

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
 Data File : VD079550.D
 Acq On : 02 Aug 2024 18:54
 Operator : RP/MD
 Sample : P3413-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-073124

Quant Time: Aug 02 19:03:28 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)

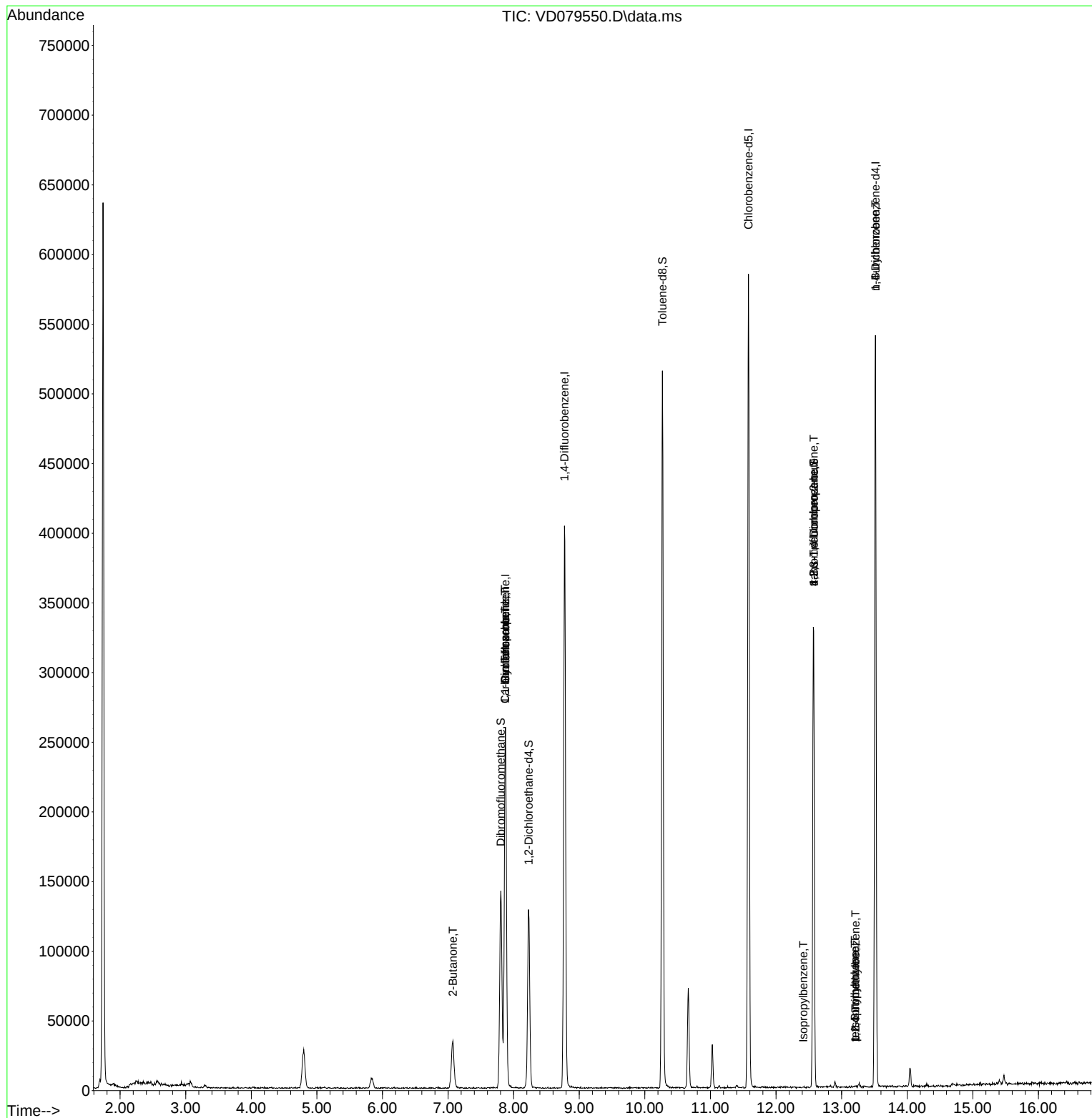
Internal Standards						
1) Pentafluorobenzene	7.875	168	207247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	368415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	342479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100843	47.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.800%
35) Dibromofluoromethane	7.804	113	104894	42.065	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.140%
50) Toluene-d8	10.269	98	361878	37.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.740%
62) 4-Bromofluorobenzene	12.575	95	97393	34.755	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.520%
Target Compounds						
5) Bromomethane	2.687	94	630	Below Cal	Qvalue	90
11) Tert butyl alcohol	5.046	59	210	Below Cal	#	86
20) Methylene Chloride	4.799	84	21964	Below Cal		90
25) 2-Butanone	7.075	43	1747	3.012	ug/l #	40
31) Cyclohexane	7.875	56	4667	1.335	ug/l #	39
36) 1,1-Dichloropropene	7.869	75	15396	4.524	ug/l #	46
38) Carbon Tetrachloride	7.869	117	20153	5.633	ug/l #	16
73) Isopropylbenzene	12.416	105	55	3.632	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	48053	35.481	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48053	67.671	ug/l #	19
83) tert-Butylbenzene	13.204	119	55	3.634	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.210	105	881	3.513	ug/l	87
86) p-Isopropyltoluene	13.204	119	55	3.891	ug/l #	51
89) n-Butylbenzene	13.516	91	439	3.823	ug/l #	34

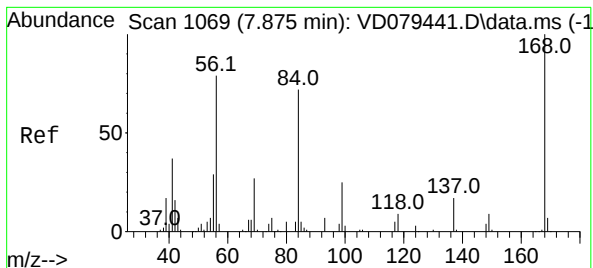
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080224\
Data File : VD079550.D
Acq On : 02 Aug 2024 18:54
Operator : RP/MD
Sample : P3413-01
Misc : 5.06G/5.0ml/MSVOA_D/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

Quant Time: Aug 02 19:03:28 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

