

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078587.D
 Acq On : 04 Mar 2024 15:17
 Operator : RP/MD
 Sample : P1639-01
 Misc : 5.06G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5

Quant Time: Mar 05 04:14:33 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)

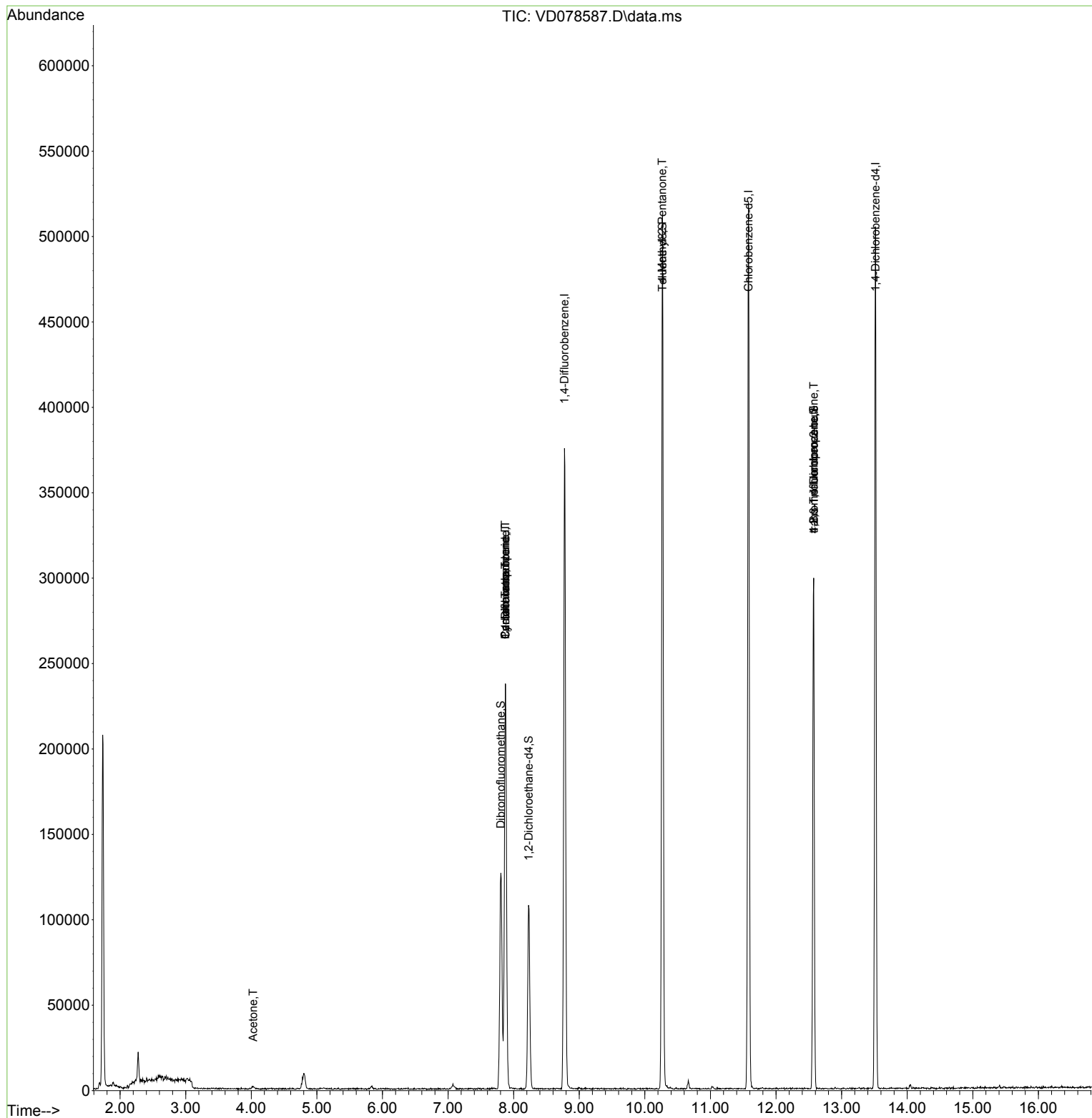
Internal Standards						
1) Pentafluorobenzene	7.875	168	186168	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	342944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	314579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82114	44.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.000%
35) Dibromofluoromethane	7.804	113	93203	41.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.560%
50) Toluene-d8	10.269	98	353534	40.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.560%
62) 4-Bromofluorobenzene	12.575	95	92702	37.442	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.158	50	426	Below Cal	#	41
16) Acetone	4.028	43	2029	5.739	ug/l	98
20) Methylene Chloride	4.793	84	7687	Below Cal		94
31) Cyclohexane	7.875	56	3850	1.333	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	14730	4.772	ug/l	# 50
38) Carbon Tetrachloride	7.875	117	18528	5.738	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.263	43	1009	1.019	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	46686	45.457	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	46686	97.298	ug/l	# 17

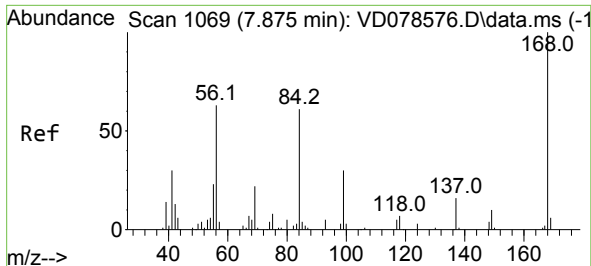
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

