

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079764.D
 Acq On : 30 Aug 2024 19:30
 Operator : RP/MD
 Sample : P3799-05
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 31 04:51:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

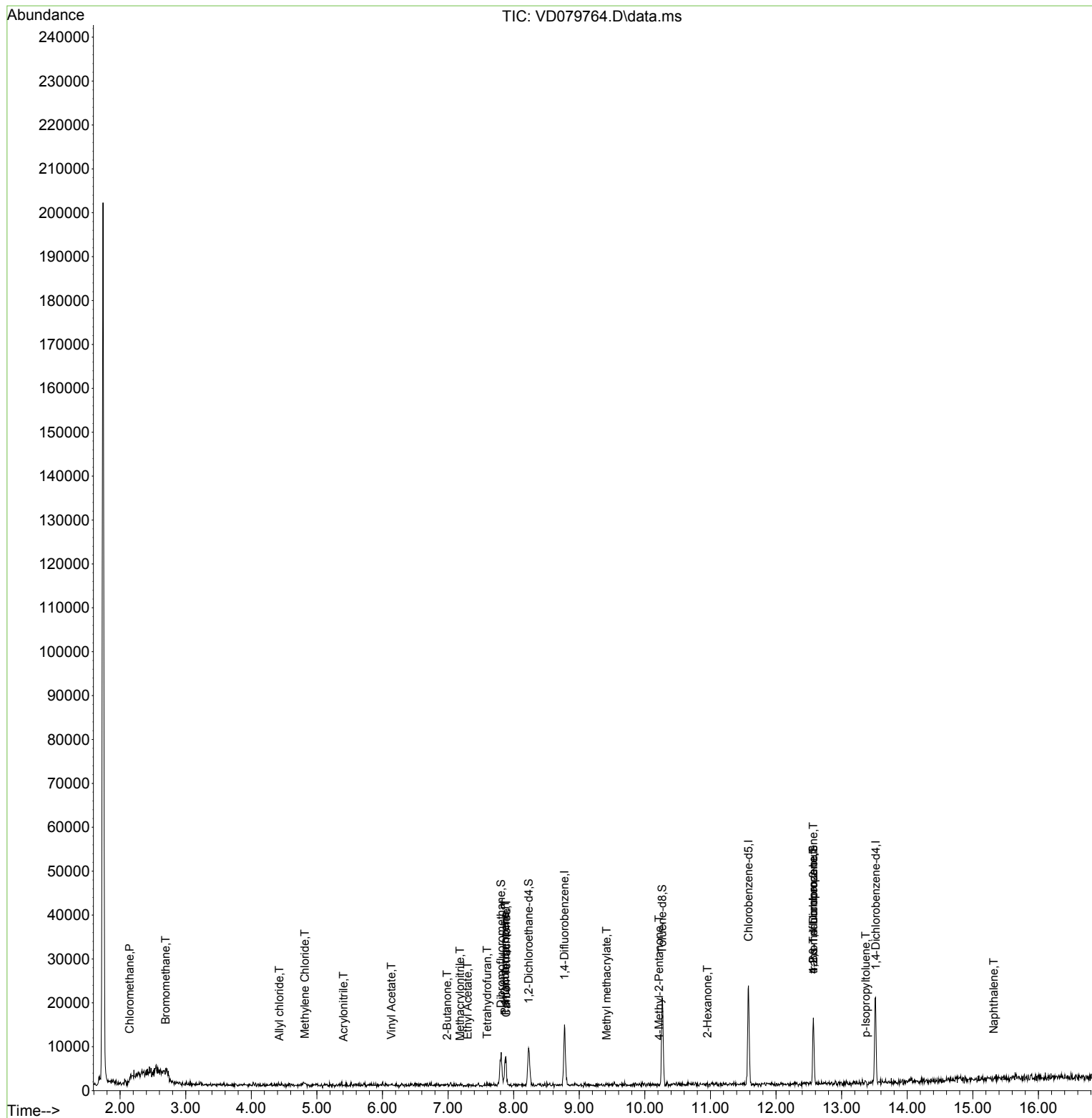
Internal Standards						
1) Pentafluorobenzene	7.869	168	5234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	11898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	12541	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6550	91.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	183.560%#
35) Dibromofluoromethane	7.810	113	5276	68.221	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	136.440%
50) Toluene-d8	10.263	98	15082	45.472	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.940%
62) 4-Bromofluorobenzene	12.569	95	4505	48.542	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	97.080%
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	136	1.039	ug/l	# 40
5) Bromomethane	2.693	94	390	3.572	ug/l	# 48
14) Allyl chloride	4.428	41	117	1.135	ug/l	# 52
15) Acrylonitrile	5.405	53	59	3.464	ug/l	# 17
20) Methylene Chloride	4.816	84	509	3.305	ug/l	# 15
23) Vinyl Acetate	6.134	43	54	2.987	ug/l	# 63
25) 2-Butanone	6.987	43	54	2.733	ug/l	# 42
29) Tetrahydrofuran	7.599	42	80	6.546	ug/l	# 21
36) 1,1-Dichloropropene	7.869	75	443	3.865	ug/l	# 39
37) Ethyl Acetate	7.299	43	70	1.382	ug/l	# 64
38) Carbon Tetrachloride	7.887	117	300	2.454	ug/l	# 25
41) Methacrylonitrile	7.181	41	53	1.828	ug/l	# 12
48) Methyl methacrylate	9.416	41	65	1.425	ug/l	# 2
51) 4-Methyl-2-Pentanone	10.216	43	84	1.702	ug/l	# 31
59) 2-Hexanone	10.957	43	67	21.847	ug/l	# 19
76) 1,2,3-Trichloropropane	12.569	75	2840	64.159	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	2840	107.011	ug/l	# 19
86) p-Isopropyltoluene	13.369	119	116	4.032	ug/l	# 51
95) Naphthalene	15.322	128	205	1.220	ug/l	# 70

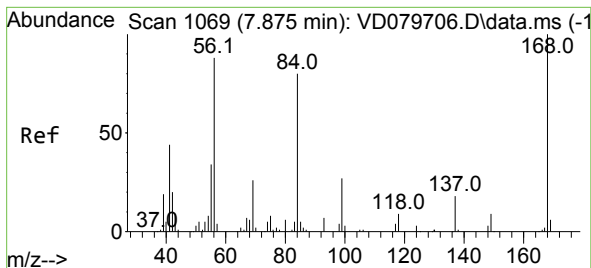
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 30 15:57:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 10

Delta R.T. -0.006 min

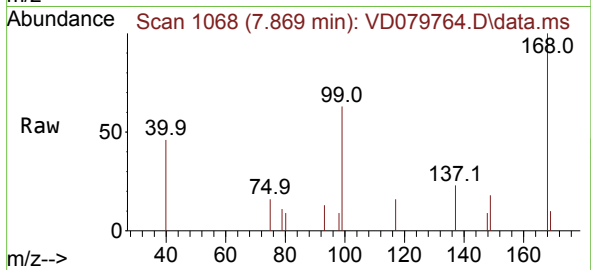
Lab File: VD079764.D

Acq: 30 Aug 2024 19:30

Instrument :

MSVOA_D

ClientSampleId :

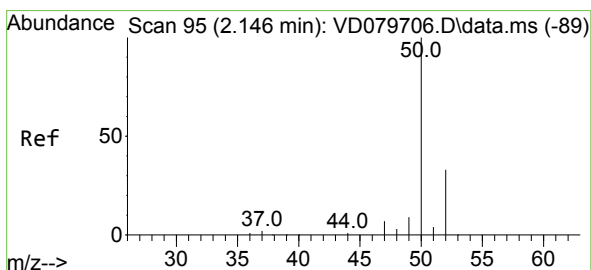
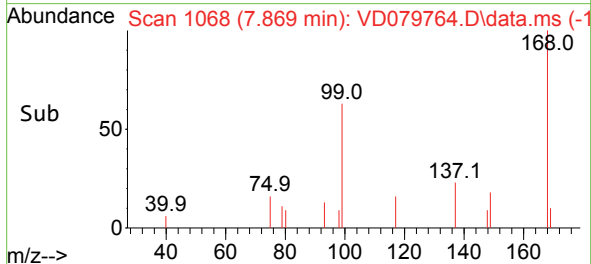
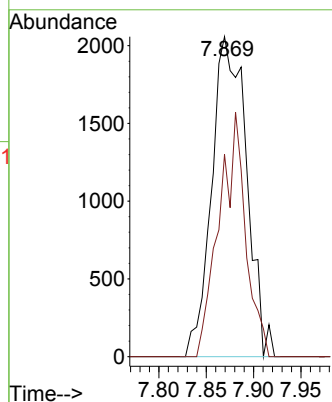


