

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092421\
 Data File : VN068648.D
 Acq On : 24 Sep 2021 19:08
 Operator : JC/MD
 Sample : M3823-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DKM-ENV-IC

Quant Time: Sep 25 01:52:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

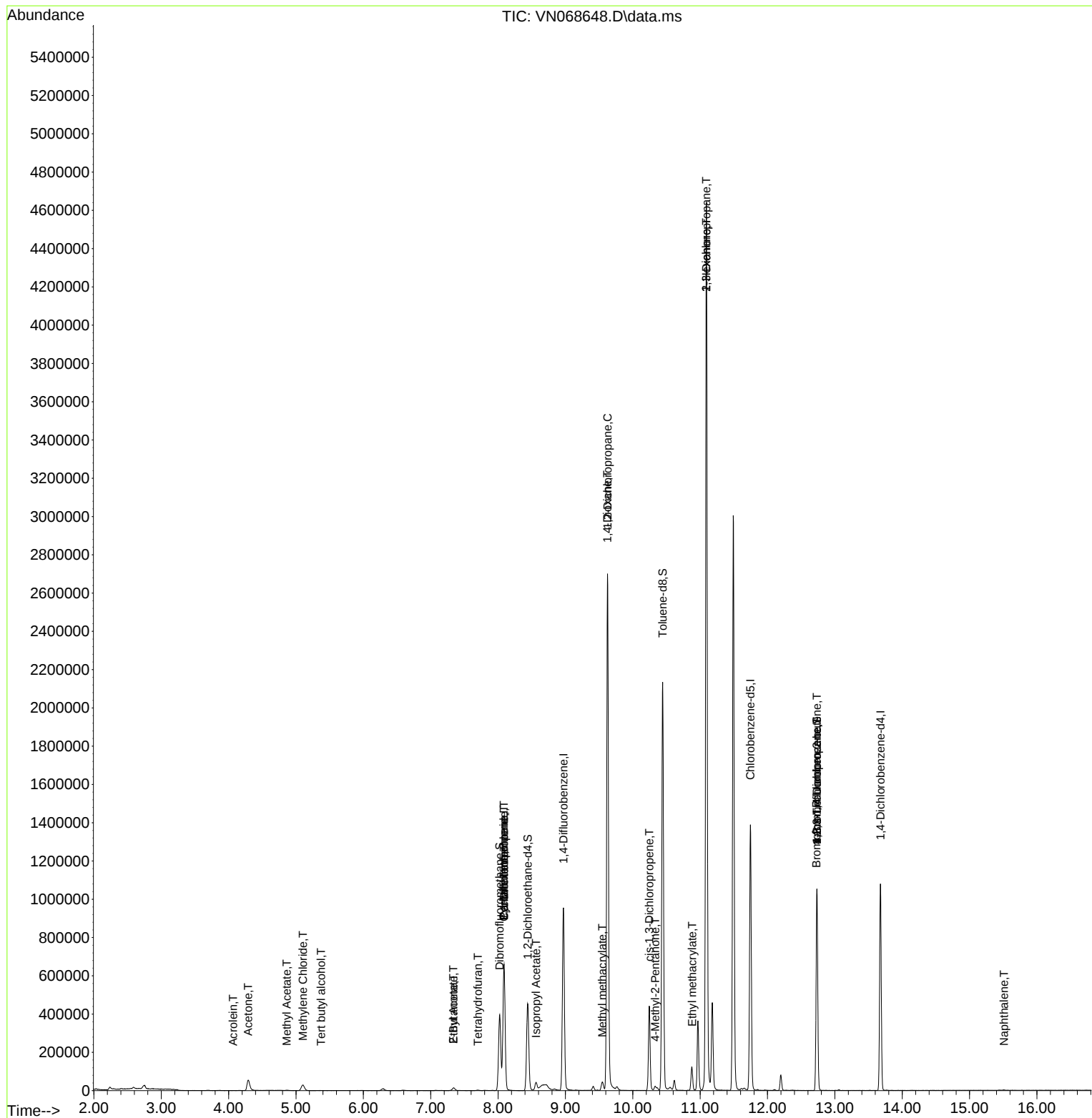
Internal Standards						
1) Pentafluorobenzene	8.088	168	502906	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	822296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	771256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	274501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	379506	48.319	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.640%		
35) Dibromofluoromethane	8.024	113	286485	52.080	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.160%		
50) Toluene-d8	10.443	98	1428005	61.233	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	122.460%		
62) 4-Bromofluorobenzene	12.733	95	342615	42.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.920%		
Target Compounds						
5) Bromomethane	2.866	94	557	Below Cal		89
6) Chloroethane	2.976	64	597	Below Cal	#	44
11) Tert butyl alcohol	5.371	59	285	0.236	ug/l #	71
13) Acrolein	4.068	56	52	6.958	ug/l #	1
16) Acetone	4.291	43	105050	26.642	ug/l	99
18) Methyl Acetate	4.865	43	4069	0.352	ug/l #	63
20) Methylene Chloride	5.103	84	23400	2.026	ug/l	91
25) 2-Butanone	7.337	43	25184	5.262	ug/l	95
29) Tetrahydrofuran	7.702	42	1317	0.433	ug/l #	69
31) Cyclohexane	8.086	56	11973	1.087	ug/l #	14
36) 1,1-Dichloropropene	8.088	75	41415	4.987	ug/l #	52
37) Ethyl Acetate	7.337	43	25184	2.671	ug/l #	70
38) Carbon Tetrachloride	8.088	117	50891	5.933	ug/l #	16
43) Isopropyl Acetate	8.563	43	51817	3.213	ug/l #	88
45) 1,2-Dichloropropane	9.625	63	3168	0.494	ug/l #	44
48) Methyl methacrylate	9.547	41	12177	1.653	ug/l #	12
49) 1,4-Dioxane	9.622	88	117	1.089	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	14630	1.500	ug/l	99
54) cis-1,3-Dichloropropene	10.245	75	72209	7.121	ug/l #	65
56) Ethyl methacrylate	10.883	69	713	0.771	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	45568	4.359	ug/l #	43
59) 2-Hexanone	11.092	43	754585	107.577	ug/l #	53
71) Bromoform	12.728	173	1781	0.397	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	188973	27.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	188973	78.648	ug/l #	6
95) Naphthalene	15.512	128	2172	1.756	ug/l #	77

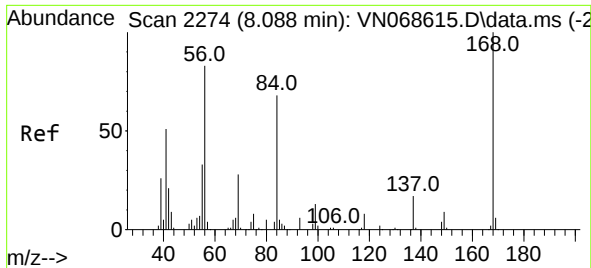
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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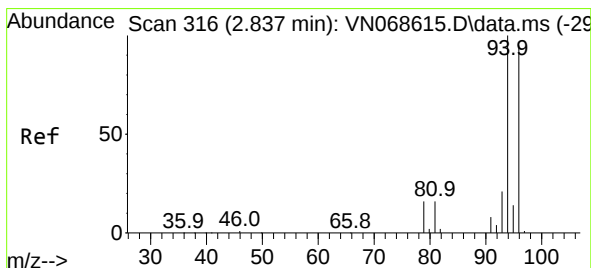
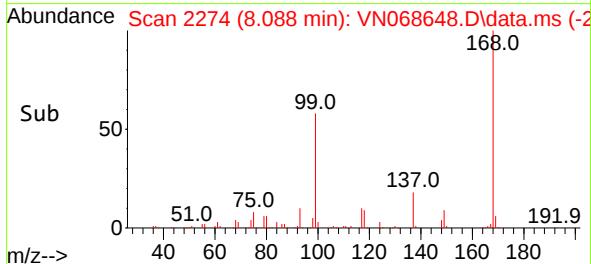
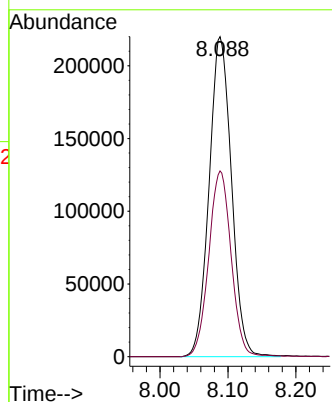
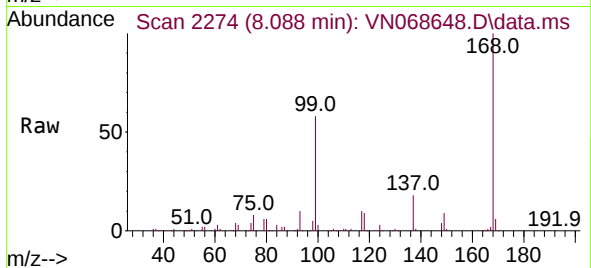




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

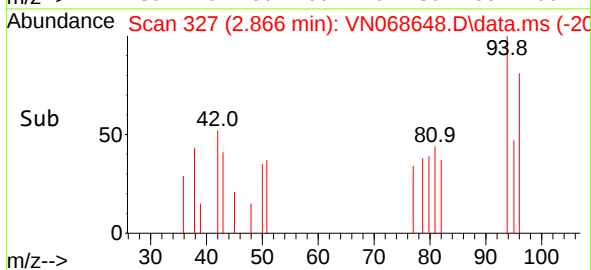
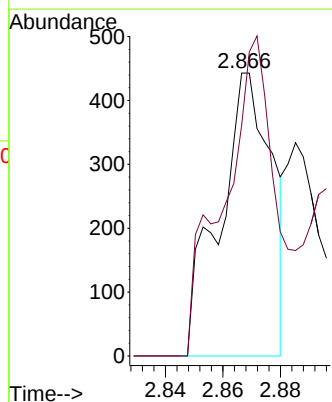
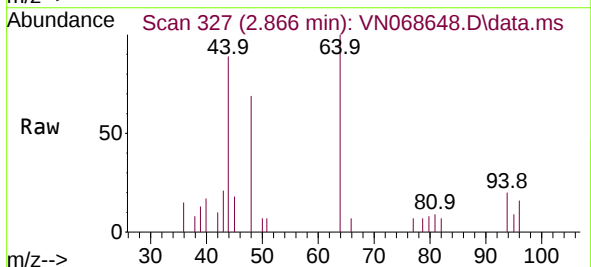
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

