

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092421\
 Data File : VN068649.D
 Acq On : 24 Sep 2021 19:33
 Operator : JC/MD
 Sample : M3823-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DKM-ENV-IG

Quant Time: Sep 25 01:52:14 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)

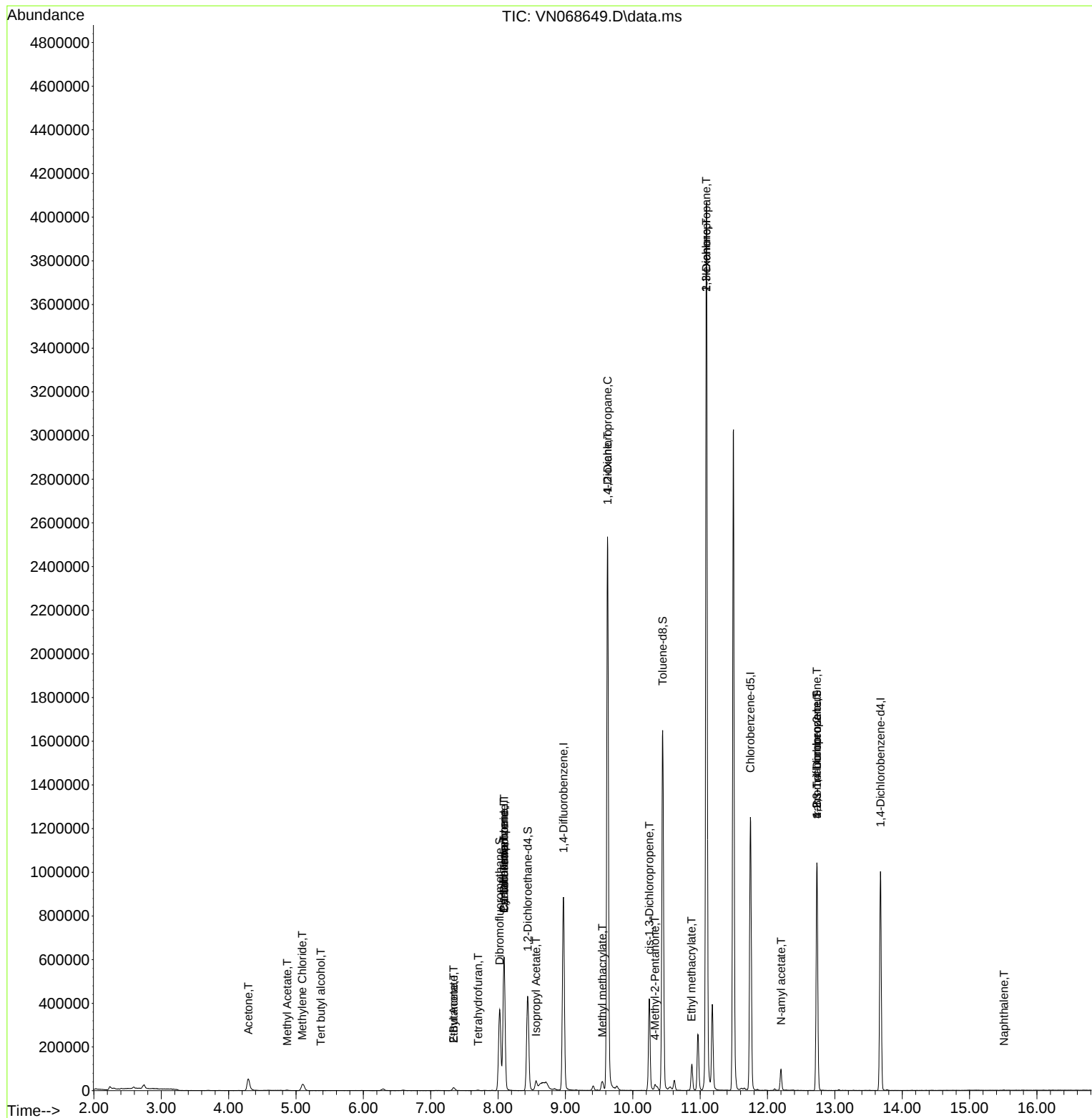
Internal Standards						
1) Pentafluorobenzene	8.088	168	459297	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	768697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	709304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	255143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	362926	50.654	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.300%			
35) Dibromofluoromethane	8.024	113	271319	52.774	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.540%			
50) Toluene-d8	10.443	98	1112726	51.040	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.080%			
62) 4-Bromofluorobenzene	12.734	95	338823	45.443	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.880%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	893	Below Cal	#	68
6) Chloroethane	3.143	64	1292	Below Cal	#	44
11) Tert butyl alcohol	5.366	59	387	0.351	ug/l #	71
16) Acetone	4.293	43	102785	29.400	ug/l	96
18) Methyl Acetate	4.870	43	4833	0.458	ug/l #	73
20) Methylene Chloride	5.093	84	23189	2.375	ug/l	95
25) 2-Butanone	7.340	43	23377	5.348	ug/l	94
29) Tetrahydrofuran	7.705	42	2082	0.749	ug/l #	43
31) Cyclohexane	8.088	56	10938	1.087	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	37993	4.894	ug/l #	52
37) Ethyl Acetate	7.340	43	23377	2.652	ug/l #	69
38) Carbon Tetrachloride	8.091	117	47396	5.911	ug/l #	17
43) Isopropyl Acetate	8.563	43	53305	3.535	ug/l #	87
45) 1,2-Dichloropropane	9.625	63	3032	0.505	ug/l #	44
48) Methyl methacrylate	9.547	41	11735	1.704	ug/l #	12
49) 1,4-Dioxane	9.628	88	215	2.140	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	15380	1.687	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	70003	7.385	ug/l #	63
56) Ethyl methacrylate	10.872	69	364	0.741	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	41173	4.213	ug/l #	43
59) 2-Hexanone	11.092	43	669462	102.097	ug/l #	53
74) N-amyl acetate	12.200	43	32590	3.338	ug/l #	56
76) 1,2,3-Trichloropropane	12.734	75	189228	29.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	189228	84.729	ug/l #	6
95) Naphthalene	15.509	128	1595	1.722	ug/l #	69