Tgt Ion:168 Resp: 5234

Ion Ratio Lower Upper

168 100

99 63.2 41.1 61.7#



#3

Chloromethane

Concen: 1.039 ug/l

RT: 2.146 min Scan# 95

Delta R.T. -0.000 min

Lab File: VD079764.D

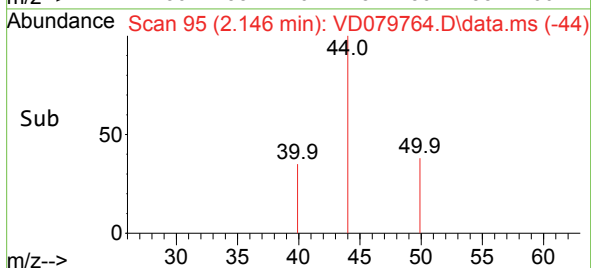
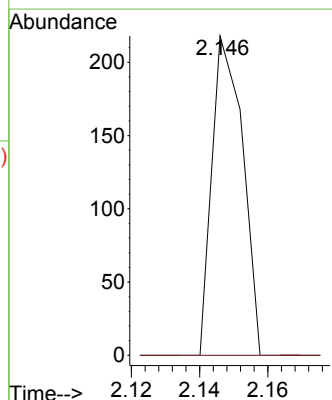
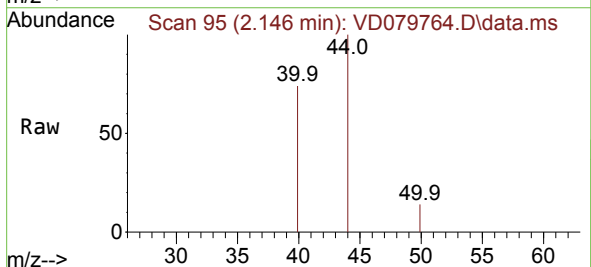
Acq: 30 Aug 2024 19:30

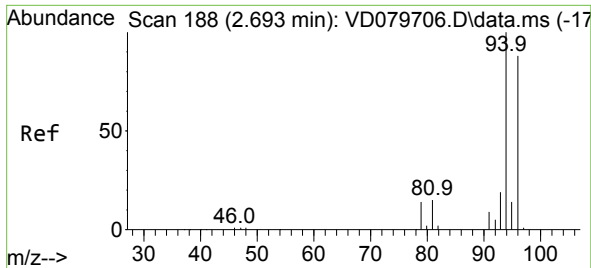
Tgt Ion: 50 Resp: 136

Ion Ratio Lower Upper

50 100

52 0.0 28.2 42.2#

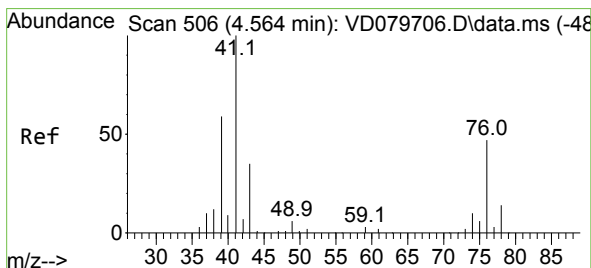
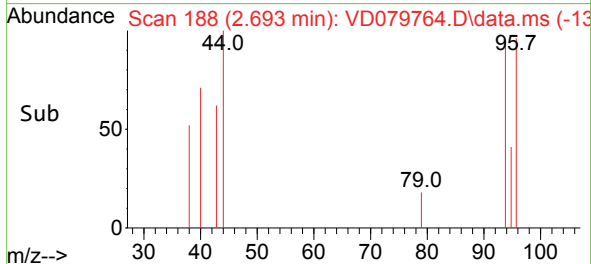
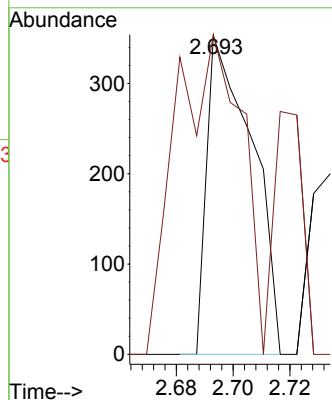
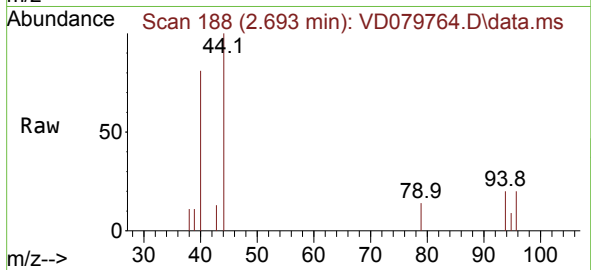




#5
Bromomethane
Concen: 3.572 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

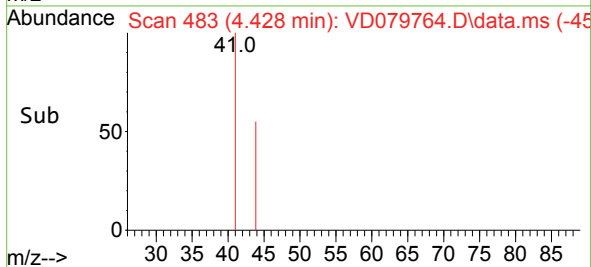
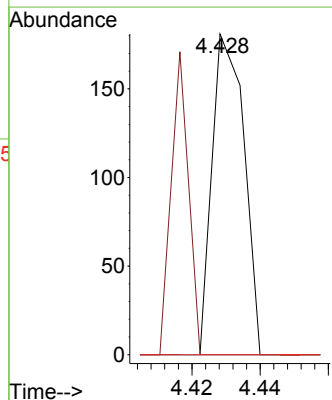
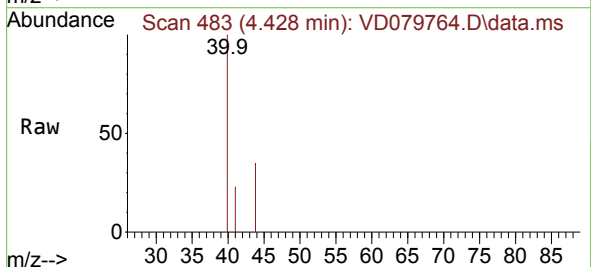
Instrument :
MSVOA_D
ClientSampleId :

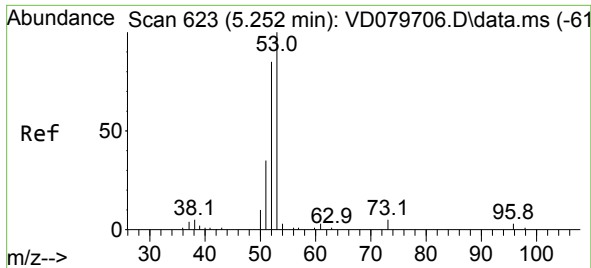
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 146.9 76.9 115.3#



#14
Allyl chloride
Concen: 1.135 ug/l
RT: 4.428 min Scan# 483
Delta R.T. -0.136 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

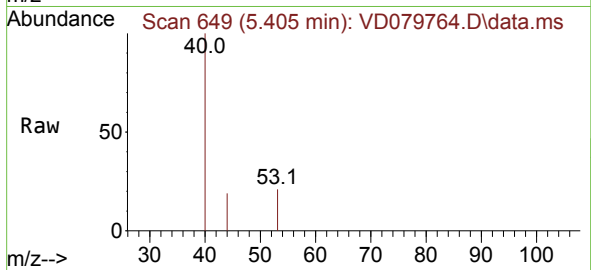
Tgt Ion: 41 Resp: 117
Ion Ratio Lower Upper
41 100
39 51.3 58.0 87.0#
76 0.0 45.9 68.9#



