

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011164.D
 Acq On : 28 Oct 2022 18:03
 Operator : KP/MD
 Sample : N5316-14
 Misc : 8.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-2-PILE-2

Quant Time: Oct 28 23:46:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

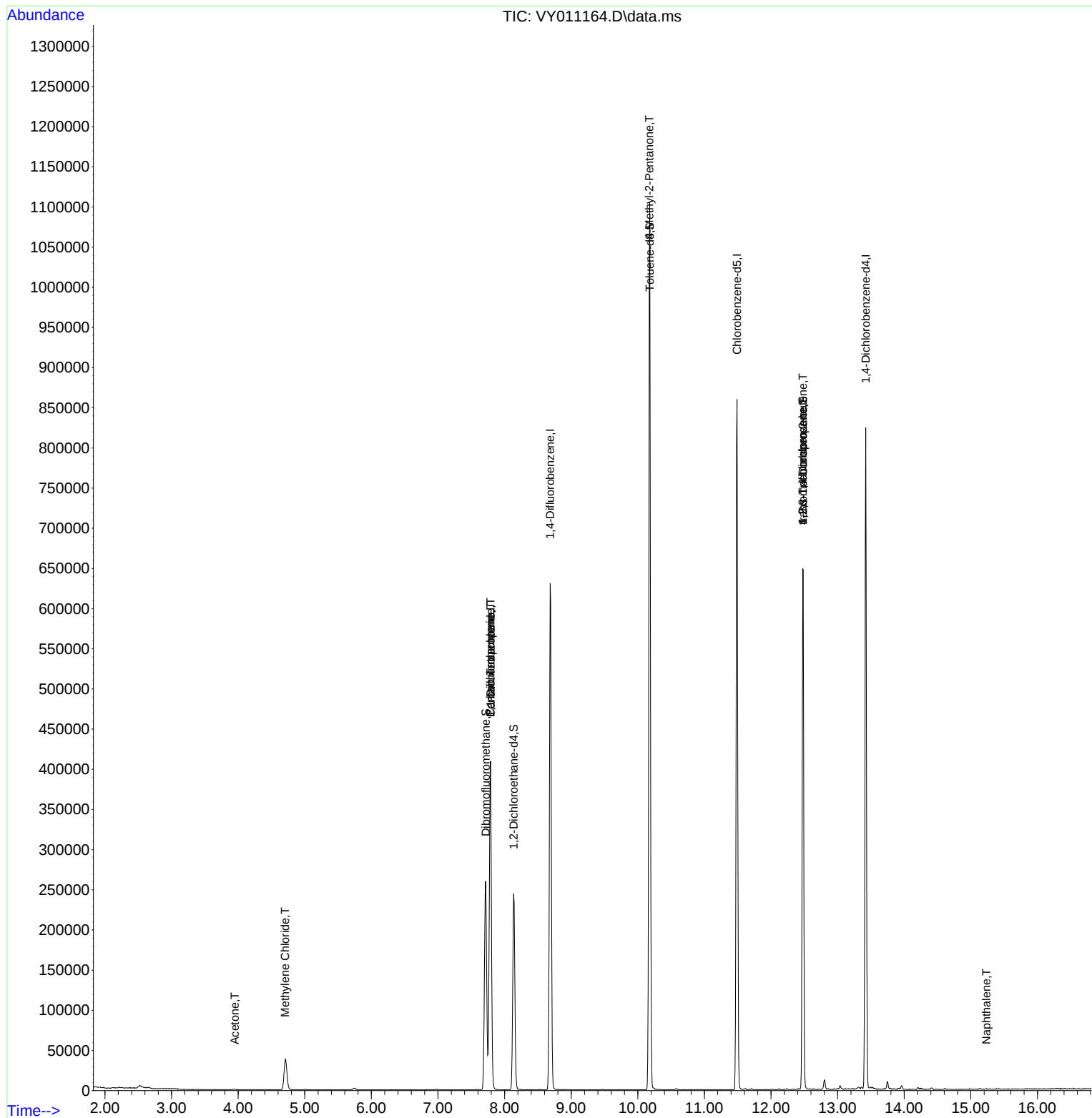
Internal Standards						
1) Pentafluorobenzene	7.789	168	316124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	547885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	476750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	189600	58.003	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.000%
35) Dibromofluoromethane	7.716	113	185550	55.071	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.140%
50) Toluene-d8	10.179	98	716627	53.688	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.380%
62) 4-Bromofluorobenzene	12.477	95	212136	48.571	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.140%
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	80	Below Cal	#	43
3) Chloromethane	2.119	50	263	Below Cal		94
4) Vinyl Chloride	2.284	62	35	Below Cal	#	43
5) Bromomethane	2.649	94	444	Below Cal		99
6) Chloroethane	2.564	64	20	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	21	Below Cal	#	77
16) Acetone	3.948	43	1327	1.659	ug/l #	60
17) Carbon Disulfide	4.192	76	197	Below Cal	#	75
18) Methyl Acetate	4.472	43	147	Below Cal	#	56
20) Methylene Chloride	4.704	84	30164	2.755	ug/l #	79
31) Cyclohexane	7.783	56	5996	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	23580	5.368	ug/l #	51
38) Carbon Tetrachloride	7.789	117	31319	6.546	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	2519	1.008	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	105515	49.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	105515	104.756	ug/l #	7
95) Naphthalene	15.233	128	595	4.428	ug/l #	69

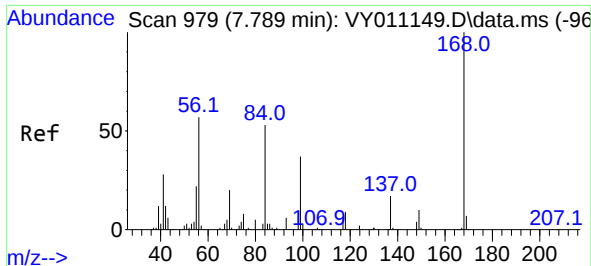
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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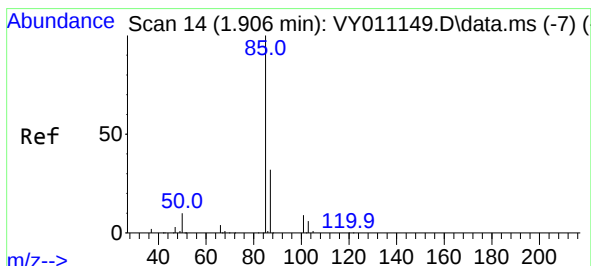
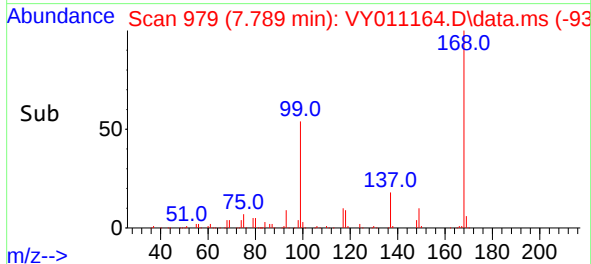
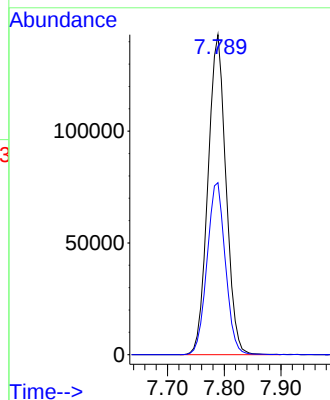
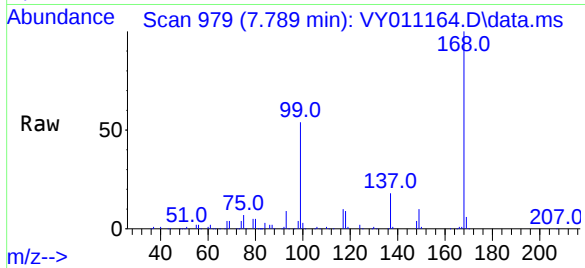