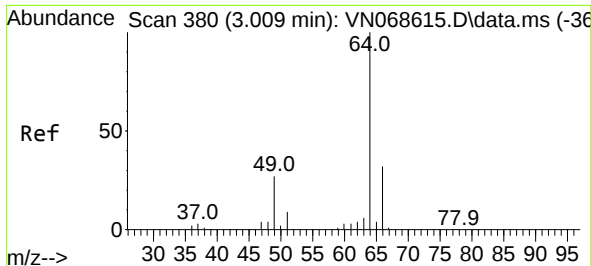
Tgt Ion:168 Resp: 502906
Ion Ratio Lower Upper
168 100
99 58.1 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.029 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 94 Resp: 557
Ion Ratio Lower Upper
94 100
96 81.5 73.7 110.5

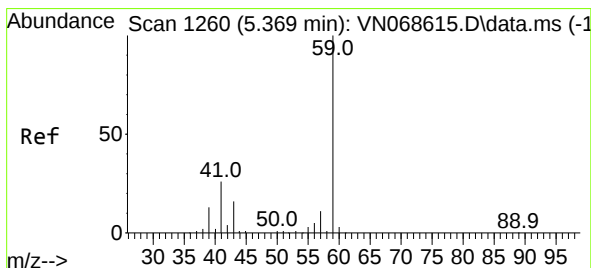
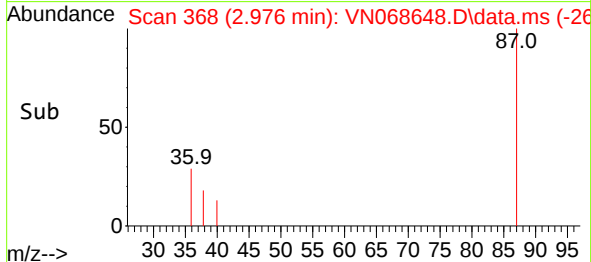
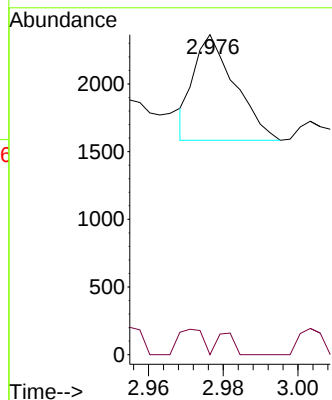
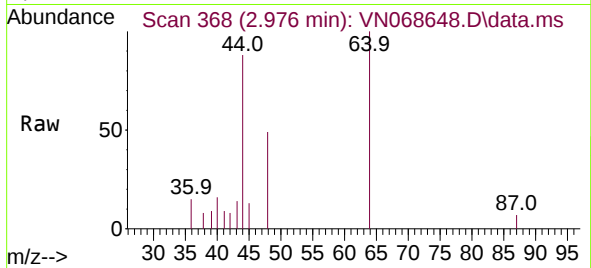




#6
Chloroethane
Concen: Below Cal
RT: 2.976 min Scan# 368
Delta R.T. -0.033 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

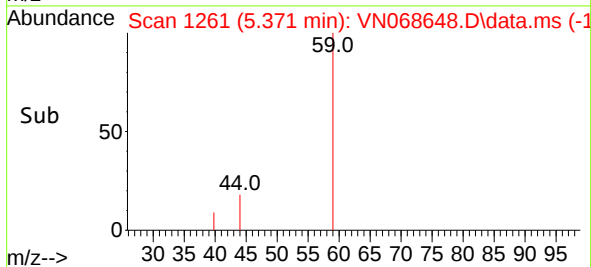
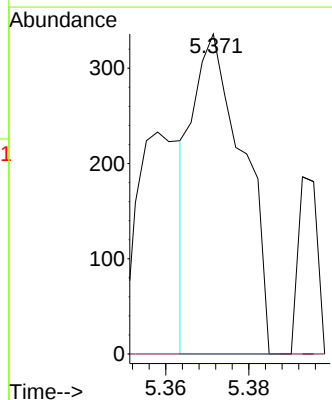
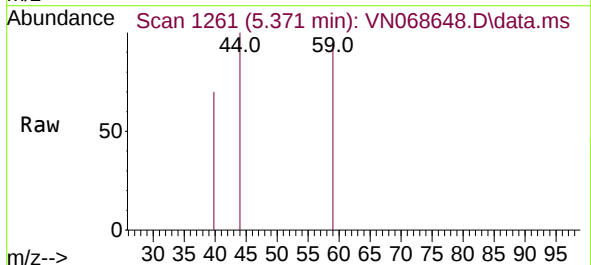
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

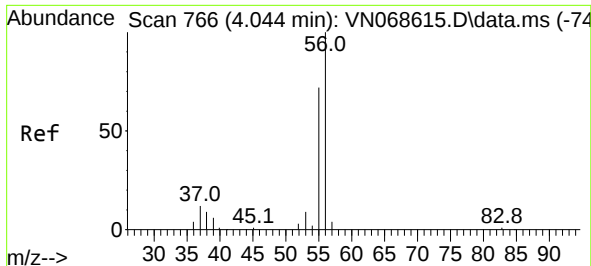
Tgt Ion: 64 Resp: 597
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.236 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.002 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

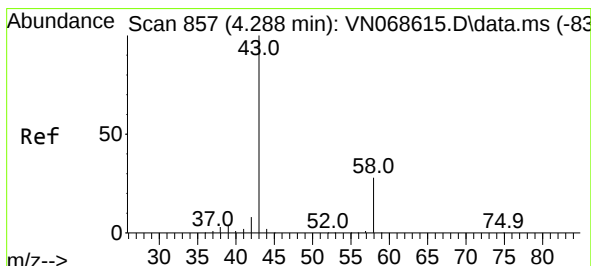
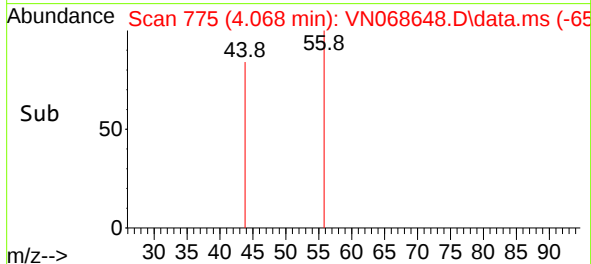
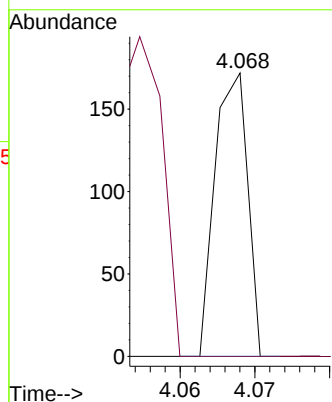
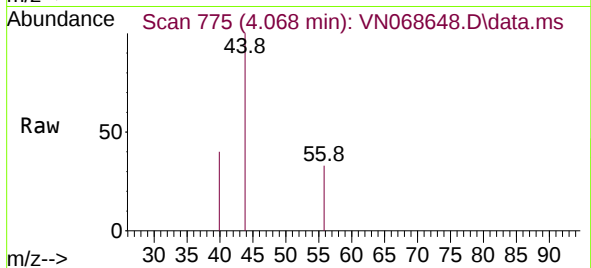




#13
Acrolein
Concen: 6.958 ug/l
RT: 4.068 min Scan# 775
Delta R.T. 0.024 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

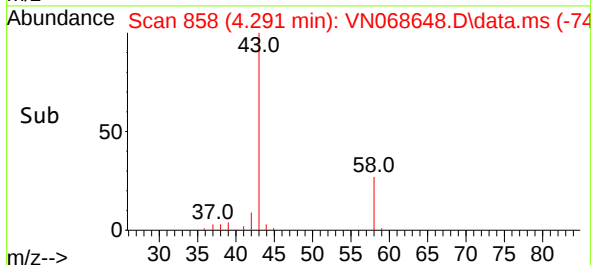
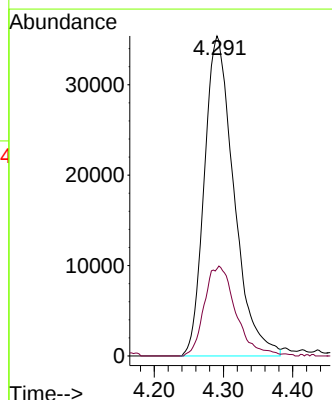
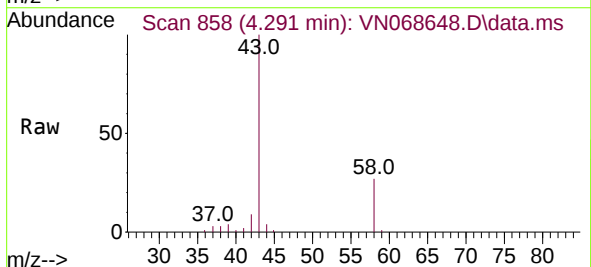
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

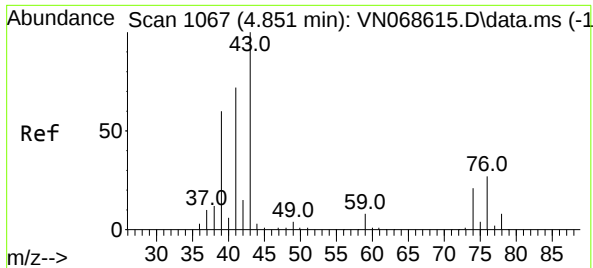
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 157.7 57.4 86.0#



#16
Acetone
Concen: 26.642 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 43 Resp: 105050
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8