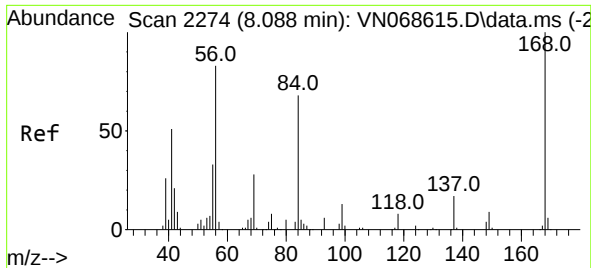
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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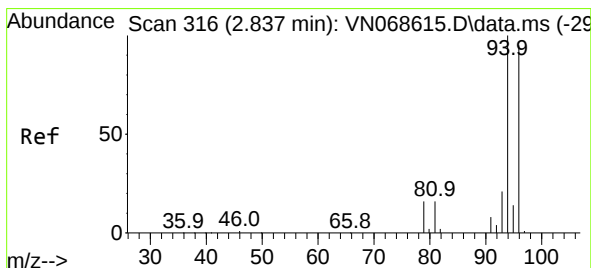
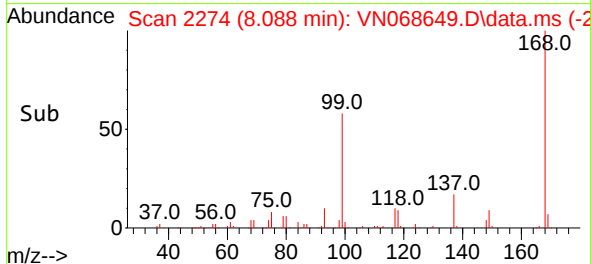
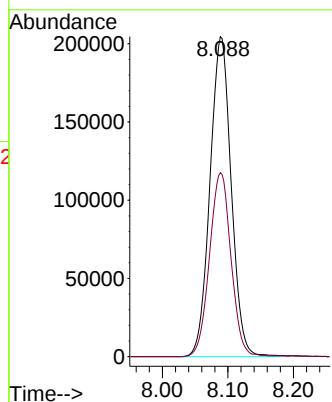
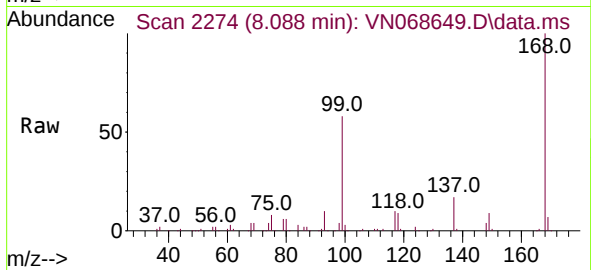




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

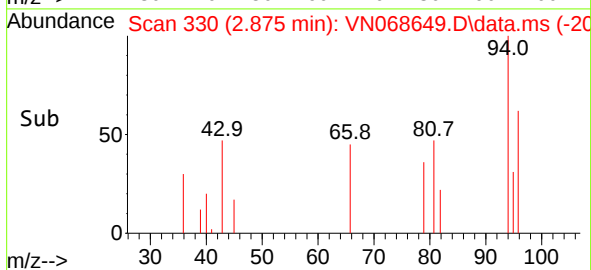
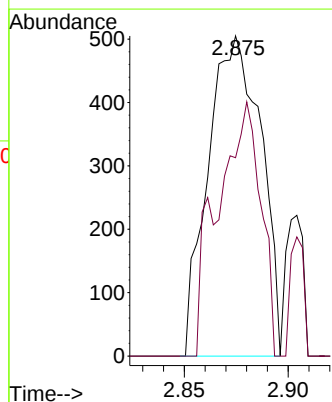
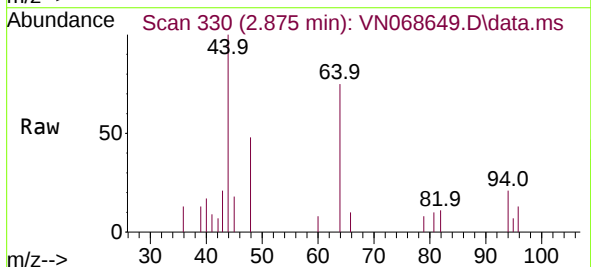
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IG

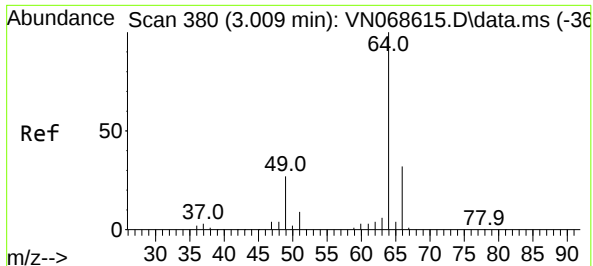
Tgt Ion:168 Resp: 459297
Ion Ratio Lower Upper
168 100
99 57.5 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 94 Resp: 893
Ion Ratio Lower Upper
94 100
96 62.0 73.7 110.5#

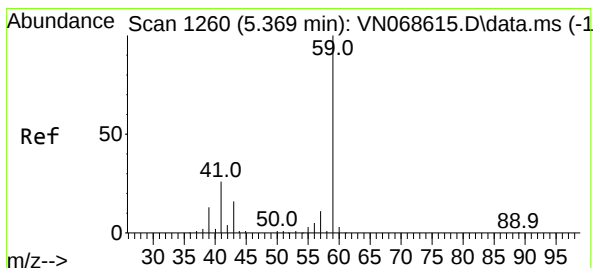
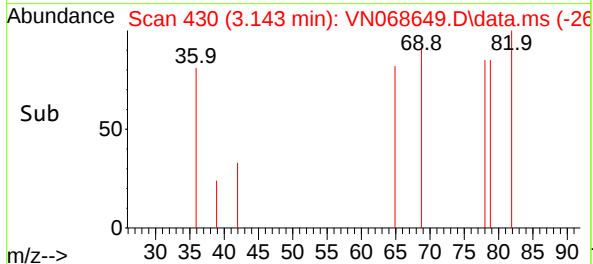
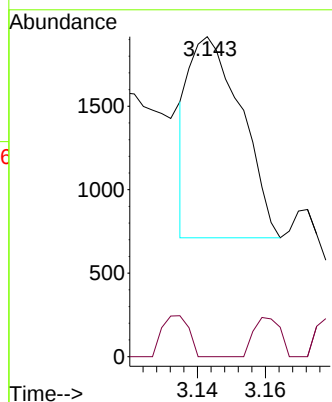
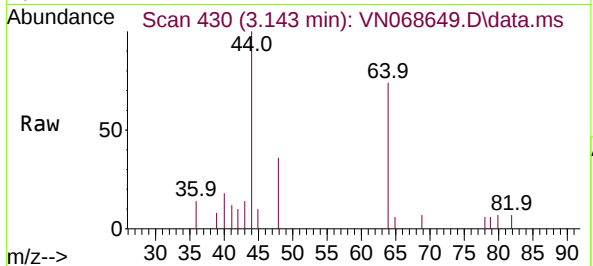




#6
Chloroethane
Concen: Below Cal
RT: 3.143 min Scan# 430
Delta R.T. 0.134 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

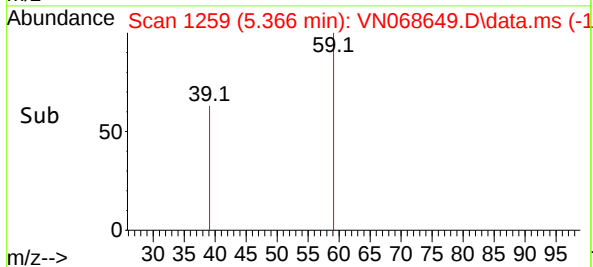
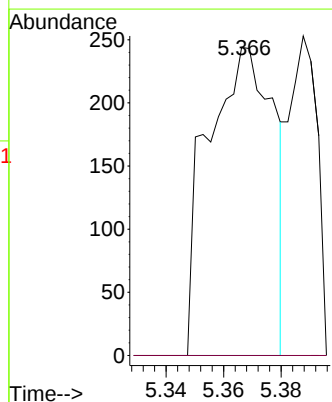
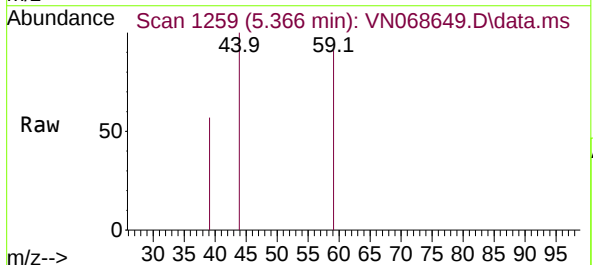
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IG

