

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078591.D
 Acq On : 04 Mar 2024 17:08
 Operator : RP/MD
 Sample : P1672-15
 Misc : 4.75G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13-VOC

Quant Time: Mar 05 04:16:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

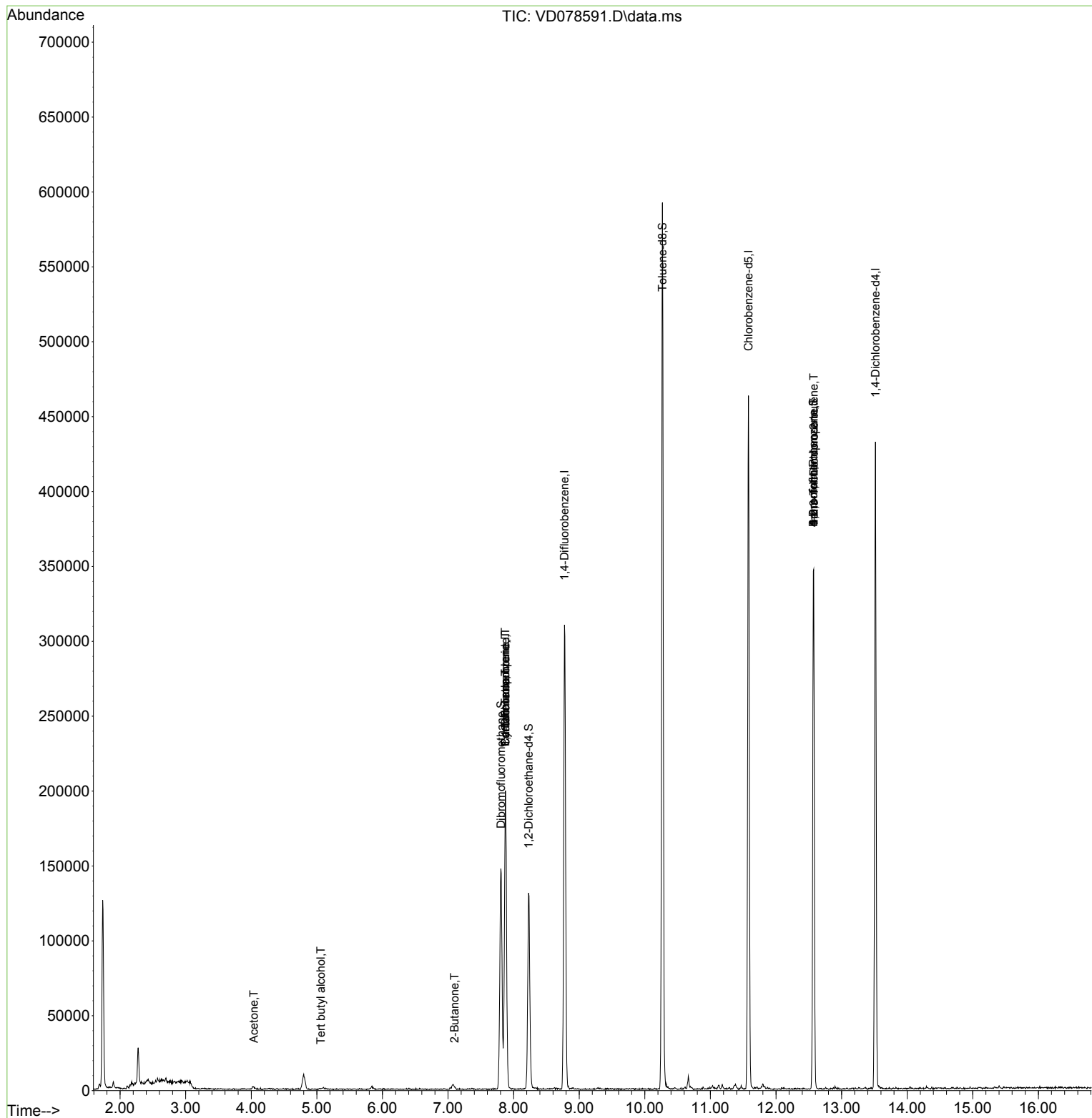
Internal Standards						
1) Pentafluorobenzene	7.875	168	156485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	287861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	268311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	98598	63.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.120%	
35) Dibromofluoromethane	7.810	113	108324	57.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.700%	
50) Toluene-d8	10.269	98	400099	54.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.980%	
62) 4-Bromofluorobenzene	12.569	95	105114	50.579	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	59	Below Cal	#	43
3) Chloromethane	2.158	50	124	Below Cal	#	41
11) Tert butyl alcohol	5.058	59	920	8.891	ug/l #	73
16) Acetone	4.040	43	2857	9.614	ug/l	92
20) Methylene Chloride	4.799	84	7296	Below Cal	#	76
25) 2-Butanone	7.099	43	527	1.406	ug/l #	37
31) Cyclohexane	7.875	56	3656	1.506	ug/l #	61
36) 1,1-Dichloropropene	7.875	75	12319	4.754	ug/l #	47
38) Carbon Tetrachloride	7.875	117	14046	5.183	ug/l #	15
71) Bromoform	12.569	173	1410	1.347	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	55874	63.320	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	55874	135.532	ug/l #	17

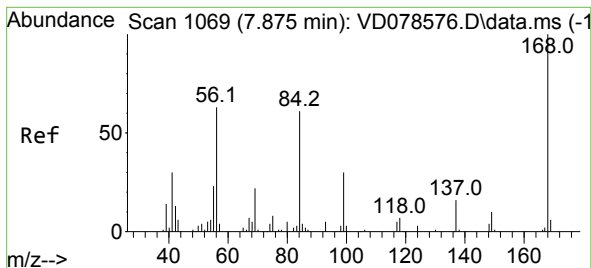
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
Data File : VD078591.D
Acq On : 04 Mar 2024 17:08
Operator : RP/MD
Sample : P1672-15
Misc : 4.75G/5ml/MSVOA_D/SOIL/A
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13-VOC

Quant Time: Mar 05 04:16:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 03:50:17 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

