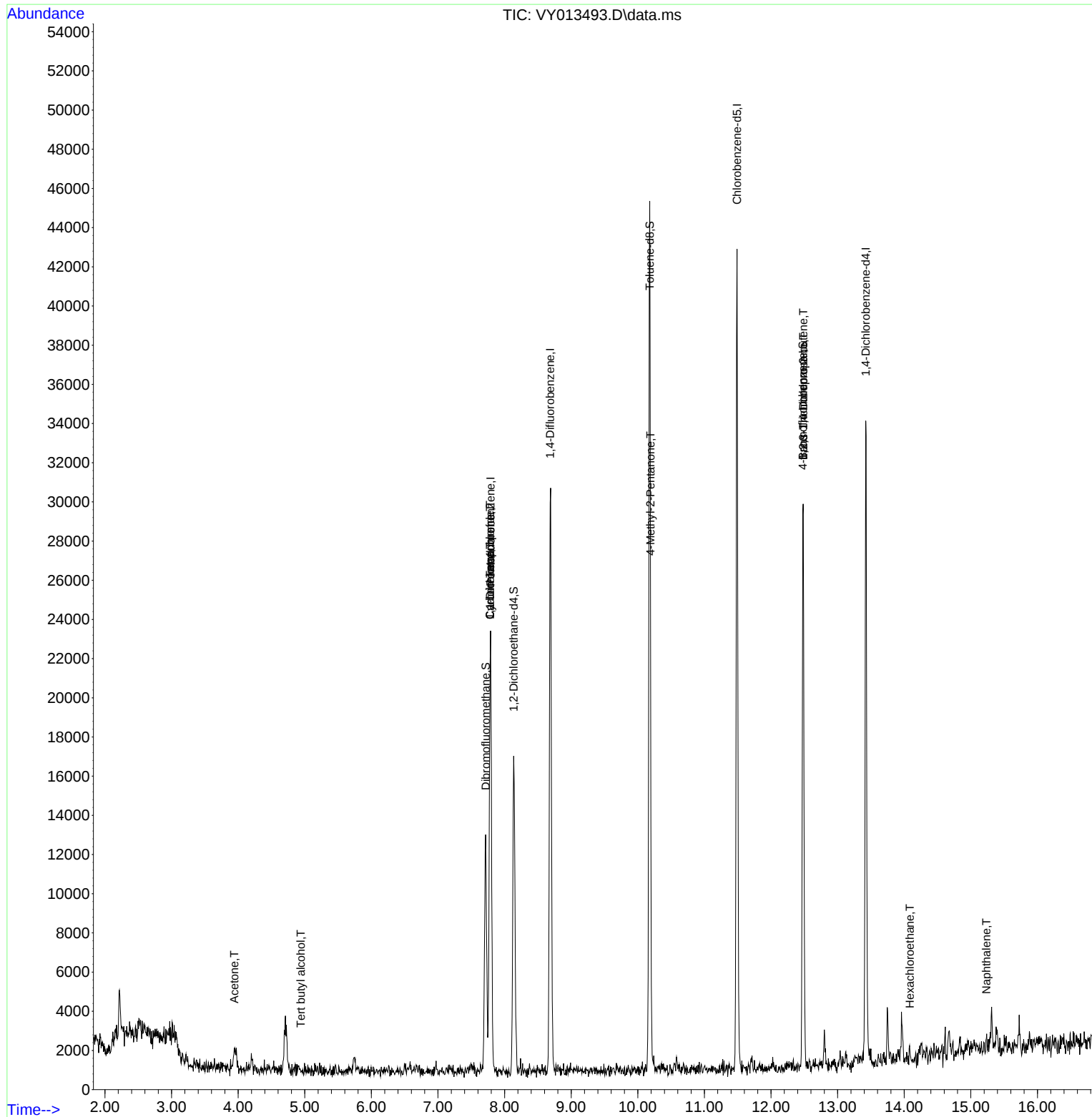
Internal Standards						
1) Pentafluorobenzene	7.789	168	17640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12902	66.721	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.440%			
35) Dibromofluoromethane	7.715	113	8226	52.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.280%			
50) Toluene-d8	10.178	98	29899	53.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.560%			
62) 4-Bromofluorobenzene	12.477	95	8207	43.791	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.580%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.941	59	47	2.802	ug/l #	89
13) Acrolein	3.515	56	53	Below Cal	#	16
16) Acetone	3.942	43	2095	27.511	ug/l	90
20) Methylene Chloride	4.704	84	1038	Below Cal	#	89
31) Cyclohexane	7.782	56	436	1.259	ug/l #	27
36) 1,1-Dichloropropene	7.782	75	1635	6.304	ug/l #	43
38) Carbon Tetrachloride	7.782	117	1926	7.085	ug/l #	18
51) 4-Methyl-2-Pentanone	10.191	43	244	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	4000	35.113	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4000	71.826	ug/l #	13
90) Hexachloroethane	14.086	117	197	1.717	ug/l #	8
95) Naphthalene	15.232	128	423	1.228	ug/l #	69