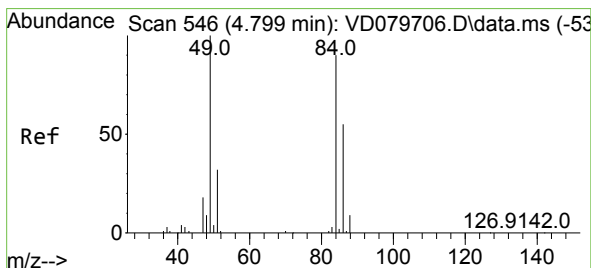
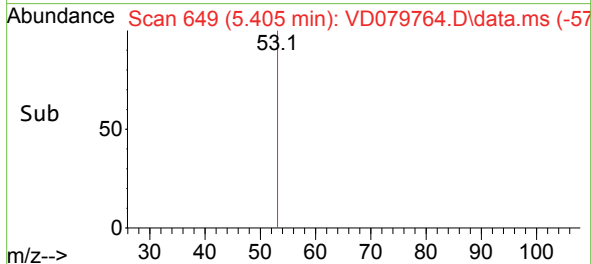
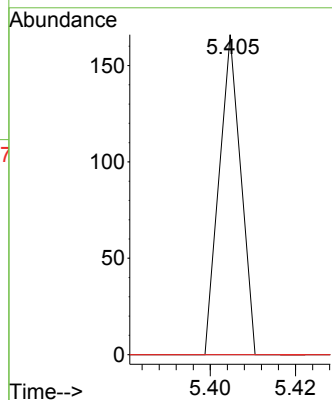


#15
Acrylonitrile
Concen: 3.464 ug/l
RT: 5.405 min Scan# 64
Delta R.T. 0.153 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Instrument :
MSVOA_D
ClientSampleId :

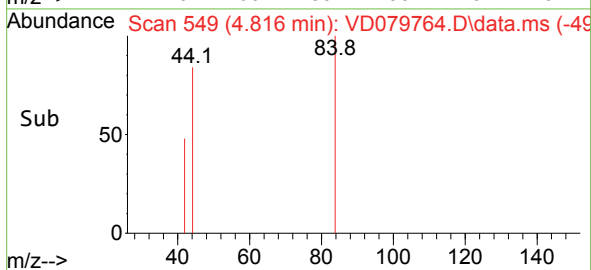
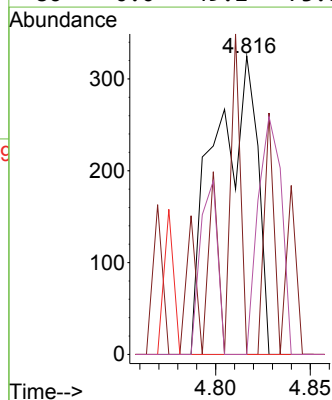
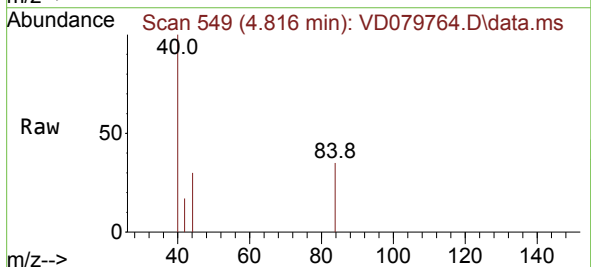


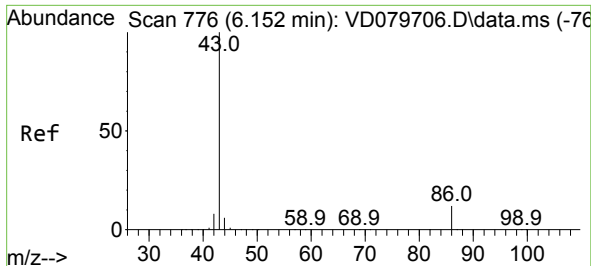
Tgt Ion: 53 Resp: 59
Ion Ratio Lower Upper
53 100
52 0.0 67.7 101.5#
51 0.0 28.6 42.8#



#20
Methylene Chloride
Concen: 3.305 ug/l
RT: 4.816 min Scan# 549
Delta R.T. 0.017 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Tgt Ion: 84 Resp: 509
Ion Ratio Lower Upper
84 100
49 0.0 75.6 113.4#
51 0.0 24.2 36.2#
86 0.0 49.2 73.8#

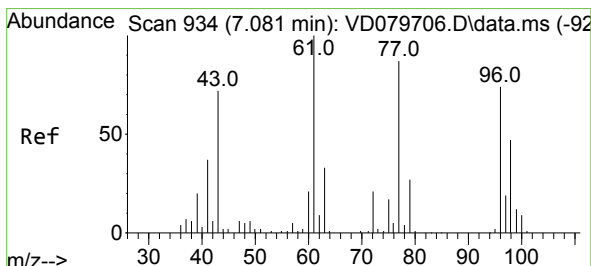
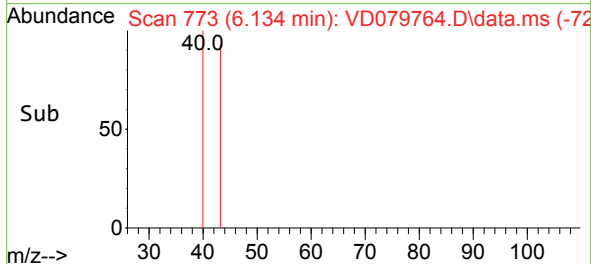
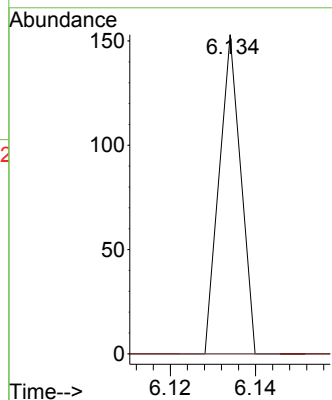
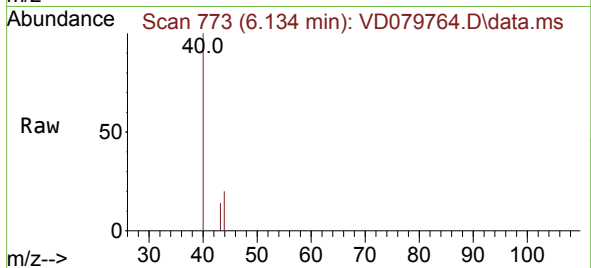




#23
 Vinyl Acetate
 Concen: 2.987 ug/l
 RT: 6.134 min Scan# 71
 Delta R.T. -0.018 min
 Lab File: VD079764.D
 Acq: 30 Aug 2024 19:30

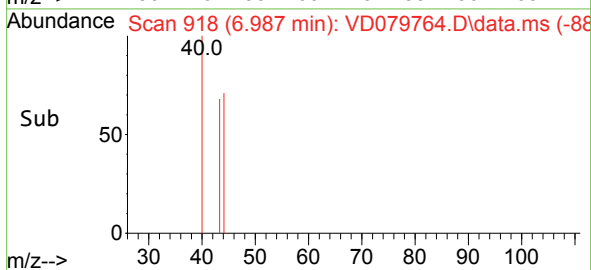
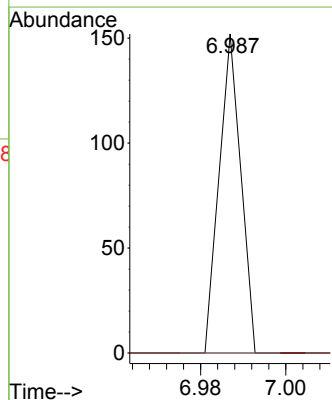
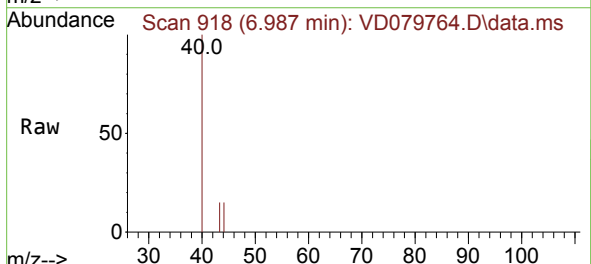
Instrument :
 MSVOA_D
 ClientSampleId :

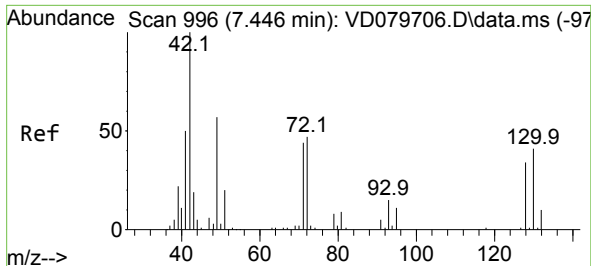
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.3 18.5#



#25
 2-Butanone
 Concen: 2.733 ug/l
 RT: 6.987 min Scan# 918
 Delta R.T. -0.094 min
 Lab File: VD079764.D
 Acq: 30 Aug 2024 19:30