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

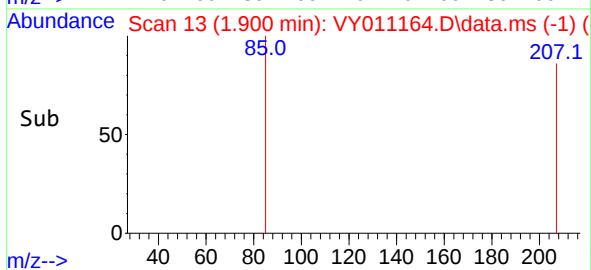
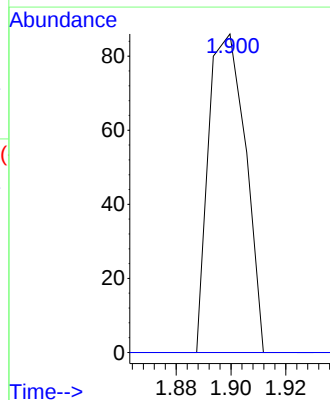
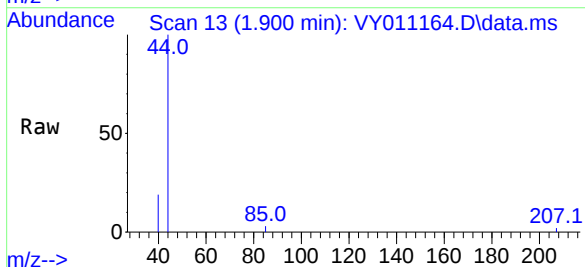
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

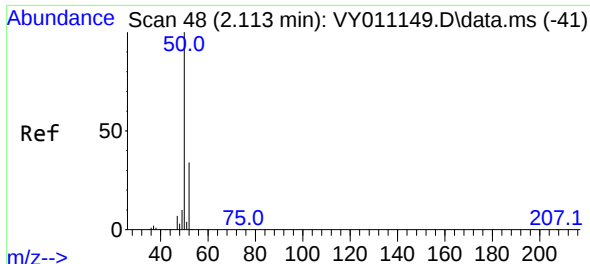
Tgt Ion:168 Resp: 316124
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 85 Resp: 80
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

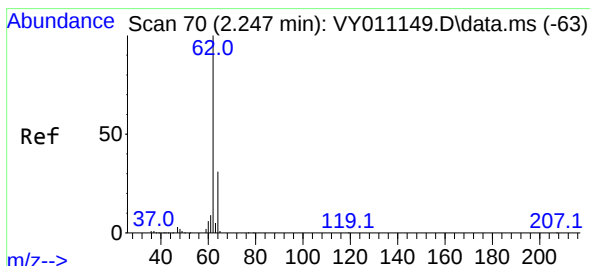
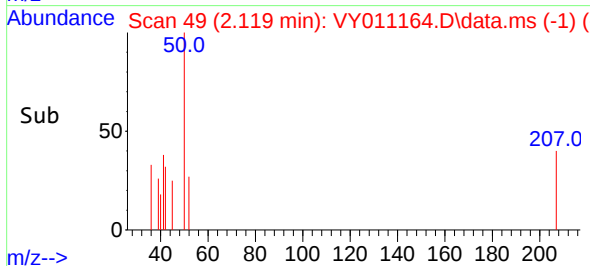
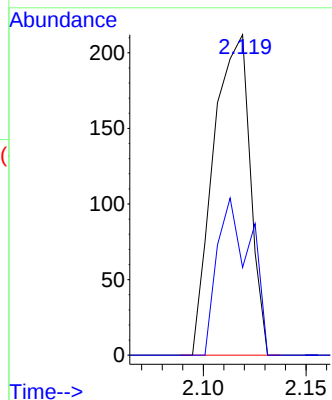
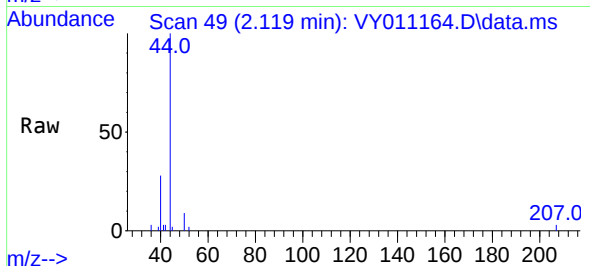




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

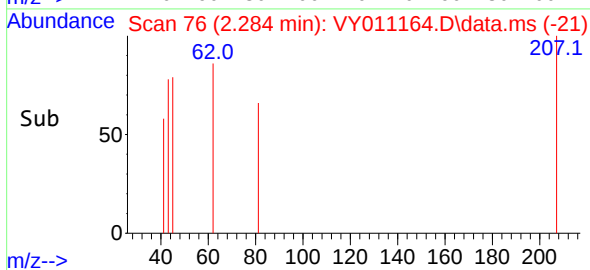
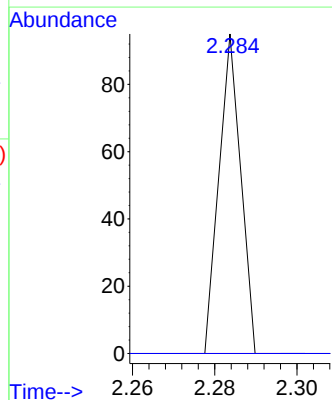
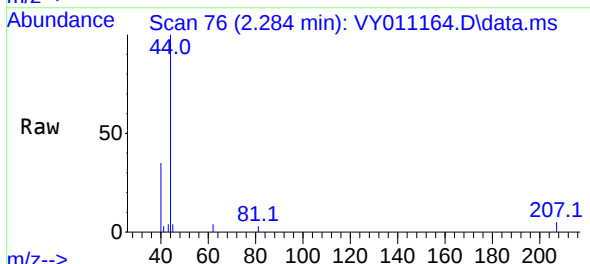
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

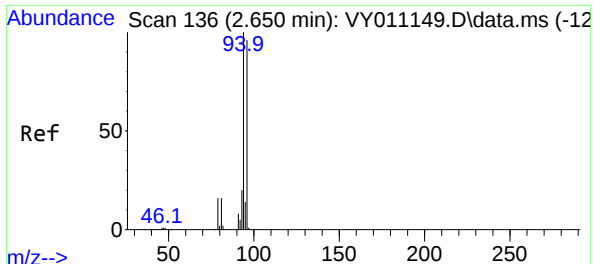
Tgt Ion: 50 Resp: 263
Ion Ratio Lower Upper
50 100
52 27.4 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.284 min Scan# 76
Delta R.T. 0.037 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 62 Resp: 35
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