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

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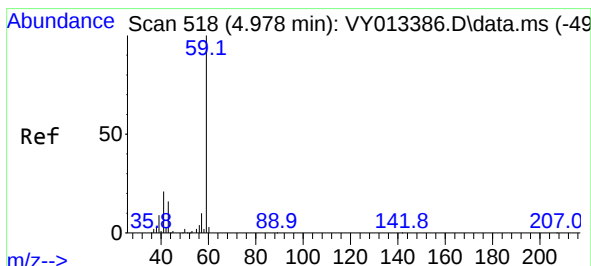
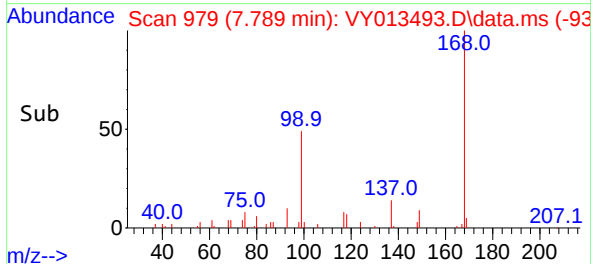
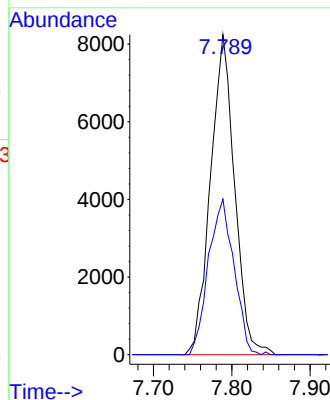
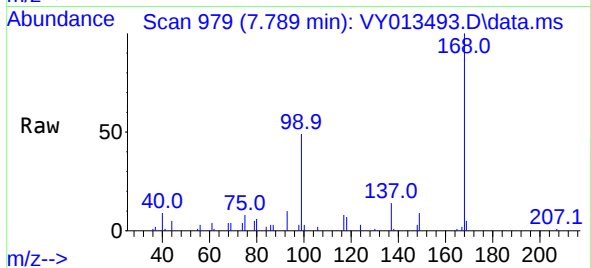




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

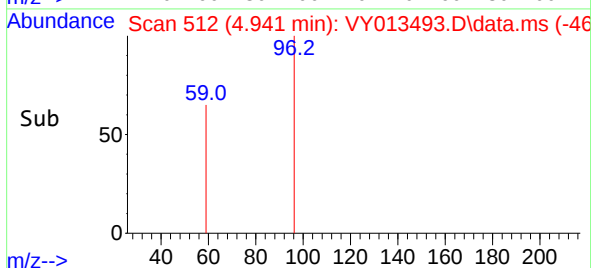
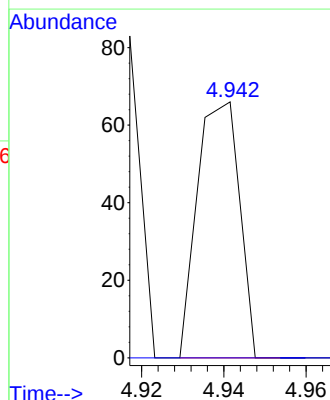
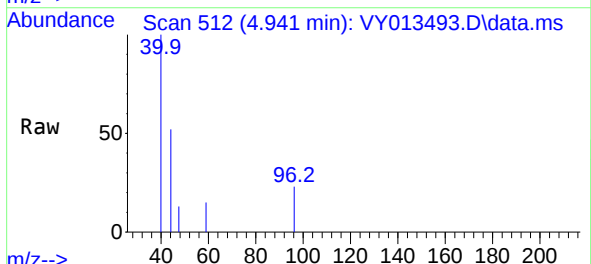
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

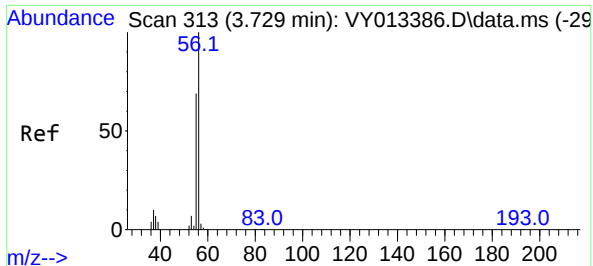
Tgt Ion:168 Resp: 17640
Ion Ratio Lower Upper
168 100
99 48.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.802 ug/l
RT: 4.941 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 59 Resp: 47
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

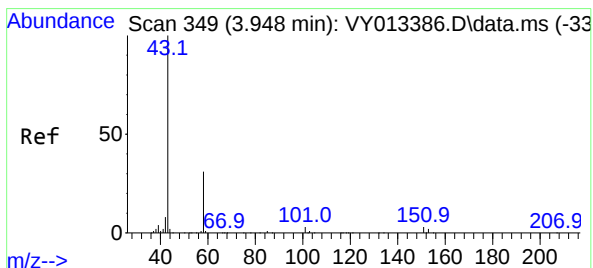
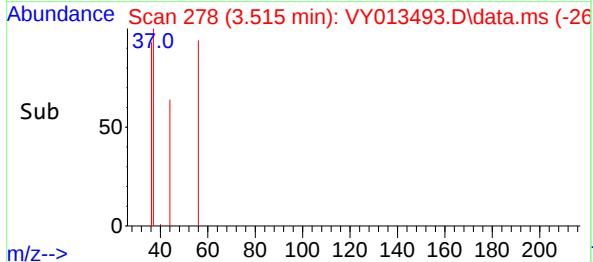
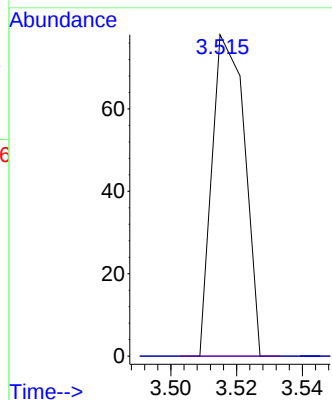
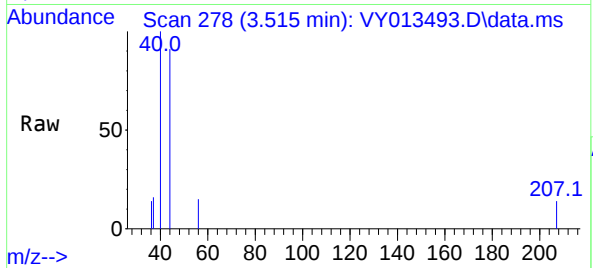




#13
Acrolein
Concen: Below Cal
RT: 3.515 min Scan# 21
Delta R.T. -0.214 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