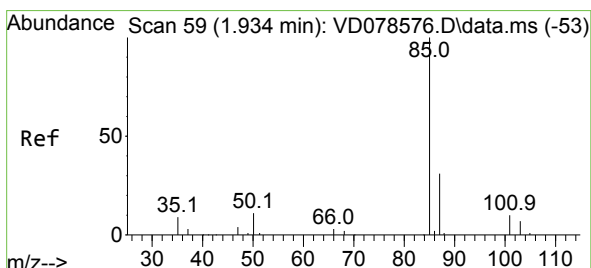
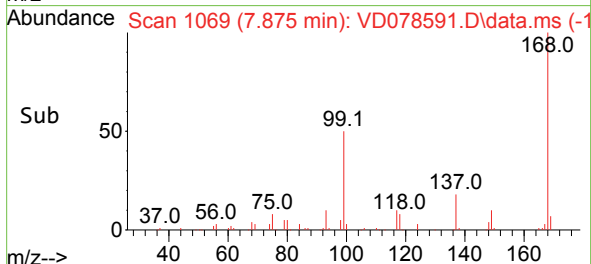
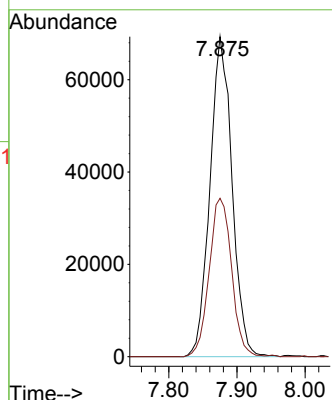
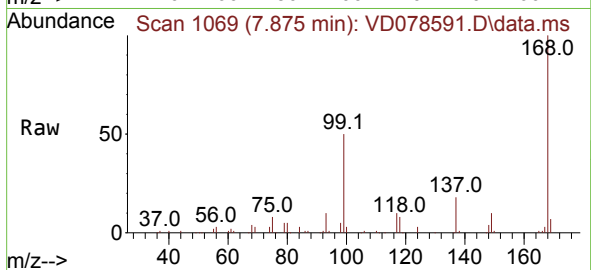
TP-13-VOC

Tgt Ion:168 Resp: 156485

Ion Ratio Lower Upper

168 100

99 49.5 36.7 55.1



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD078591.D

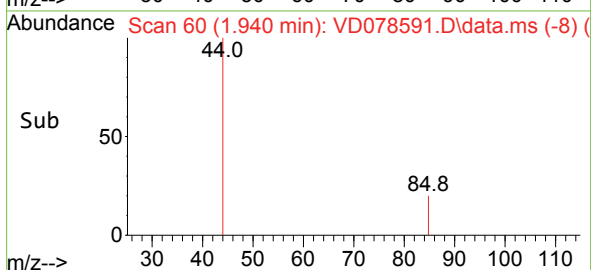
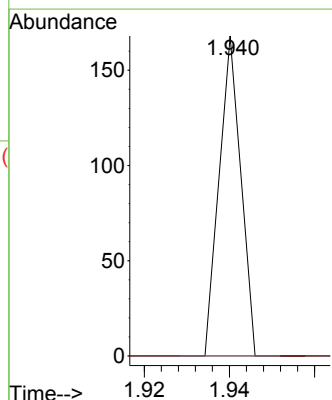
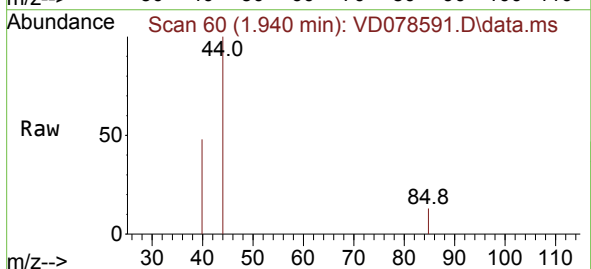
Acq: 04 Mar 2024 17:08

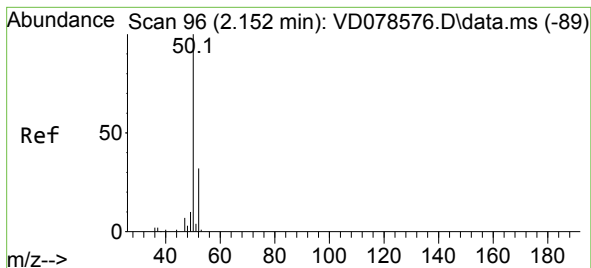
Tgt Ion: 85 Resp: 59

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#





#3

Chloromethane

Concen: Below Cal

RT: 2.158 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

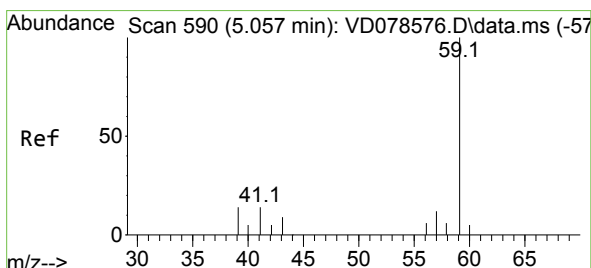
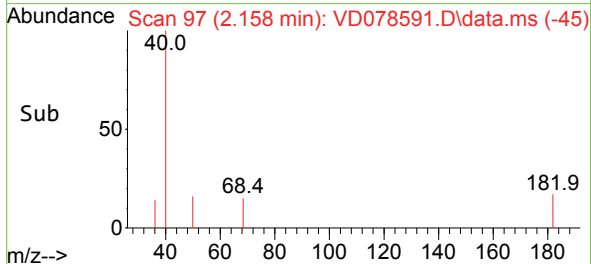
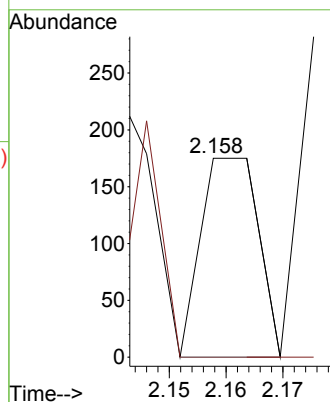
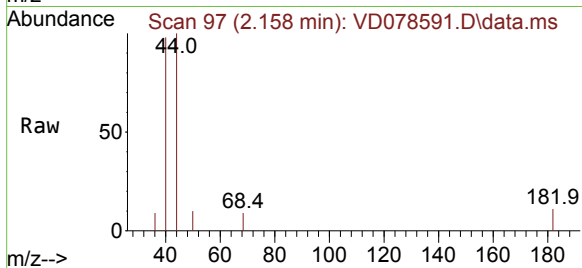
TP-13-VOC

