

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079584.D
 Acq On : 05 Aug 2024 16:49
 Operator : RP/MD
 Sample : P3441-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 02:47:09 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)

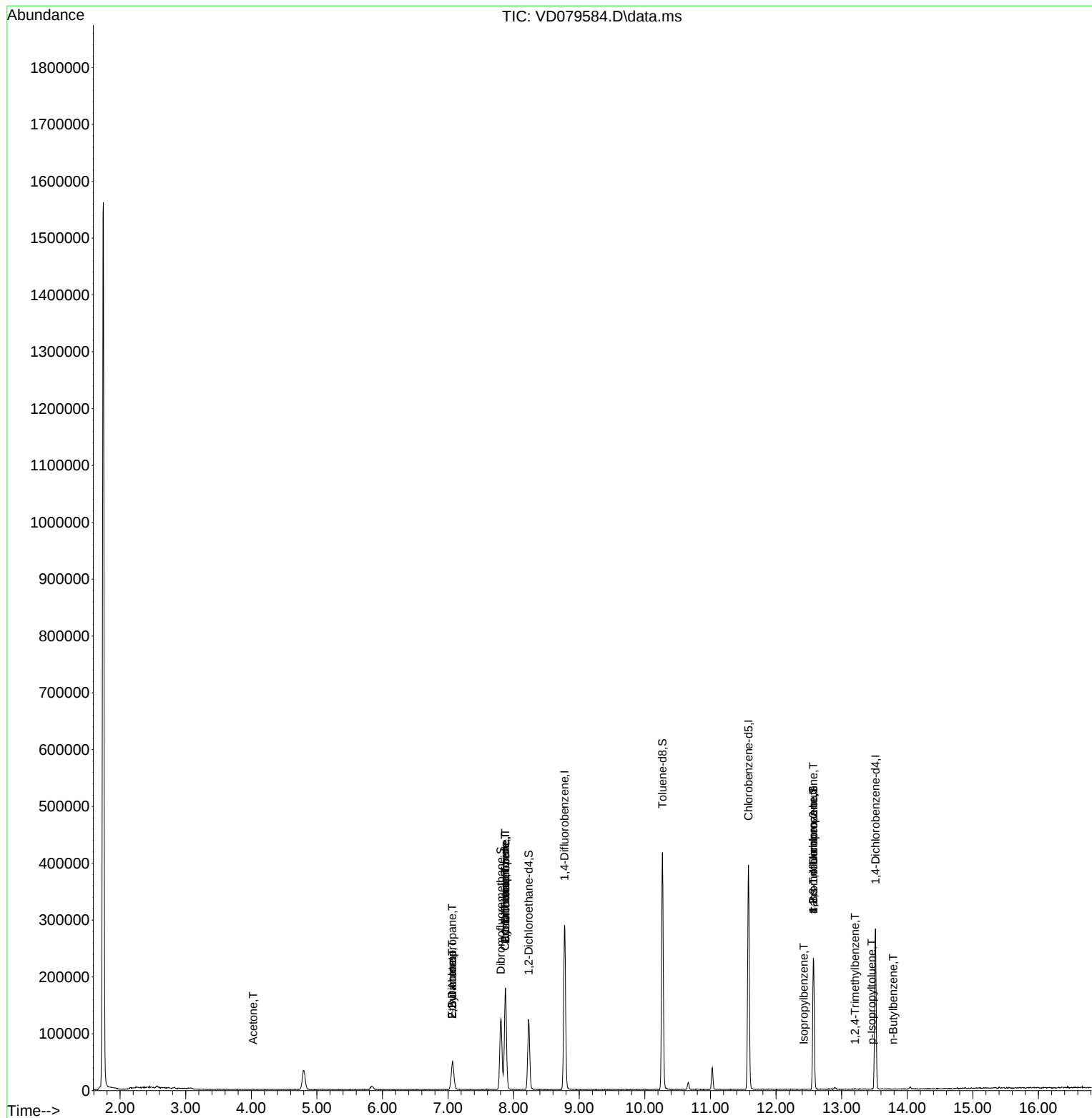
Internal Standards						
1) Pentafluorobenzene	7.875	168	140121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	268023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	232452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91154	64.035	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.080%	
35) Dibromofluoromethane	7.804	113	92458	50.966	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.940%	
50) Toluene-d8	10.269	98	293675	41.687	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 83.380%	
62) 4-Bromofluorobenzene	12.569	95	71092	34.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 69.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	234	Below Cal	#	1
11) Tert butyl alcohol	5.057	59	380	Below Cal	#	86
13) Acrolein	3.793	56	56	Below Cal	#	15
16) Acetone	4.028	43	529	1.912	ug/l #	37
20) Methylene Chloride	4.804	84	28506	Below Cal		96
25) 2-Butanone	7.063	43	2494	6.359	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	3528	1.463	ug/l #	50
31) Cyclohexane	7.875	56	2869	1.214	ug/l #	24
36) 1,1-Dichloropropene	7.875	75	11373	4.593	ug/l #	48
37) Ethyl Acetate	7.063	43	2494	2.457	ug/l #	1
38) Carbon Tetrachloride	7.869	117	13391	5.145	ug/l #	17
73) Isopropylbenzene	12.422	105	66	3.638	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	35786	50.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	35786	96.418	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.204	105	522	3.524	ug/l	93
86) p-Isopropyltoluene	13.457	119	54	3.895	ug/l #	51
89) n-Butylbenzene	13.786	91	106	3.801	ug/l #	34

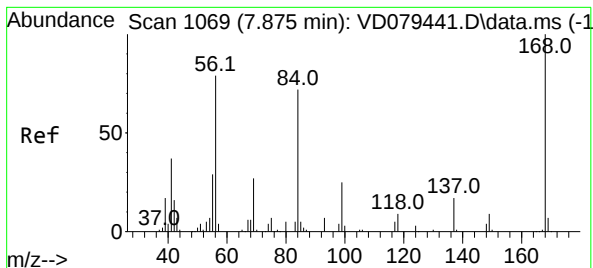
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 06 02:47:09 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

