

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068815.D
 Acq On : 09 Apr 2021 16:46
 Operator : VA/SY
 Sample : M1979-01RE
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1RE

Quant Time: Apr 10 00:44:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	415825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	712350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	777809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	386957	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	183587	41.77	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.54%
35) Dibromofluoromethane	7.920	113	217269	46.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.78%
50) Toluene-d8	10.338	98	964557	55.18	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.36%
62) 4-Bromofluorobenzene	12.626	95	446682	76.95	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	153.90%#

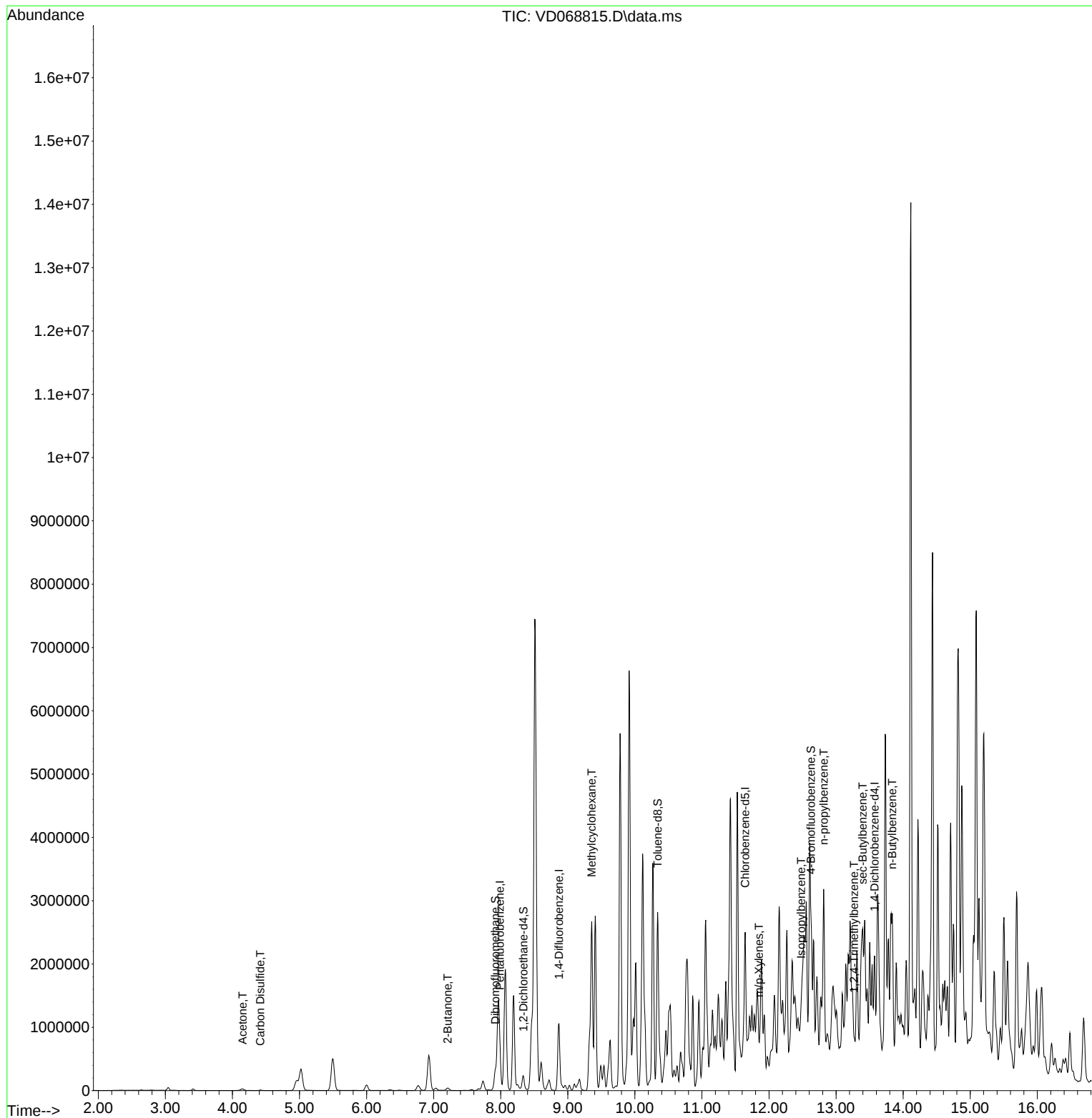
Target Compounds						Qvalue
16) Acetone	4.150	43	21613	35.51	ug/l #	69
17) Carbon Disulfide	4.415	76	15007	1.11	ug/l	97
25) 2-Butanone	7.208	43	16478	19.13	ug/l #	47
39) Methylcyclohexane	9.355	83	432997	51.49	ug/l #	62
68) m/p-Xylenes	11.849	106	63437	5.64	ug/l	88
73) Isopropylbenzene	12.479	105	316985	11.22	ug/l	100
78) n-propylbenzene	12.814	91	1774435	51.71	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	37620	1.58	ug/l	97
85) sec-Butylbenzene	13.396	105	823010	29.10	ug/l #	45
89) n-Butylbenzene	13.838	91	1333834	54.82	ug/l #	80

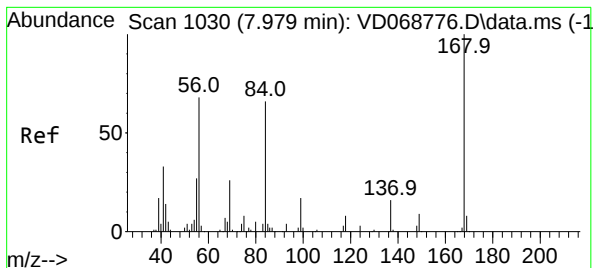
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

