

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014385.D
 Acq On : 22 Jun 2023 17:36
 Operator : KP/MD
 Sample : 03256-26RE
 Misc : 6.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-3-4-10ERE

Quant Time: Jun 23 05:00:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

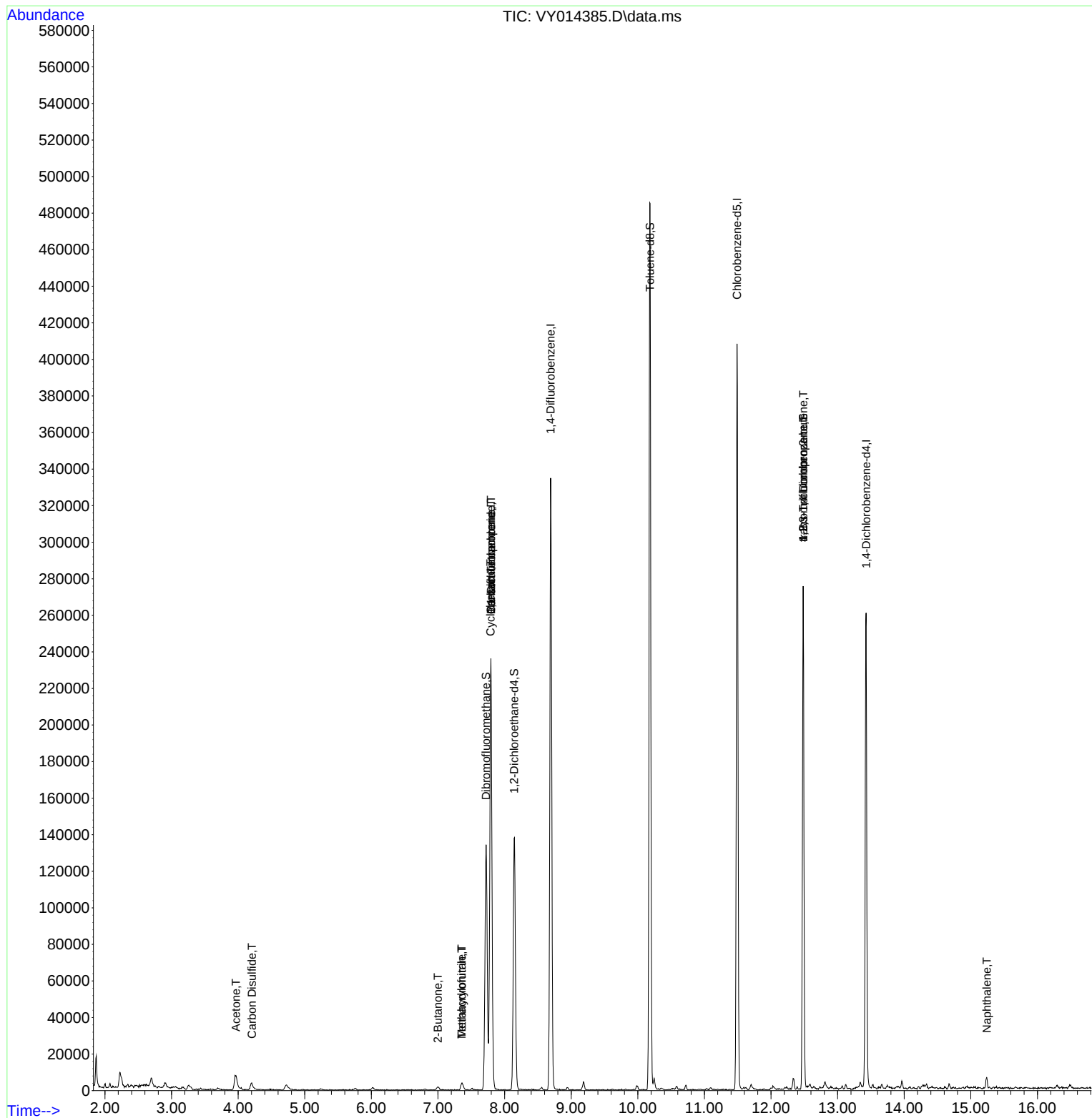
Internal Standards						
1) Pentafluorobenzene	7.795	168	180881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119457	47.426	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.860%
35) Dibromofluoromethane	7.722	113	90055	45.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.580%
50) Toluene-d8	10.185	98	325769	44.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.483	95	74441	28.501	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	395	Below Cal	#	89
16) Acetone	3.966	43	16361	21.549	ug/l	97
17) Carbon Disulfide	4.204	76	6979	1.043	ug/l #	95
20) Methylene Chloride	4.716	84	960	Below Cal		88
25) 2-Butanone	6.996	43	2044	2.187	ug/l	99
29) Tetrahydrofuran	7.356	42	3084	5.204	ug/l	94
31) Cyclohexane	7.789	56	4665	1.383	ug/l #	55
36) 1,1-Dichloropropene	7.795	75	12901	4.208	ug/l #	52
38) Carbon Tetrachloride	7.795	117	17680	4.997	ug/l #	17
41) Methacrylonitrile	7.356	41	1831	1.696	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	42798	47.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42798	101.965	ug/l #	11
95) Naphthalene	15.239	128	5406	1.768	ug/l	100

