

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079642.D
 Acq On : 07 Aug 2024 15:47
 Operator : RP/MD
 Sample : P3393-02
 Misc : 5.92G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:51:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

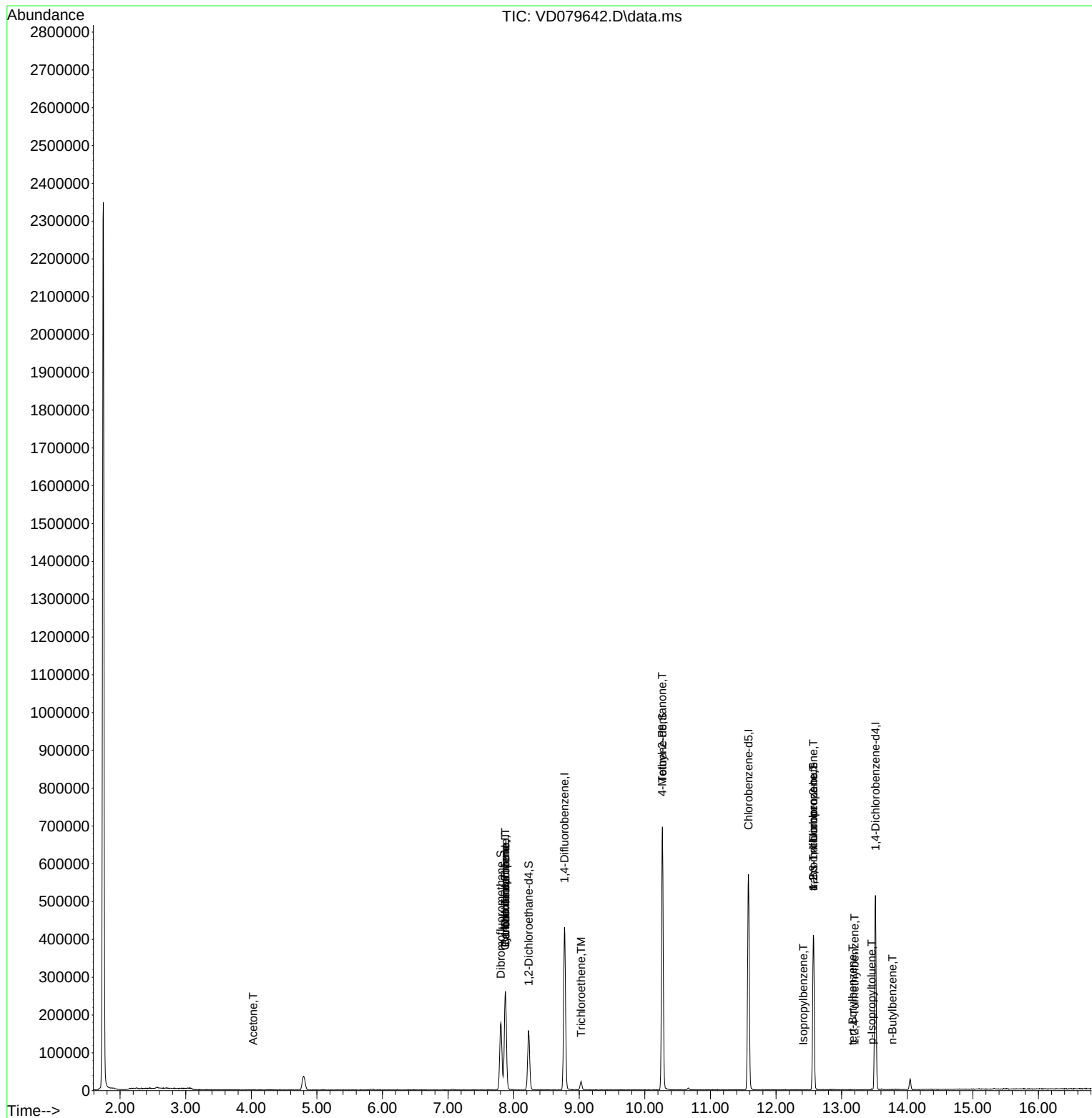
Internal Standards						
1) Pentafluorobenzene	7.875	168	204897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	394741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119934	57.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.240%
35) Dibromofluoromethane	7.804	113	132751	49.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.380%
50) Toluene-d8	10.269	98	493480	47.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.569	95	125273	41.723	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	786	Below Cal	#	52
11) Tert butyl alcohol	5.052	59	67	Below Cal	#	86
13) Acrolein	4.016	56	54	Below Cal	#	15
16) Acetone	4.028	43	552	1.365	ug/l #	37
20) Methylene Chloride	4.799	84	29967	Below Cal	#	87
31) Cyclohexane	7.869	56	4806	1.390	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	16247	4.455	ug/l #	48
38) Carbon Tetrachloride	7.875	117	20823	5.432	ug/l #	17
44) Trichloroethene	9.028	130	7858	2.725	ug/l	79
51) 4-Methyl-2-Pentanone	10.263	43	1988	1.386	ug/l #	1
73) Isopropylbenzene	12.416	105	297	3.654	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	63712	51.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	63712	98.923	ug/l #	19
83) tert-Butylbenzene	13.169	119	54	3.634	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.198	105	279	3.458	ug/l	67
86) p-Isopropyltoluene	13.457	119	191	3.904	ug/l #	51
89) n-Butylbenzene	13.775	91	127	3.795	ug/l #	75

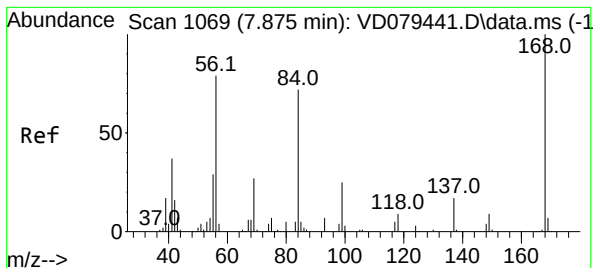
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 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: VD079642.D

Acq: 07 Aug 2024 15:47

Instrument :

