

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080924\
 Data File : VD079694.D
 Acq On : 09 Aug 2024 15:40
 Operator : RP/MD
 Sample : P3526-03
 Misc : 5.26G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 02:11:01 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)

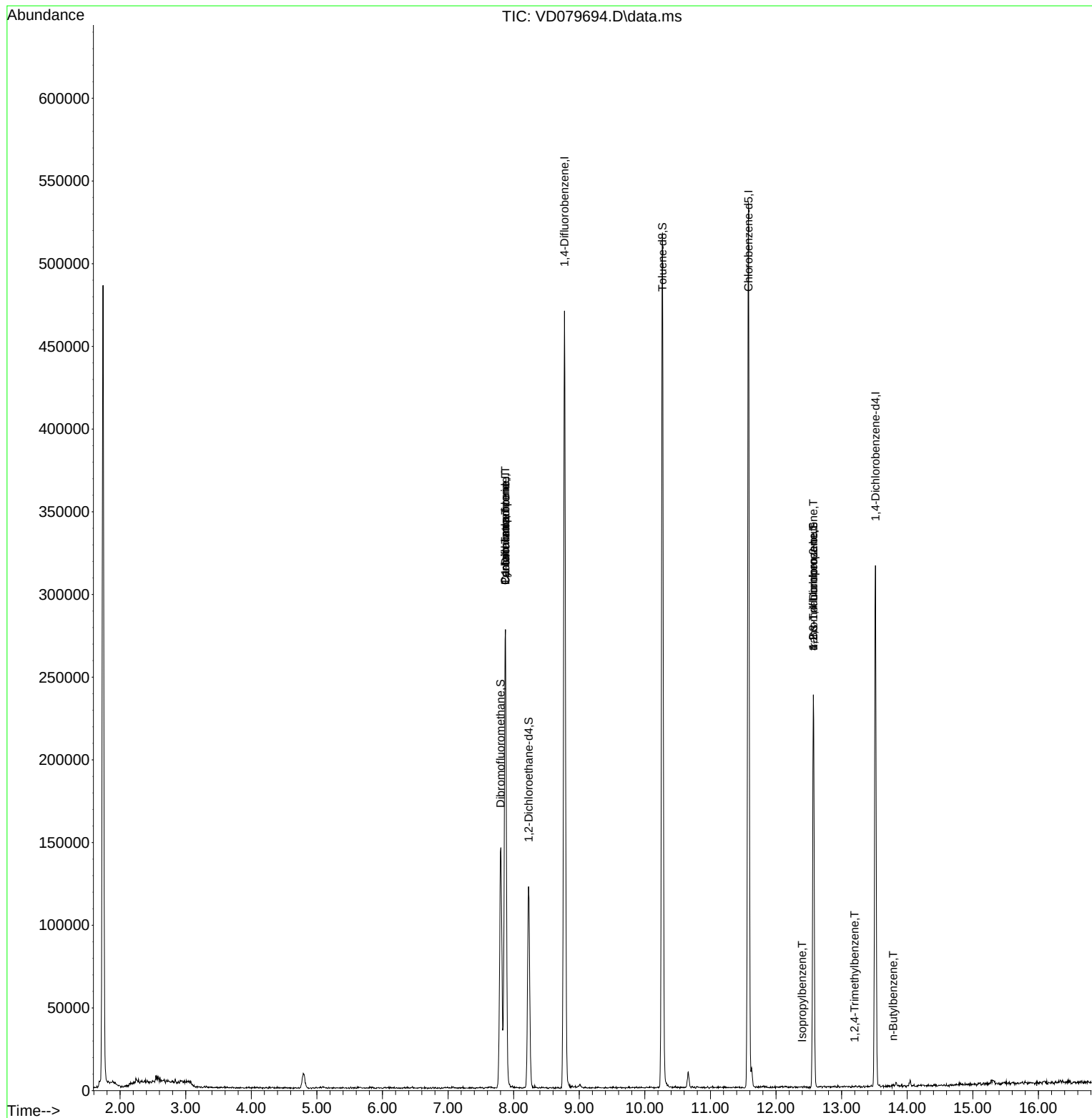
Internal Standards						
1) Pentafluorobenzene	7.875	168	207826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	417800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	310727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	84896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95076	45.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.060%
35) Dibromofluoromethane	7.799	113	107597	38.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.100%
50) Toluene-d8	10.269	98	376422	34.277	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	68.560%
62) 4-Bromofluorobenzene	12.569	95	75129	23.641	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.280%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	477	Below Cal	#	70
11) Tert butyl alcohol	5.263	59	59	Below Cal	#	86
13) Acrolein	3.934	56	67	Below Cal	#	15
20) Methylene Chloride	4.805	84	6547	Below Cal	#	77
31) Cyclohexane	7.875	56	5260	1.500	ug/l #	36
36) 1,1-Dichloropropene	7.875	75	18432	4.775	ug/l #	47
38) Carbon Tetrachloride	7.875	117	21845	5.384	ug/l #	17
73) Isopropylbenzene	12.398	105	57	3.636	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	37585	50.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	37585	96.600	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.198	105	65	3.440	ug/l #	29
89) n-Butylbenzene	13.787	91	197	3.815	ug/l #	34

