

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075073.D
 Acq On : 28 Dec 2022 18:38
 Operator : KP/SY
 Sample : N6224-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-3-122822

Quant Time: Dec 29 03:53:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

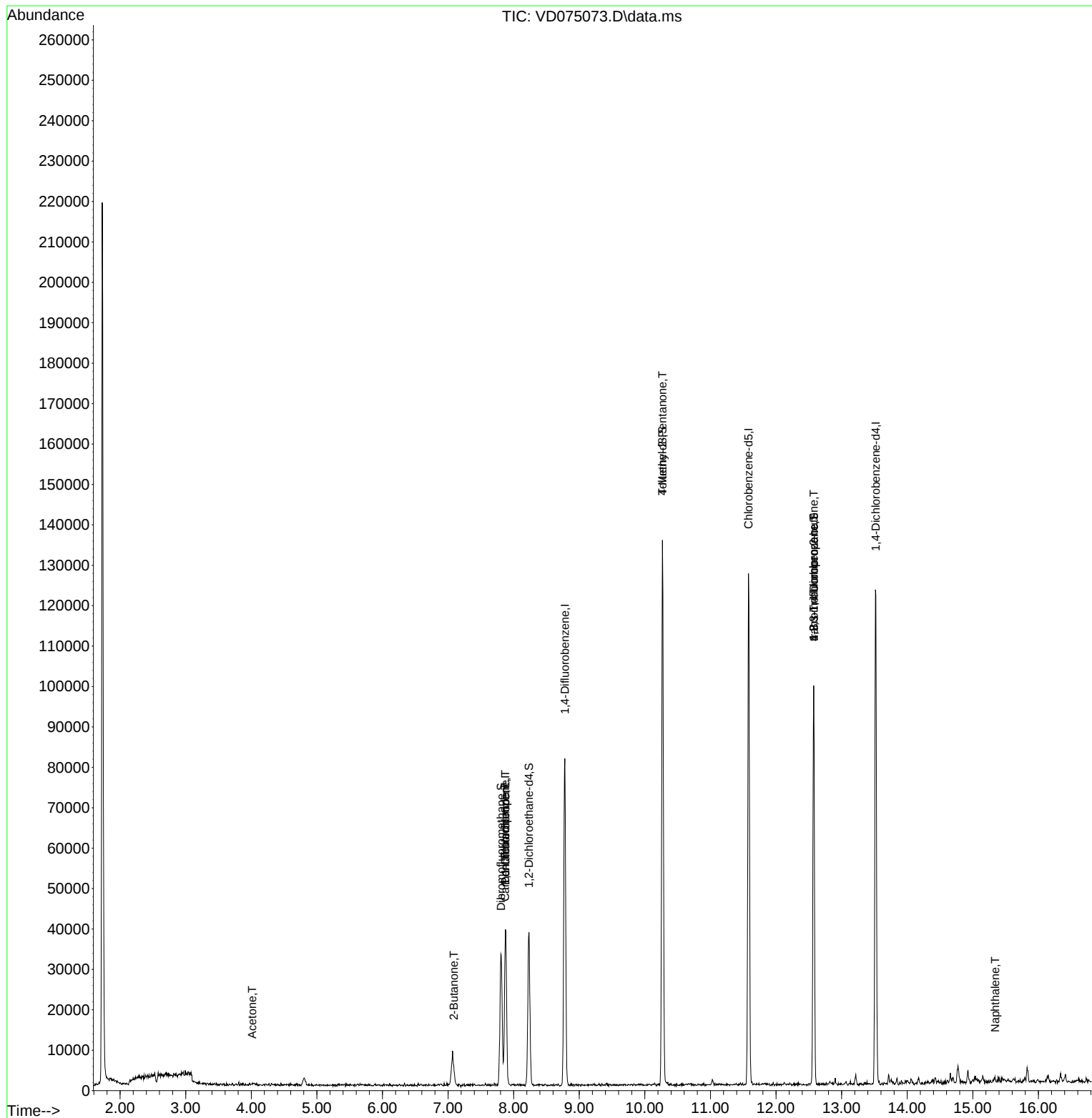
Internal Standards						
1) Pentafluorobenzene	7.875	168	29461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	73554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	73467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	33492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	29283	101.687	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 203.380%#	
35) Dibromofluoromethane	7.810	113	24711	57.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.180%	
50) Toluene-d8	10.269	98	93085	53.227	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.460%	
62) 4-Bromofluorobenzene	12.575	95	34150	60.277	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	310	Below Cal	#	72
5) Bromomethane	2.693	94	398	Below Cal		91
16) Acetone	4.016	43	417	5.575	ug/l #	39
18) Methyl Acetate	4.493	43	65	Below Cal	#	44
20) Methylene Chloride	4.816	84	1324	Below Cal	#	76
25) 2-Butanone	7.087	43	214	2.144	ug/l #	39
31) Cyclohexane	7.869	56	661	Below Cal	#	2
36) 1,1-Dichloropropene	7.875	75	2493	4.459	ug/l #	40
38) Carbon Tetrachloride	7.869	117	3025	6.258	ug/l #	13
51) 4-Methyl-2-Pentanone	10.269	43	433	1.543	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	17401	50.671	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	17401	117.438	ug/l #	19
95) Naphthalene	15.339	128	1492	1.150	ug/l #	77

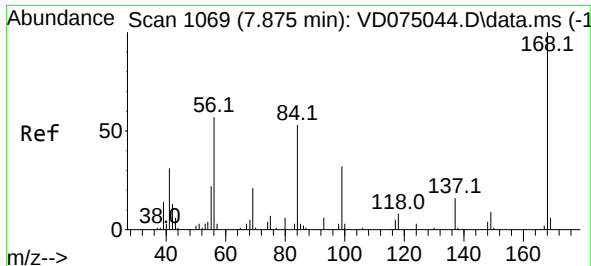
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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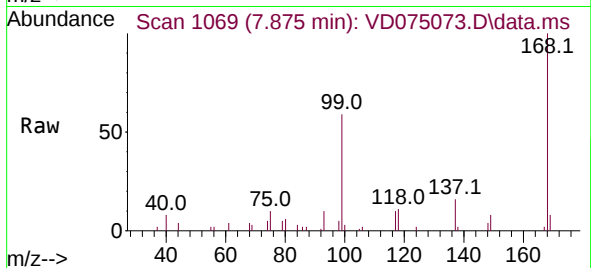
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
Response via : Initial Calibration