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.4 39.6#





#29

Tetrahydrofuran

Concen: 6.546 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.153 min

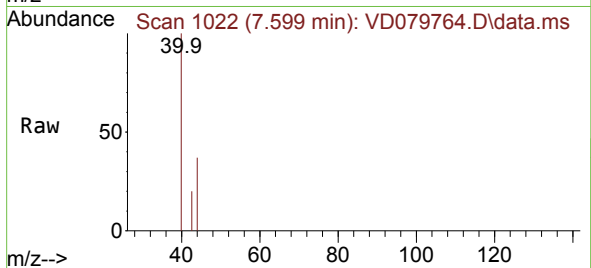
Lab File: VD079764.D

Acq: 30 Aug 2024 19:30

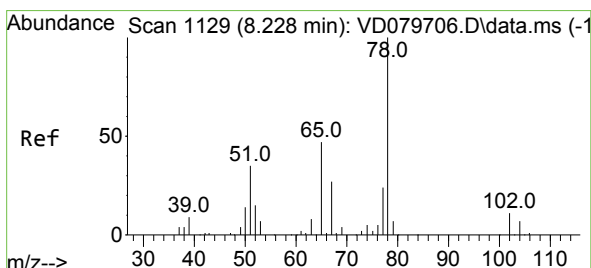
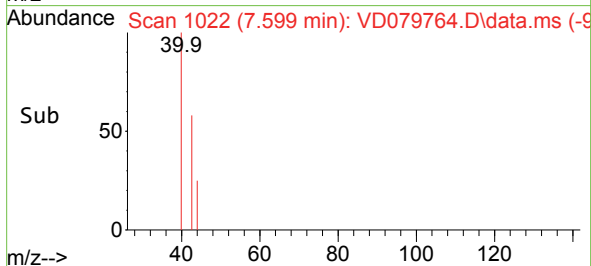
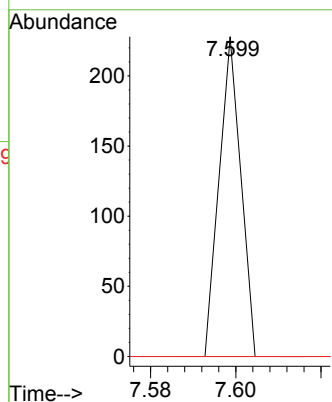
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 42	Resp: 80
Ion Ratio	Lower Upper
42	100
72	0.0 49.4 74.0#
71	0.0 45.0 67.6#



#33

1,2-Dichloroethane-d4

Concen: 91.782 ug/l

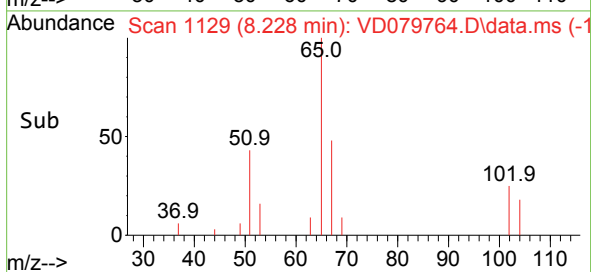
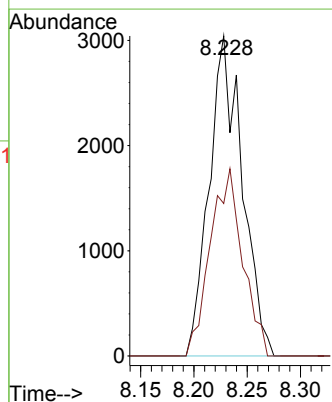
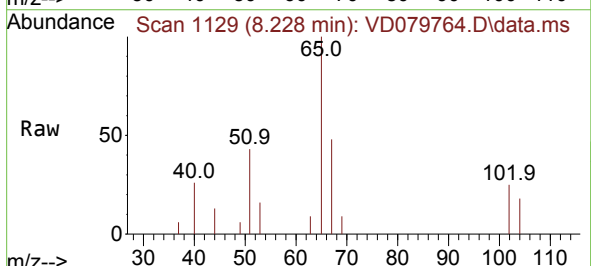
RT: 8.228 min Scan# 1129

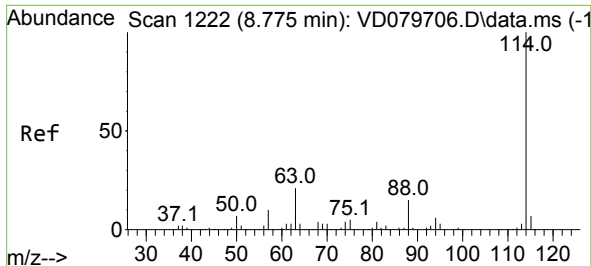
Delta R.T. 0.000 min

Lab File: VD079764.D

Acq: 30 Aug 2024 19:30

Tgt Ion: 65	Resp: 6550
Ion Ratio	Lower Upper
65	100
67	57.5 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: VD079764.D

Acq: 30 Aug 2024 19:30

Instrument :

MSVOA_D

ClientSampleId :

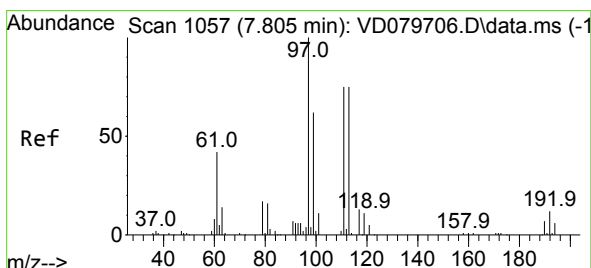
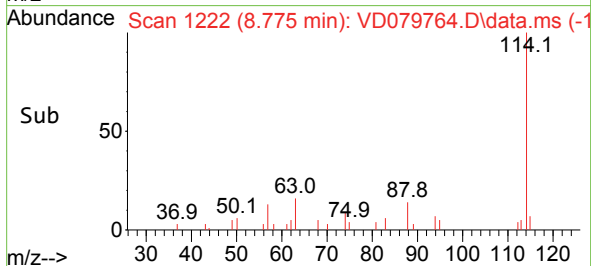
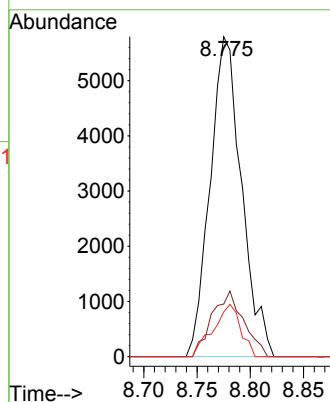
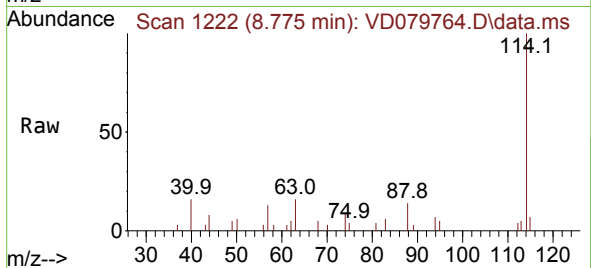
Tgt Ion:114 Resp: 11898

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 68.221 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD079764.D

Acq: 30 Aug 2024 19:30

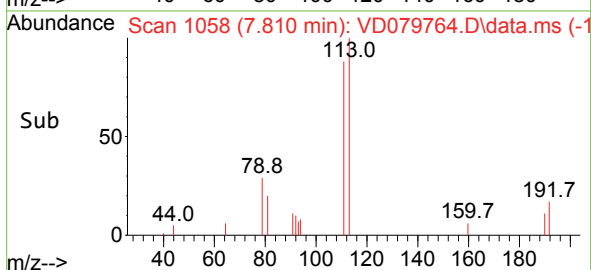
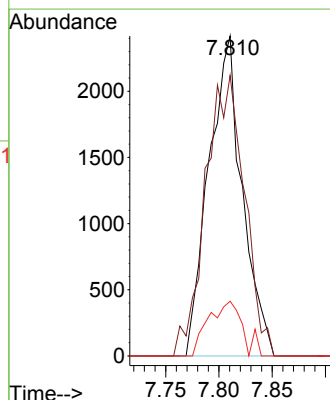
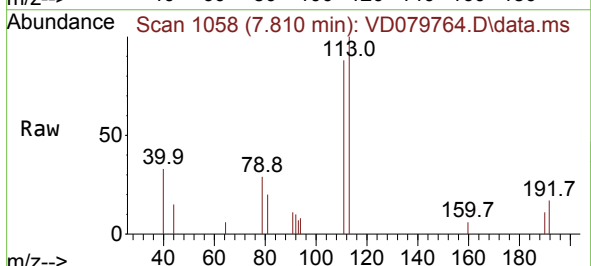
Tgt Ion:113 Resp: 5276

