

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077467.D
 Acq On : 31 Oct 2023 18:04
 Operator : JC/SY
 Sample : 05141-06
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:10:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	258445	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	561172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	596857	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	297680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	180736	49.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.920%
35) Dibromofluoromethane	7.805	113	178183	45.940	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.880%
50) Toluene-d8	10.269	98	762907	50.639	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.280%
62) 4-Bromofluorobenzene	12.575	95	296388	58.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	971	3.354	ug/l	96
16) Acetone	4.028	43	13468	13.927	ug/l #	75
17) Carbon Disulfide	4.275	76	3696	4.186	ug/l #	93
20) Methylene Chloride	4.811	84	13023	1.224	ug/l #	67
25) 2-Butanone	7.075	43	10316	7.998	ug/l #	69
26) 2,2-Dichloropropane	7.063	77	8921	1.465	ug/l #	49
28) Bromochloromethane	7.422	49	57	2.123	ug/l #	1
31) Cyclohexane	7.875	56	8150	1.427	ug/l #	30
36) 1,1-Dichloropropene	7.881	75	24824	4.317	ug/l #	48
38) Carbon Tetrachloride	7.881	117	26969	4.977	ug/l #	15
49) 1,4-Dioxane	9.251	88	58	2.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	164934	45.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	164934	87.935	ug/l #	18

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

Quant Time: Nov 01 06:10:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 2023
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: VD077467.D

Acq: 31 Oct 2023 18:04

Instrument :

MSVOA_D

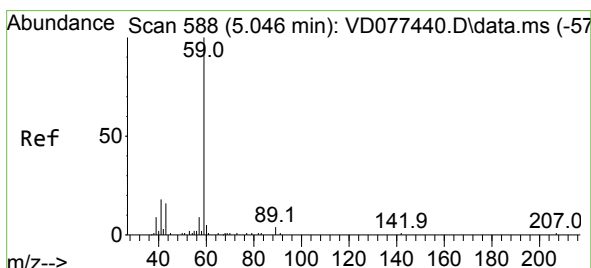
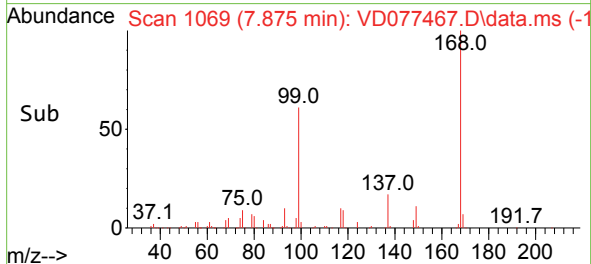
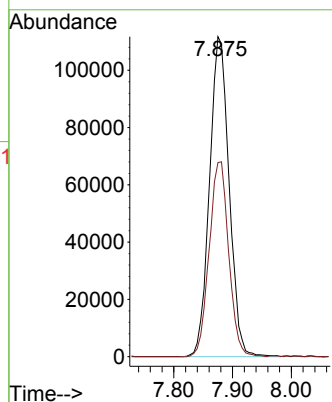
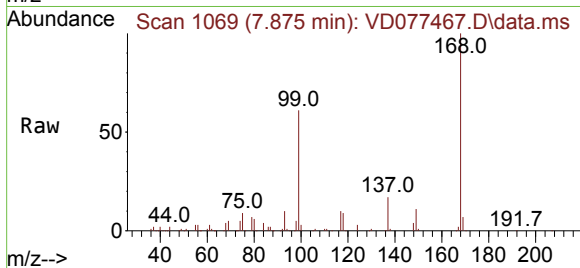
ClientSampleId :

Tgt Ion:168 Resp: 258445

Ion Ratio Lower Upper

168 100

99 60.6 36.7 55.1#



#11

Tert butyl alcohol

Concen: 3.354 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD077467.D

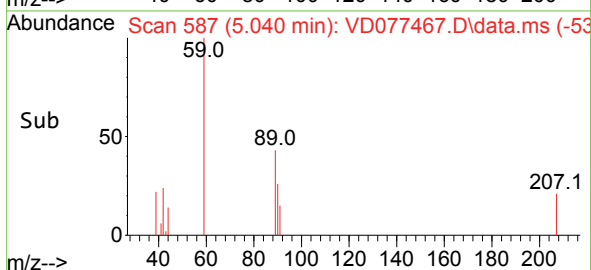
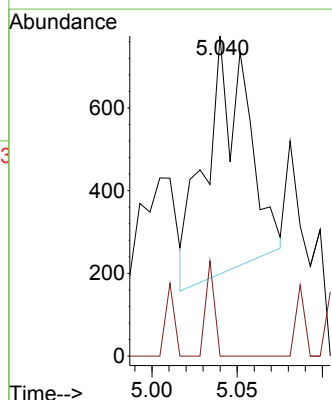
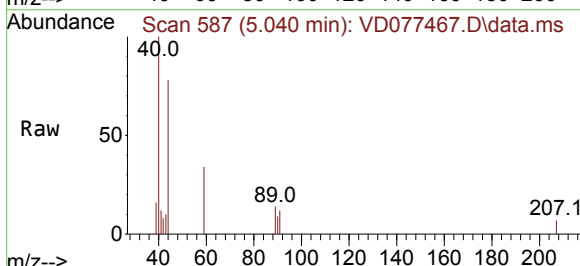
Acq: 31 Oct 2023 18:04