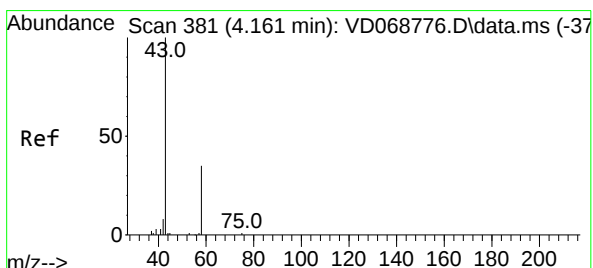
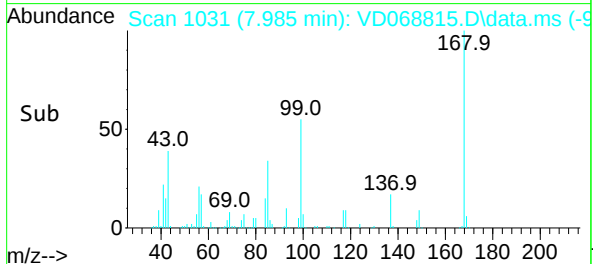
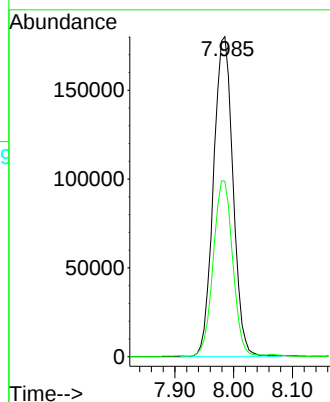
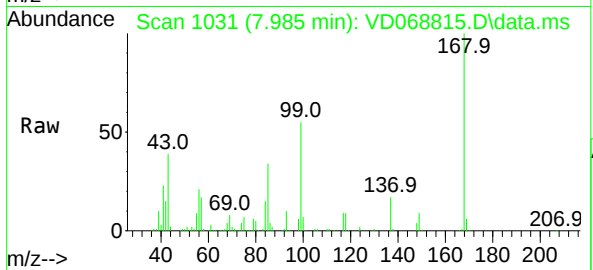




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

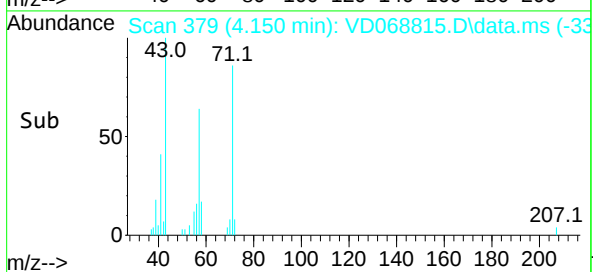
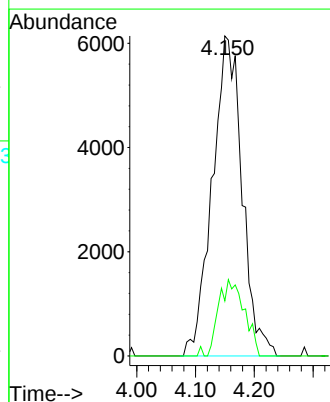
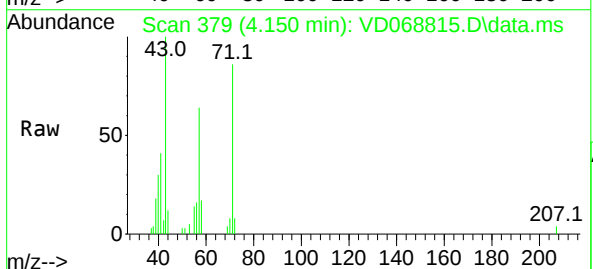
Instrument :
MSVOA_D
ClientSampleId :
S-1RE

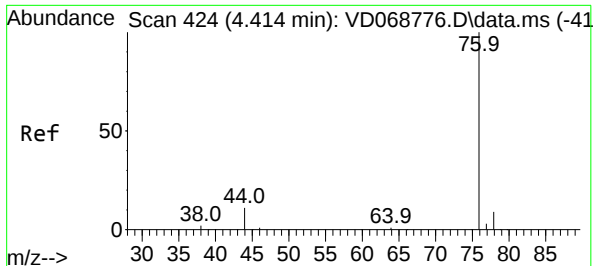
Tgt Ion:168 Resp: 415825
Ion Ratio Lower Upper
168 100
99 54.5 46.2 69.2



#16
Acetone
Concen: 35.51 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

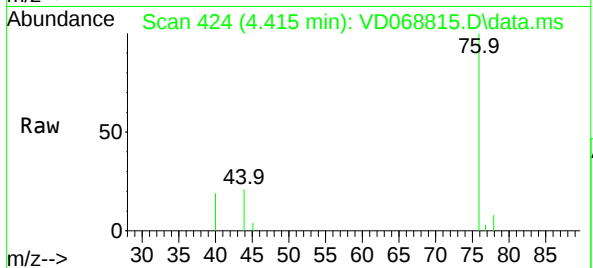
Tgt Ion: 43 Resp: 21613
Ion Ratio Lower Upper
43 100
58 17.2 28.0 42.0#



