

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013523.D
 Acq On : 28 Apr 2023 14:07
 Operator : KP/MD
 Sample : 02503-10
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-305A-VOC-02

Quant Time: Apr 28 23:13:01 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	11335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	18439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	19051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	11659	93.830	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	187.660%#
35) Dibromofluoromethane	7.716	113	7997	68.956	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	137.920%
50) Toluene-d8	10.179	98	23657	57.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	114.680%
62) 4-Bromofluorobenzene	12.483	95	7486	53.823	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.640%

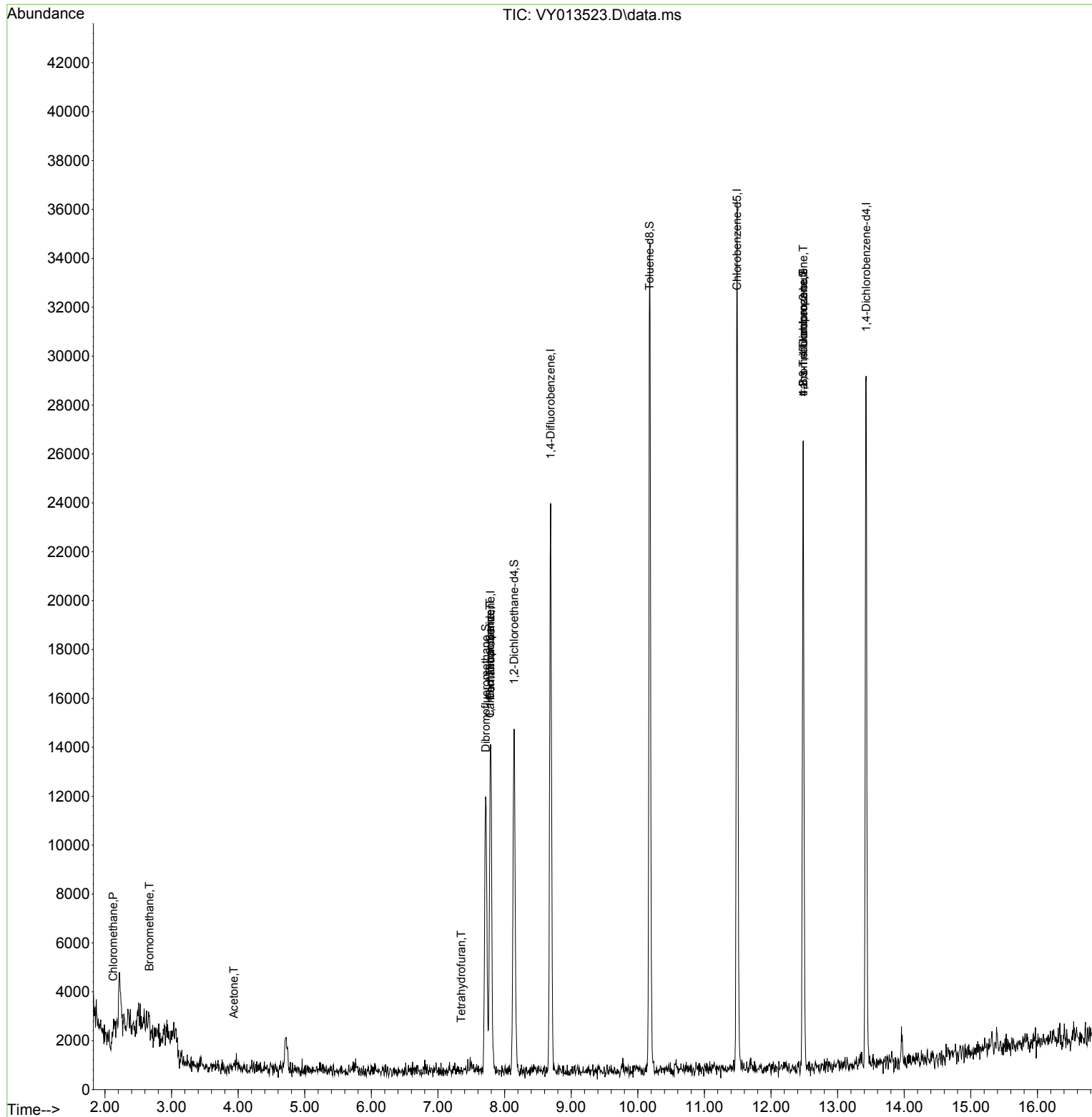
Target Compounds					Qvalue	
3) Chloromethane	2.125	50	223	1.544	ug/l #	60
5) Bromomethane	2.668	94	208	1.815	ug/l #	71
13) Acrolein	3.552	56	19	Below Cal	#	16
16) Acetone	3.936	43	224	4.578	ug/l #	43
20) Methylene Chloride	4.710	84	533	Below Cal	#	64
29) Tetrahydrofuran	7.350	42	44	1.139	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	902	4.686	ug/l #	40
38) Carbon Tetrachloride	7.783	117	952	4.719	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3851	37.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3851	77.437	ug/l #	12