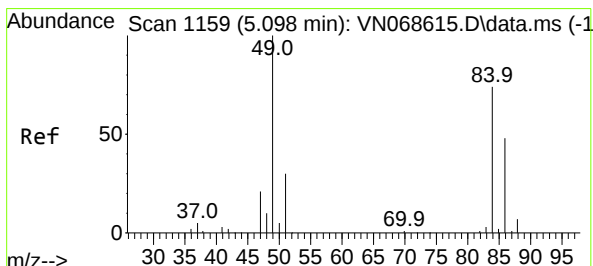
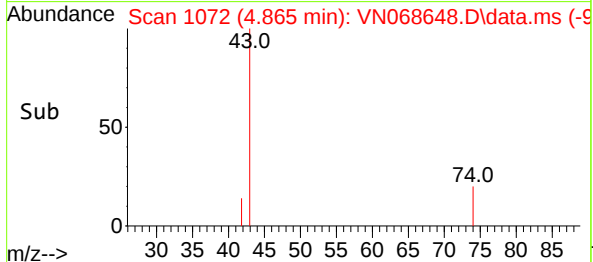
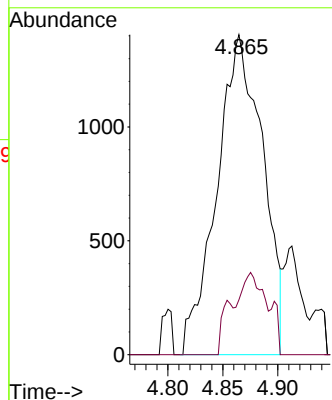
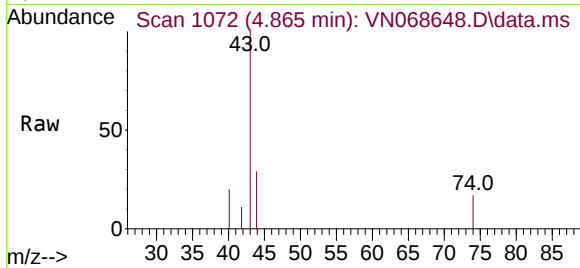




#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.014 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

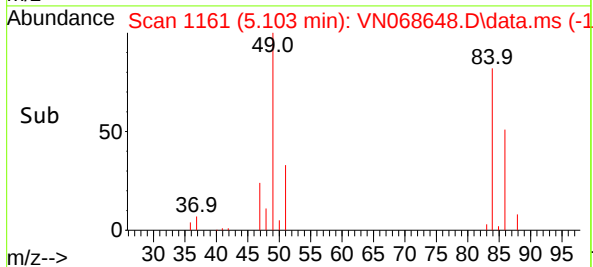
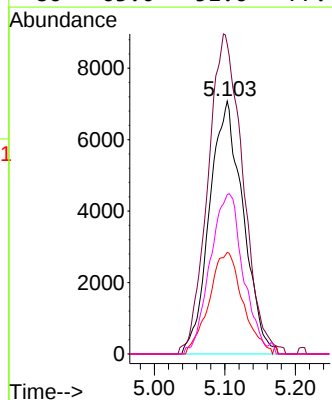
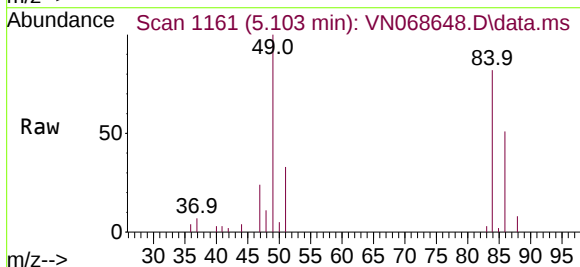
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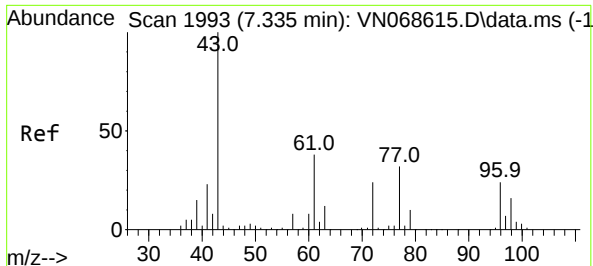
Tgt Ion: 43 Resp: 4069
Ion Ratio Lower Upper
43 100
74 4.1 17.4 26.0#



#20
Methylene Chloride
Concen: 2.026 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.005 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 84 Resp: 23400
Ion Ratio Lower Upper
84 100
49 120.0 110.9 166.3
51 40.2 32.6 49.0
86 63.0 51.6 77.4

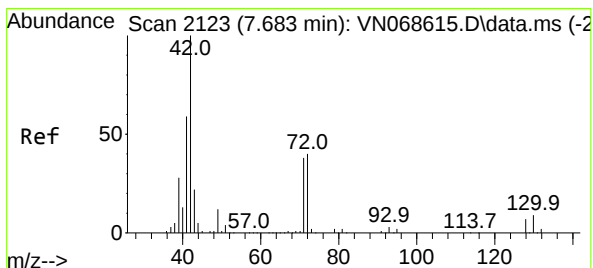
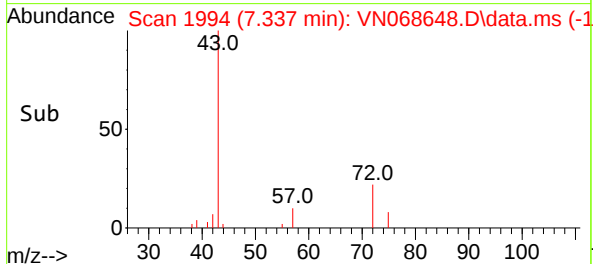
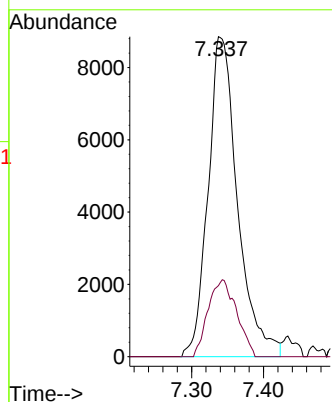
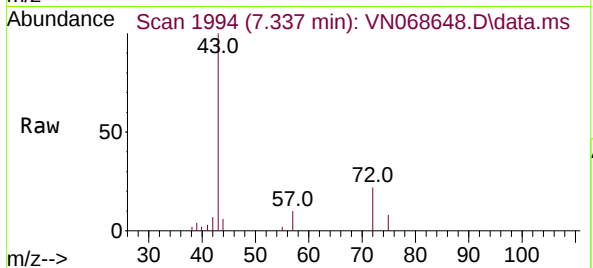




#25
2-Butanone
Concen: 5.262 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

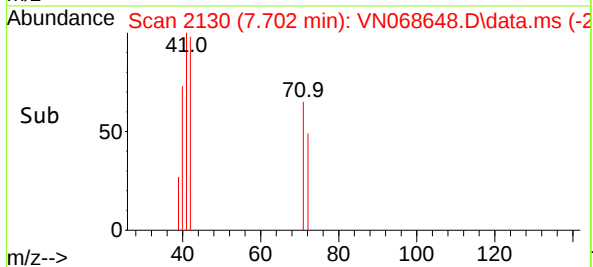
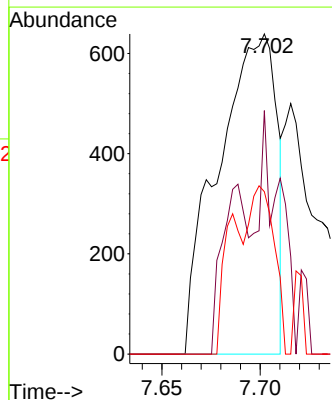
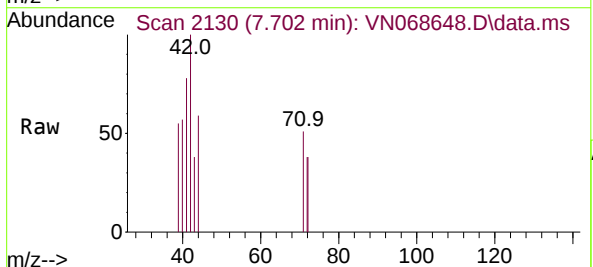
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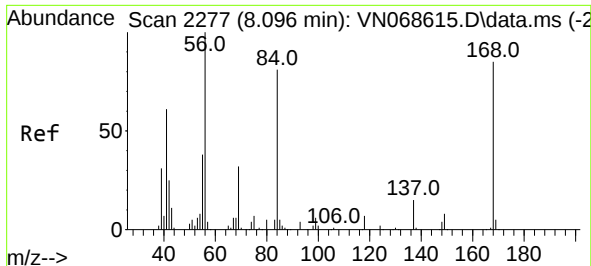
Tgt Ion: 43 Resp: 25184
Ion Ratio Lower Upper
43 100
72 22.2 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.433 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 42 Resp: 1317
Ion Ratio Lower Upper
42 100
72 18.8 32.8 49.2#
71 23.0 31.2 46.8#

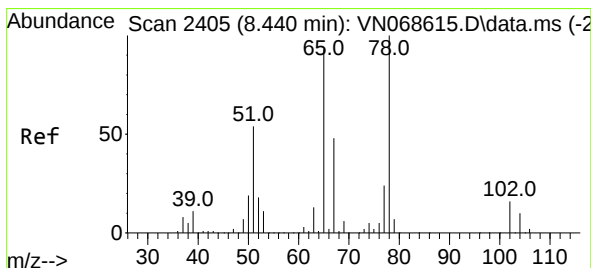
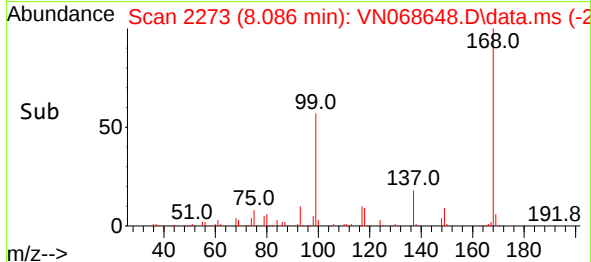
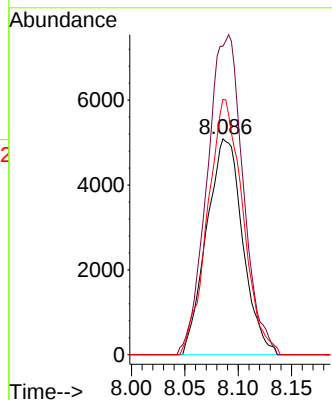
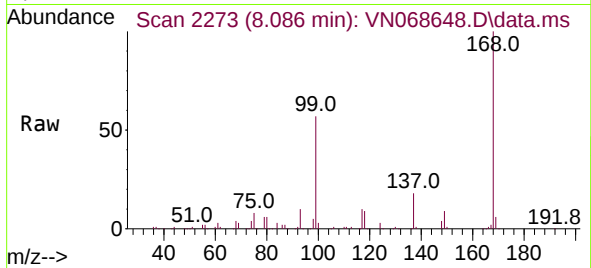