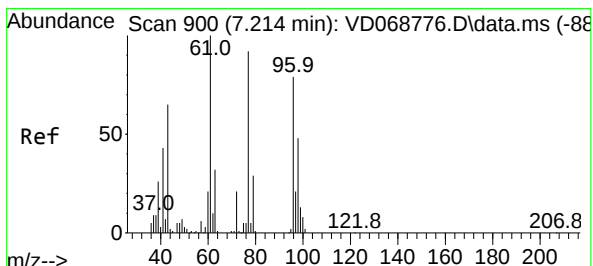
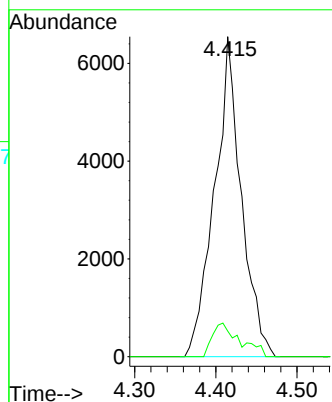
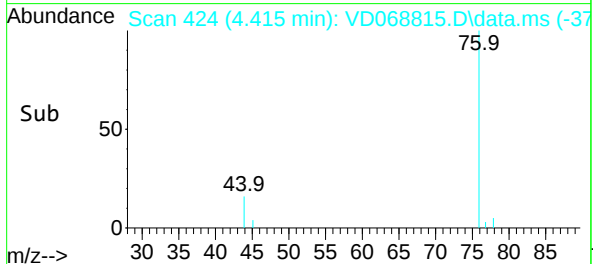


#17
Carbon Disulfide
Concen: 1.11 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

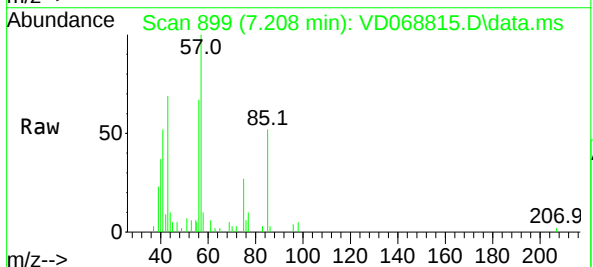
Instrument :
MSVOA_D
ClientSampleId :
S-1RE



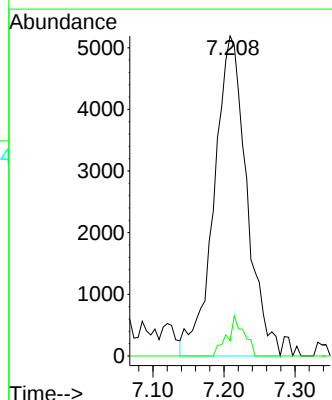
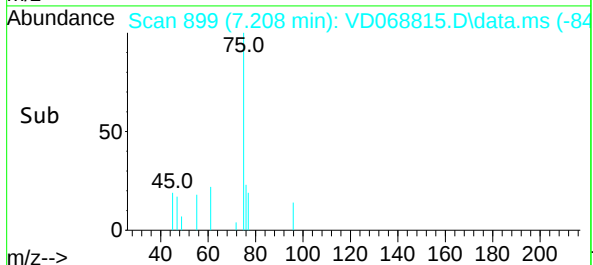
Tgt Ion: 76 Resp: 15007
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9

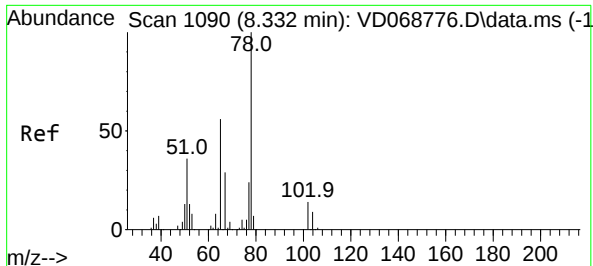


#25
2-Butanone
Concen: 19.13 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46



Tgt Ion: 43 Resp: 16478
Ion Ratio Lower Upper
43 100
72 4.8 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 41.77 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VD068815.D

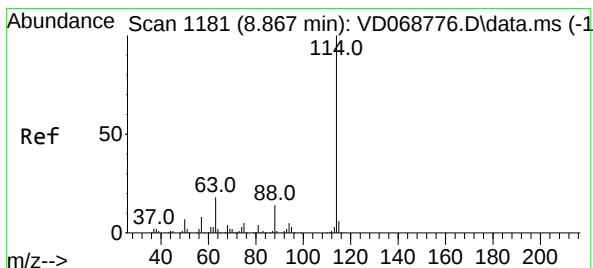
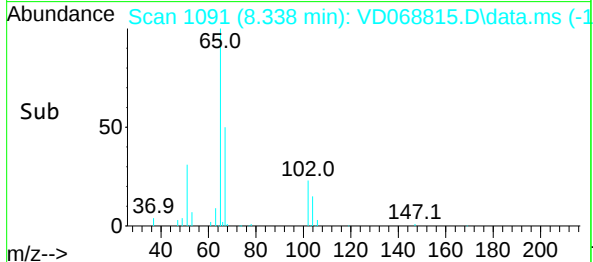
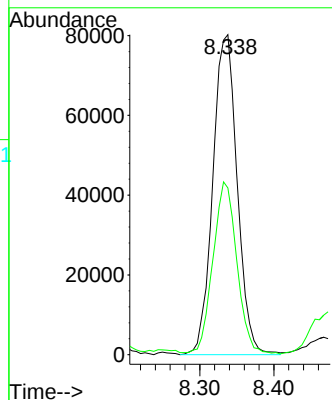
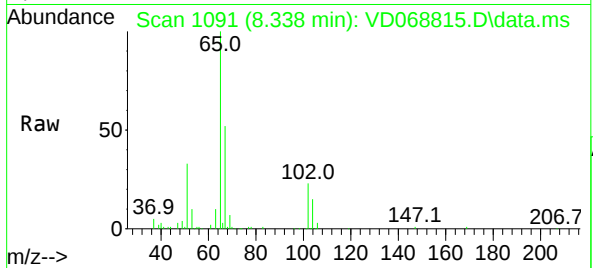
Acq: 09 Apr 2021 16:46