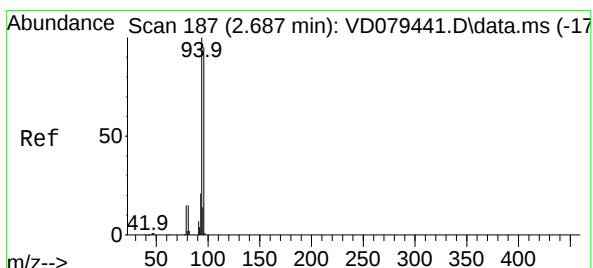
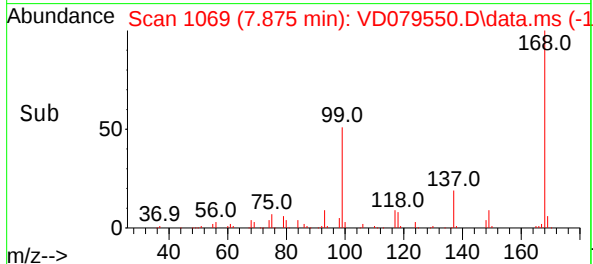
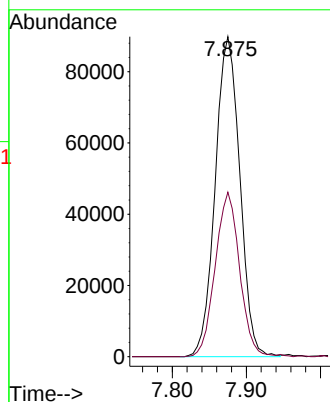
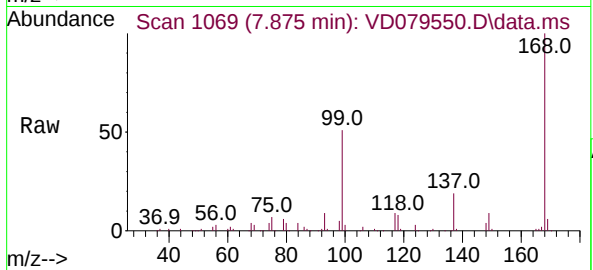




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

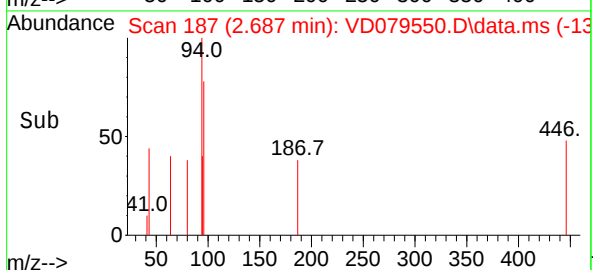
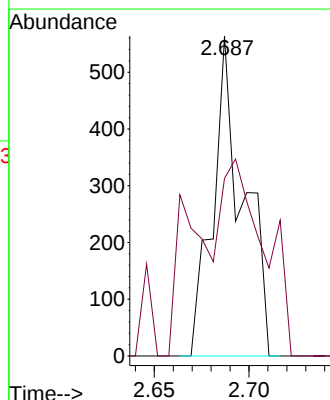
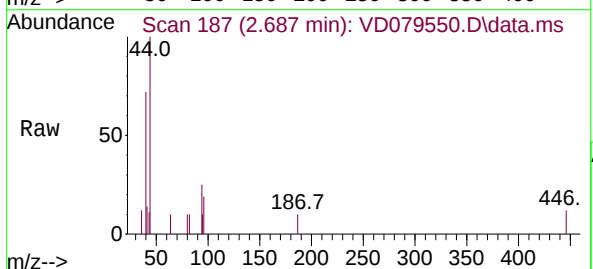
Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

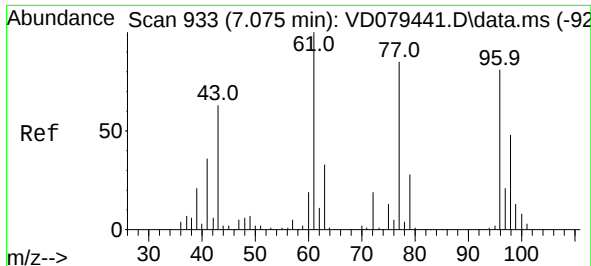
Tgt Ion:168 Resp: 207247
Ion Ratio Lower Upper
168 100
99 51.4 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 86.2 76.9 115.3





#25

2-Butanone

Concen: 3.012 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

Instrument :

MSVOA_D

ClientSampleId :

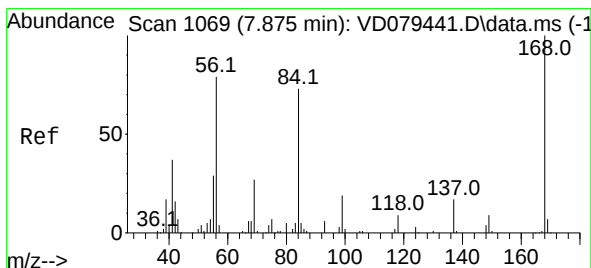
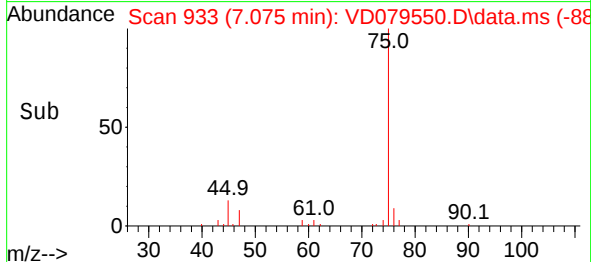
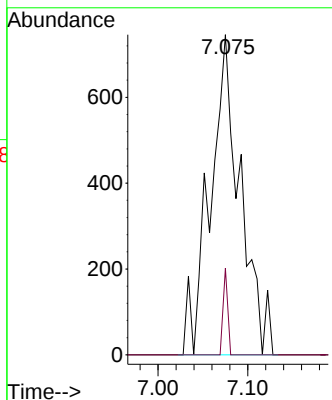
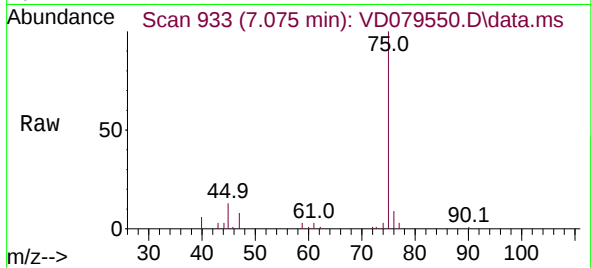
EO-02-073124

Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

72 66.9 26.4 39.6#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

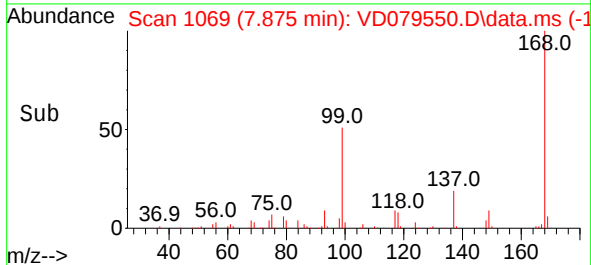
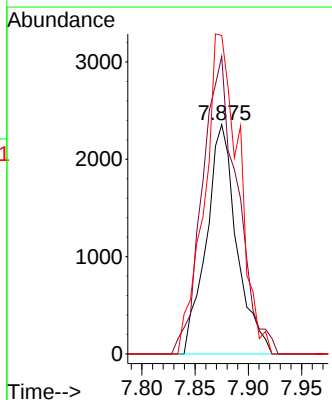
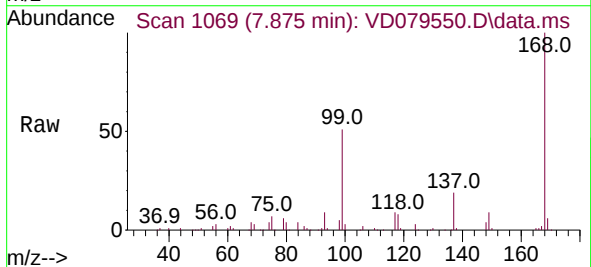
Tgt Ion: 56 Resp: 4667

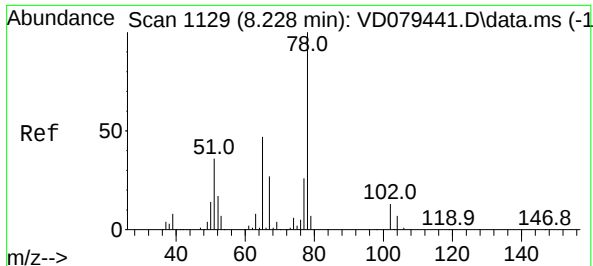
Ion Ratio Lower Upper

56 100

69 129.9 28.0 42.0#

84 139.0 87.4 131.0#

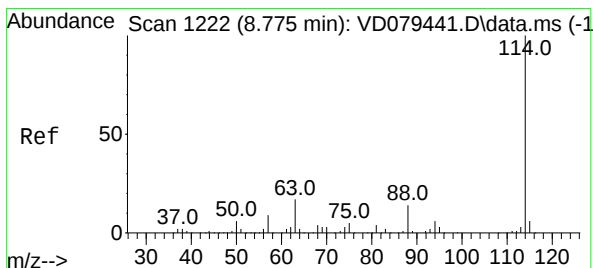
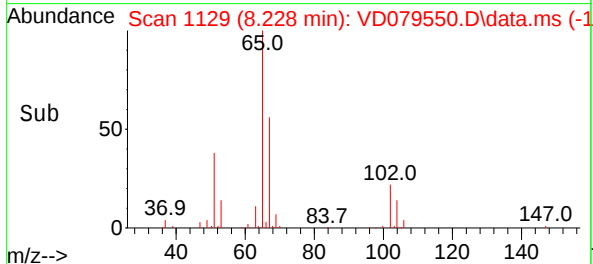
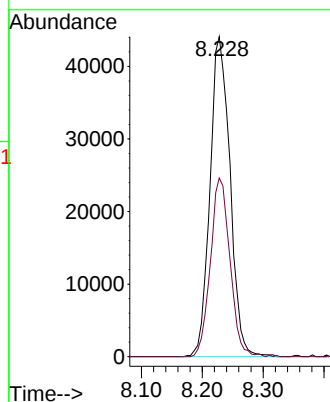
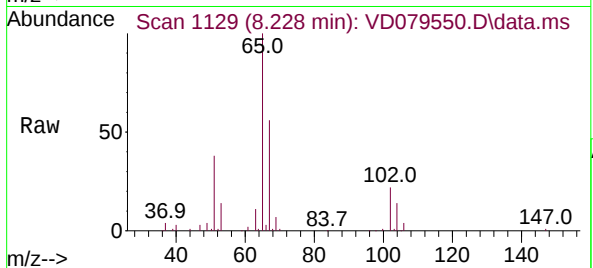




#33
1,2-Dichloroethane-d4
Concen: 47.897 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

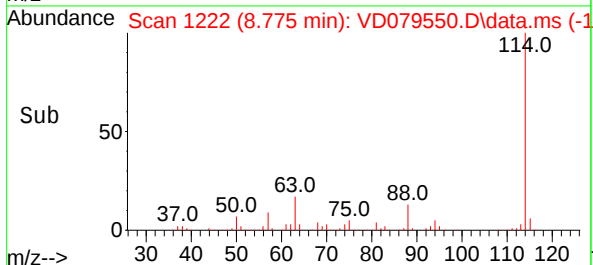
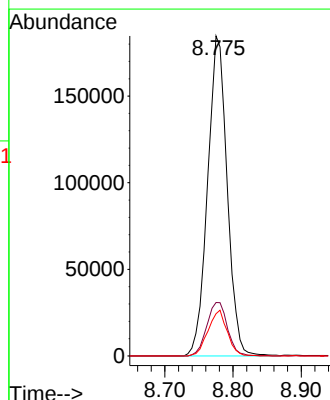
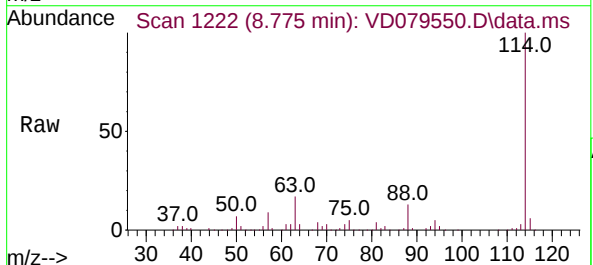
Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