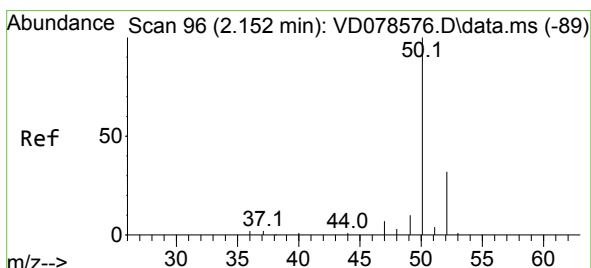
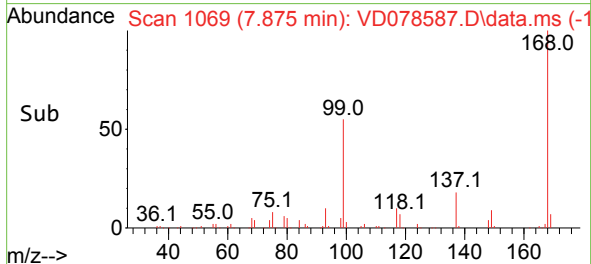
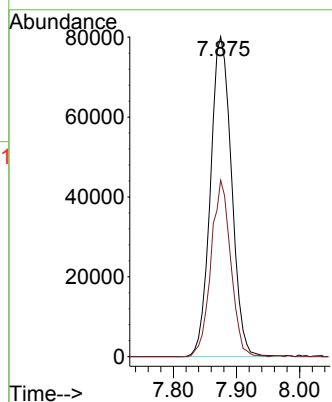
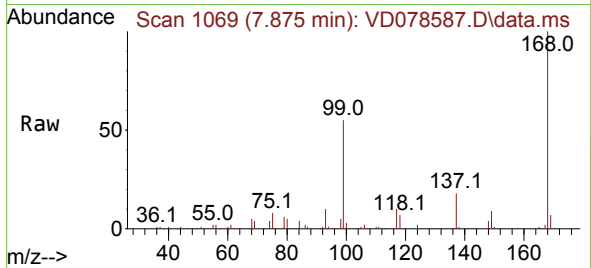




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

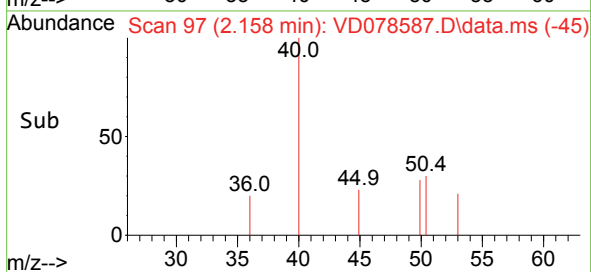
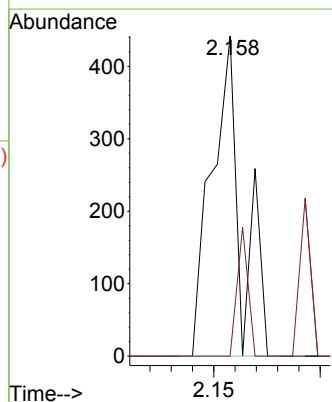
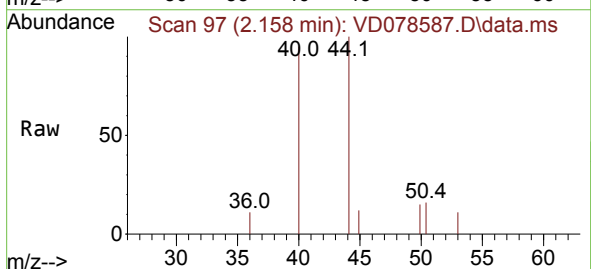
Instrument :
MSVOA_D
ClientSampleId :
SP-5

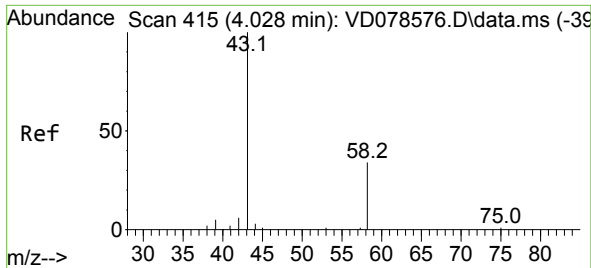
Tgt Ion:168 Resp: 186168
Ion Ratio Lower Upper
168 100
99 55.1 36.7 55.1#



#3
Chloromethane
Concen: Below Cal
RT: 2.158 min Scan# 97
Delta R.T. 0.006 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#16

Acetone

Concen: 5.739 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

Instrument :

MSVOA_D

ClientSampleId :