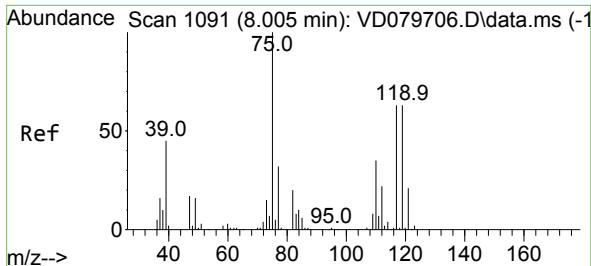
Ion Ratio Lower Upper

113 100

111 102.2 84.0 126.0

192 17.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.865 ug/l

RT: 7.869 min Scan# 1091

Delta R.T. -0.135 min

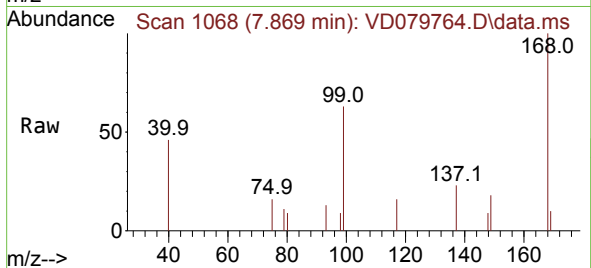
Lab File: VD079764.D

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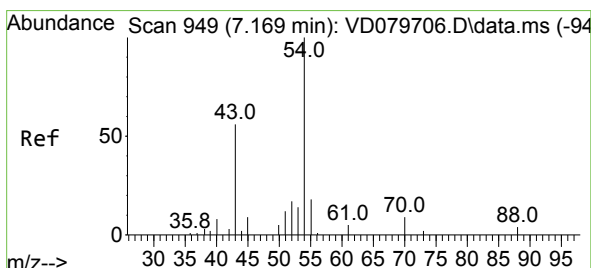
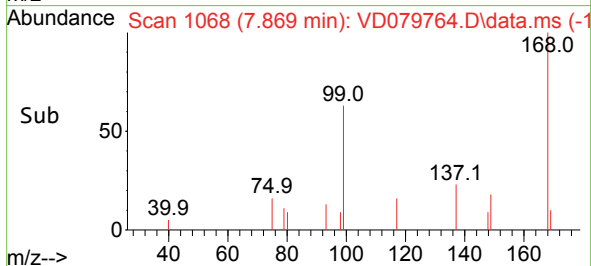
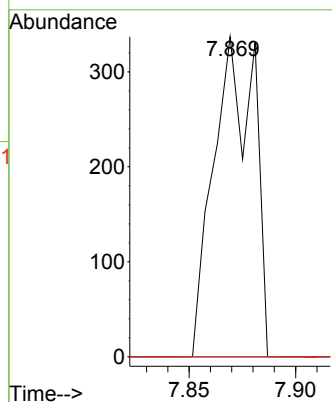
Tgt Ion: 75 Resp: 443

Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 26.1 39.1#



#37

Ethyl Acetate

Concen: 1.382 ug/l

RT: 7.299 min Scan# 971

Delta R.T. 0.129 min

Lab File: VD079764.D

Acq: 30 Aug 2024 19:30

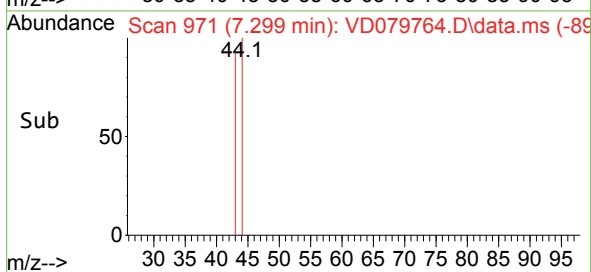
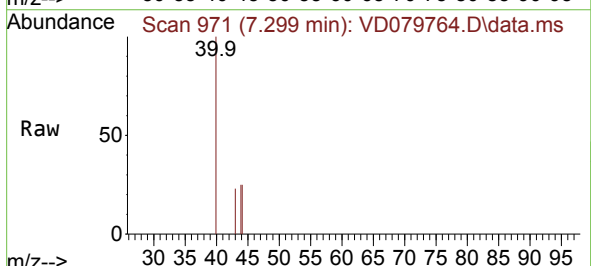
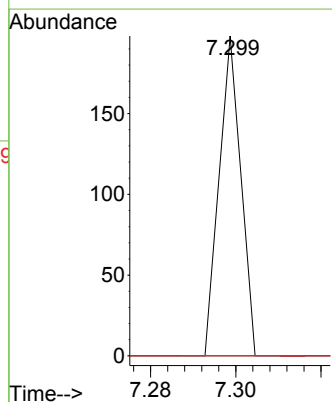
Tgt Ion: 43 Resp: 70

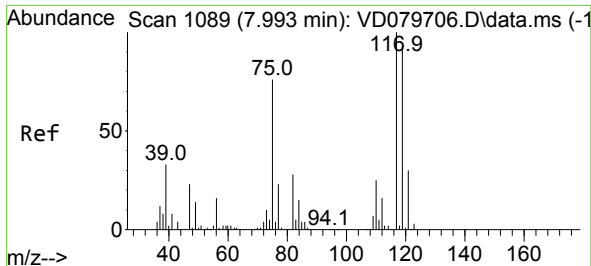
Ion Ratio Lower Upper

43 100

61 0.0 13.9 20.9#

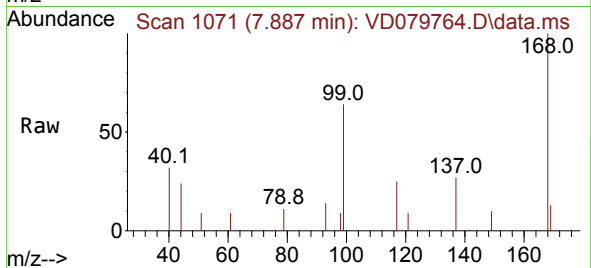
70 0.0 9.8 14.6#



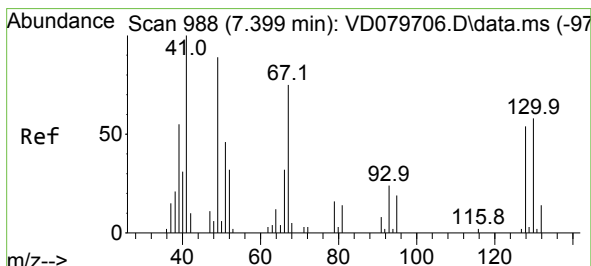
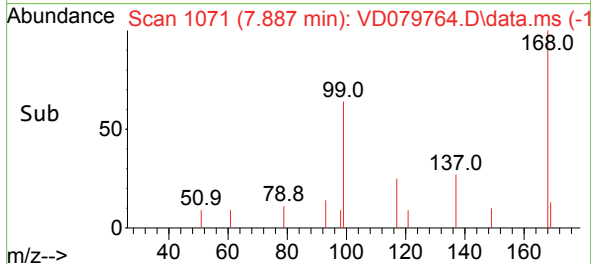
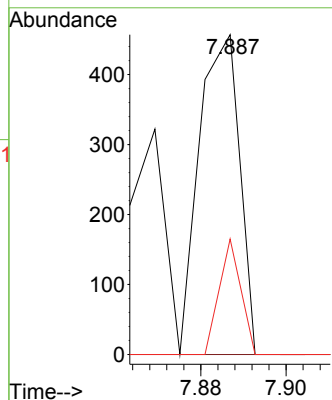


#38
Carbon Tetrachloride
Concen: 2.454 ug/l
RT: 7.887 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Instrument :
MSVOA_D
ClientSampleId :