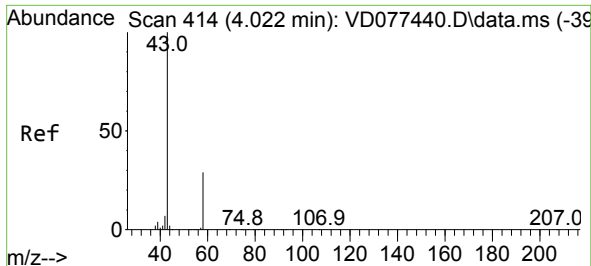
Tgt Ion: 59 Resp: 971

Ion Ratio Lower Upper

59 100

57 8.3 7.8 11.8

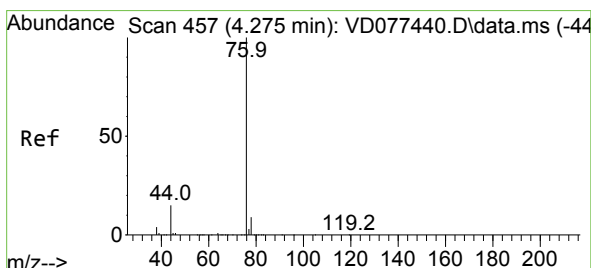
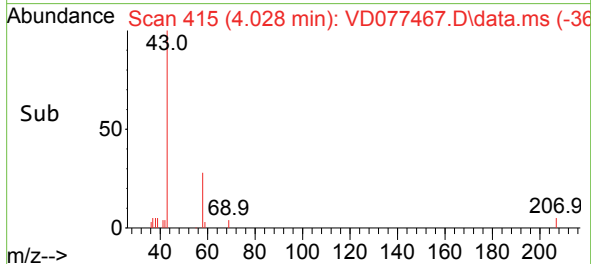
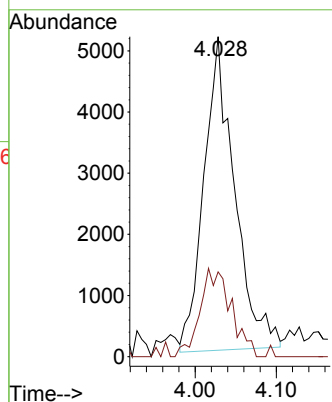
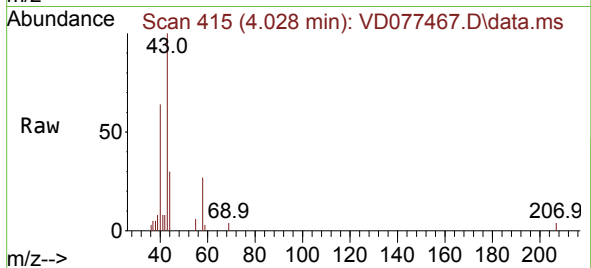




#16
Acetone
Concen: 13.927 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

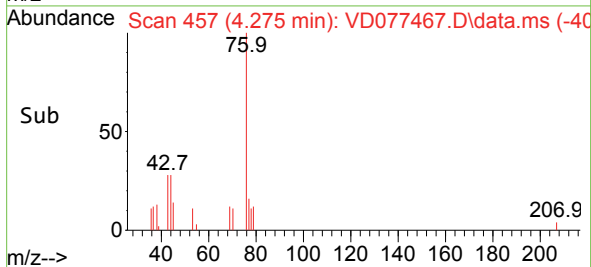
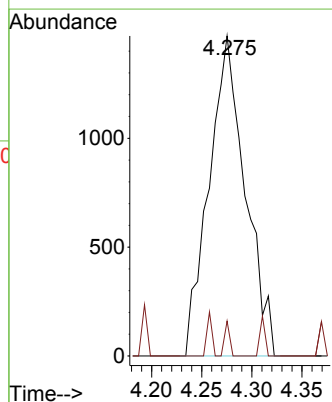
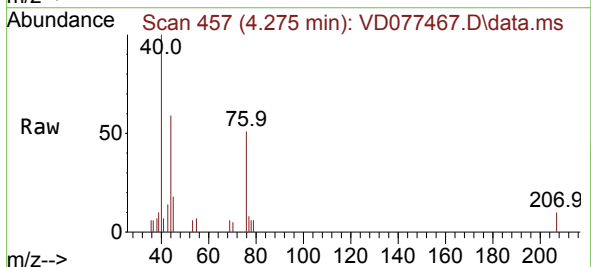
Instrument :
MSVOA_D
ClientSampleId :

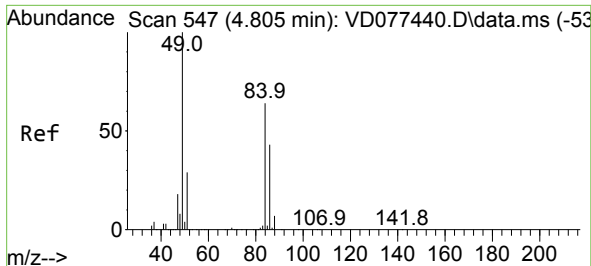
Tgt Ion: 43 Resp: 13468
Ion Ratio Lower Upper
43 100
58 27.6 34.7 52.1#



#17
Carbon Disulfide
Concen: 4.186 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

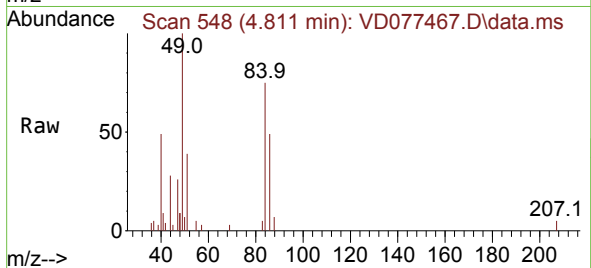
Tgt Ion: 76 Resp: 3696
Ion Ratio Lower Upper
76 100
78 10.9 6.8 10.2#



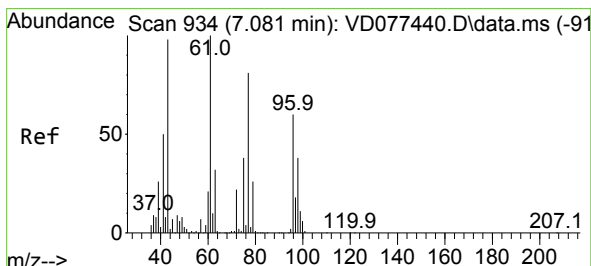
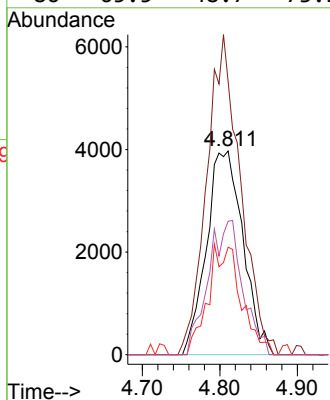
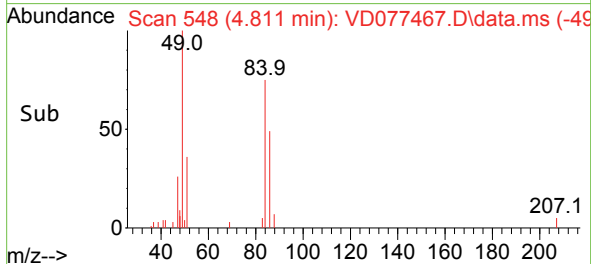