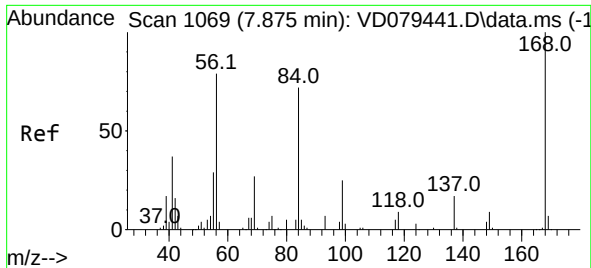
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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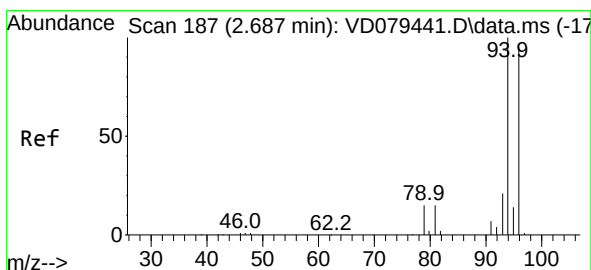
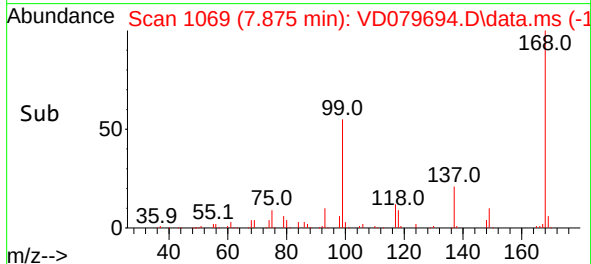
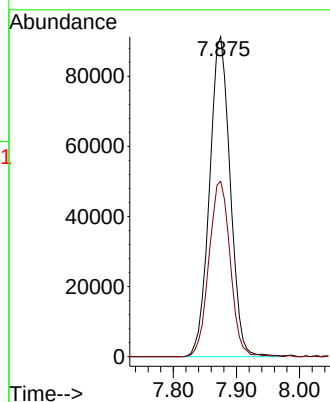
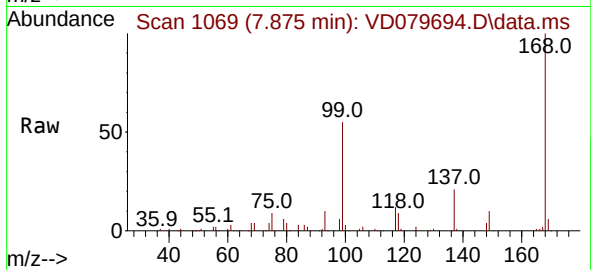




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

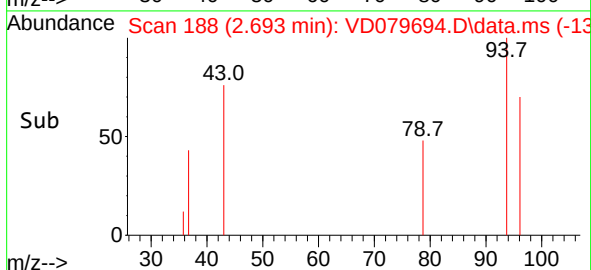
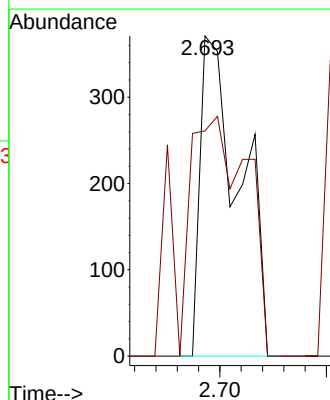
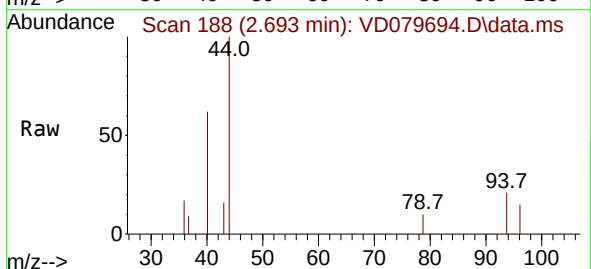
Instrument :
MSVOA_D
ClientSampleId :

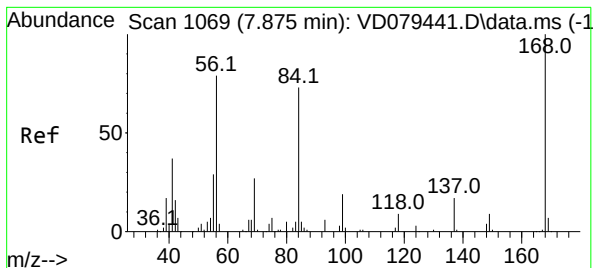
Tgt Ion:168 Resp: 207826
Ion Ratio Lower Upper
168 100
99 54.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 125.2 76.9 115.3#





#31

Cyclohexane

Concen: 1.500 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079694.D

Acq: 09 Aug 2024 15:40

Instrument :

MSVOA_D

ClientSampleId :