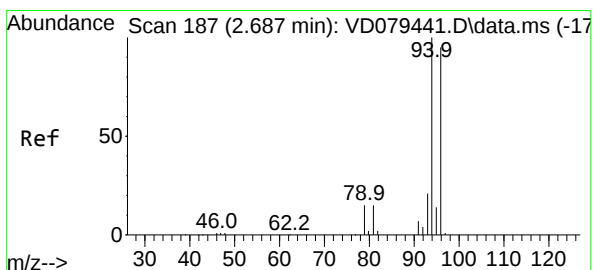
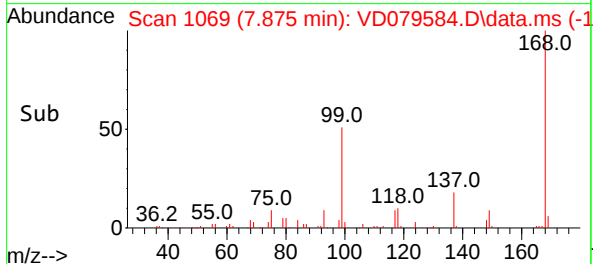
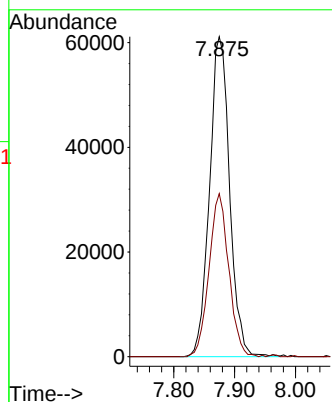
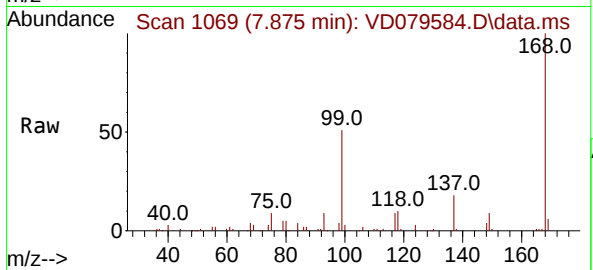




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

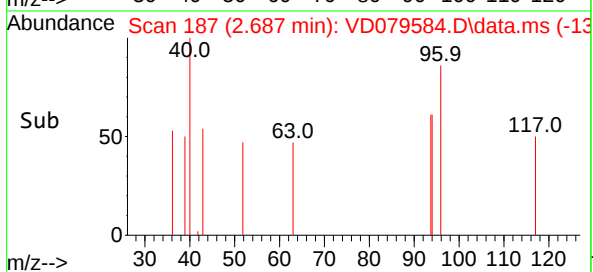
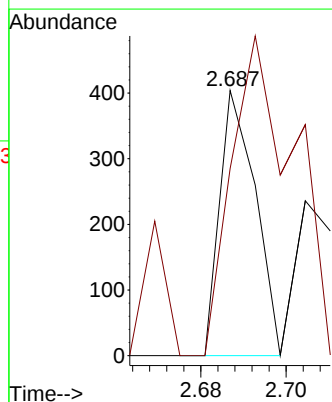
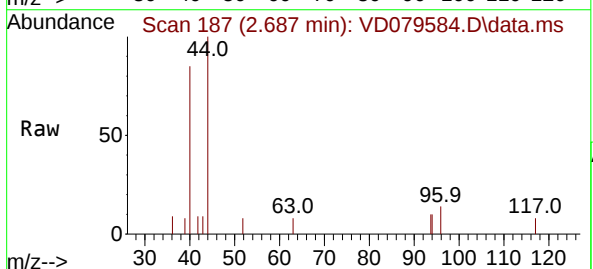
Instrument :
MSVOA_D
ClientSampleId :

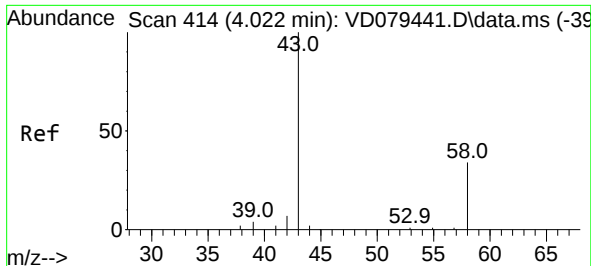
Tgt Ion:168 Resp: 140121
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. -0.000 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

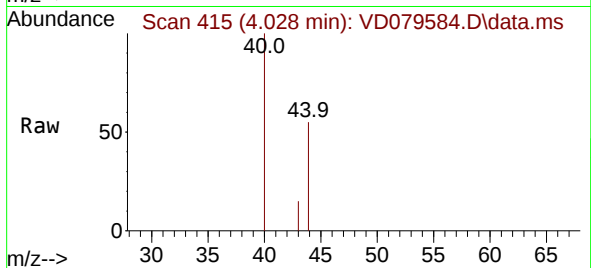
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 236.3 76.9 115.3#



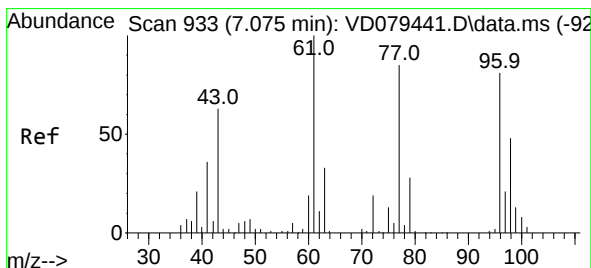
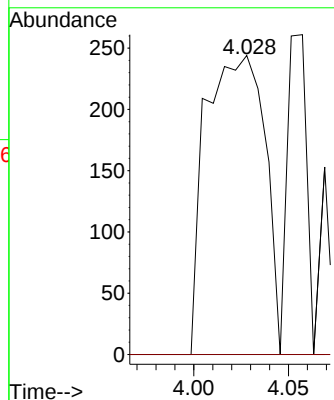
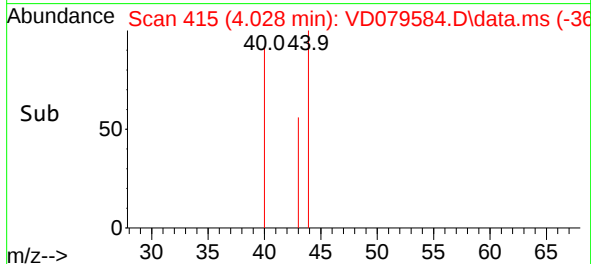


#16
Acetone
Concen: 1.912 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Instrument :
MSVOA_D
ClientSampleId :

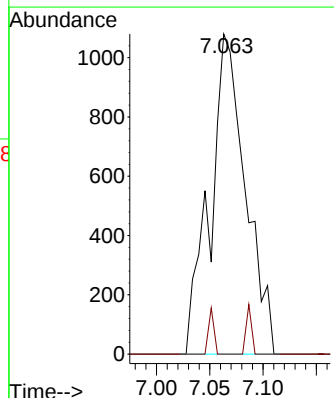
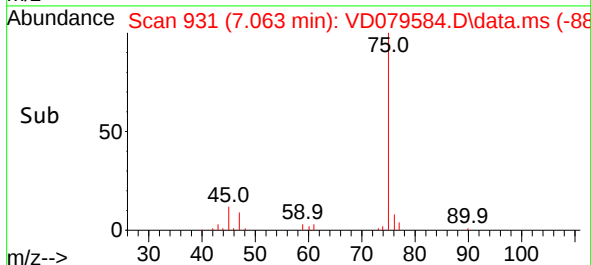
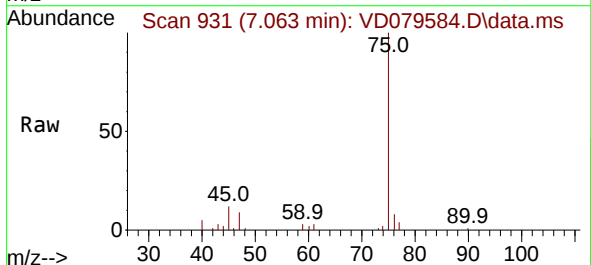