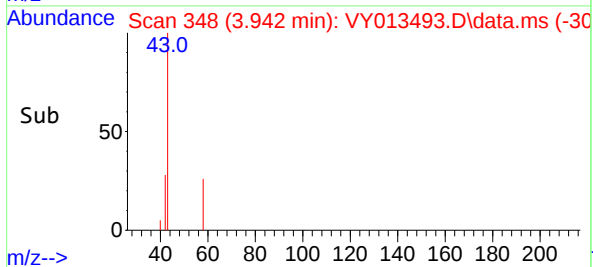
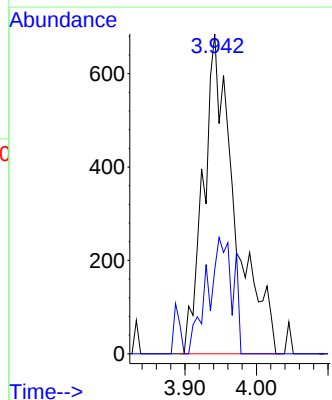
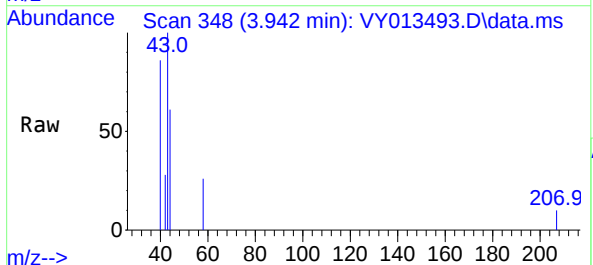
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

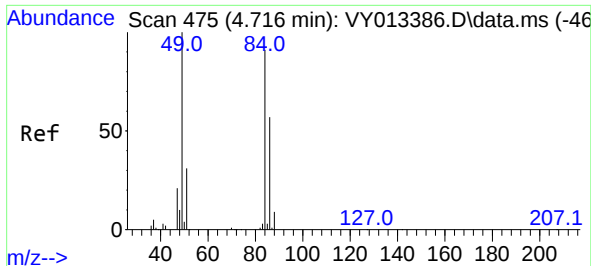
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 27.511 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 26.4 25.4 38.0



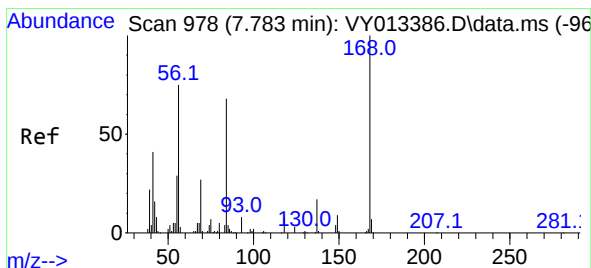
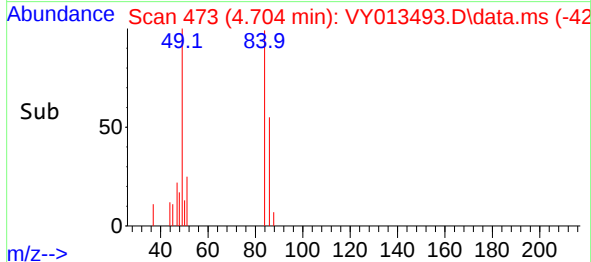
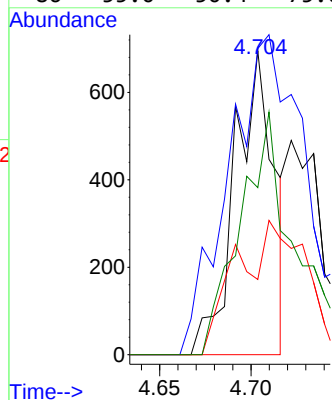
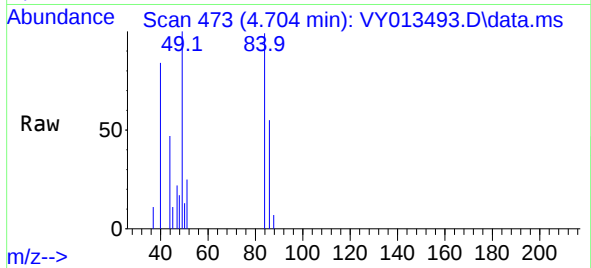


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

Tgt Ion: 84 Resp: 1038

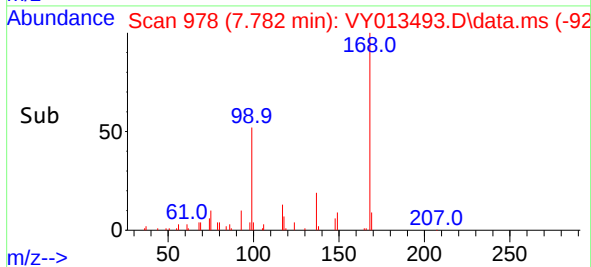
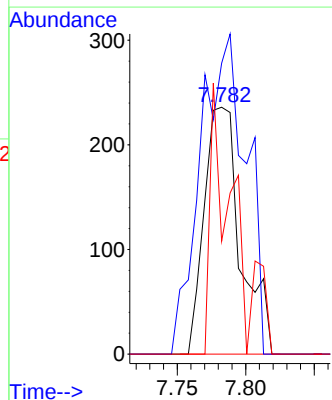
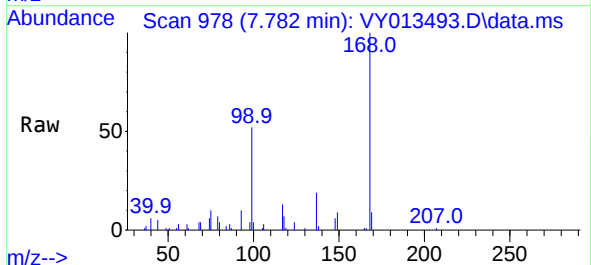
Ion	Ratio	Lower	Upper
84	100		
49	100.7	88.0	132.0
51	24.7	27.4	41.0#
86	55.0	50.4	75.6