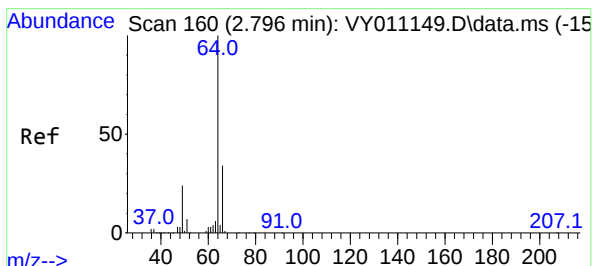
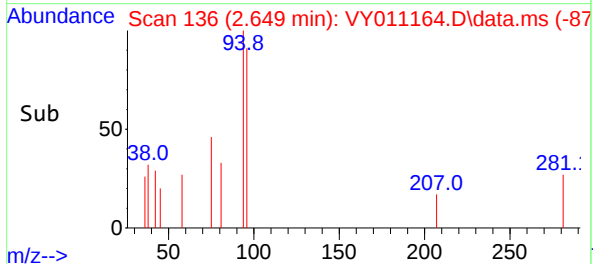
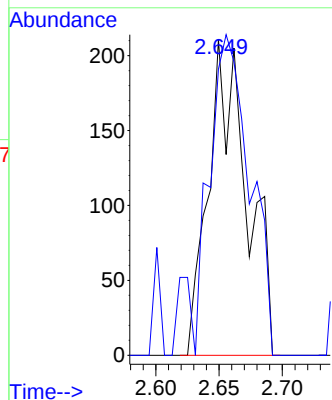
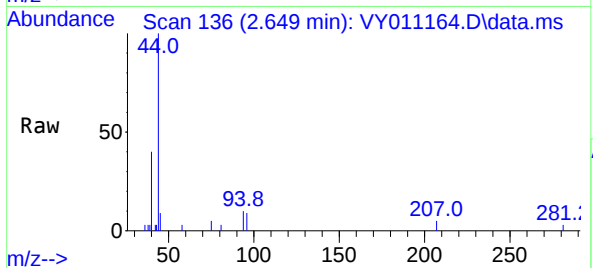




#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 111
Delta R.T. -0.001 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

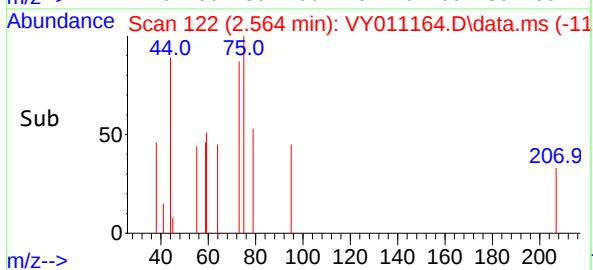
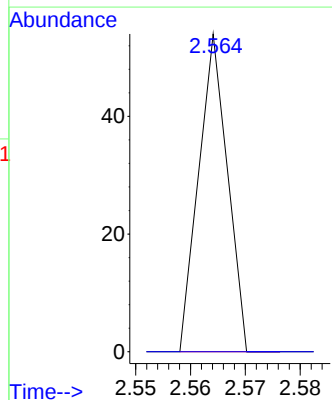
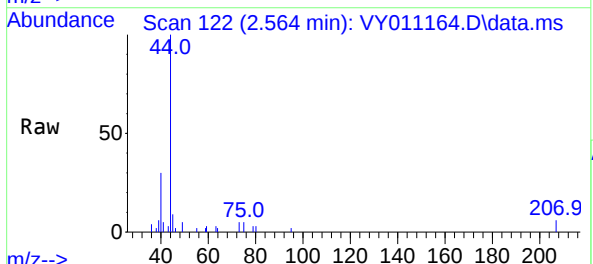
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

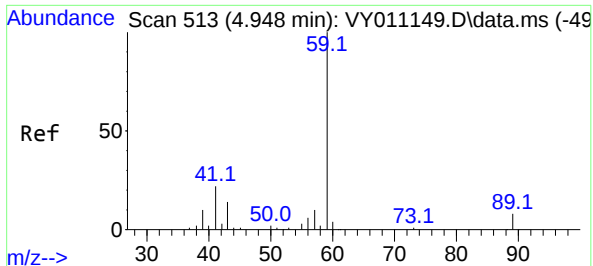
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 90.5 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.564 min Scan# 122
Delta R.T. -0.232 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011164.D

Acq: 28 Oct 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

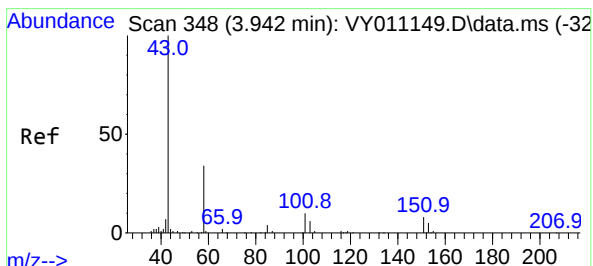
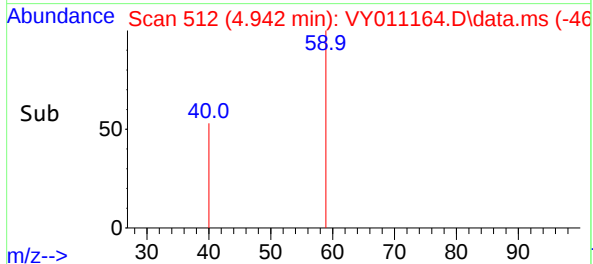
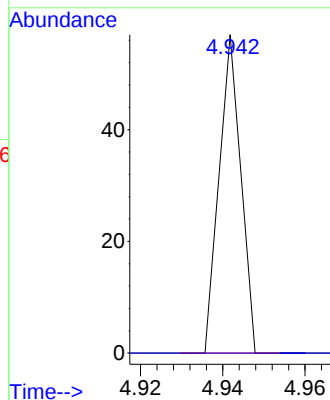
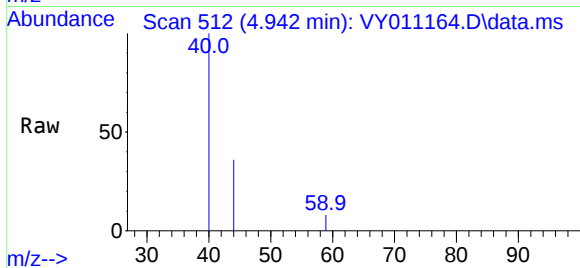
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.659 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011164.D

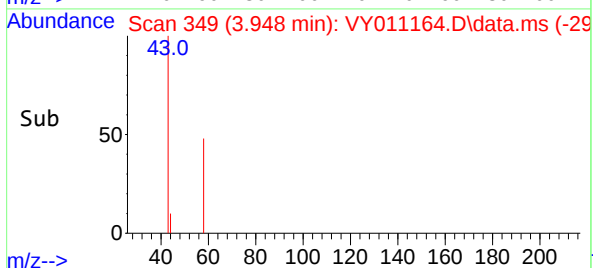
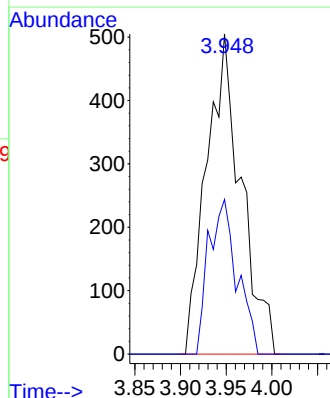
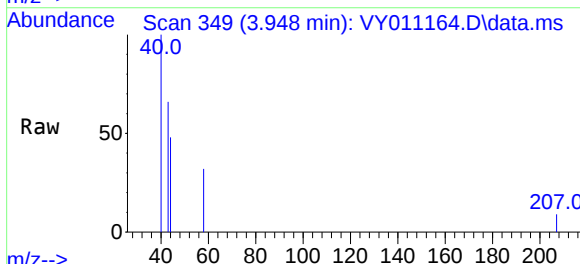
Acq: 28 Oct 2022 18:03