#20
Methylene Chloride
Concen: 1.224 ug/l
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :

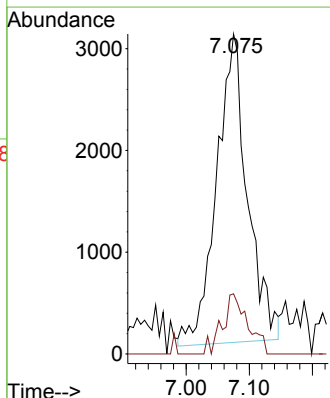
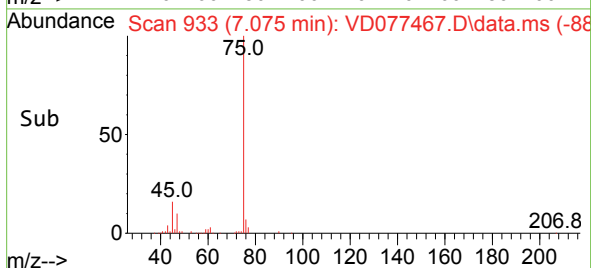
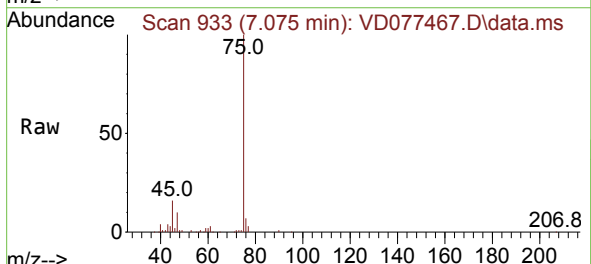


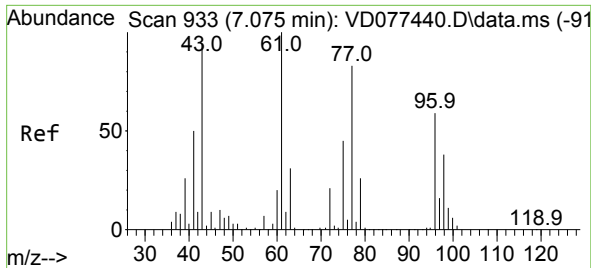
Tgt Ion:	84	Resp:	13023
Ion	Ratio	Lower	Upper
84	100		
49	134.1	71.4	107.2#
51	52.8	24.5	36.7#
86	65.5	48.7	73.1



#25
2-Butanone
Concen: 7.998 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

Tgt Ion:	43	Resp:	10316
Ion	Ratio	Lower	Upper
43	100		
72	19.8	30.7	46.1#

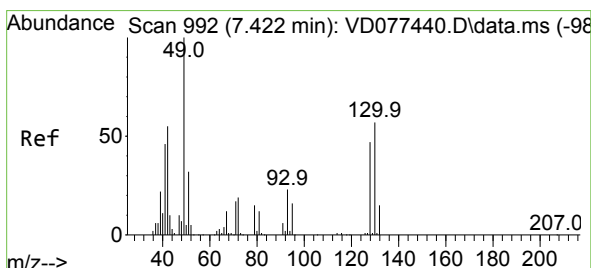
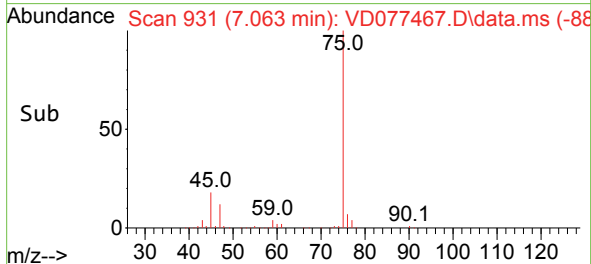
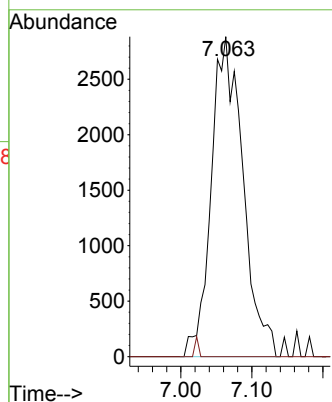
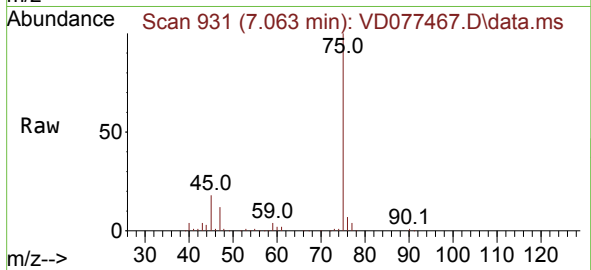




#26
2,2-Dichloropropane
Concen: 1.465 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

