

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079646.D
 Acq On : 07 Aug 2024 17:36
 Operator : RP/MD
 Sample : P3393-08
 Misc : 8.40G/5.0ml/MSVOA_D/SOILA
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:53:04 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

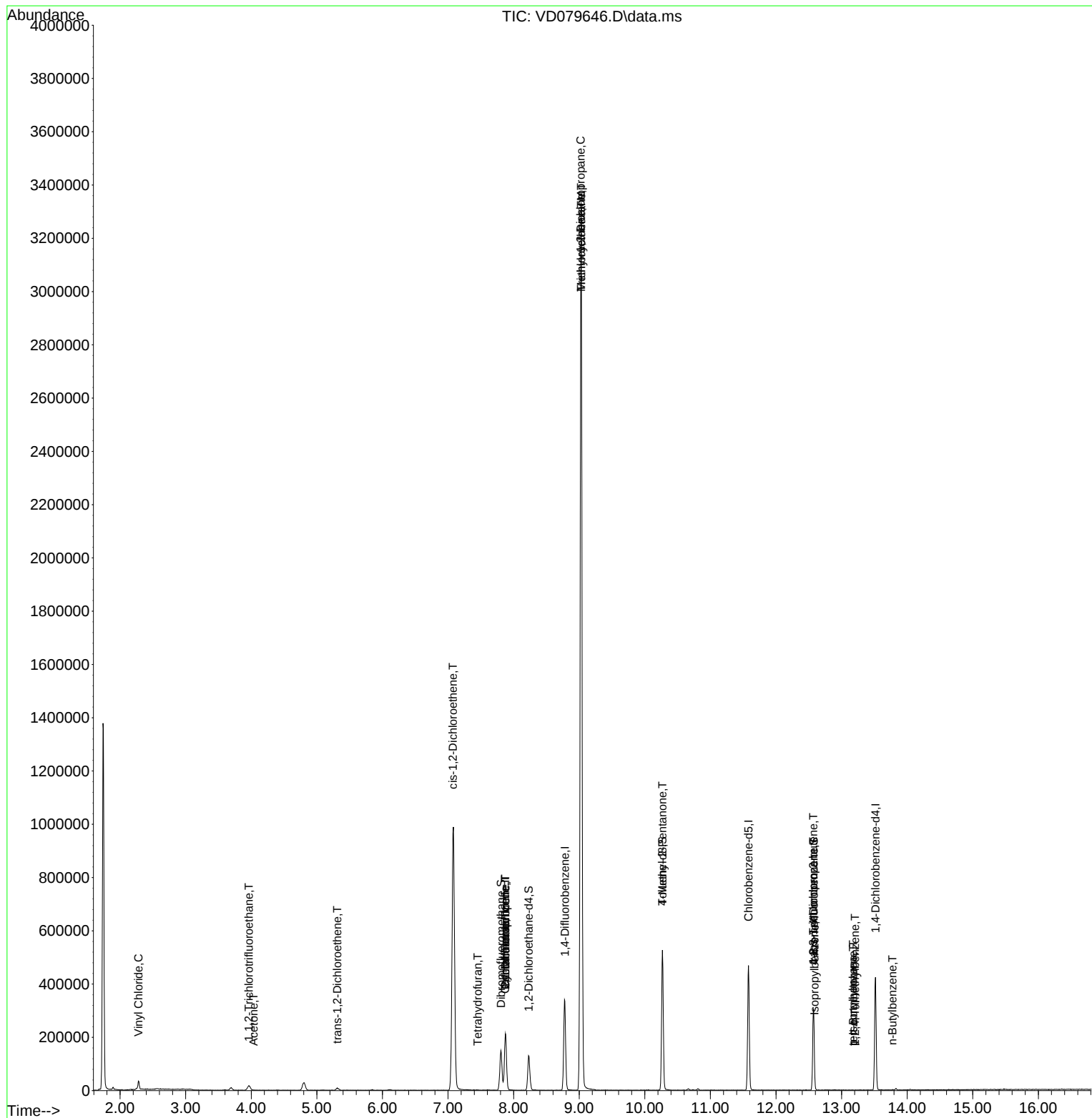
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	163207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	309742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	279385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	118041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95825	57.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.580%
35) Dibromofluoromethane	7.810	113	107212	51.139	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.280%
50) Toluene-d8	10.269	98	376983	46.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.600%
62) 4-Bromofluorobenzene	12.575	95	97573	41.415	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.840%
Target Compounds						Qvalue
4) Vinyl Chloride	2.281	62	26889	9.598	ug/l	100
5) Bromomethane	2.681	94	138	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	3.964	101	11087	6.292	ug/l	94
16) Acetone	4.034	43	1691	5.248	ug/l #	80
20) Methylene Chloride	4.805	84	23462	Below Cal		91
21) trans-1,2-Dichloroethene	5.311	96	5662	2.858	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	659693	291.339	ug/l	99
29) Tetrahydrofuran	7.452	42	415	1.466	ug/l #	21
31) Cyclohexane	7.875	56	4002	1.453	ug/l #	23
36) 1,1-Dichloropropene	7.875	75	12996	4.542	ug/l #	47
38) Carbon Tetrachloride	7.869	117	16237	5.398	ug/l #	17
39) Methylcyclohexane	9.028	83	14952	4.379	ug/l #	1
44) Trichloroethene	9.028	130	1221529	539.917	ug/l	90
45) 1,2-Dichloropropane	9.022	63	3090	1.397	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	1715	1.523	ug/l #	1
73) Isopropylbenzene	12.587	105	141	3.642	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	47741	46.270	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47741	88.249	ug/l #	19
83) tert-Butylbenzene	13.175	119	65	3.637	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	151	3.447	ug/l #	29
86) p-Isopropyltoluene	13.175	119	65	3.894	ug/l #	51
89) n-Butylbenzene	13.775	91	86	3.793	ug/l #	34

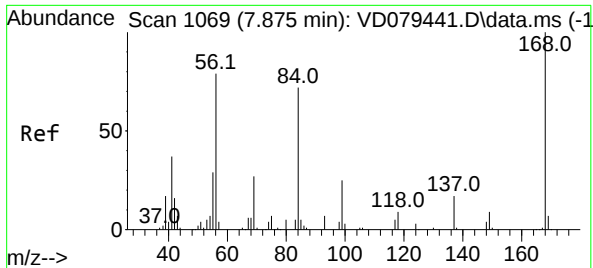
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
Data File : VD079646.D
Acq On : 07 Aug 2024 17:36
Operator : RP/MD
Sample : P3393-08
Misc : 8.40G/5.0ml/MSVOA_D/SOILA
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

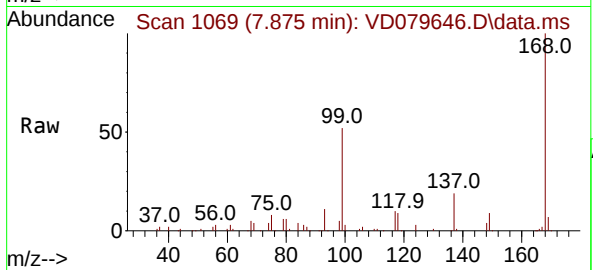
Quant Time: Aug 08 01:53:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



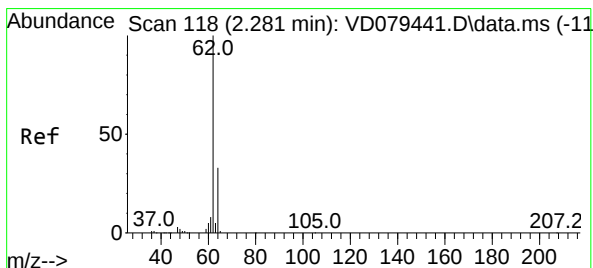
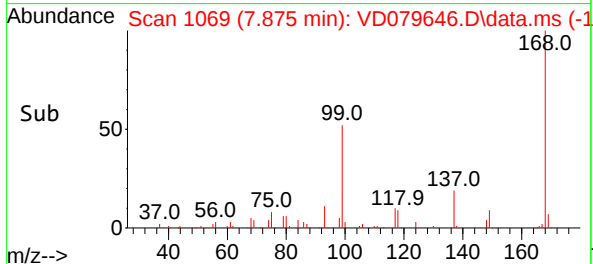
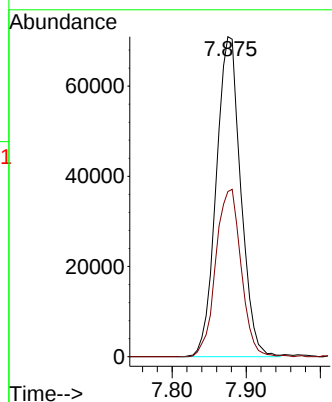


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_D
ClientSampleId :