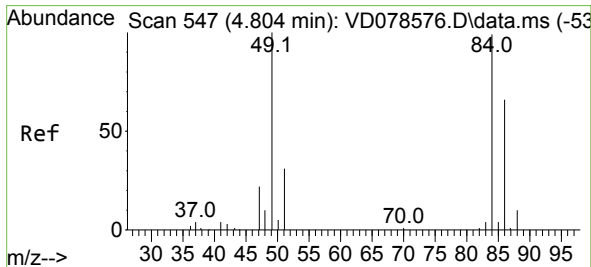
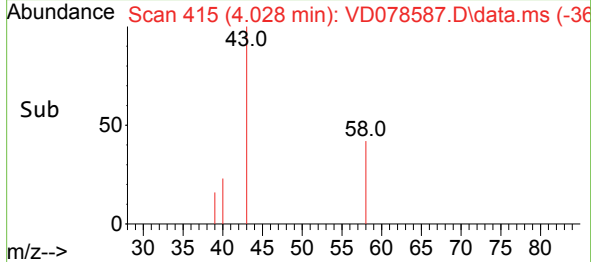
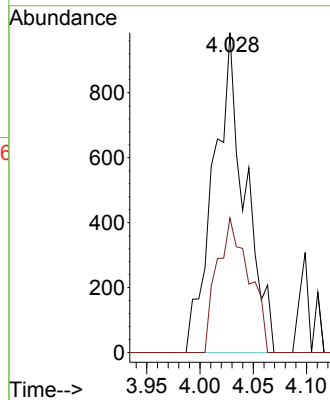
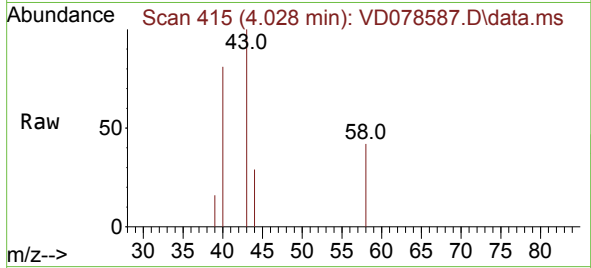
SP-5

Tgt Ion: 43 Resp: 2029

Ion Ratio Lower Upper

43 100

58 42.0 34.7 52.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.793 min Scan# 545

Delta R.T. -0.011 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

Tgt Ion: 84 Resp: 7687

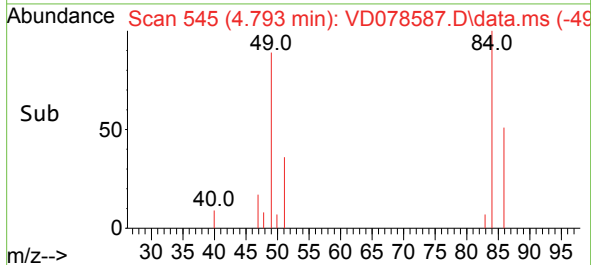
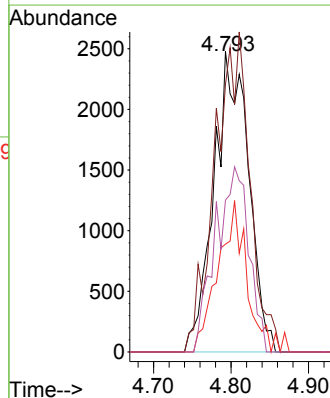
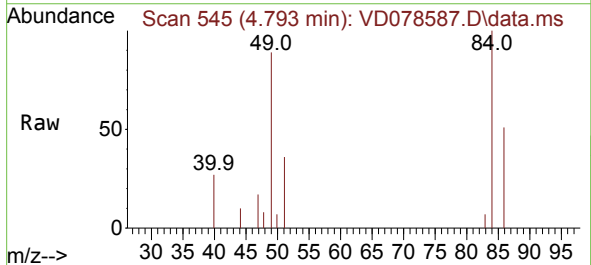
Ion Ratio Lower Upper

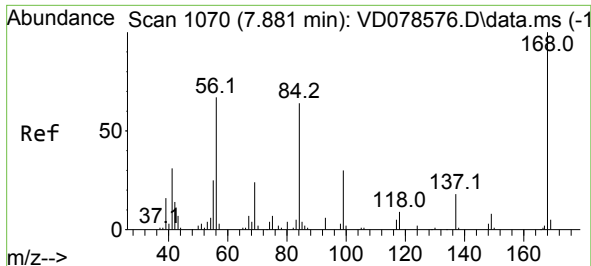
84 100

49 89.1 71.4 107.2

51 35.9 24.5 36.7

86 50.5 48.7 73.1

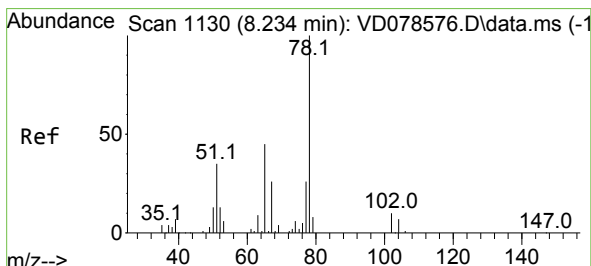
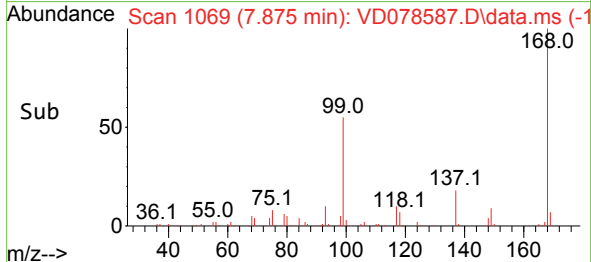
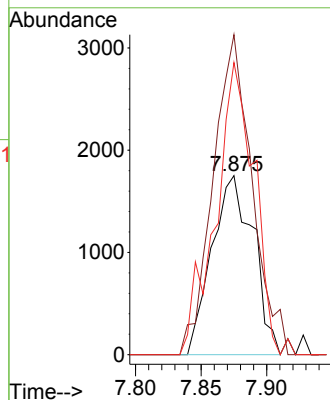
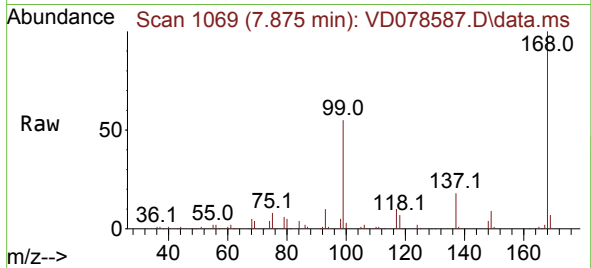