MSVOA_D

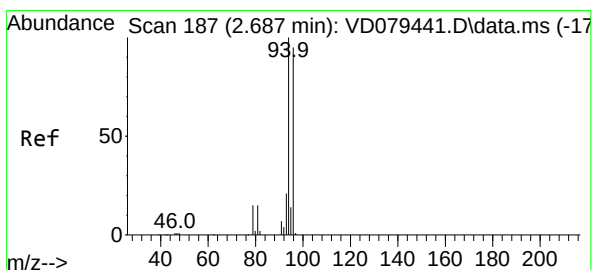
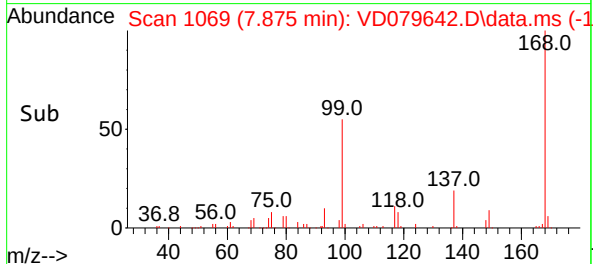
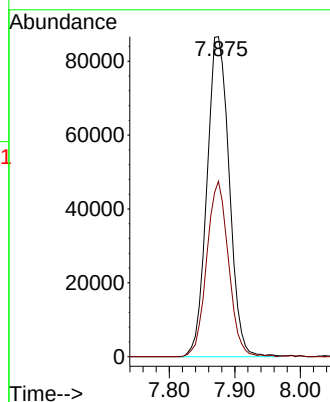
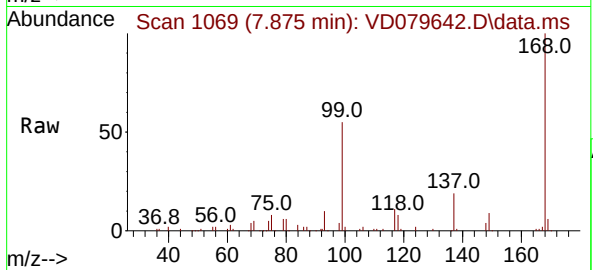
ClientSampleId :

Tgt Ion:168 Resp: 204897

Ion Ratio Lower Upper

168 100

99 54.9 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.006 min

Lab File: VD079642.D

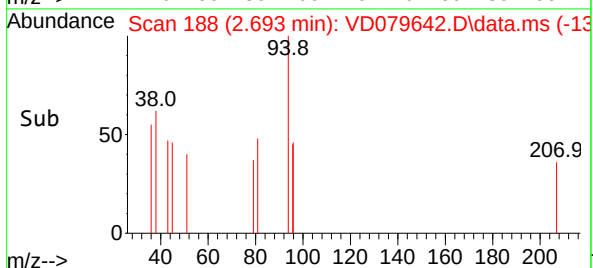
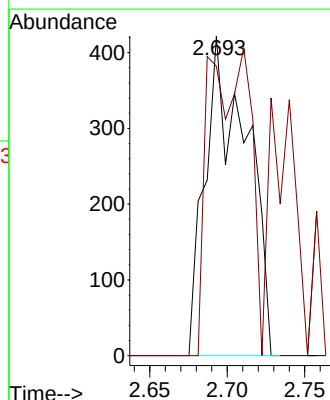
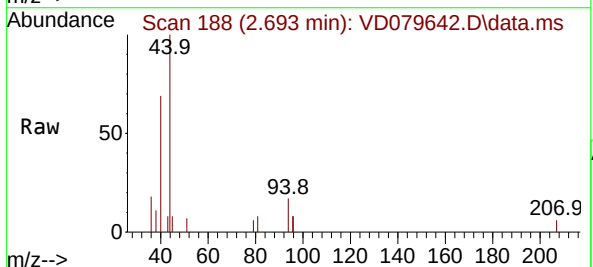
Acq: 07 Aug 2024 15:47

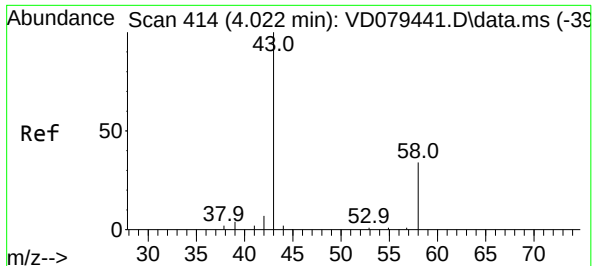
Tgt Ion: 94 Resp: 786

Ion Ratio Lower Upper

94 100

96 48.9 76.9 115.3#

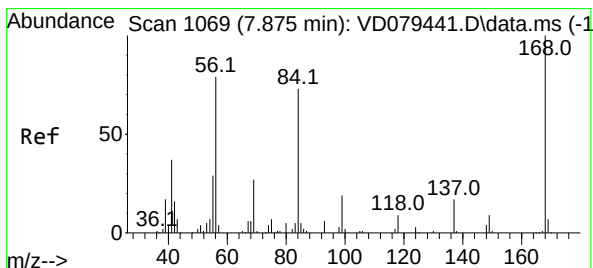
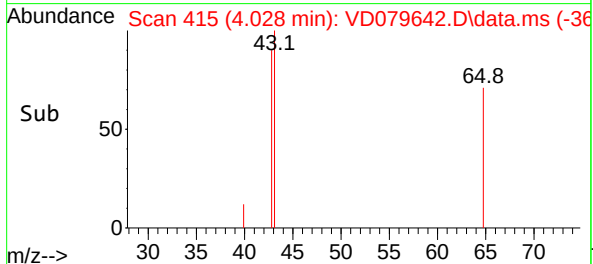
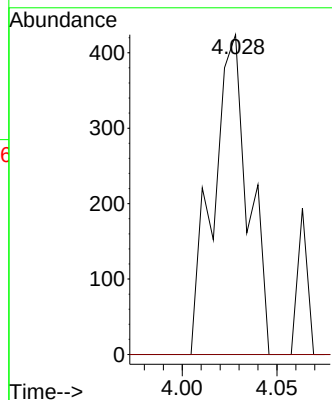
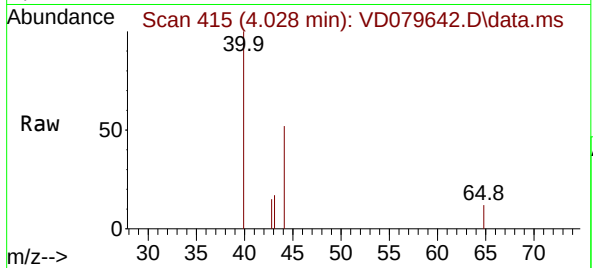