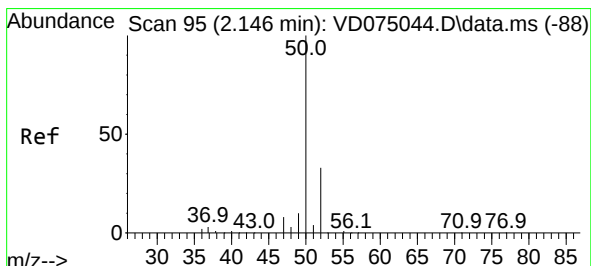
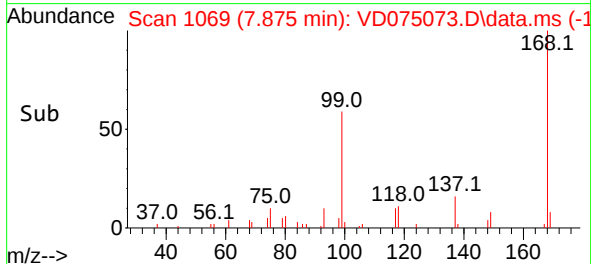
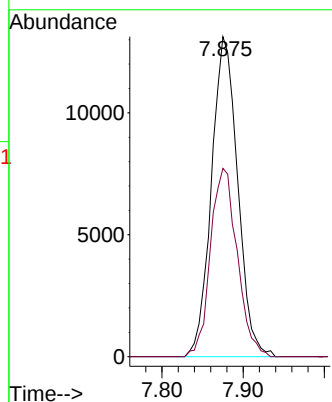


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

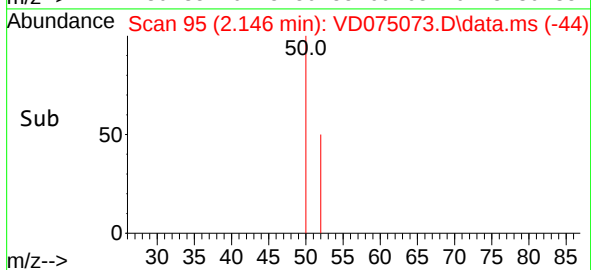
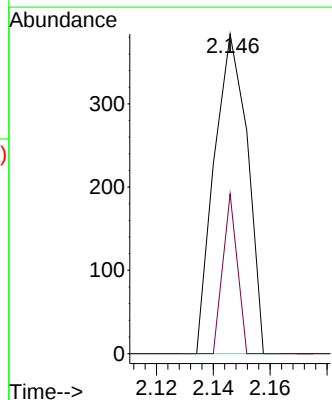
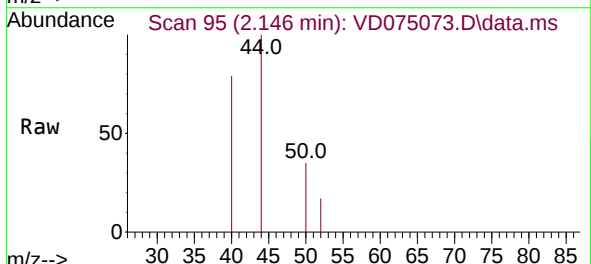


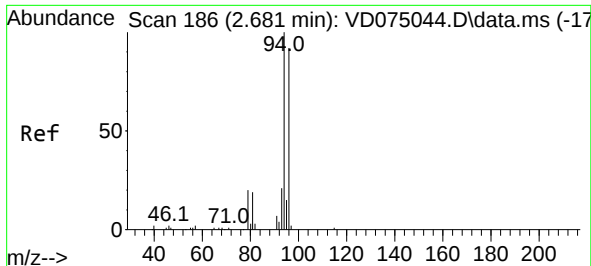
Tgt Ion:168 Resp: 29461
Ion Ratio Lower Upper
168 100
99 58.9 40.3 60.5



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 50.0 27.2 40.8#

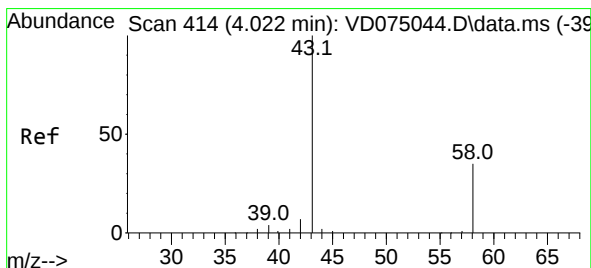
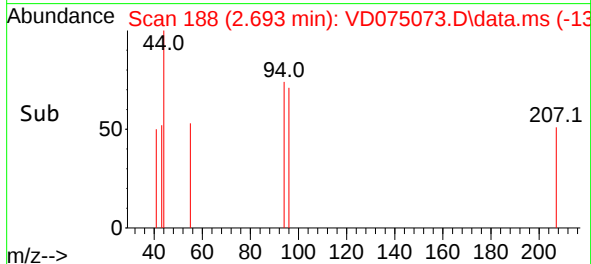
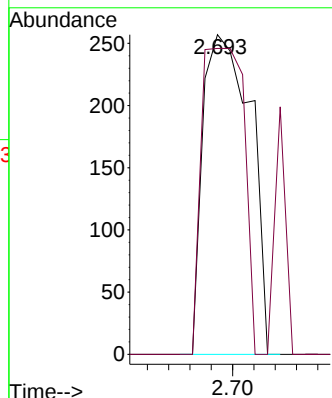
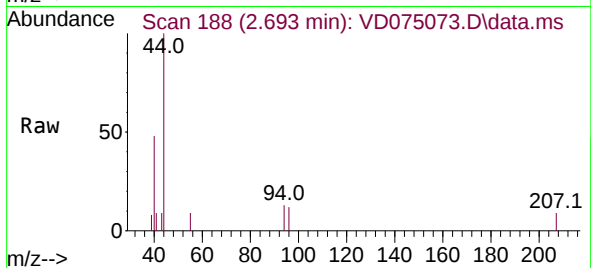