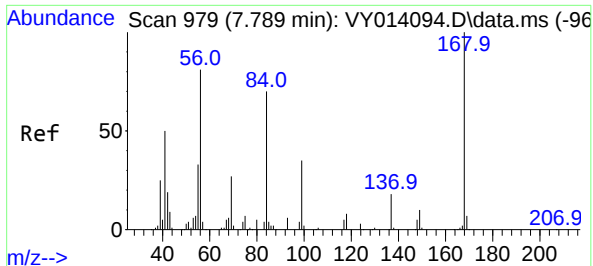
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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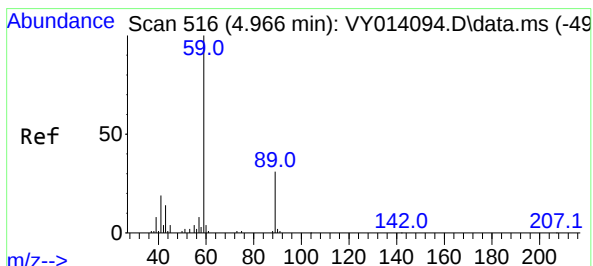
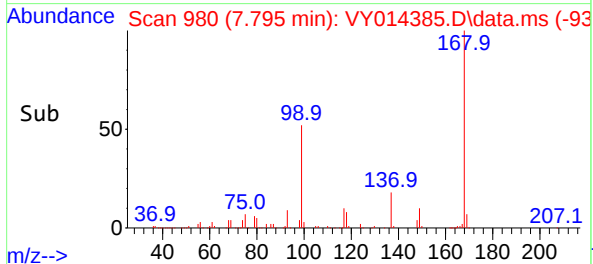
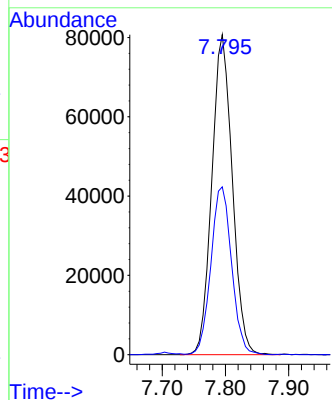
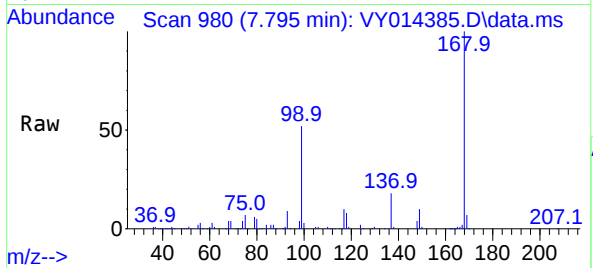




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

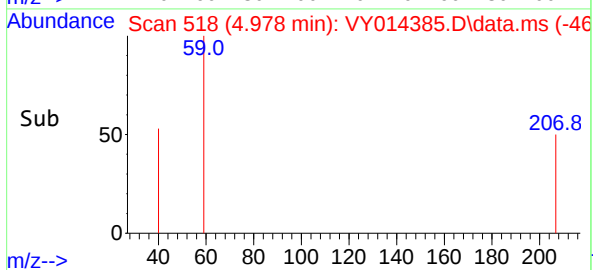
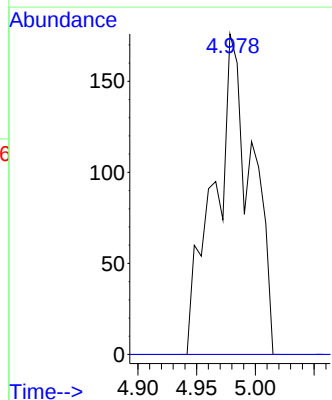
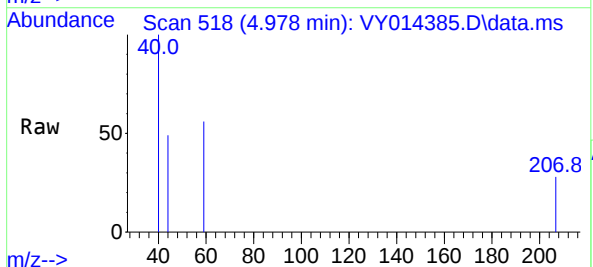
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10ERE

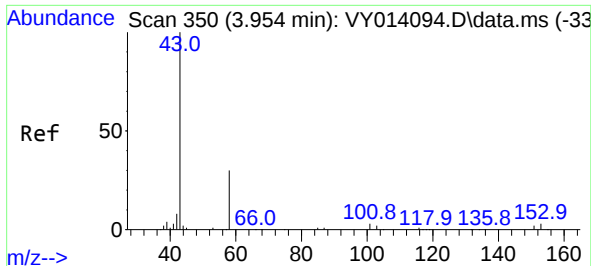
Tgt Ion:168 Resp: 180881
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

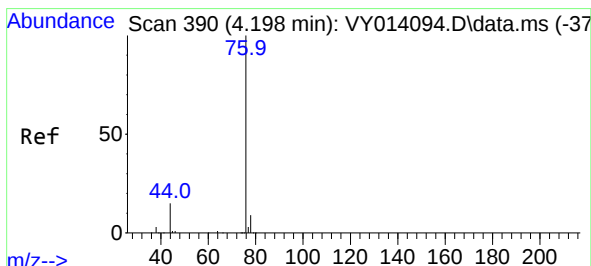
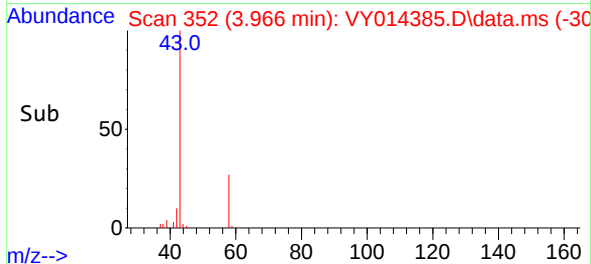
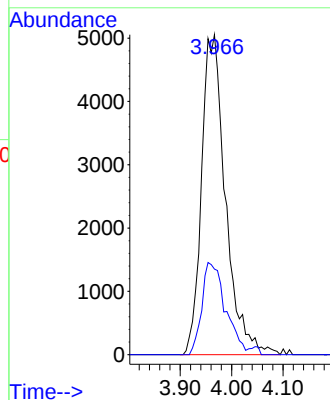
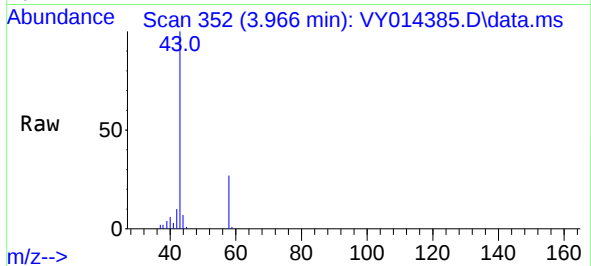