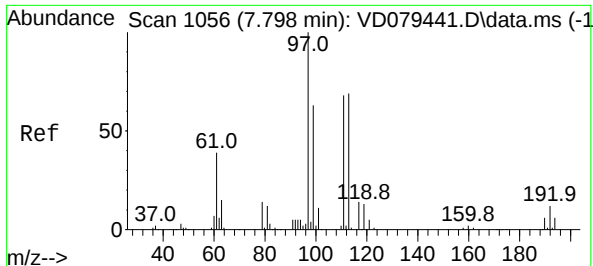
Tgt Ion: 65 Resp: 100843
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Tgt Ion: 114 Resp: 368415
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.0
88 13.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 42.065 ug/l

RT: 7.804 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

Instrument :

MSVOA_D

ClientSampleId :

EO-02-073124

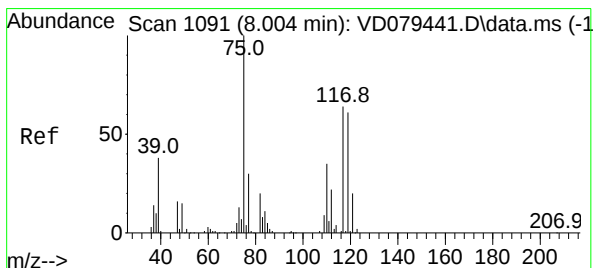
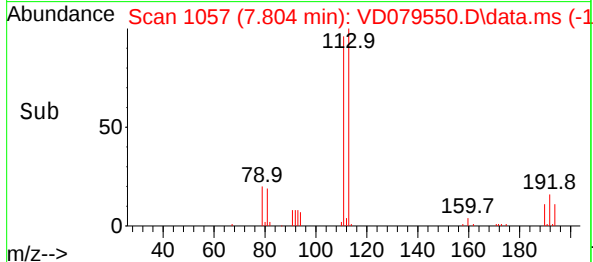
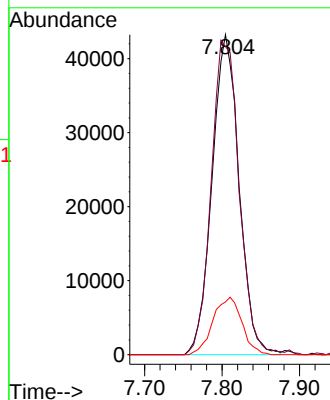
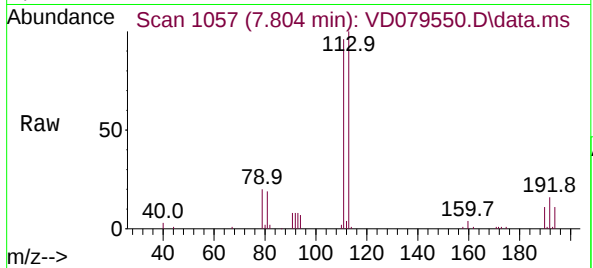
Tgt Ion:113 Resp: 104894

Ion Ratio Lower Upper

113 100

111 101.7 84.0 126.0

192 19.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.524 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

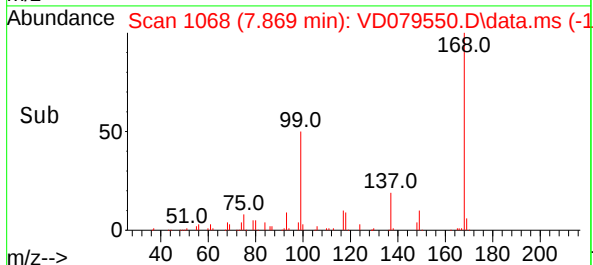
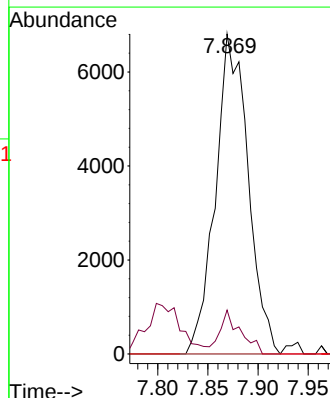
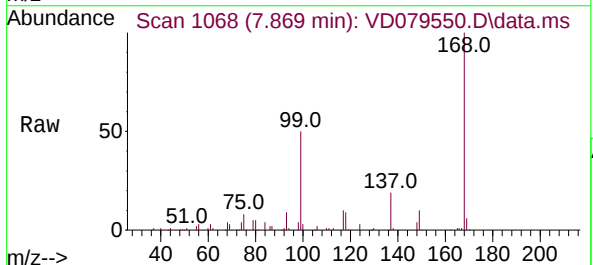
Tgt Ion: 75 Resp: 15396

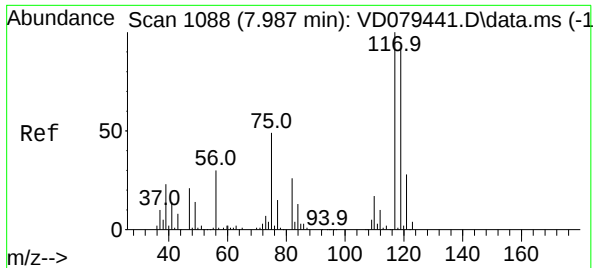
Ion Ratio Lower Upper

75 100

110 8.5 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.633 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.118 min

Lab File: VD079550.D

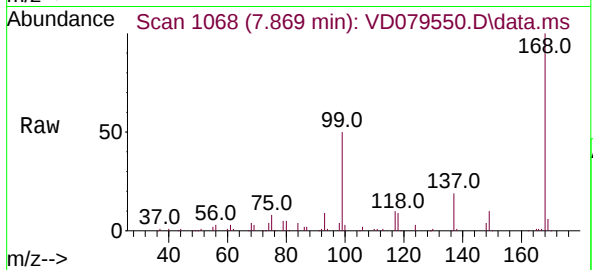
Acq: 02 Aug 2024 18:54

Instrument :