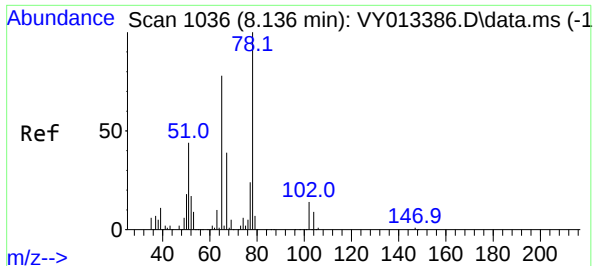


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.001 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 56 Resp: 436

Ion	Ratio	Lower	Upper
56	100		
69	117.8	29.2	43.8#
84	45.8	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 66.721 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY013493.D

Acq: 27 Apr 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

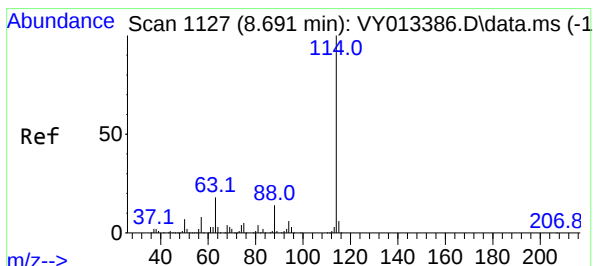
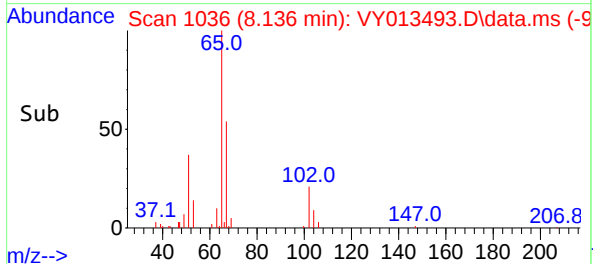
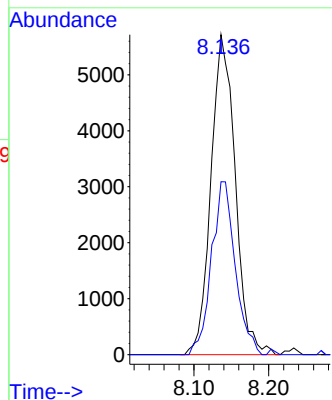
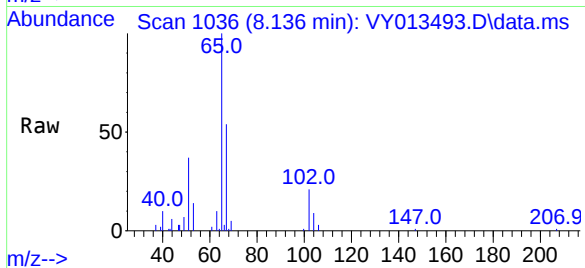
CRCA-1RE

Tgt Ion: 65 Resp: 12902

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013493.D

Acq: 27 Apr 2023 15:43

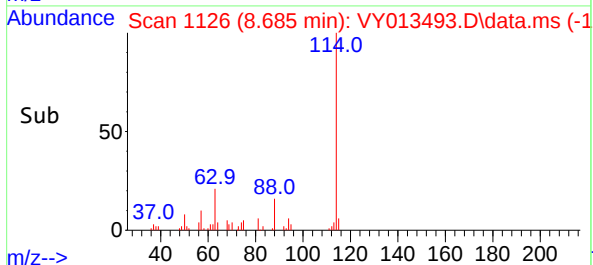
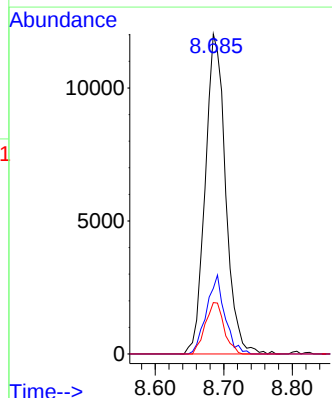
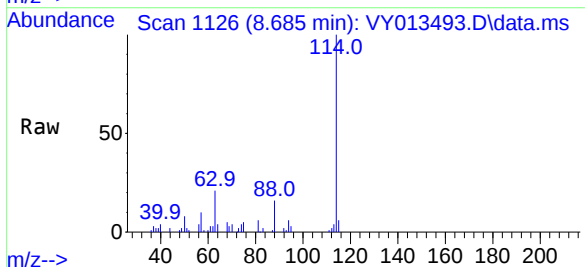
Tgt Ion: 114 Resp: 24846

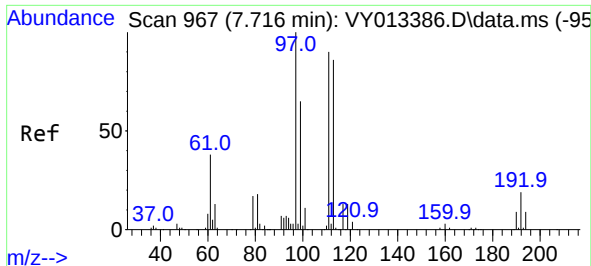
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 16.0 0.0 28.8