#16
Acetone
Concen: 21.549 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

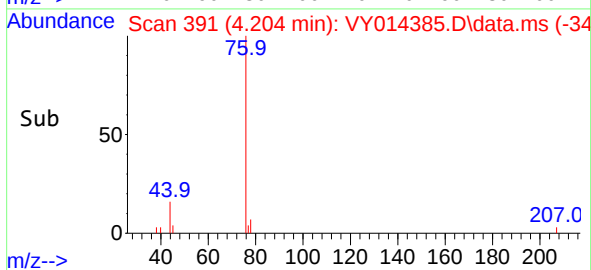
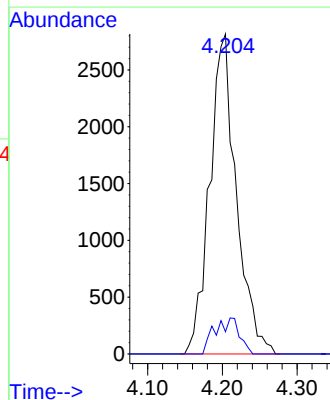
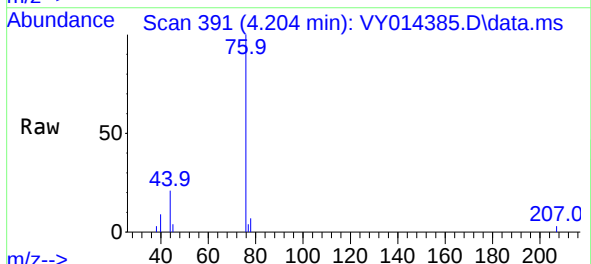
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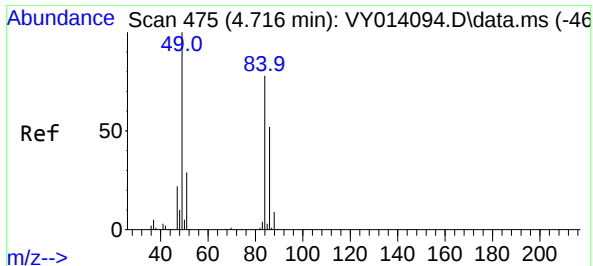
Tgt Ion: 43 Resp: 16361
Ion Ratio Lower Upper
43 100
58 26.8 22.7 34.1



#17
Carbon Disulfide
Concen: 1.043 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

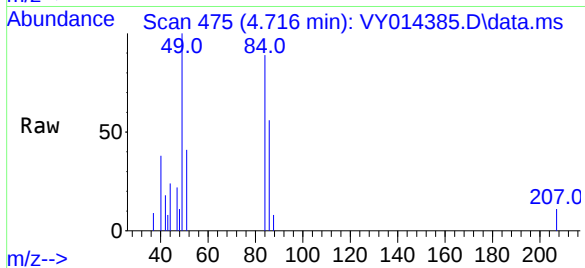
Tgt Ion: 76 Resp: 6979
Ion Ratio Lower Upper
76 100
78 7.0 7.0 10.4#





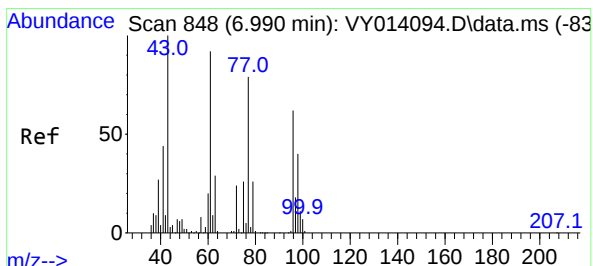
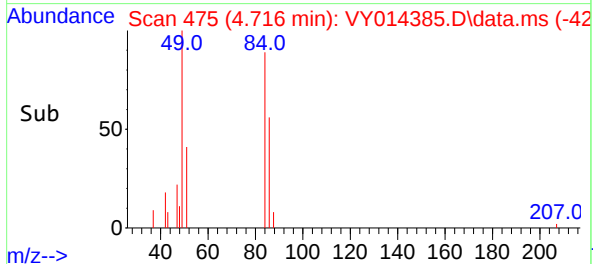
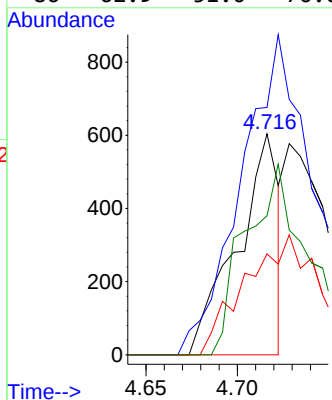
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10ERE



Tgt Ion: 84 Resp: 960

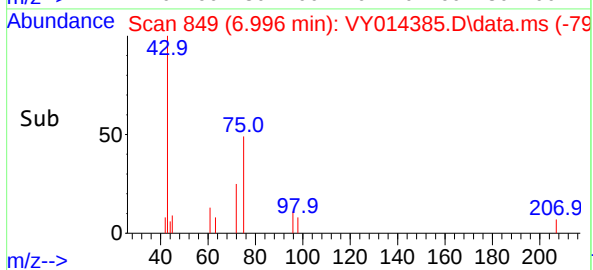
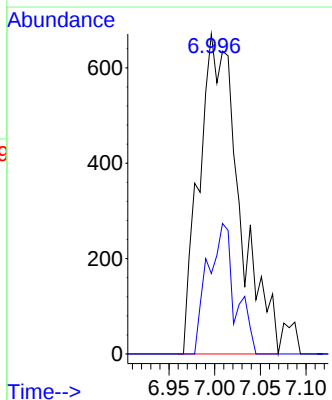
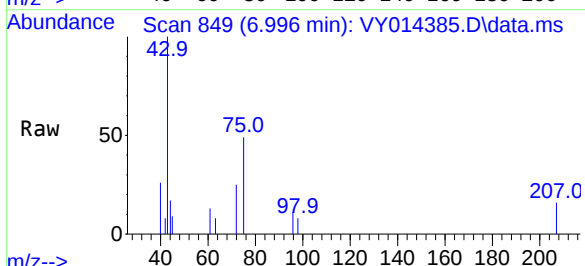
Ion	Ratio	Lower	Upper
84	100		
49	111.9	106.9	160.3
51	45.7	33.2	49.8
86	62.9	51.0	76.6

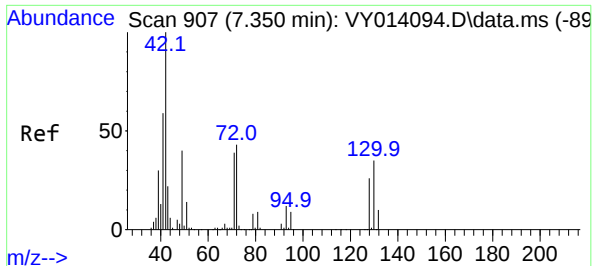


#25
2-Butanone
Concen: 2.187 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 43 Resp: 2044