#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

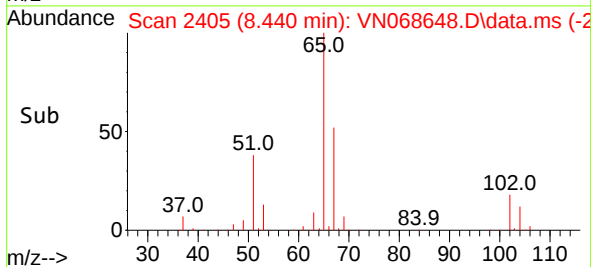
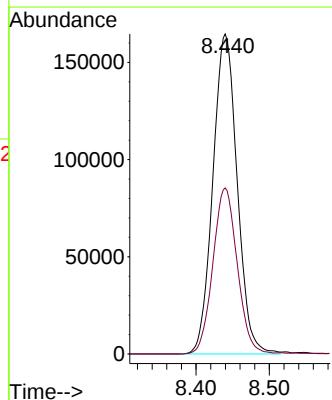
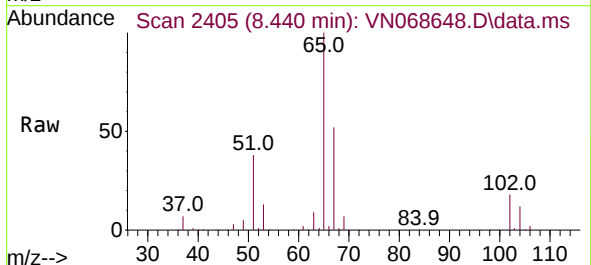
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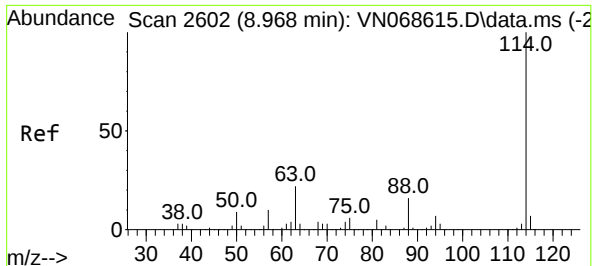
Tgt Ion:	56	Resp:	11973
Ion	Ratio	Lower	Upper
56	100		
69	142.9	27.3	40.9#
84	118.2	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.319 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion:	65	Resp:	379506
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	98.6

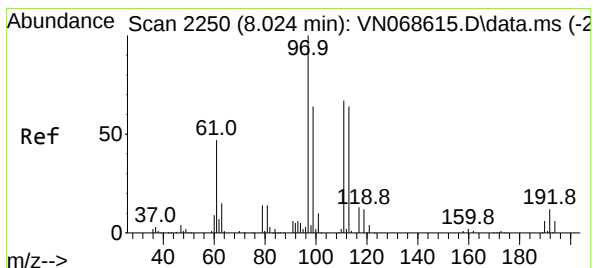
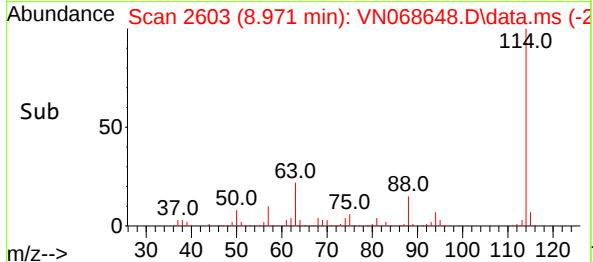
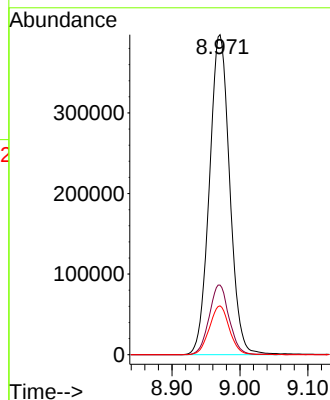
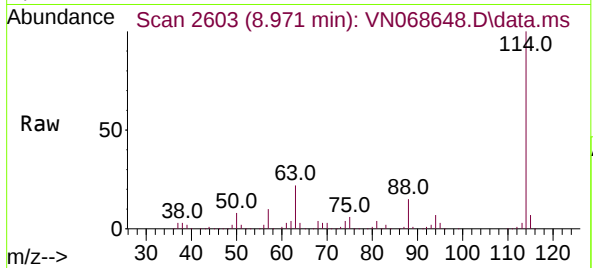




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

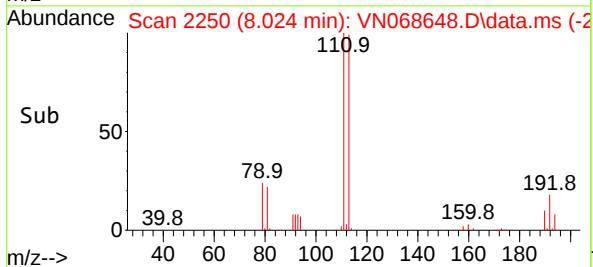
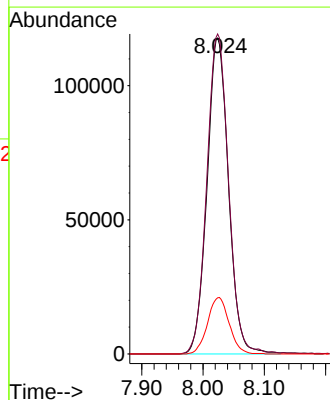
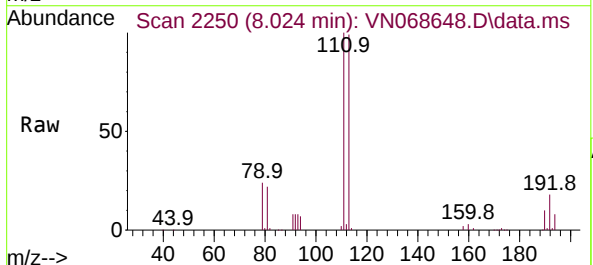
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

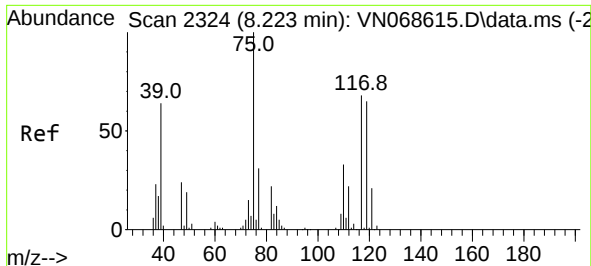
Tgt Ion:114 Resp: 822296
Ion Ratio Lower Upper
114 100
63 21.8 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.080 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion:113 Resp: 286485
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.8
192 18.0 13.4 20.0

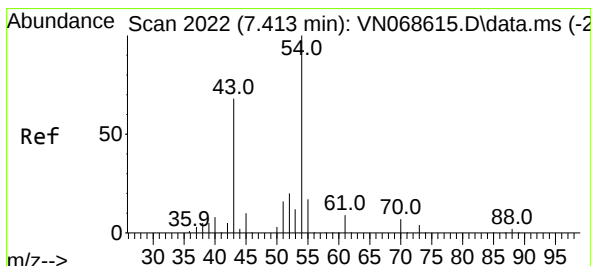
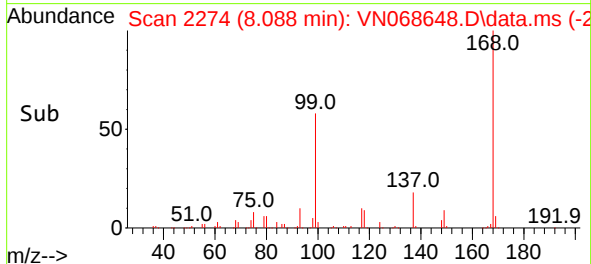
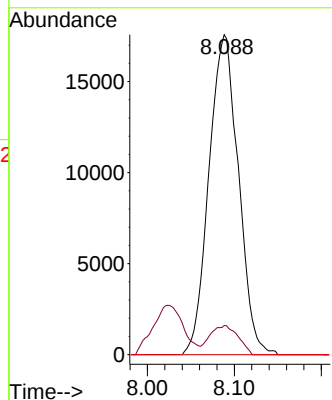
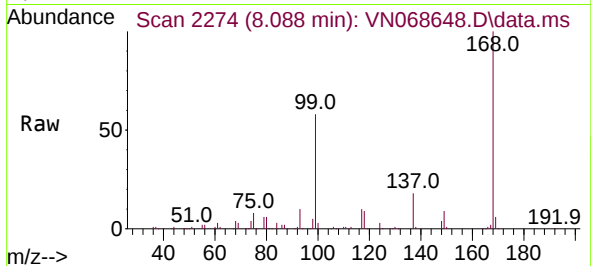