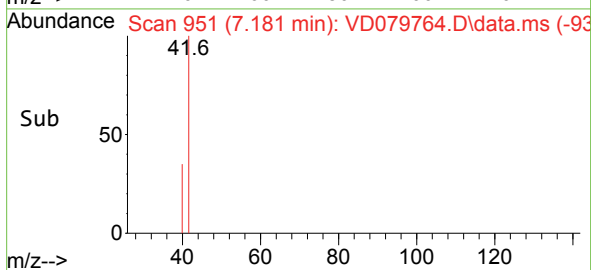
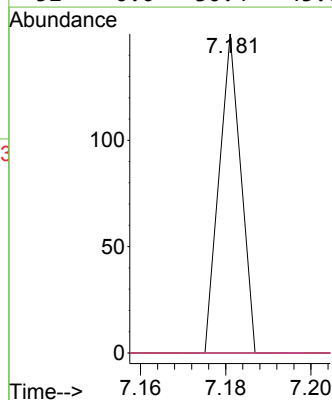
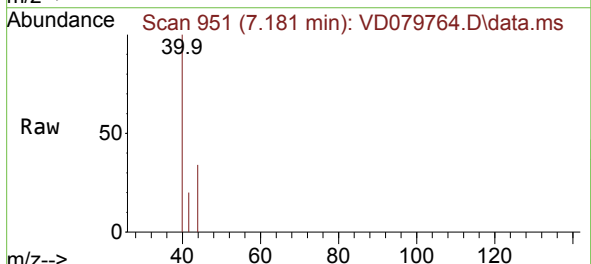


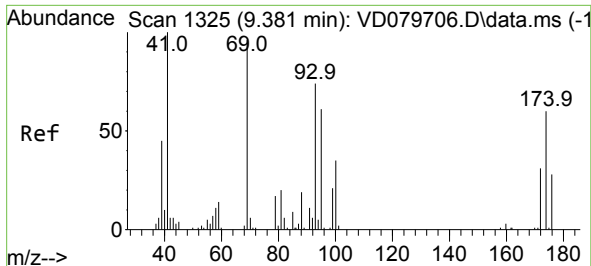
Tgt Ion:117 Resp: 300
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 36.1 25.0 37.4



#41
Methacrylonitrile
Concen: 1.828 ug/l
RT: 7.181 min Scan# 951
Delta R.T. -0.218 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

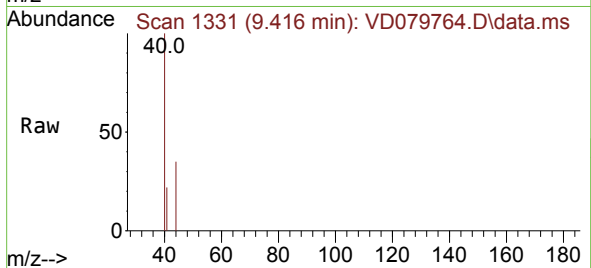
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 41.4 62.0#
67 0.0 85.8 128.6#
52 0.0 30.4 45.6#



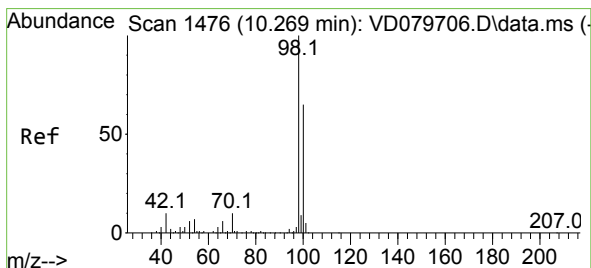
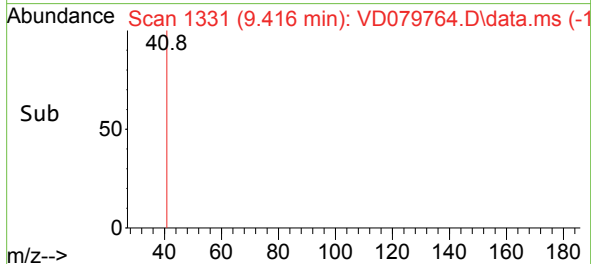
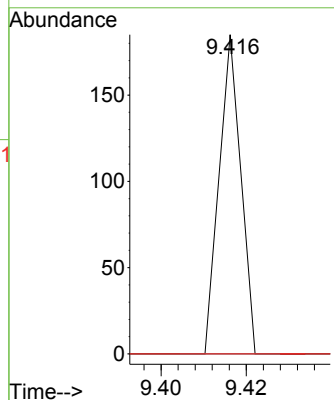


#48
Methyl methacrylate
Concen: 1.425 ug/l
RT: 9.416 min Scan# 11
Delta R.T. 0.035 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Instrument :
MSVOA_D
ClientSampleId :

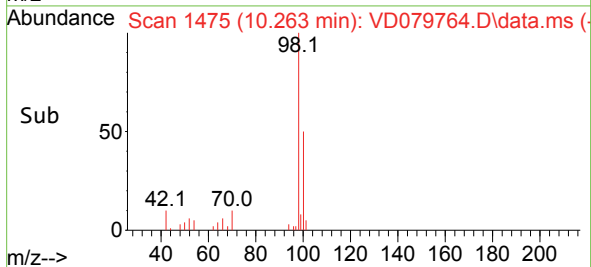
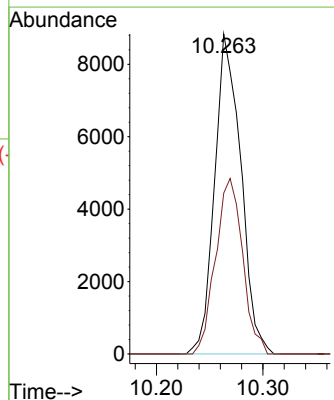
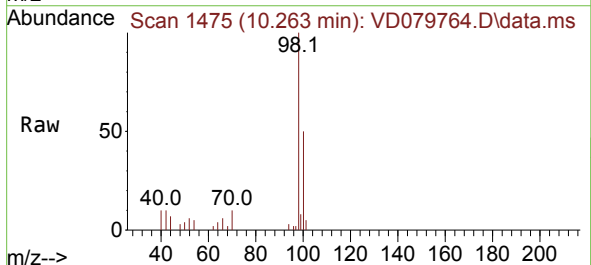


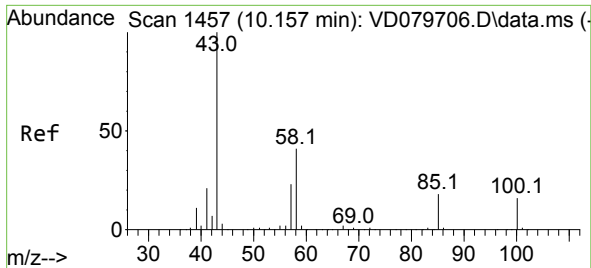
Tgt Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
69 0.0 96.7 145.1#
39 0.0 43.8 65.6#



#50
Toluene-d8
Concen: 45.472 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Tgt Ion: 98 Resp: 15082
Ion Ratio Lower Upper
98 100
100 56.7 51.6 77.4

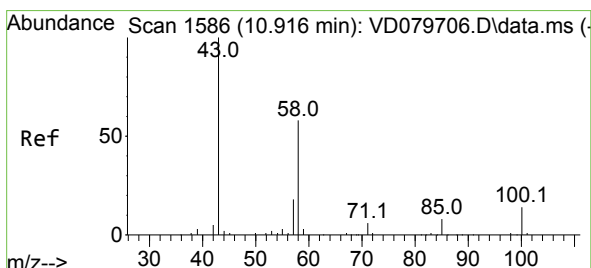
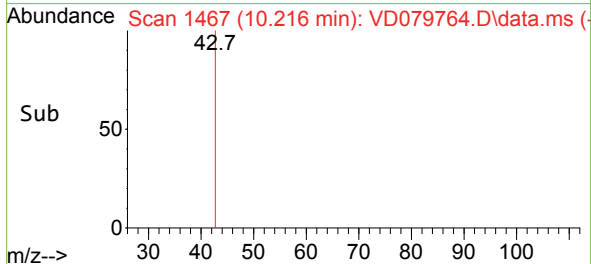
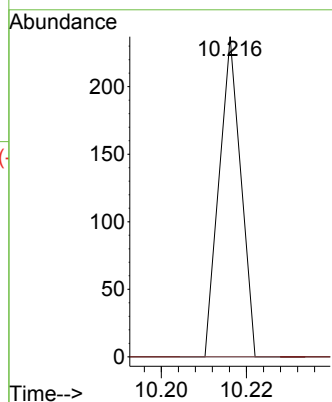
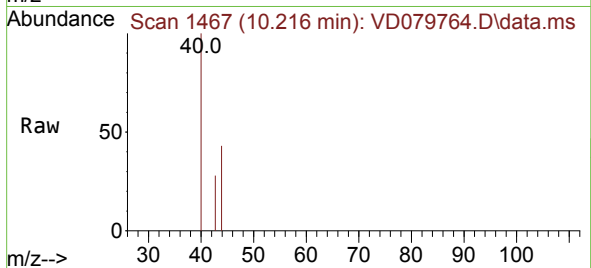