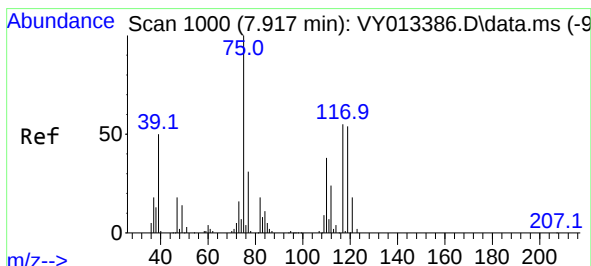
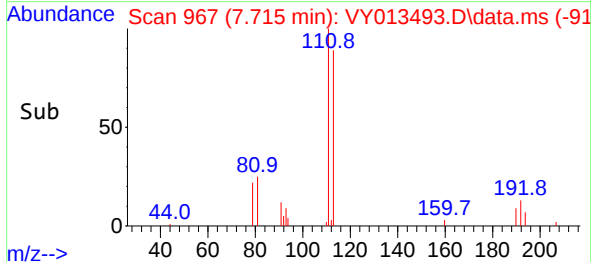
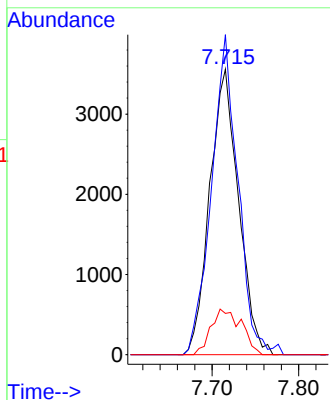
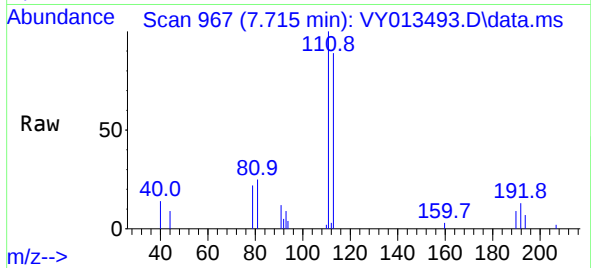




#35
Dibromofluoromethane
Concen: 52.640 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

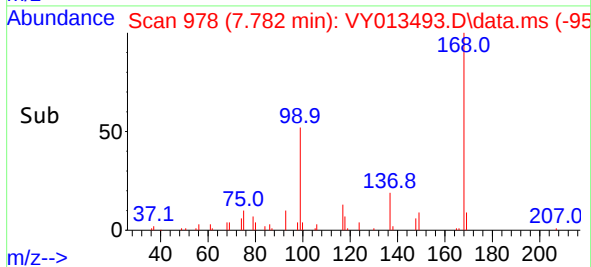
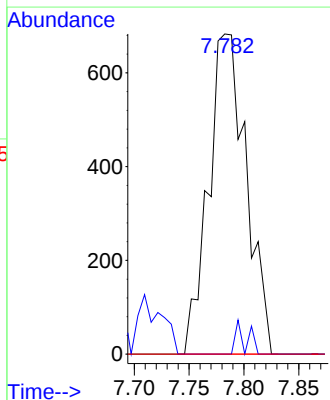
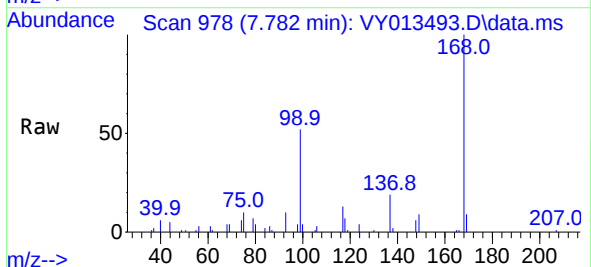
Instrument :
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ClientSampleId :
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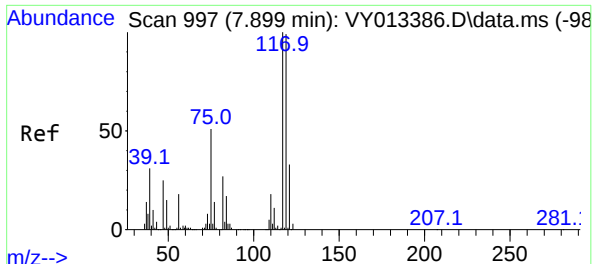
Tgt Ion:113 Resp: 8226
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 16.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 6.304 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 75 Resp: 1635
Ion Ratio Lower Upper
75 100
110 3.0 18.7 56.1#
77 0.0 24.6 37.0#

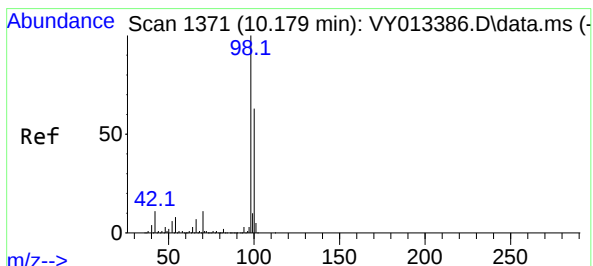
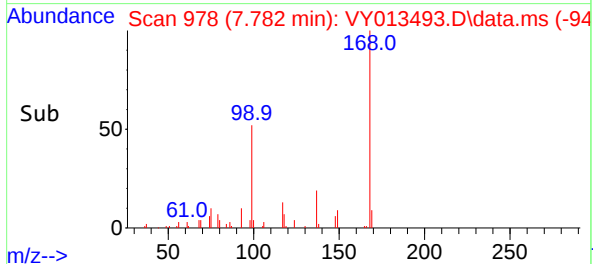
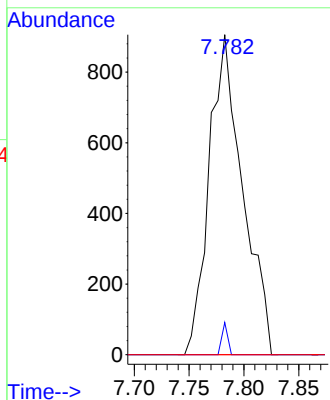
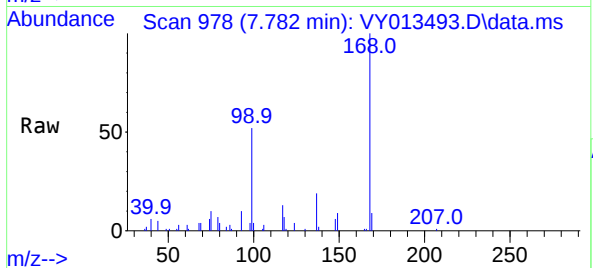




#38
Carbon Tetrachloride
Concen: 7.085 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