#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

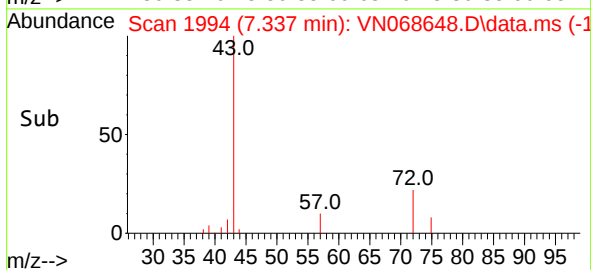
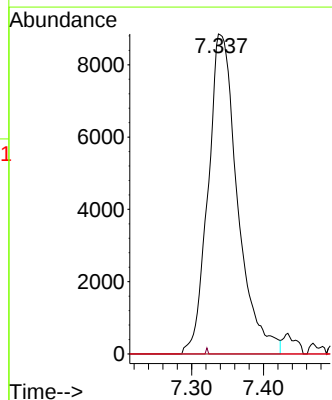
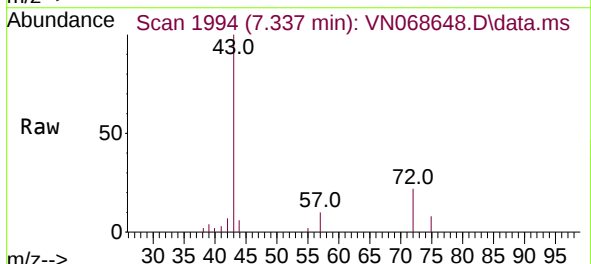
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

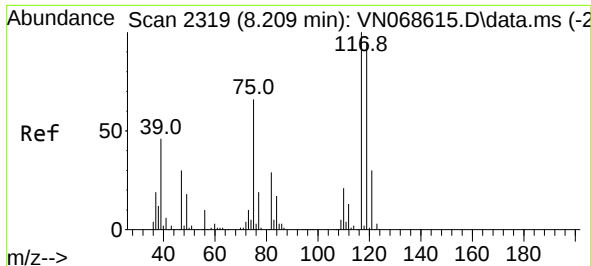
Tgt Ion: 75 Resp: 41415
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 2.671 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.076 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 43 Resp: 25184
Ion Ratio Lower Upper
43 100
61 0.1 10.6 16.0#
70 0.0 8.1 12.1#

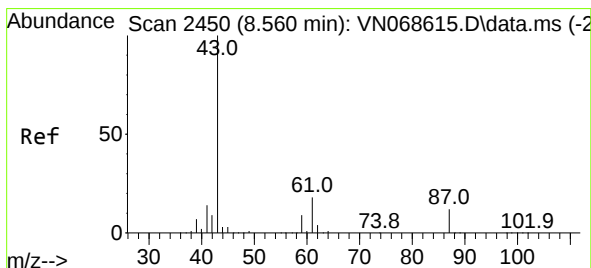
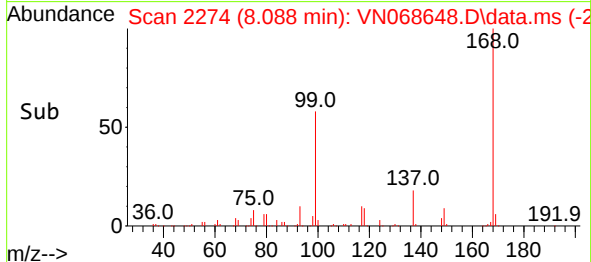
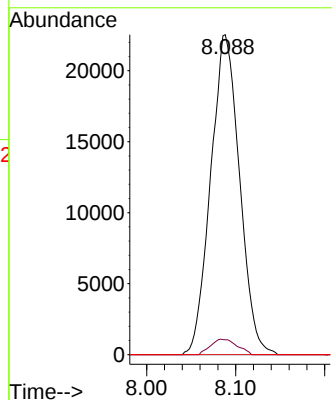
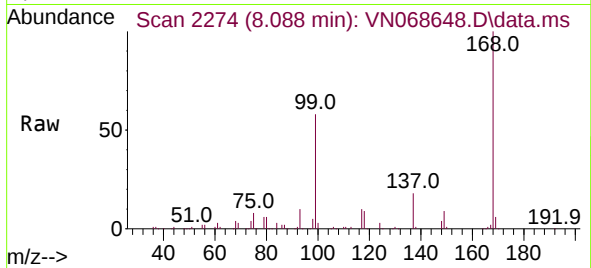




#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

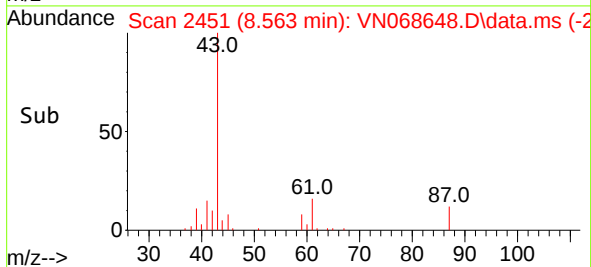
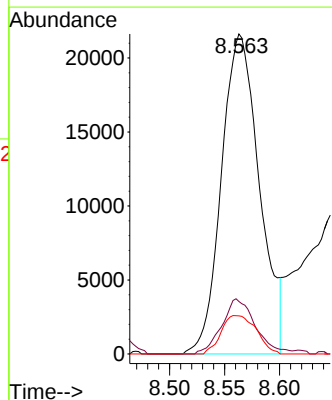
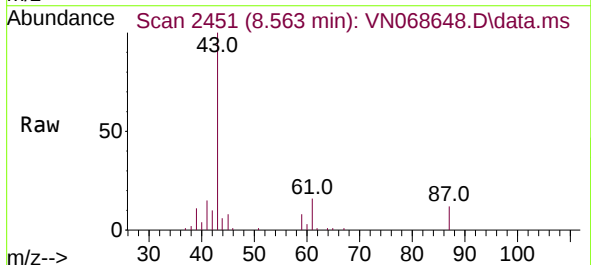
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

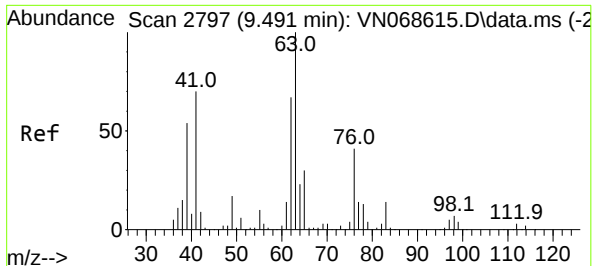
Tgt Ion:117 Resp: 50891
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.213 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 43 Resp: 51817
Ion Ratio Lower Upper
43 100
61 15.3 19.0 28.4#
87 11.1 9.5 14.3



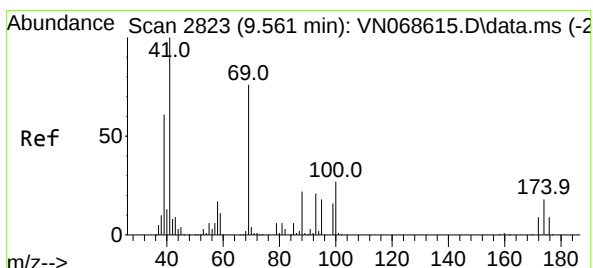
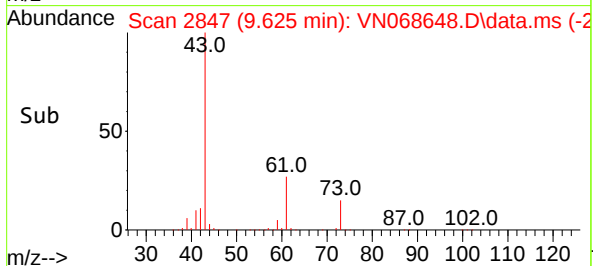
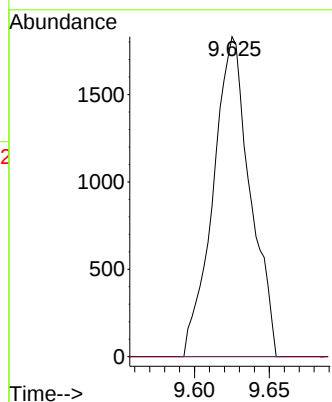
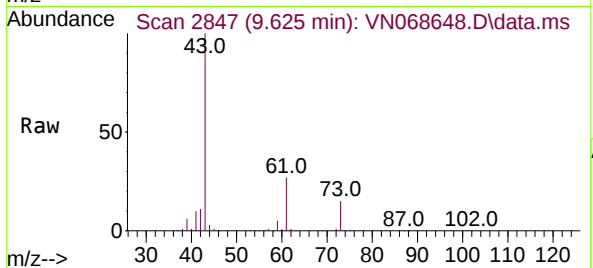


#45

1,2-Dichloropropane
Concen: 0.494 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

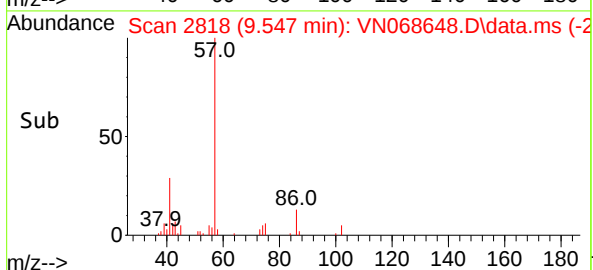
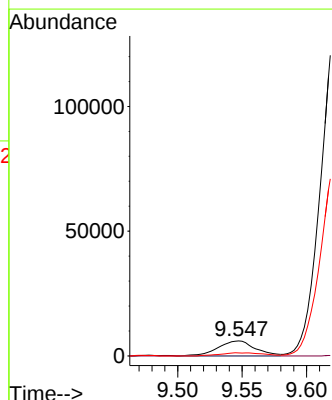
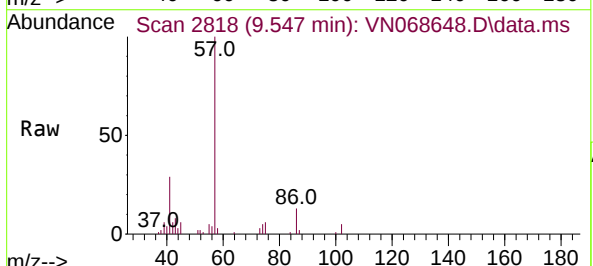
Tgt Ion: 63 Resp: 3168
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