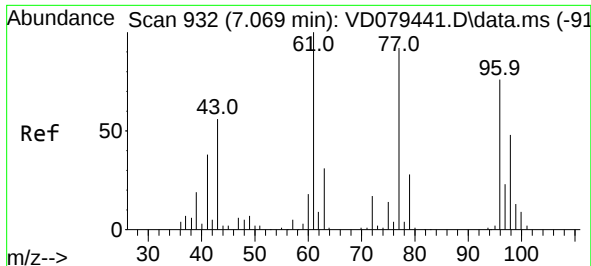
Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#25
2-Butanone
Concen: 6.359 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.030 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#





#26

2,2-Dichloropropane

Concen: 1.463 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD079584.D

Acq: 05 Aug 2024 16:49

Instrument :

MSVOA_D

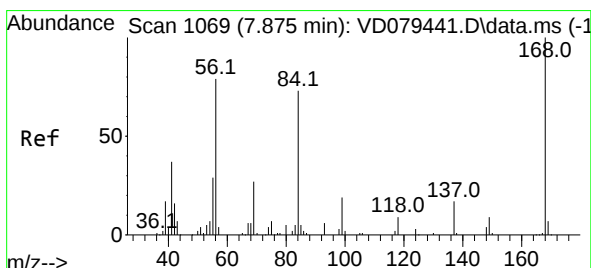
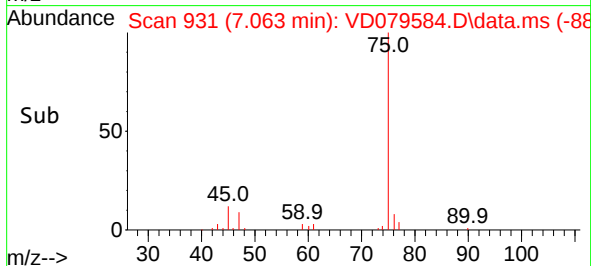
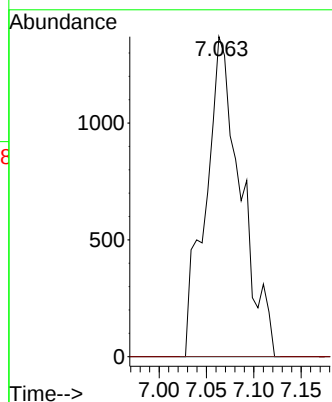
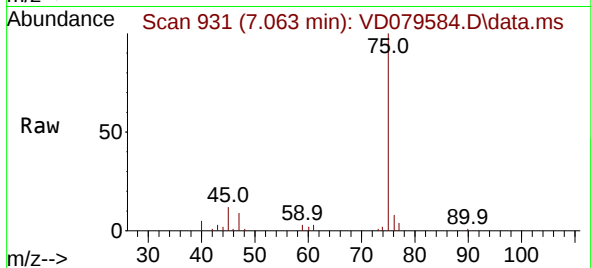
ClientSampleId :

Tgt Ion: 77 Resp: 3528

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.2#



#31

Cyclohexane

Concen: 1.214 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079584.D

Acq: 05 Aug 2024 16:49

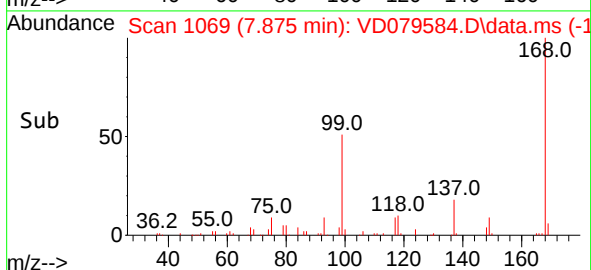
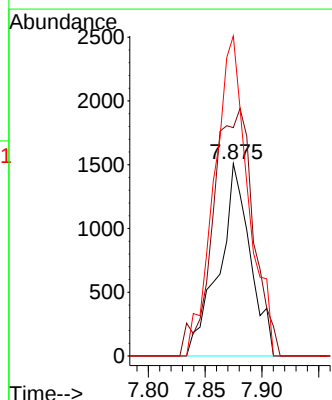
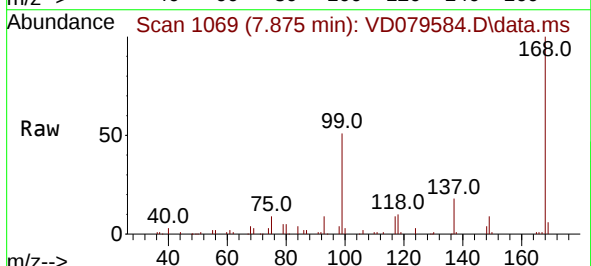
Tgt Ion: 56 Resp: 2869

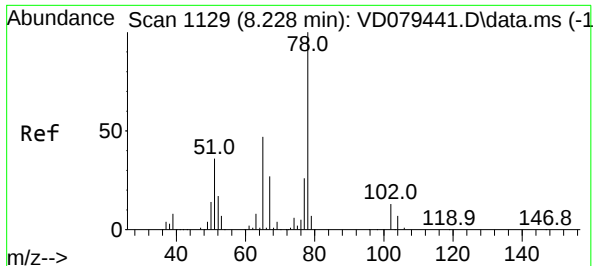
Ion Ratio Lower Upper

56 100

69 118.7 28.0 42.0#

84 166.3 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 64.035 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079584.D

Acq: 05 Aug 2024 16:49

Instrument :