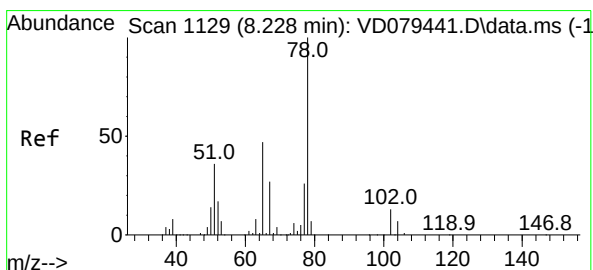
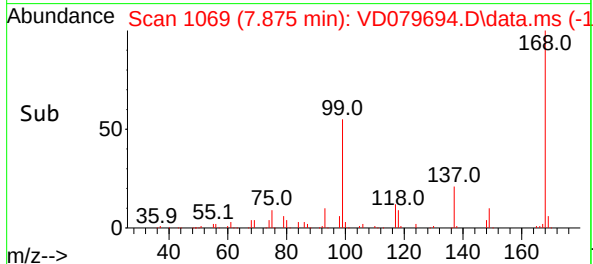
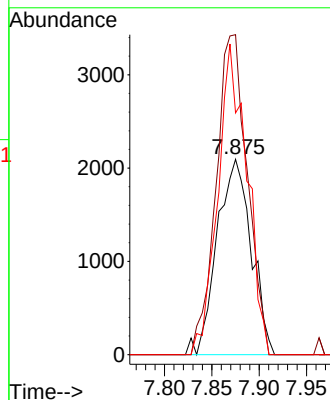
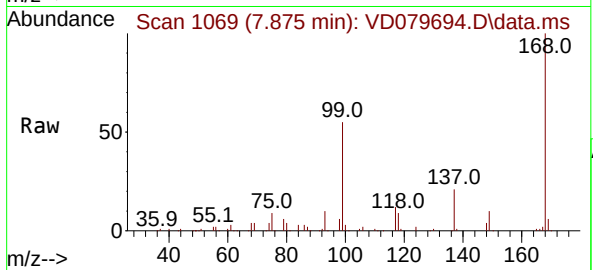
Tgt Ion: 56 Resp: 5260

Ion Ratio Lower Upper

56 100

69 163.8 28.0 42.0#

84 123.8 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079694.D

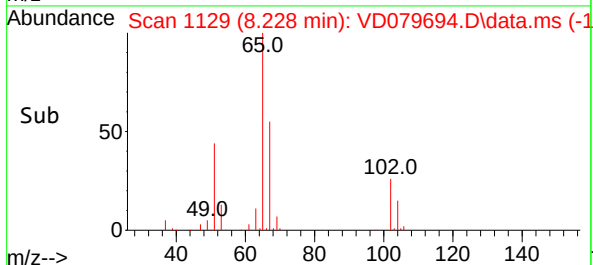
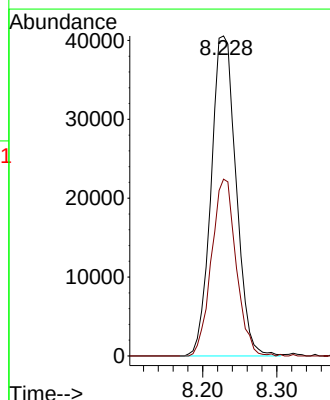
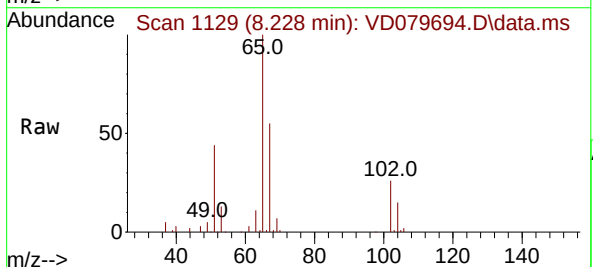
Acq: 09 Aug 2024 15:40

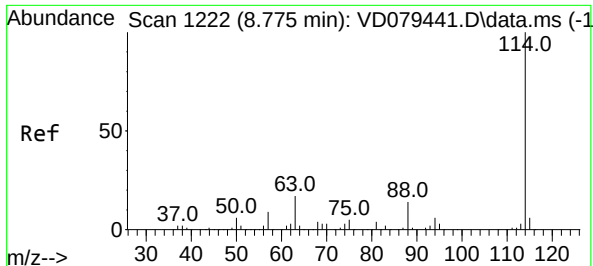
Tgt Ion: 65 Resp: 95076

Ion Ratio Lower Upper

65 100

67 54.5 0.0 111.0

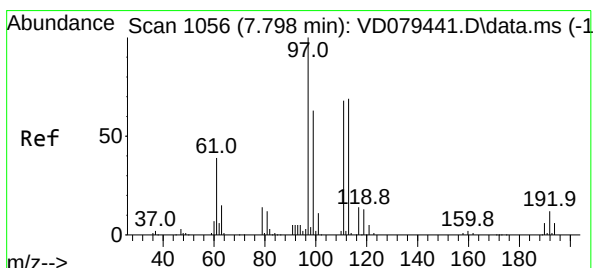
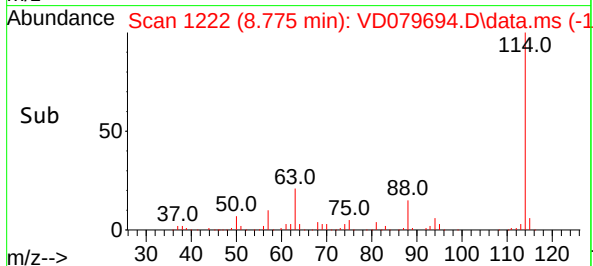
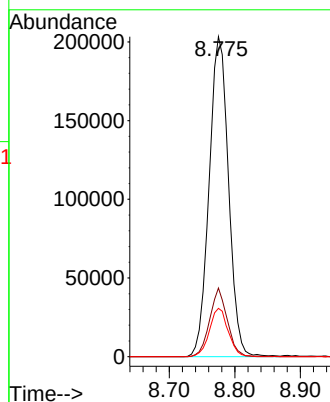
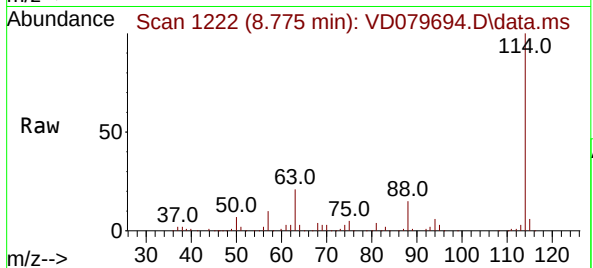