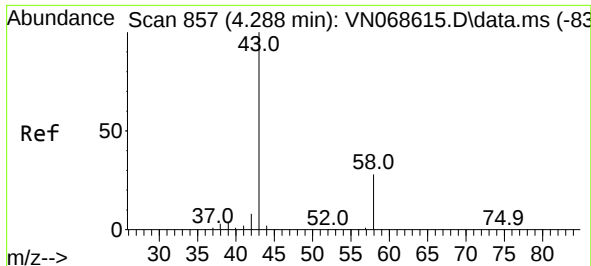
Tgt Ion: 64 Resp: 1292
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.351 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

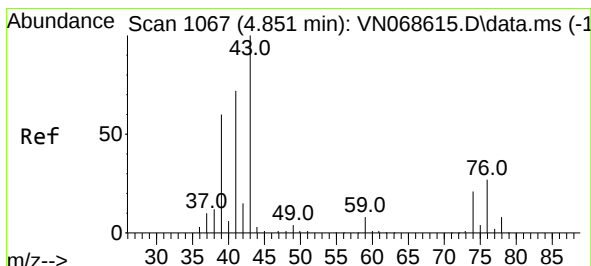
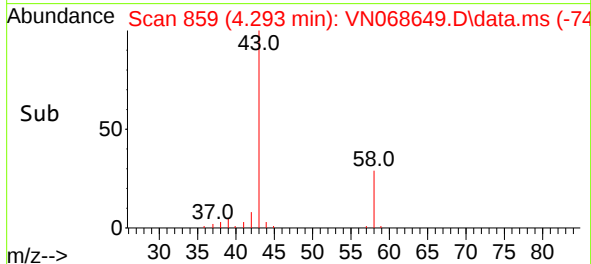
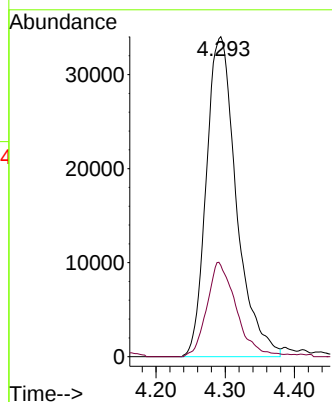
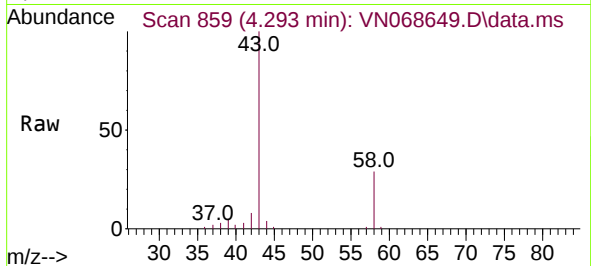




#16
Acetone
Concen: 29.400 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

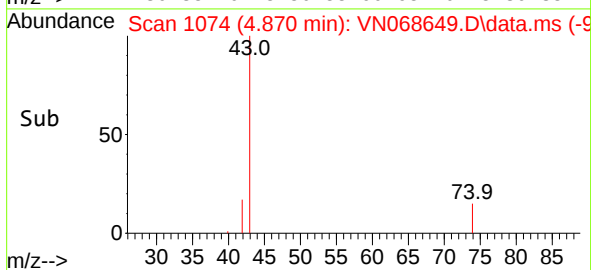
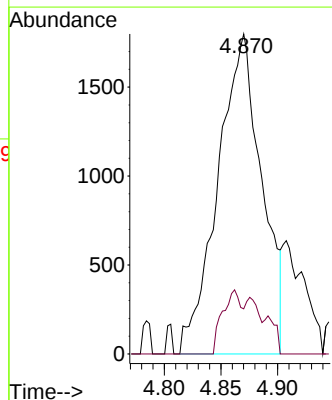
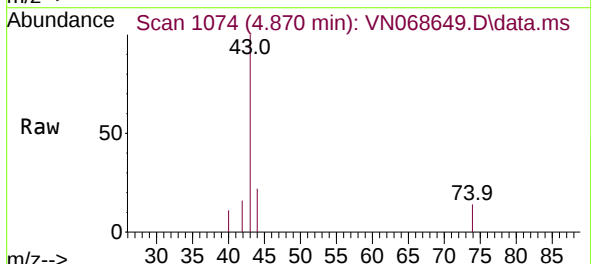
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

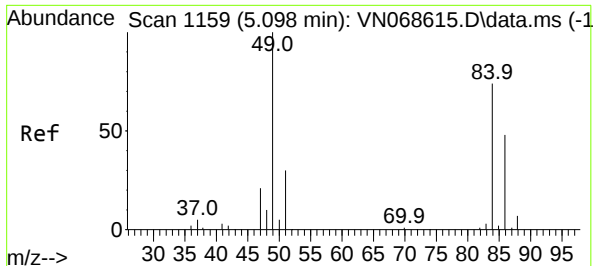
Tgt Ion: 43 Resp: 102785
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.019 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 43 Resp: 4833
Ion Ratio Lower Upper
43 100
74 8.9 17.4 26.0#

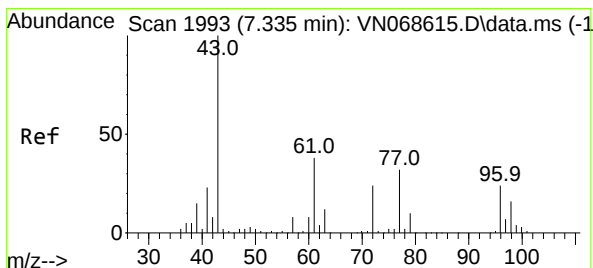
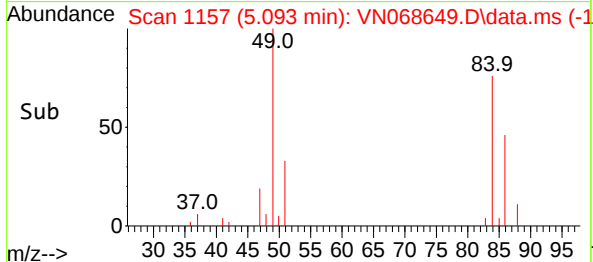
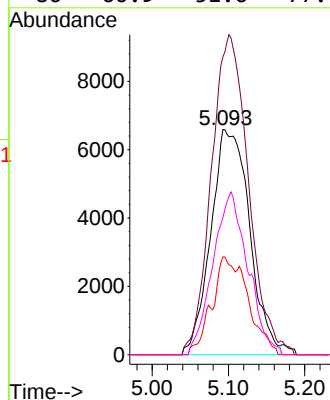
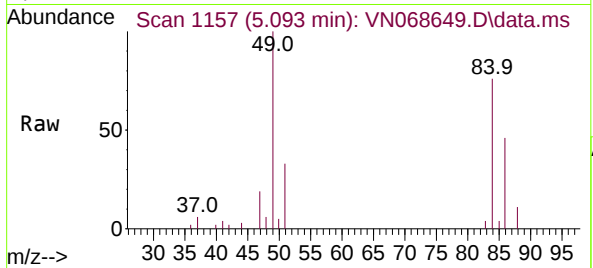




#20
Methylene Chloride
Concen: 2.375 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.005 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