MSVOA_D

ClientSampleId :

EO-02-073124



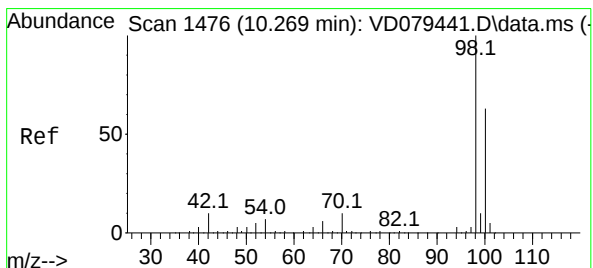
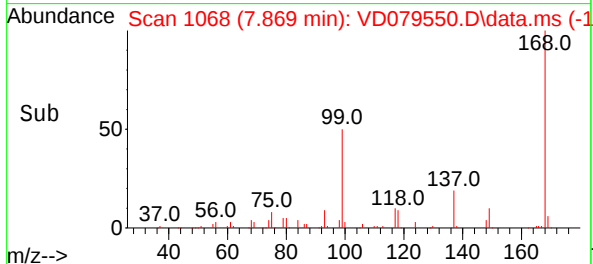
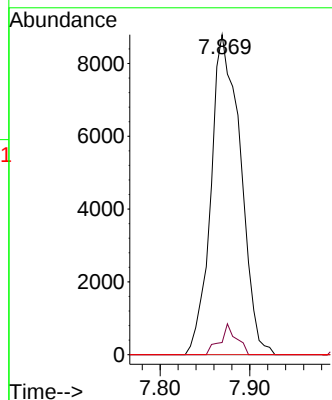
Tgt Ion:117 Resp: 20153

Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 37.370 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079550.D

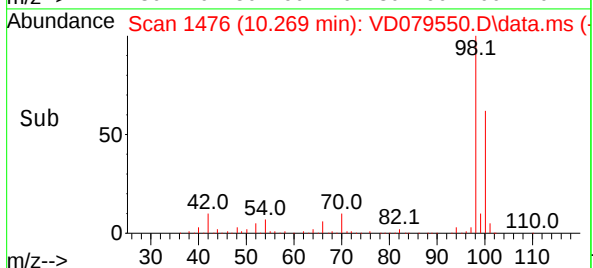
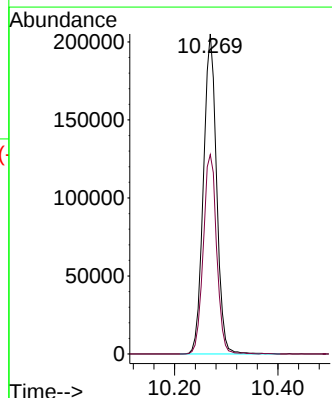
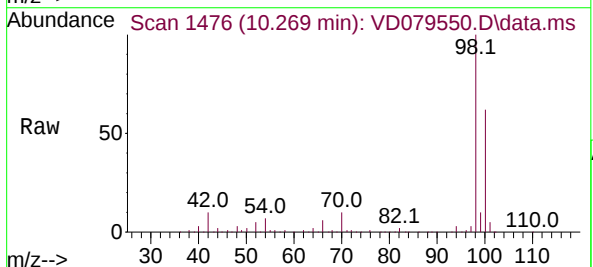
Acq: 02 Aug 2024 18:54

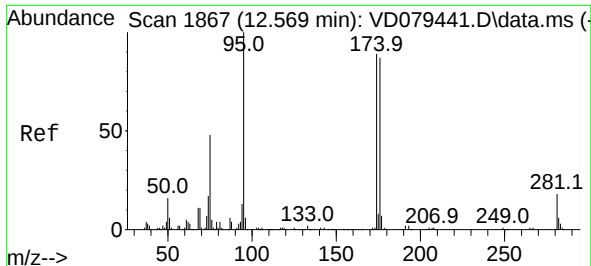
Tgt Ion: 98 Resp: 361878

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 34.755 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

Instrument :

MSVOA_D

ClientSampleId :

EO-02-073124

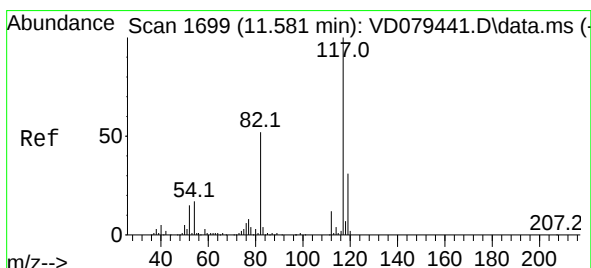
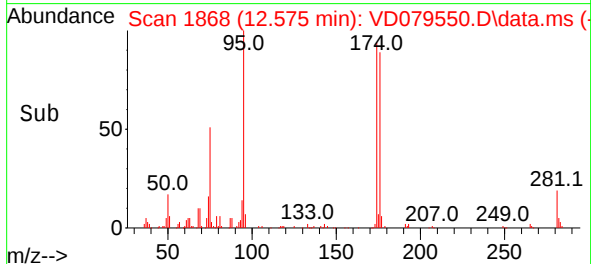
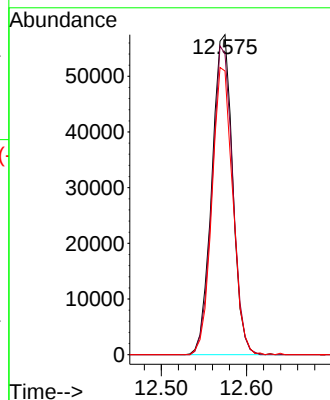
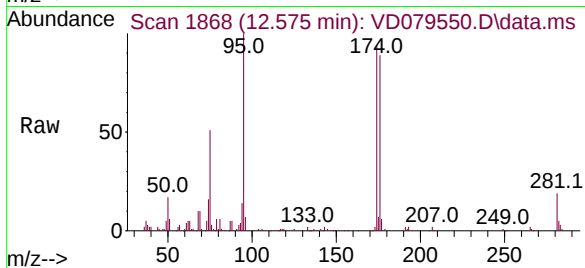
Tgt Ion: 95 Resp: 97393