#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

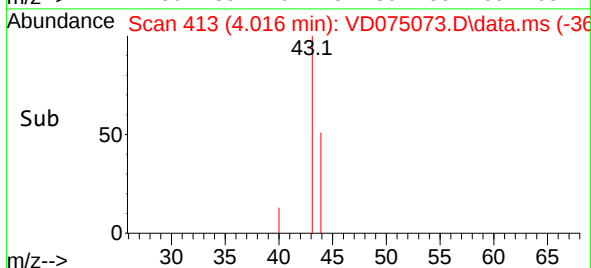
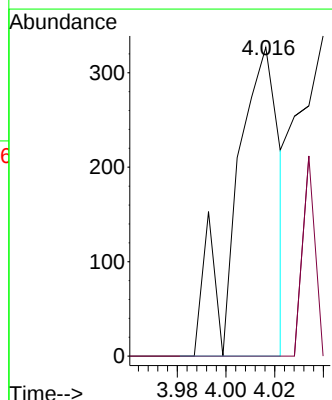
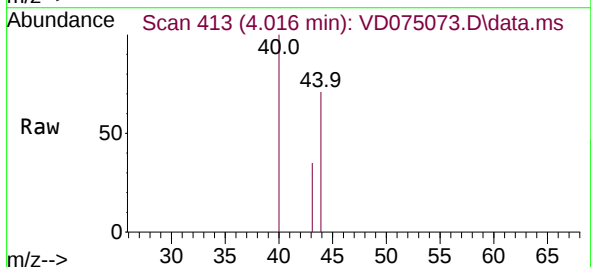
Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

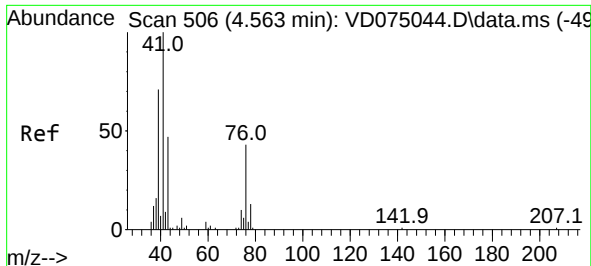
Tgt Ion: 94 Resp: 398
Ion Ratio Lower Upper
94 100
96 85.2 75.2 112.8



#16
Acetone
Concen: 5.575 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

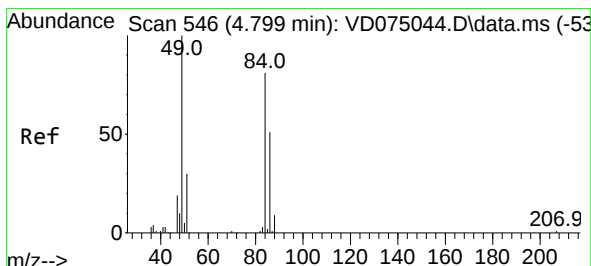
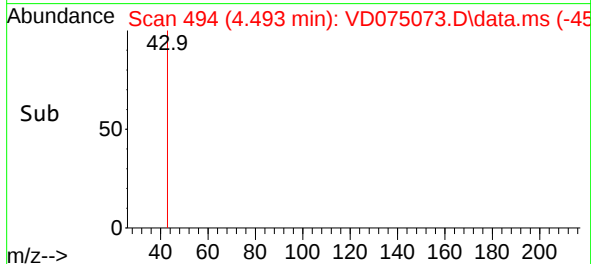
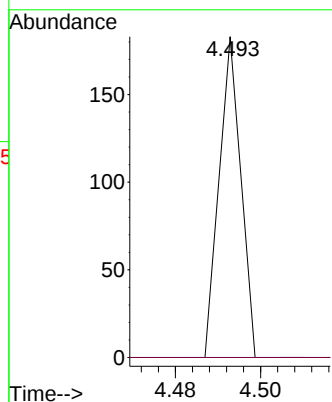
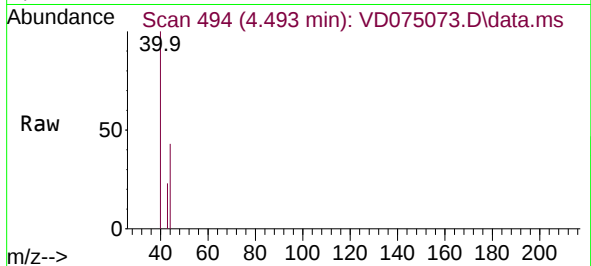




#18
Methyl Acetate
Concen: Below Cal
RT: 4.493 min Scan# 494
Delta R.T. -0.071 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

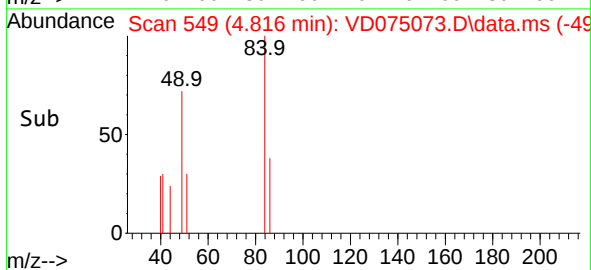
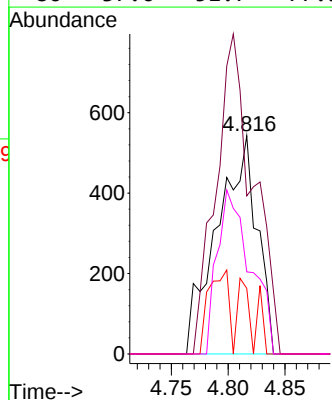
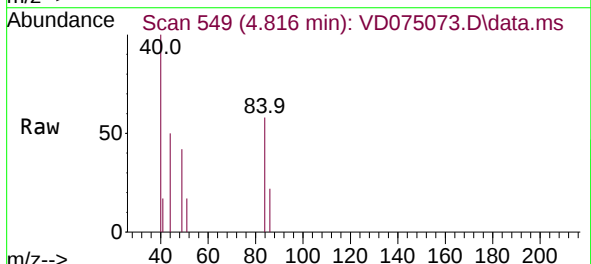
Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

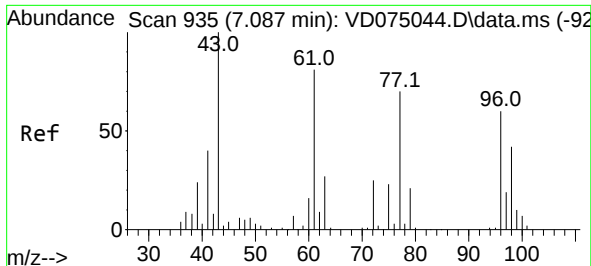
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.816 min Scan# 549
Delta R.T. 0.023 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion: 84 Resp: 1324
Ion Ratio Lower Upper
84 100
49 72.4 77.2 115.8#
51 30.0 24.1 36.1
86 37.6 51.7 77.5#