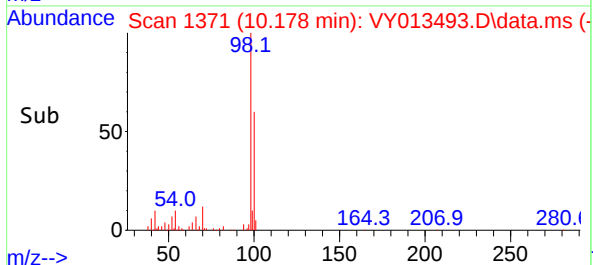
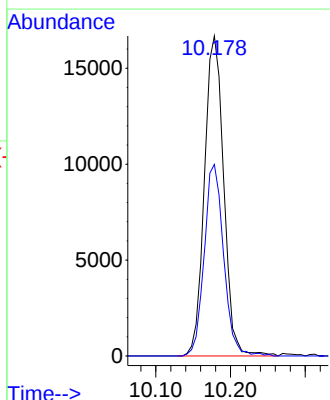
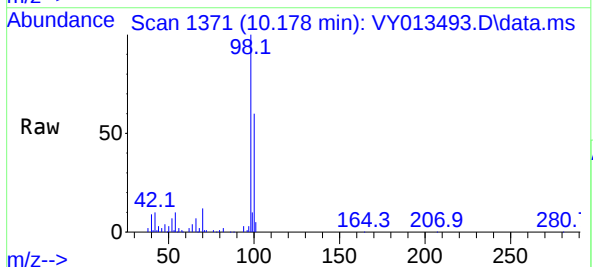
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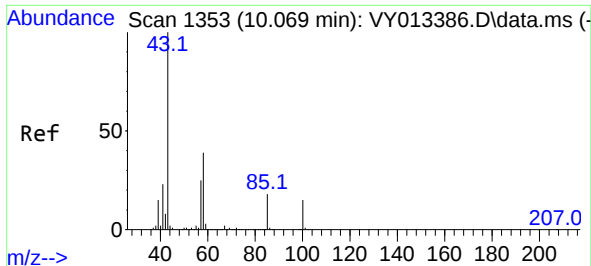
Tgt Ion:117 Resp: 1926
Ion Ratio Lower Upper
117 100
119 10.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.783 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 98 Resp: 29899
Ion Ratio Lower Upper
98 100
100 60.2 50.5 75.7

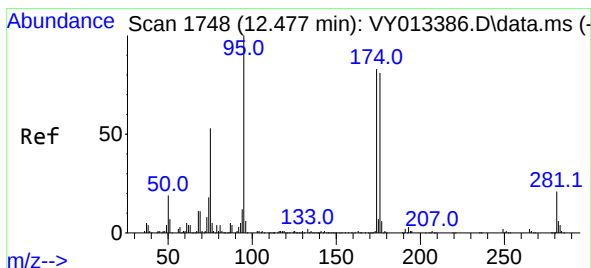
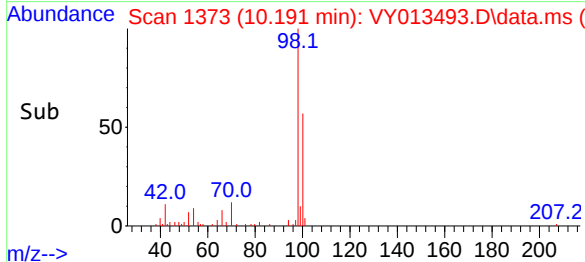
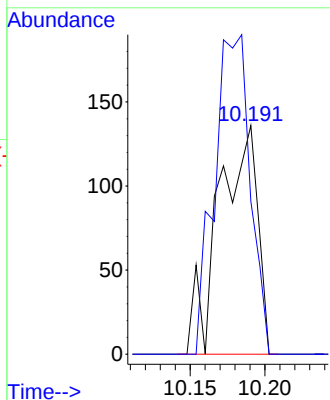
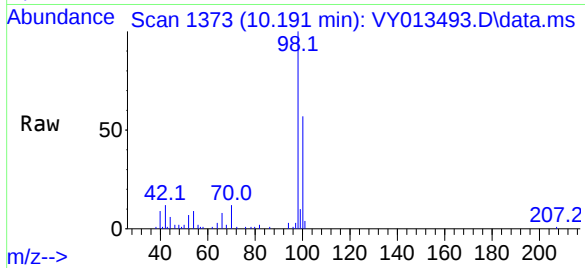




#51
4-Methyl-2-Pentanone
Concen: 1.329 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.122 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

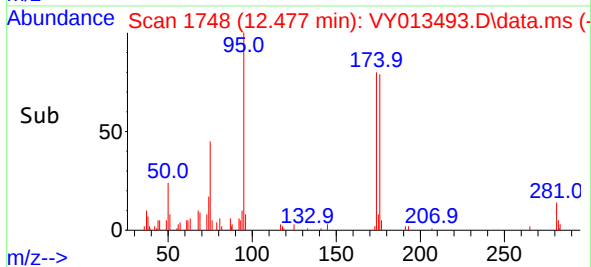
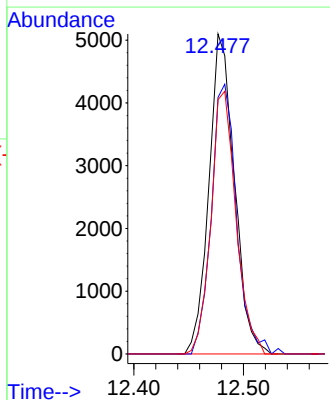
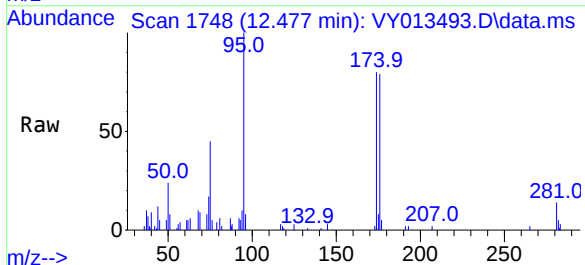
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