Tgt Ion: 50 Resp: 124

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 8.891 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.001 min

Lab File: VD078591.D

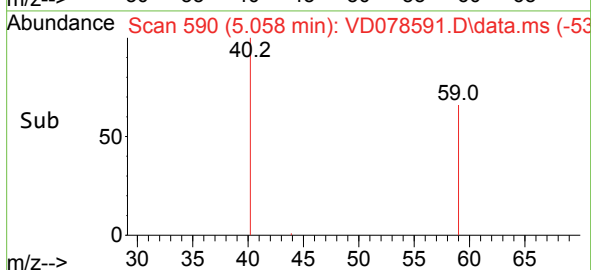
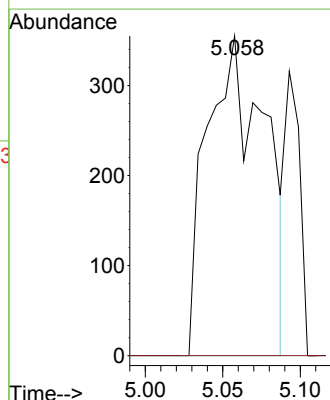
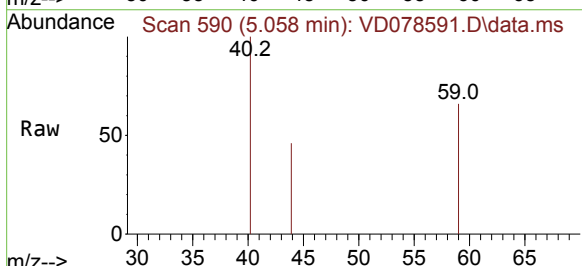
Acq: 04 Mar 2024 17:08

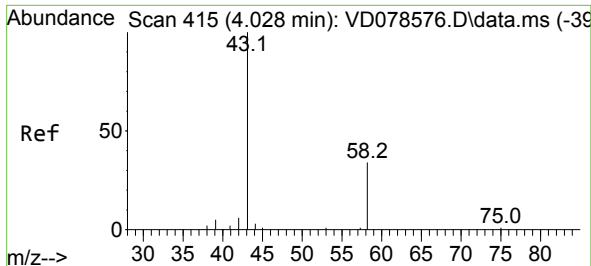
Tgt Ion: 59 Resp: 920

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 9.614 ug/l

RT: 4.040 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

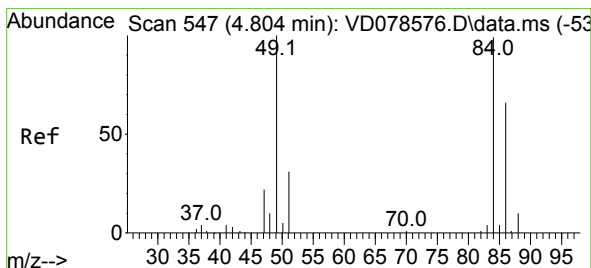
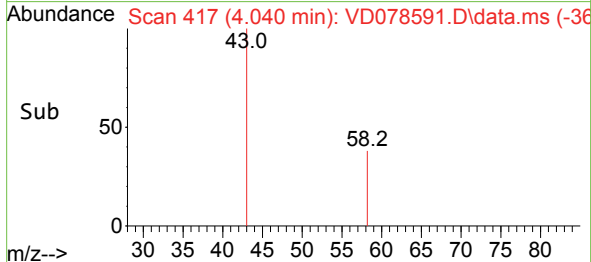
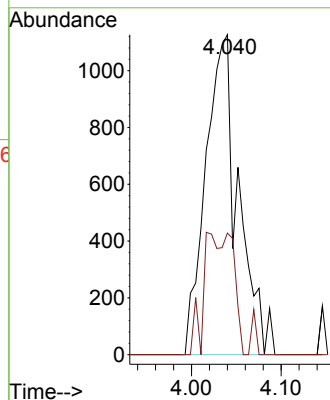
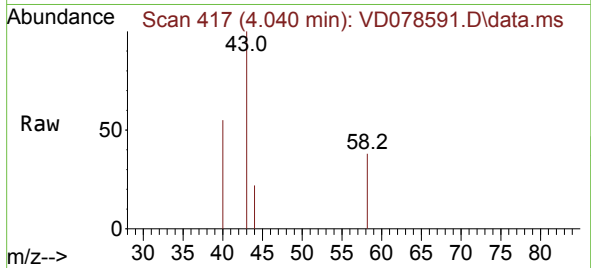
TP-13-VOC

Tgt Ion: 43 Resp: 2857

Ion Ratio Lower Upper

43 100

58 38.0 34.7 52.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.005 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Tgt Ion: 84 Resp: 7296

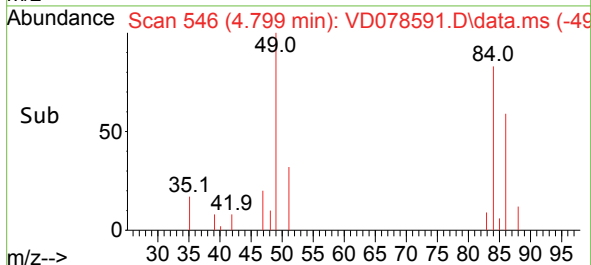
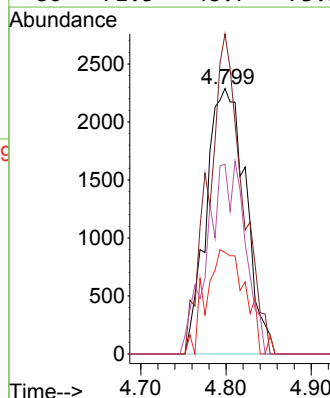
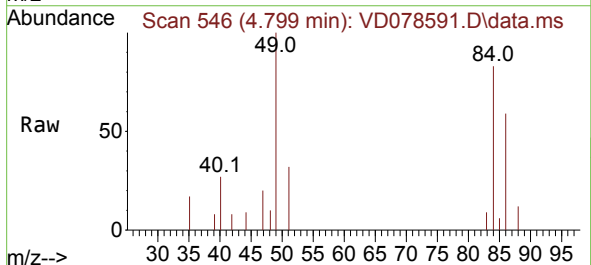
Ion Ratio Lower Upper