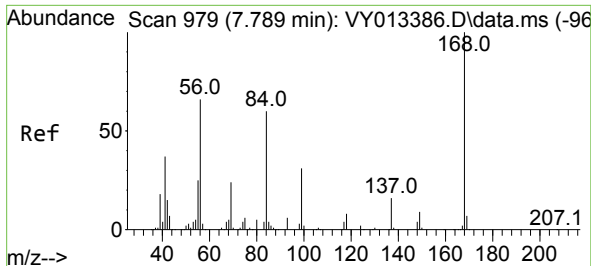
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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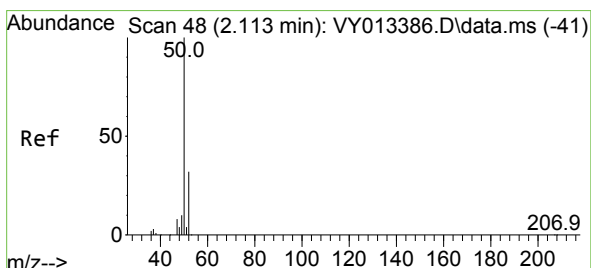
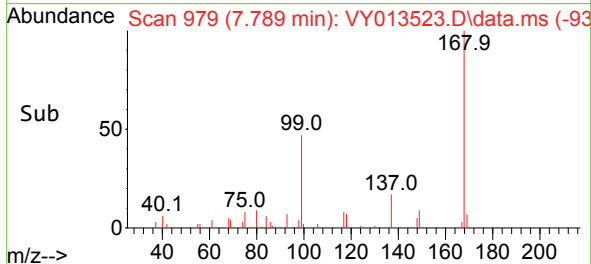
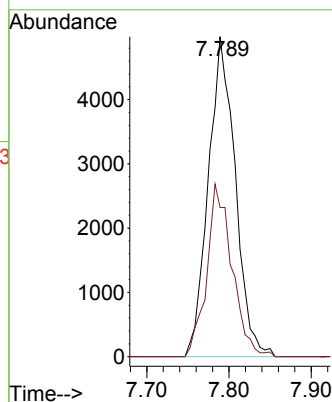
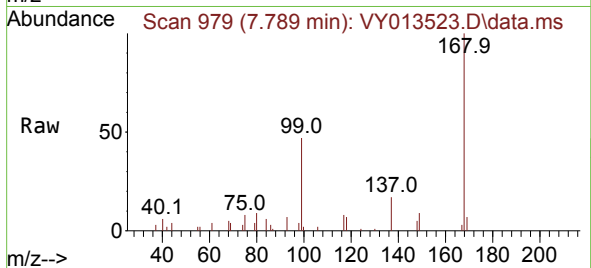




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

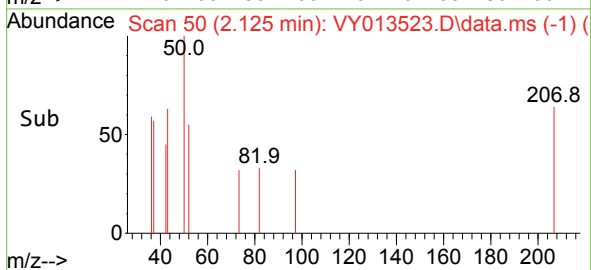
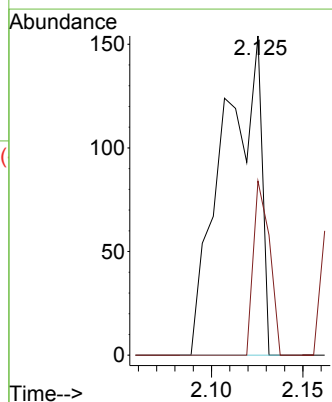
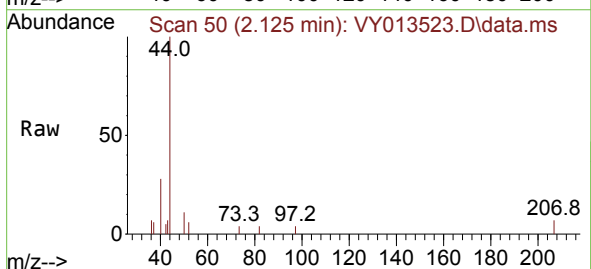
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-02

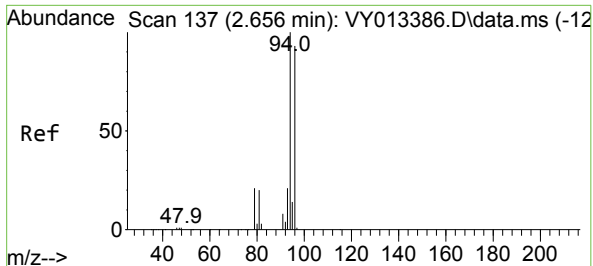
Tgt Ion:168 Resp: 11335
Ion Ratio Lower Upper
168 100
99 46.6 41.8 62.6



#3
Chloromethane
Concen: 1.544 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 54.5 25.9 38.9#

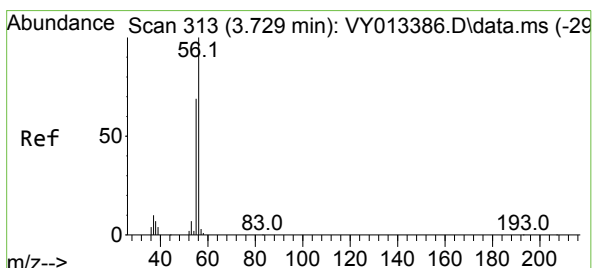
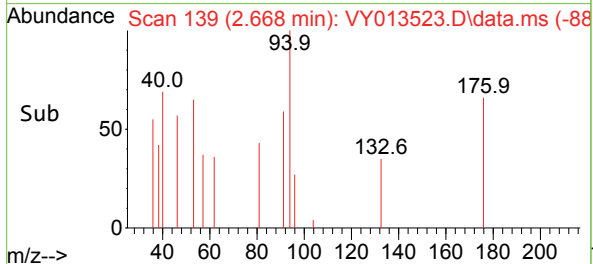
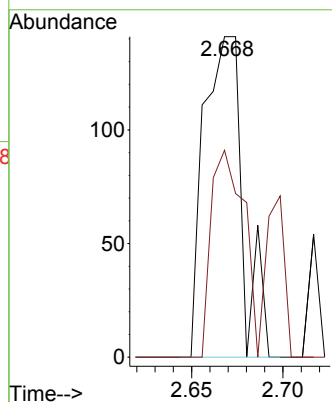
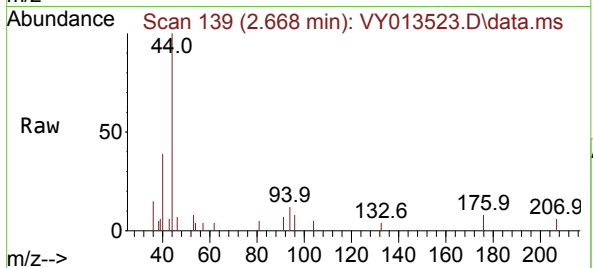