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

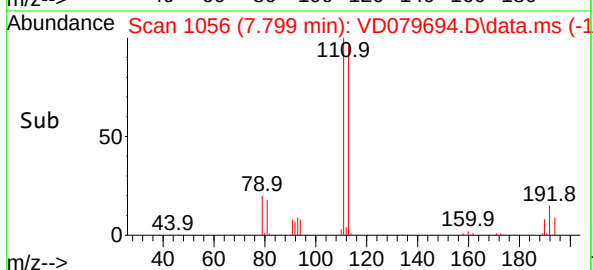
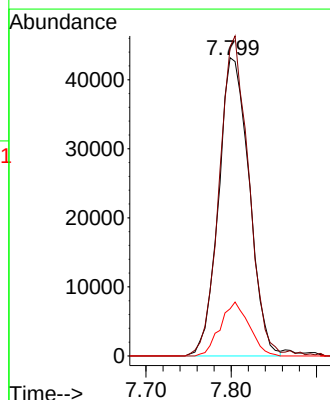
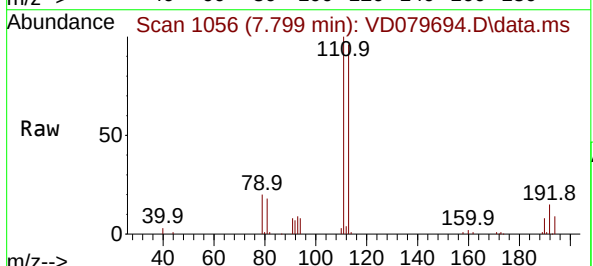
Instrument :
MSVOA_D
ClientSampleId :

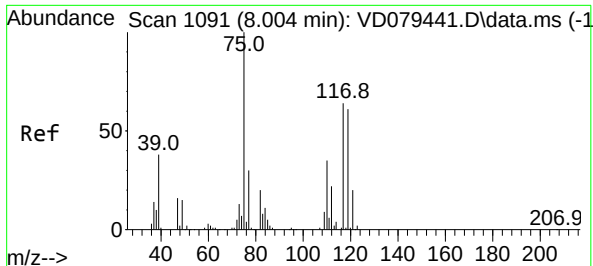
Tgt Ion:114 Resp: 417800
Ion Ratio Lower Upper
114 100
63 21.4 0.0 34.0
88 15.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 38.049 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

Tgt Ion:113 Resp: 107597
Ion Ratio Lower Upper
113 100
111 103.0 84.0 126.0
192 17.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.775 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

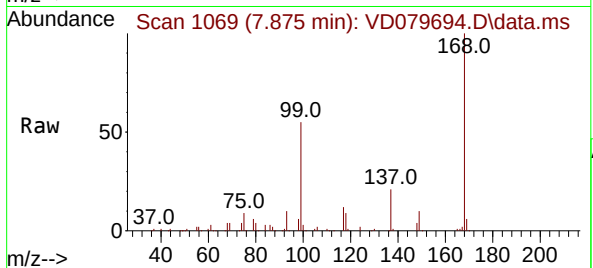
Lab File: VD079694.D

Acq: 09 Aug 2024 15:40

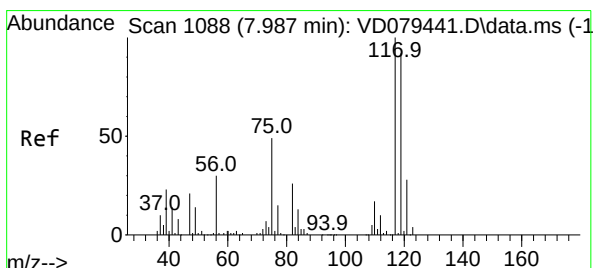
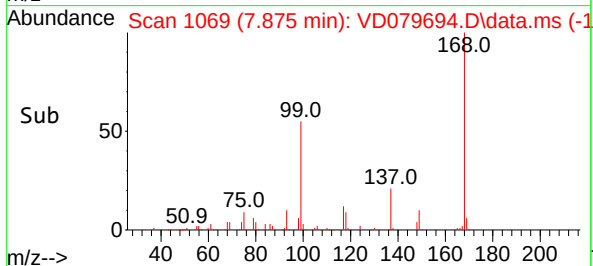
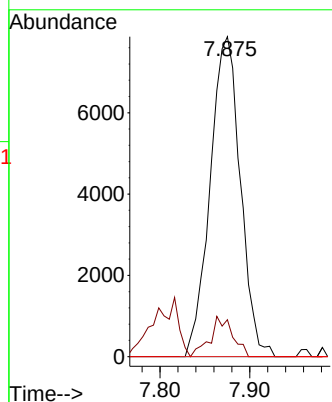
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	18432
Ion Ratio	100	Lower	Upper
75	100		
110	9.4	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.384 ug/l