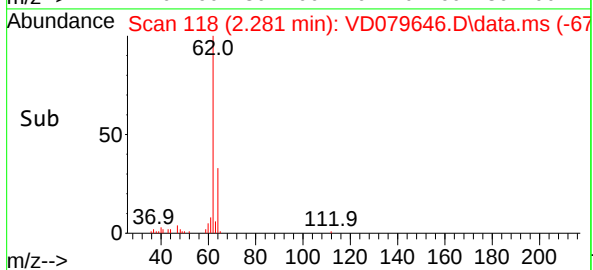
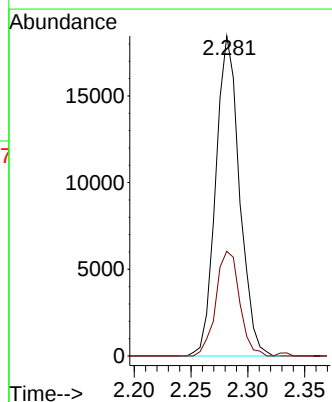
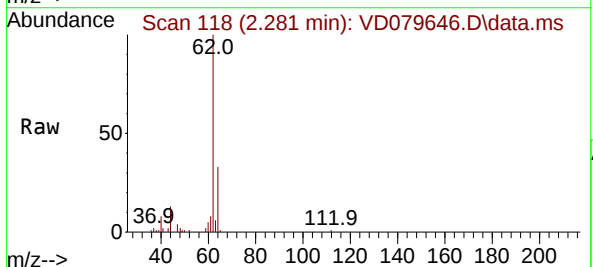


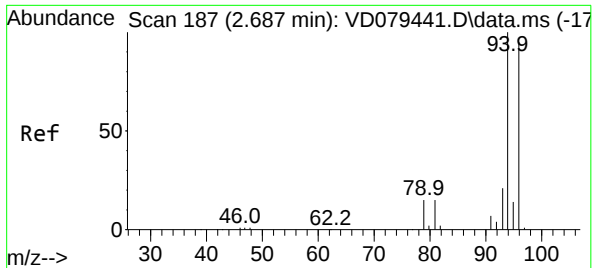
Tgt Ion:168 Resp: 163207
Ion Ratio Lower Upper
168 100
99 51.6 41.1 61.7



#4
Vinyl Chloride
Concen: 9.598 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 62 Resp: 26889
Ion Ratio Lower Upper
62 100
64 32.7 26.3 39.5

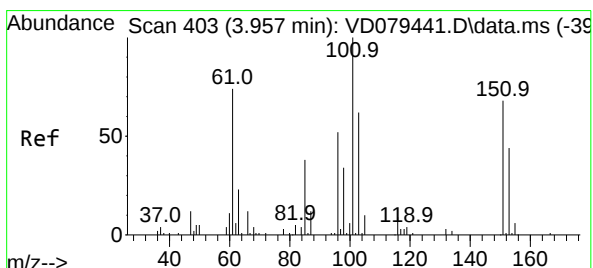
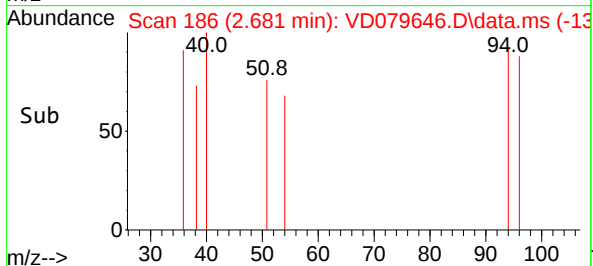
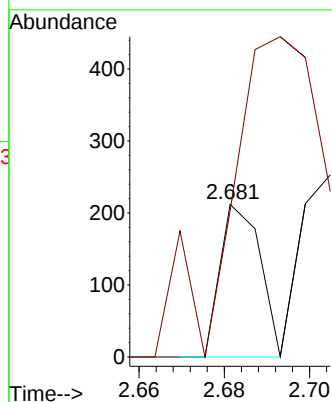
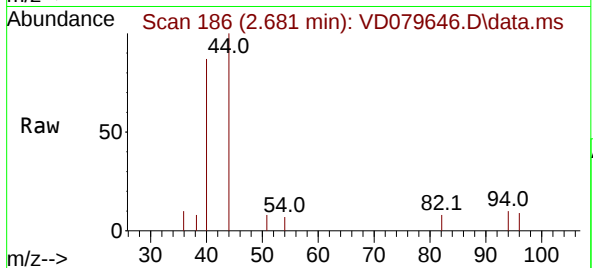




#5
Bromomethane
Concen: Below Cal
RT: 2.681 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

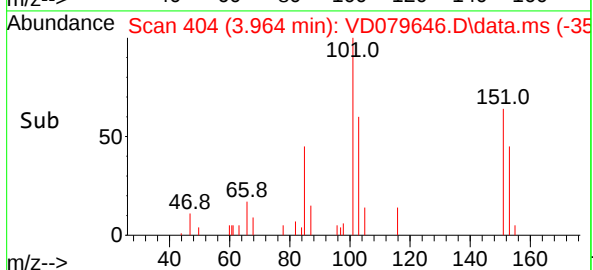
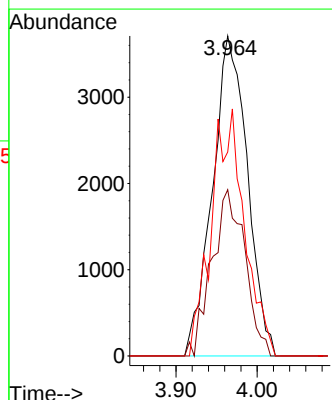
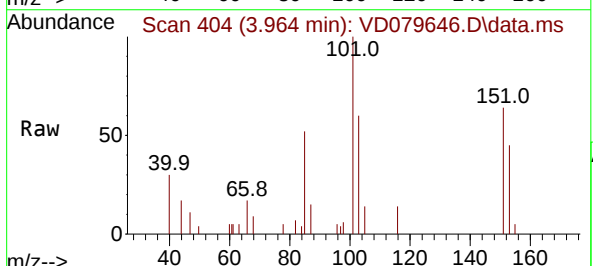
Instrument :
MSVOA_D
ClientSampleId :

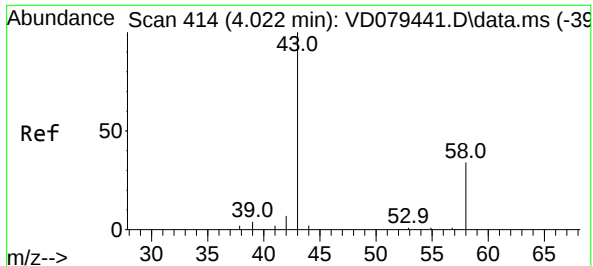
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 636.2 76.9 115.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.292 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Tgt Ion:101 Resp: 11087
Ion Ratio Lower Upper
101 100
85 49.3 33.5 50.3
151 73.1 60.3 90.5

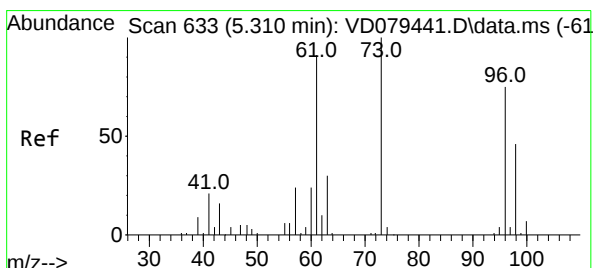
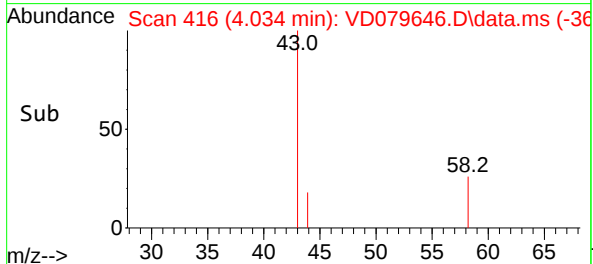
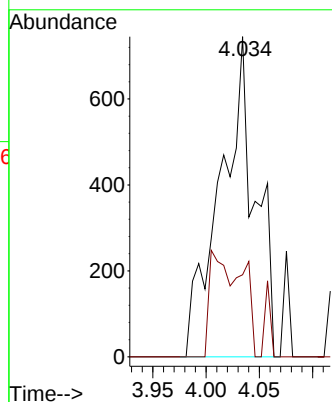
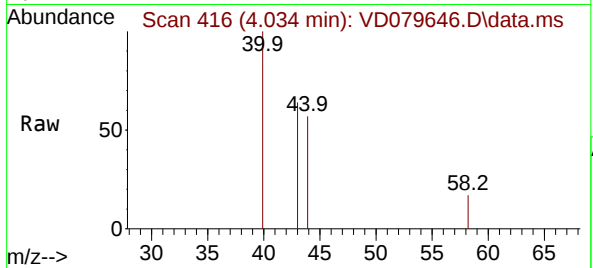




#16
Acetone
Concen: 5.248 ug/l
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