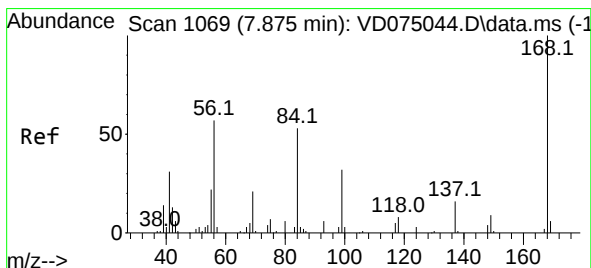
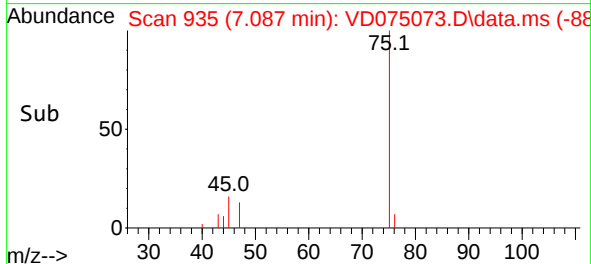
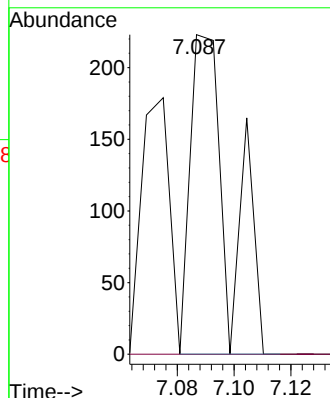
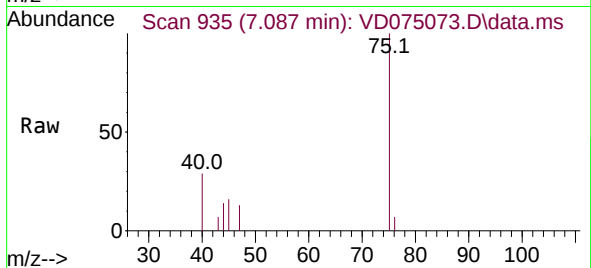




#25
2-Butanone
Concen: 2.144 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

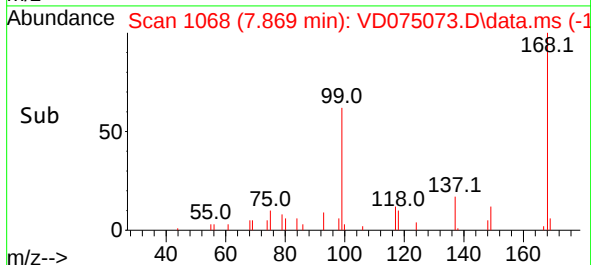
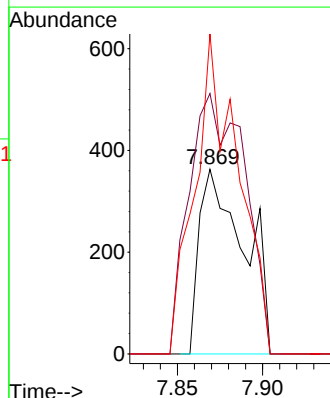
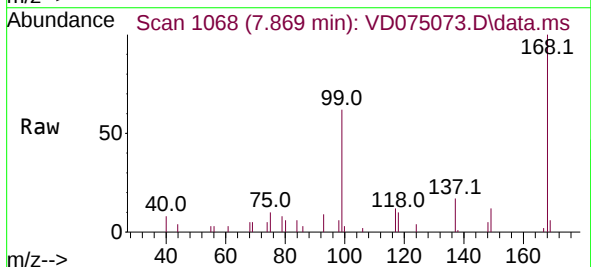
Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

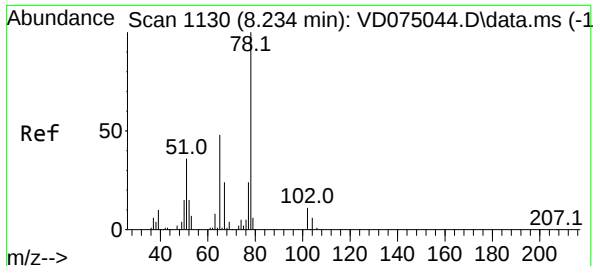
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
72 0.0 28.4 42.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion: 56 Resp: 661
Ion Ratio Lower Upper
56 100
69 141.0 29.4 44.2#
84 173.3 81.8 122.8#





#33

1,2-Dichloroethane-d4

Concen: 101.687 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

Instrument :

MSVOA_D

ClientSampleId :

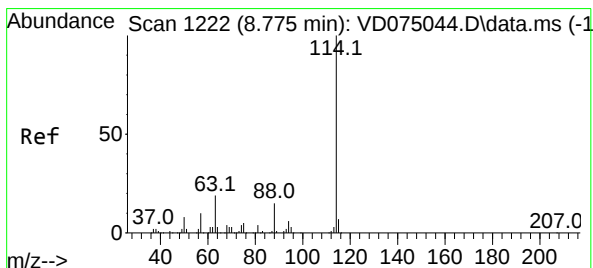
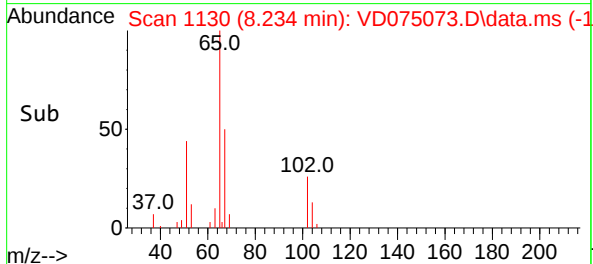
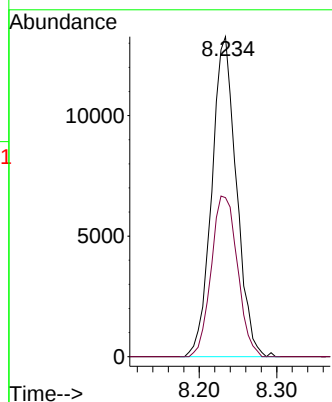
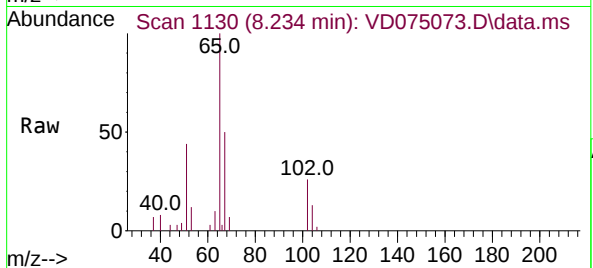
OK-3-122822