#51
4-Methyl-2-Pentanone
Concen: 1.702 ug/l
RT: 10.216 min Scan# 1457
Delta R.T. 0.059 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

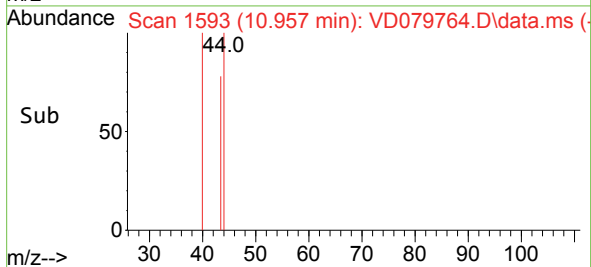
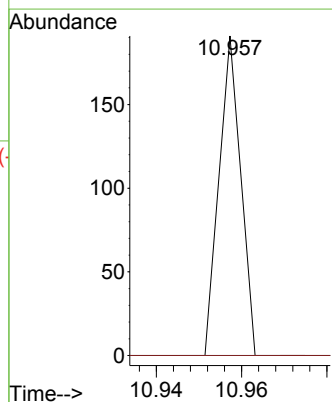
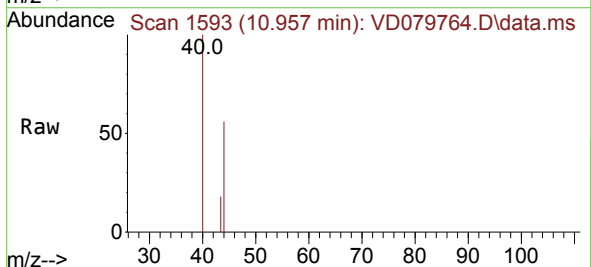
Instrument :
MSVOA_D
ClientSampleId :

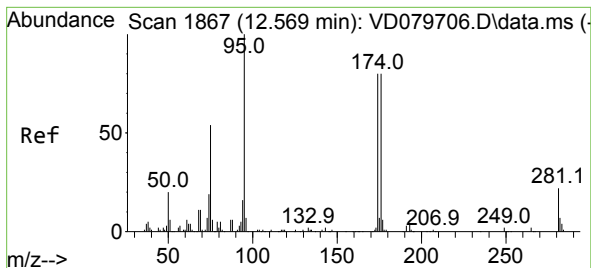
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#



#59
2-Hexanone
Concen: 21.847 ug/l
RT: 10.957 min Scan# 1593
Delta R.T. 0.041 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

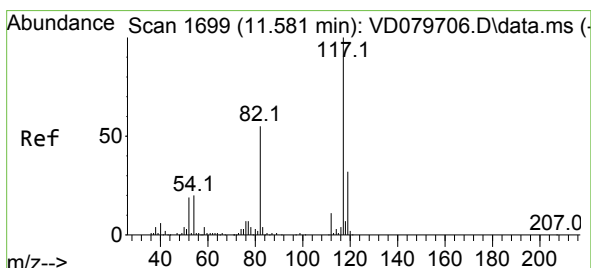
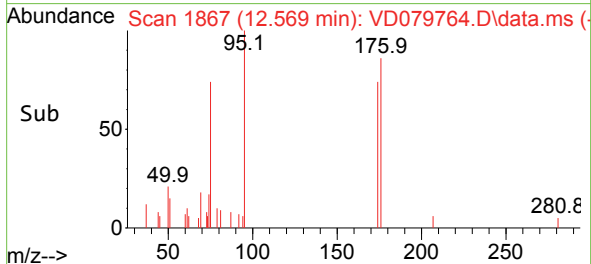
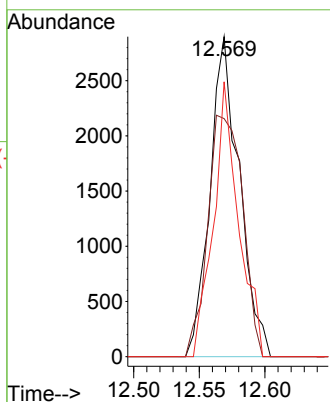
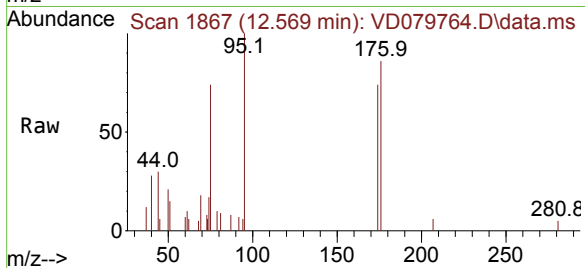




#62
4-Bromofluorobenzene
Concen: 48.542 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

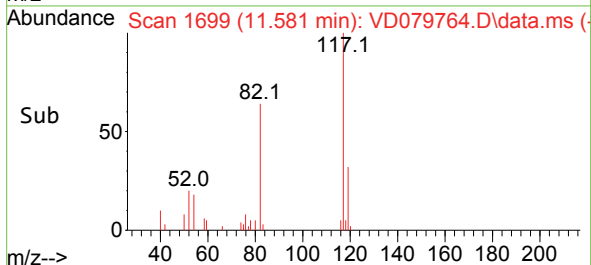
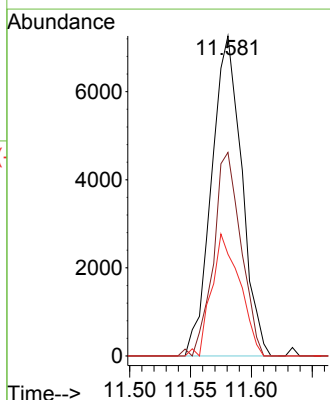
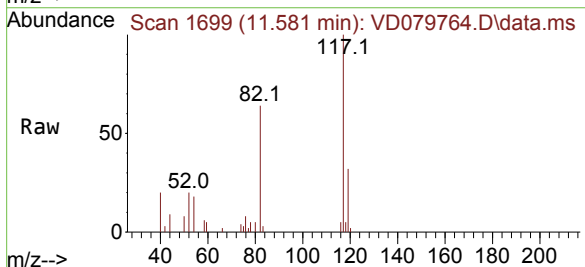
Instrument :
MSVOA_D
ClientSampleId :

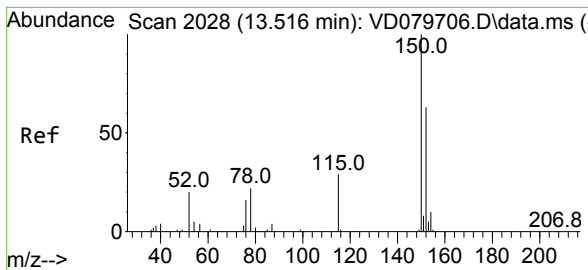
Tgt Ion:	95	Resp:	4505
Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	195.4
176	73.4	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

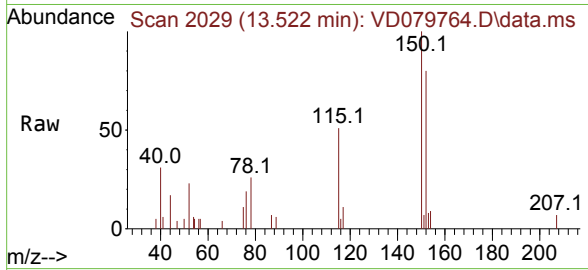
Tgt Ion:	117	Resp:	12541
Ion	Ratio	Lower	Upper
117	100		
82	63.6	39.8	59.6#
119	31.8	25.7	38.5



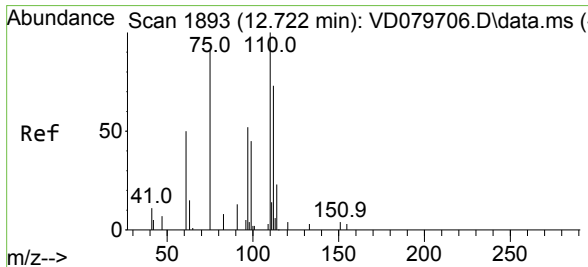
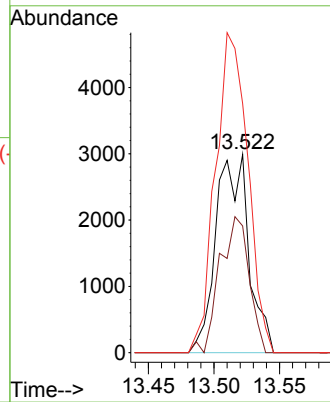
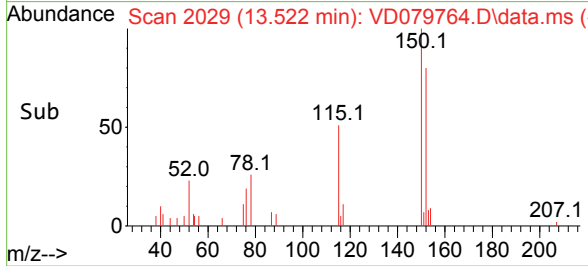