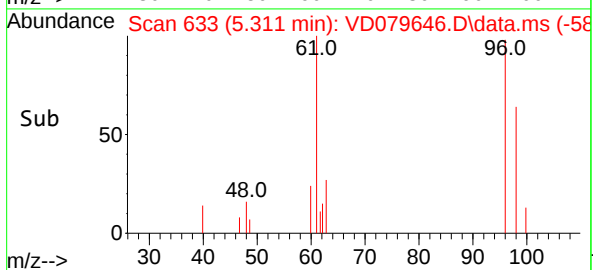
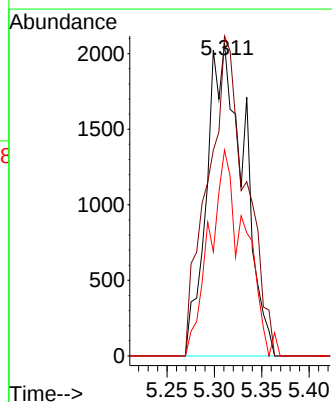
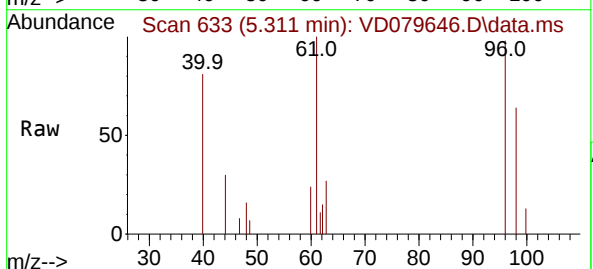
Instrument :
MSVOA_D
ClientSampleId :

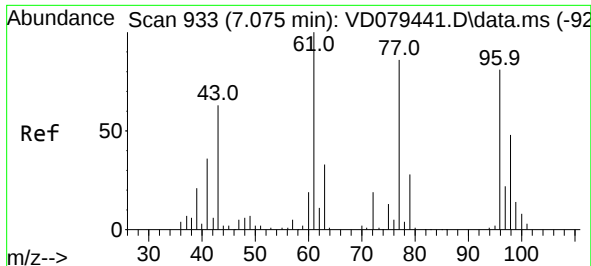
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 25.6 30.4 45.6#



#21
trans-1,2-Dichloroethene
Concen: 2.858 ug/l
RT: 5.311 min Scan# 633
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

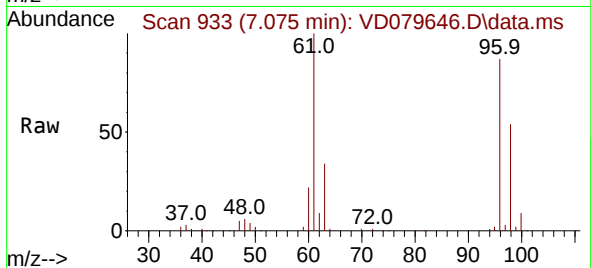
Tgt Ion: 96 Resp: 5662
Ion Ratio Lower Upper
96 100
61 102.2 84.5 126.7
98 65.8 50.5 75.7



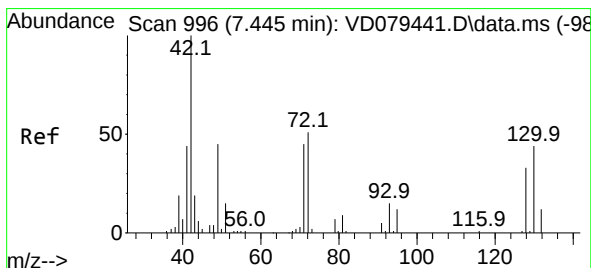
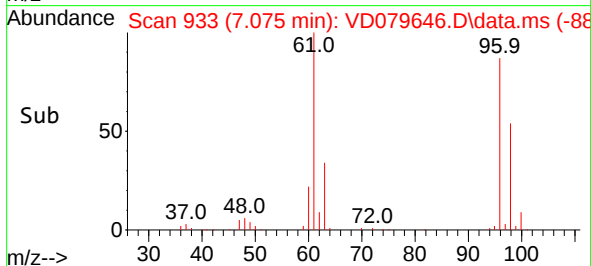
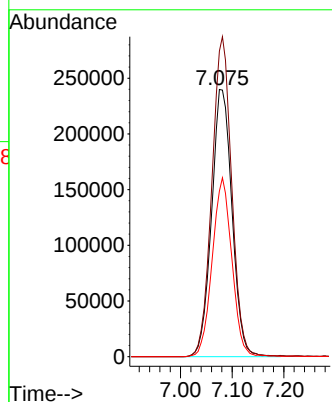


#27
cis-1,2-Dichloroethene
Concen: 291.339 ug/l
RT: 7.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_D
ClientSampleId :

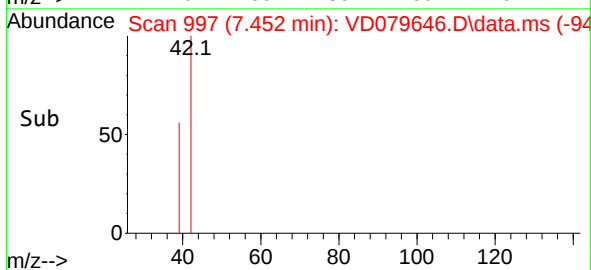
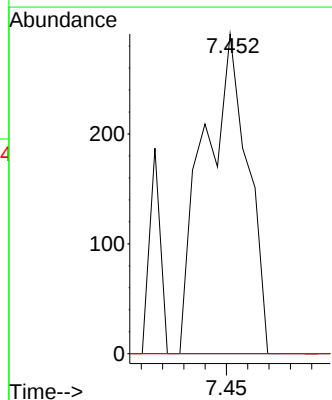
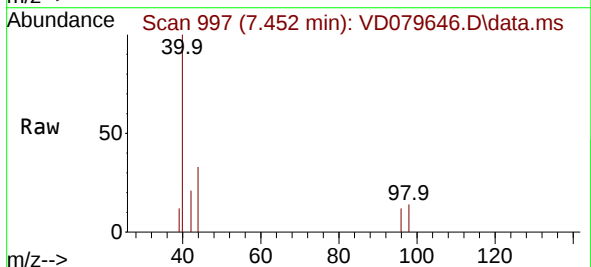


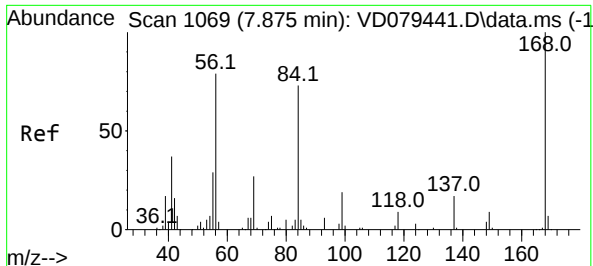
Tgt Ion:	96	Resp:	659693
Ion	Ratio	Lower	Upper
96	100		
61	115.6	0.0	229.0
98	64.1	0.0	127.2



#29
Tetrahydrofuran
Concen: 1.466 ug/l
RT: 7.452 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

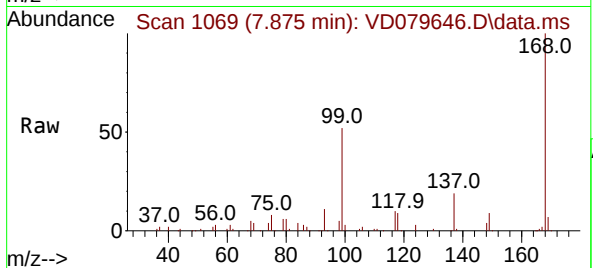
Tgt Ion:	42	Resp:	415
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.4	74.0#
71	0.0	45.0	67.6#



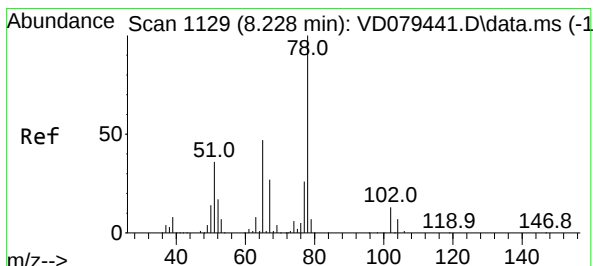
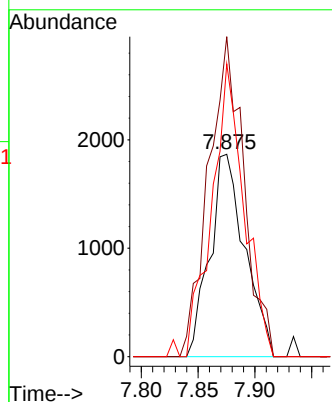
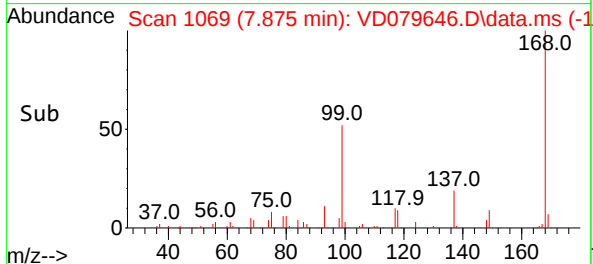