Ion Ratio Lower Upper

95 100

174 95.6 0.0 195.4

176 89.4 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: VD079550.D

Acq: 02 Aug 2024 18:54

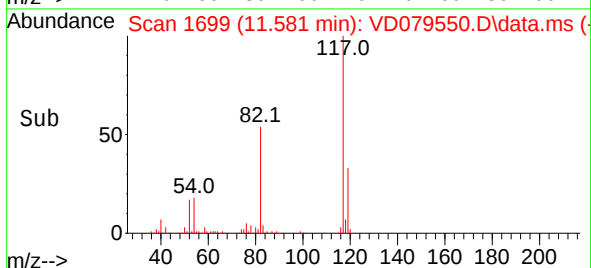
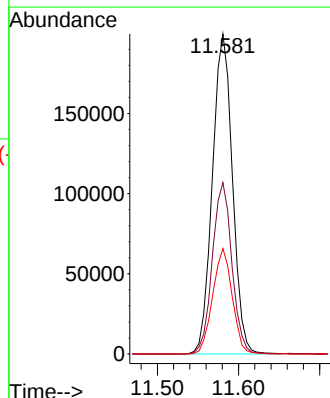
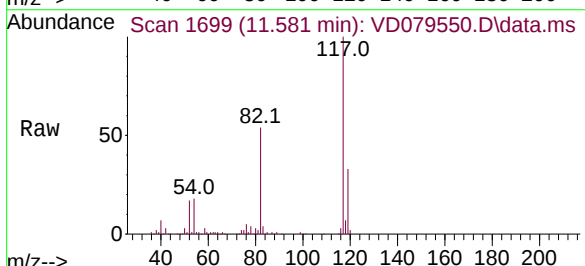
Tgt Ion: 117 Resp: 342479

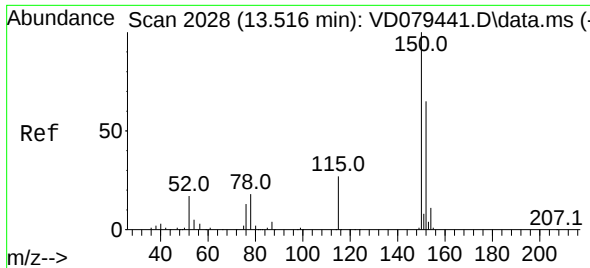
Ion Ratio Lower Upper

117 100

82 53.6 39.8 59.6

119 33.0 25.7 38.5

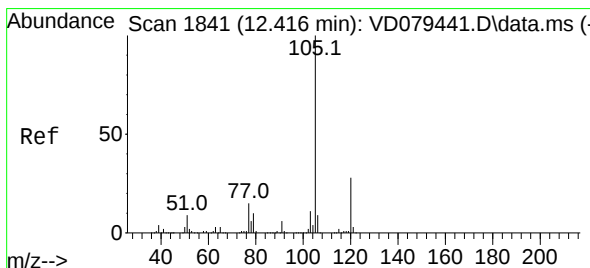
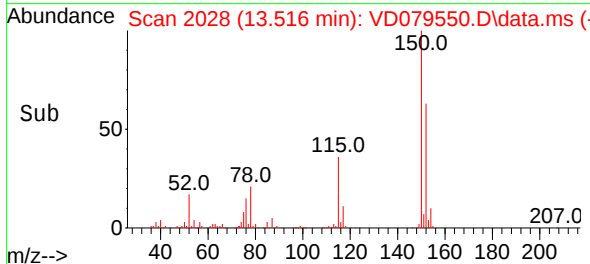
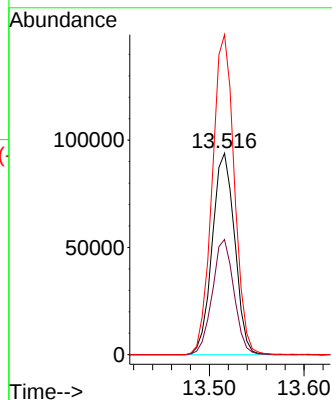
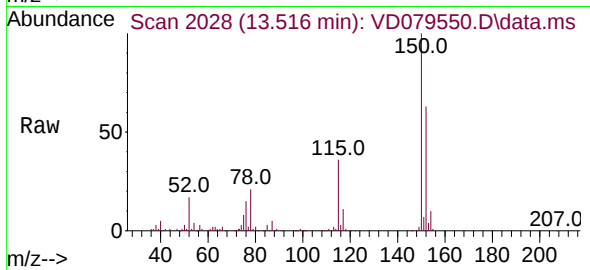




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

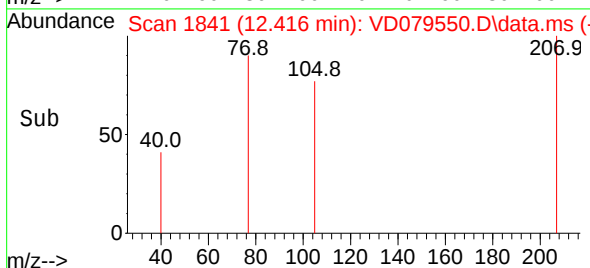
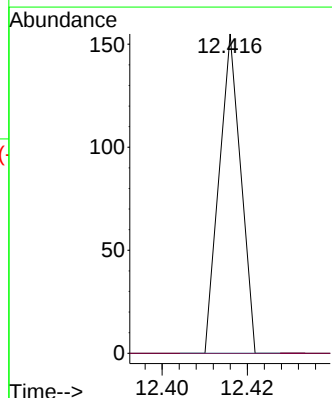
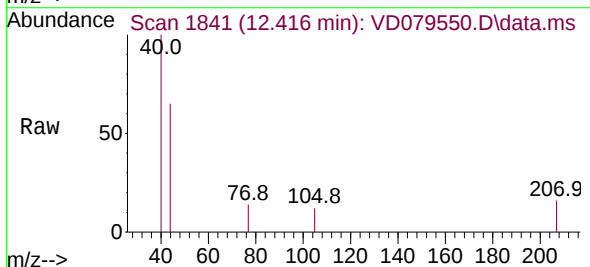
Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