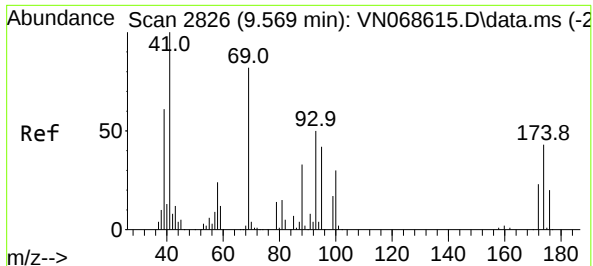


#48

Methyl methacrylate
Concen: 1.653 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 41 Resp: 12177
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 1.089 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN068648.D

Acq: 24 Sep 2021 19:08

Instrument :

MSVOA_N

ClientSampleId :

DKM-ENV-IC

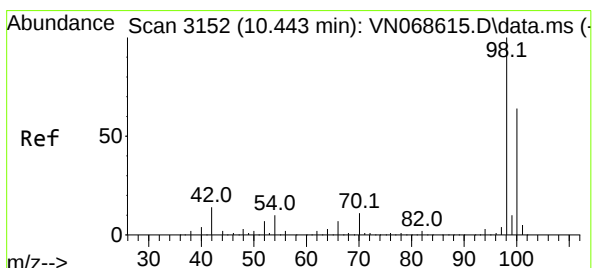
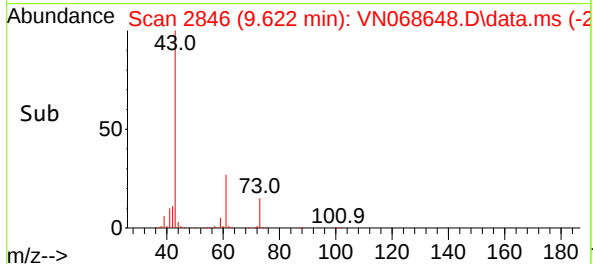
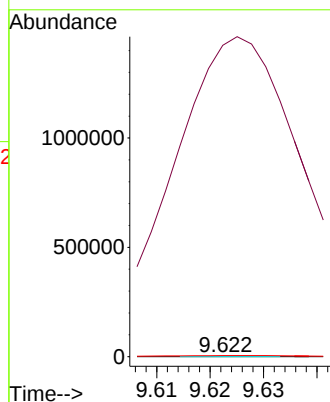
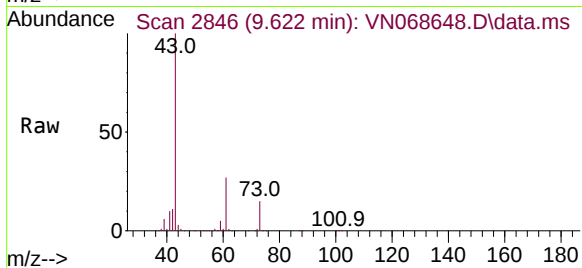
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

43 2323447.0 28.8 43.2#

58 9439.3 60.4 90.6#



#50

Toluene-d8

Concen: 61.233 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068648.D

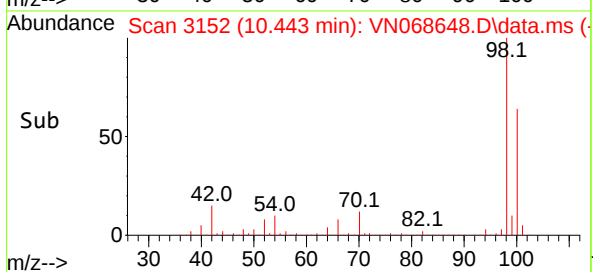
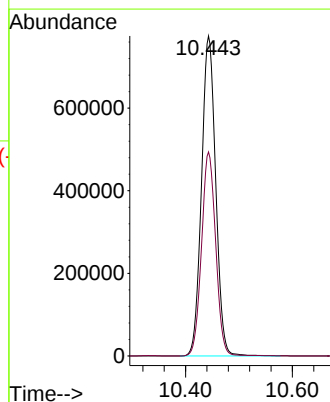
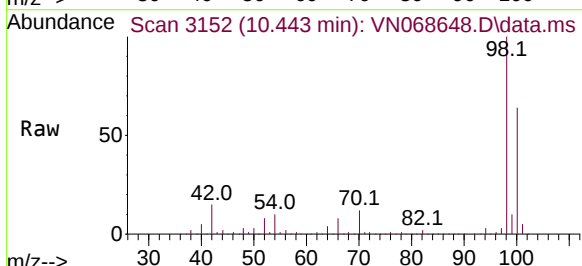
Acq: 24 Sep 2021 19:08

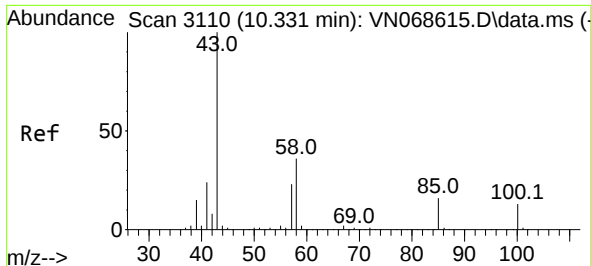
Tgt Ion: 98 Resp: 1428005

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5

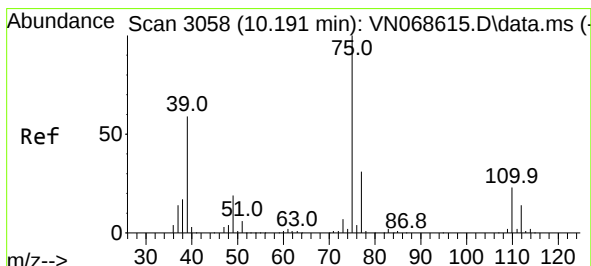
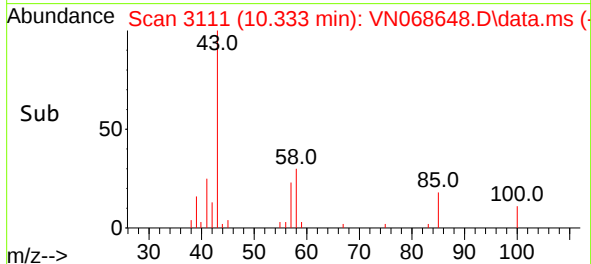
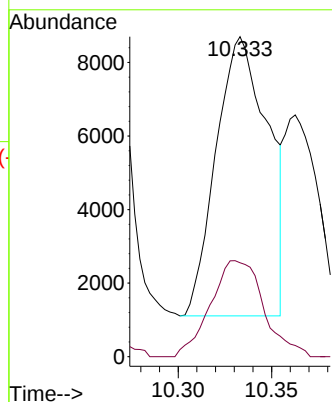
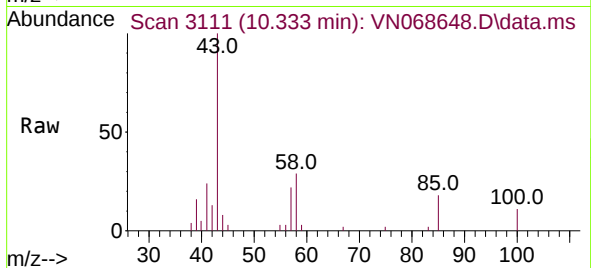




#51
4-Methyl-2-Pentanone
Concen: 1.500 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

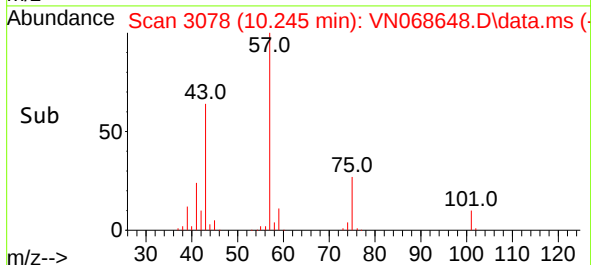
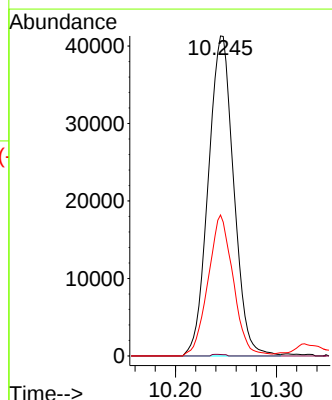
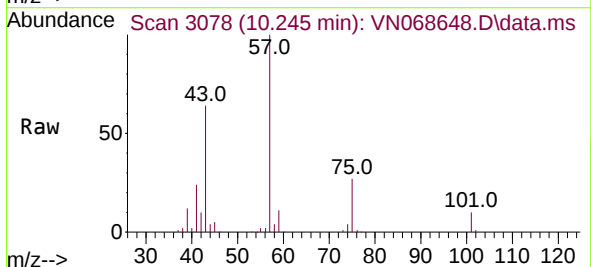
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

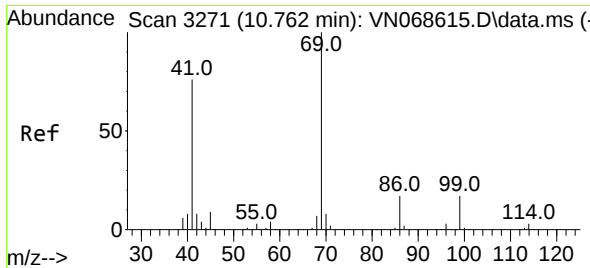
Tgt Ion: 43 Resp: 14630
Ion Ratio Lower Upper
43 100
58 35.2 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 7.121 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 75 Resp: 72209
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 44.1 50.7 76.1#