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.5	30.7





#29

Tetrahydrofuran

Concen: 5.204 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014385.D

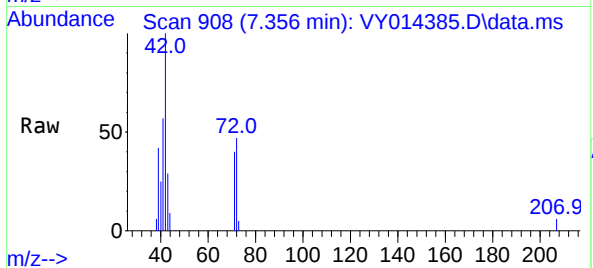
Acq: 22 Jun 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-3-4-10ERE



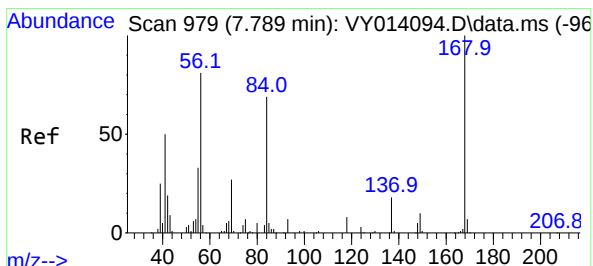
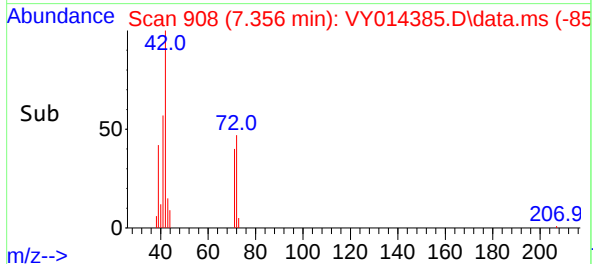
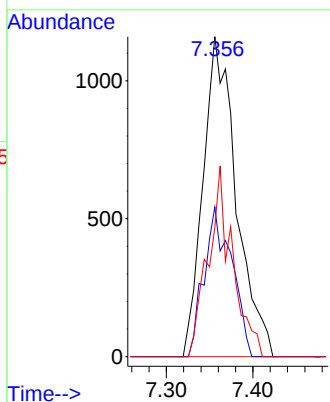
Tgt Ion: 42 Resp: 3084

Ion Ratio Lower Upper

42 100

72 39.1 32.8 49.2

71 43.7 31.0 46.4



#31

Cyclohexane

Concen: 1.383 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014385.D

Acq: 22 Jun 2023 17:36

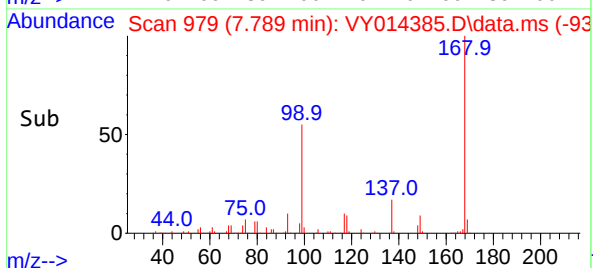
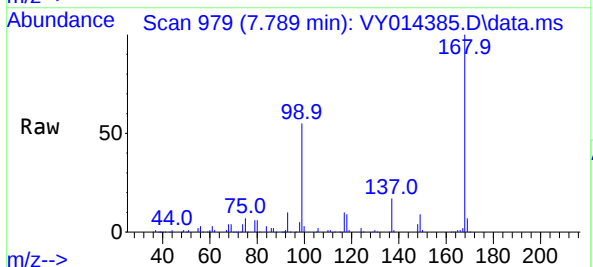
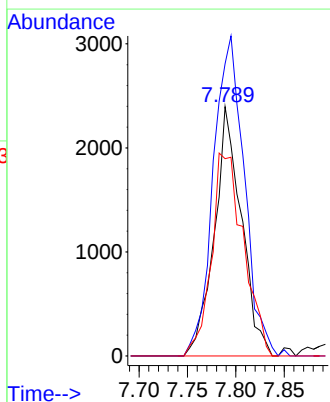
Tgt Ion: 56 Resp: 4665

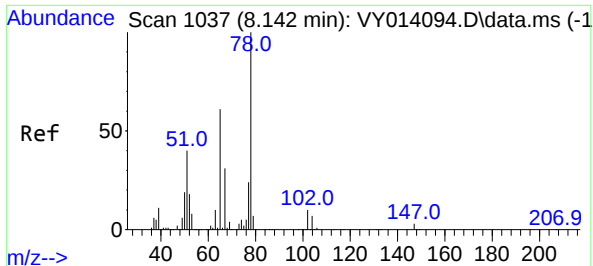
Ion Ratio Lower Upper

56 100

69 117.2 27.8 41.6#

84 79.1 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 47.426 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014385.D

Acq: 22 Jun 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

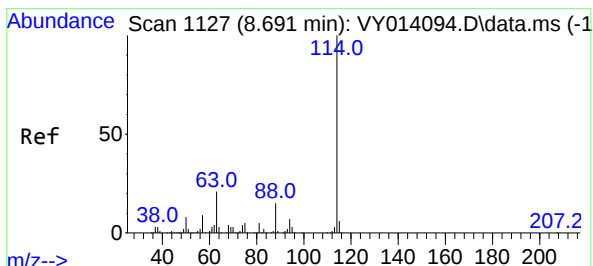
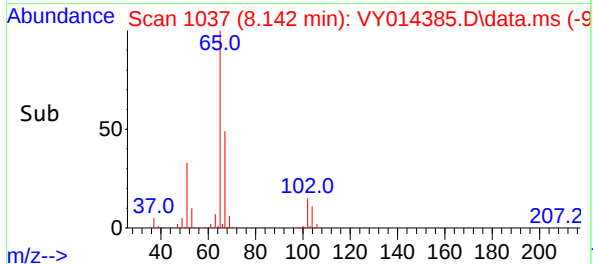
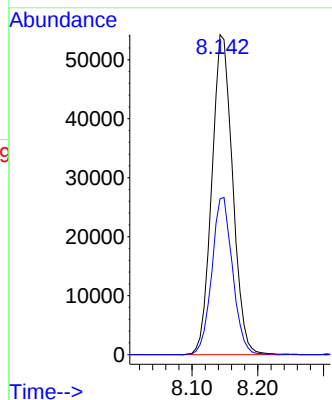
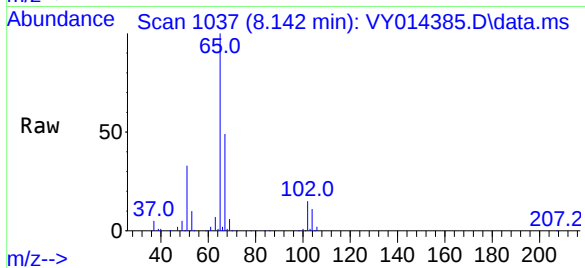
TOTAL-VOC-TP6-3-4-10ERE