Tgt Ion: 65 Resp: 183587

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068815.D

Acq: 09 Apr 2021 16:46

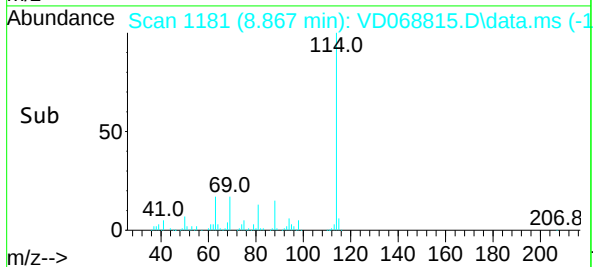
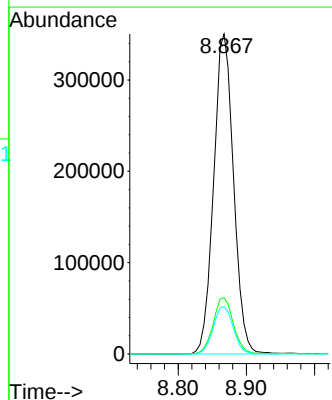
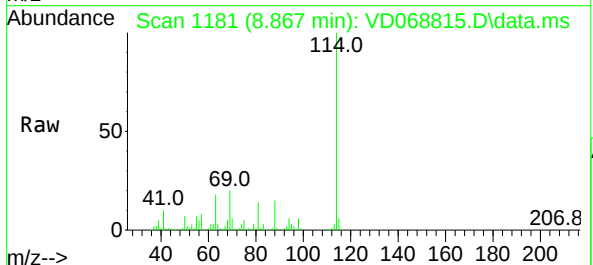
Tgt Ion: 114 Resp: 712350

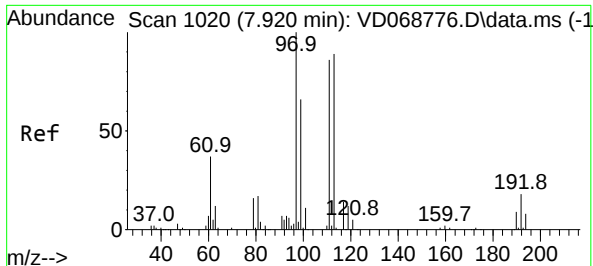
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.2

88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 46.89 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

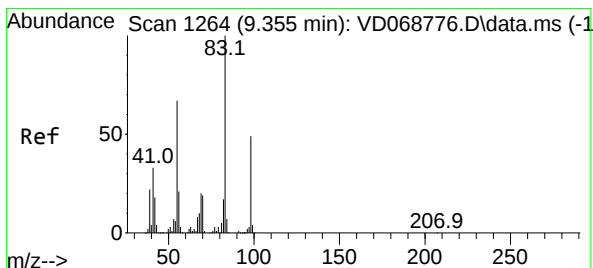
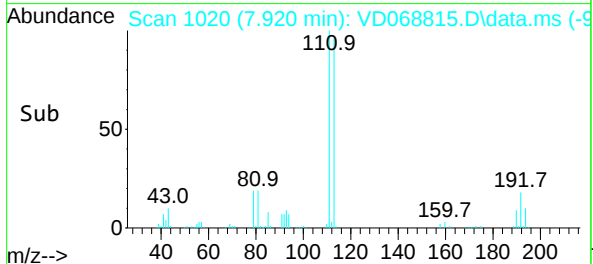
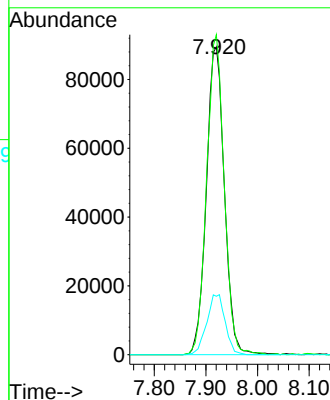
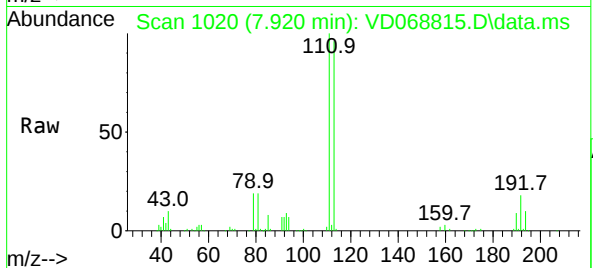
Lab File: VD068815.D

Acq: 09 Apr 2021 16:46

Instrument :
MSVOA_D
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S-1RE

Tgt Ion:113 Resp: 217269

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.5	123.7
192	19.9	15.1	22.7



#39

Methylcyclohexane

Concen: 51.49 ug/l

RT: 9.355 min Scan# 1264

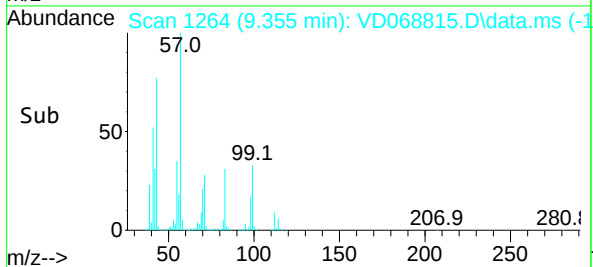
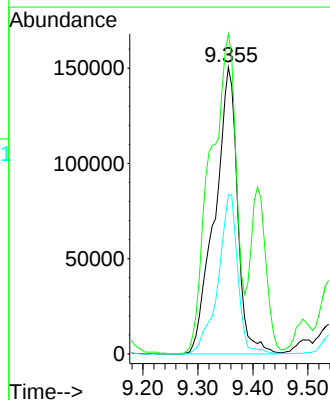
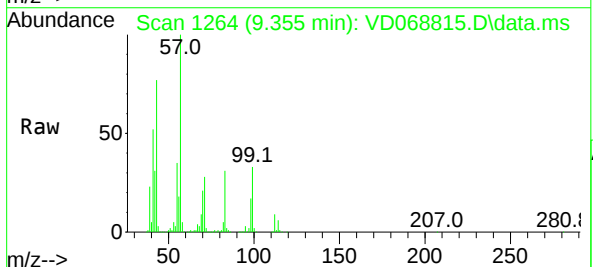
Delta R.T. 0.000 min