#5
Bromomethane
Concen: 1.815 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

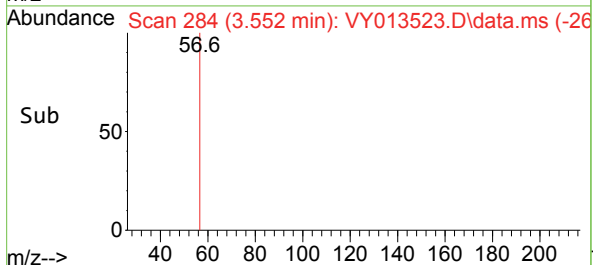
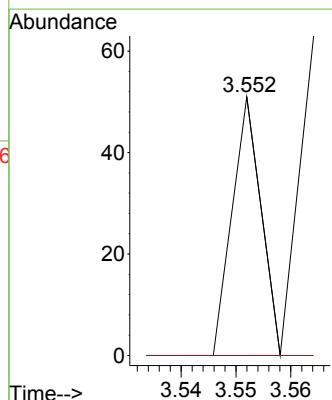
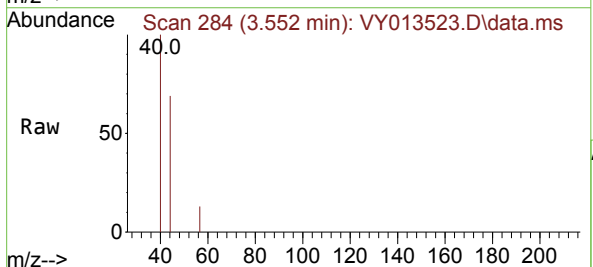
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-02

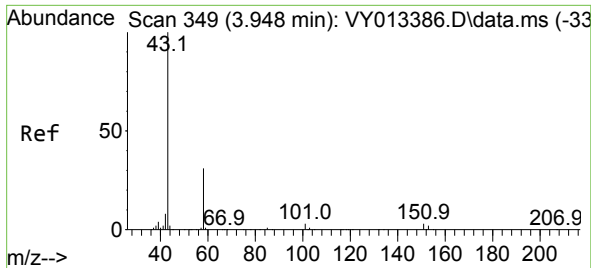
Tgt Ion: 94 Resp: 208
Ion Ratio Lower Upper
94 100
96 64.5 74.2 111.2#



#13
Acrolein
Concen: Below Cal
RT: 3.552 min Scan# 284
Delta R.T. -0.177 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 4.578 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

Instrument :

MSVOA_Y

ClientSampleId :

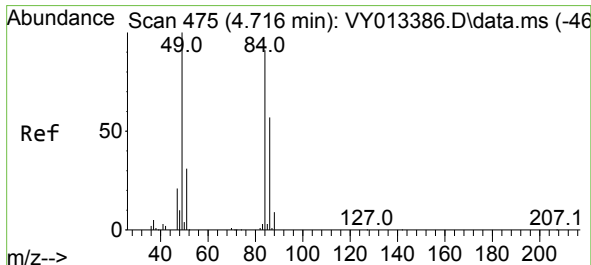
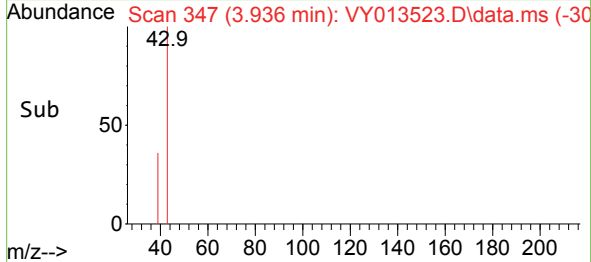
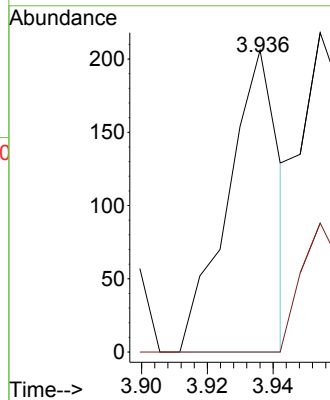
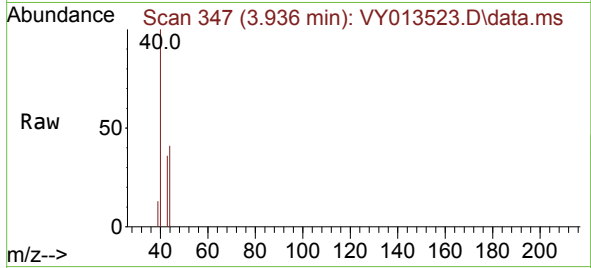
TR-305A-VOC-02