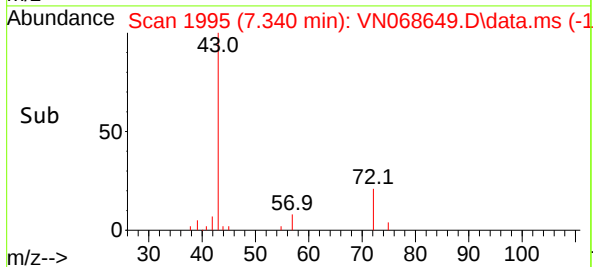
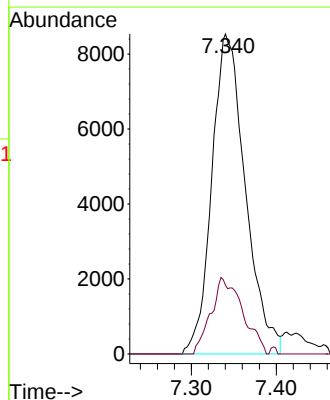
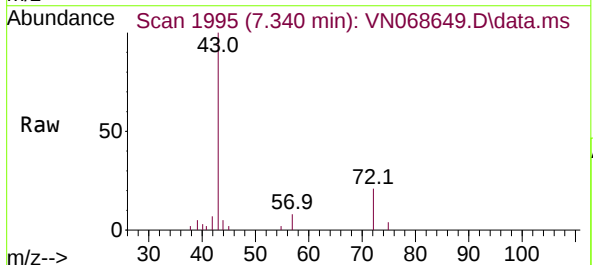
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

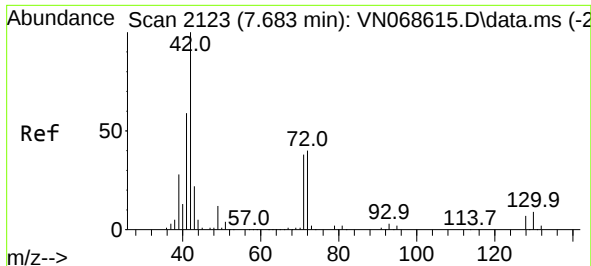
Tgt Ion:	84	Resp:	23189
Ion	Ratio	Lower	Upper
84	100		
49	132.4	110.9	166.3
51	43.5	32.6	49.0
86	60.9	51.6	77.4



#25
2-Butanone
Concen: 5.348 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion:	43	Resp:	23377
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.749 ug/l

RT: 7.705 min Scan# 2131

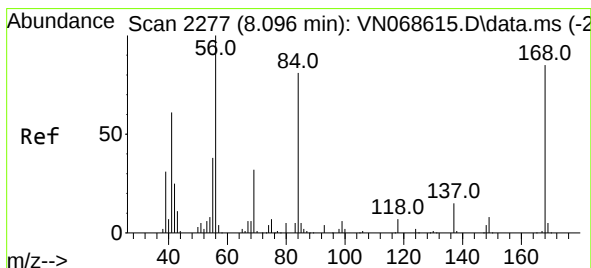
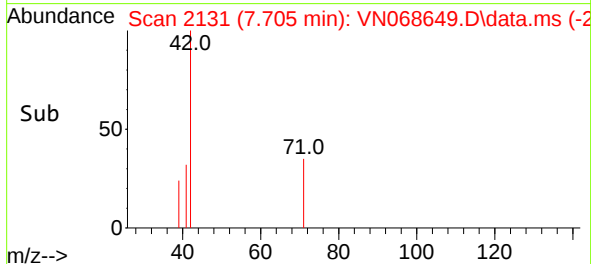
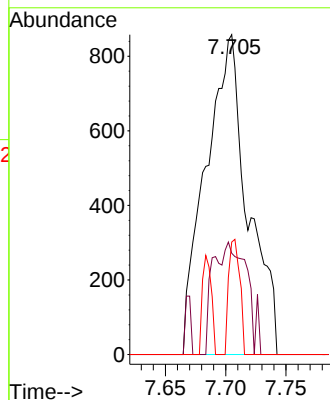
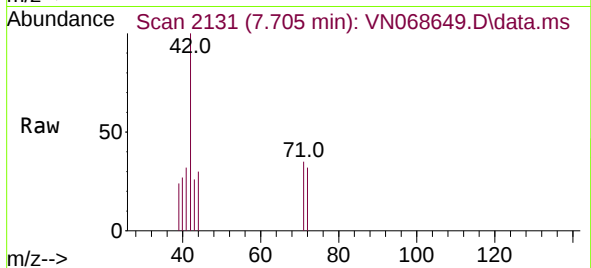
Delta R.T. 0.022 min

Lab File: VN068649.D

Acq: 24 Sep 2021 19:33

Tgt Ion:	42	Resp:	2082
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	9.6	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IG



#31

Cyclohexane

Concen: 1.087 ug/l

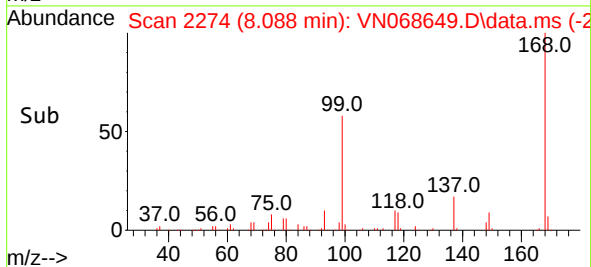
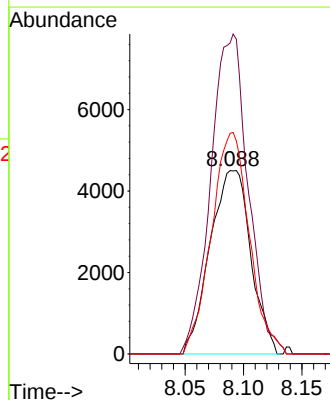
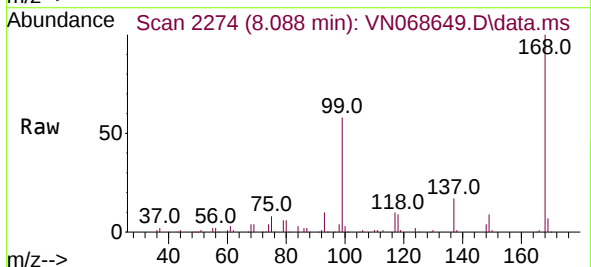
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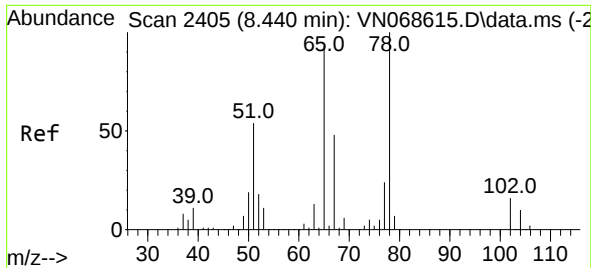
Delta R.T. -0.008 min

Lab File: VN068649.D

Acq: 24 Sep 2021 19:33

Tgt Ion:	56	Resp:	10938
Ion	Ratio	Lower	Upper
56	100		
69	169.7	27.3	40.9#
84	120.3	64.9	97.3#