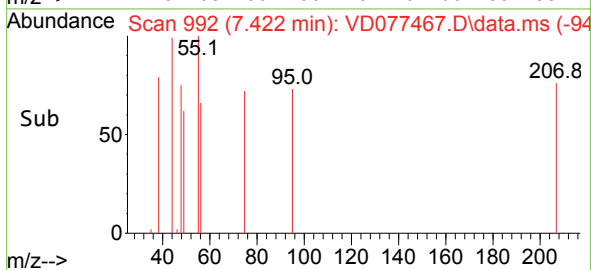
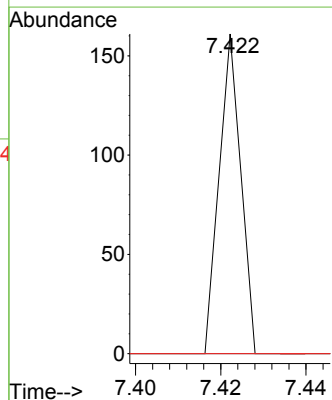
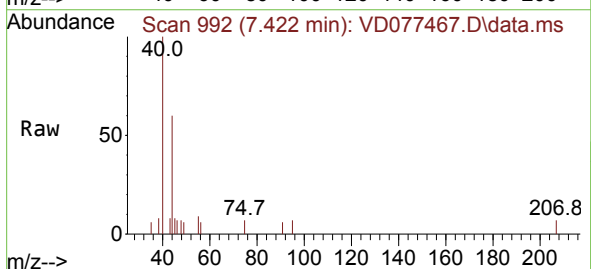
Instrument :
MSVOA_D
ClientSampleId :

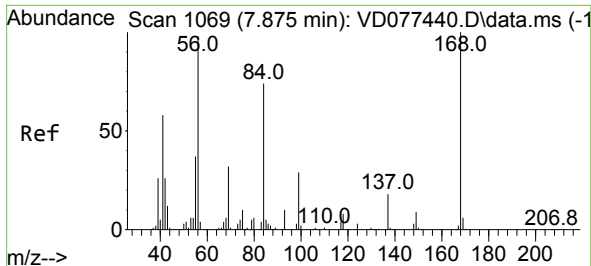
Tgt Ion: 77 Resp: 8921
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 2.123 ug/l
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

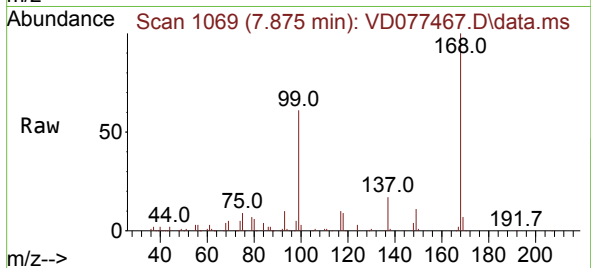
Tgt Ion: 49 Resp: 57
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



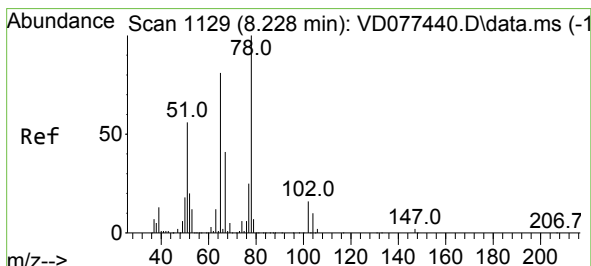
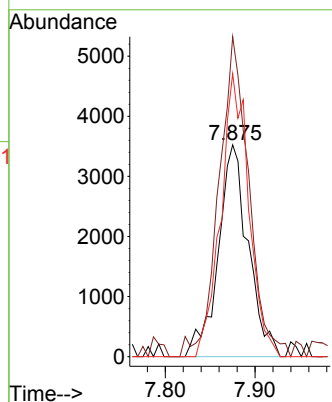
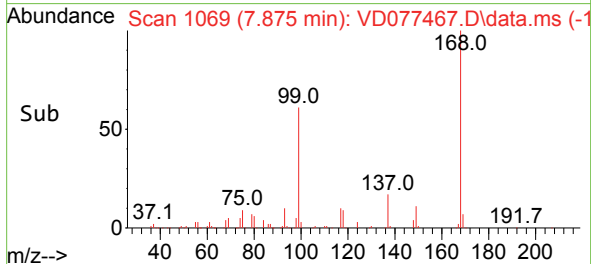


#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

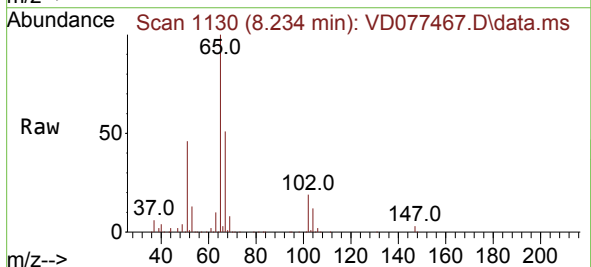
Instrument :
MSVOA_D
ClientSampleId :



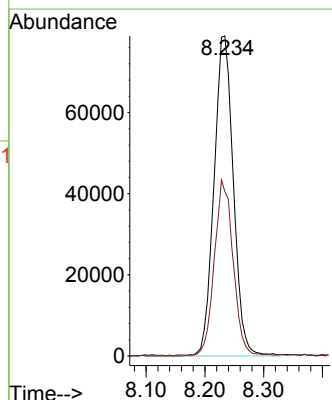
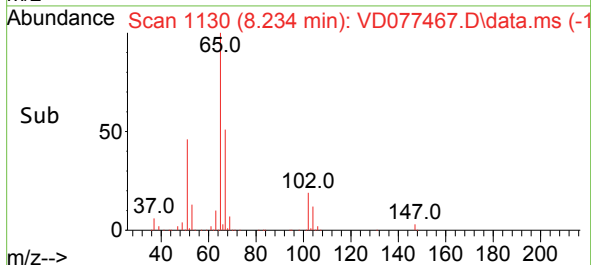
Tgt Ion: 56 Resp: 8150
Ion Ratio Lower Upper
56 100
69 151.0 28.6 43.0#
84 133.6 84.8 127.2#

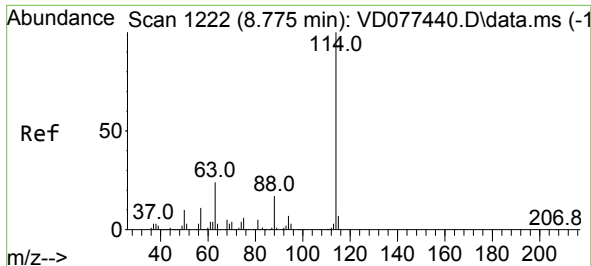


#33
1,2-Dichloroethane-d4
Concen: 49.455 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04