MSVOA_D

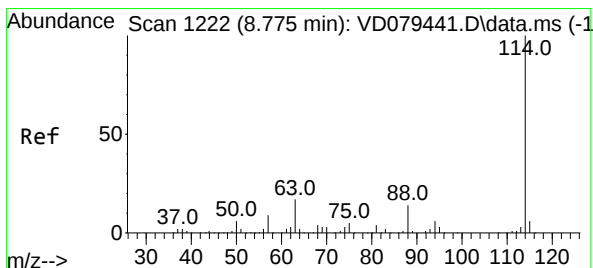
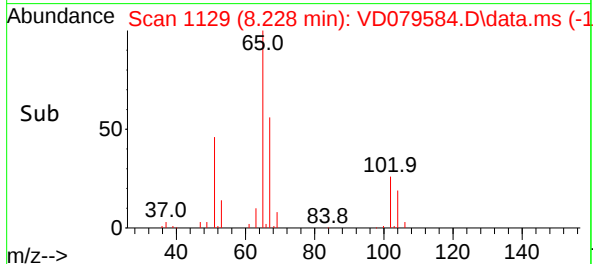
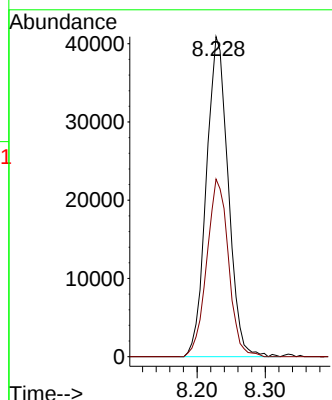
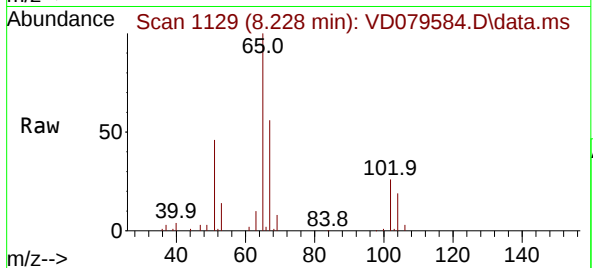
ClientSampleId :

Tgt Ion: 65 Resp: 91154

Ion Ratio Lower Upper

65 100

67 55.2 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: VD079584.D

Acq: 05 Aug 2024 16:49

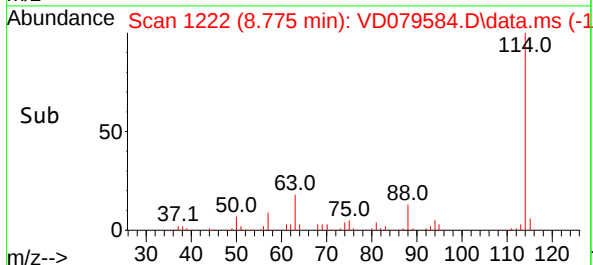
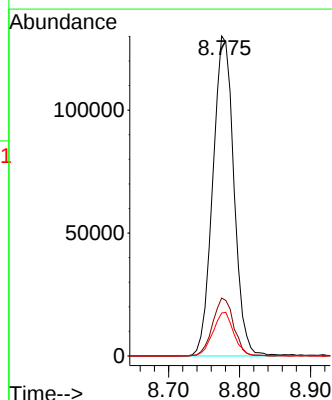
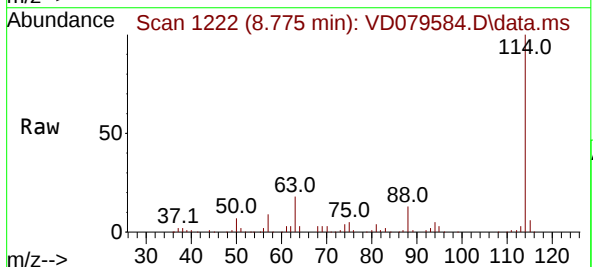
Tgt Ion: 114 Resp: 268023

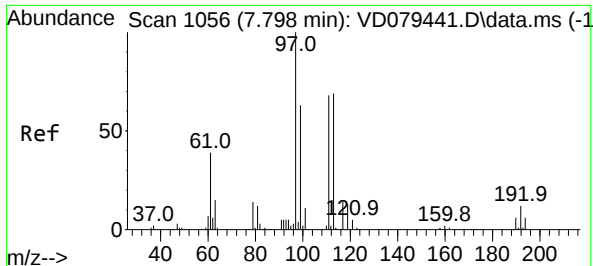
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.0

88 13.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.966 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079584.D

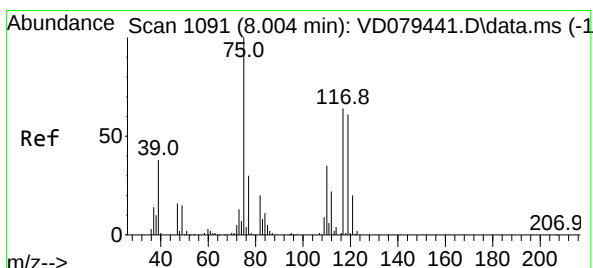
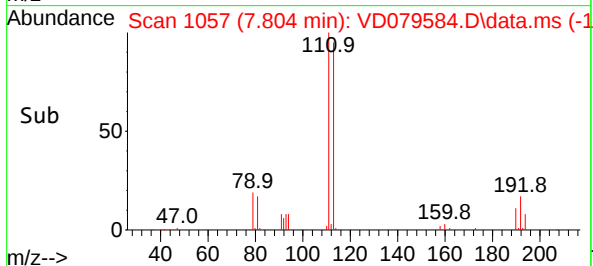
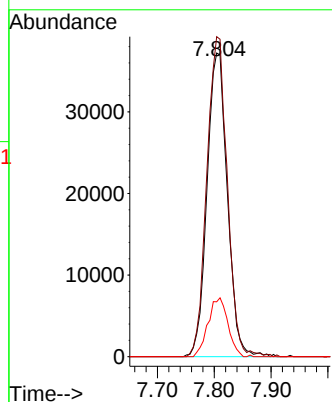
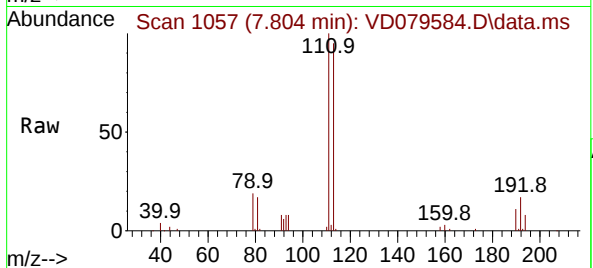
Acq: 05 Aug 2024 16:49

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	92458
Ion	Ratio	Lower	Upper
113	100		
111	105.9	84.0	126.0
192	18.9	15.4	23.0