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

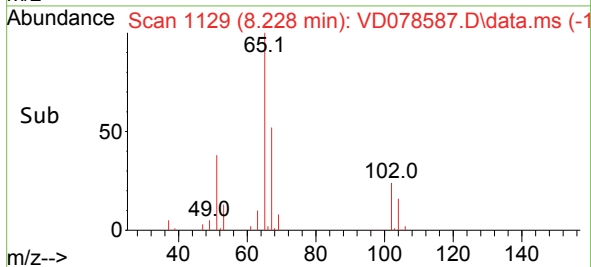
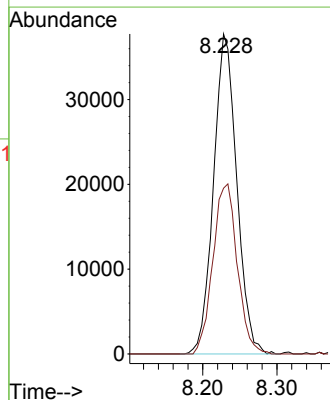
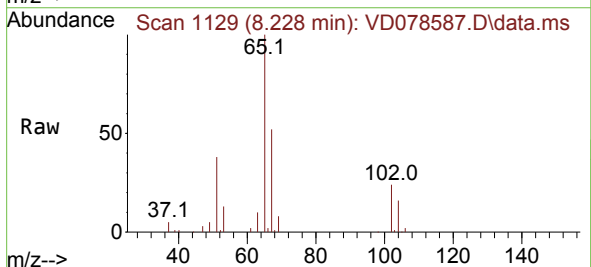
Instrument :
MSVOA_D
ClientSampleId :
SP-5

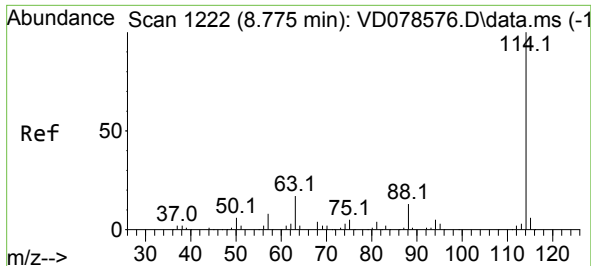
Tgt Ion: 56 Resp: 3850
Ion Ratio Lower Upper
56 100
69 178.8 28.6 43.0#
84 163.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 44.495 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

Tgt Ion: 65 Resp: 82114
Ion Ratio Lower Upper
65 100
67 55.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

Instrument :

MSVOA_D

ClientSampleId :

SP-5

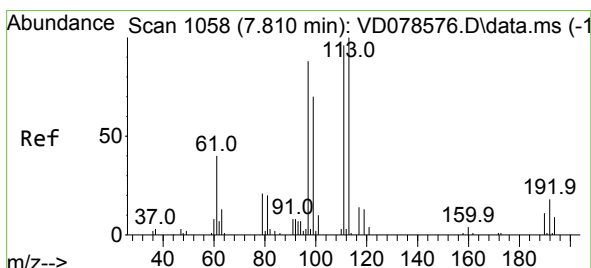
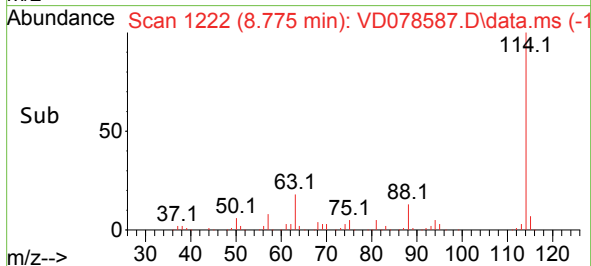
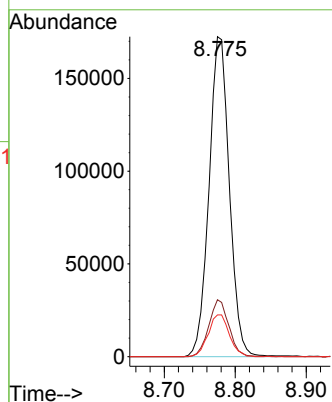
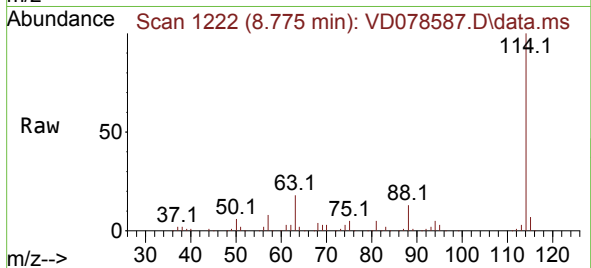
Tgt Ion:114 Resp: 342944