#16
Acetone
Concen: 1.365 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

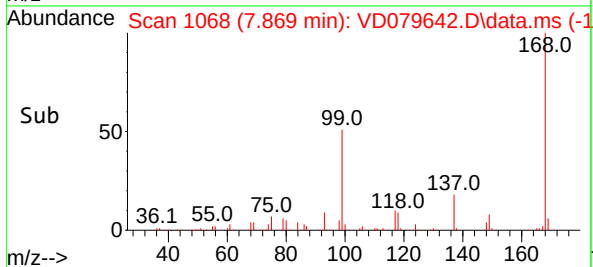
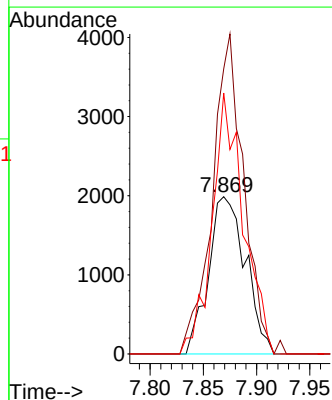
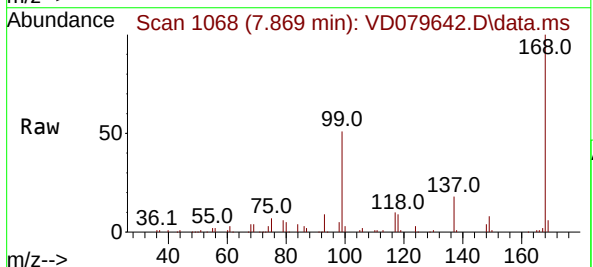
Instrument :
MSVOA_D
ClientSampleId :

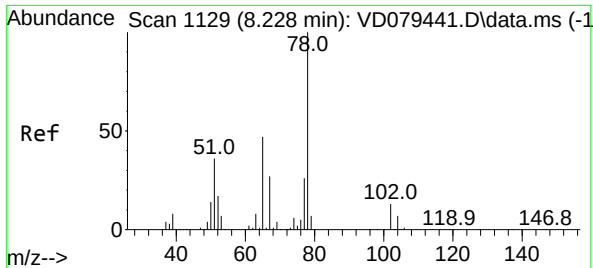
Tgt Ion: 43 Resp: 552
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Tgt Ion: 56 Resp: 4806
Ion Ratio Lower Upper
56 100
69 181.3 28.0 42.0#
84 165.9 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 57.617 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

Instrument :

MSVOA_D

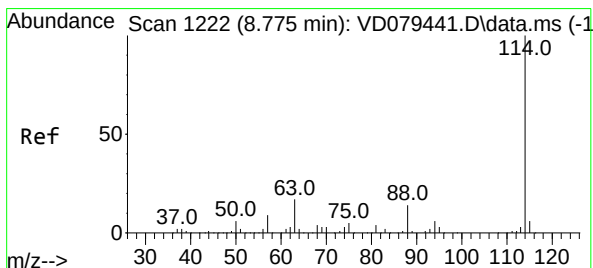
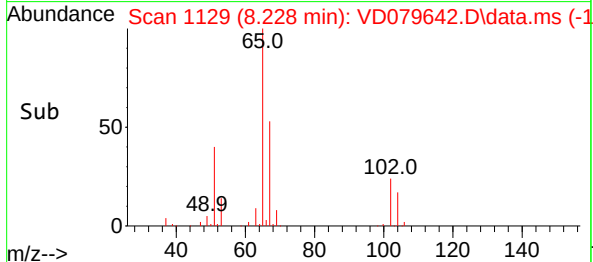
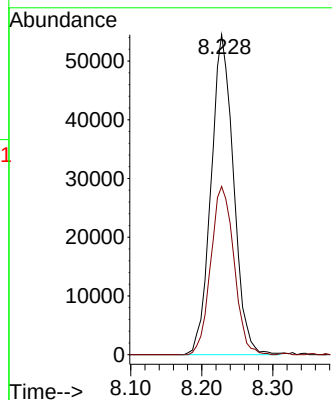
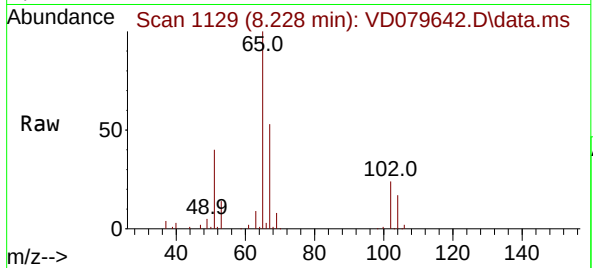
ClientSampleId :

Tgt Ion: 65 Resp: 119934

Ion Ratio Lower Upper

65 100

67 54.2 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

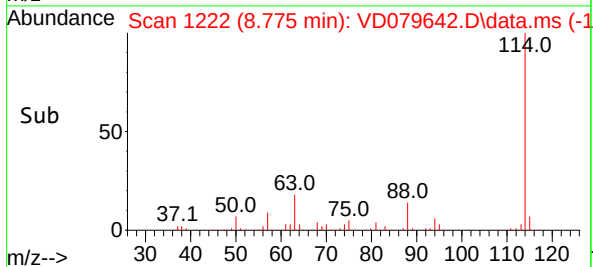
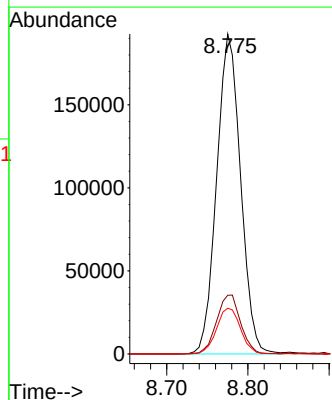
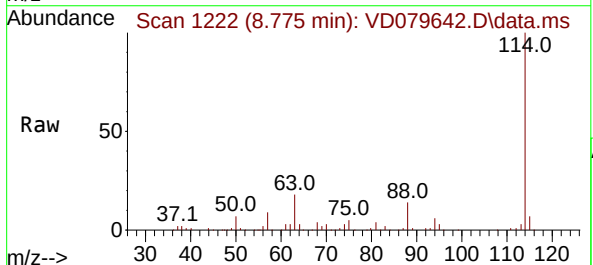
Tgt Ion: 114 Resp: 394741

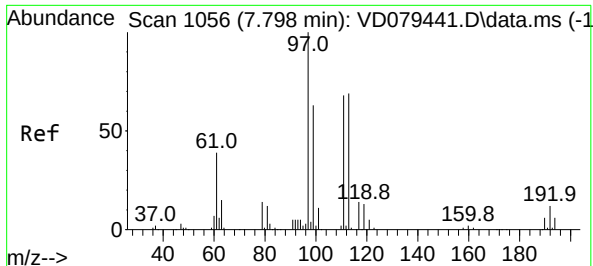
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 14.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.686 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

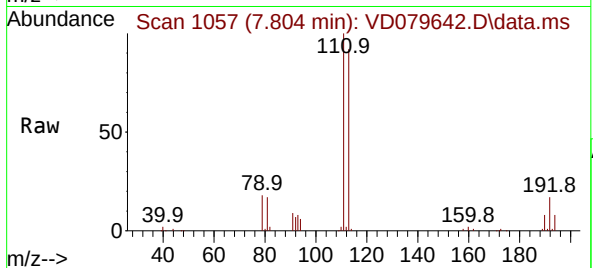
Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :