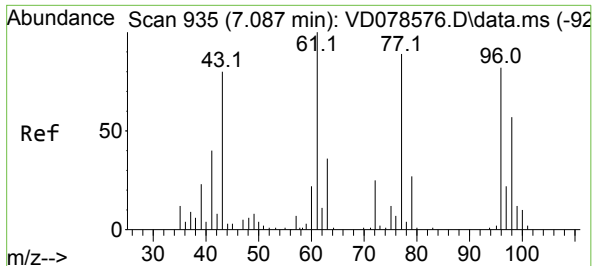
84 100

49 120.6 71.4 107.2#

51 38.2 24.5 36.7#

86 71.5 48.7 73.1





#25

2-Butanone

Concen: 1.406 ug/l

RT: 7.099 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

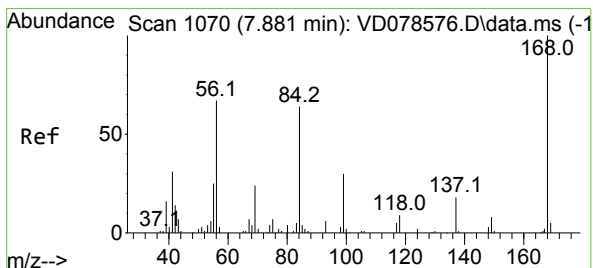
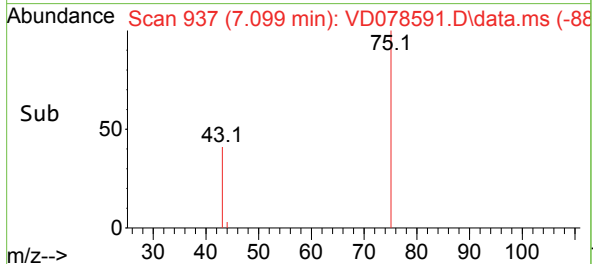
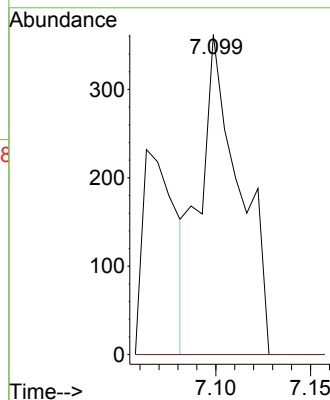
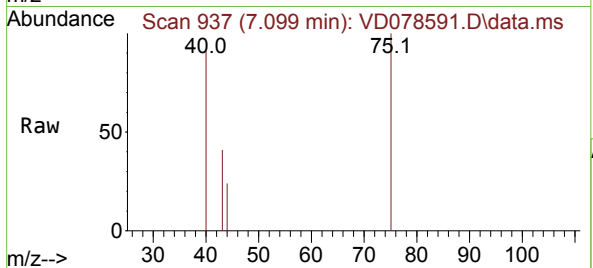
TP-13-VOC

Tgt Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.506 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

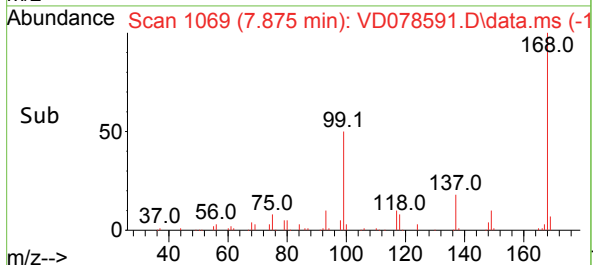
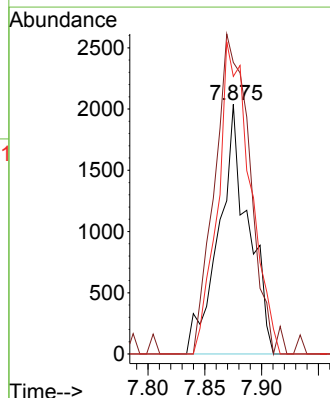
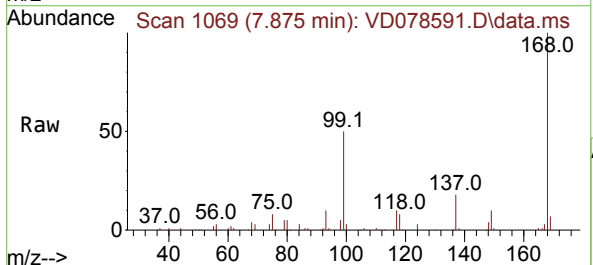
Tgt Ion: 56 Resp: 3656

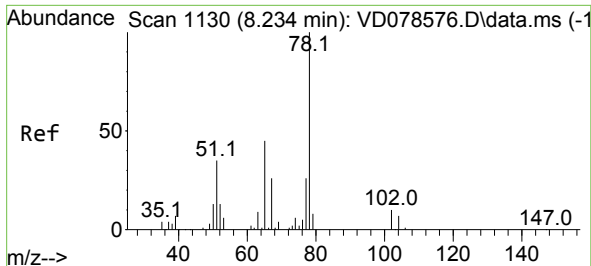
Ion Ratio Lower Upper

56 100

69 116.8 28.6 43.0#

84 111.2 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 63.562 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