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.780 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

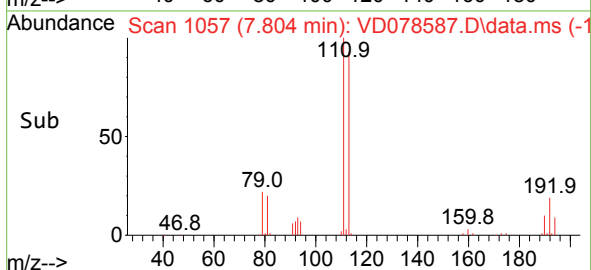
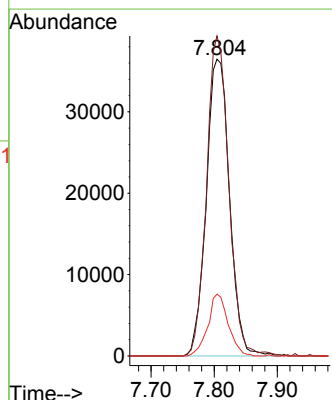
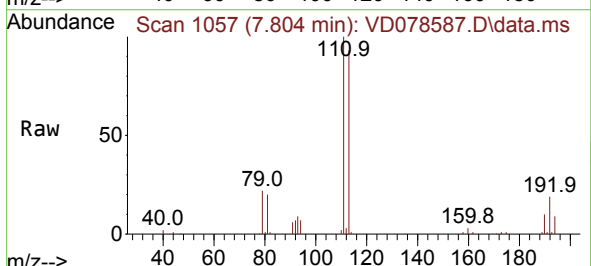
Tgt Ion:113 Resp: 93203

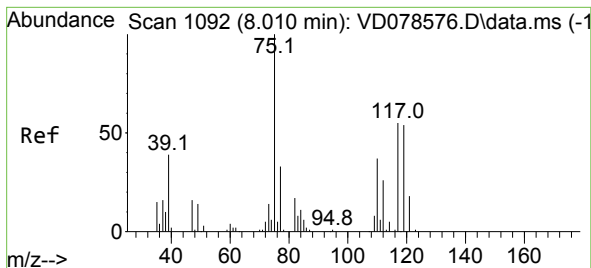
Ion Ratio Lower Upper

113 100

111 103.4 84.7 127.1

192 18.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.772 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

Instrument :

MSVOA_D

ClientSampleId :

SP-5

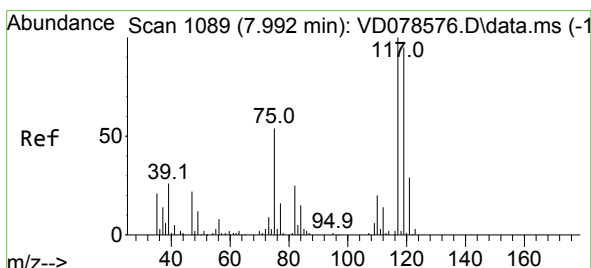
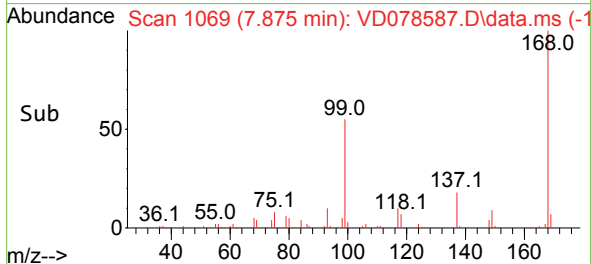
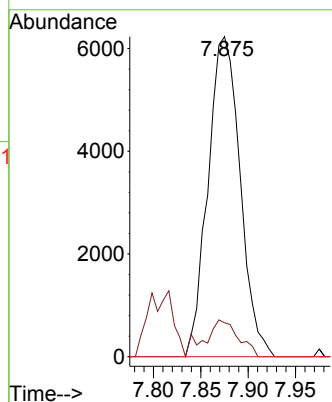
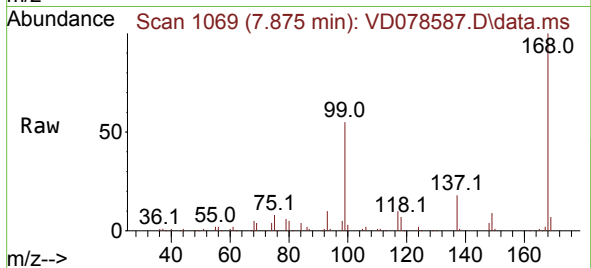
Tgt Ion: 75 Resp: 14730

Ion Ratio Lower Upper

75 100

110 11.9 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.738 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD078587.D