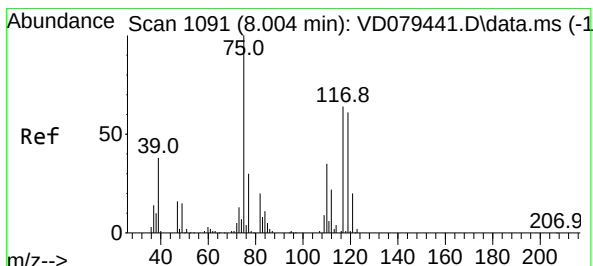
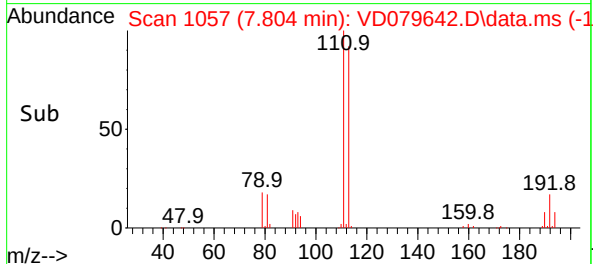
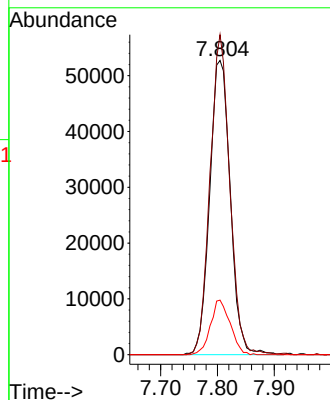
Tgt Ion:113 Resp: 132751

Ion Ratio Lower Upper

113 100

111 103.8 84.0 126.0

192 17.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.455 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

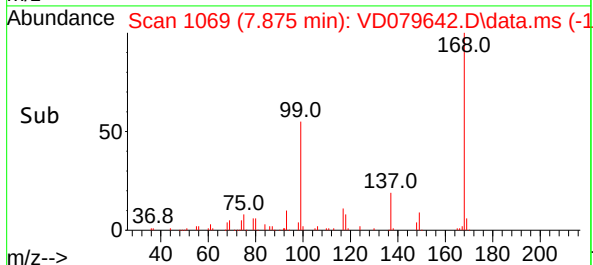
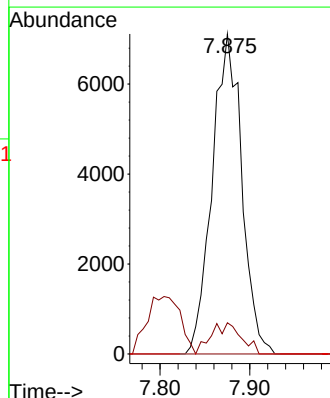
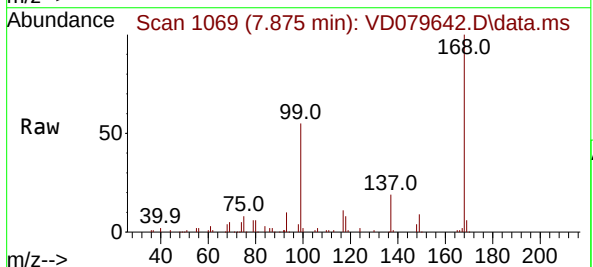
Tgt Ion: 75 Resp: 16247

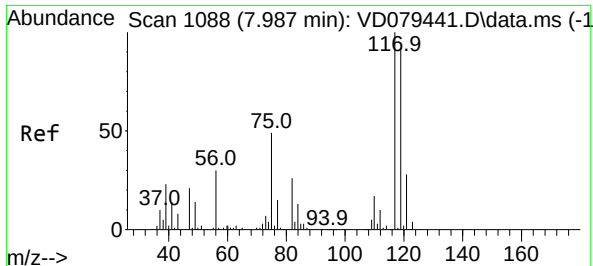
Ion Ratio Lower Upper

75 100

110 9.9 19.6 58.7#

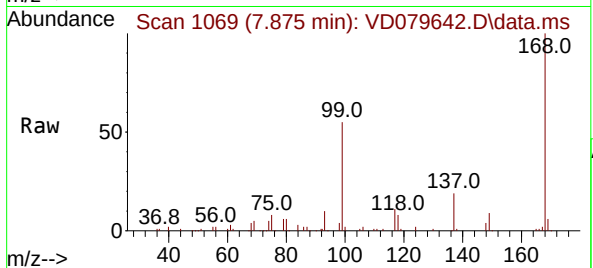
77 0.0 26.1 39.1#



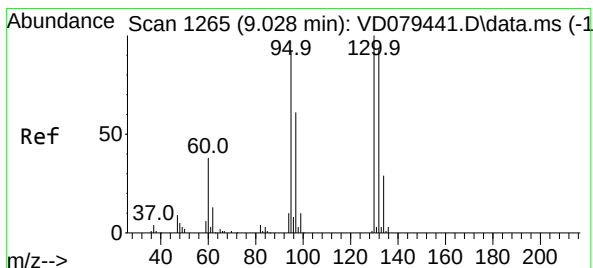
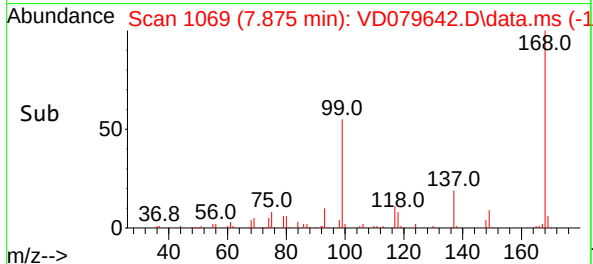
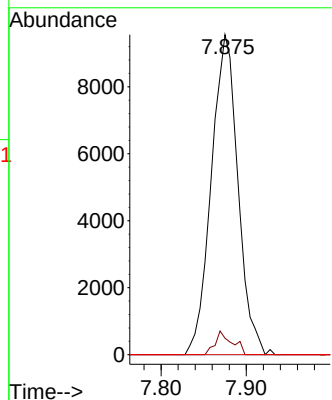


#38
Carbon Tetrachloride
Concen: 5.432 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Instrument :
MSVOA_D
ClientSampleId :