Tgt Ion: 65 Resp: 180736
Ion Ratio Lower Upper
65 100
67 52.4 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: VD077467.D

Acq: 31 Oct 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

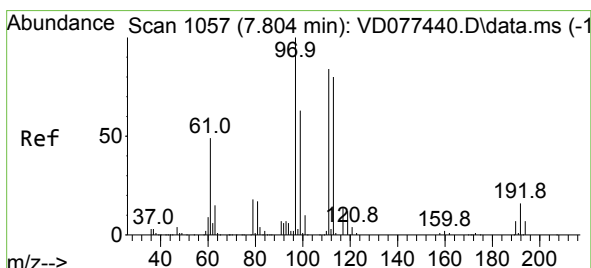
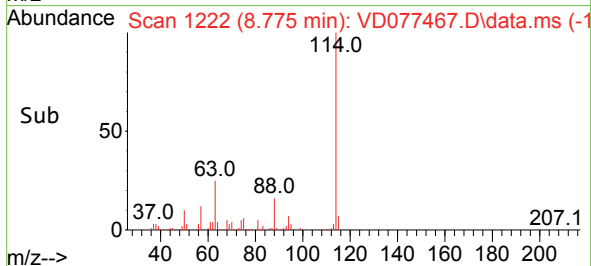
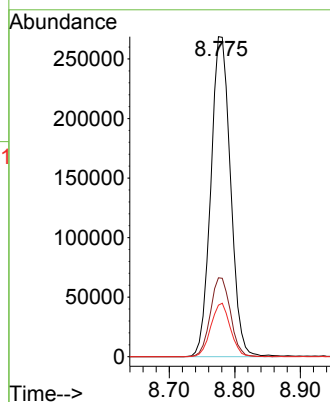
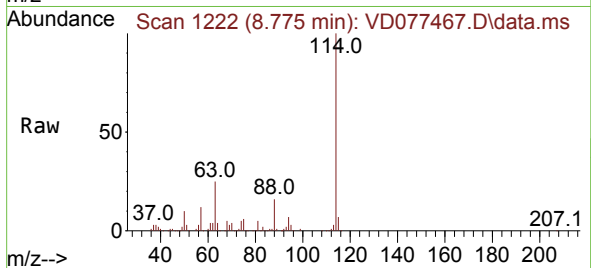
Tgt Ion:114 Resp: 561172

Ion Ratio Lower Upper

114 100

63 24.7 0.0 33.4

88 16.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.940 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077467.D

Acq: 31 Oct 2023 18:04

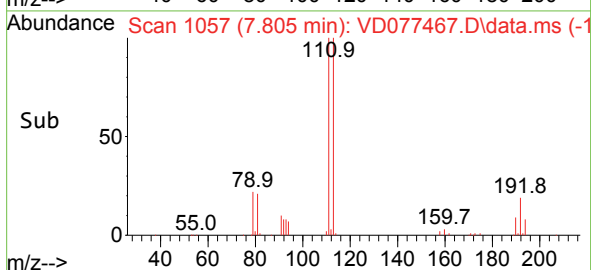
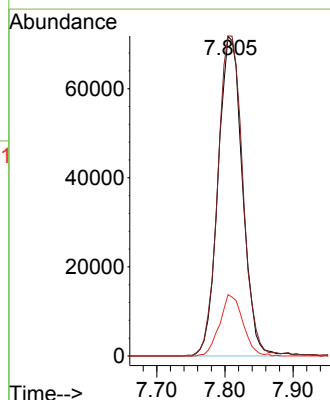
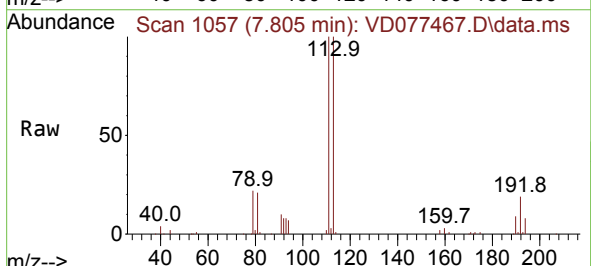
Tgt Ion:113 Resp: 178183

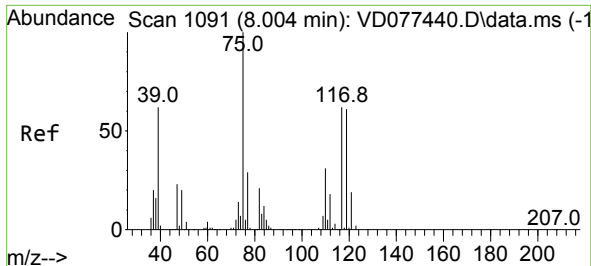
Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