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

Tgt Ion: 84 Resp: 533

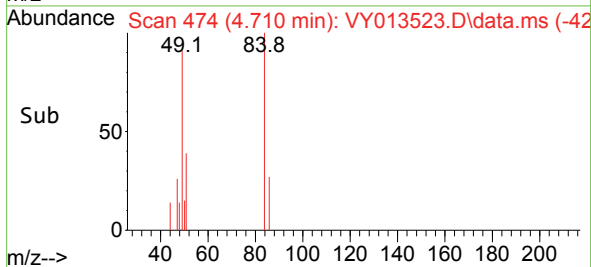
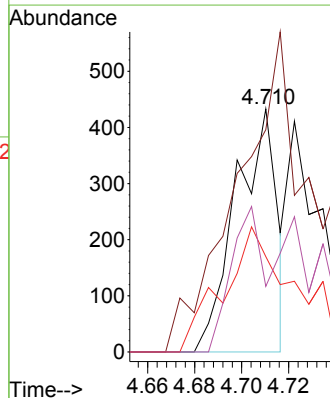
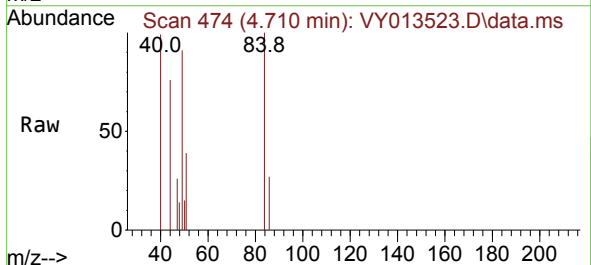
Ion Ratio Lower Upper

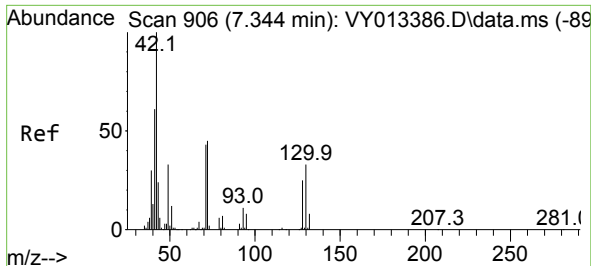
84 100

49 69.3 88.0 132.0#

51 39.3 27.4 41.0

86 27.0 50.4 75.6#





#29

Tetrahydrofuran

Concen: 1.139 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

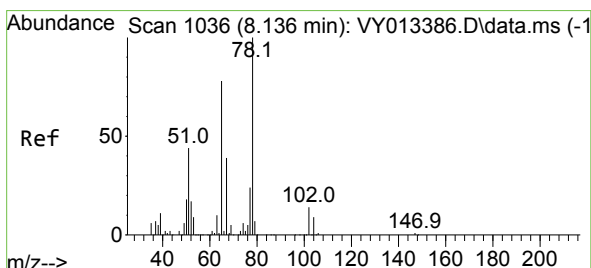
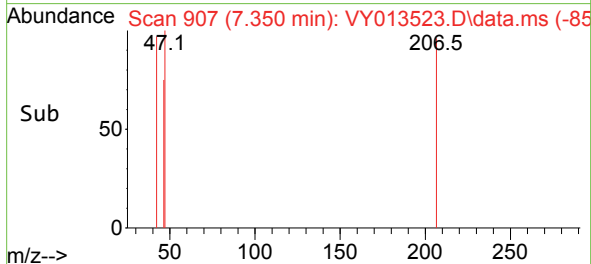
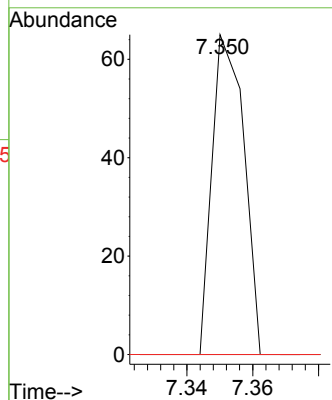
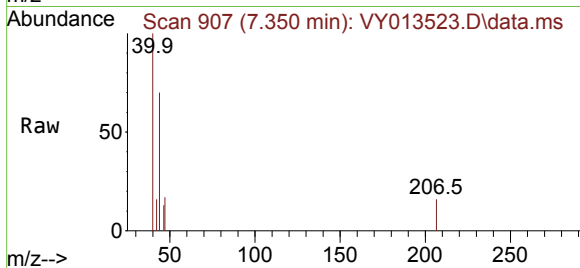
Instrument :

MSVOA_Y

ClientSampleId :

TR-305A-VOC-02

Tgt Ion: 42	Resp:	44
Ion Ratio	Lower	Upper
42	100	
72	0.0	35.9
71	0.0	34.3



#33

1,2-Dichloroethane-d4

Concen: 93.830 ug/l

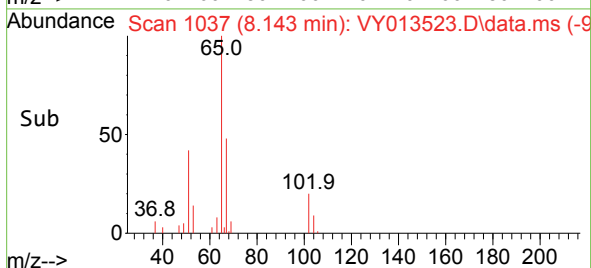
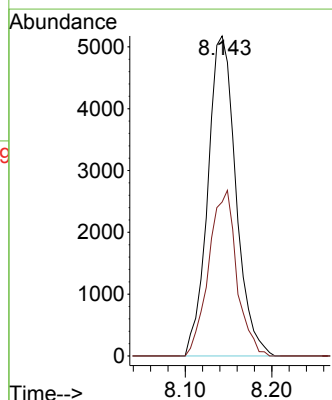
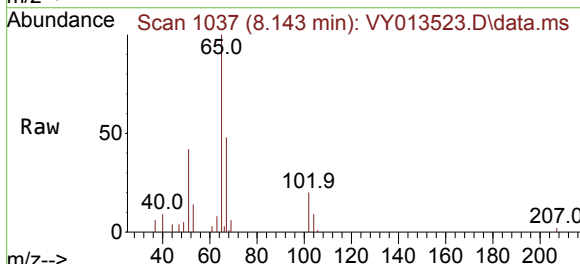
RT: 8.143 min Scan# 1037