Tgt Ion: 65 Resp: 29283

Ion Ratio Lower Upper

65 100

67 53.5 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

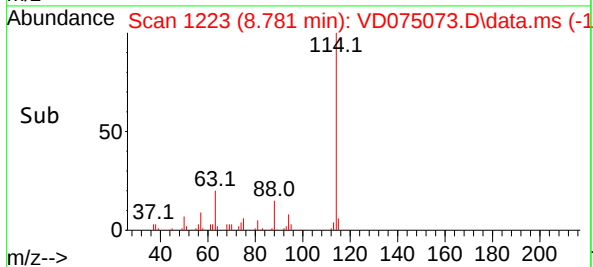
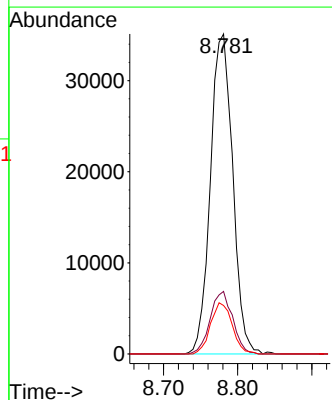
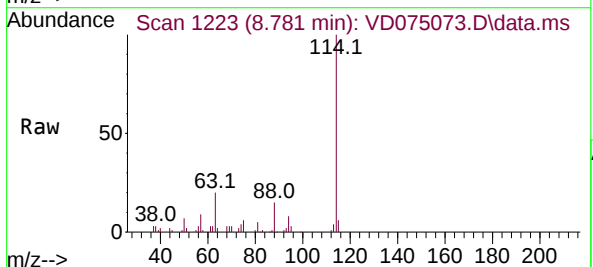
Tgt Ion: 114 Resp: 73554

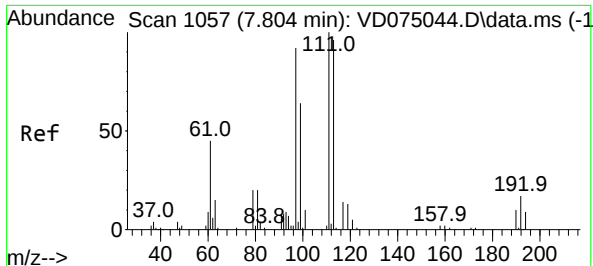
Ion Ratio Lower Upper

114 100

63 19.6 0.0 33.8

88 15.1 0.0 27.8





#35

Dibromofluoromethane

Concen: 57.093 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

Instrument :

MSVOA_D

ClientSampleId :

OK-3-122822

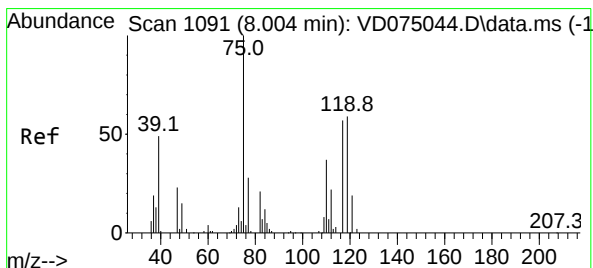
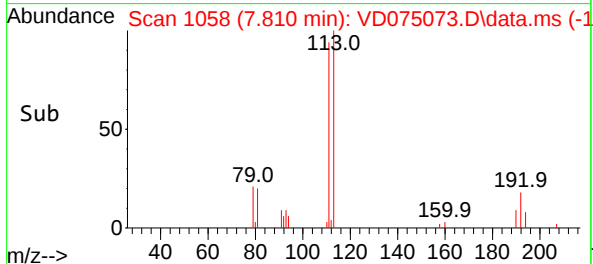
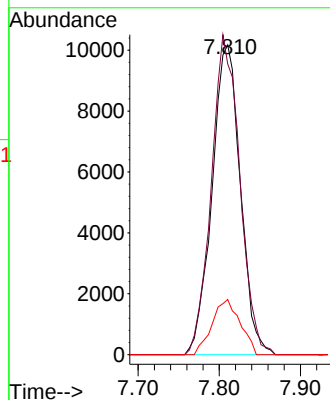
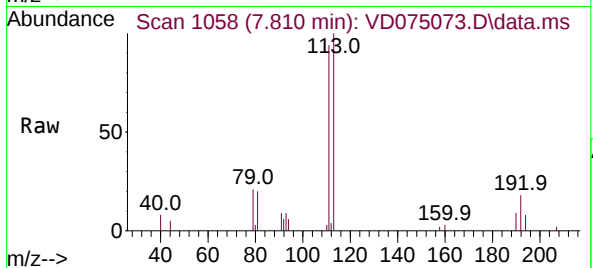
Tgt Ion:113 Resp: 24711

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

192 17.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

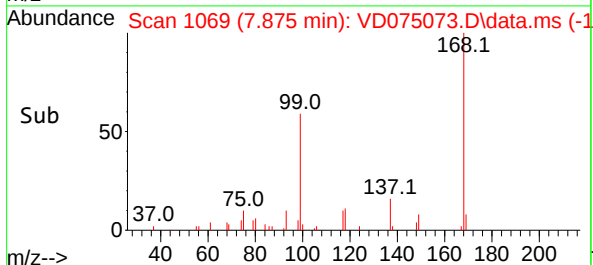
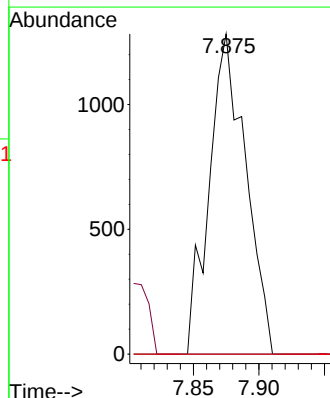
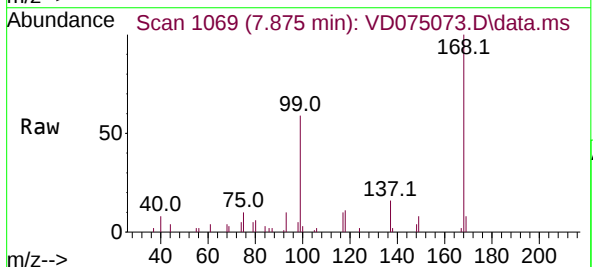
Tgt Ion: 75 Resp: 2493