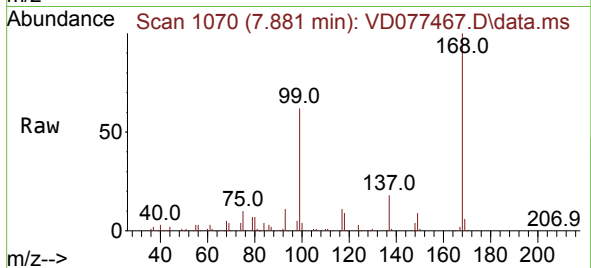
192 18.4 16.8 25.2



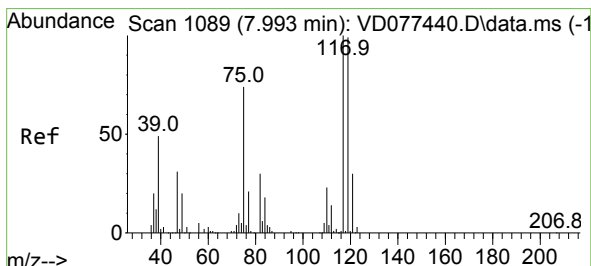
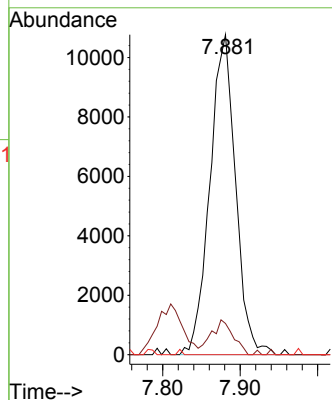
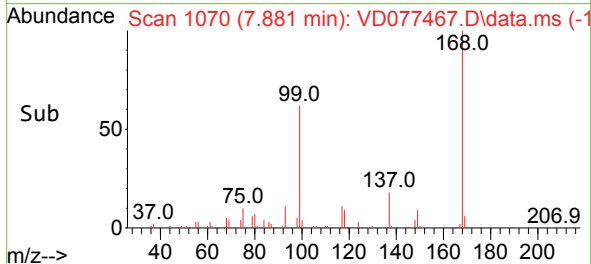


#36
1,1-Dichloropropene
Concen: 4.317 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

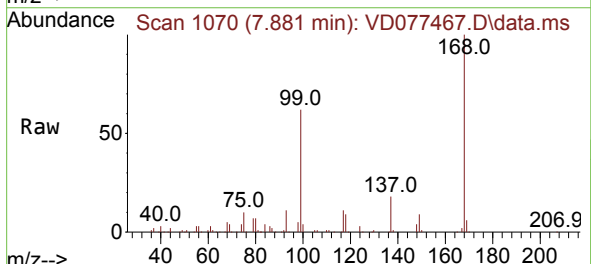
Instrument :
MSVOA_D
ClientSampleId :



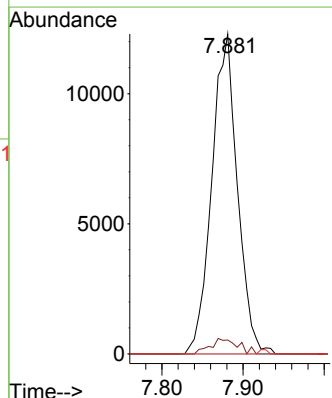
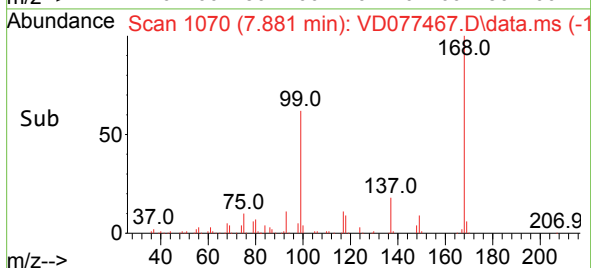
Tgt Ion: 75 Resp: 24824
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#

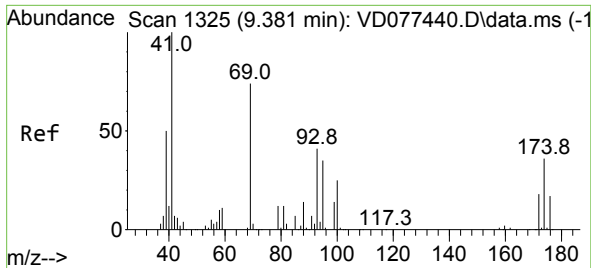


#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04



Tgt Ion: 117 Resp: 26969
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 2.323 ug/l

RT: 9.251 min Scan# 11

Delta R.T. -0.129 min

Lab File: VD077467.D

Acq: 31 Oct 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

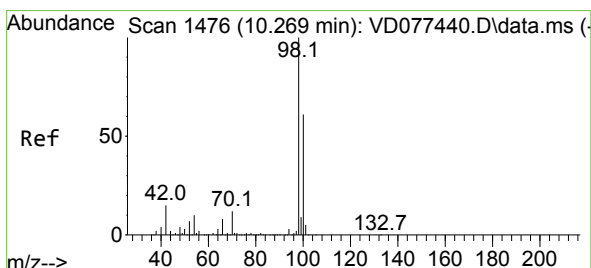
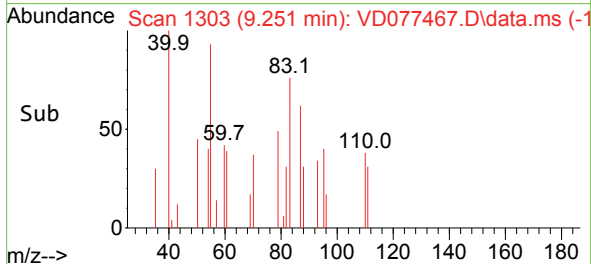
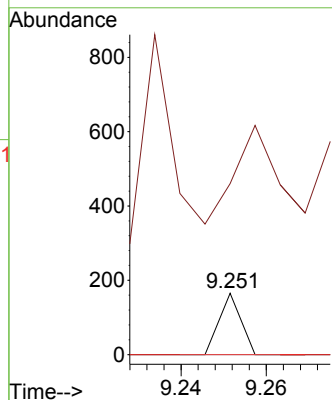
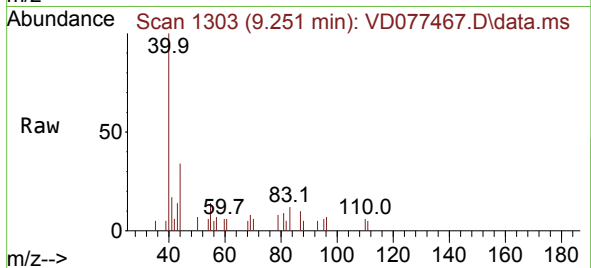
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 310.3 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 50.639 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077467.D