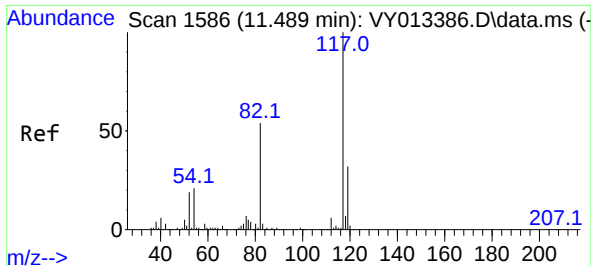
Tgt Ion: 43 Resp: 244
Ion Ratio Lower Upper
43 100
58 129.9 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 43.791 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 95 Resp: 8207
Ion Ratio Lower Upper
95 100
174 84.2 0.0 182.0
176 80.9 0.0 175.4

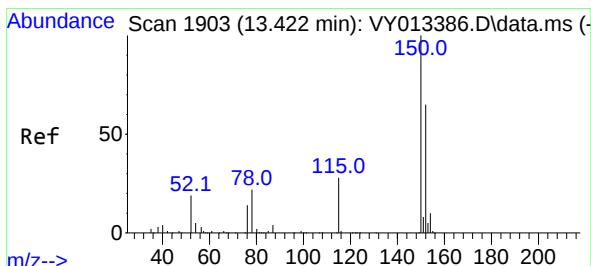
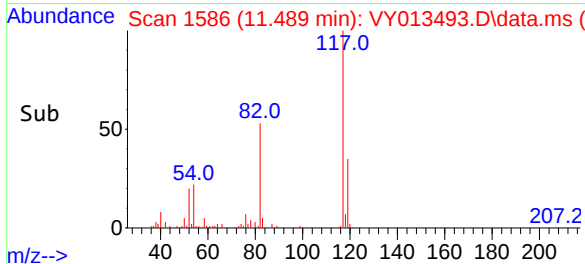
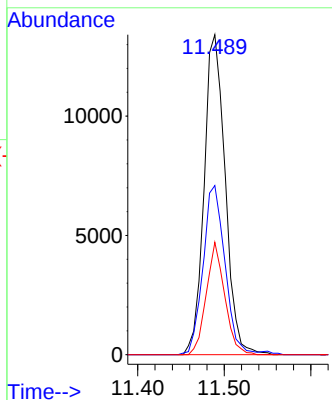
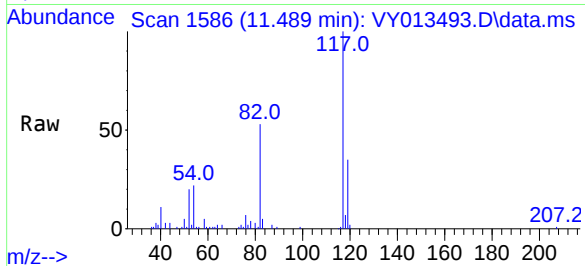




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

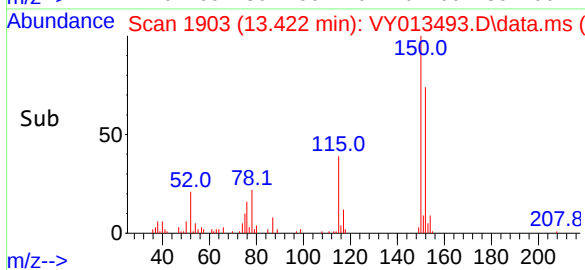
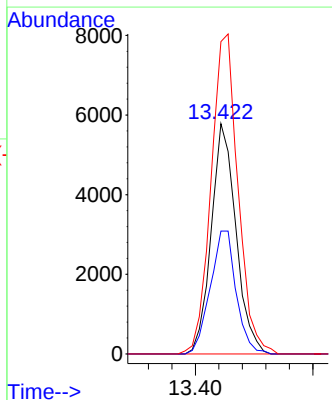
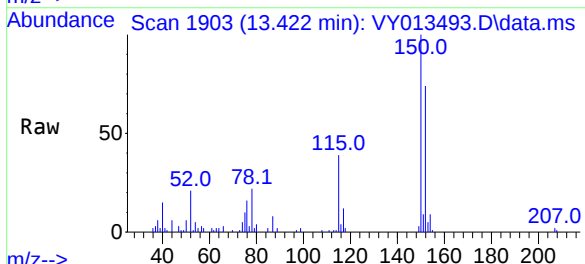
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

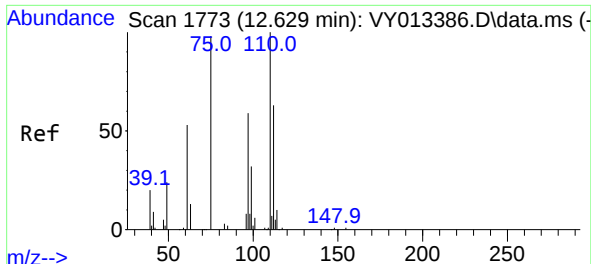
Tgt Ion:	117	Resp:	22714
Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.0	64.6
119	35.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion:	152	Resp:	8447
Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	151.0	0.0	352.0