Acq: 04 Mar 2024 15:17

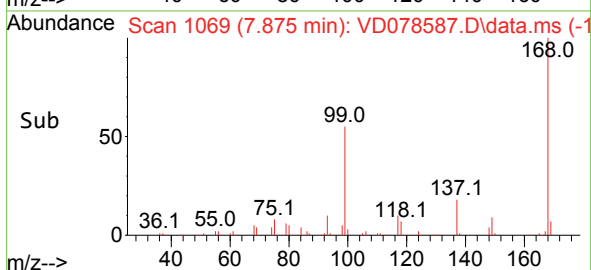
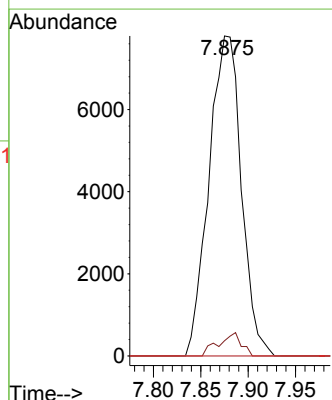
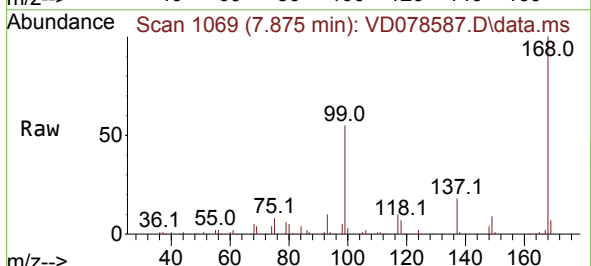
Tgt Ion: 117 Resp: 18528

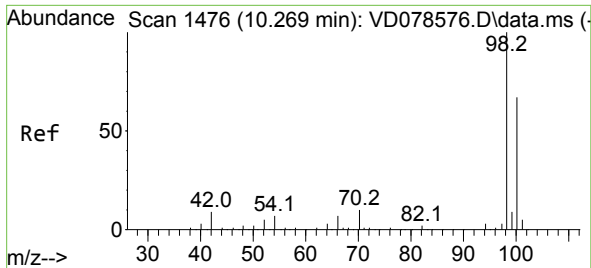
Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.0 24.2 36.2#

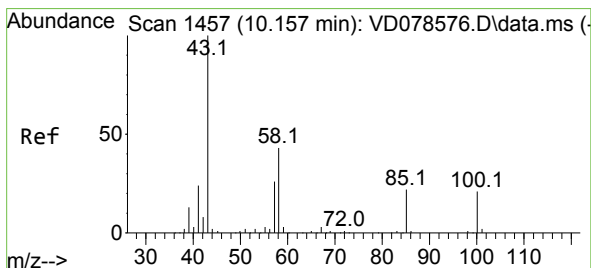
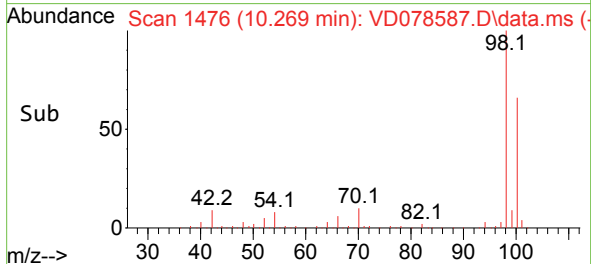
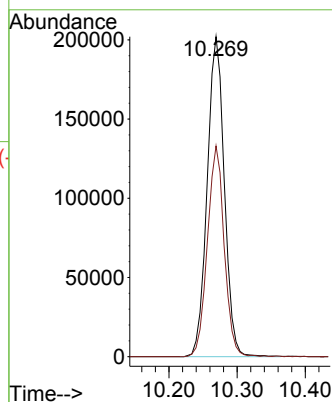
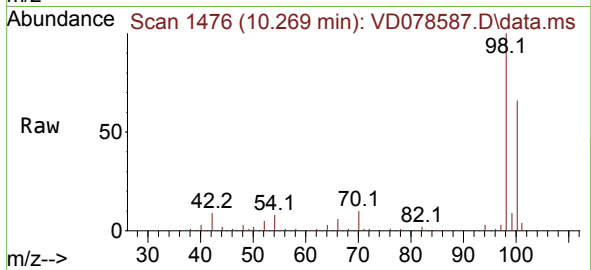




#50
Toluene-d8
Concen: 40.783 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

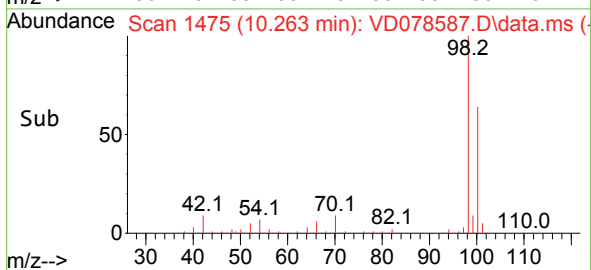
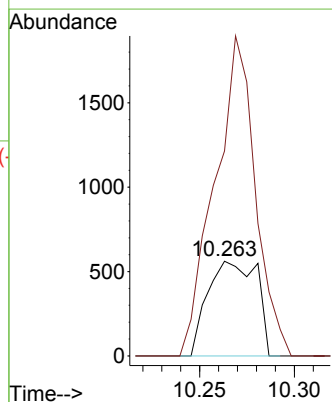
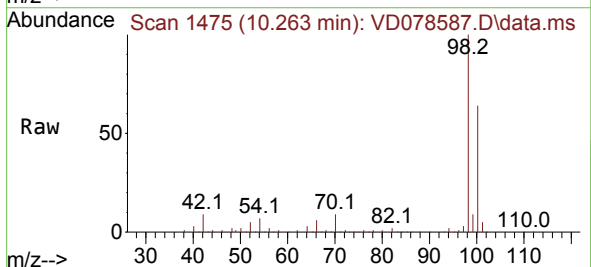
Instrument :
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SP-5