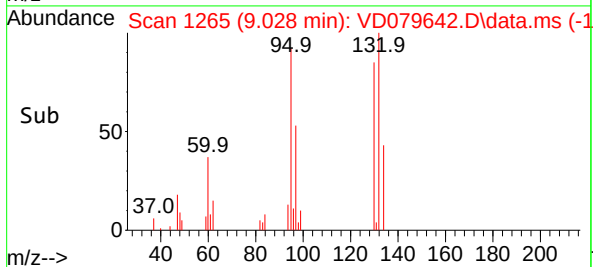
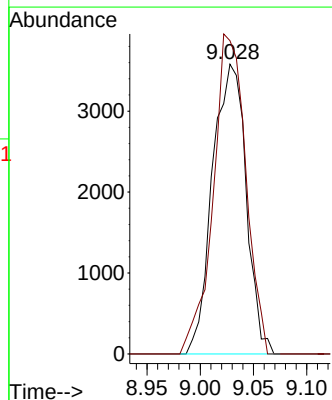
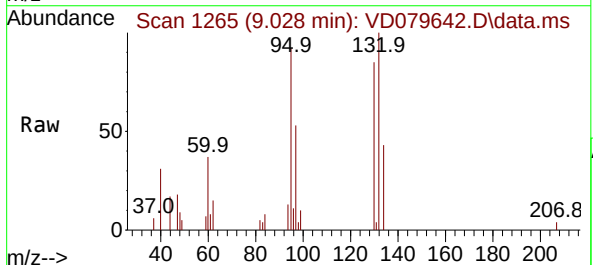


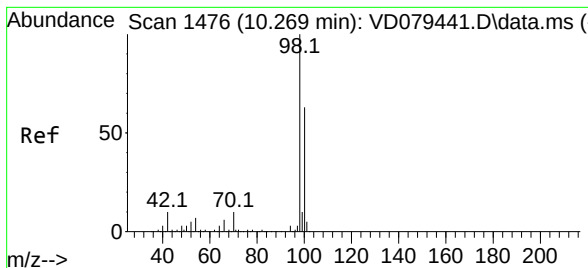
Tgt Ion:117 Resp: 20823
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 2.725 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Tgt Ion:130 Resp: 7858
Ion Ratio Lower Upper
130 100
95 108.1 0.0 177.8





#50

Toluene-d8

Concen: 47.562 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

Instrument :

MSVOA_D

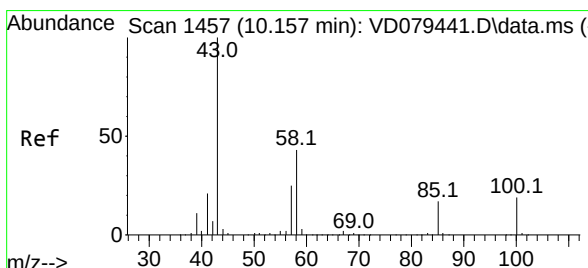
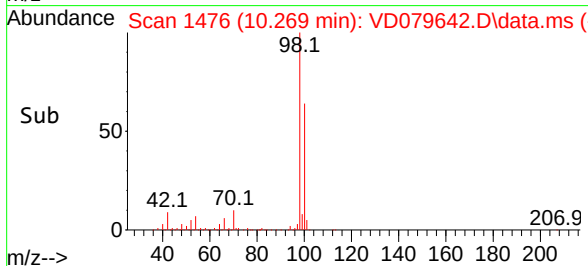
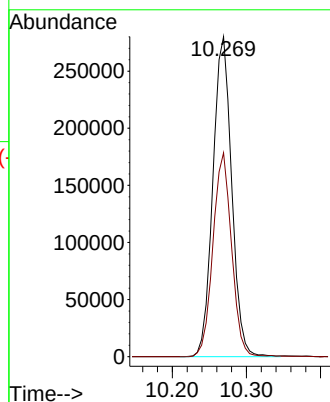
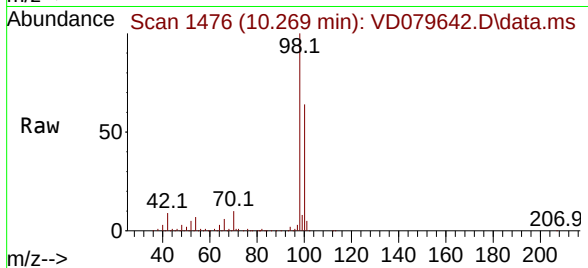
ClientSampleId :

Tgt Ion: 98 Resp: 493480

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.386 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.106 min

Lab File: VD079642.D

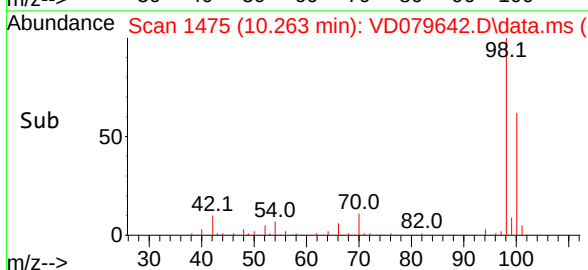
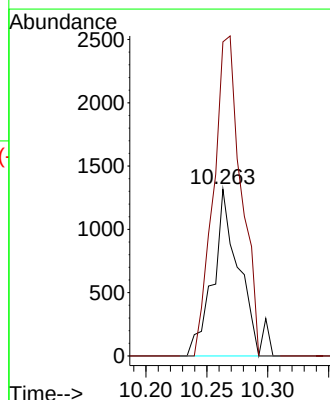
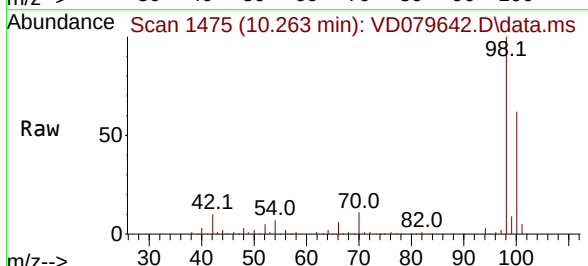
Acq: 07 Aug 2024 15:47