Tgt Ion: 65 Resp: 119457

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014385.D

Acq: 22 Jun 2023 17:36

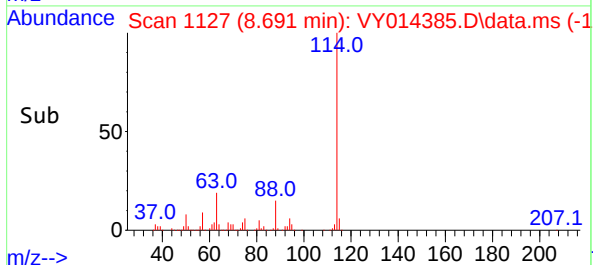
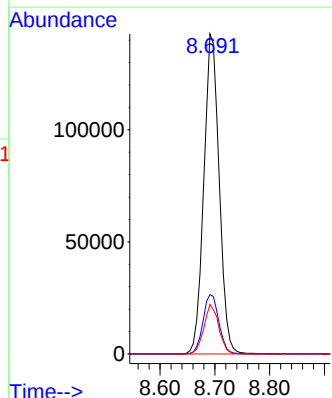
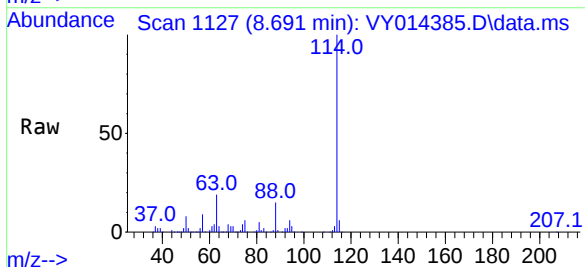
Tgt Ion: 114 Resp: 277321

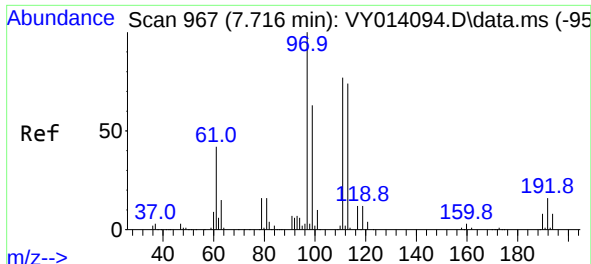
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.5 0.0 30.6

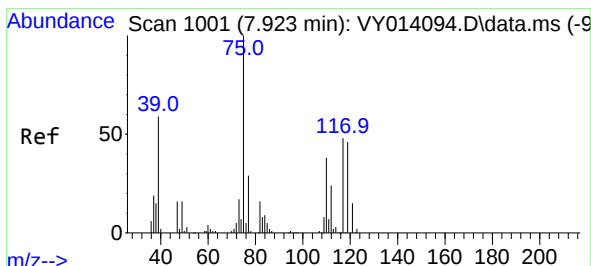
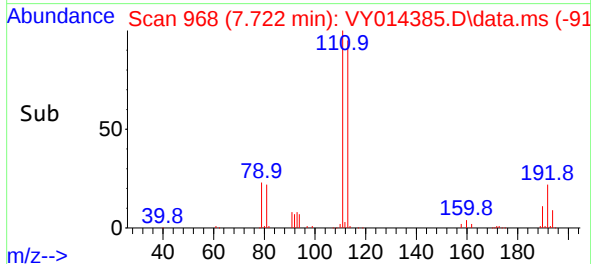
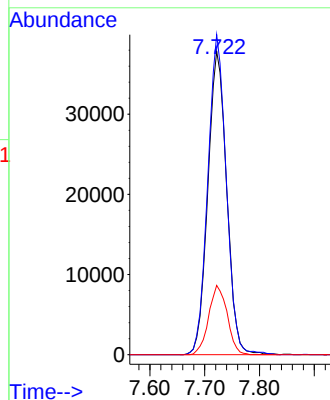
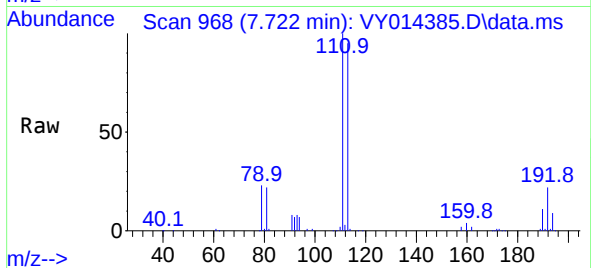




#35
Dibromofluoromethane
Concen: 45.790 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

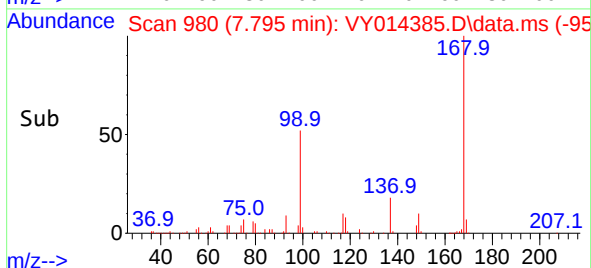
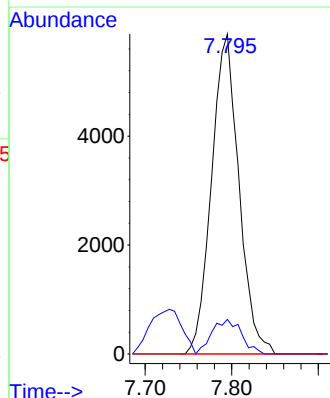
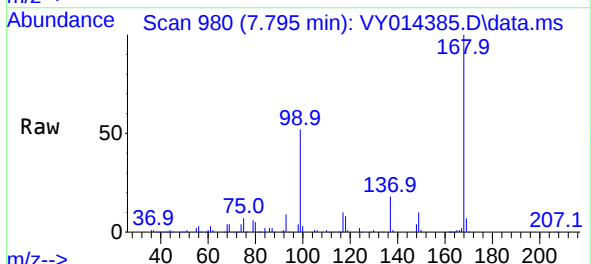
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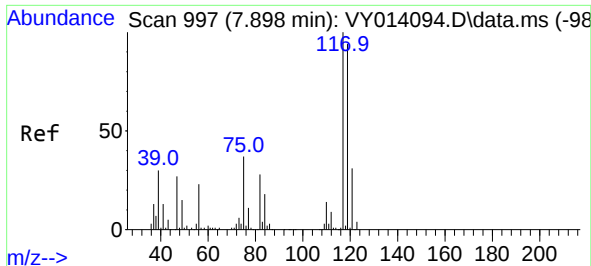
Tgt Ion:113 Resp: 90055
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 22.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.208 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 75 Resp: 12901
Ion Ratio Lower Upper
75 100
110 11.6 17.8 53.5#
77 0.0 24.4 36.6#