#36

1,1-Dichloropropene

Concen: 4.593 ug/l

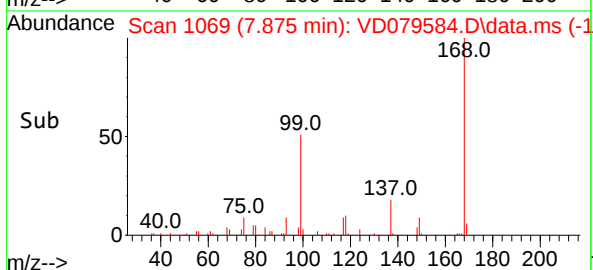
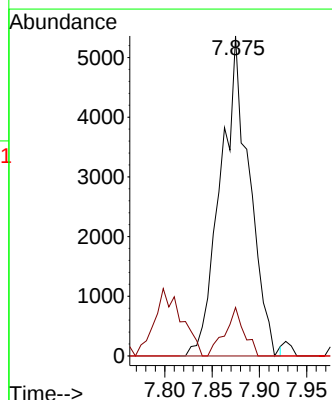
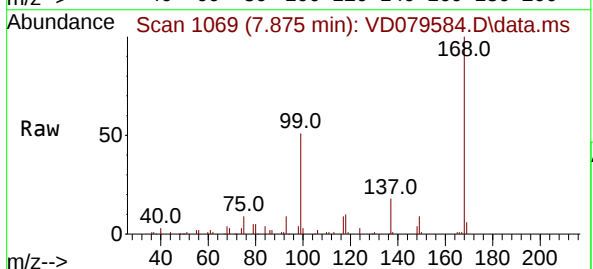
RT: 7.875 min Scan# 1069

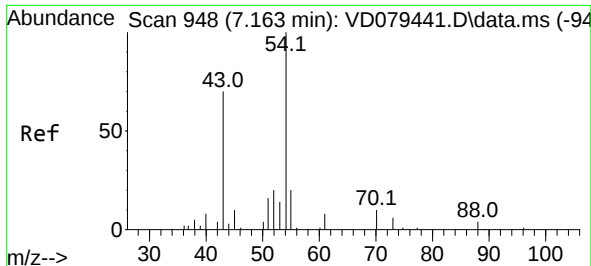
Delta R.T. -0.136 min

Lab File: VD079584.D

Acq: 05 Aug 2024 16:49

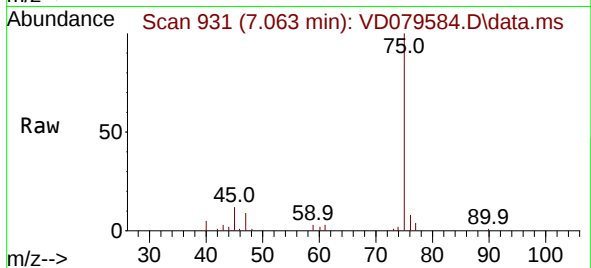
Tgt Ion:	75	Resp:	11373
Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.6	58.7#
77	0.0	26.1	39.1#



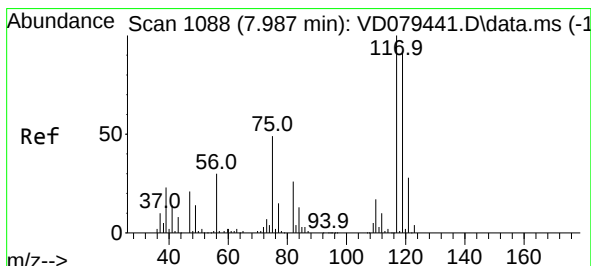
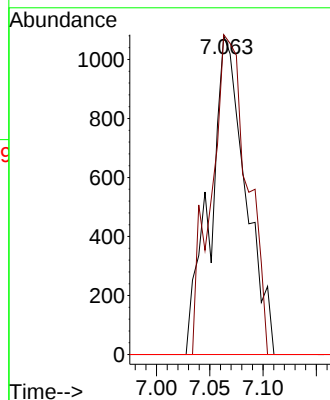
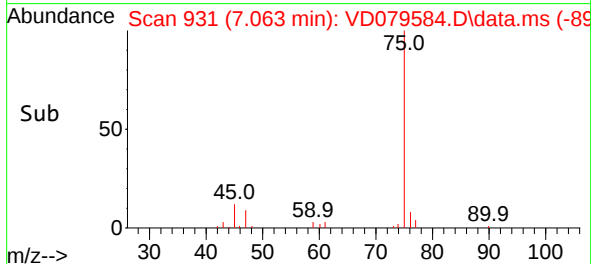


#37
Ethyl Acetate
Concen: 2.457 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.112 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Instrument :
MSVOA_D
ClientSampleId :

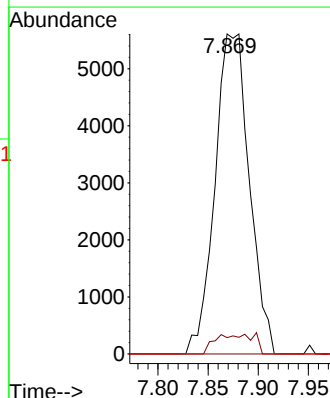
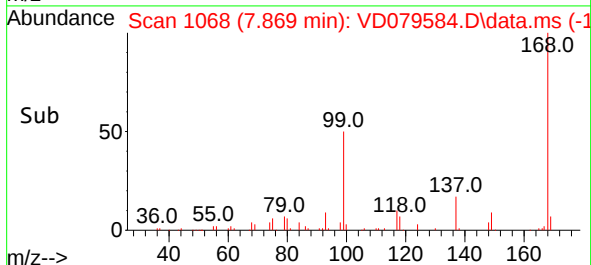
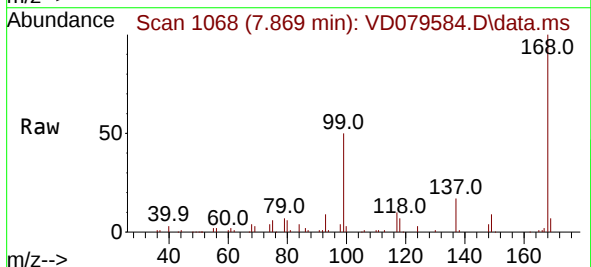


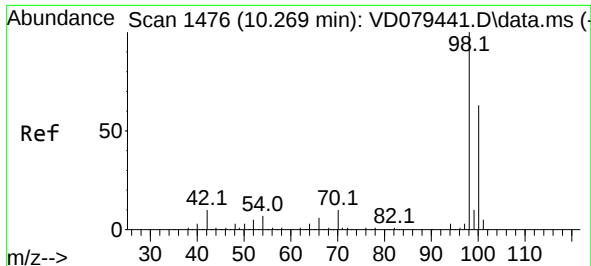
Tgt Ion: 43 Resp: 2494
Ion Ratio Lower Upper
43 100
61 103.0 13.9 20.9#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 5.145 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Tgt Ion: 117 Resp: 13391
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 25.0 37.4#