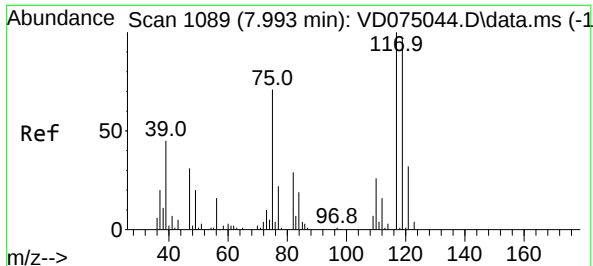
Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

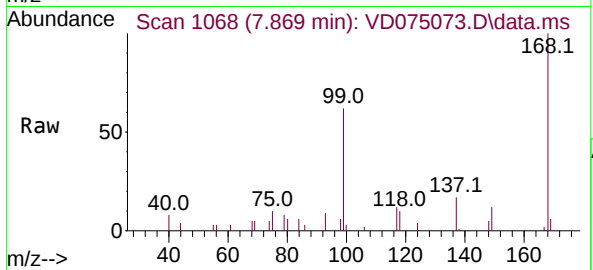
77 0.0 25.2 37.8#



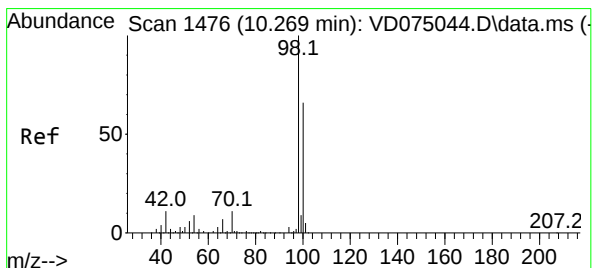
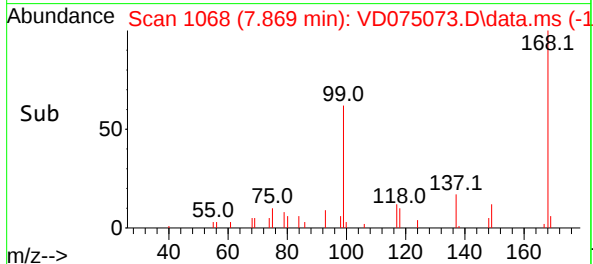
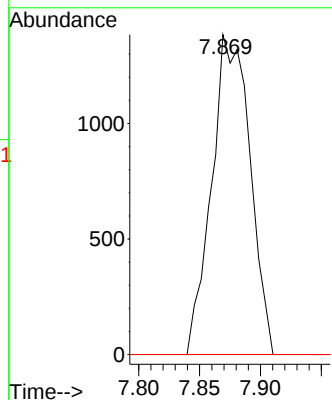


#38
Carbon Tetrachloride
Concen: 6.258 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

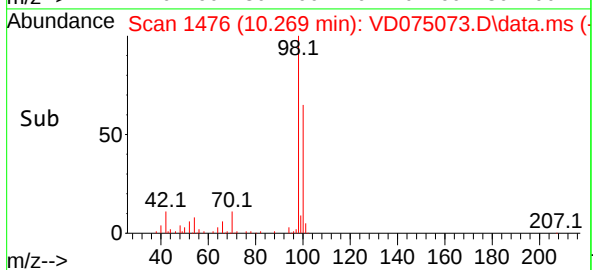
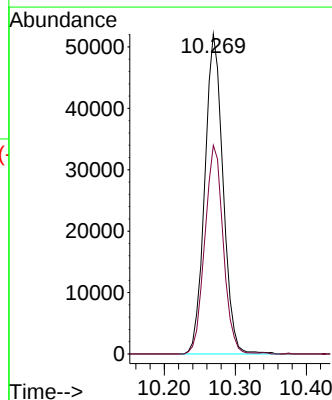
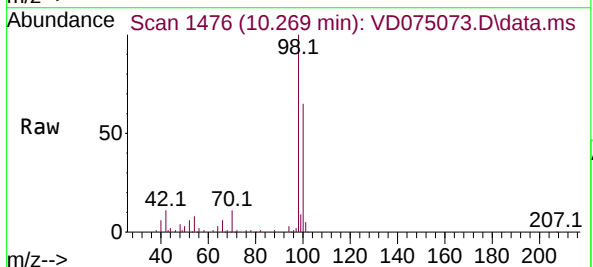


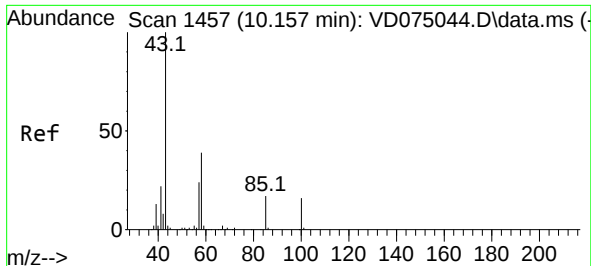
Tgt Ion:117 Resp: 3025
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 53.227 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion: 98 Resp: 93085
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.543 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

Instrument :

MSVOA_D

ClientSampleId :

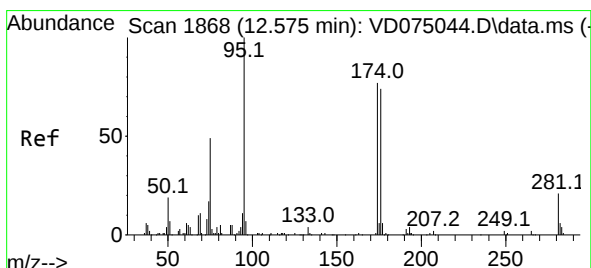
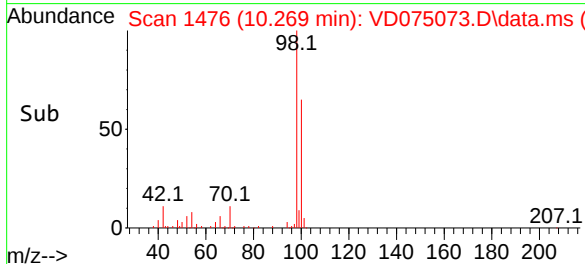
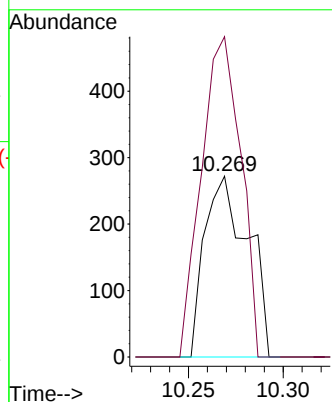
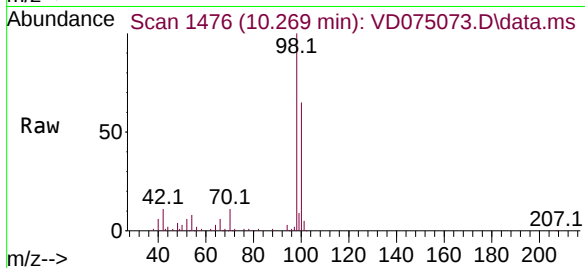
OK-3-122822

Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

43 100

58 161.2 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 60.277 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075073.D

Acq: 28 Dec 2022 18:38

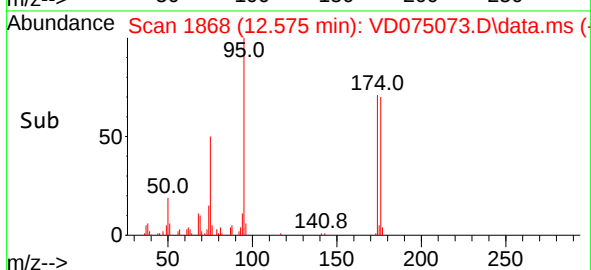
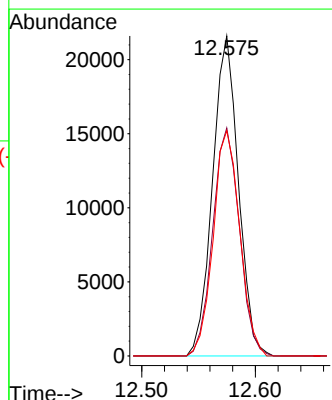
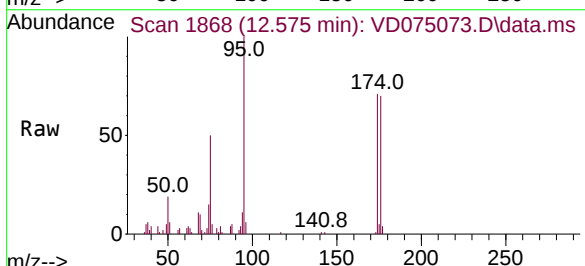
Tgt Ion: 95 Resp: 34150

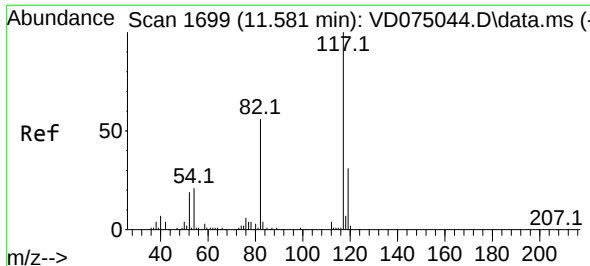
Ion Ratio Lower Upper

95 100

174 73.4 0.0 171.2

176 72.3 0.0 165.0

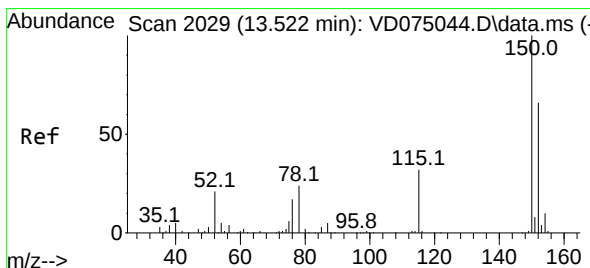
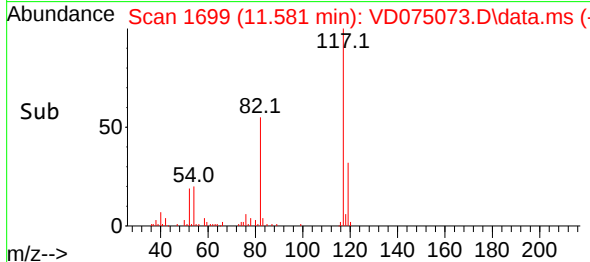
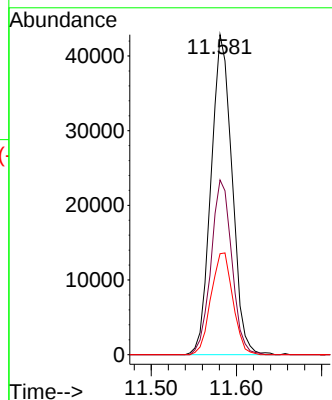
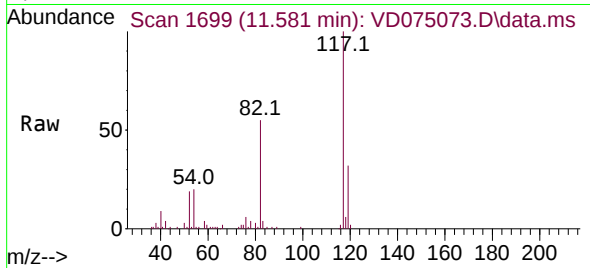




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

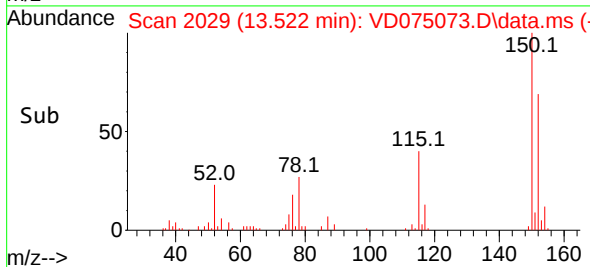
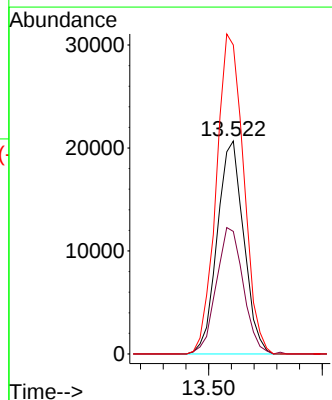
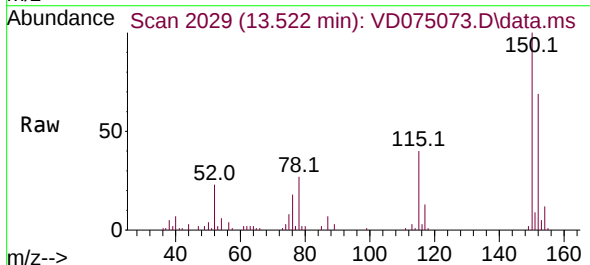
Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