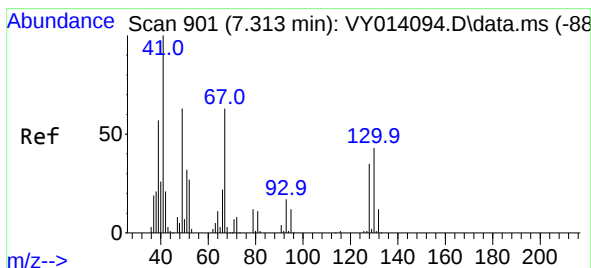
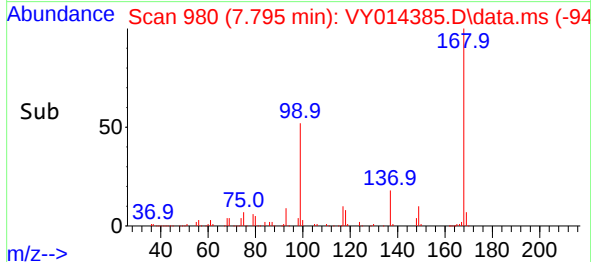
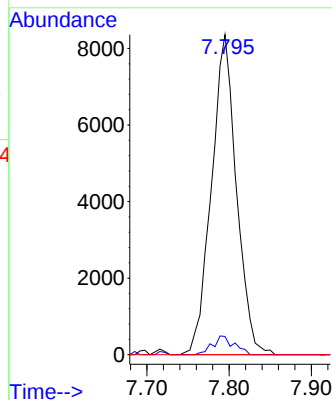
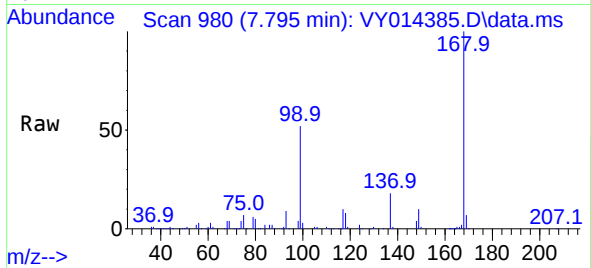




#38
Carbon Tetrachloride
Concen: 4.997 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

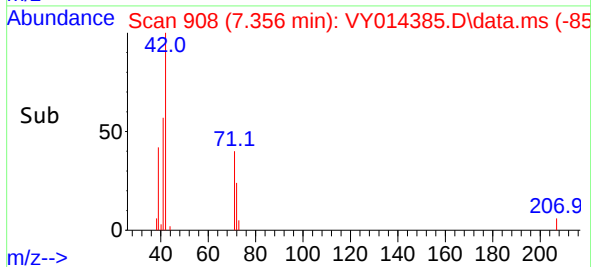
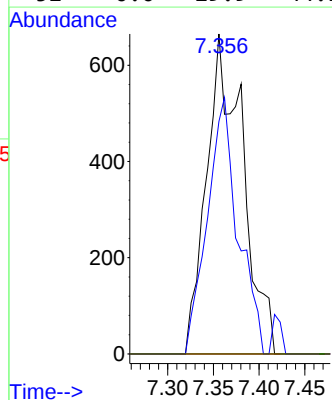
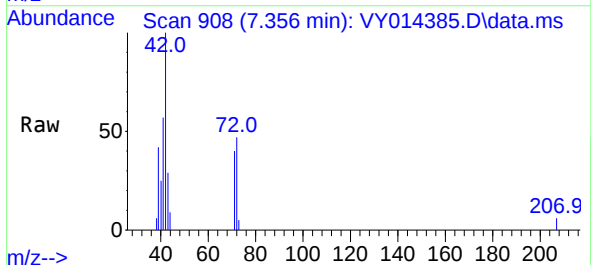
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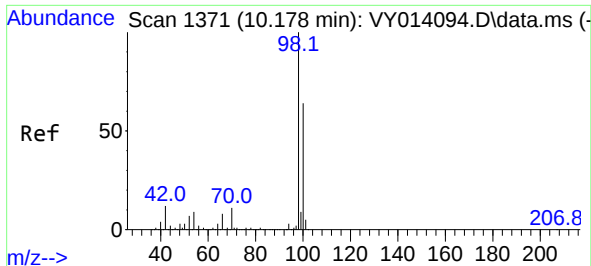
Tgt Ion:117 Resp: 17680
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.696 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 41 Resp: 1831
Ion Ratio Lower Upper
41 100
39 67.9 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

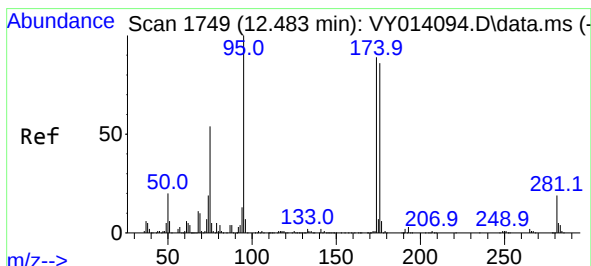
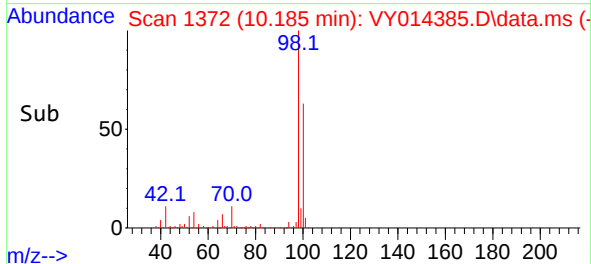
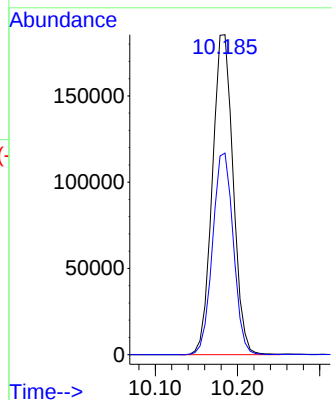
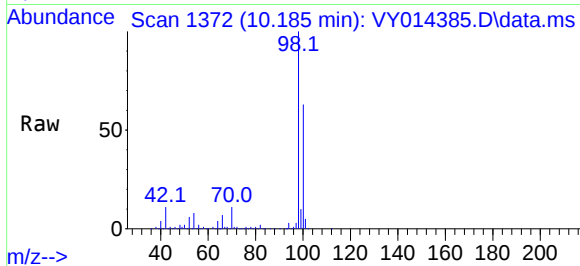