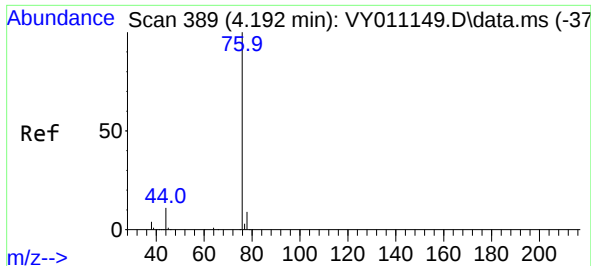
Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

58 48.3 22.0 33.0#

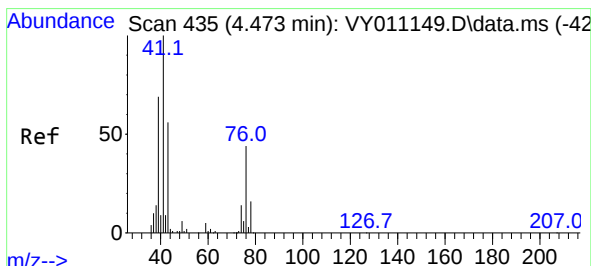
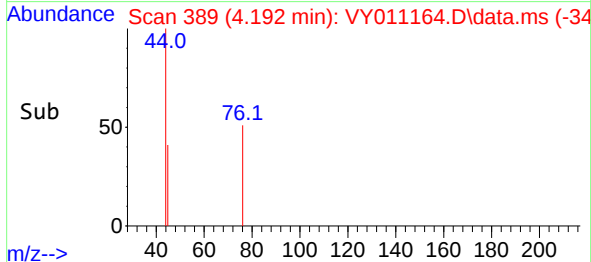
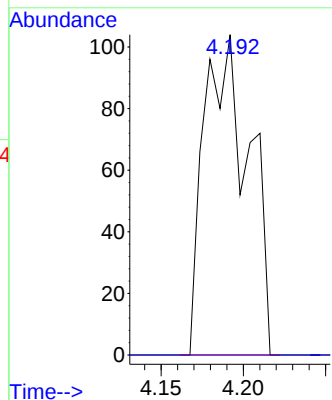
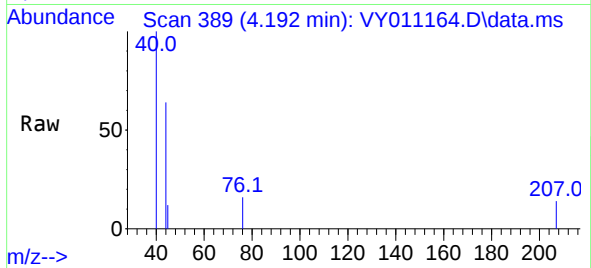




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

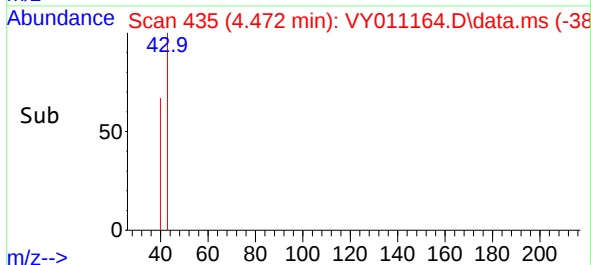
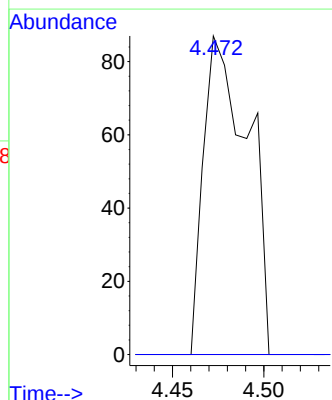
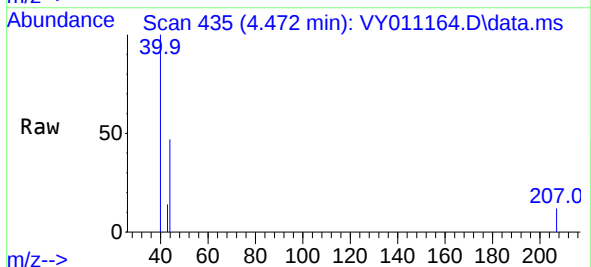
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

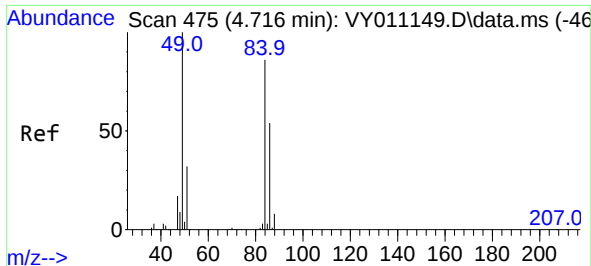
Tgt Ion: 76 Resp: 197
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

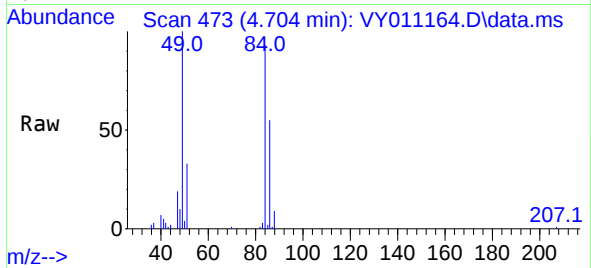
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





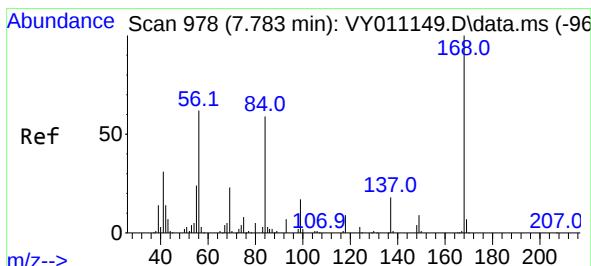
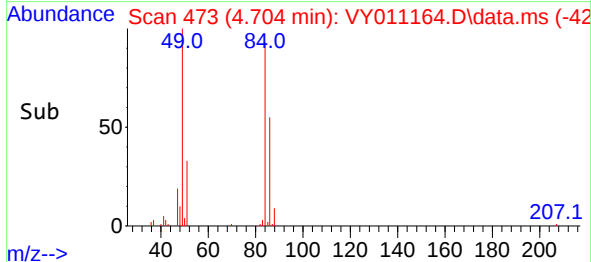
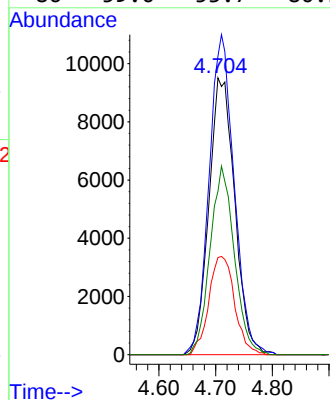
#20
Methylene Chloride
Concen: 2.755 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2