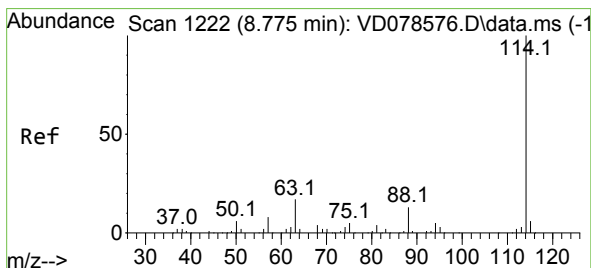
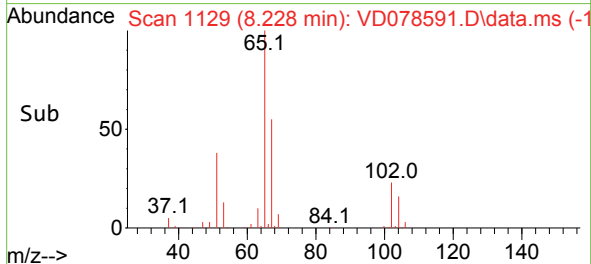
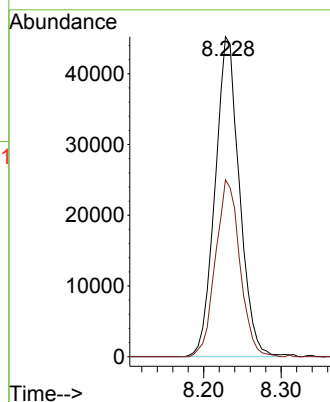
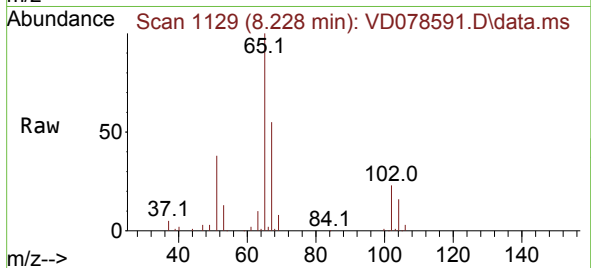
TP-13-VOC

Tgt Ion: 65 Resp: 98598

Ion Ratio Lower Upper

65 100

67 55.4 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

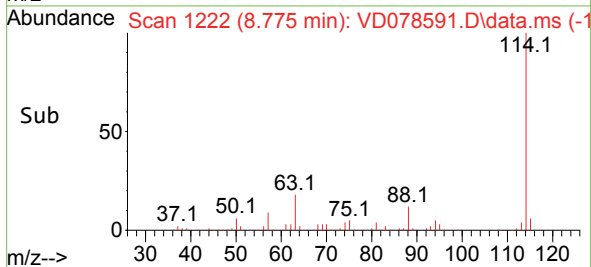
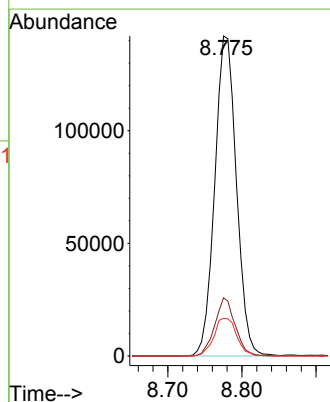
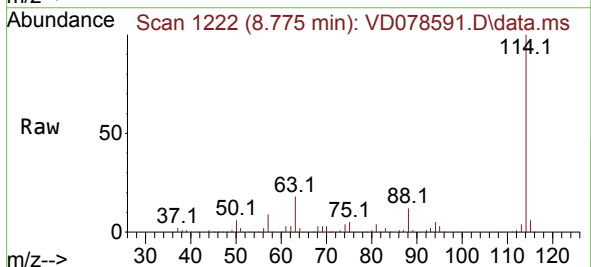
Tgt Ion: 114 Resp: 287861

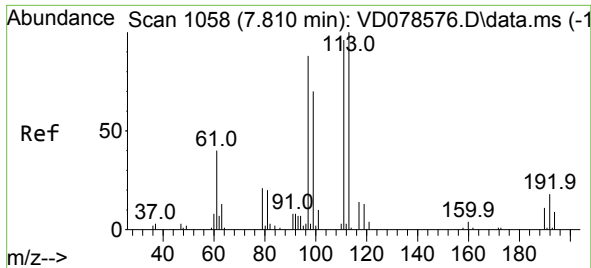
Ion Ratio Lower Upper

114 100

63 18.2 0.0 33.4

88 11.8 0.0 26.2

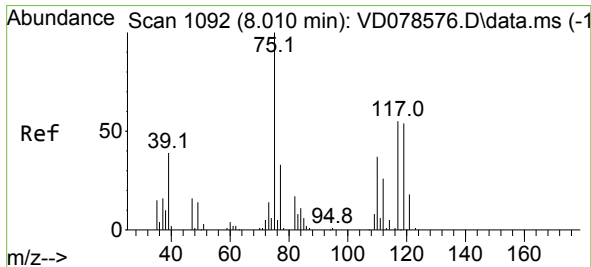
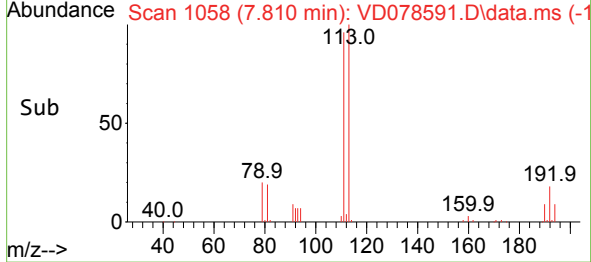
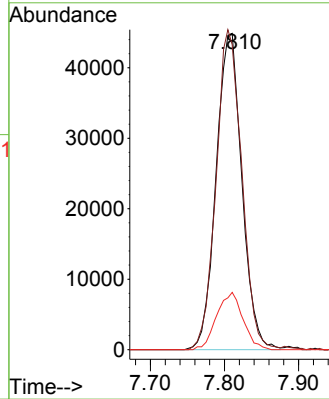
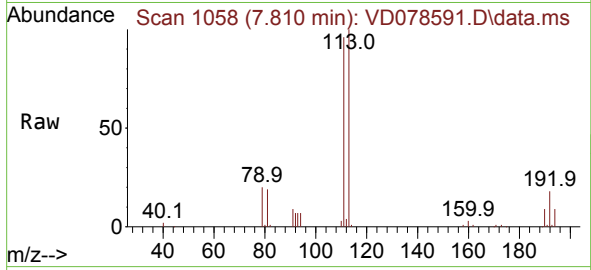




#35
Dibromofluoromethane
Concen: 57.849 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