#50
Toluene-d8
Concen: 44.306 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

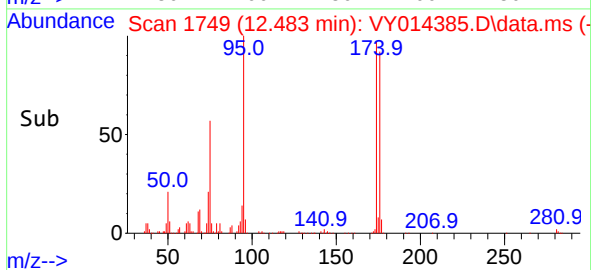
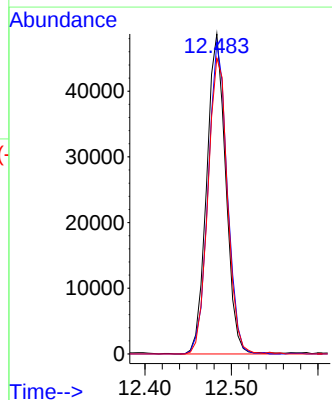
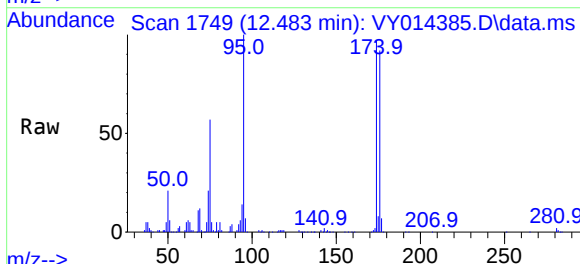
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10ERE

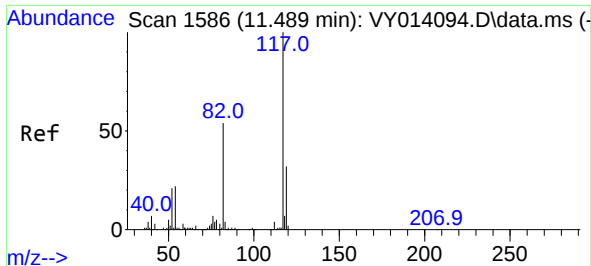
Tgt Ion: 98 Resp: 325769
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 28.501 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 95 Resp: 74441
Ion Ratio Lower Upper
95 100
174 97.4 0.0 178.2
176 94.6 0.0 173.8

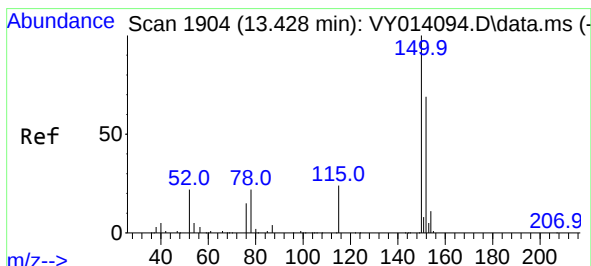
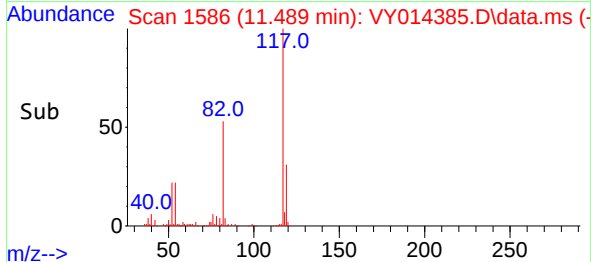
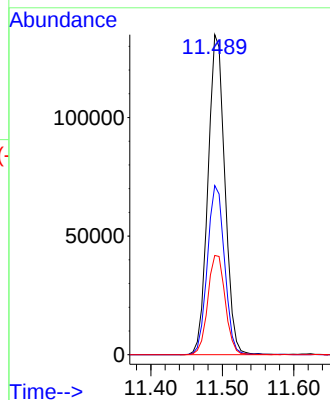
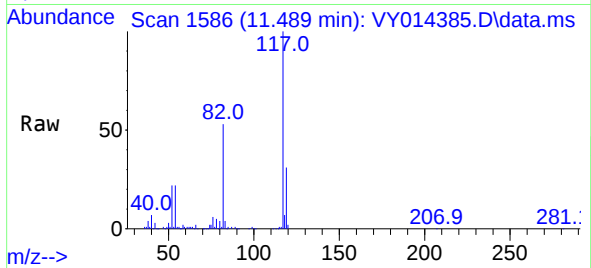




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

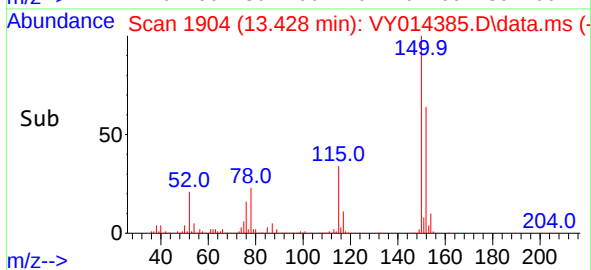
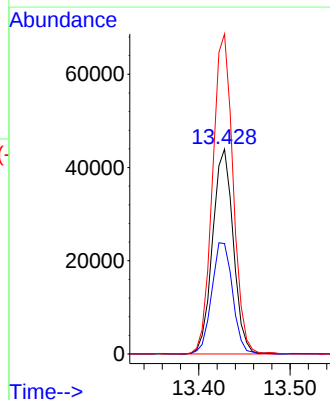
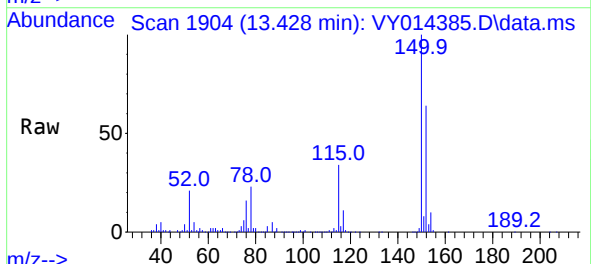
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10ERE