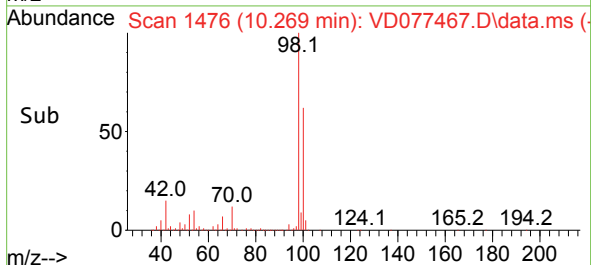
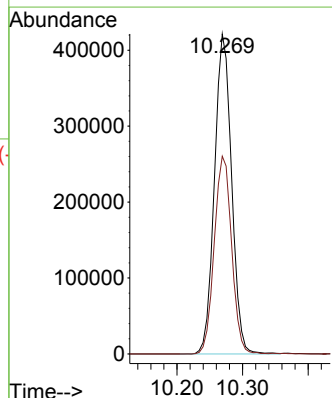
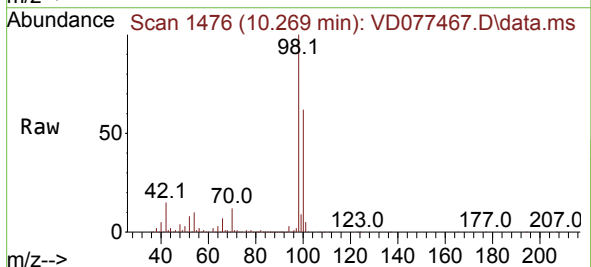
Acq: 31 Oct 2023 18:04

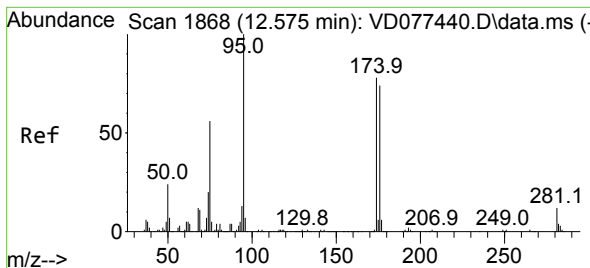
Tgt Ion: 98 Resp: 762907

Ion Ratio Lower Upper

98 100

100 62.7 50.3 75.5

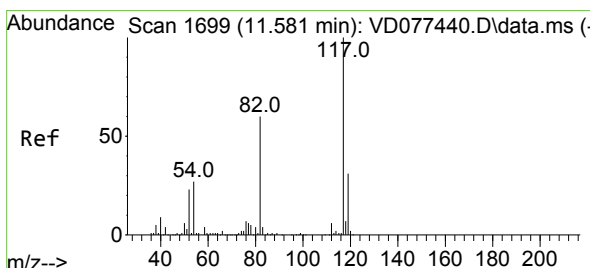
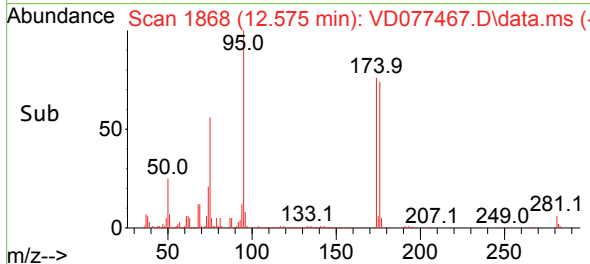
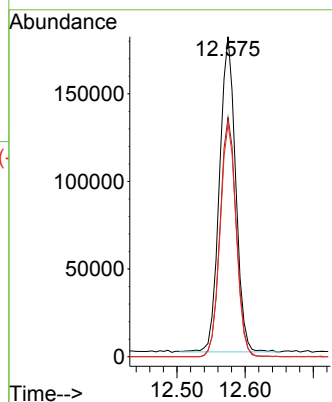
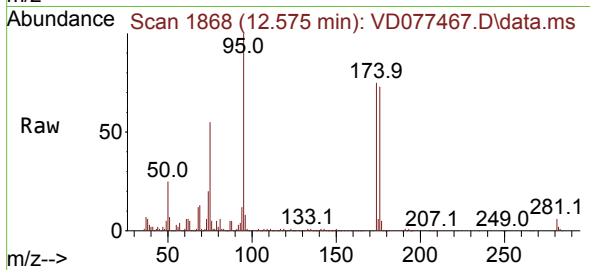




#62
4-Bromofluorobenzene
Concen: 58.411 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

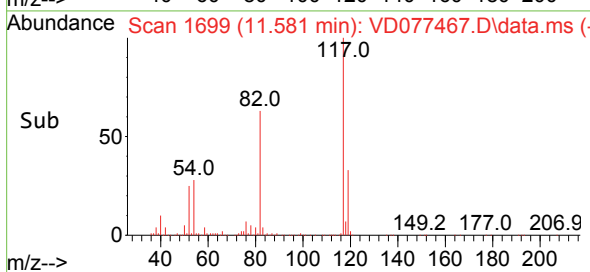
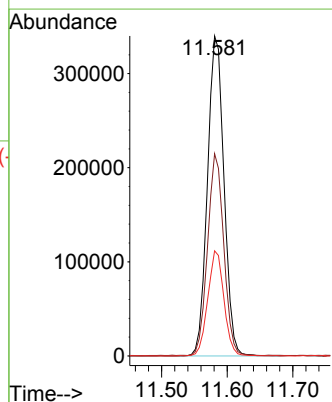
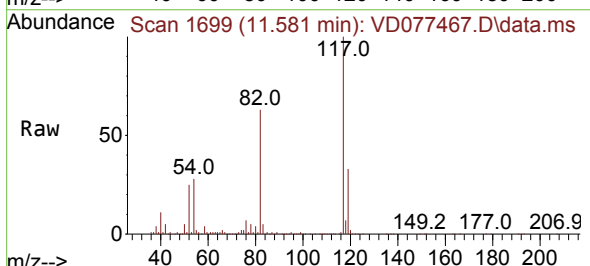
Instrument :
MSVOA_D
ClientSampleId :