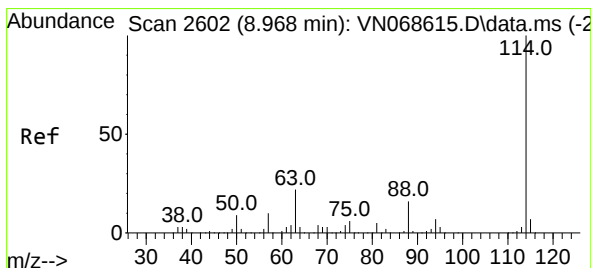
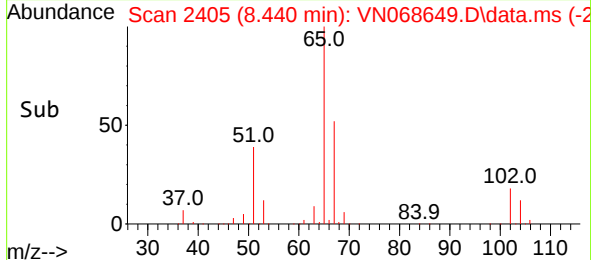
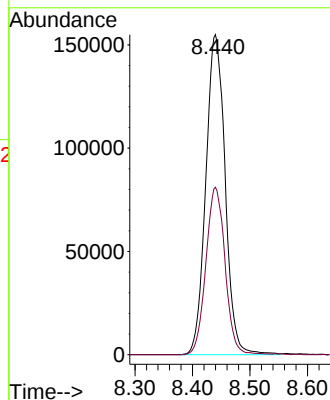
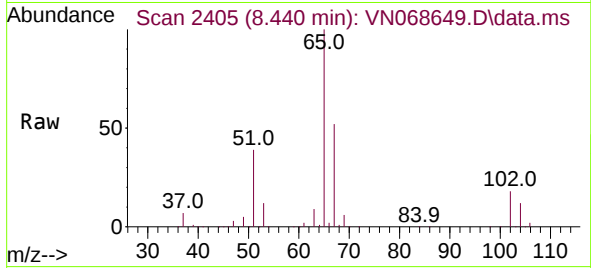




#33
1,2-Dichloroethane-d4
Concen: 50.654 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

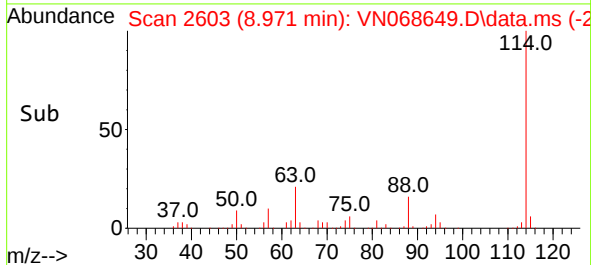
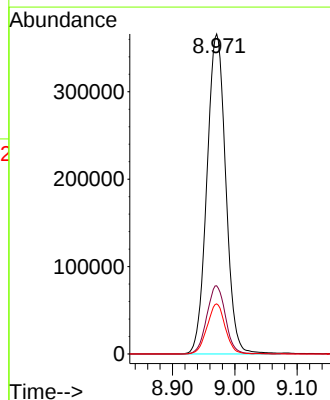
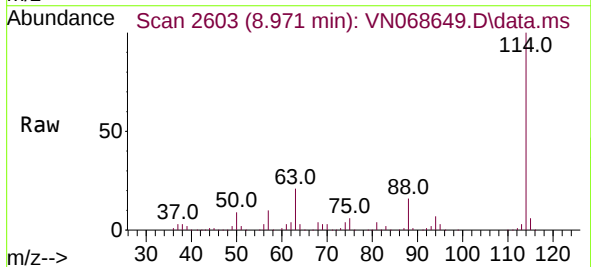
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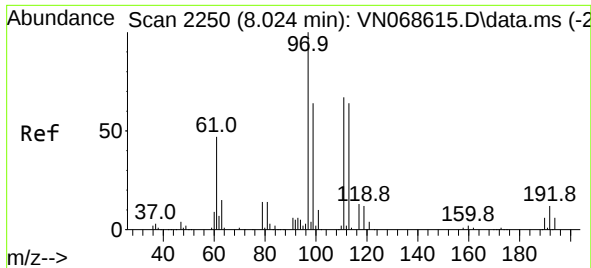
Tgt Ion: 65 Resp: 362926
Ion Ratio Lower Upper
65 100
67 51.8 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 114 Resp: 768697
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.6 0.0 36.6

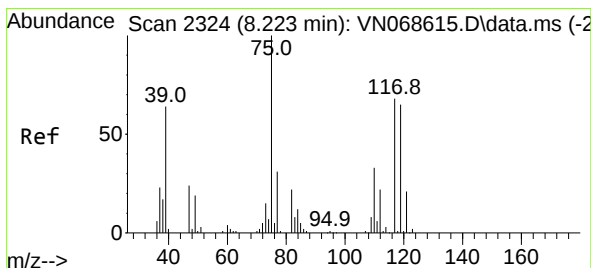
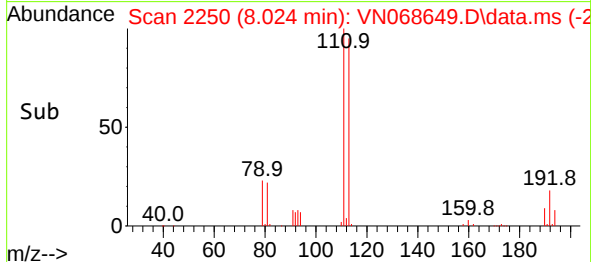
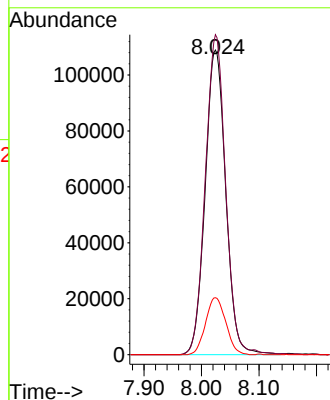
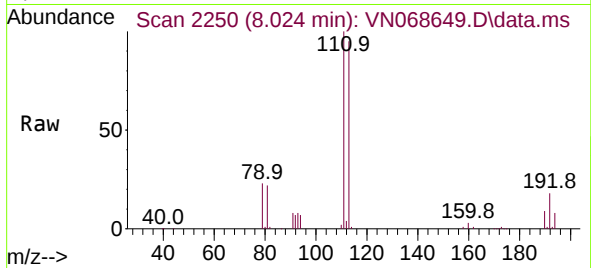




#35
Dibromofluoromethane
Concen: 52.774 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

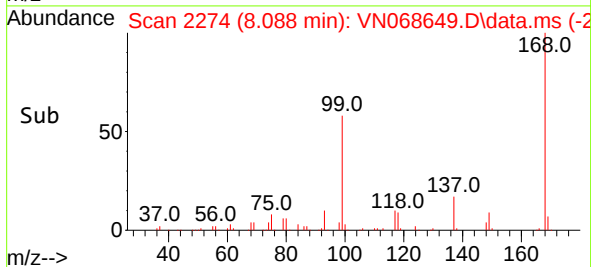
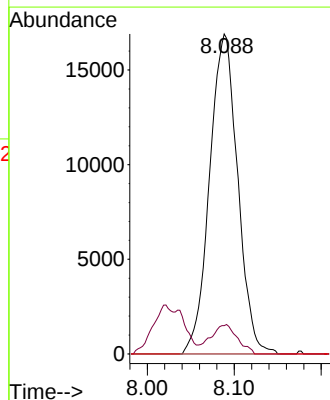
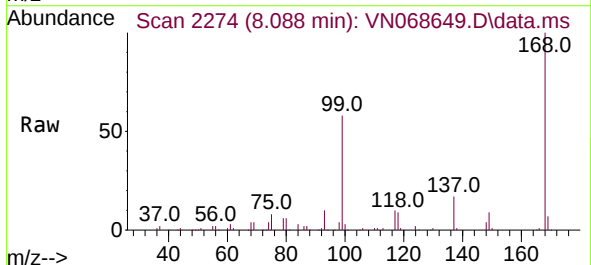
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