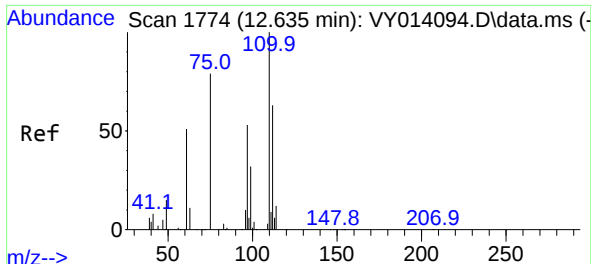
Tgt Ion:	117	Resp:	221361
Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.4	65.0
119	31.0	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion:	152	Resp:	69155
Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.8	86.5
150	154.7	0.0	348.8

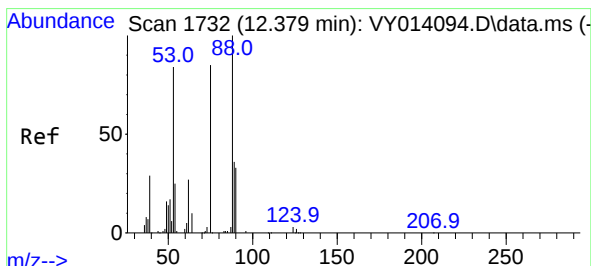
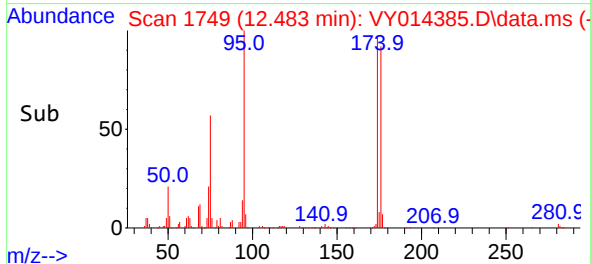
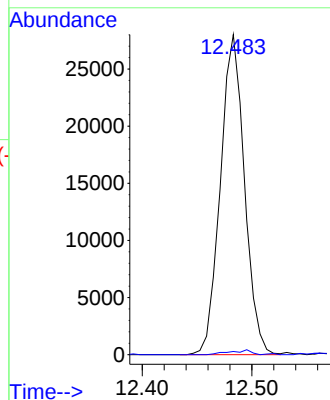
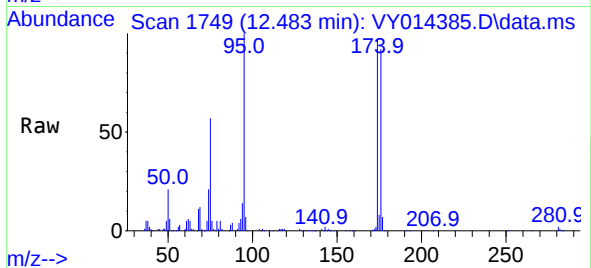




#76
1,2,3-Trichloropropane
Concen: 47.171 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

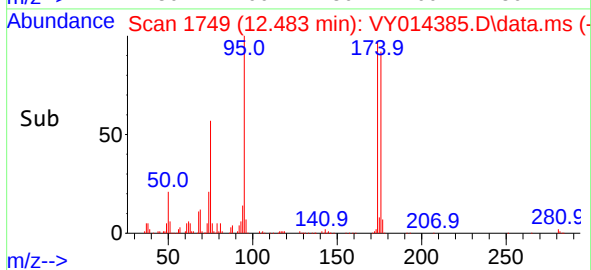
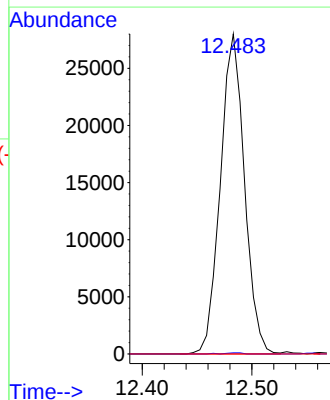
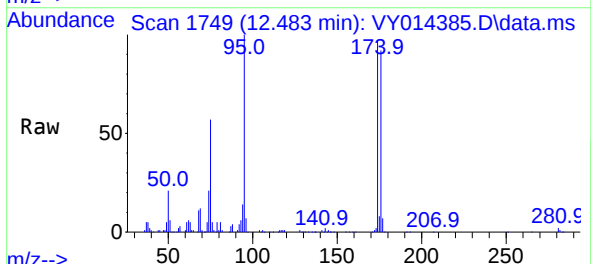
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10ERE

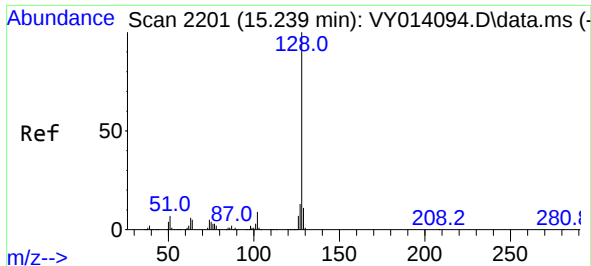
Tgt Ion: 75 Resp: 42798
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.965 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014385.D
Acq: 22 Jun 2023 17:36

Tgt Ion: 75 Resp: 42798
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 1.768 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014385.D

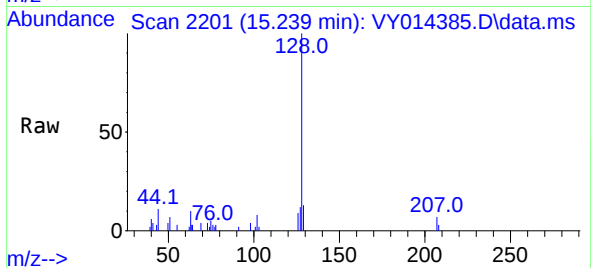
Acq: 22 Jun 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-3-4-10ERE



Tgt Ion:	128	Resp:	5406
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.9	8.6	13.0