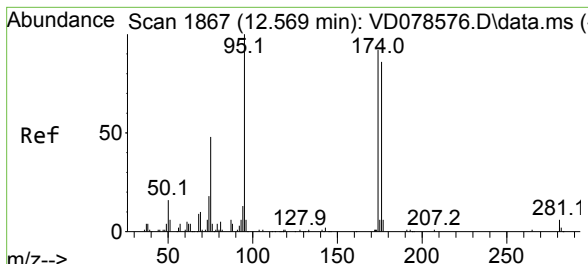
Tgt Ion: 98 Resp: 353534
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.019 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 279.6 38.9 58.3#

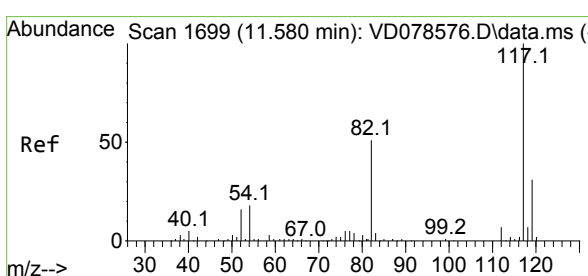
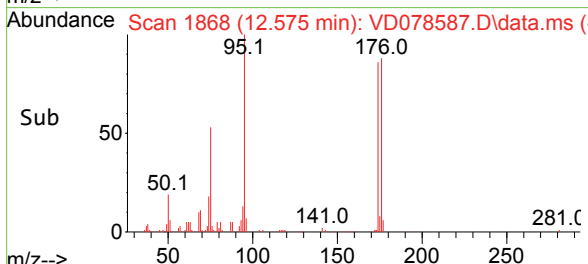
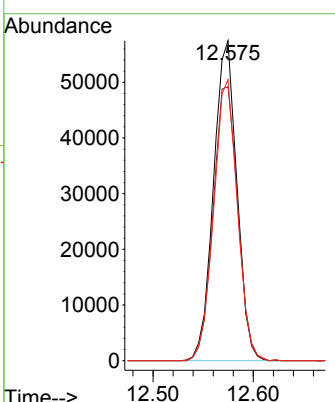
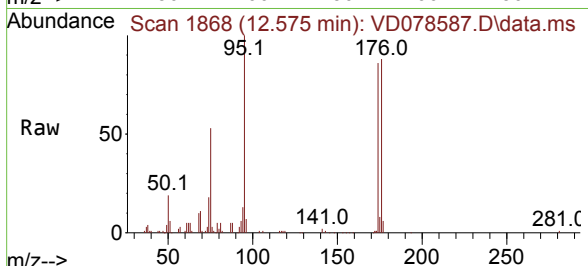




#62
 4-Bromofluorobenzene
 Concen: 37.442 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.006 min
 Lab File: VD078587.D
 Acq: 04 Mar 2024 15:17

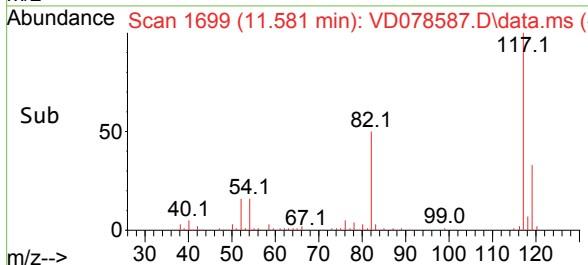
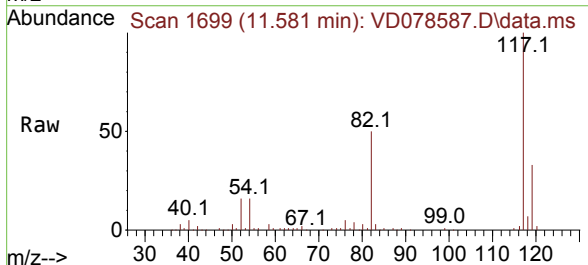
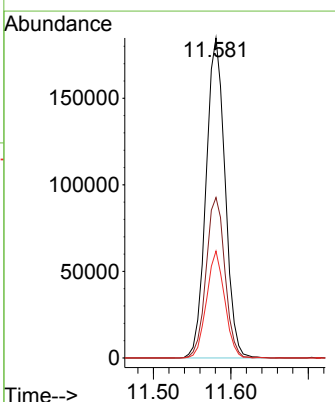
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5

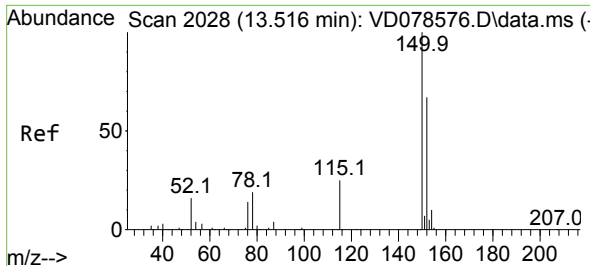
Tgt Ion:	95	Resp:	92702
Ion Ratio	Lower	Upper	
95	100		
174	90.0	0.0	201.8
176	88.8	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD078587.D
 Acq: 04 Mar 2024 15:17