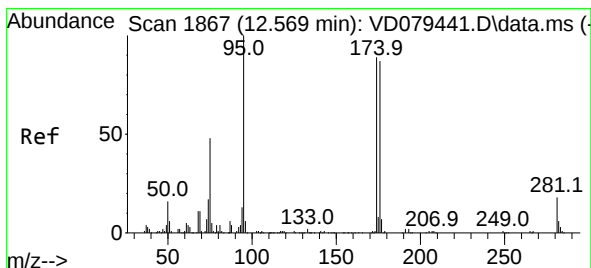
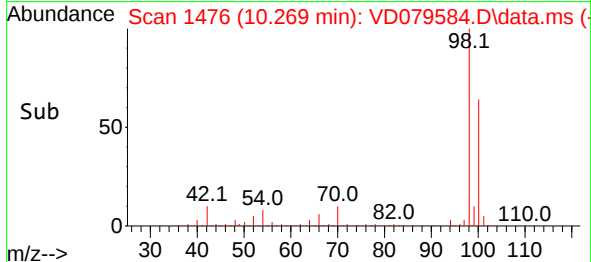
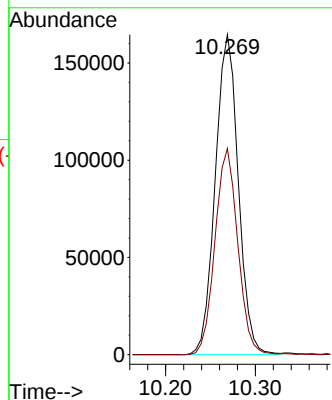
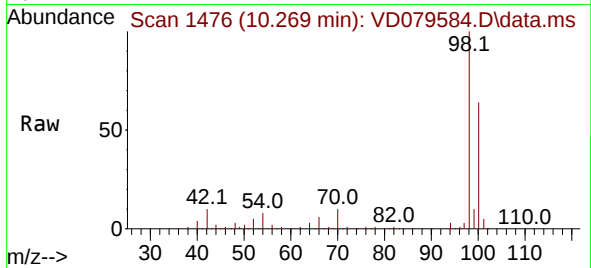




#50
Toluene-d8
Concen: 41.687 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

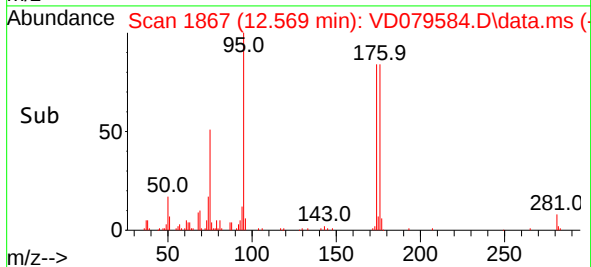
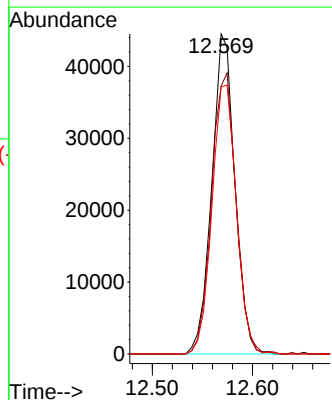
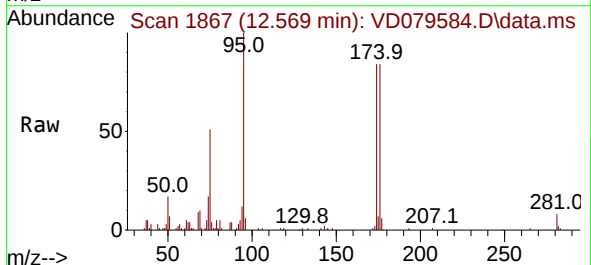
Instrument :
MSVOA_D
ClientSampleId :

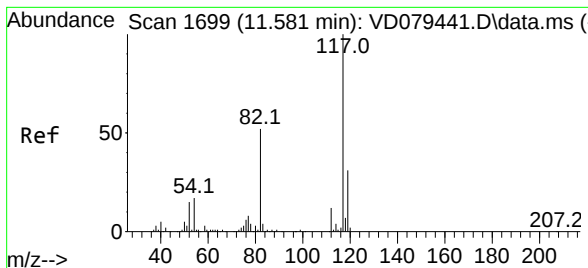
Tgt Ion: 98 Resp: 293675
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 34.872 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

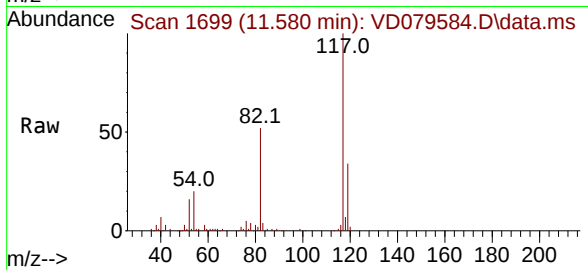
Tgt Ion: 95 Resp: 71092
Ion Ratio Lower Upper
95 100
174 93.1 0.0 195.4
176 89.1 0.0 192.6



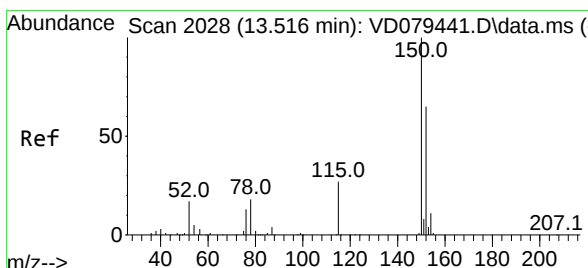
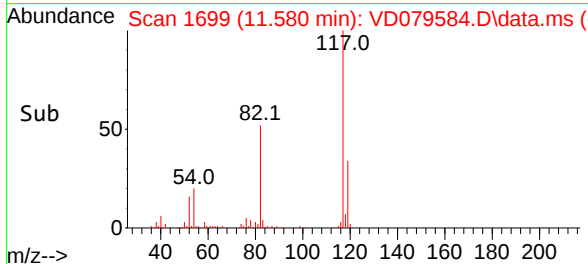
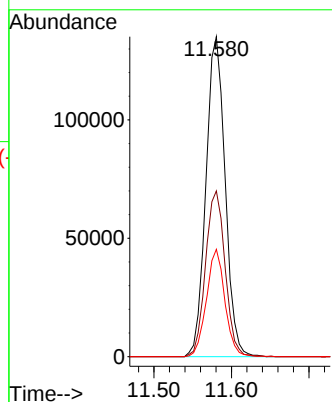


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Instrument :
MSVOA_D
ClientSampleId :