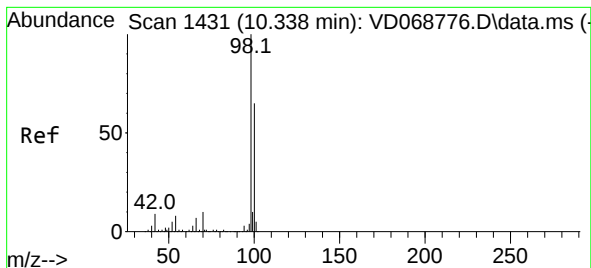
Lab File: VD068815.D

Acq: 09 Apr 2021 16:46

Tgt Ion: 83 Resp: 432997

Ion	Ratio	Lower	Upper
83	100		
55	111.3	51.7	77.5#
98	55.5	38.8	58.2

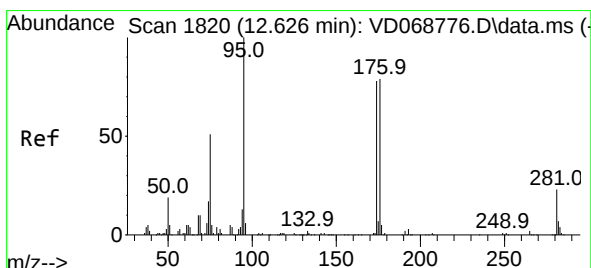
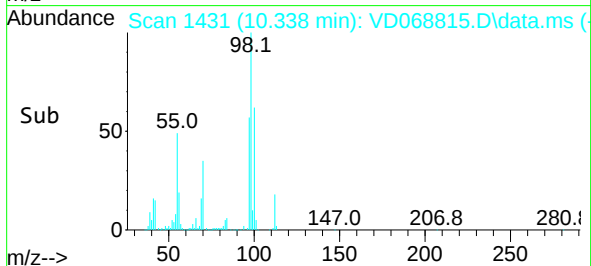
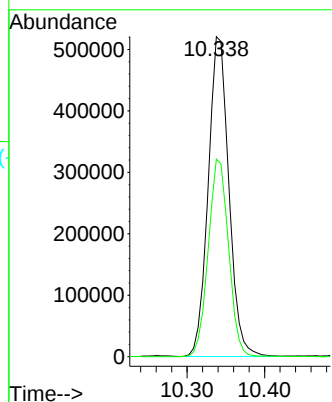
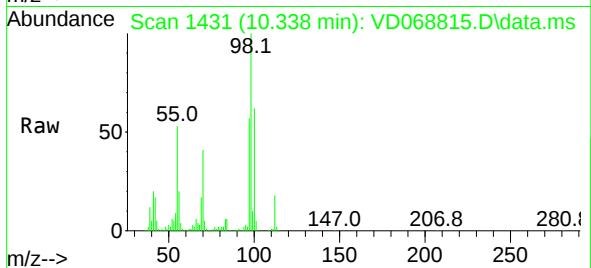




#50
Toluene-d8
Concen: 55.18 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

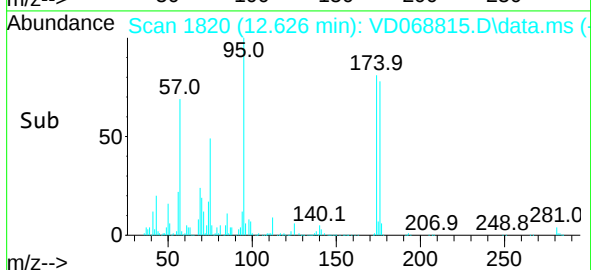
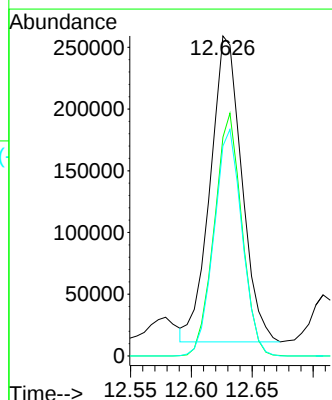
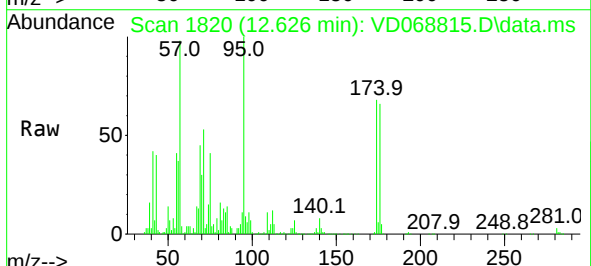
Instrument :
MSVOA_D
ClientSampleId :
S-1RE