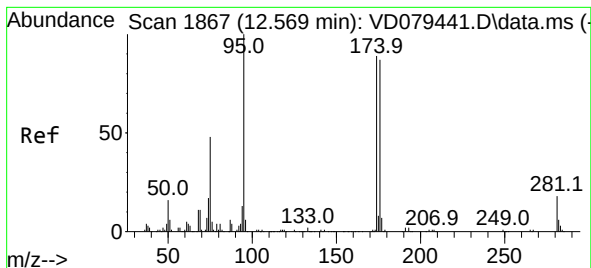
Tgt Ion: 43 Resp: 1988

Ion Ratio Lower Upper

43 100

58 200.9 36.6 55.0#

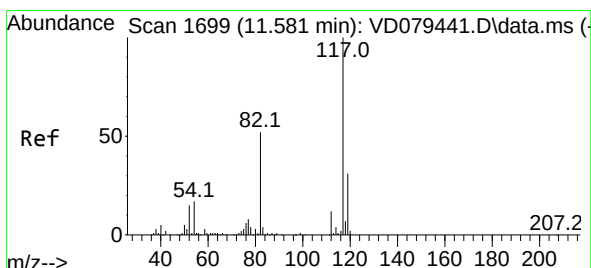
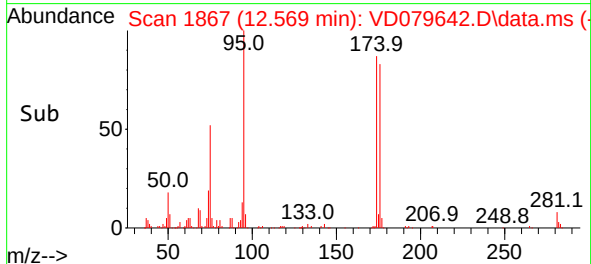
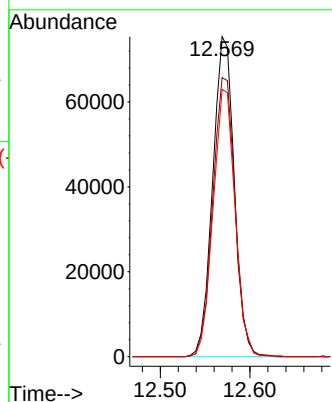
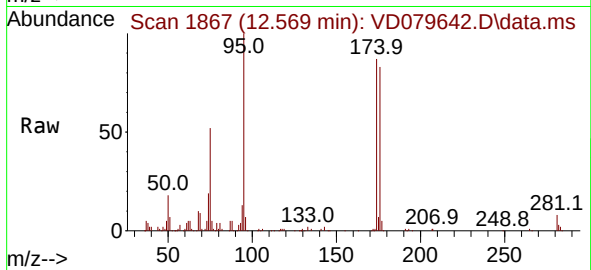




#62
4-Bromofluorobenzene
Concen: 41.723 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

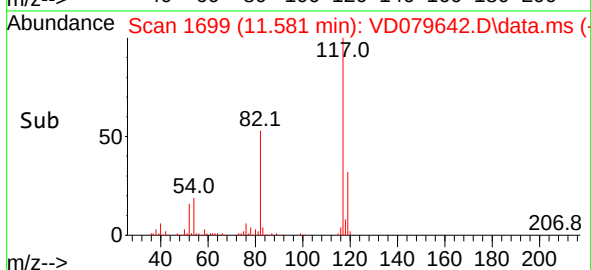
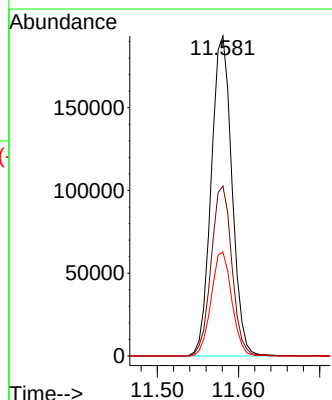
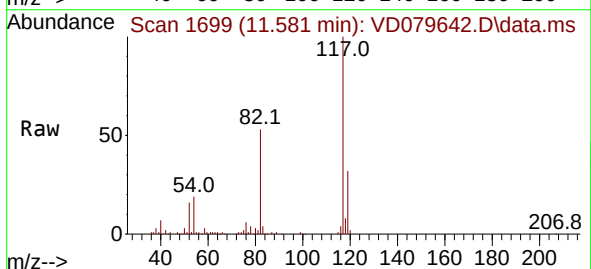
Instrument :
MSVOA_D
ClientSampleId :

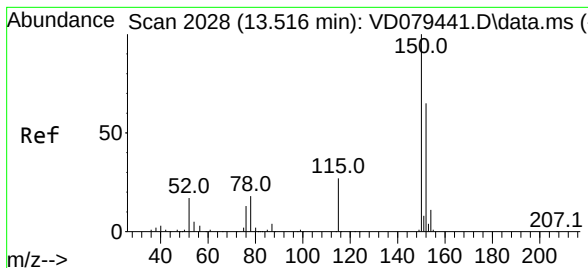
Tgt Ion: 95 Resp: 125273
Ion Ratio Lower Upper
95 100
174 90.5 0.0 195.4
176 85.5 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Tgt Ion: 117 Resp: 342870
Ion Ratio Lower Upper
117 100
82 53.1 39.8 59.6
119 32.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

Instrument :

MSVOA_D

ClientSampleId :

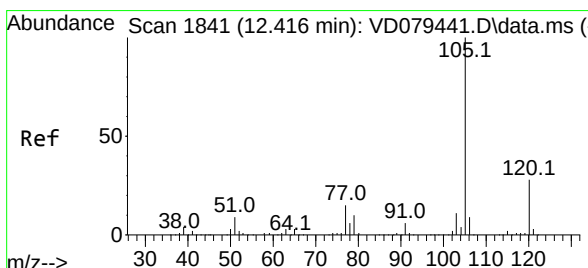
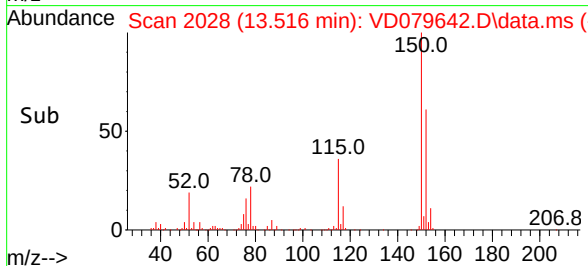
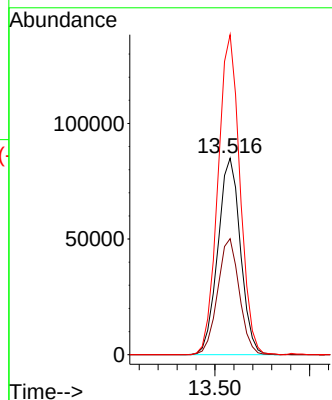
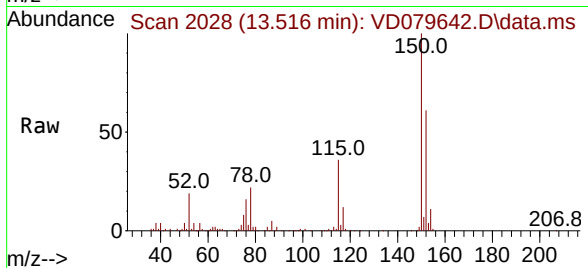
Tgt Ion:152 Resp: 140532