#31
Cyclohexane
Concen: 1.453 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Instrument :
MSVOA_D
ClientSampleId :

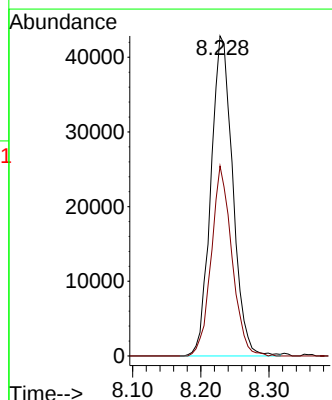
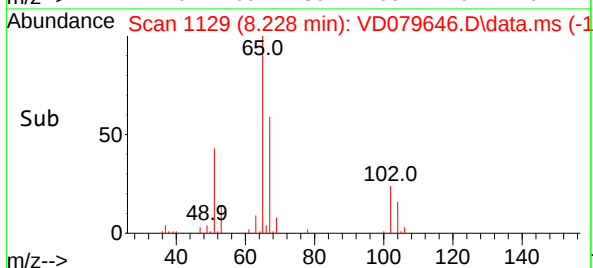
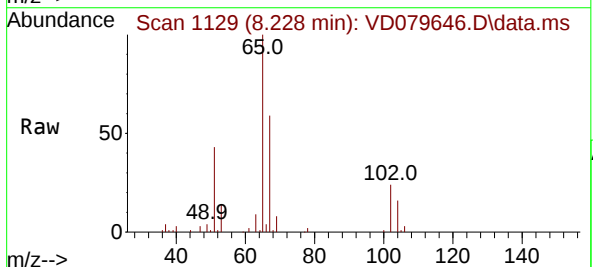


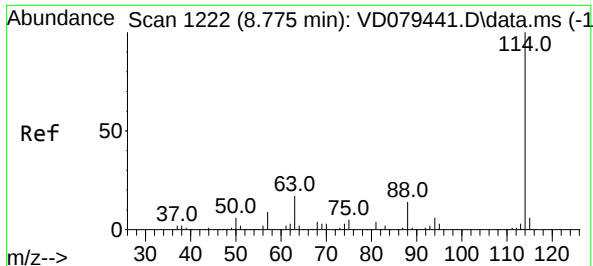
Tgt Ion: 56 Resp: 4002
Ion Ratio Lower Upper
56 100
69 158.1 28.0 42.0#
84 144.7 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 57.795 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Tgt Ion: 65 Resp: 95825
Ion Ratio Lower Upper
65 100
67 56.1 0.0 111.0

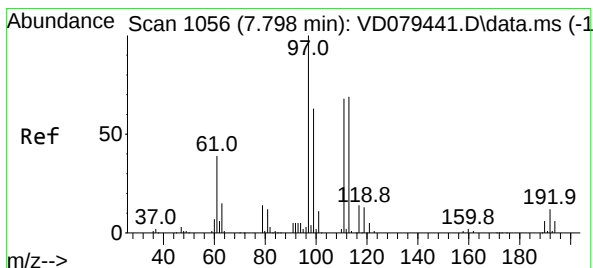
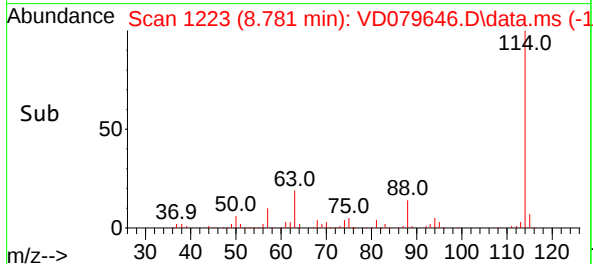
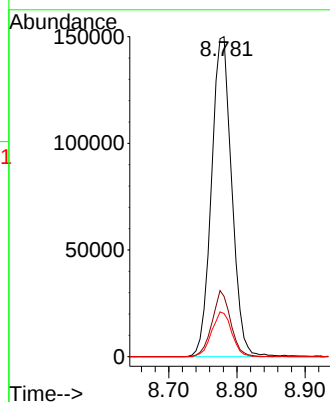
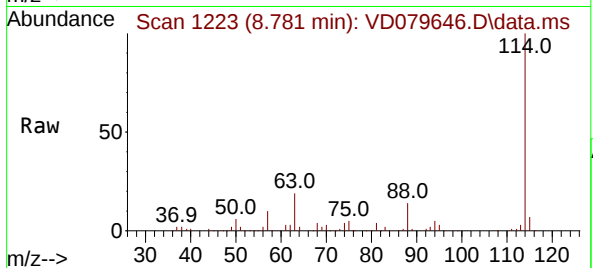




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

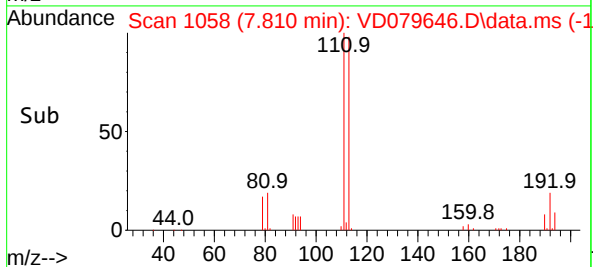
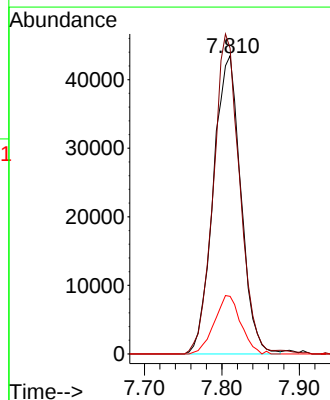
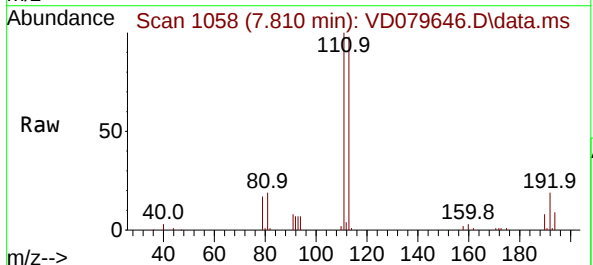
Instrument :
MSVOA_D
ClientSampleId :

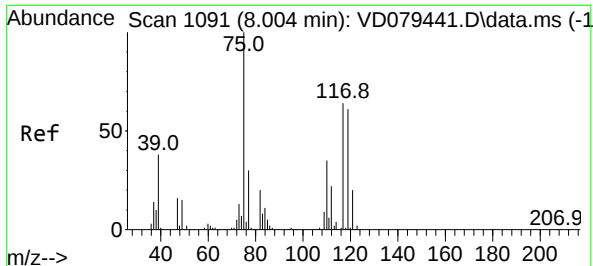
Tgt Ion:114 Resp: 309742
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.0
88 13.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.139 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

Tgt Ion:113 Resp: 107212
Ion Ratio Lower Upper
113 100
111 103.2 84.0 126.0
192 18.8 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

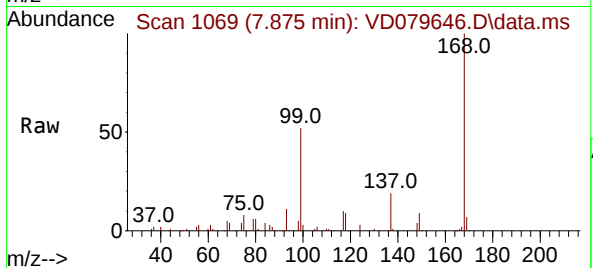
Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

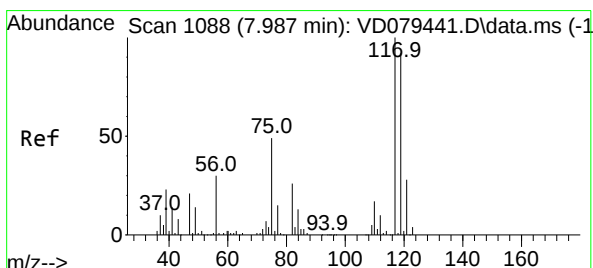
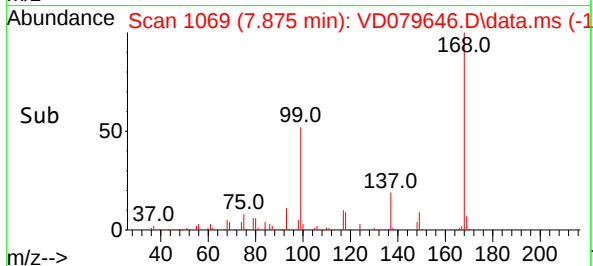
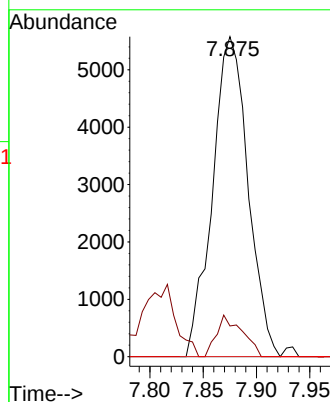
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	12996
Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.398 ug/l