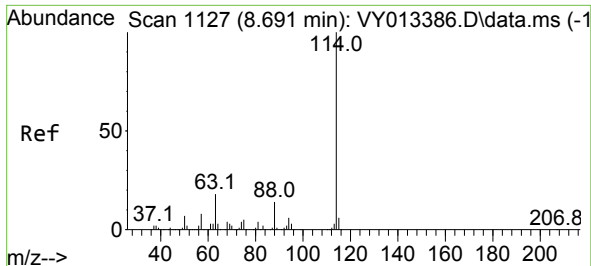
Delta R.T. 0.007 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

Tgt Ion: 65	Resp:	11659
Ion Ratio	Lower	Upper
65	100	
67	51.5	0.0

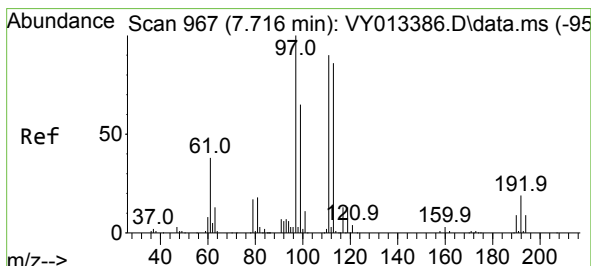
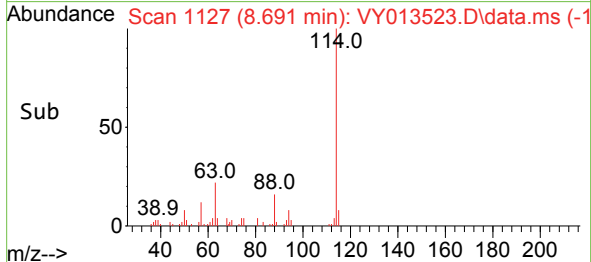
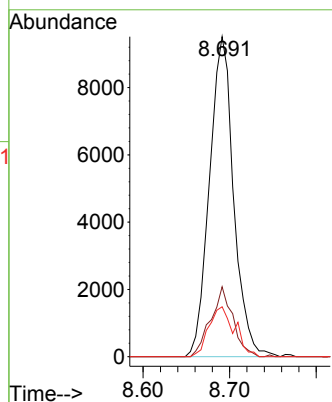
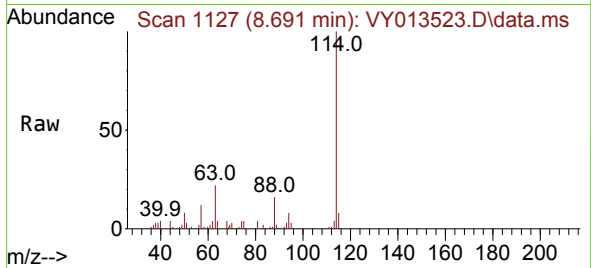




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

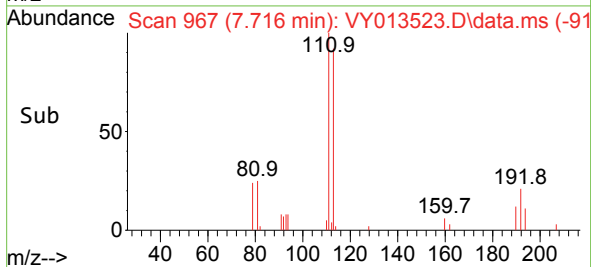
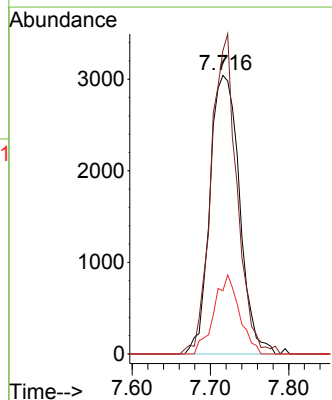
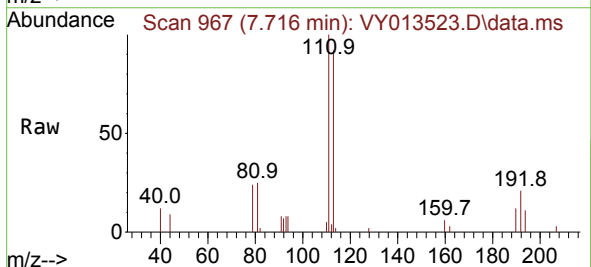
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-02

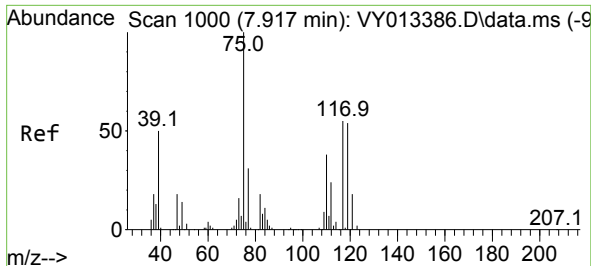
Tgt Ion:114	Resp:	18439
Ion Ratio	Lower	Upper
114	100	
63	21.8	0.0 36.6
88	15.6	0.0 28.8