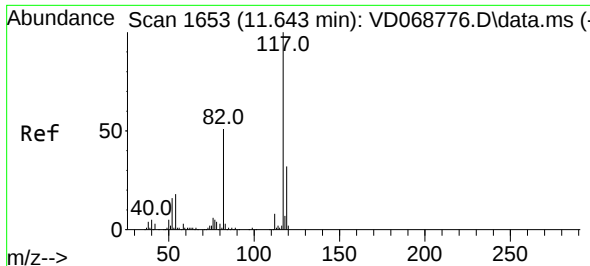
Tgt Ion: 98 Resp: 964557
Ion Ratio Lower Upper
98 100
100 60.7 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 76.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Tgt Ion: 95 Resp: 446682
Ion Ratio Lower Upper
95 100
174 69.2 0.0 168.0
176 66.0 0.0 160.2

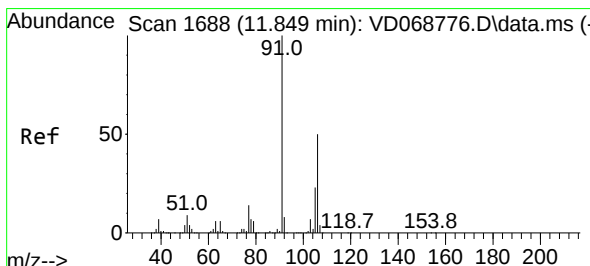
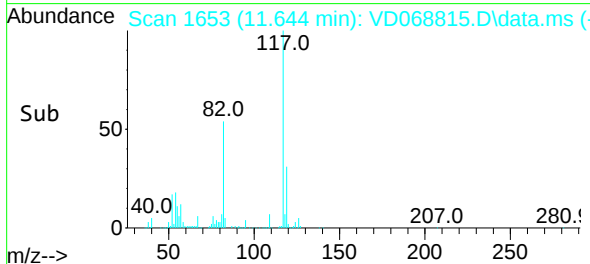
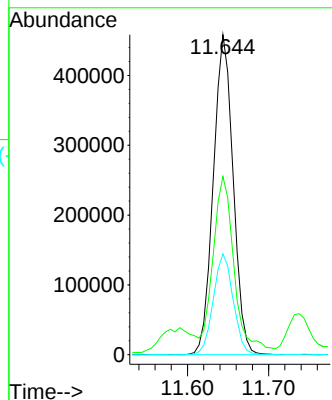
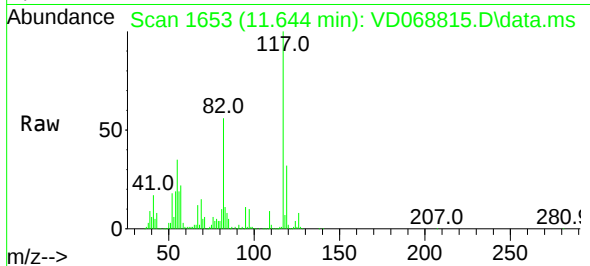




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

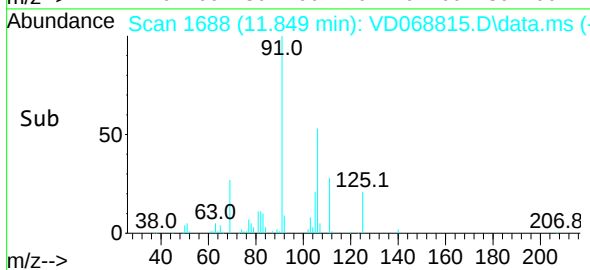
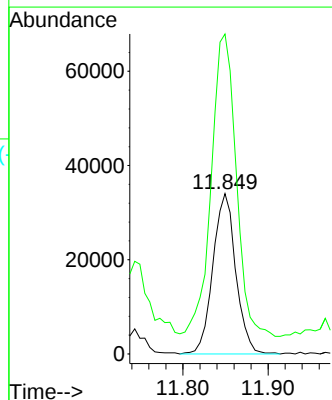
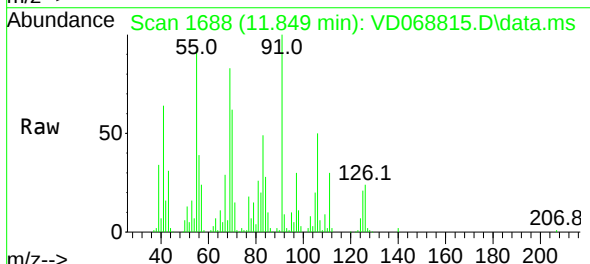
Instrument :
MSVOA_D
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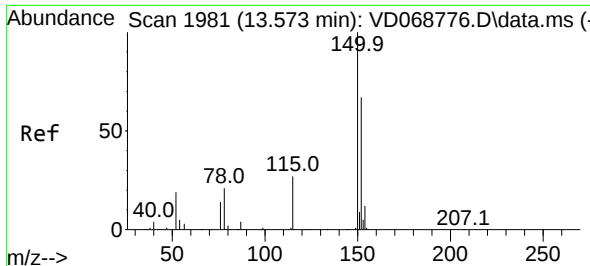
Tgt Ion:117 Resp: 777809
Ion Ratio Lower Upper
117 100
82 52.9 43.5 65.3
119 31.5 26.7 40.1



#68
m/p-Xylenes
Concen: 5.64 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Tgt Ion:106 Resp: 63437
Ion Ratio Lower Upper
106 100
91 216.6 158.6 238.0