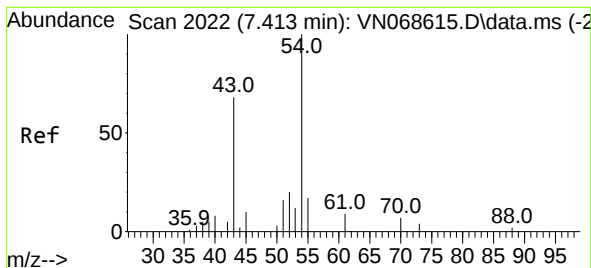
Tgt Ion:113 Resp: 271319
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 18.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 75 Resp: 37993
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 2.652 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. -0.073 min

Lab File: VN068649.D

Acq: 24 Sep 2021 19:33

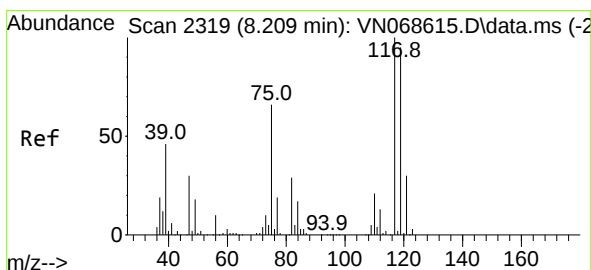
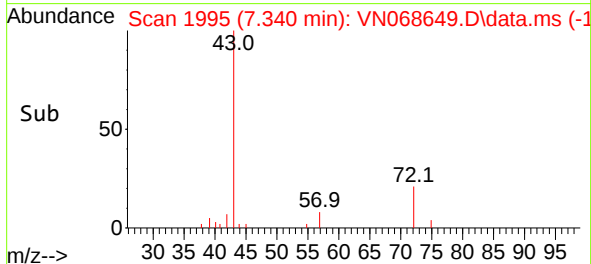
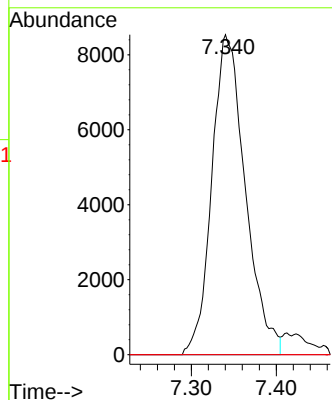
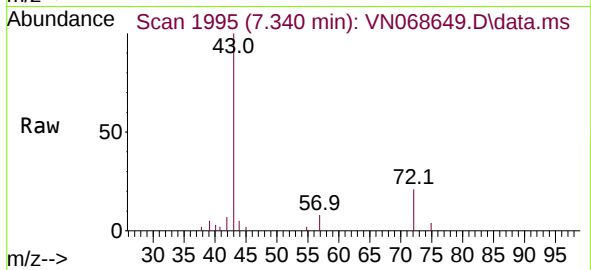
Instrument :

MSVOA_N

ClientSampleId :

DKM-ENV-IG

Tgt Ion:	43	Resp:	23377
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.911 ug/l

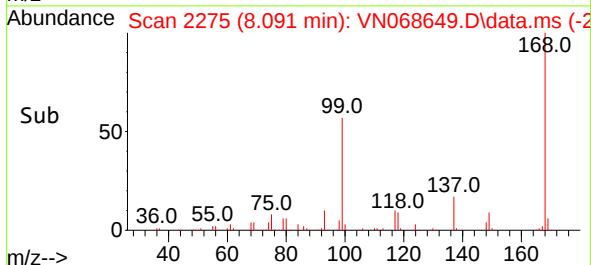
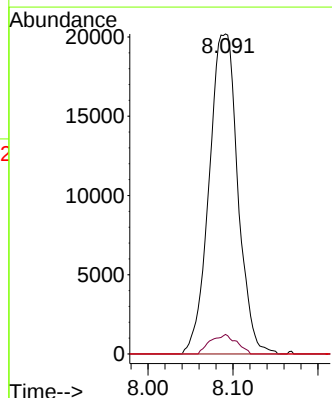
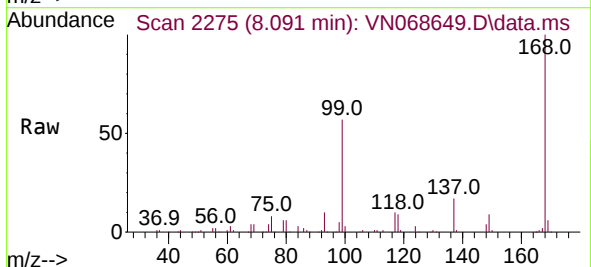
RT: 8.091 min Scan# 2275

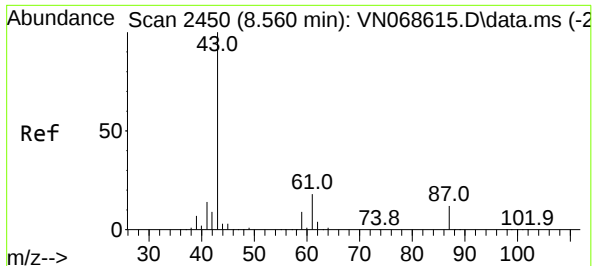
Delta R.T. -0.118 min

Lab File: VN068649.D

Acq: 24 Sep 2021 19:33

Tgt Ion:	117	Resp:	47396
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.4	113.2#
121	0.0	23.5	35.3#

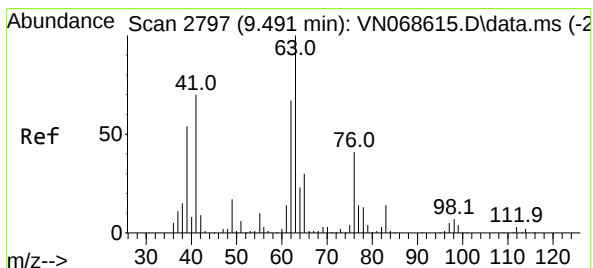
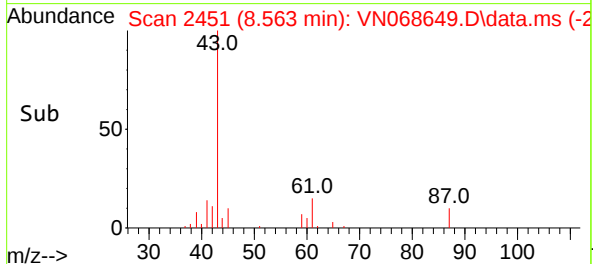
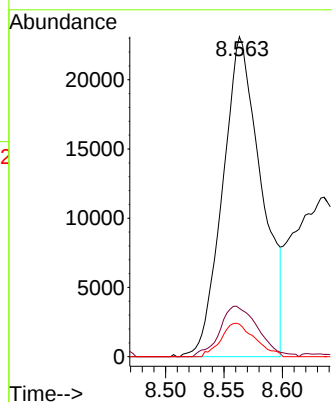
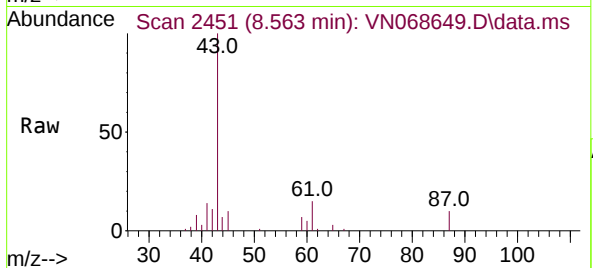