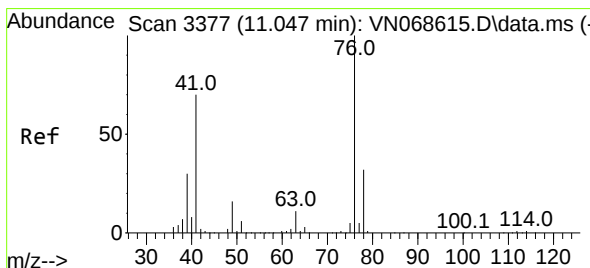
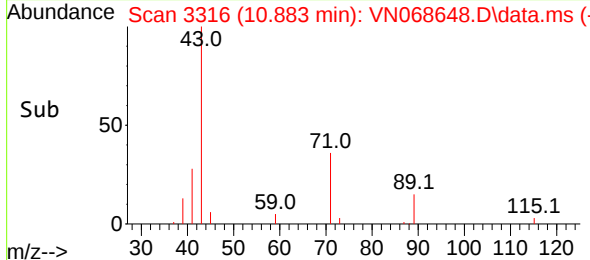
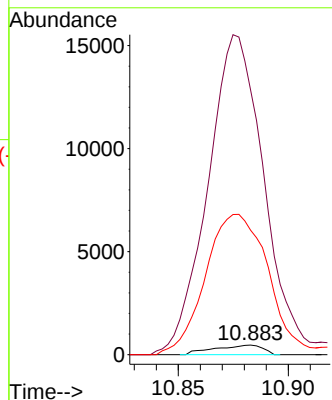
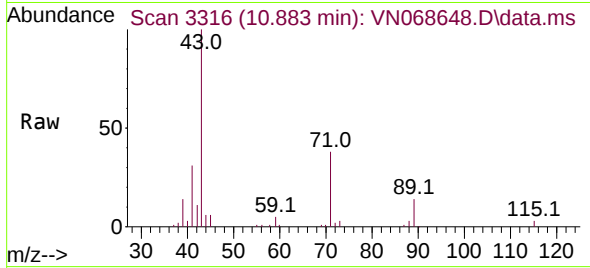




#56
Ethyl methacrylate
Concen: 0.771 ug/l
RT: 10.883 min Scan# 3316
Delta R.T. 0.121 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

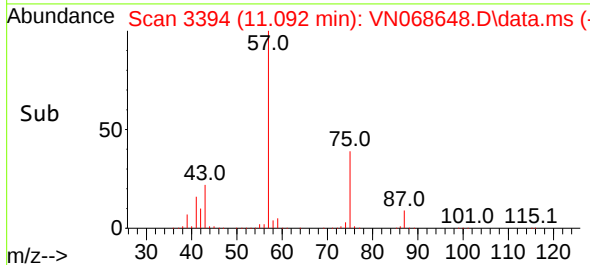
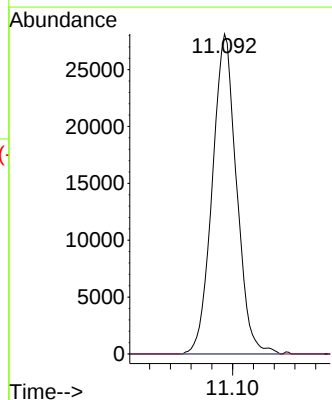
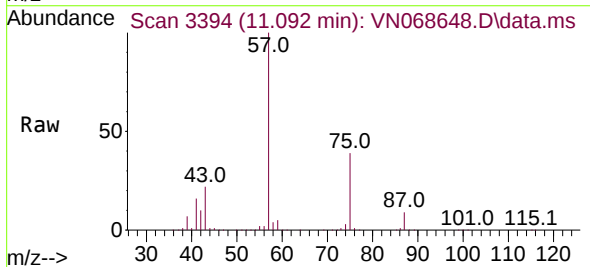
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

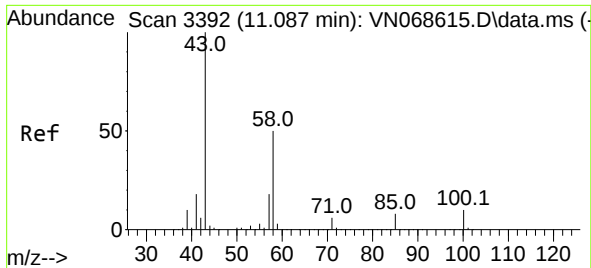
Tgt Ion: 69 Resp: 713
Ion Ratio Lower Upper
69 100
41 3933.9 58.6 88.0#
39 1892.7 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 4.359 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 76 Resp: 45568
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

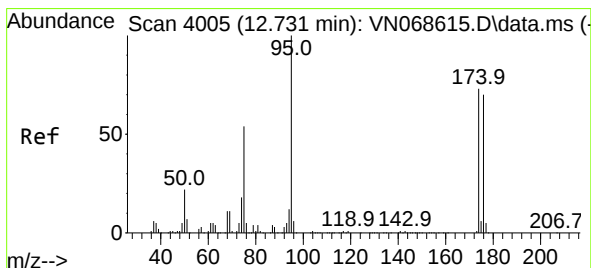
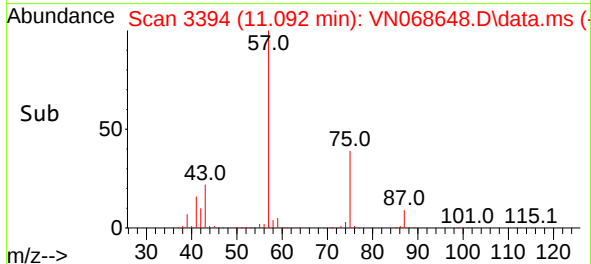
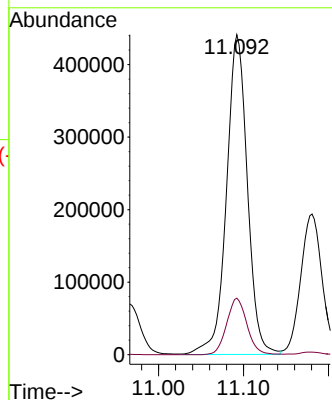
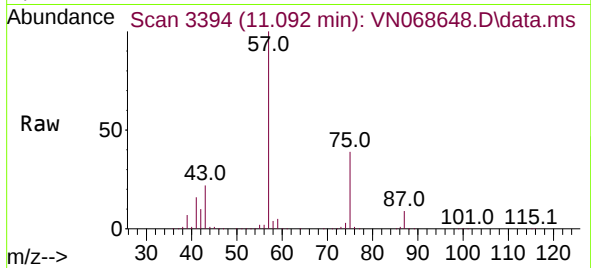




#59
2-Hexanone
Concen: 107.577 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

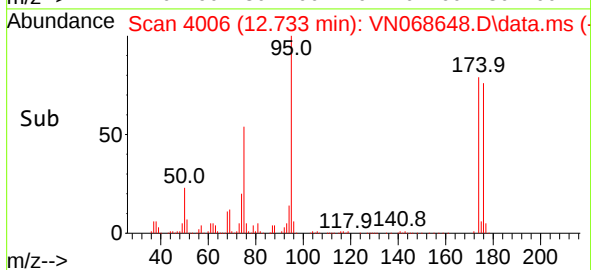
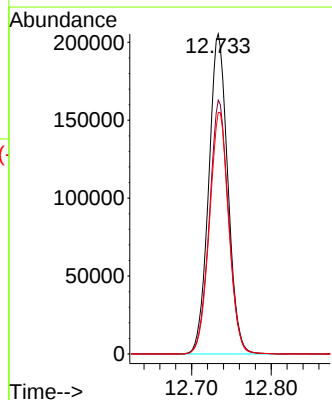
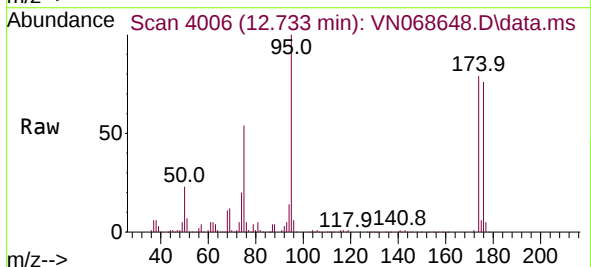
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IC

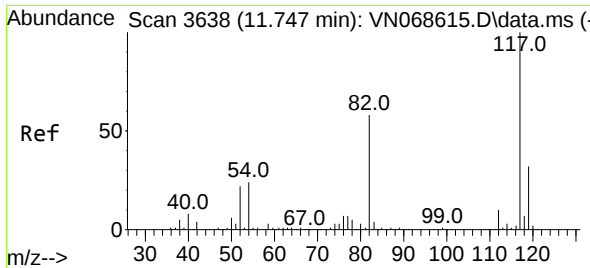
Tgt Ion: 43 Resp: 754585
Ion Ratio Lower Upper
43 100
58 17.2 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 42.957 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 95 Resp: 342615
Ion Ratio Lower Upper
95 100
174 80.0 0.0 122.0
176 76.5 0.0 117.6

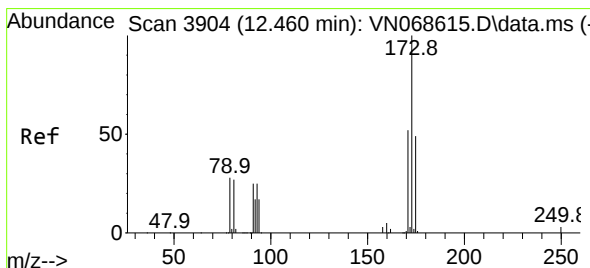
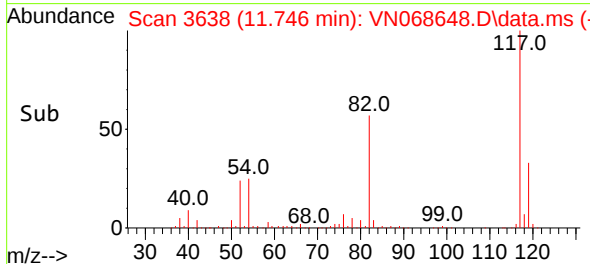
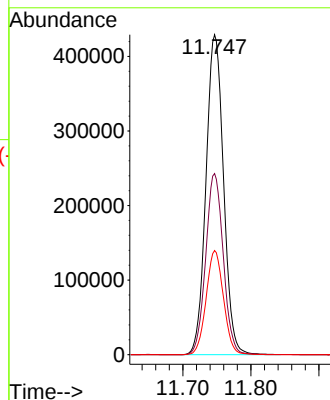
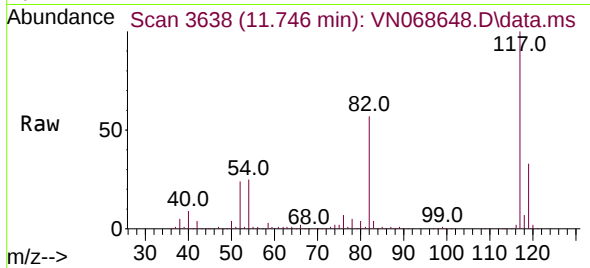