Tgt Ion: 84 Resp: 30164

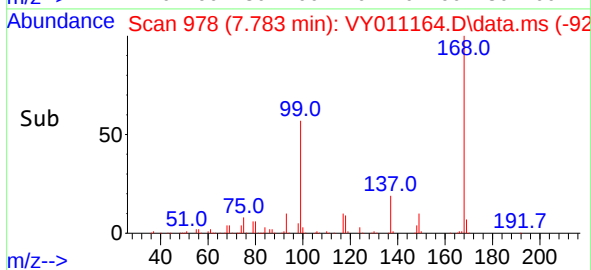
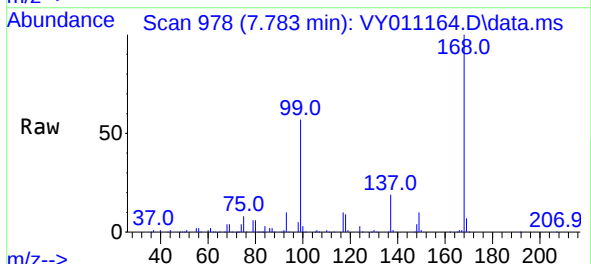
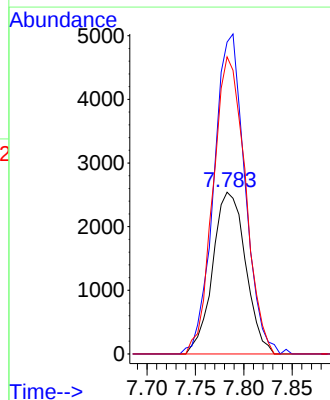
Ion	Ratio	Lower	Upper
84	100		
49	107.9	114.4	171.6#
51	35.1	35.3	52.9#
86	59.0	53.7	80.5

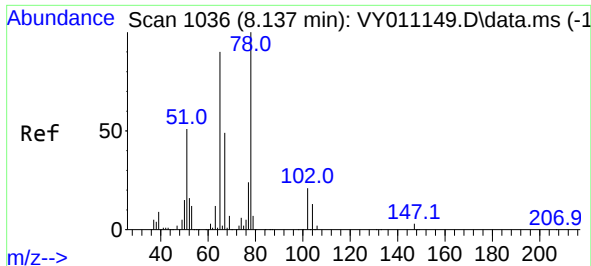


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 56 Resp: 5996

Ion	Ratio	Lower	Upper
56	100		
69	192.9	26.7	40.1#
84	183.7	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.003 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011164.D

Acq: 28 Oct 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

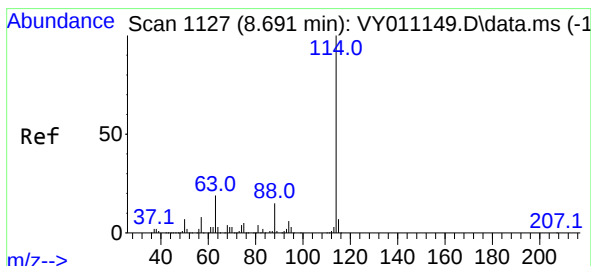
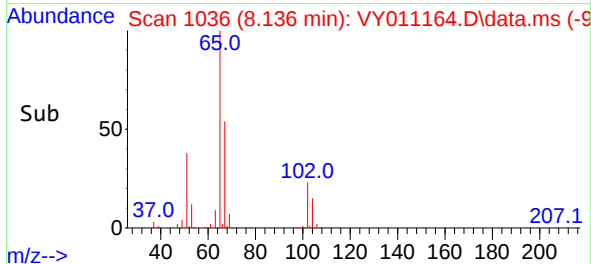
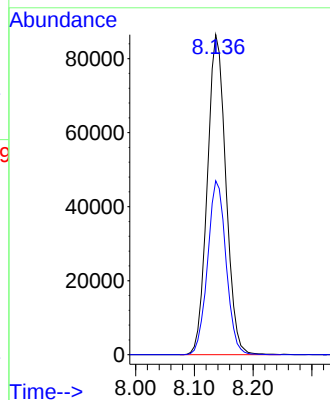
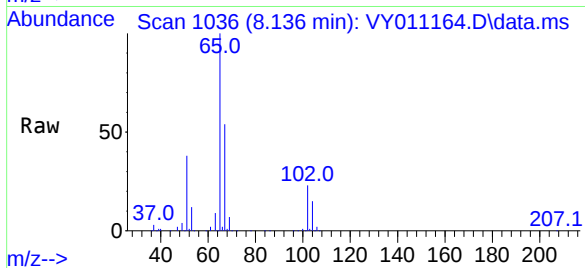
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion: 65 Resp: 189600

Ion Ratio Lower Upper

65 100

67 54.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011164.D

Acq: 28 Oct 2022 18:03

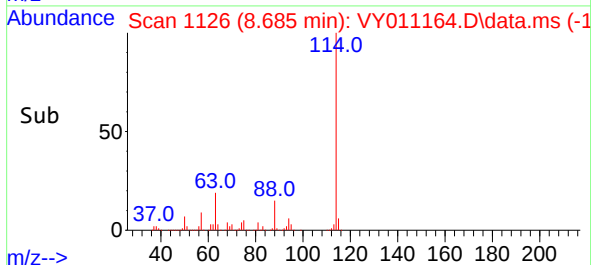
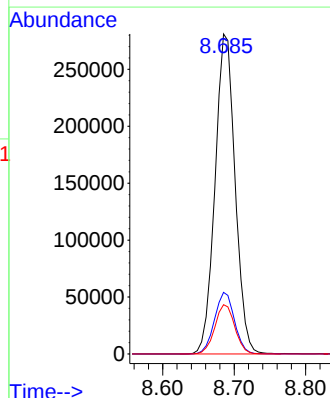
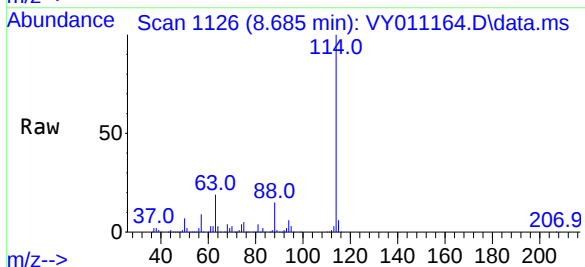
Tgt Ion: 114 Resp: 547885

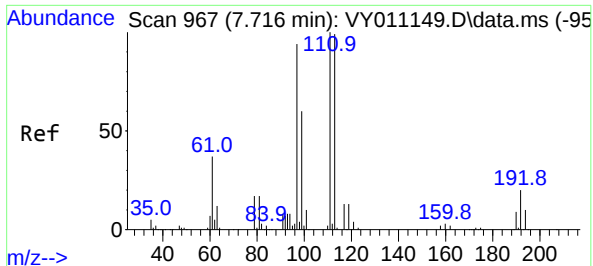
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.4 0.0 31.8