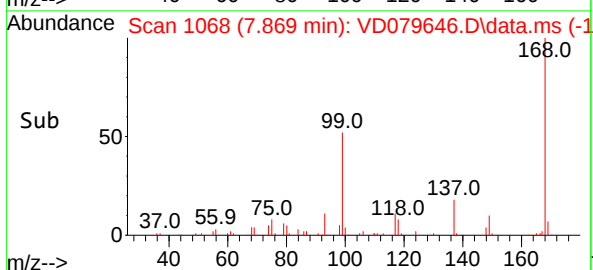
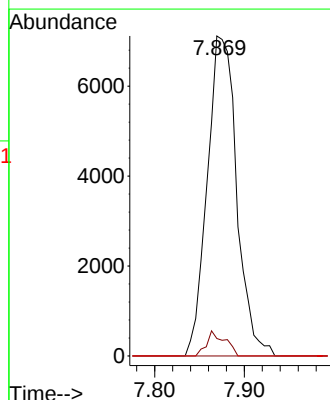
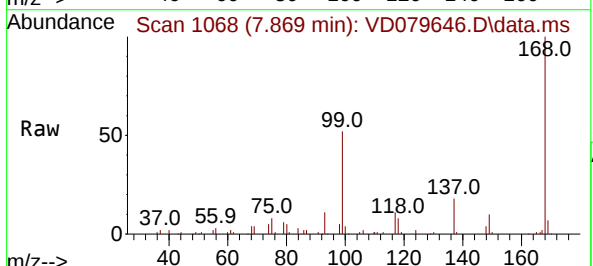
RT: 7.869 min Scan# 1068

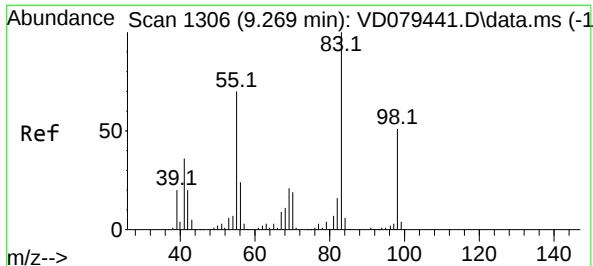
Delta R.T. -0.118 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

Tgt Ion:	117	Resp:	16237
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.4	113.0#
121	0.0	25.0	37.4#





#39

Methylcyclohexane

Concen: 4.379 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.247 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_D

ClientSampleId :

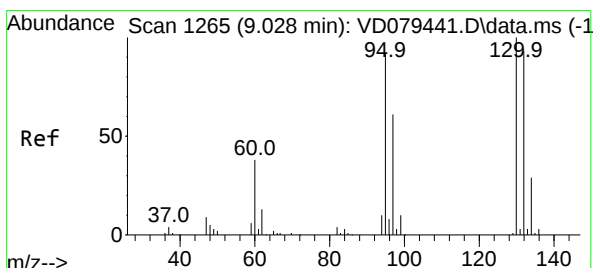
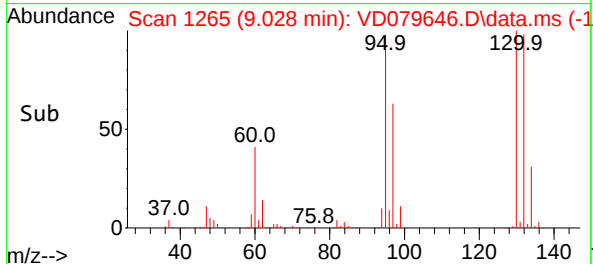
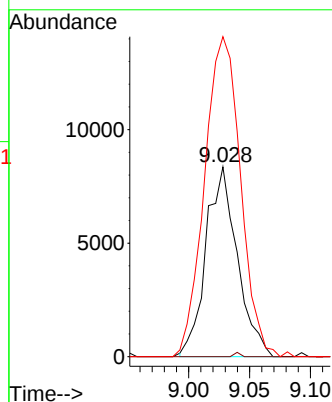
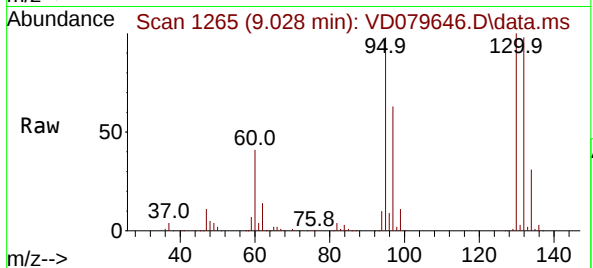
Tgt Ion: 83 Resp: 14952

Ion Ratio Lower Upper

83 100

55 0.0 50.1 75.1#

98 168.6 41.9 62.9#



#44

Trichloroethene

Concen: 539.917 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079646.D

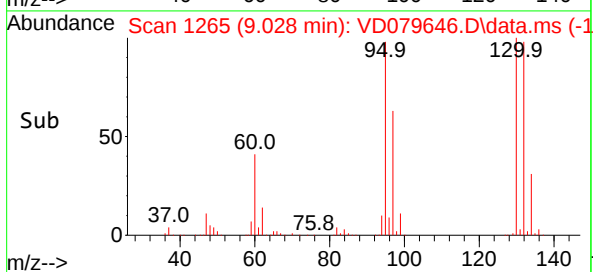
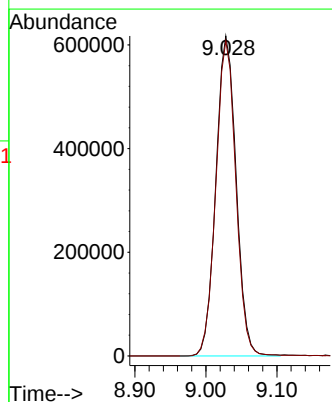
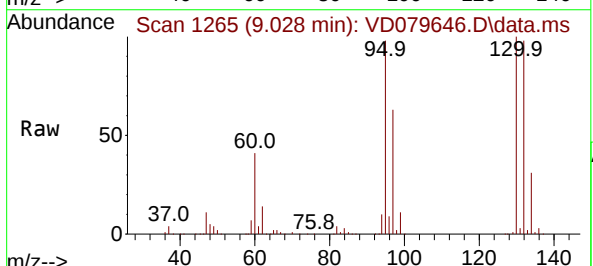
Acq: 07 Aug 2024 17:36

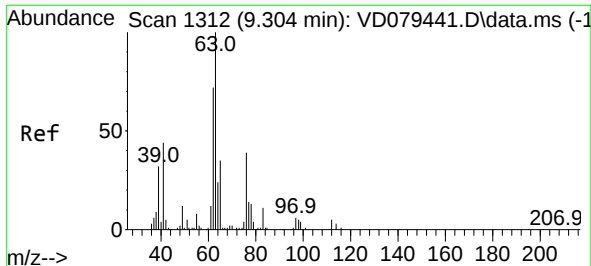
Tgt Ion:130 Resp: 1221529

Ion Ratio Lower Upper

130 100

95 98.4 0.0 177.8





#45

1,2-Dichloropropane

Concen: 1.397 ug/l

RT: 9.022 min Scan# 11

Delta R.T. -0.276 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_D

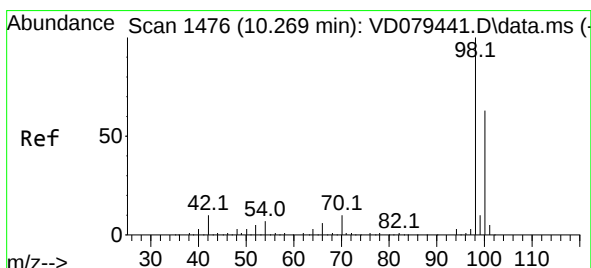
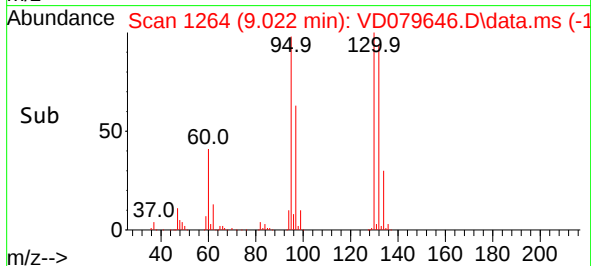
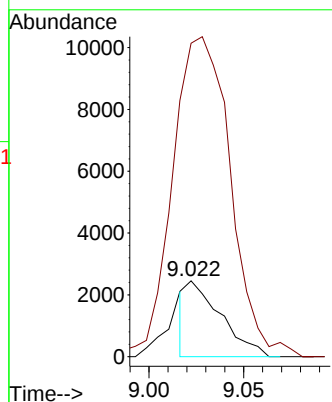
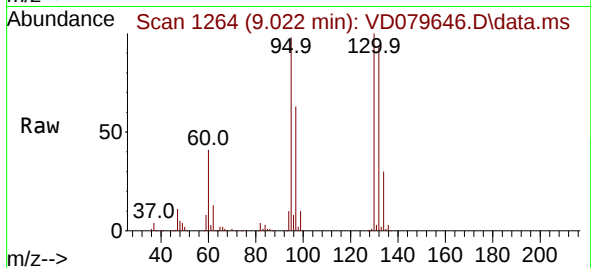
ClientSampleId :