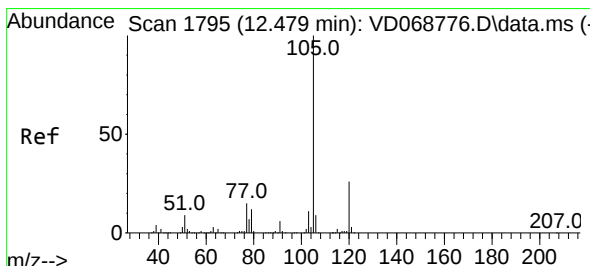
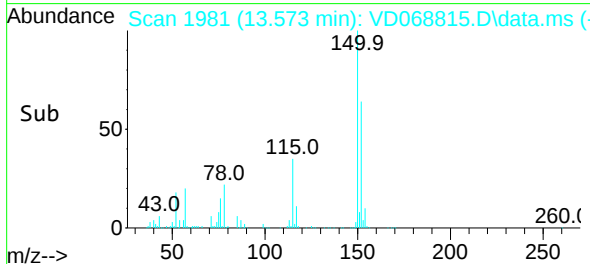
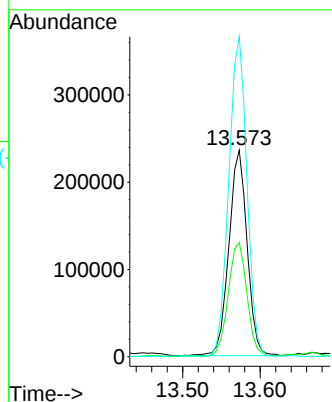
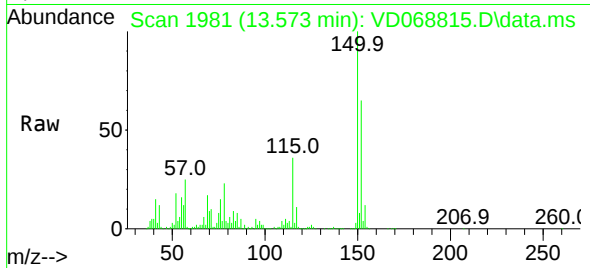




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

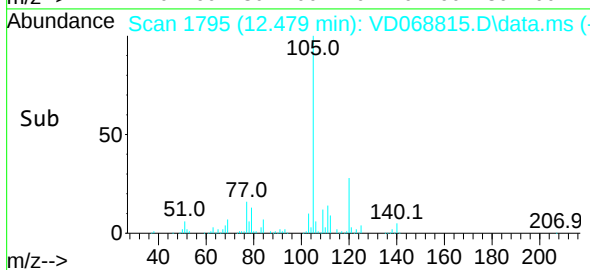
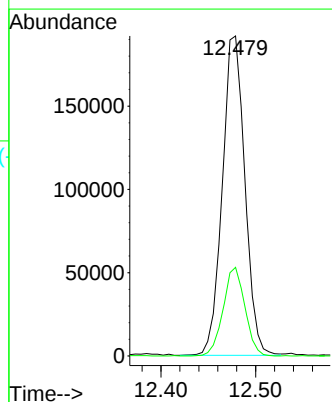
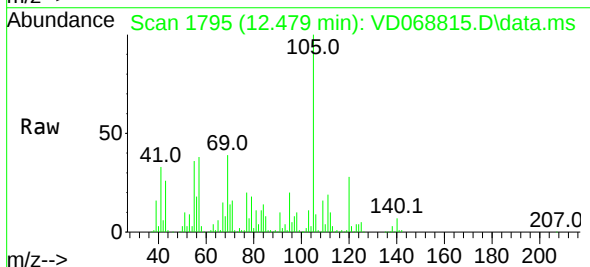
Instrument :
MSVOA_D
ClientSampleId :
S-1RE

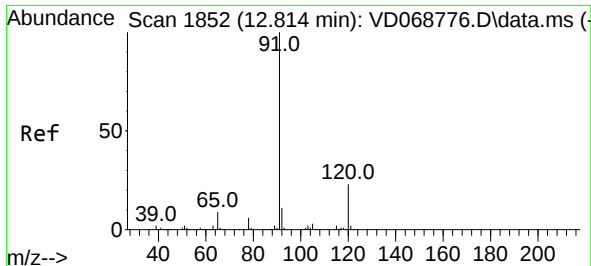
Tgt Ion:152 Resp: 386957
Ion Ratio Lower Upper
152 100
115 55.9 29.3 87.8
150 153.9 0.0 347.6



#73
Isopropylbenzene
Concen: 11.22 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Tgt Ion:105 Resp: 316985
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2

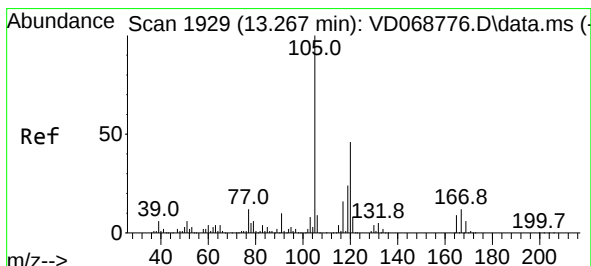
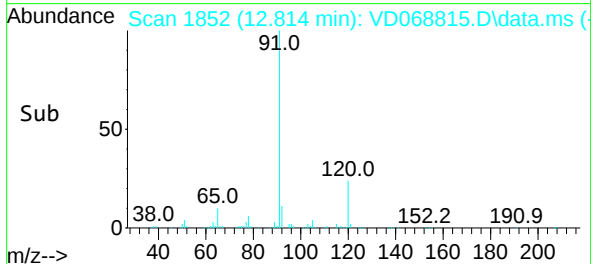
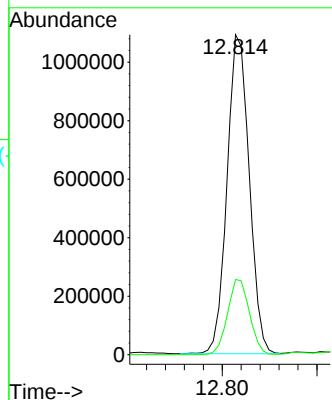
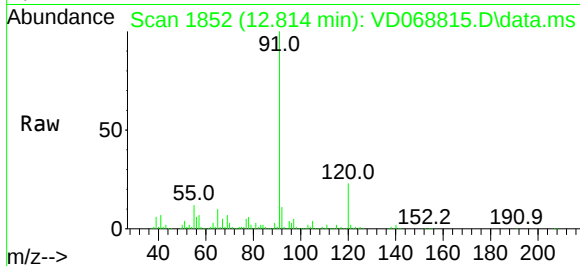