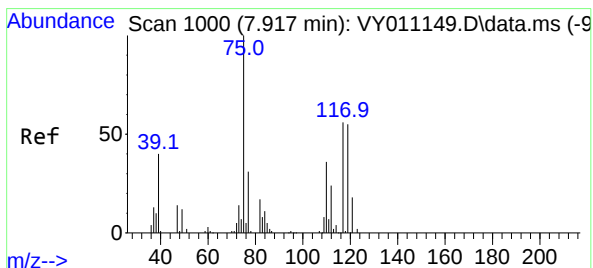
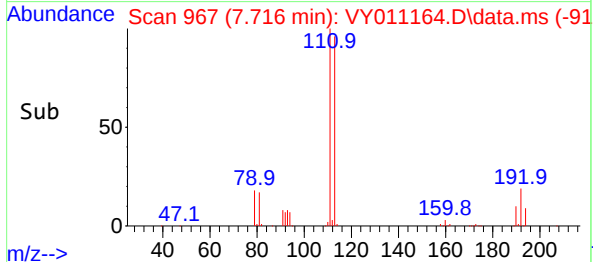
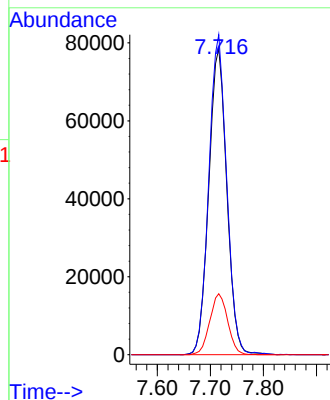
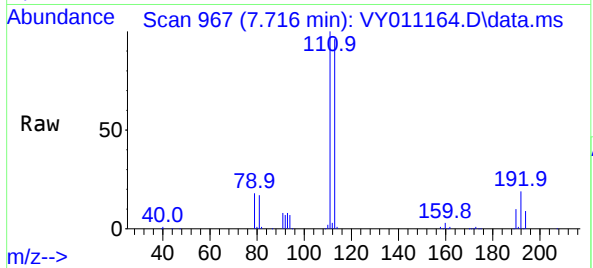




#35
Dibromofluoromethane
Concen: 55.071 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

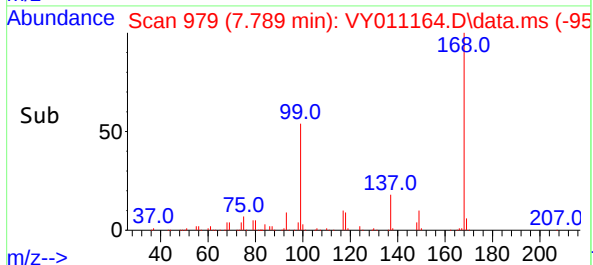
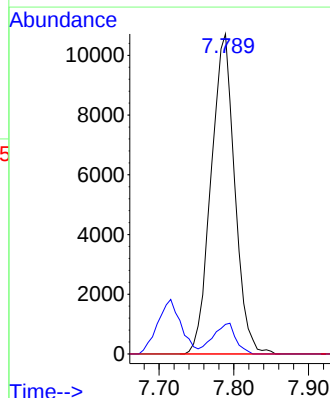
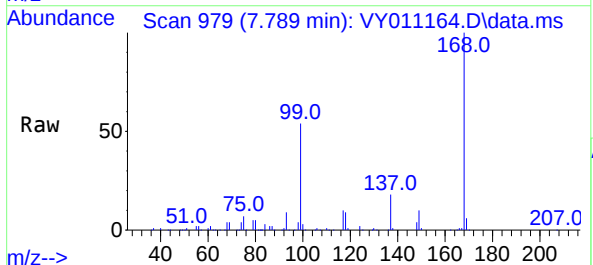
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

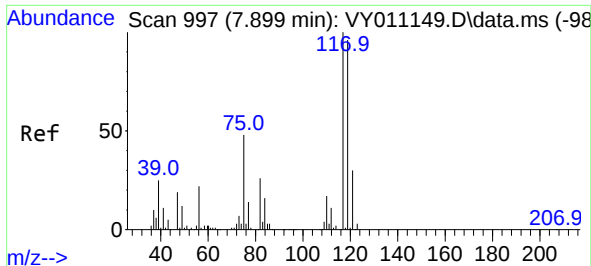
Tgt Ion:113 Resp: 185550
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.368 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 75 Resp: 23580
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

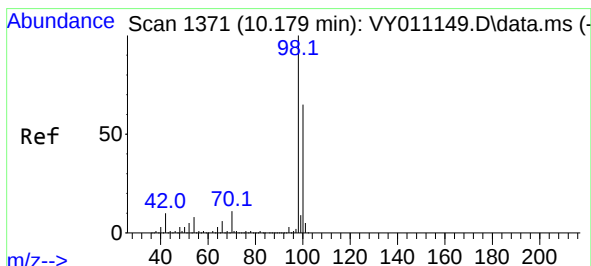
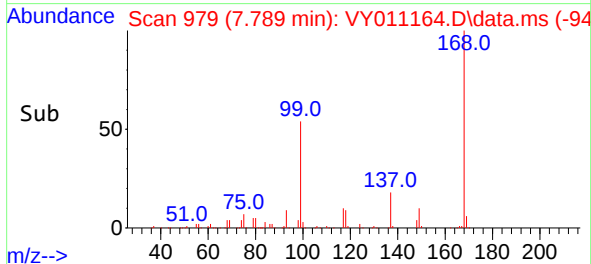
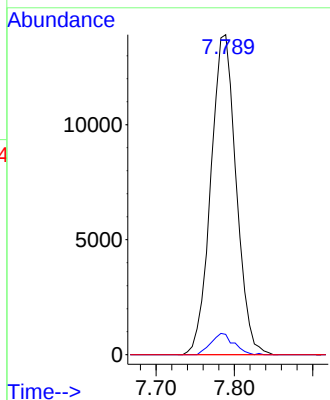
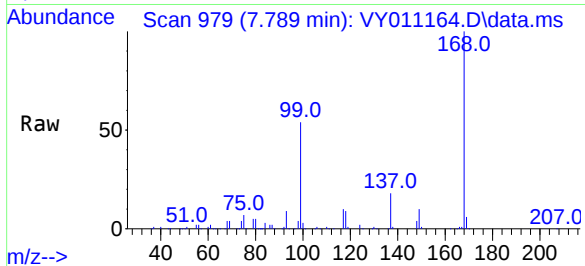




#38
Carbon Tetrachloride
Concen: 6.546 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

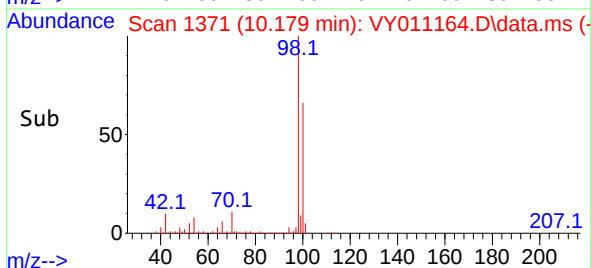
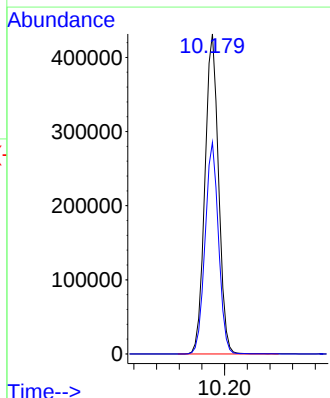
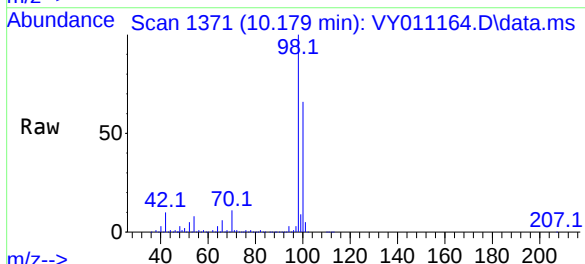
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