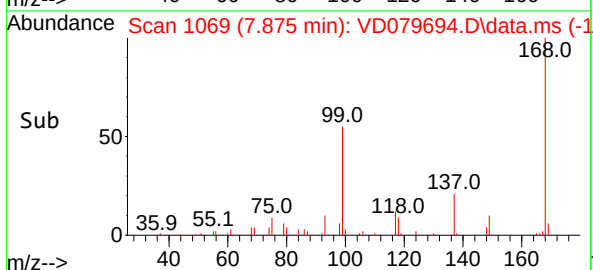
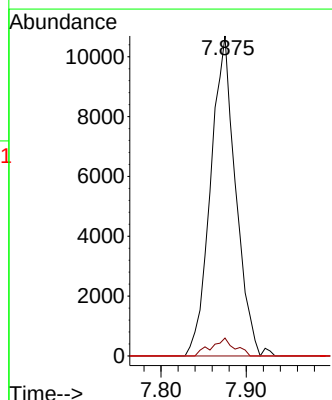
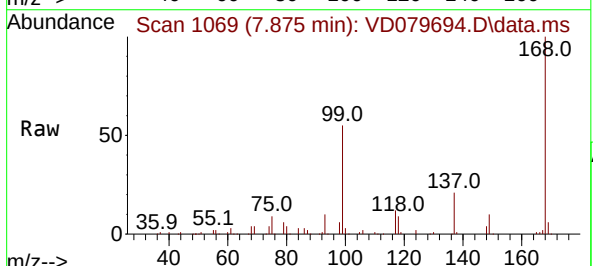
RT: 7.875 min Scan# 1069

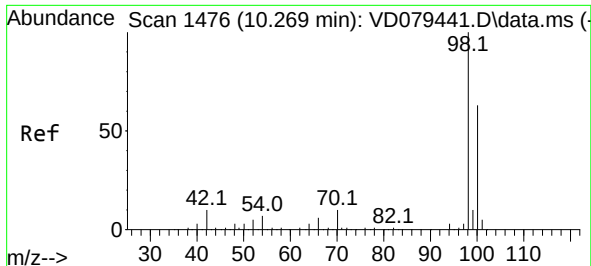
Delta R.T. -0.112 min

Lab File: VD079694.D

Acq: 09 Aug 2024 15:40

Tgt Ion:	117	Resp:	21845
Ion Ratio	100	Lower	Upper
117	100		
119	5.6	75.4	113.0#
121	0.0	25.0	37.4#

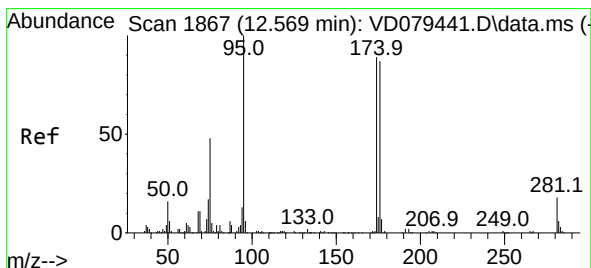
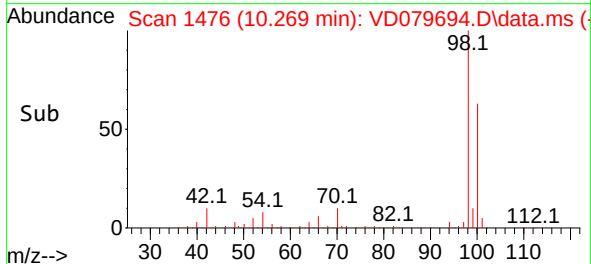
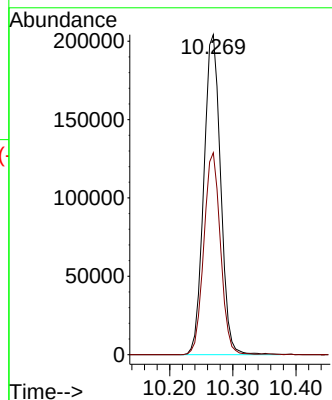
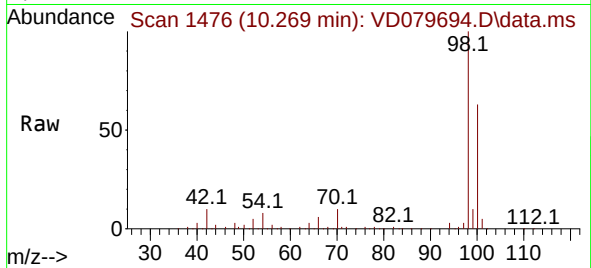




#50
Toluene-d8
Concen: 34.277 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