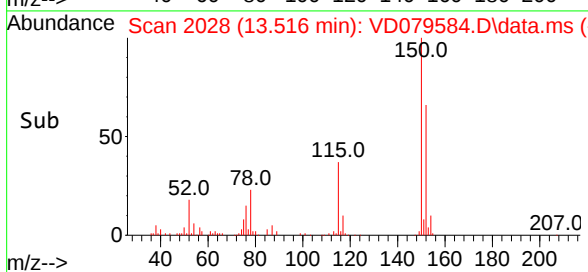
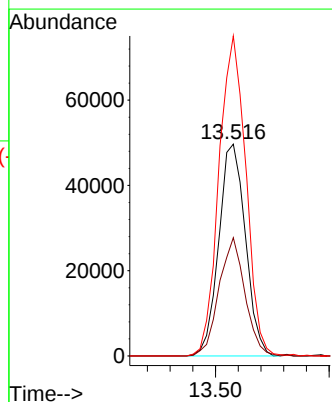
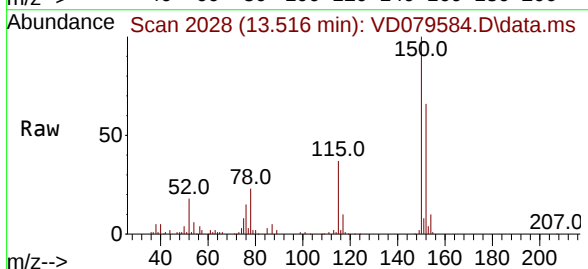


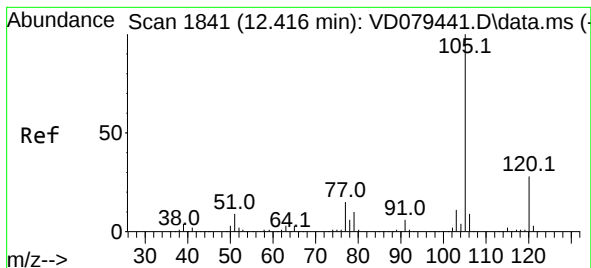
Tgt Ion:117 Resp: 232452
Ion Ratio Lower Upper
117 100
82 51.8 39.8 59.6
119 33.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Tgt Ion:152 Resp: 80985
Ion Ratio Lower Upper
152 100
115 54.3 26.5 79.5
150 152.6 0.0 341.6





#73

Isopropylbenzene

Concen: 3.638 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079584.D

Acq: 05 Aug 2024 16:49

Instrument :

MSVOA_D

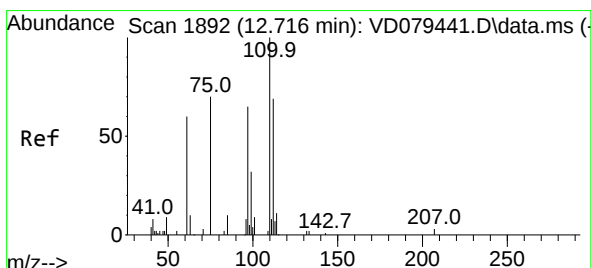
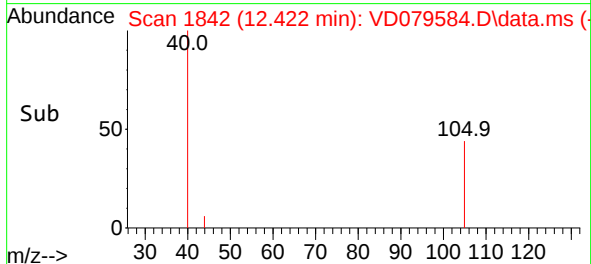
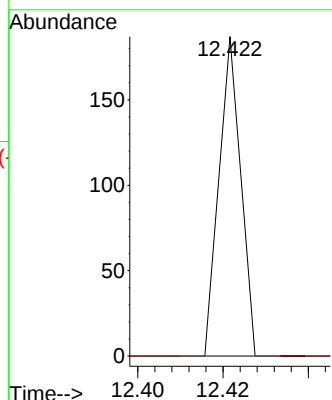
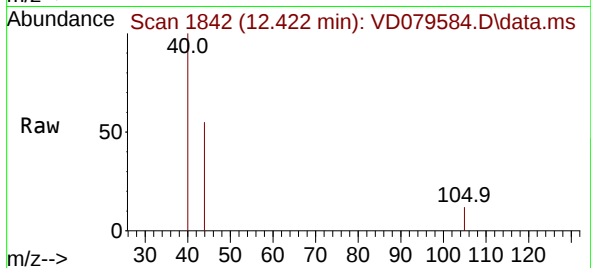
ClientSampleId :

Tgt Ion:105 Resp: 66

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 50.553 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079584.D

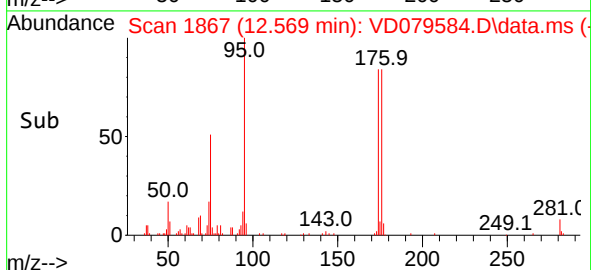
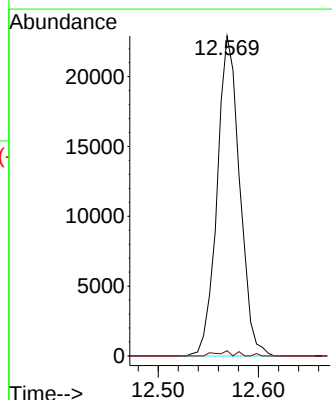
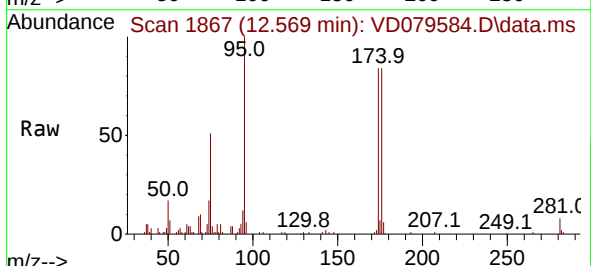
Acq: 05 Aug 2024 16:49