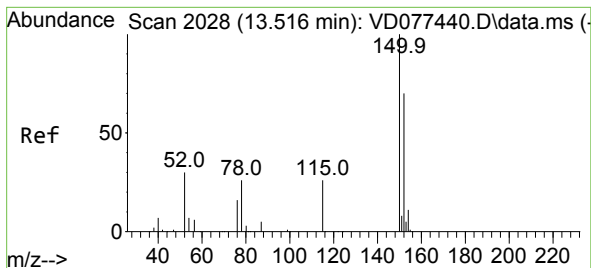
Tgt Ion: 95 Resp: 296388
Ion Ratio Lower Upper
95 100
174 75.6 0.0 201.8
176 73.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

Tgt Ion: 117 Resp: 596857
Ion Ratio Lower Upper
117 100
82 63.0 38.3 57.5#
119 32.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077467.D

Acq: 31 Oct 2023 18:04

Instrument :

MSVOA_D

ClientSampleId :

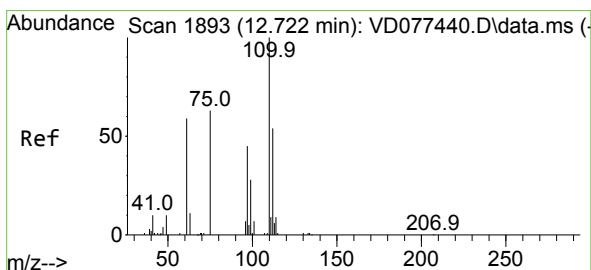
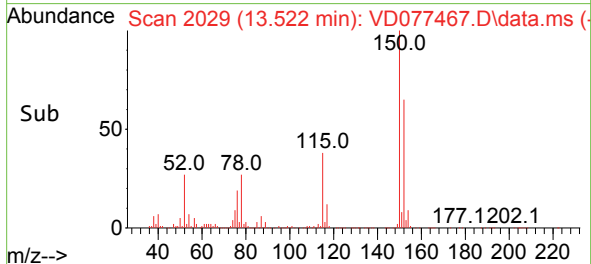
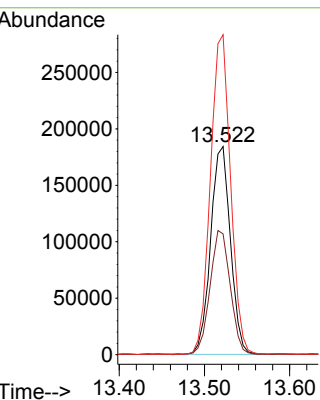
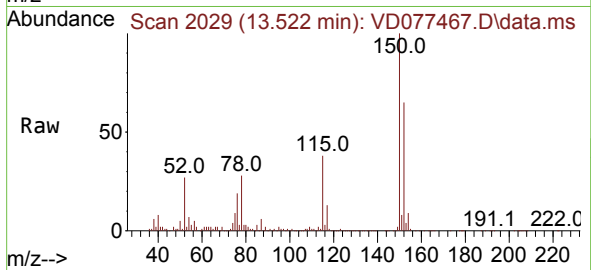
Tgt Ion:152 Resp: 297680

Ion Ratio Lower Upper

152 100

115 61.2 27.1 81.3

150 156.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 45.524 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077467.D

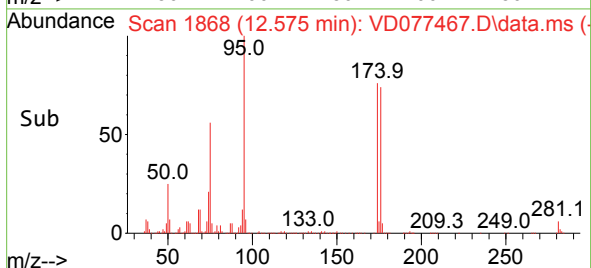
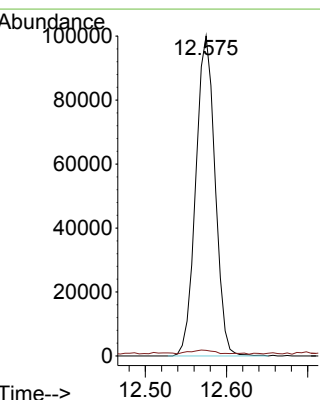
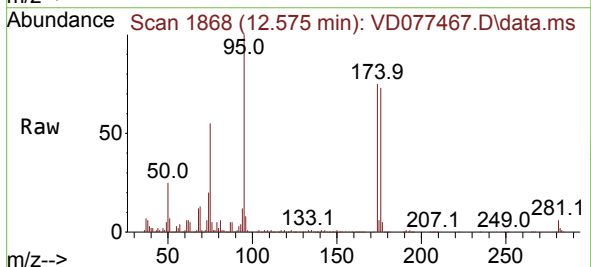
Acq: 31 Oct 2023 18:04

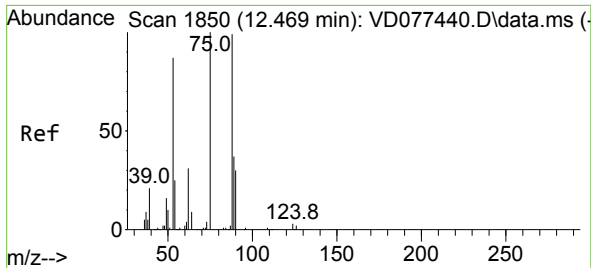
Tgt Ion: 75 Resp: 164934

Ion Ratio Lower Upper

75 100

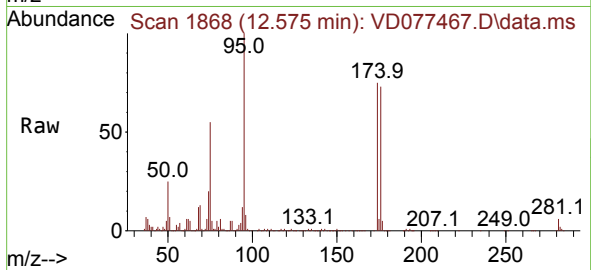
77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.935 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077467.D
Acq: 31 Oct 2023 18:04

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	164934
Ion	Ratio	Lower	Upper
75	100		
53	0.2	63.0	94.4#
89	0.1	37.9	56.9#