Tgt Ion: 63 Resp: 3090

Ion Ratio Lower Upper

63 100

65 394.7 23.8 35.8#



#50

Toluene-d8

Concen: 46.305 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079646.D

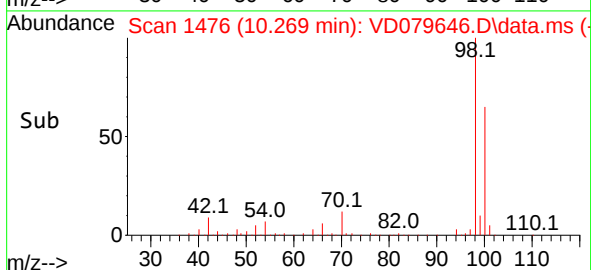
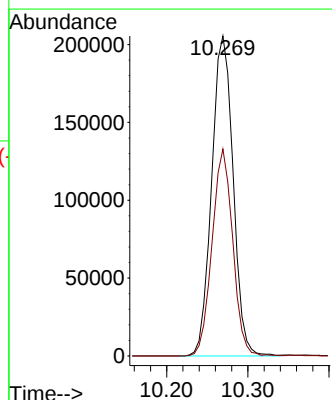
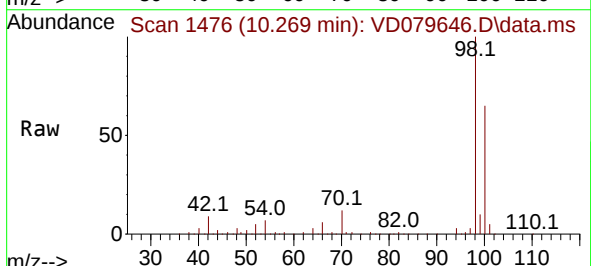
Acq: 07 Aug 2024 17:36

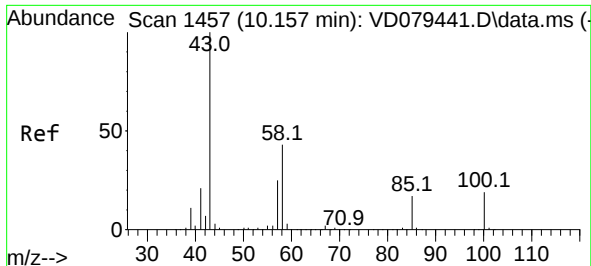
Tgt Ion: 98 Resp: 376983

Ion Ratio Lower Upper

98 100

100 62.3 51.6 77.4

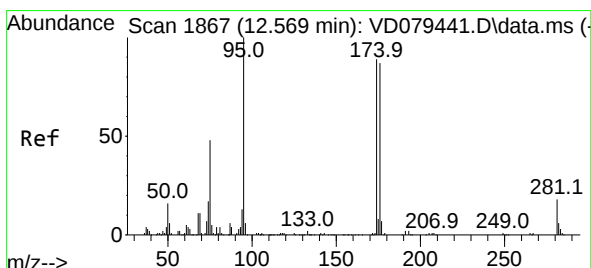
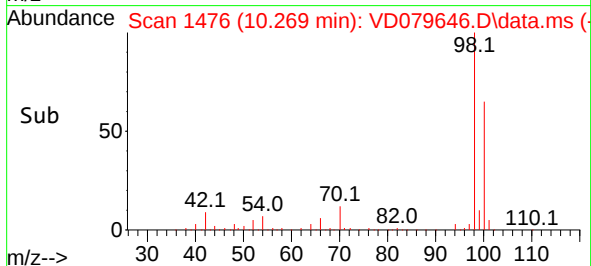
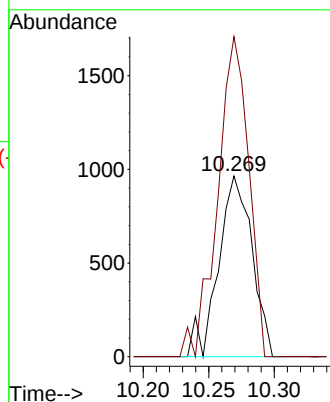
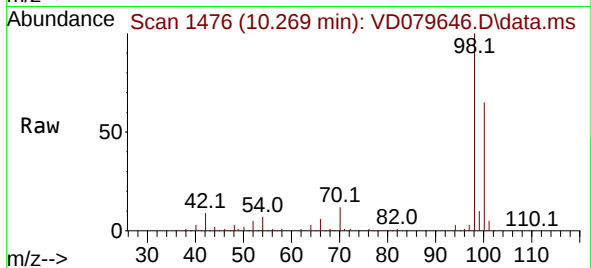




#51
4-Methyl-2-Pentanone
Concen: 1.523 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

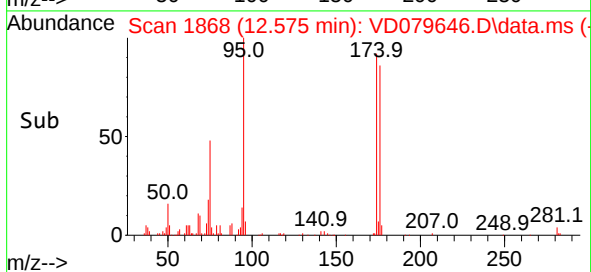
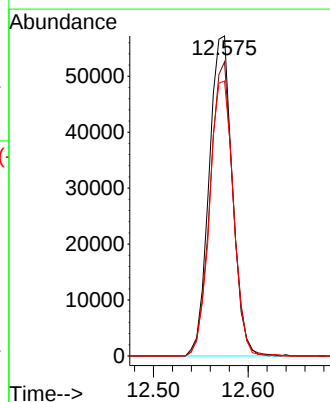
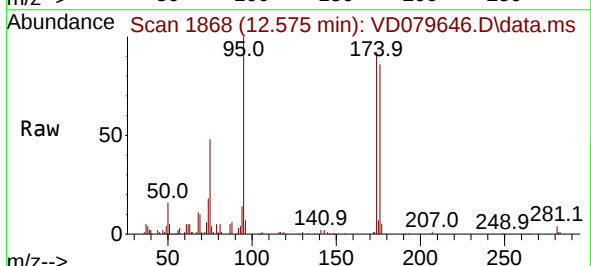
Instrument :
MSVOA_D
ClientSampleId :

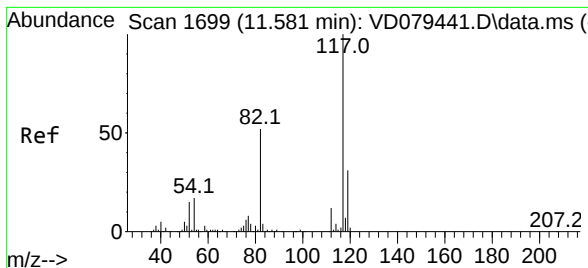
Tgt Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
58 164.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.415 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

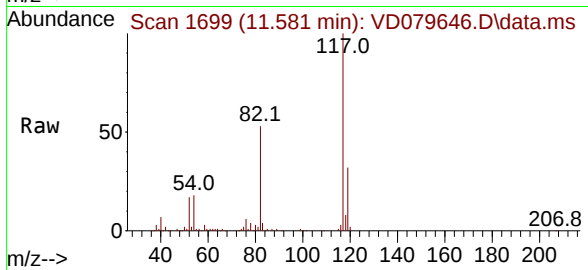
Tgt Ion: 95 Resp: 97573
Ion Ratio Lower Upper
95 100
174 90.4 0.0 195.4
176 87.4 0.0 192.6



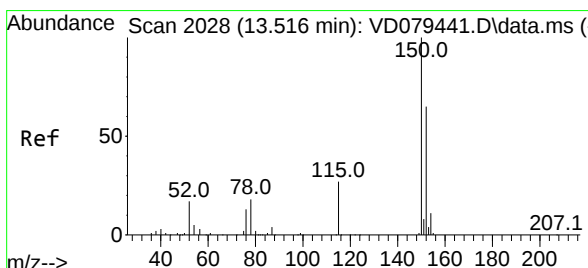
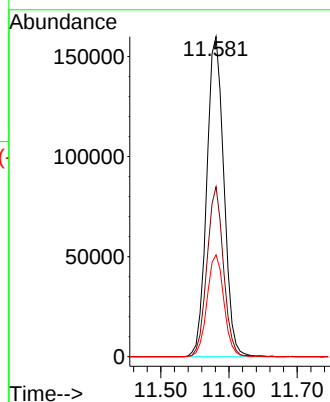
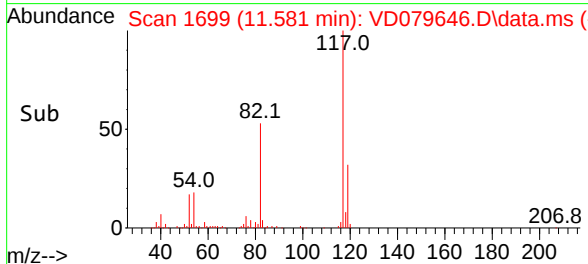