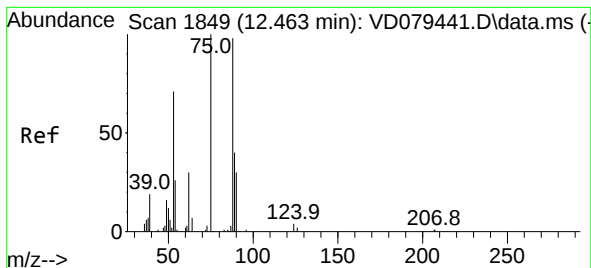
Tgt Ion: 75 Resp: 35786

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

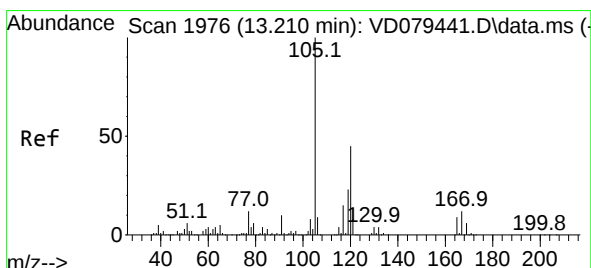
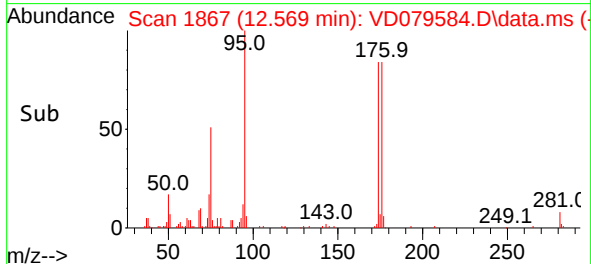
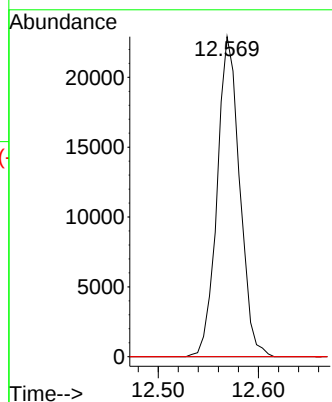
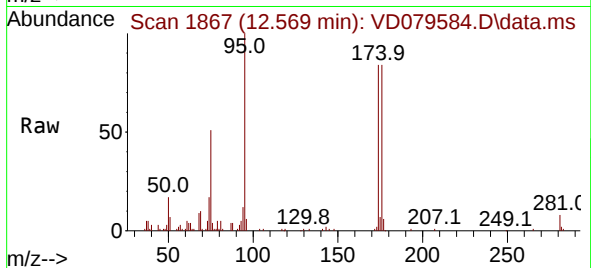




#81
trans-1,4-Dichloro-2-butene
Concen: 96.418 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

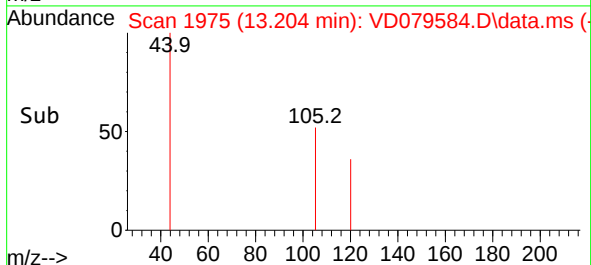
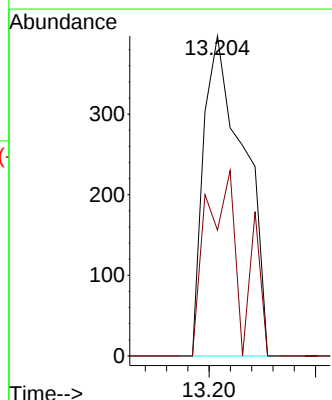
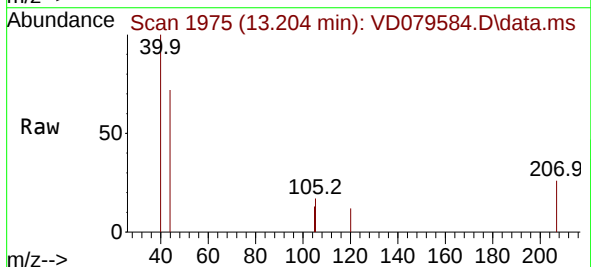
Instrument :
MSVOA_D
ClientSampleId :

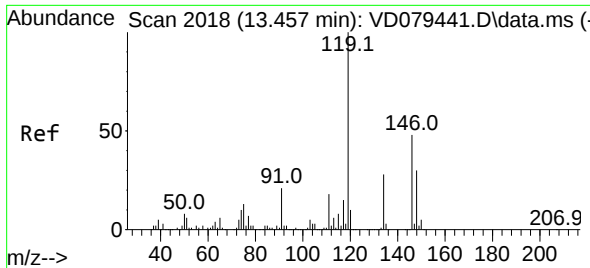
Tgt Ion: 75 Resp: 35786
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.524 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. -0.000 min
Lab File: VD079584.D
Acq: 05 Aug 2024 16:49

Tgt Ion:105 Resp: 522
Ion Ratio Lower Upper
105 100
120 51.7 23.6 71.0

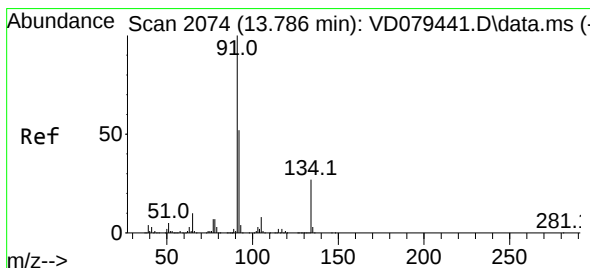
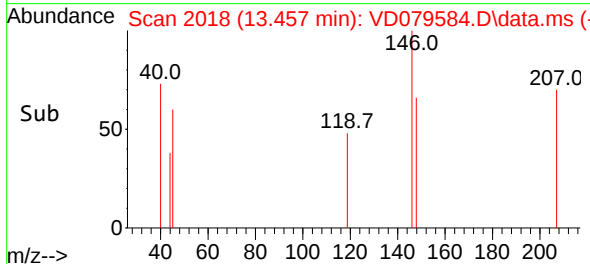
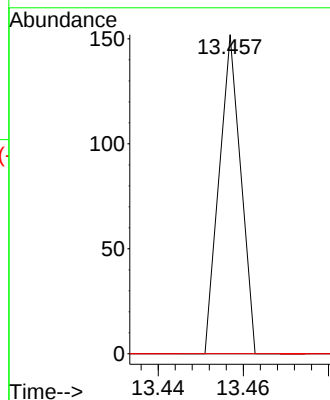
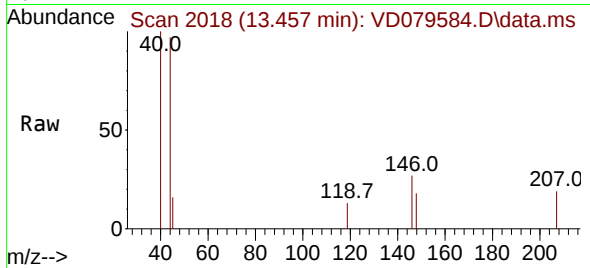




#86
 p-Isopropyltoluene
 Concen: 3.895 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.000 min
 Lab File: VD079584.D
 Acq: 05 Aug 2024 16:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	119	Resp:	54
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89
 n-Butylbenzene
 Concen: 3.801 ug/l
 RT: 13.786 min Scan# 2074
 Delta R.T. 0.005 min
 Lab File: VD079584.D
 Acq: 05 Aug 2024 16:49

Tgt Ion:	91	Resp:	106
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