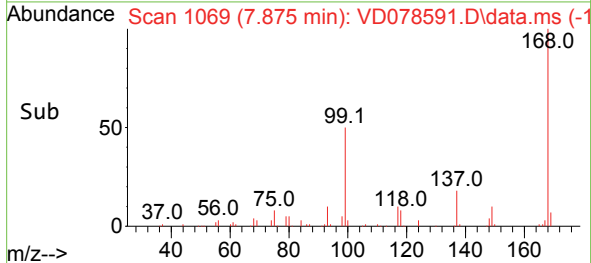
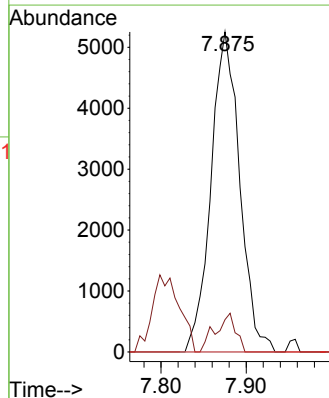
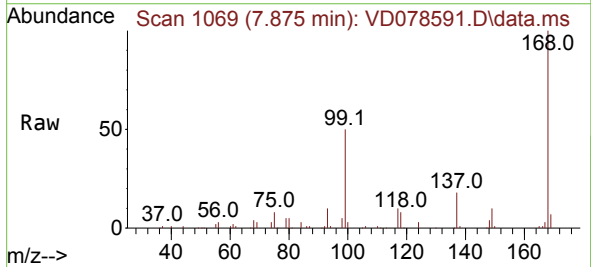
Instrument :
MSVOA_D
ClientSampleId :
TP-13-VOC

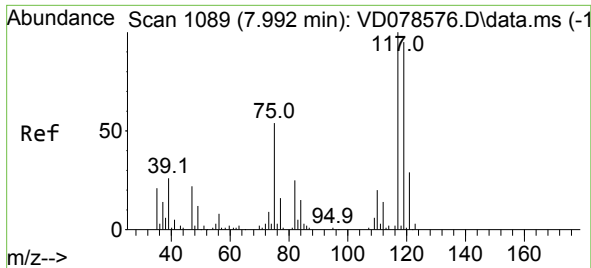
Tgt Ion:113 Resp: 108324
Ion Ratio Lower Upper
113 100
111 100.6 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

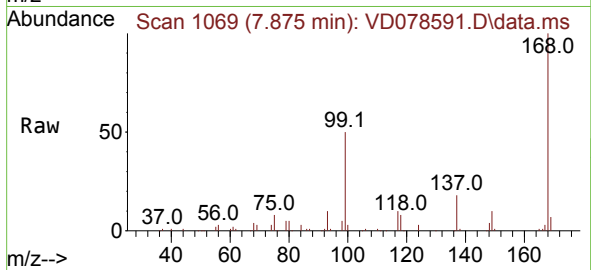
Tgt Ion: 75 Resp: 12319
Ion Ratio Lower Upper
75 100
110 8.5 19.9 59.6#
77 0.0 24.7 37.1#



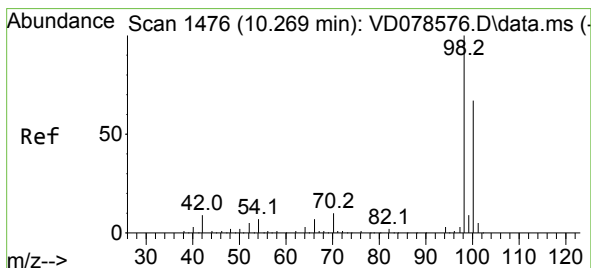
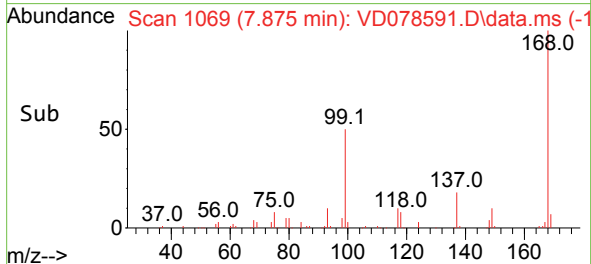
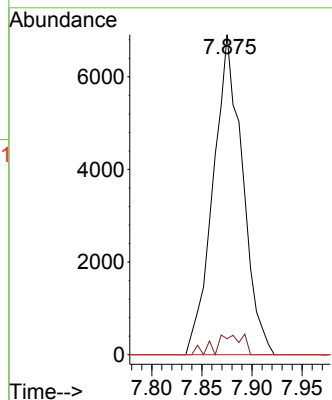


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

Instrument :
MSVOA_D
ClientSampleId :
TP-13-VOC

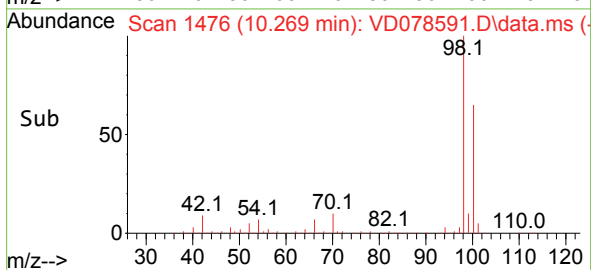
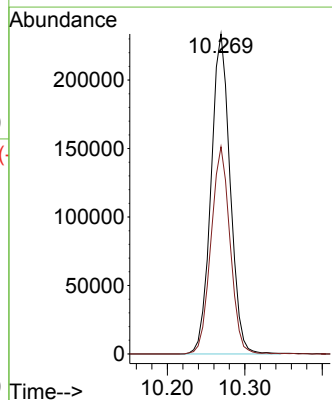
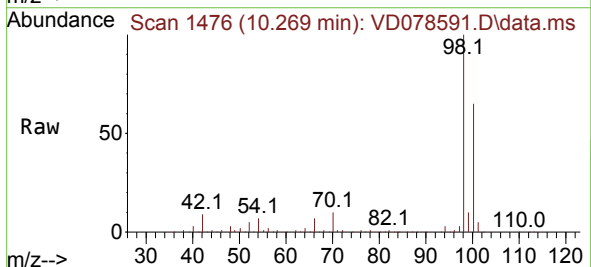