#35
Dibromofluoromethane
Concen: 68.956 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Tgt Ion:113	Resp:	7997
Ion Ratio	Lower	Upper
113	100	
111	100.3	82.2 123.2
192	24.2	16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013523.D

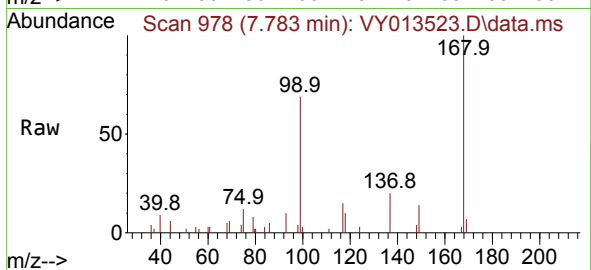
Acq: 28 Apr 2023 14:07

Instrument :

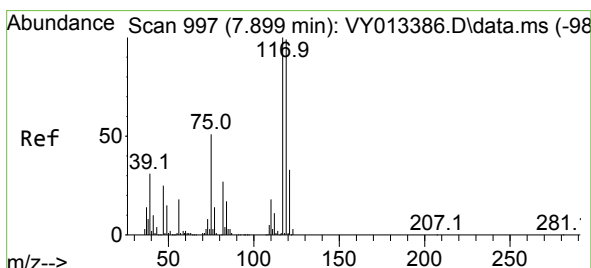
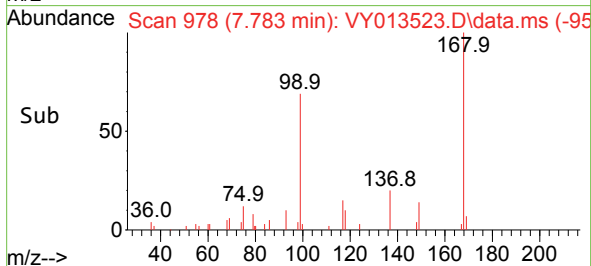
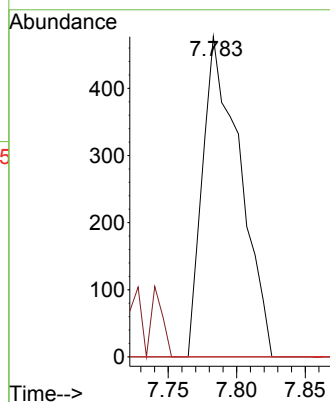
MSVOA_Y

ClientSampleId :

TR-305A-VOC-02



Tgt Ion:	75	Resp:	902
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.7	56.1#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 4.719 ug/l

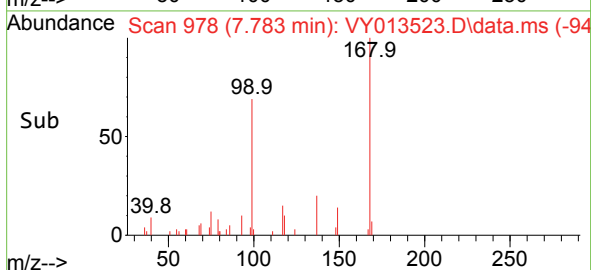
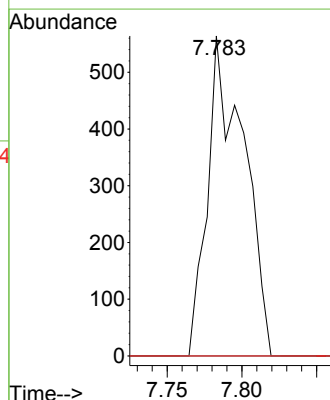
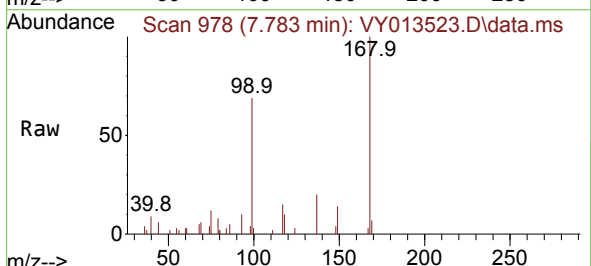
RT: 7.783 min Scan# 978

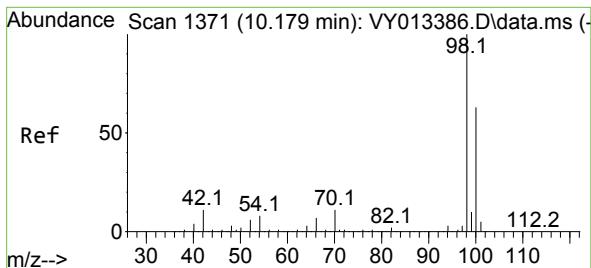
Delta R.T. -0.116 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

Tgt Ion:	117	Resp:	952
Ion	Ratio	Lower	Upper
117	100		
119	0.0	79.0	118.6#
121	0.0	26.6	40.0#