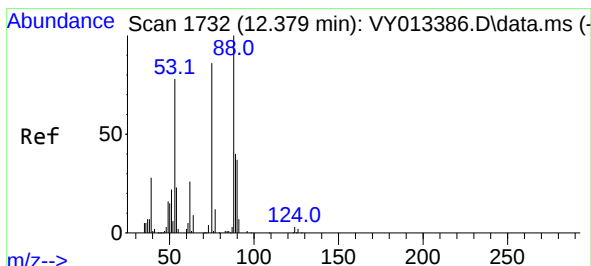
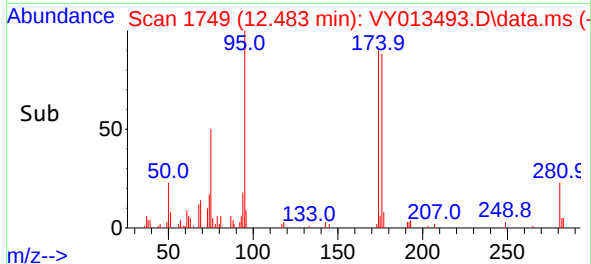
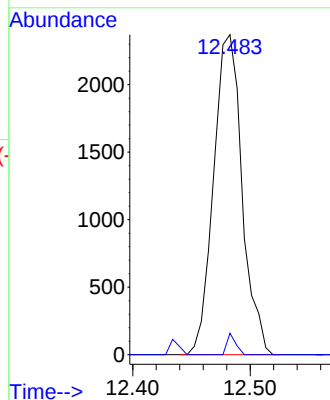
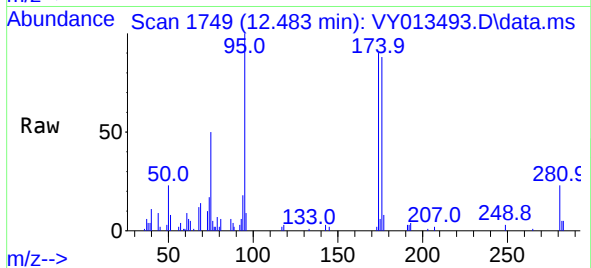




#76
1,2,3-Trichloropropane
Concen: 35.113 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

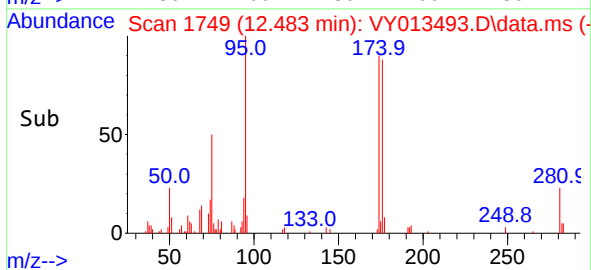
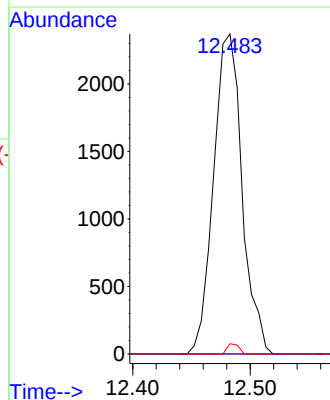
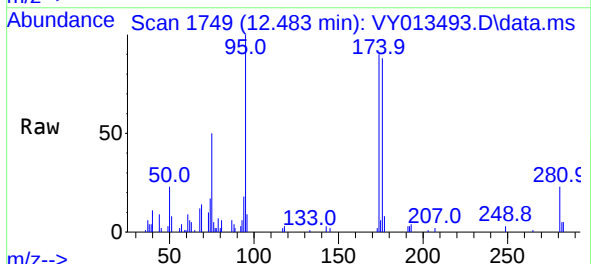
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

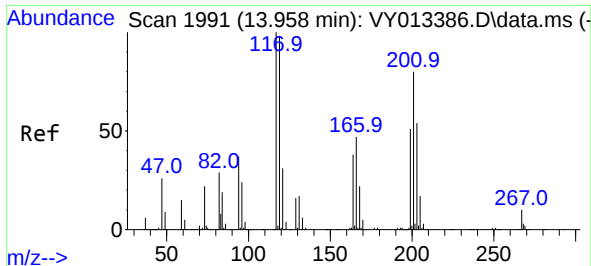
Tgt Ion: 75 Resp: 4000
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.826 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion: 75 Resp: 4000
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 1.3 38.0 57.0#

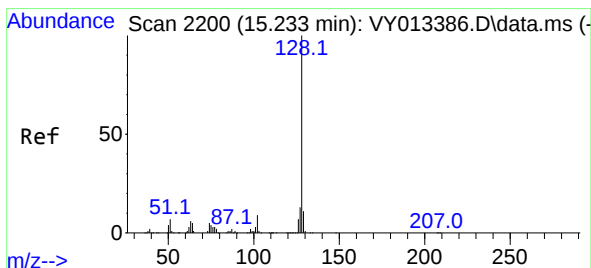
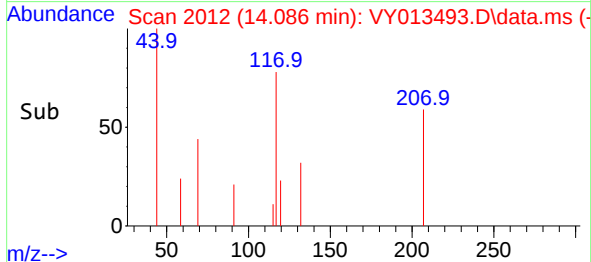
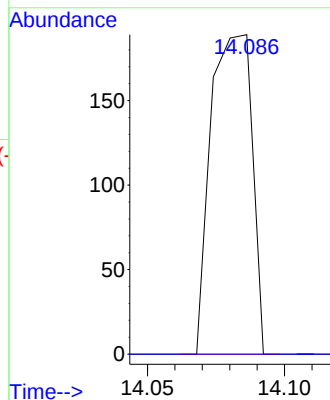
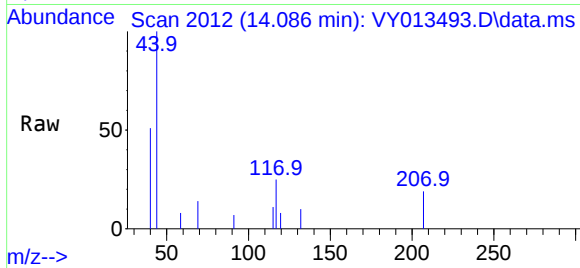




#90
Hexachloroethane
Concen: 1.717 ug/l
RT: 14.086 min Scan# 2012
Delta R.T. 0.128 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1RE

Tgt Ion:117 Resp: 197
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#95
Naphthalene
Concen: 1.228 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY013493.D
Acq: 27 Apr 2023 15:43

Tgt Ion:128 Resp: 423
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.8 13.2#