Ion Ratio Lower Upper

152 100

115 56.9 26.5 79.5

150 158.6 0.0 341.6



#73

Isopropylbenzene

Concen: 3.654 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VD079642.D

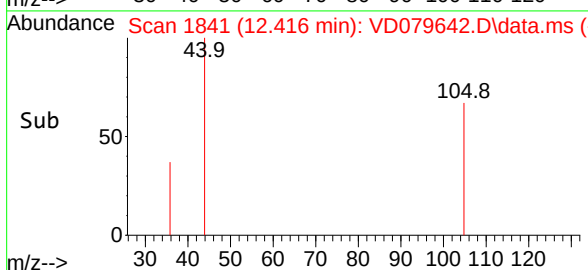
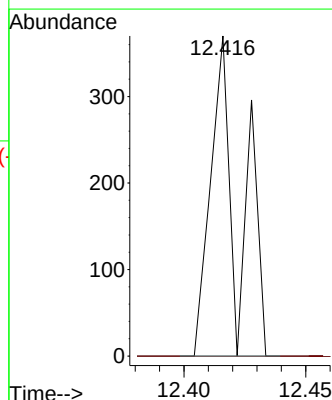
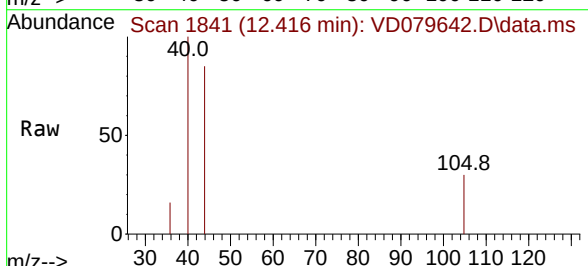
Acq: 07 Aug 2024 15:47

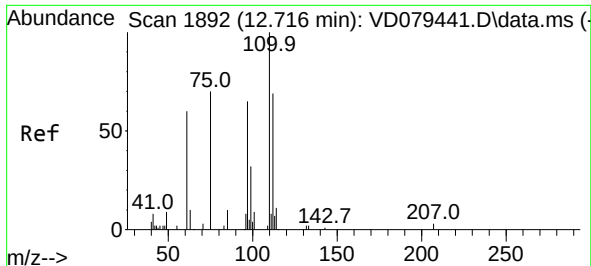
Tgt Ion:105 Resp: 297

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

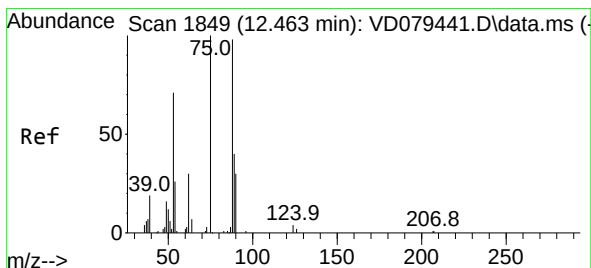
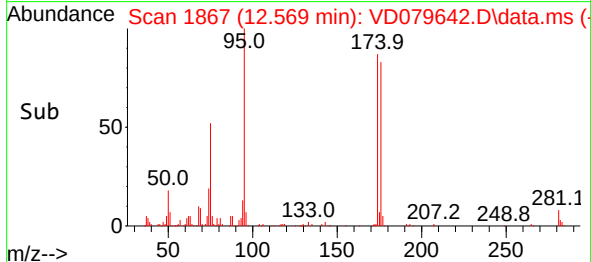
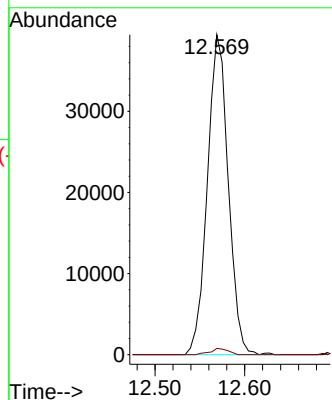
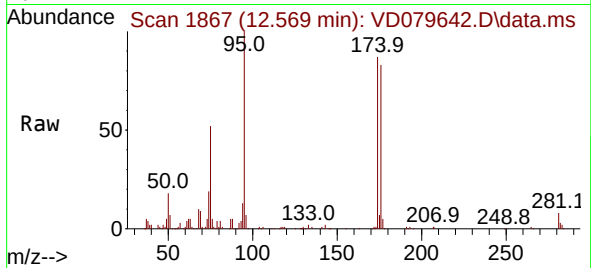




#76
1,2,3-Trichloropropane
Concen: 51.866 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

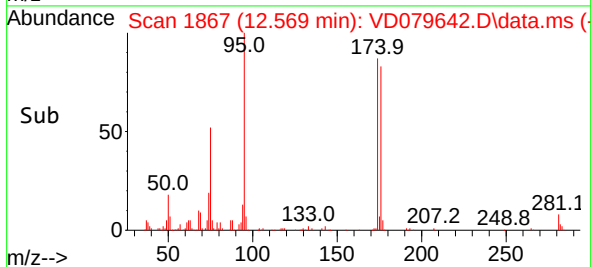
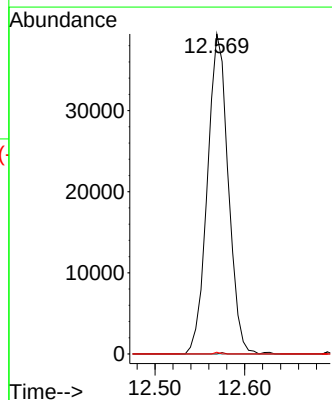
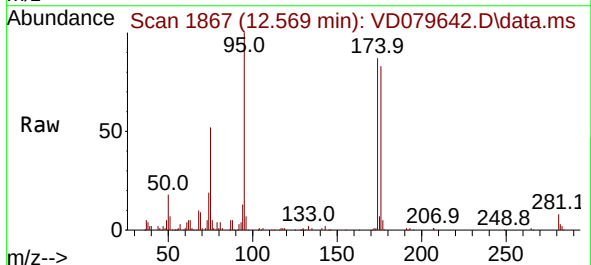
Instrument :
MSVOA_D
ClientSampleId :

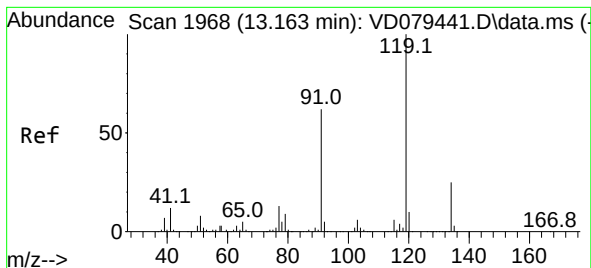
Tgt Ion: 75 Resp: 63712
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.923 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Tgt Ion: 75 Resp: 63712
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.1 35.4 53.0#





#83

tert-Butylbenzene

Concen: 3.634 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.006 min

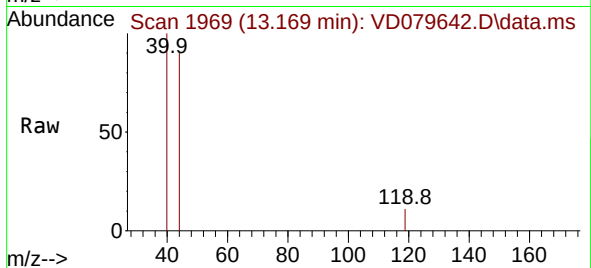
Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