#43
Isopropyl Acetate
Concen: 3.535 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

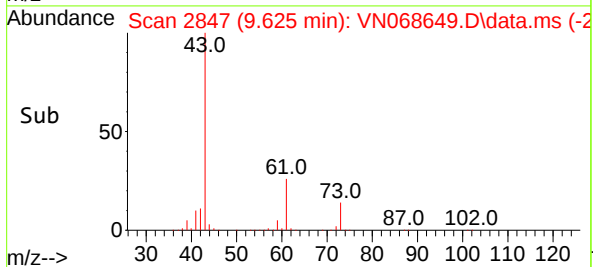
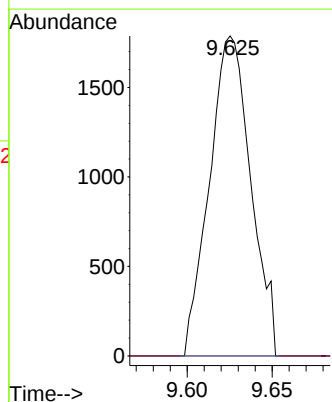
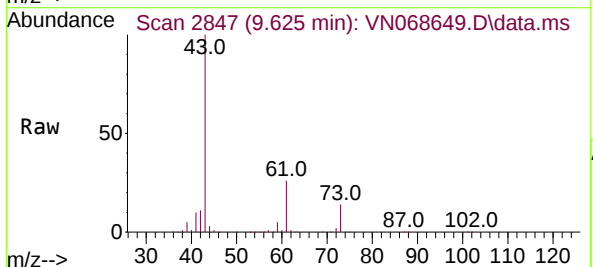
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IG

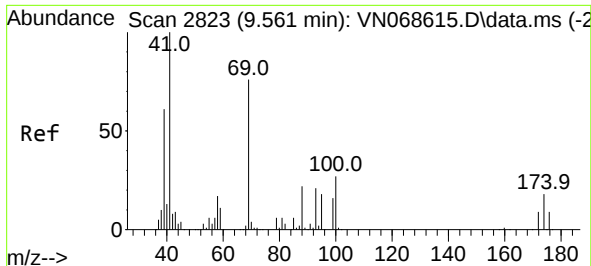
Tgt Ion: 43 Resp: 53305
Ion Ratio Lower Upper
43 100
61 15.6 19.0 28.4#
87 9.1 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.505 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 63 Resp: 3032
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

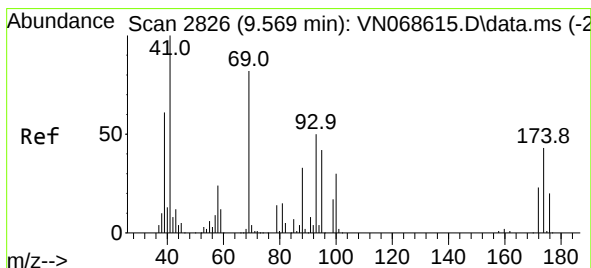
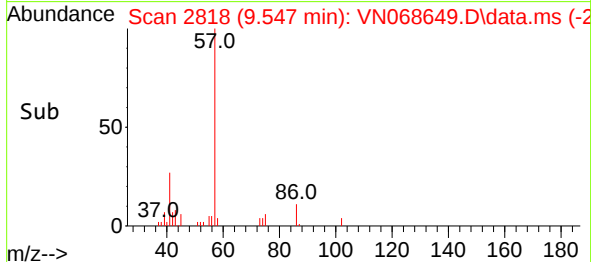
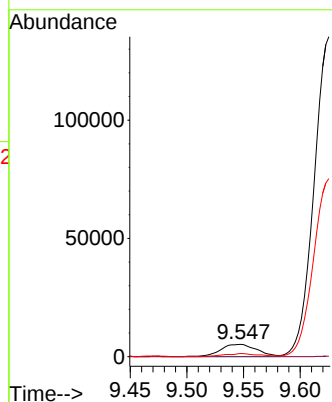
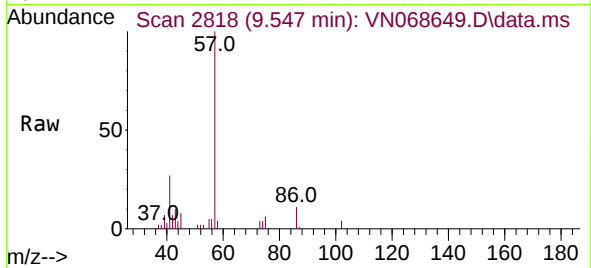




#48
Methyl methacrylate
Concen: 1.704 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

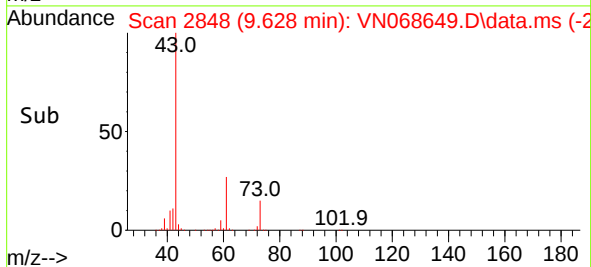
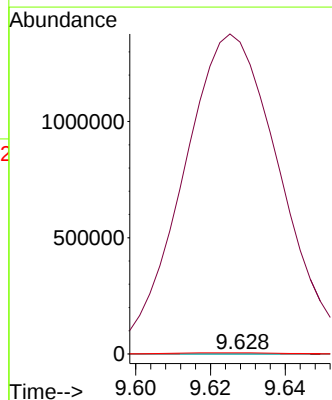
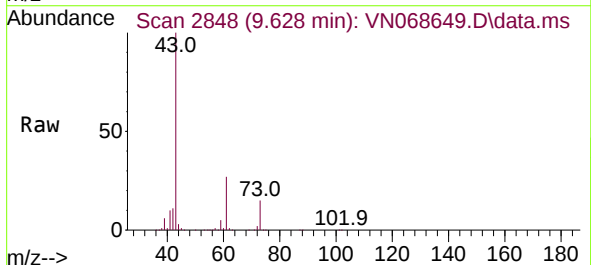
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

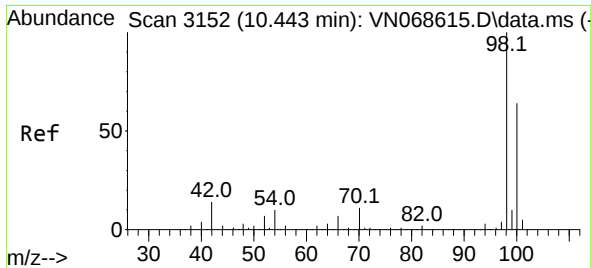
Tgt Ion: 41 Resp: 11735
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 2.140 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 1193138.6 28.8 43.2#
58 4958.1 60.4 90.6#