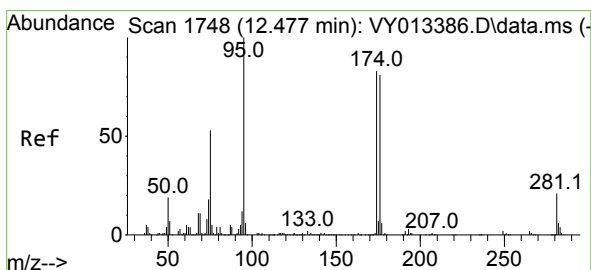
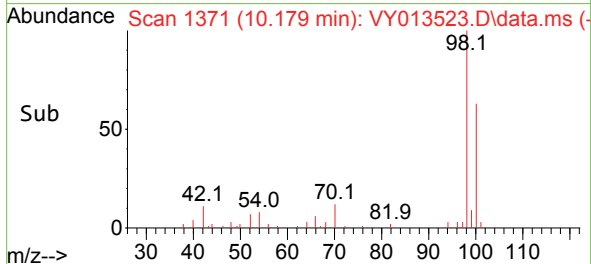
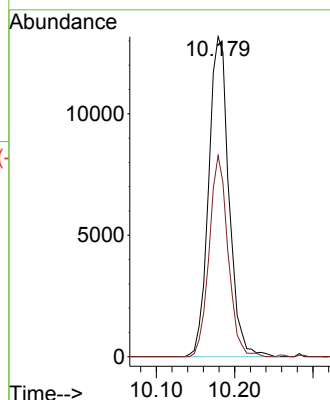
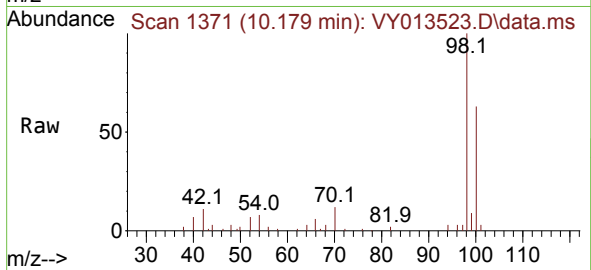




#50
Toluene-d8
Concen: 57.342 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

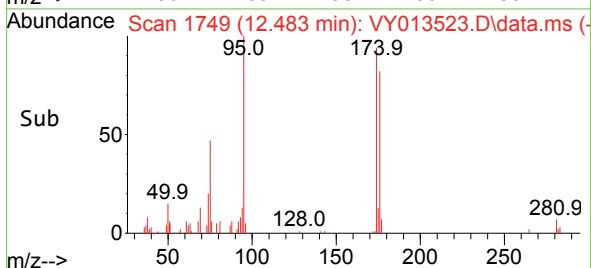
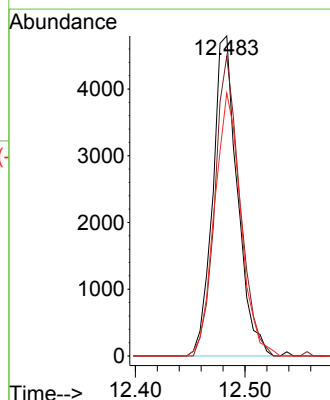
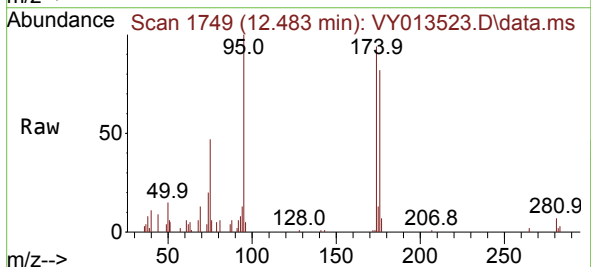
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-02

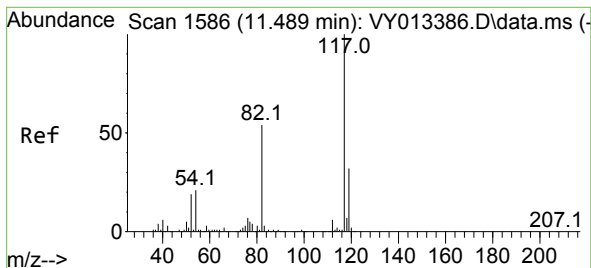
Tgt Ion: 98 Resp: 23657
Ion Ratio Lower Upper
98 100
100 58.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.823 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Tgt Ion: 95 Resp: 7486
Ion Ratio Lower Upper
95 100
174 94.9 0.0 182.0
176 88.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

Instrument :

MSVOA_Y

ClientSampleId :

TR-305A-VOC-02

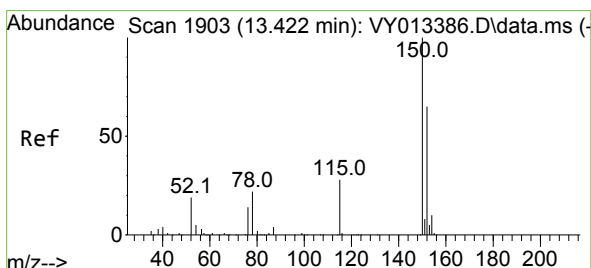
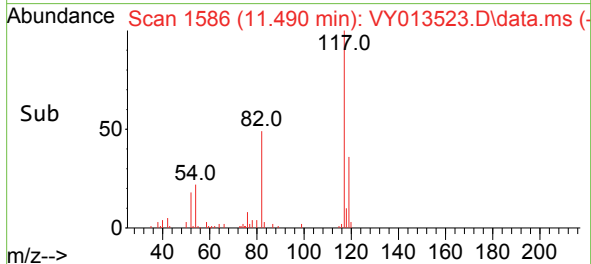
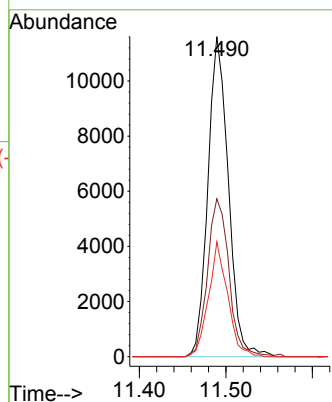
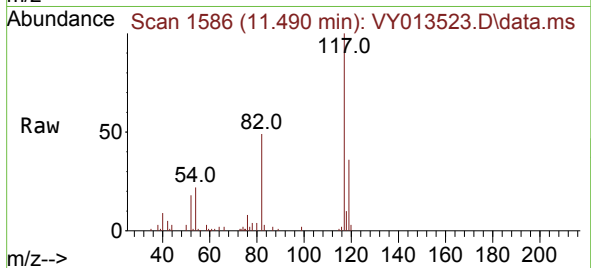
Tgt Ion:117 Resp: 19051