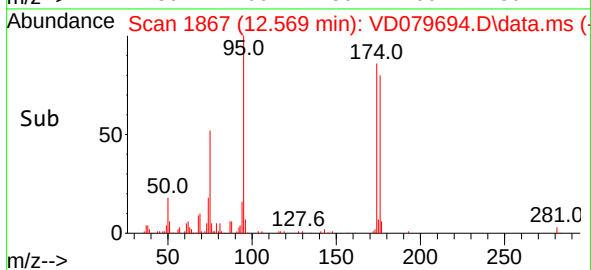
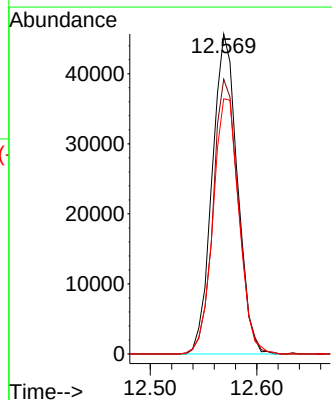
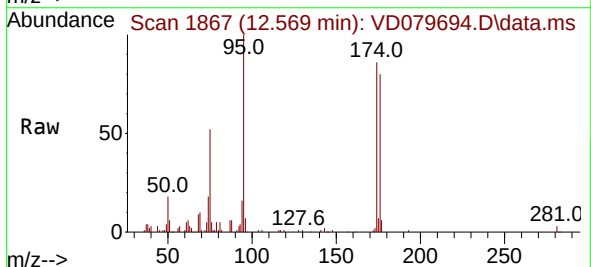
Instrument :
MSVOA_D
ClientSampleId :

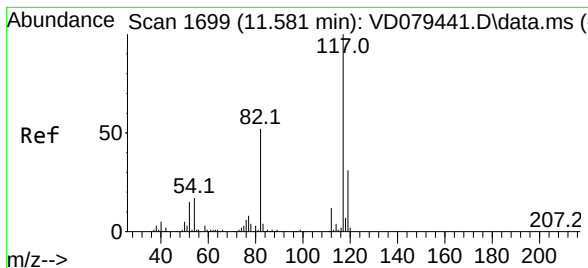
Tgt Ion: 98 Resp: 376422
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 23.641 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

Tgt Ion: 95 Resp: 75129
Ion Ratio Lower Upper
95 100
174 85.8 0.0 195.4
176 82.3 0.0 192.6

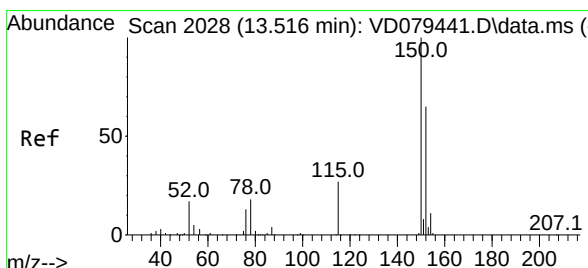
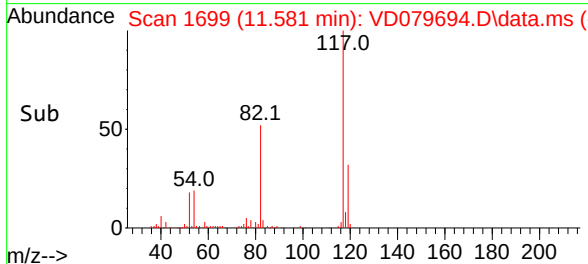
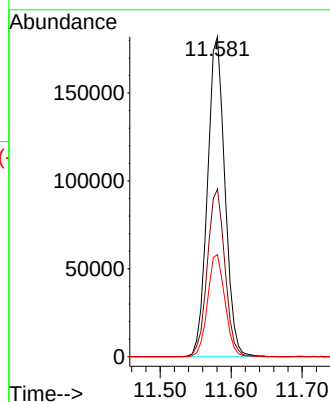
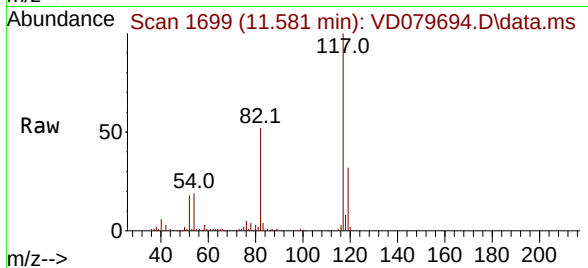




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

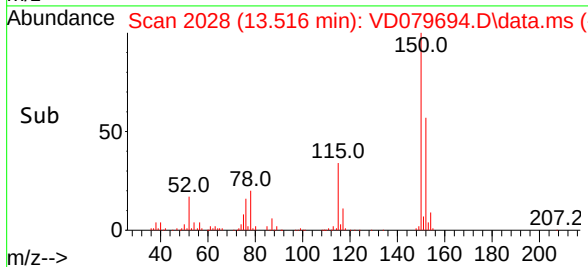
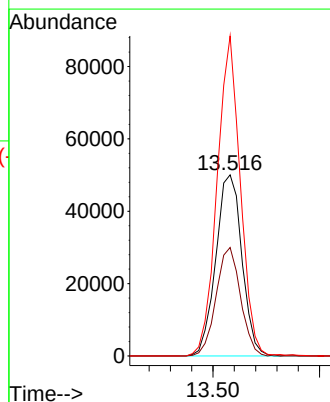
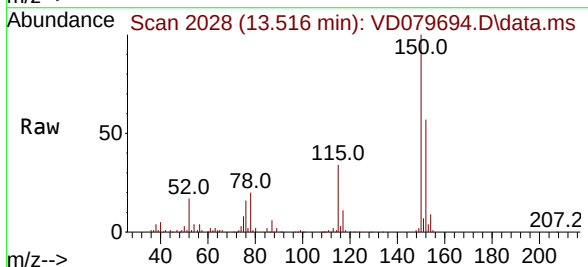
Instrument :
MSVOA_D
ClientSampleId :