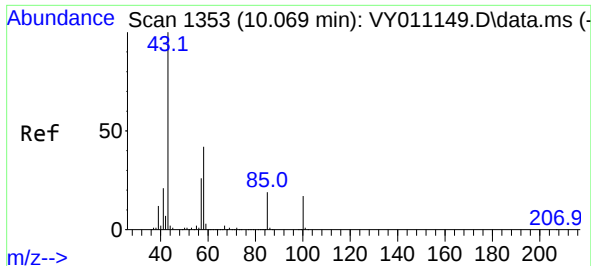
Tgt Ion:117 Resp: 31319
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.688 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 98 Resp: 716627
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

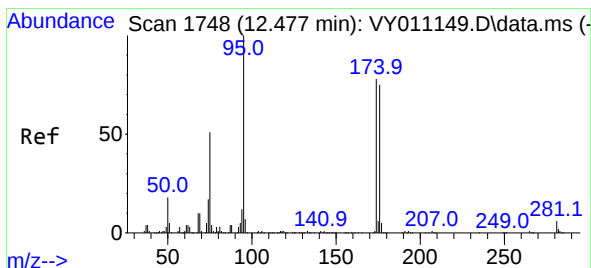
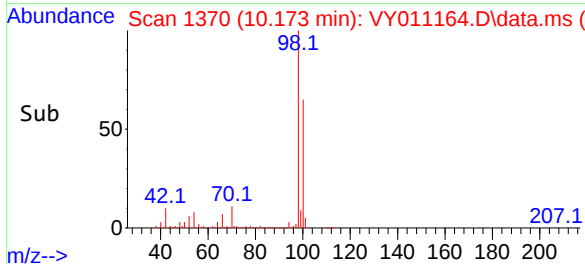
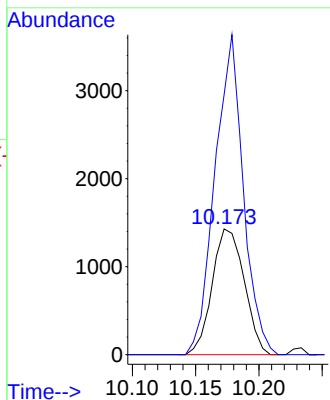
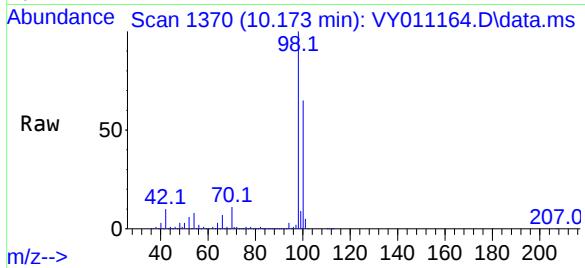




#51
4-Methyl-2-Pentanone
Concen: 1.008 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

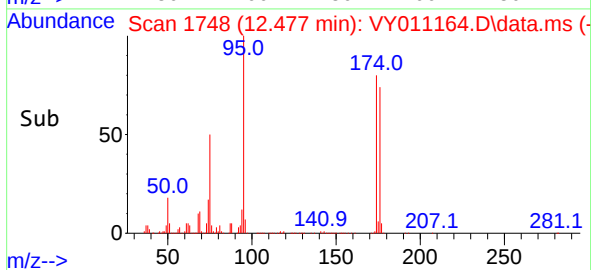
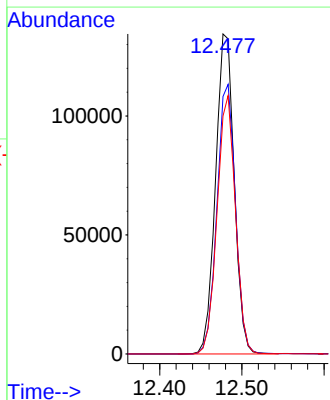
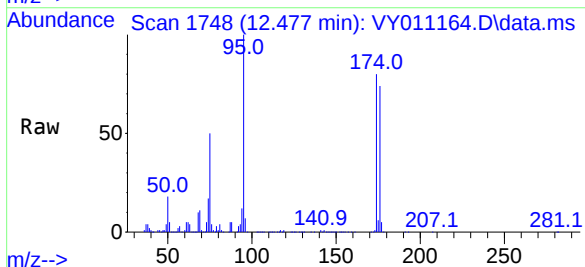
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

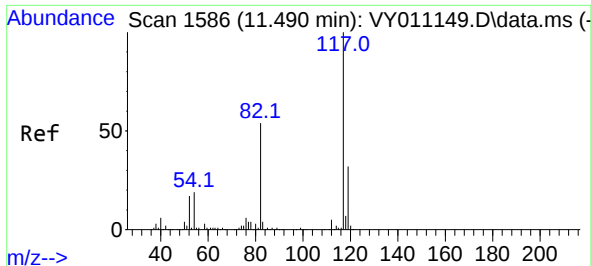
Tgt Ion: 43 Resp: 2519
Ion Ratio Lower Upper
43 100
58 224.9 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 48.571 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 95 Resp: 212136
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 79.6 0.0 175.8

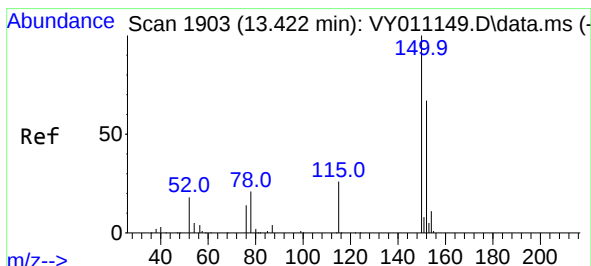
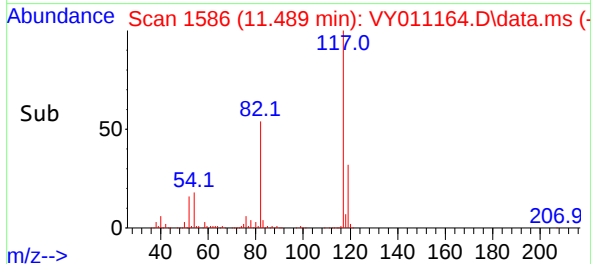
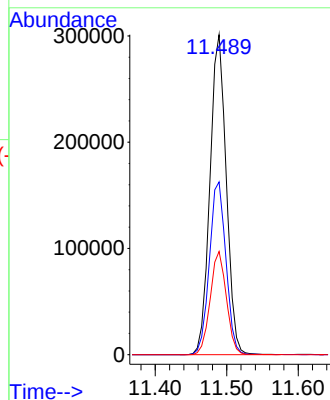
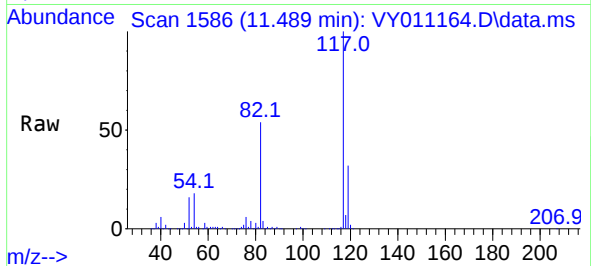