#78
n-propylbenzene
Concen: 51.71 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

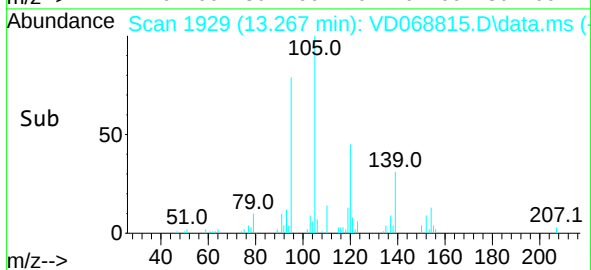
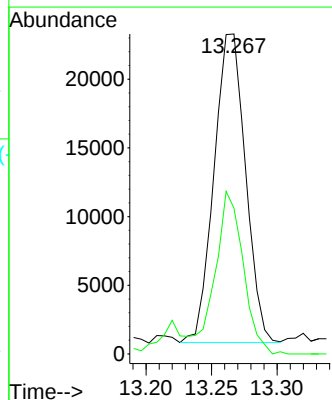
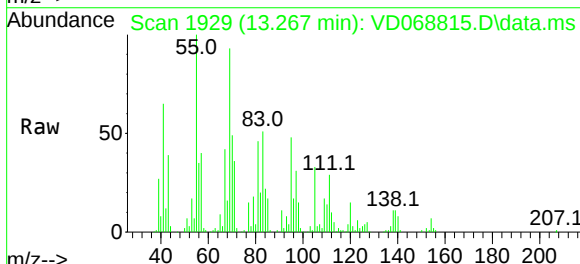
Instrument :
MSVOA_D
ClientSampleId :
S-1RE

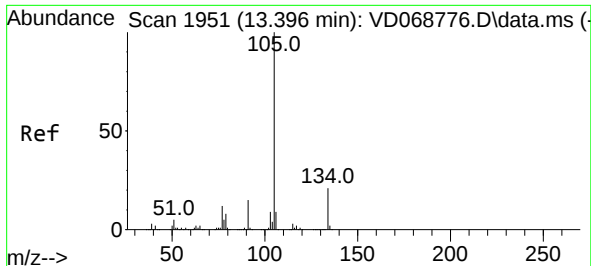
Tgt Ion: 91 Resp: 1774435
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.2



#84
1,2,4-Trimethylbenzene
Concen: 1.58 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Tgt Ion: 105 Resp: 37620
Ion Ratio Lower Upper
105 100
120 47.0 22.6 67.7

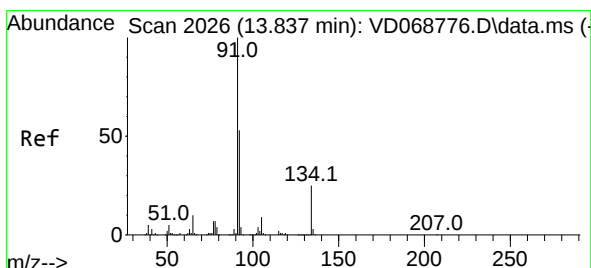
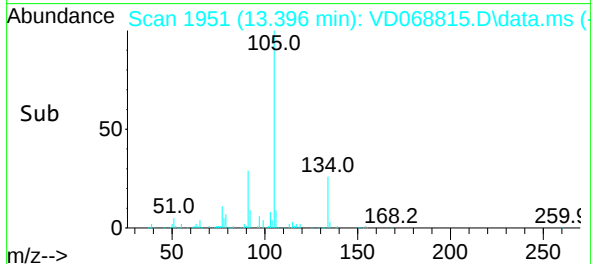
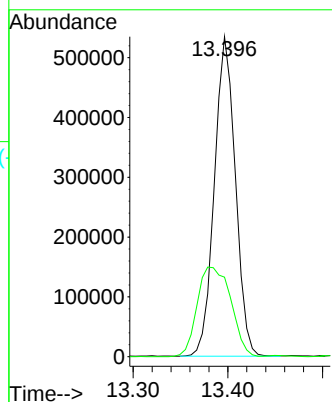
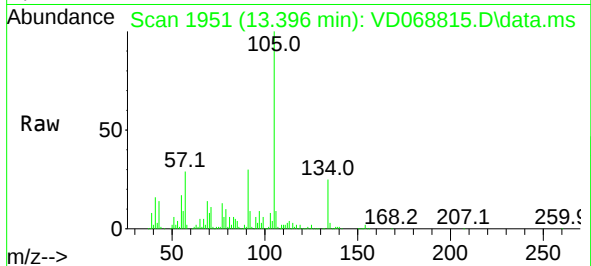




#85
sec-Butylbenzene
Concen: 29.10 ug/l
RT: 13.396 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :
S-1RE

Tgt Ion:105 Resp: 823010
Ion Ratio Lower Upper
105 100
134 45.0 10.0 29.8#



#89
n-Butylbenzene
Concen: 54.82 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.001 min
Lab File: VD068815.D
Acq: 09 Apr 2021 16:46

Tgt Ion: 91 Resp: 1333834
Ion Ratio Lower Upper
91 100
92 46.7 26.7 80.1
134 47.0 12.9 38.6#