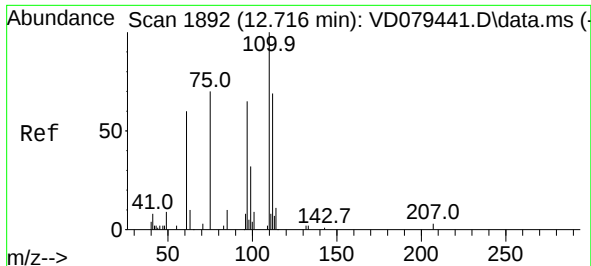
Tgt Ion:152 Resp: 154941
Ion Ratio Lower Upper
152 100
115 55.3 26.5 79.5
150 156.2 0.0 341.6



#73
Isopropylbenzene
Concen: 3.632 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Tgt Ion:105 Resp: 55
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

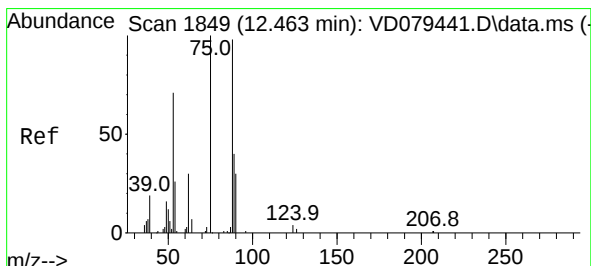
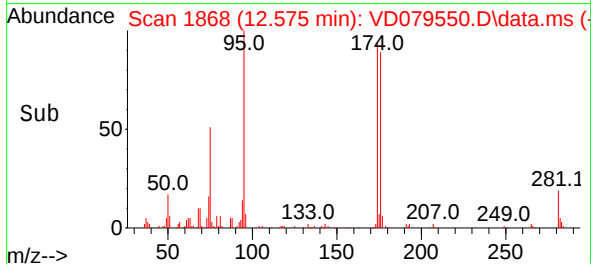
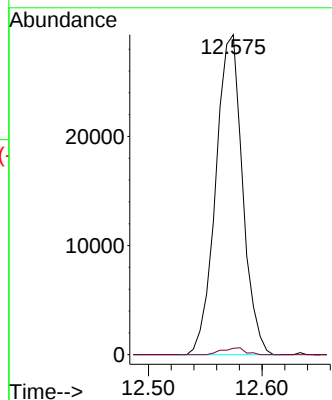
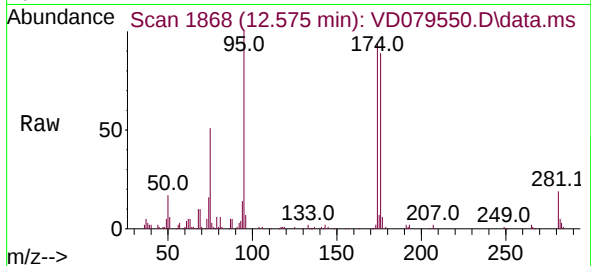




#76
1,2,3-Trichloropropane
Concen: 35.481 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

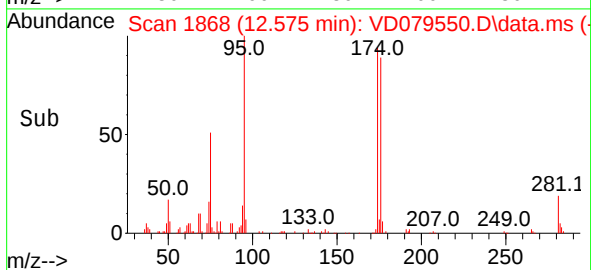
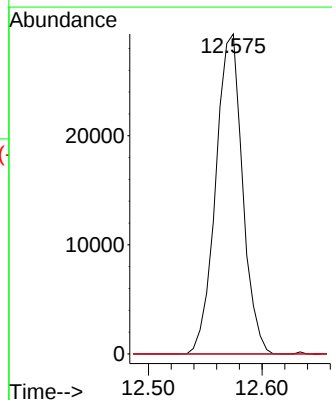
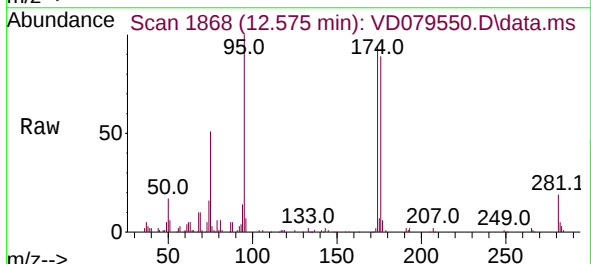
Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

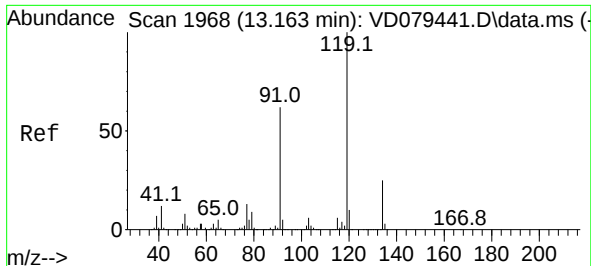
Tgt Ion: 75 Resp: 48053
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.671 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Tgt Ion: 75 Resp: 48053
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#83