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36

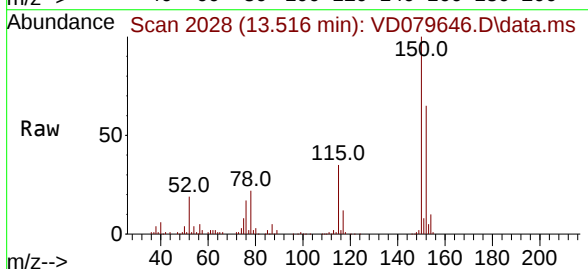
Instrument :
MSVOA_D
ClientSampleId :



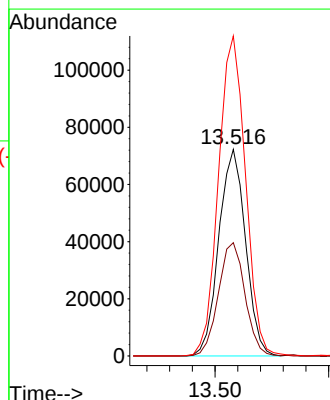
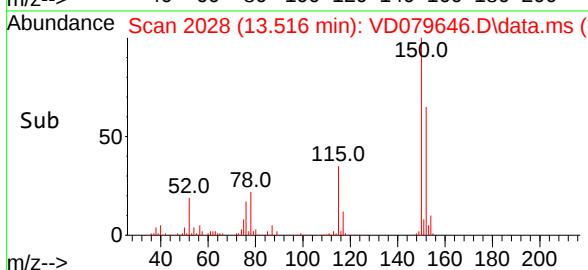
Tgt Ion:117 Resp: 279385
Ion Ratio Lower Upper
117 100
82 53.1 39.8 59.6
119 31.8 25.7 38.5

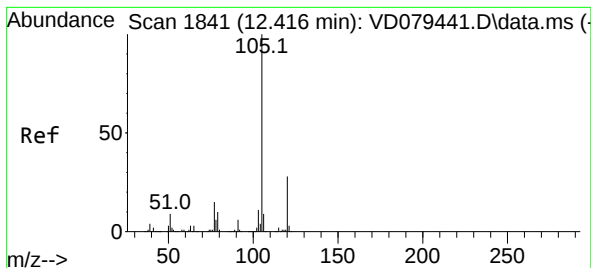


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079646.D
Acq: 07 Aug 2024 17:36



Tgt Ion:152 Resp: 118041
Ion Ratio Lower Upper
152 100
115 54.7 26.5 79.5
150 156.8 0.0 341.6





#73

Isopropylbenzene

Concen: 3.642 ug/l

RT: 12.587 min Scan# 1870

Delta R.T. 0.171 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_D

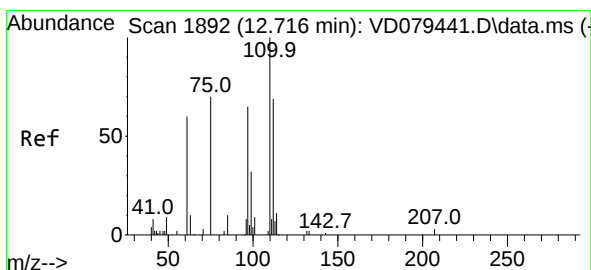
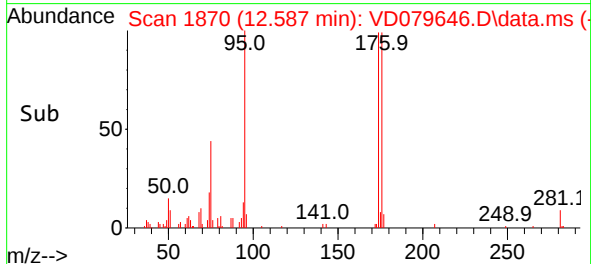
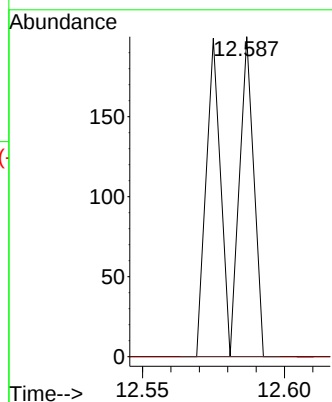
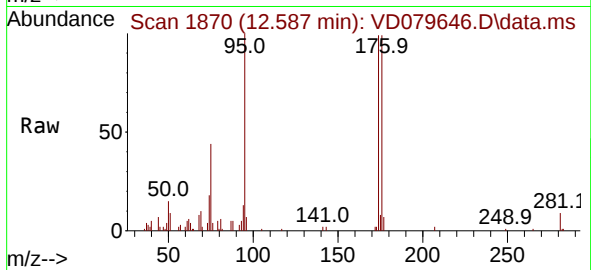
ClientSampleId :

Tgt Ion:105 Resp: 141

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 46.270 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079646.D

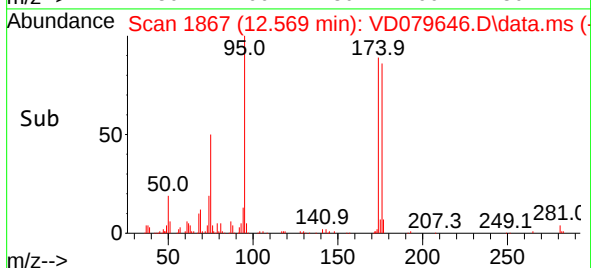
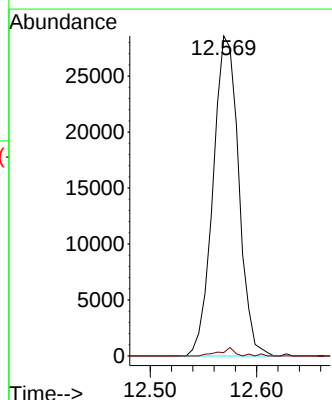
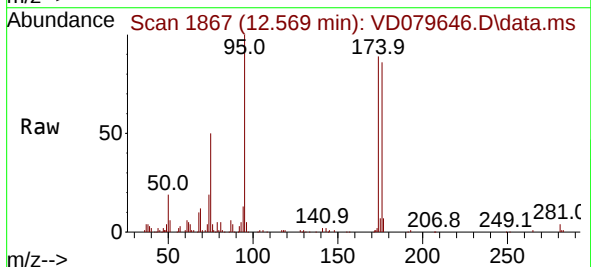
Acq: 07 Aug 2024 17:36

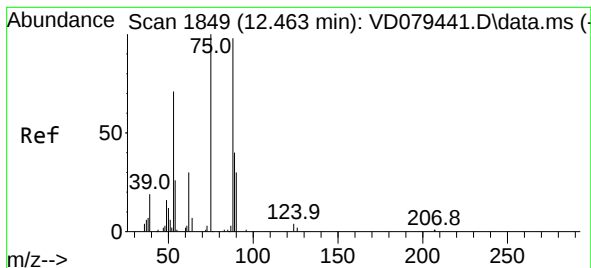
Tgt Ion: 75 Resp: 47741

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

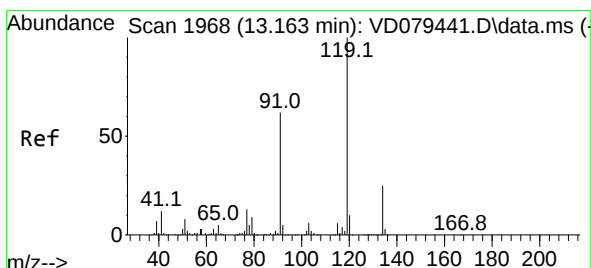
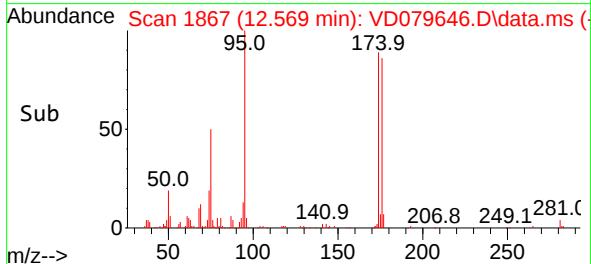
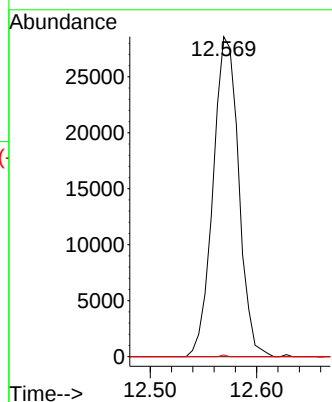
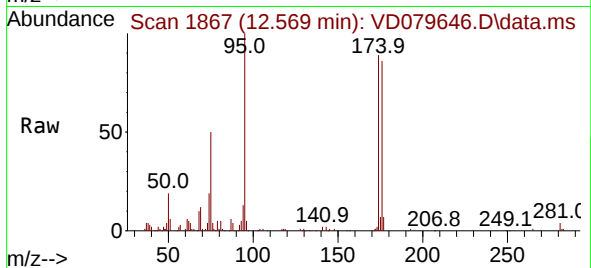