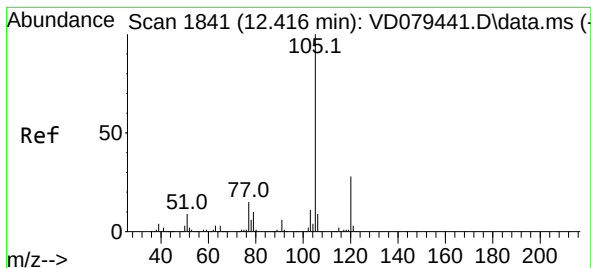
Tgt Ion:117 Resp: 310727
Ion Ratio Lower Upper
117 100
82 52.4 39.8 59.6
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

Tgt Ion:152 Resp: 84896
Ion Ratio Lower Upper
152 100
115 56.2 26.5 79.5
150 157.4 0.0 341.6





#73

Isopropylbenzene

Concen: 3.636 ug/l

RT: 12.398 min Scan# 1838

Delta R.T. -0.018 min

Lab File: VD079694.D

Acq: 09 Aug 2024 15:40

Instrument :

MSVOA_D

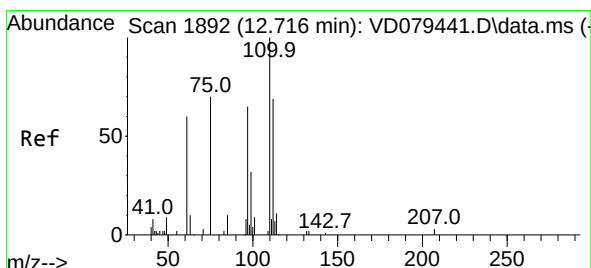
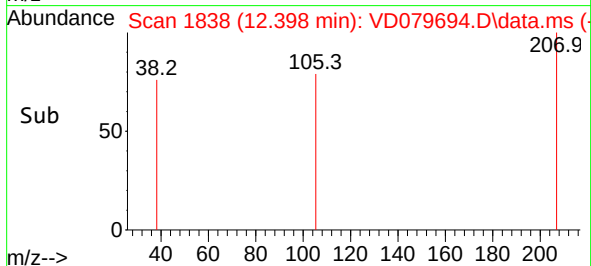
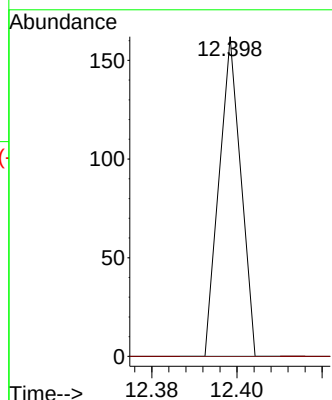
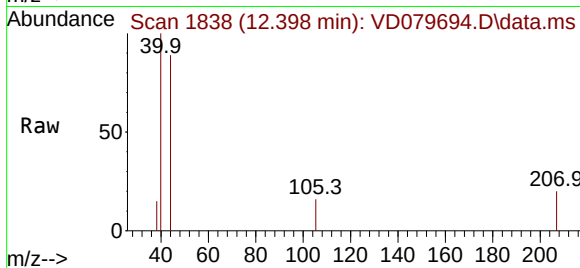
ClientSampleId :

Tgt Ion:105 Resp: 57

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 50.649 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079694.D

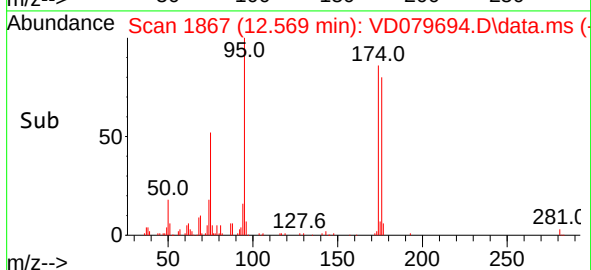
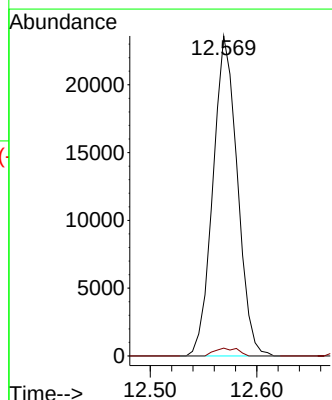
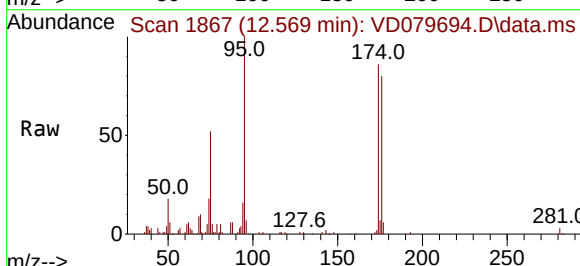
Acq: 09 Aug 2024 15:40