tert-Butylbenzene

Concen: 3.634 ug/l

RT: 13.204 min Scan# 1975

Delta R.T. 0.041 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

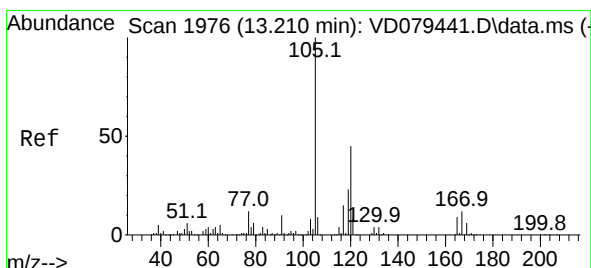
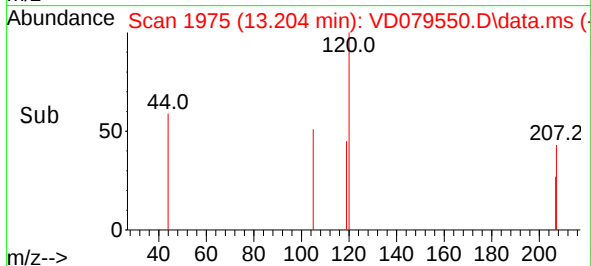
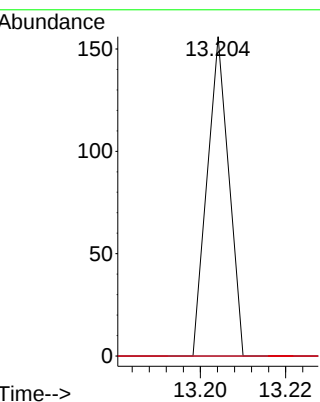
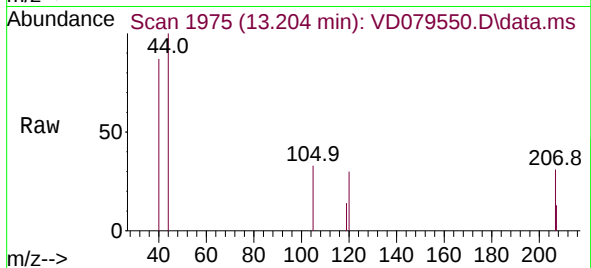
Instrument :

MSVOA_D

ClientSampleId :

EO-02-073124

Tgt Ion:119	Resp:	55
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: 3.513 ug/l

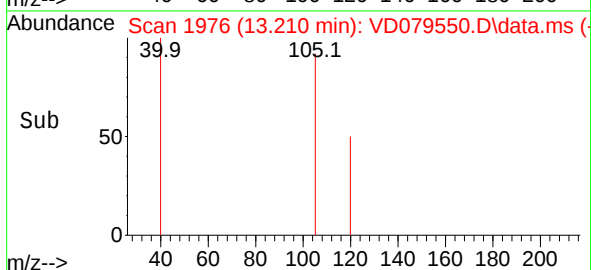
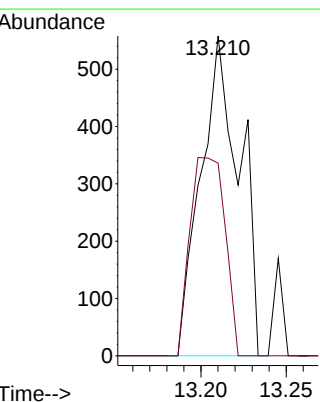
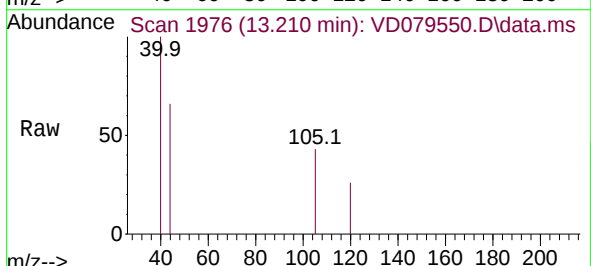
RT: 13.210 min Scan# 1976

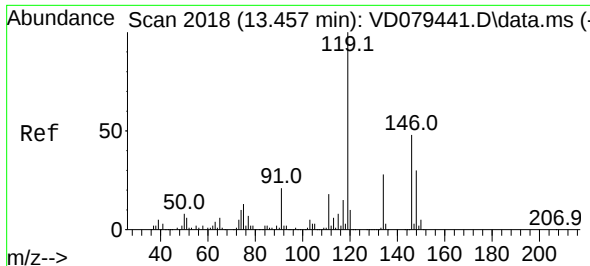
Delta R.T. 0.006 min

Lab File: VD079550.D

Acq: 02 Aug 2024 18:54

Tgt Ion:105	Resp:	881
Ion Ratio	Lower	Upper
105	100	
120	56.1	23.6 71.0

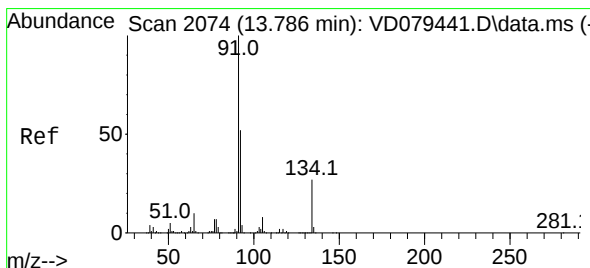
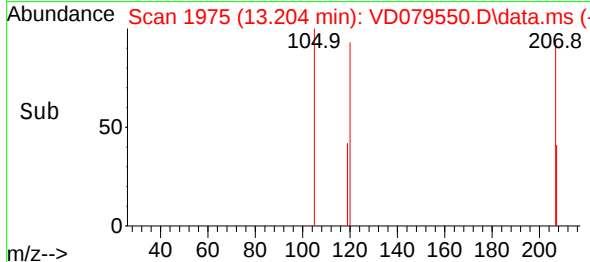
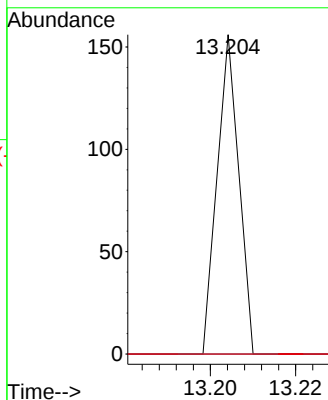
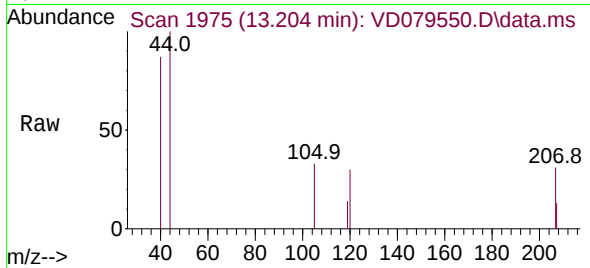




#86
p-Isopropyltoluene
Concen: 3.891 ug/l
RT: 13.204 min Scan# 11
Delta R.T. -0.253 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Instrument :
MSVOA_D
ClientSampleId :
EO-02-073124

Tgt Ion:119 Resp: 55
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.823 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.265 min
Lab File: VD079550.D
Acq: 02 Aug 2024 18:54

Tgt Ion: 91 Resp: 439
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