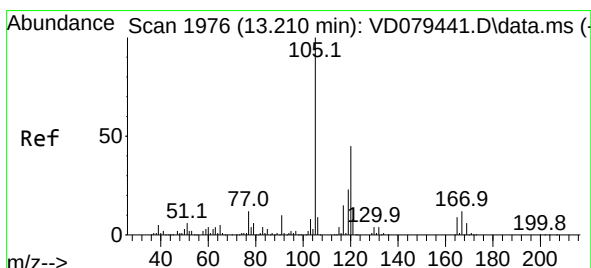
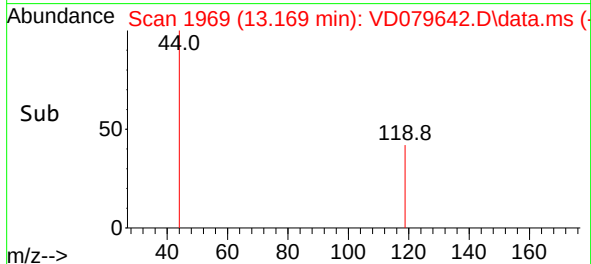
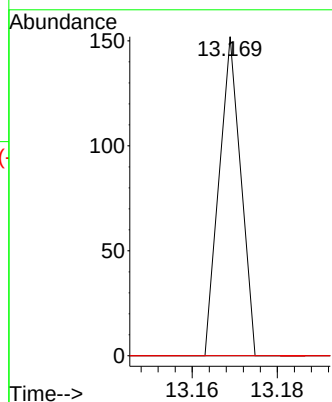
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	119	Resp:	54
Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84

1,2,4-Trimethylbenzene

Concen: 3.458 ug/l

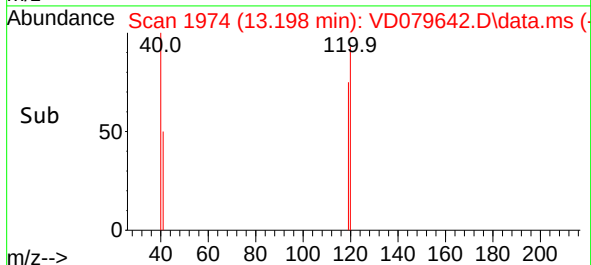
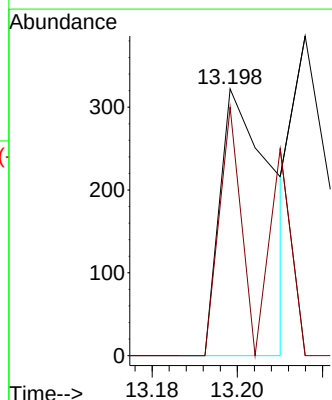
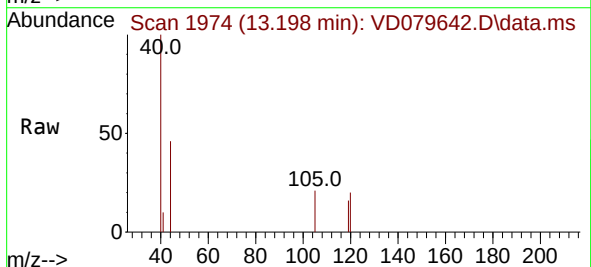
RT: 13.198 min Scan# 1974

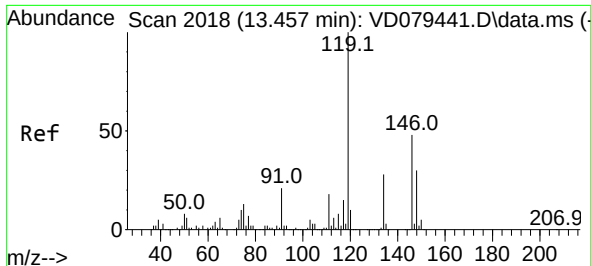
Delta R.T. -0.006 min

Lab File: VD079642.D

Acq: 07 Aug 2024 15:47

Tgt Ion:	105	Resp:	279
Ion	Ratio	Lower	Upper
105	100		
120	69.5	23.6	71.0

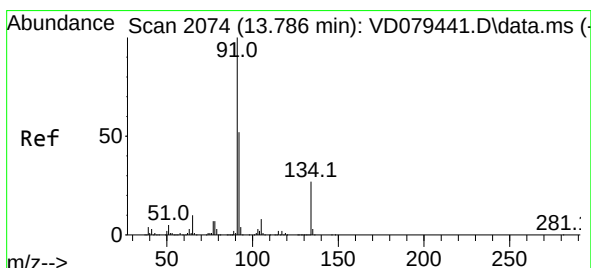
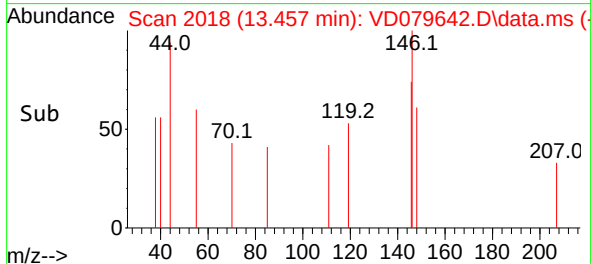
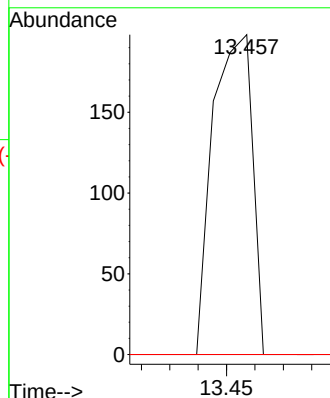
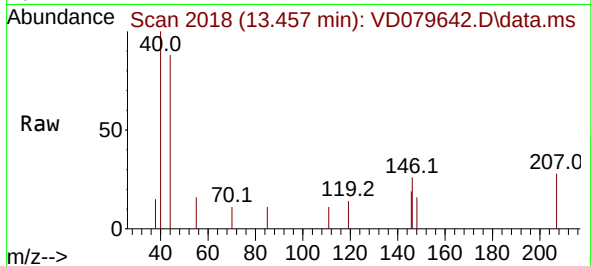




#86
p-Isopropyltoluene
Concen: 3.904 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 191
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.795 ug/l
RT: 13.775 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VD079642.D
Acq: 07 Aug 2024 15:47

Tgt Ion: 91 Resp: 127
Ion Ratio Lower Upper
91 100
92 44.1 25.7 77.0
134 0.0 13.6 40.8#