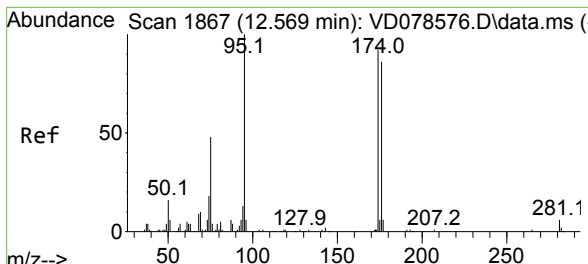
Tgt Ion:117 Resp: 14046
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 54.987 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

Tgt Ion: 98 Resp: 400099
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5

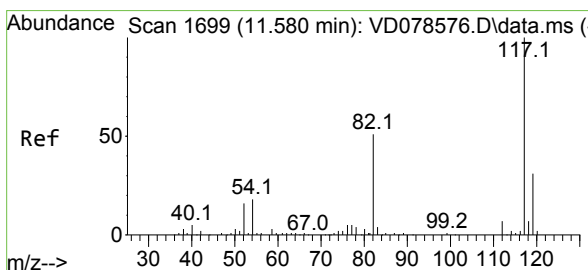
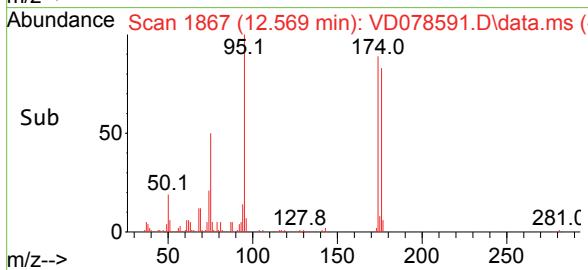
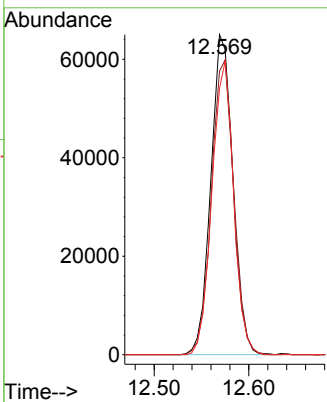
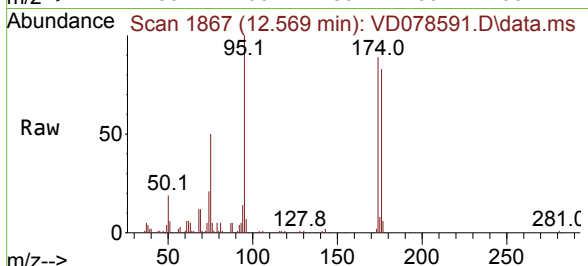




#62
 4-Bromofluorobenzene
 Concen: 50.579 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VD078591.D
 Acq: 04 Mar 2024 17:08

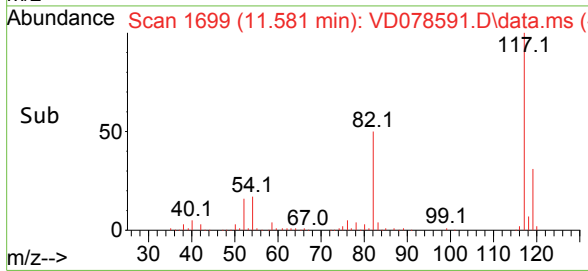
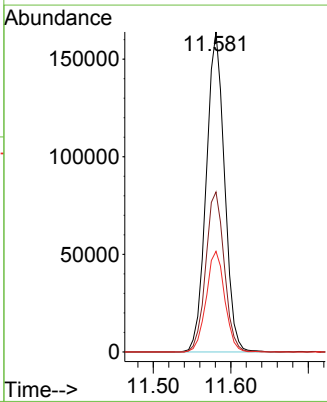
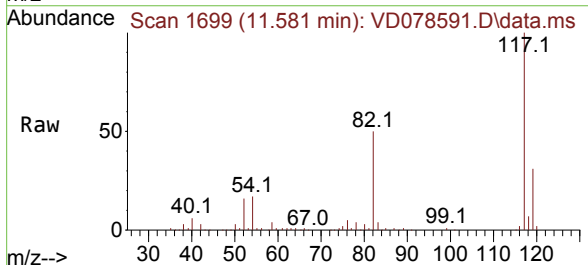
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-13-VOC

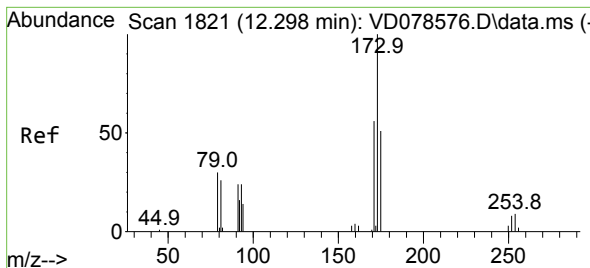
Tgt Ion:	95	Resp:	105114
Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	201.8
176	89.9	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD078591.D
 Acq: 04 Mar 2024 17:08

Tgt Ion:	117	Resp:	268311
Ion	Ratio	Lower	Upper
117	100		
82	50.0	38.3	57.5
119	31.5	25.0	37.4





#71

Bromoform

Concen: 1.347 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

Instrument :

MSVOA_D

ClientSampleId :