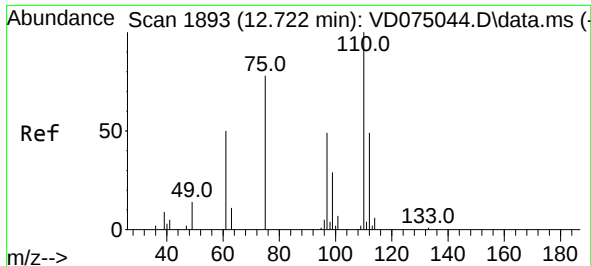
Tgt Ion:117 Resp: 73467
Ion Ratio Lower Upper
117 100
82 54.6 40.9 61.3
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Tgt Ion:152 Resp: 33492
Ion Ratio Lower Upper
152 100
115 60.7 28.8 86.5
150 155.3 0.0 354.2

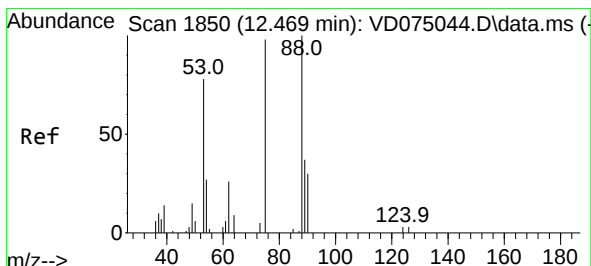
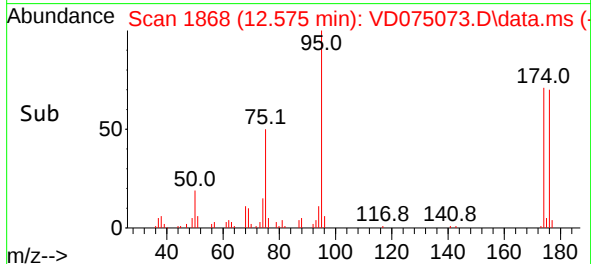
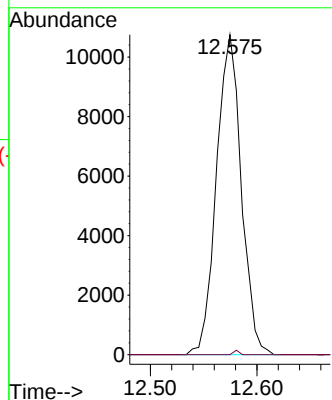
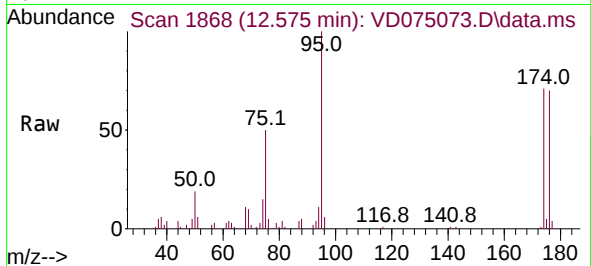




#76
1,2,3-Trichloropropane
Concen: 50.671 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

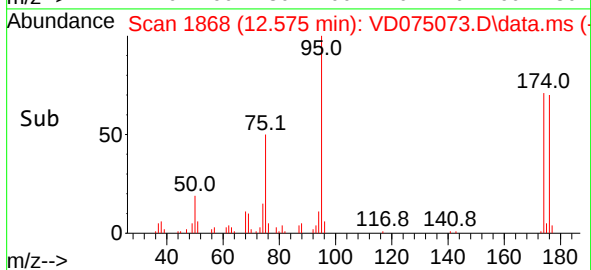
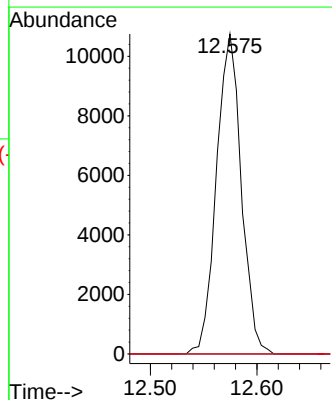
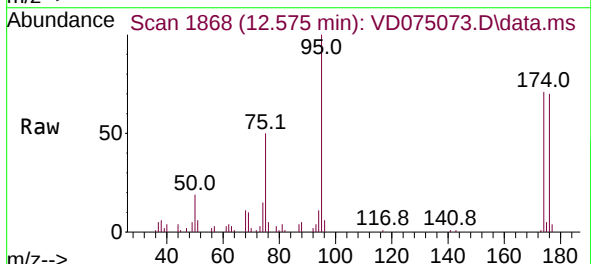
Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822

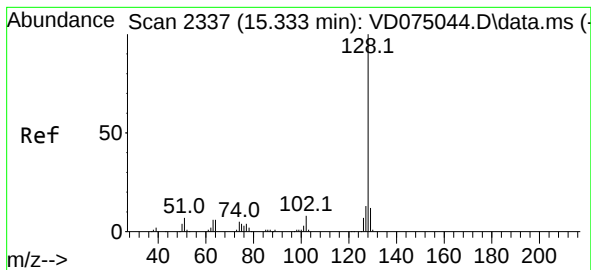
Tgt Ion: 75 Resp: 17401
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.438 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

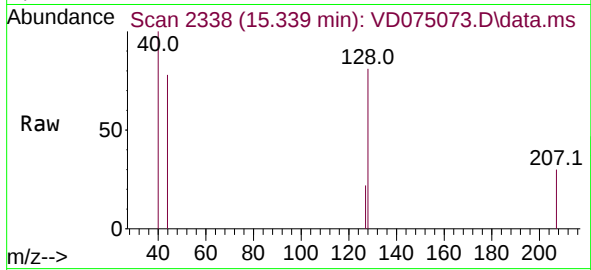
Tgt Ion: 75 Resp: 17401
Ion Ratio Lower Upper
75 100
53 0.0 60.0 90.0#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.150 ug/l
RT: 15.339 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD075073.D
Acq: 28 Dec 2022 18:38

Instrument :
MSVOA_D
ClientSampleId :
OK-3-122822



Tgt Ion:128 Resp: 1492
Ion Ratio Lower Upper
128 100
127 5.8 10.6 16.0#
129 0.0 8.7 13.1#