Tgt Ion:	117	Resp:	314579
Ion Ratio	Lower	Upper	
117	100		
82	50.2	38.3	57.5
119	33.4	25.0	37.4

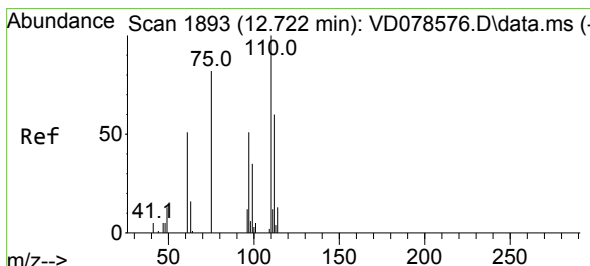
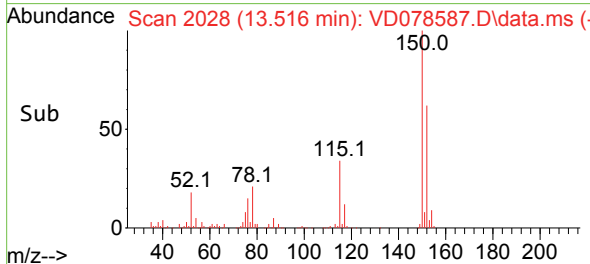
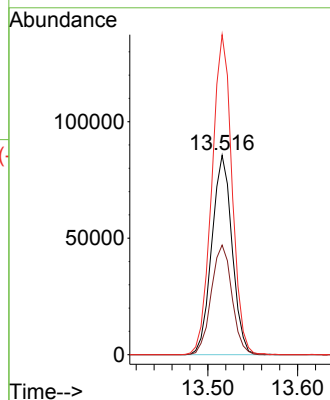
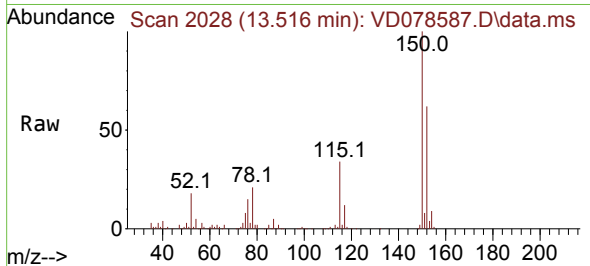




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078587.D
 Acq: 04 Mar 2024 15:17

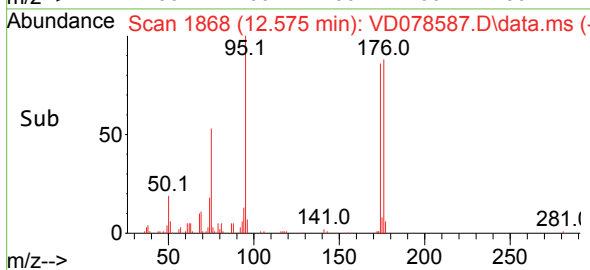
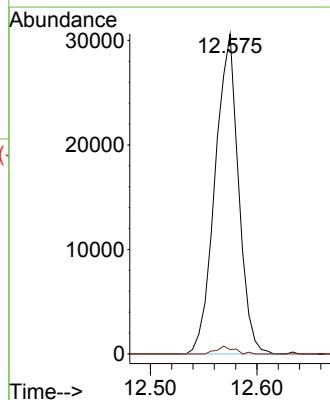
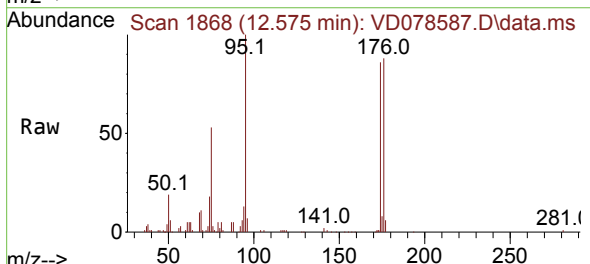
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5

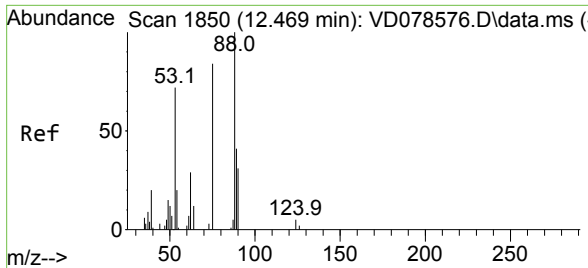
Tgt Ion:152 Resp: 134474
 Ion Ratio Lower Upper
 152 100
 115 55.9 27.1 81.3
 150 159.3 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 45.457 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078587.D
 Acq: 04 Mar 2024 15:17

Tgt Ion: 75 Resp: 46686
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.298 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD078587.D
Acq: 04 Mar 2024 15:17

Instrument :
MSVOA_D
ClientSampleId :
SP-5

Tgt Ion:	75	Resp:	46686
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