#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.249 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD079646.D
 Acq: 07 Aug 2024 17:36

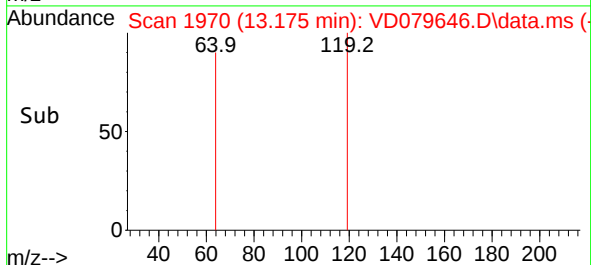
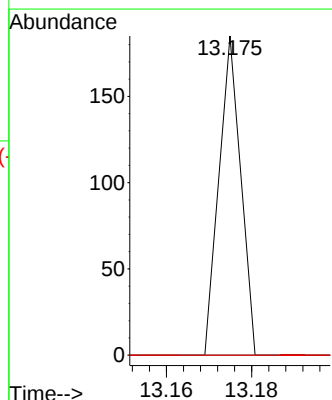
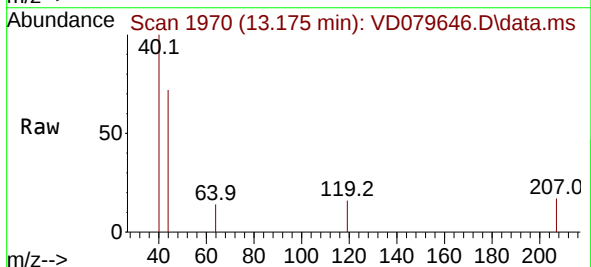
Instrument :
 MSVOA_D
 ClientSampleId :

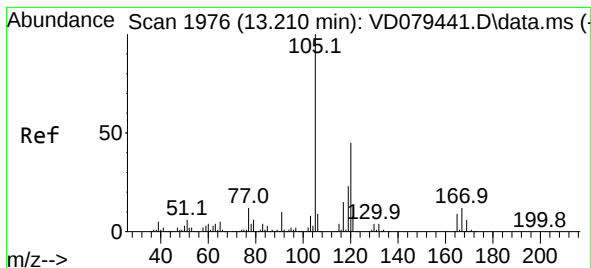
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.1	35.4	53.0#



#83
 tert-Butylbenzene
 Concen: 3.637 ug/l
 RT: 13.175 min Scan# 1970
 Delta R.T. 0.012 min
 Lab File: VD079646.D
 Acq: 07 Aug 2024 17:36

Tgt 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: 3.447 ug/l

RT: 13.204 min Scan# 1975

Delta R.T. 0.000 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

Instrument :

MSVOA_D

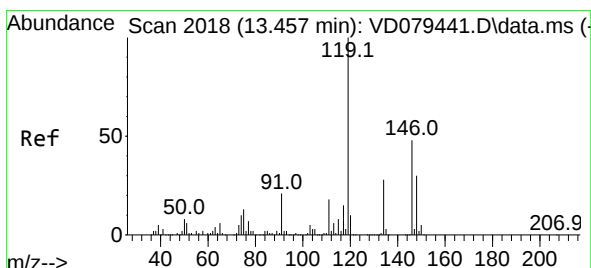
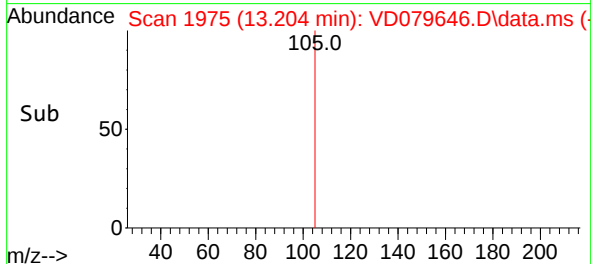
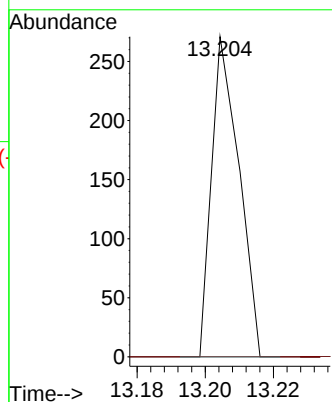
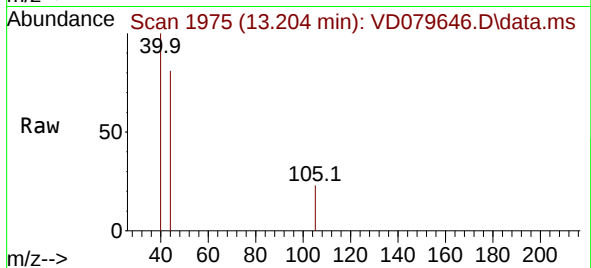
ClientSampleId :

Tgt Ion:105 Resp: 151

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#86

p-Isopropyltoluene

Concen: 3.894 ug/l

RT: 13.175 min Scan# 1970

Delta R.T. -0.282 min

Lab File: VD079646.D

Acq: 07 Aug 2024 17:36

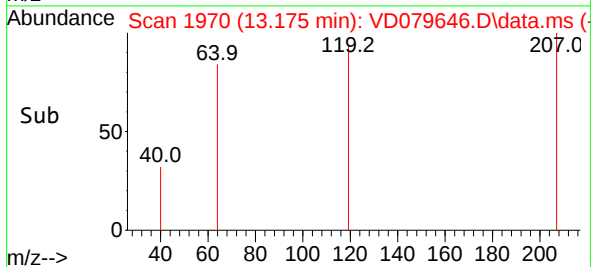
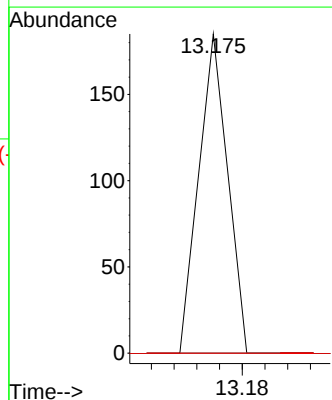
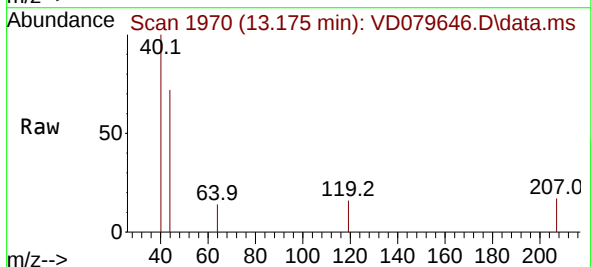
Tgt Ion:119 Resp: 65

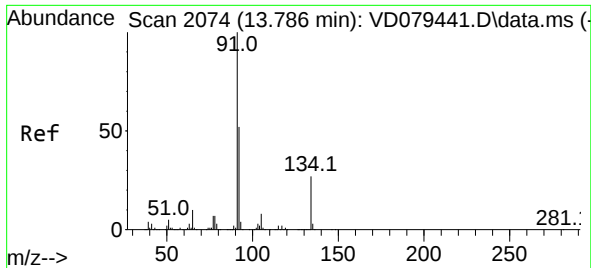
Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

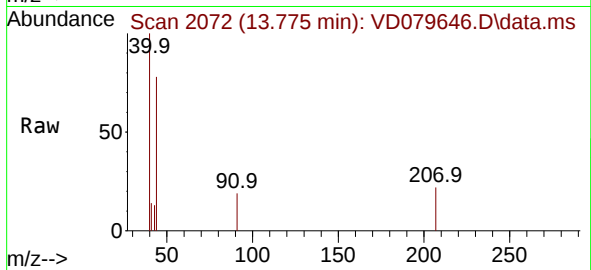
91 0.0 10.7 32.1#





#89
 n-Butylbenzene
 Concen: 3.793 ug/l
 RT: 13.775 min Scan# 2072
 Delta R.T. -0.006 min
 Lab File: VD079646.D
 Acq: 07 Aug 2024 17:36

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	91	Resp:	86
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