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

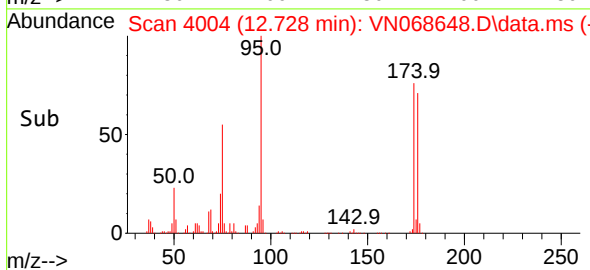
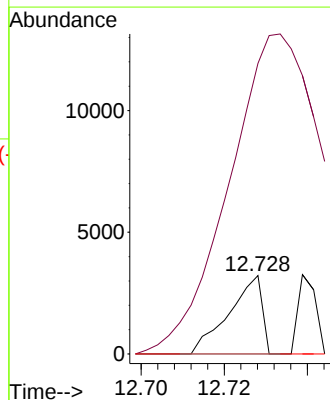
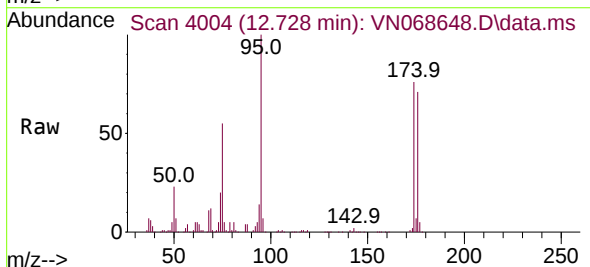
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

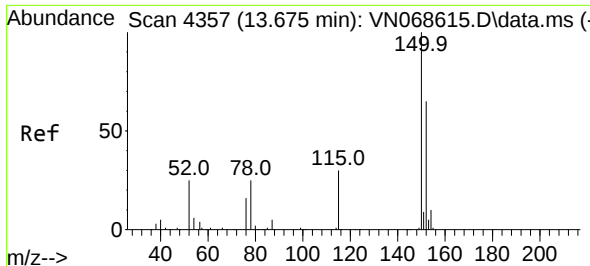
Tgt Ion:117 Resp: 771256
Ion Ratio Lower Upper
117 100
82 56.6 53.1 79.7
119 32.6 25.5 38.3



#71
Bromoform
Concen: 0.397 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion:173 Resp: 1781
Ion Ratio Lower Upper
173 100
175 1158.3 23.9 71.8#
254 0.0 0.0 0.0

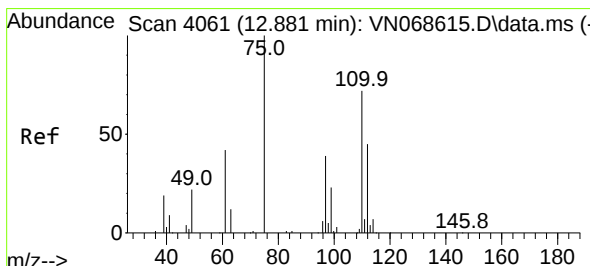
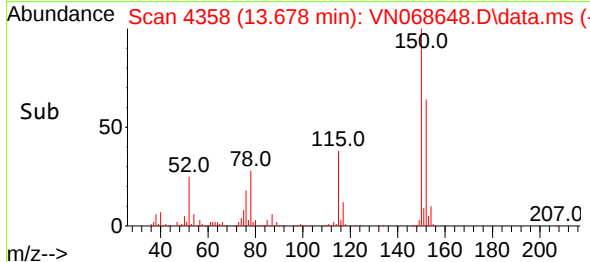
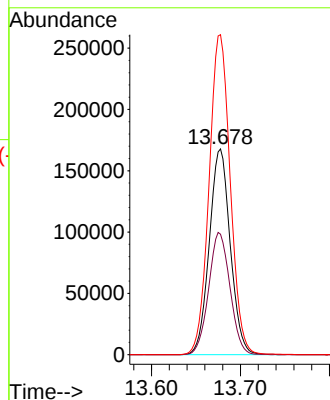
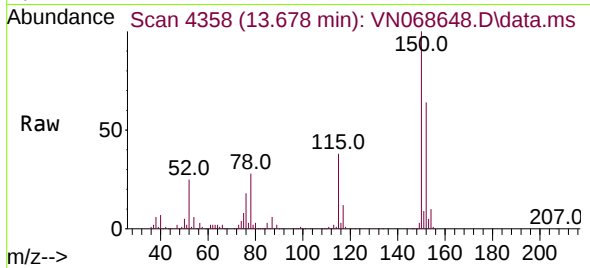




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

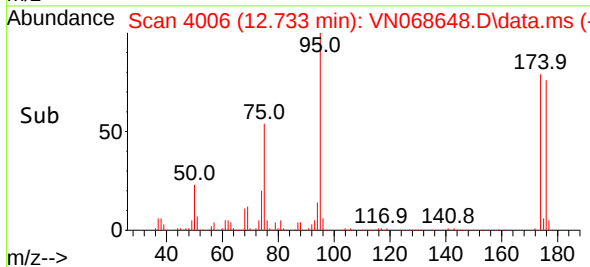
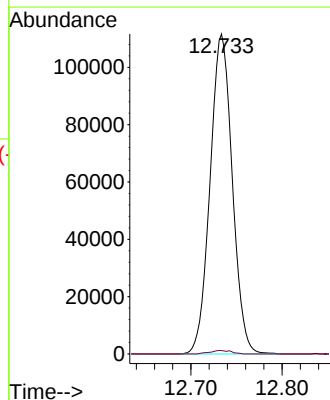
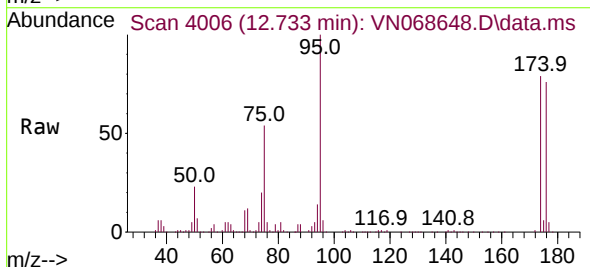
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

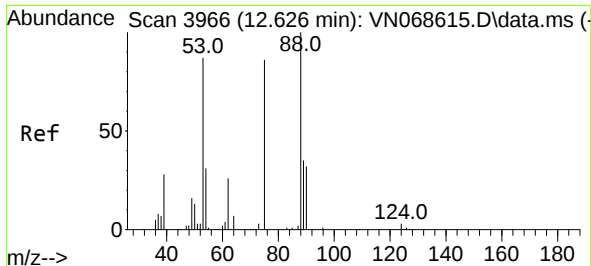
Tgt Ion:152 Resp: 274501
Ion Ratio Lower Upper
152 100
115 60.3 36.1 108.5
150 157.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.842 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion: 75 Resp: 188973
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

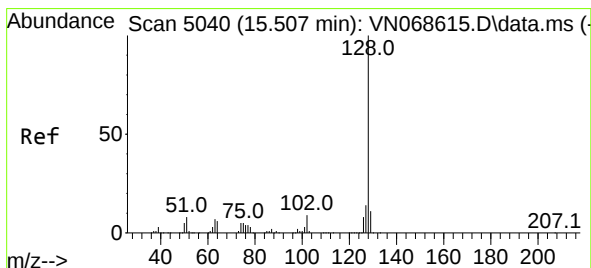
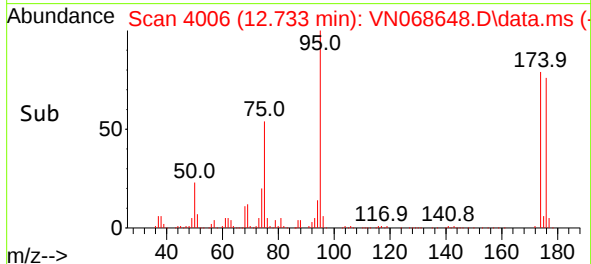
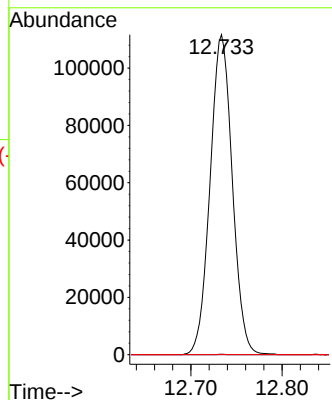
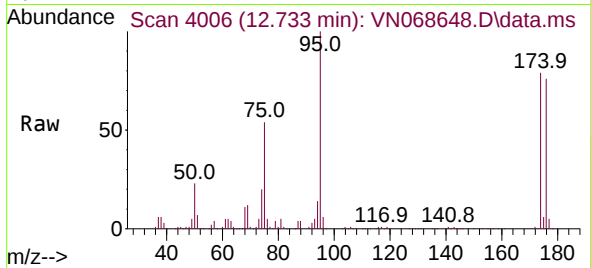




#81
trans-1,4-Dichloro-2-butene
Concen: 78.648 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IC

Tgt Ion: 75 Resp: 188973
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.756 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068648.D
Acq: 24 Sep 2021 19:08

Tgt Ion:128 Resp: 2172
Ion Ratio Lower Upper
128 100
127 2.3 10.6 15.8#
129 4.0 8.6 12.8#