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

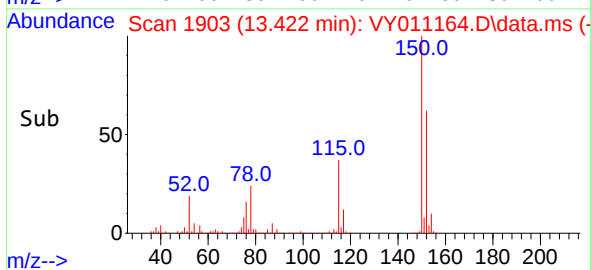
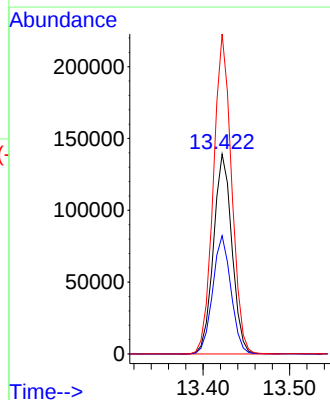
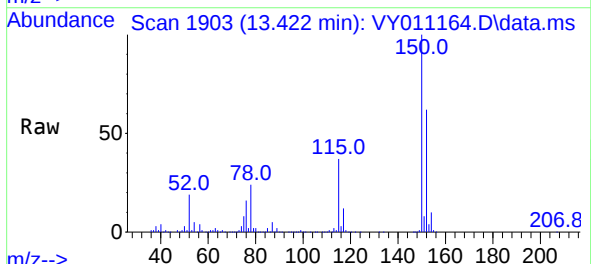
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

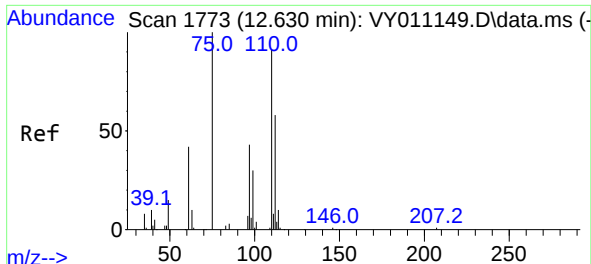
Tgt Ion:117 Resp: 476750
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion:152 Resp: 205743
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 158.1 0.0 347.6

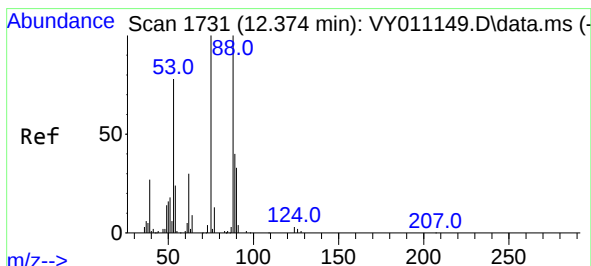
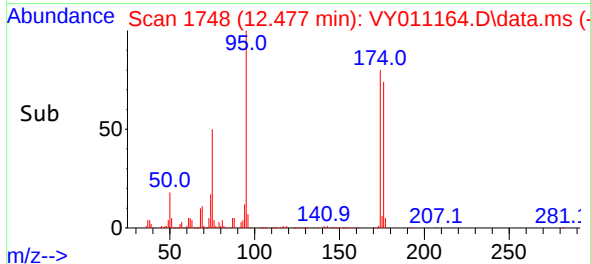
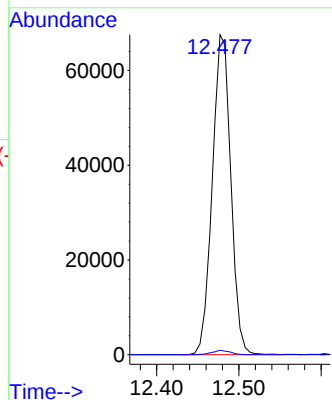
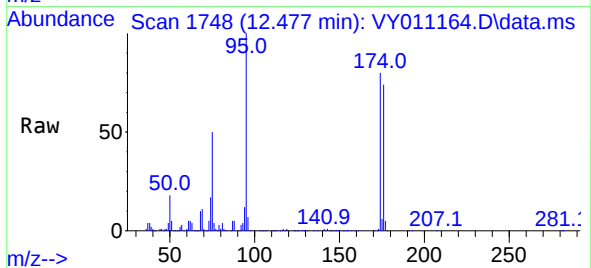




#76
1,2,3-Trichloropropane
Concen: 49.328 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

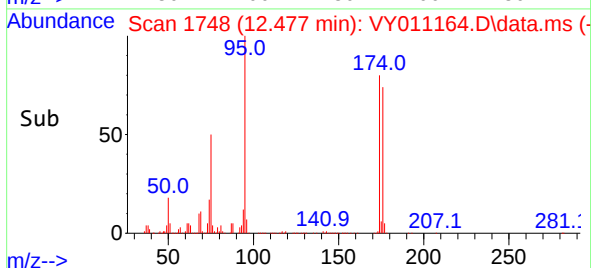
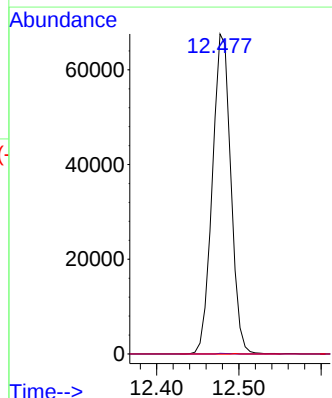
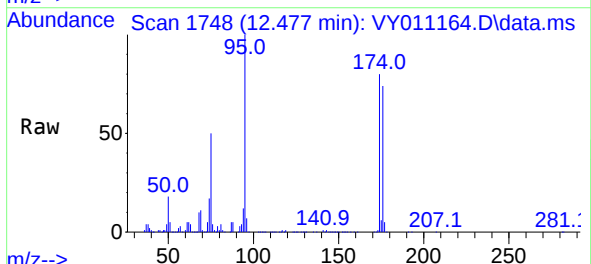
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

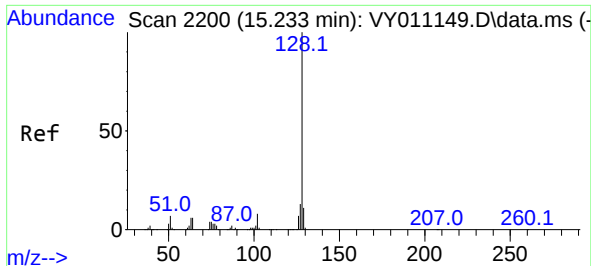
Tgt Ion: 75 Resp: 105515
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.756 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Tgt Ion: 75 Resp: 105515
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.428 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011164.D
Acq: 28 Oct 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-2-PILE-2

Tgt Ion:128 Resp: 595
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