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD079764.D
 Acq: 30 Aug 2024 19:30

Instrument :
 MSVOA_D
 ClientSampleId :

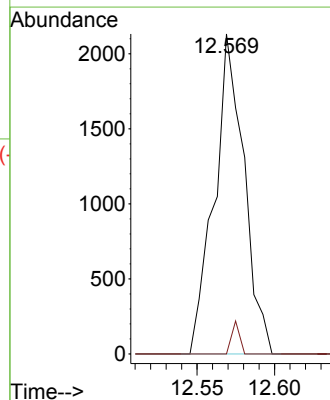
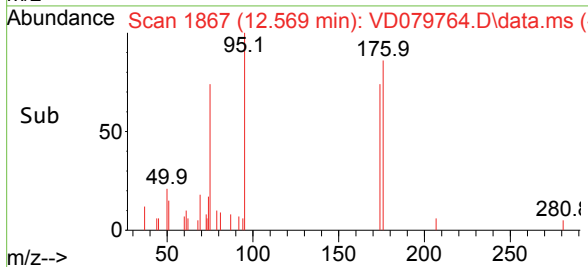
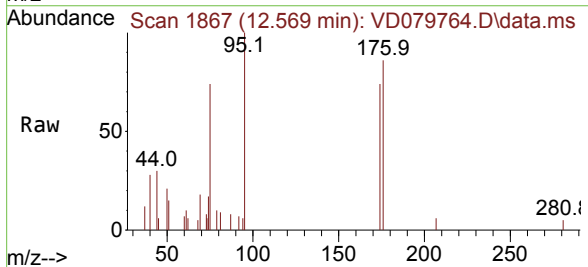


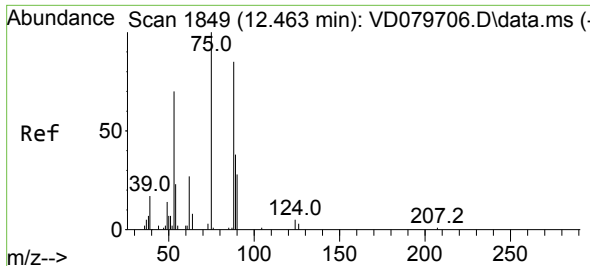
Tgt Ion:152 Resp: 5179
 Ion Ratio Lower Upper
 152 100
 115 61.4 26.5 79.5
 150 159.6 0.0 341.6



#76
 1,2,3-Trichloropropane
 Concen: 64.159 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD079764.D
 Acq: 30 Aug 2024 19:30

Tgt Ion: 75 Resp: 2840
 Ion Ratio Lower Upper
 75 100
 77 2.7 0.0 0.0#

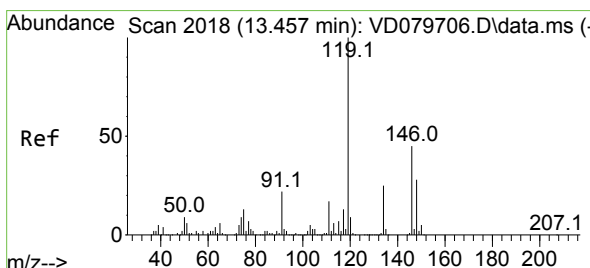
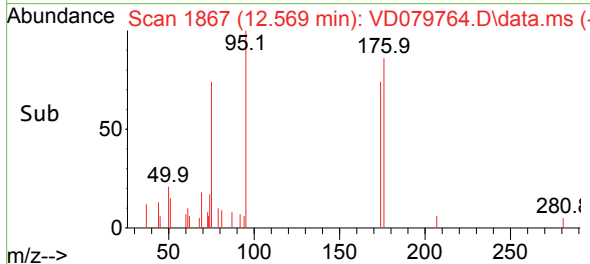
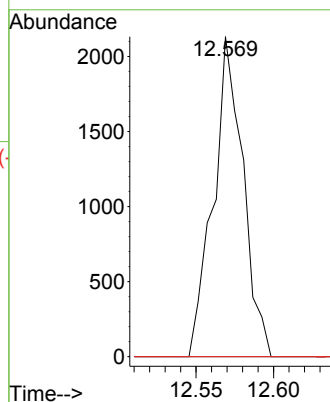
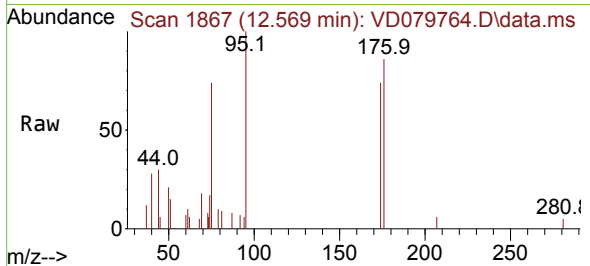




#81
trans-1,4-Dichloro-2-butene
Concen: 107.011 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

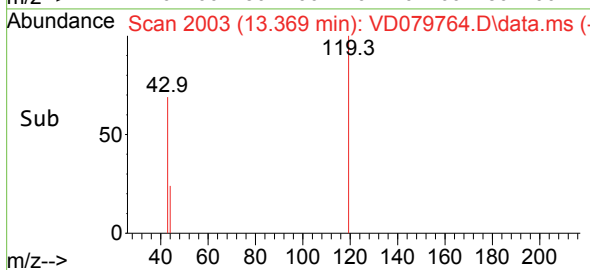
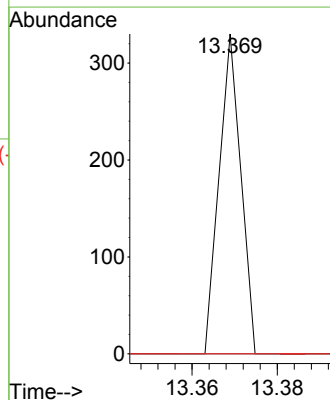
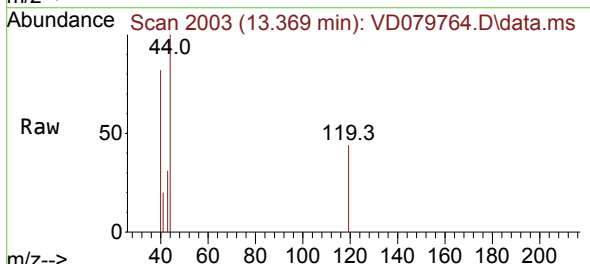
Instrument :
MSVOA_D
ClientSampleId :

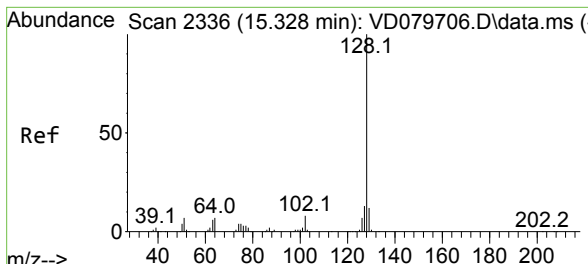
Tgt Ion: 75 Resp: 2840
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#



#86
p-Isopropyltoluene
Concen: 4.032 ug/l
RT: 13.369 min Scan# 2003
Delta R.T. -0.088 min
Lab File: VD079764.D
Acq: 30 Aug 2024 19:30

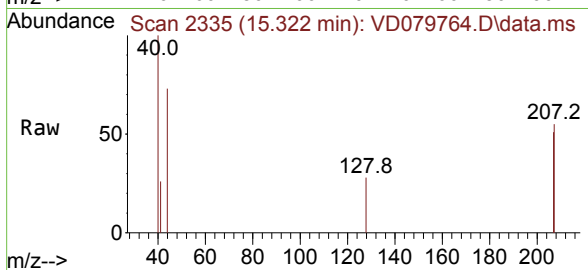
Tgt Ion: 119 Resp: 116
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#





#95
 Naphthalene
 Concen: 1.220 ug/l
 RT: 15.322 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD079764.D
 Acq: 30 Aug 2024 19:30

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	205
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.5	12.7#