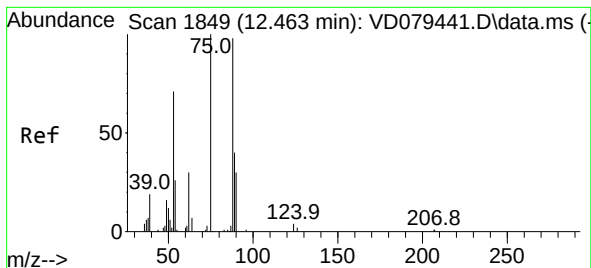
Tgt Ion: 75 Resp: 37585

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#

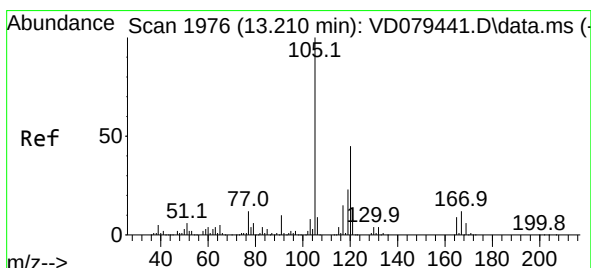
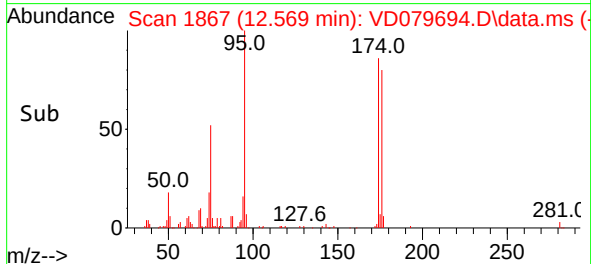
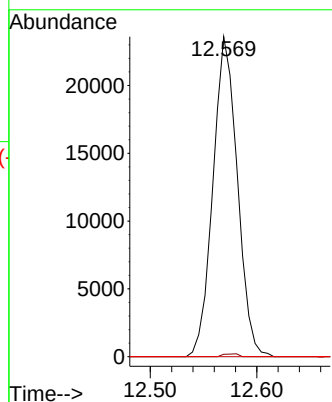
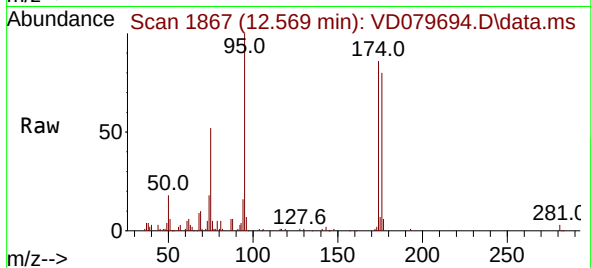




#81
trans-1,4-Dichloro-2-butene
Concen: 96.600 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

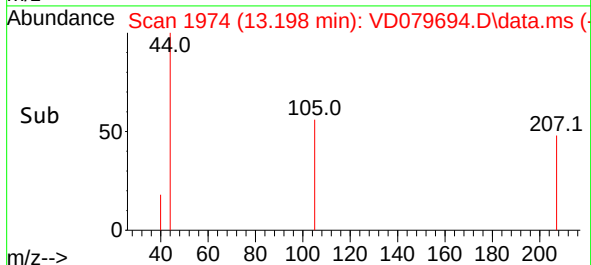
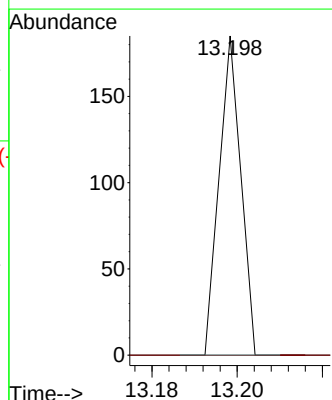
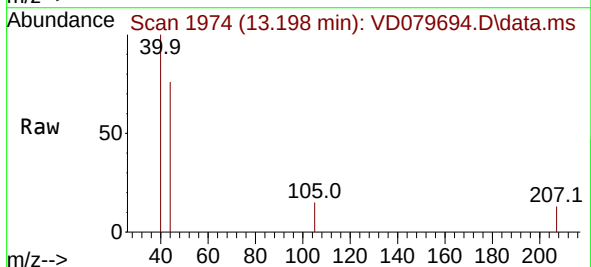
Instrument :
MSVOA_D
ClientSampleId :

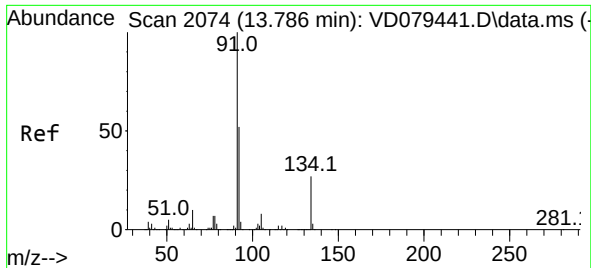
Tgt Ion: 75 Resp: 37585
Ion Ratio Lower Upper
75 100
53 0.5 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.440 ug/l
RT: 13.198 min Scan# 1974
Delta R.T. -0.006 min
Lab File: VD079694.D
Acq: 09 Aug 2024 15:40

Tgt Ion:105 Resp: 65
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#89

n-Butylbenzene

Concen: 3.815 ug/l

RT: 13.787 min Scan# 20

Delta R.T. 0.006 min

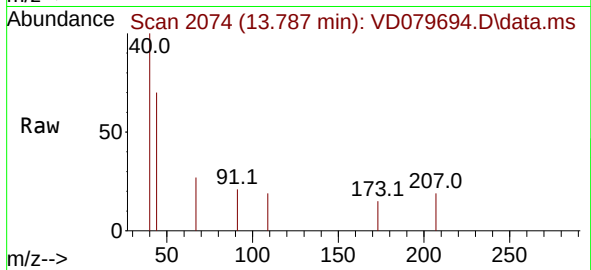
Lab File: VD079694.D

Acq: 09 Aug 2024 15:40

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	91	Resp:	197
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