TP-13-VOC

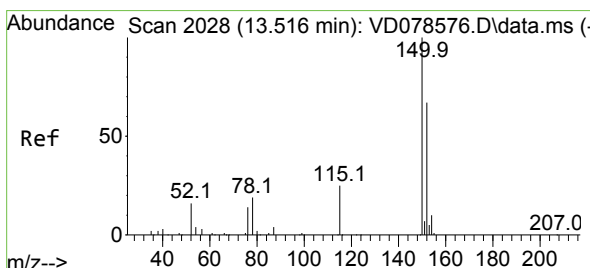
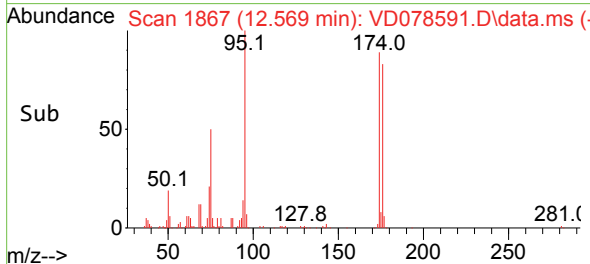
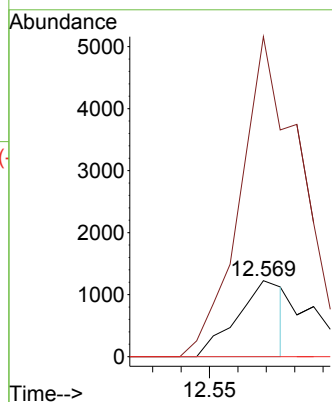
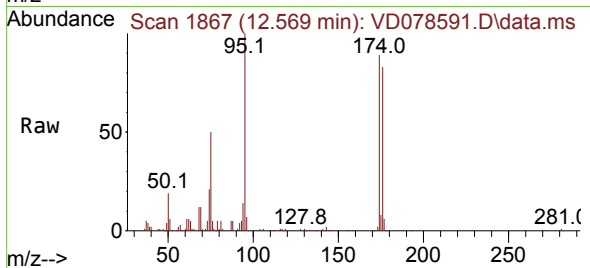
Tgt Ion:173 Resp: 1410

Ion Ratio Lower Upper

173 100

175 369.3 24.6 73.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078591.D

Acq: 04 Mar 2024 17:08

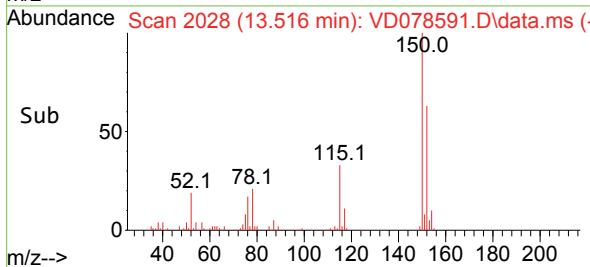
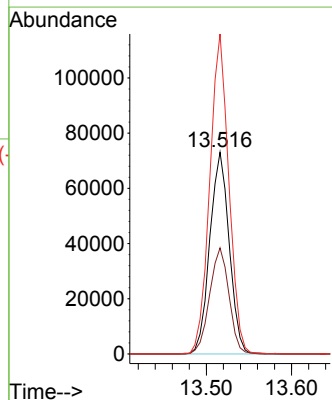
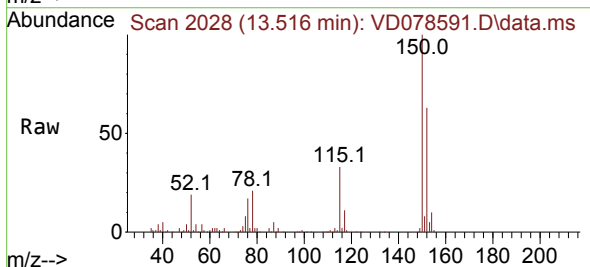
Tgt Ion:152 Resp: 115538

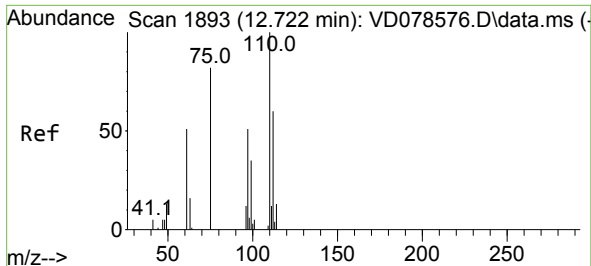
Ion Ratio Lower Upper

152 100

115 52.4 27.1 81.3

150 155.7 0.0 353.6

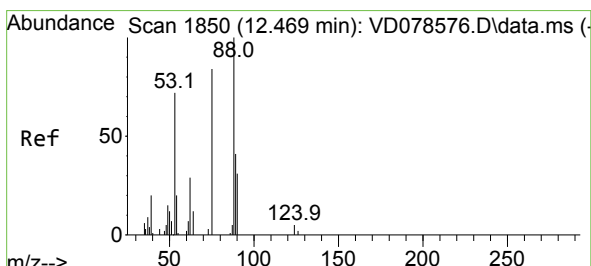
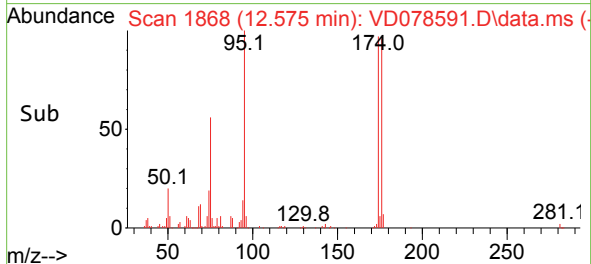
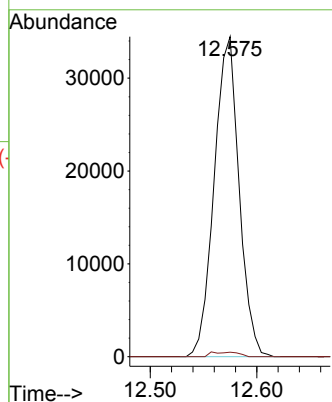
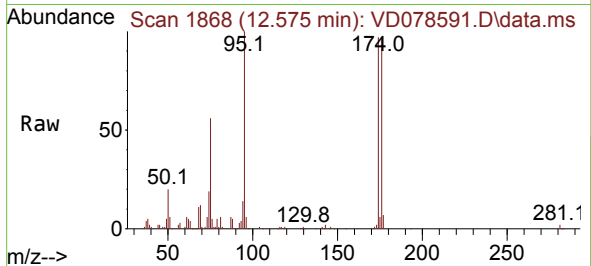




#76
1,2,3-Trichloropropane
Concen: 63.320 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

Instrument :
MSVOA_D
ClientSampleId :
TP-13-VOC

Tgt Ion: 75 Resp: 55874
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.532 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078591.D
Acq: 04 Mar 2024 17:08

Tgt Ion: 75 Resp: 55874
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