Ion Ratio Lower Upper

117 100

82 49.4 43.0 64.6

119 35.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013523.D

Acq: 28 Apr 2023 14:07

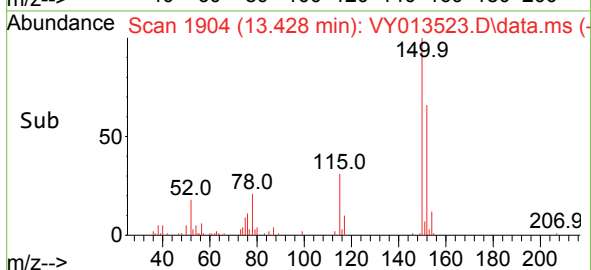
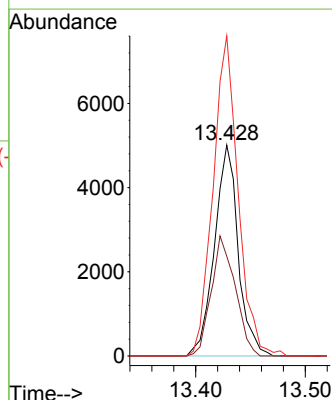
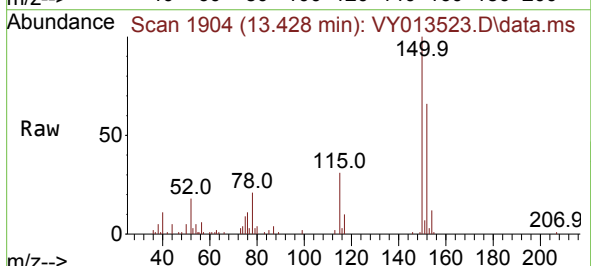
Tgt Ion:152 Resp: 7543

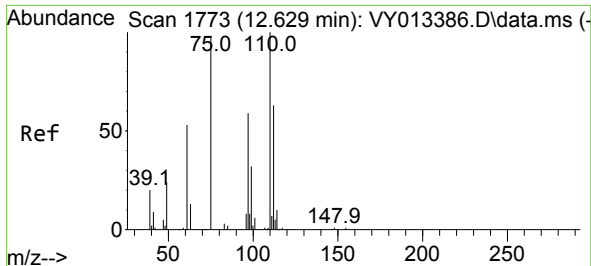
Ion Ratio Lower Upper

152 100

115 57.4 28.1 84.2

150 159.8 0.0 352.0

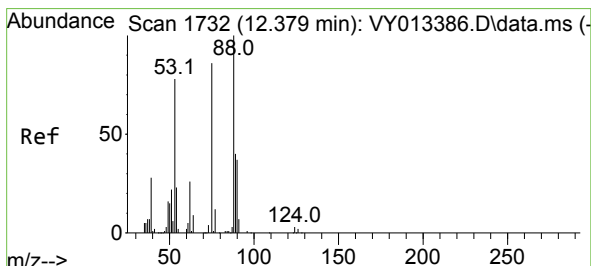
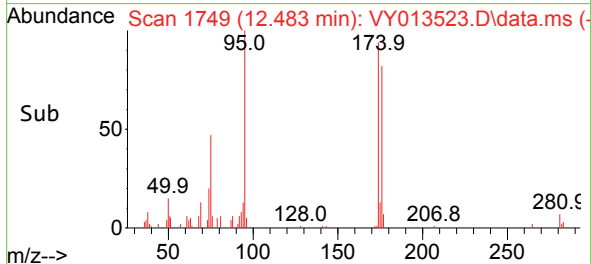
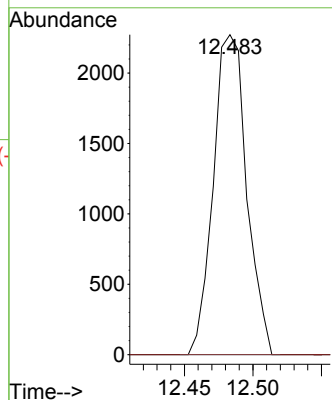
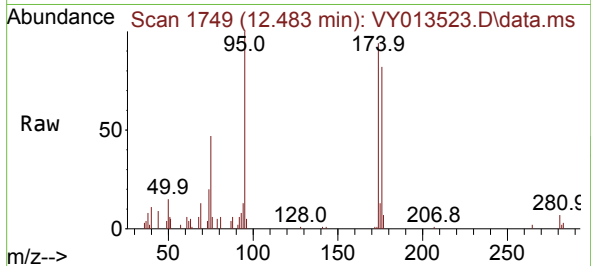




#76
1,2,3-Trichloropropane
Concen: 37.856 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-02

Tgt Ion: 75 Resp: 3851
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 77.437 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013523.D
Acq: 28 Apr 2023 14:07

Tgt Ion: 75 Resp: 3851
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