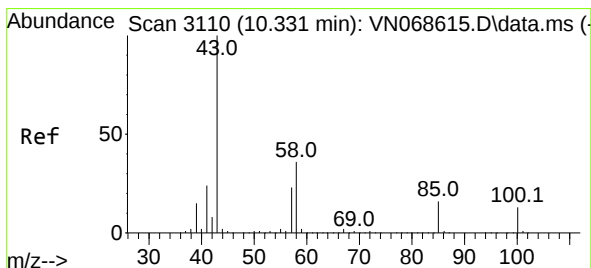
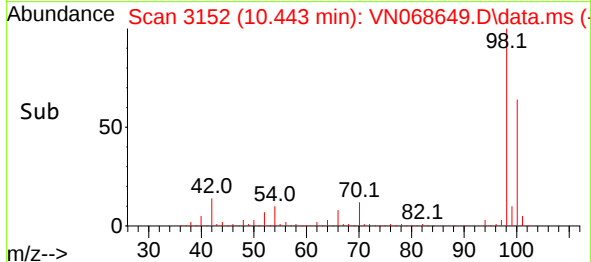
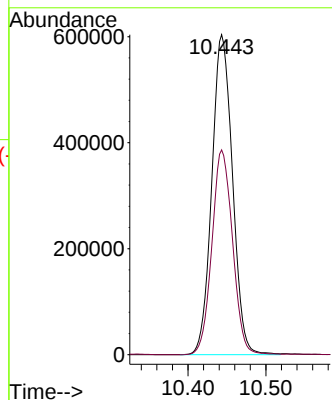
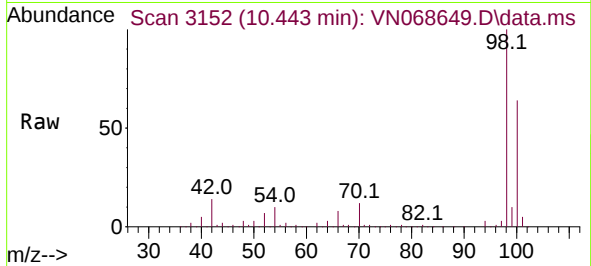




#50
Toluene-d8
Concen: 51.040 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

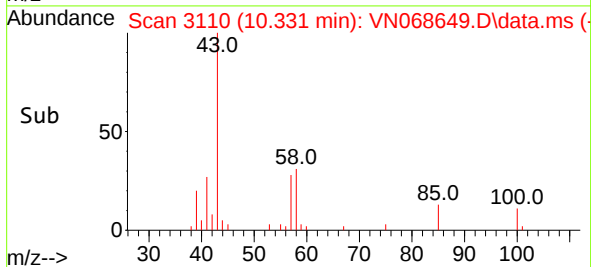
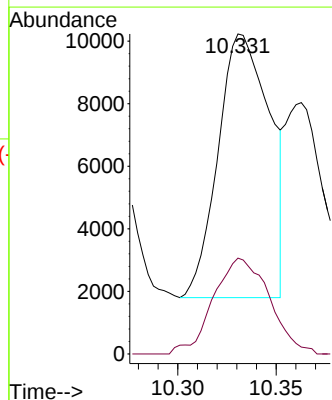
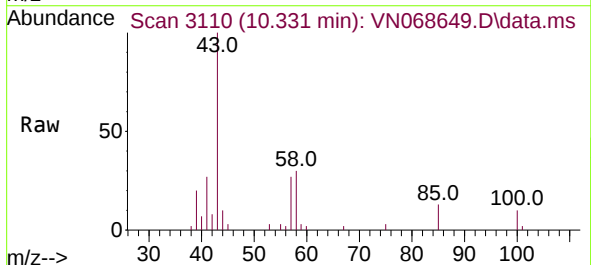
Instrument :
MSVOA_N
ClientSampled :
DKM-ENV-IG

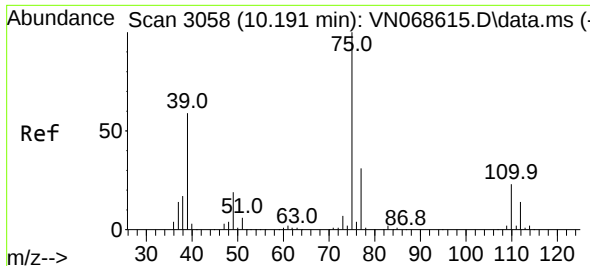
Tgt Ion: 98 Resp: 1112726
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.687 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
58 39.4 28.6 43.0

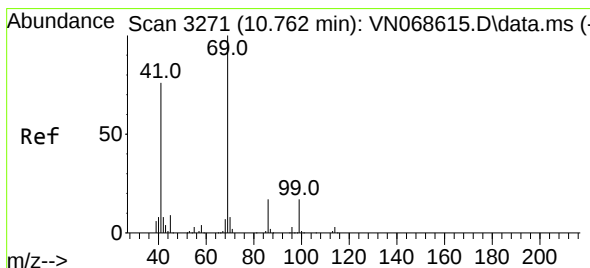
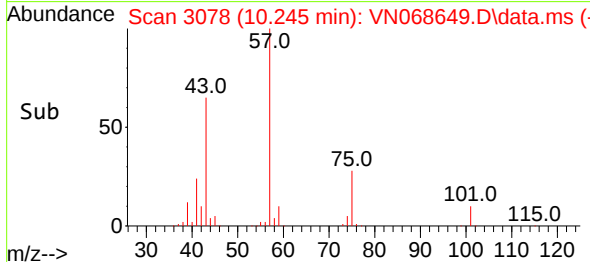
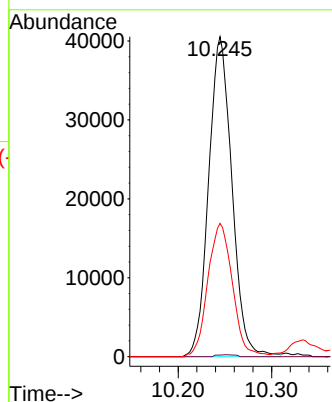
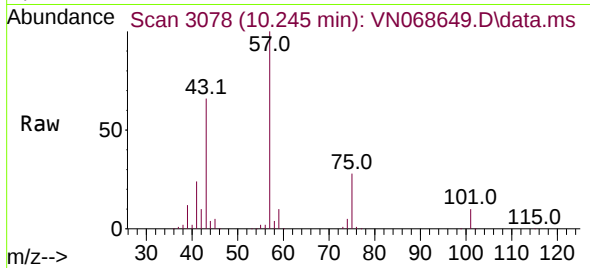




#54
 cis-1,3-Dichloropropene
 Concen: 7.385 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068649.D
 Acq: 24 Sep 2021 19:33

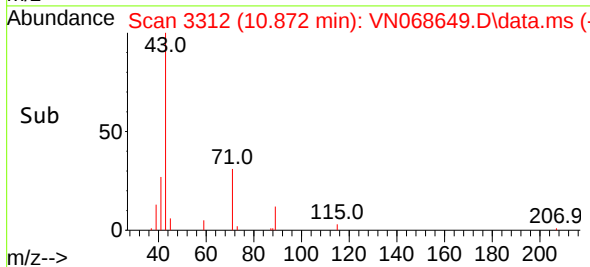
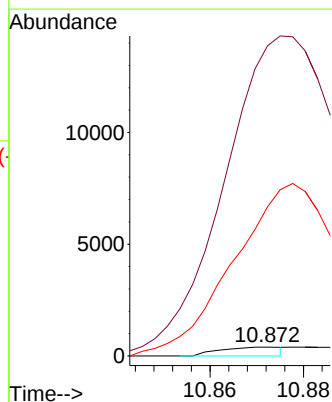
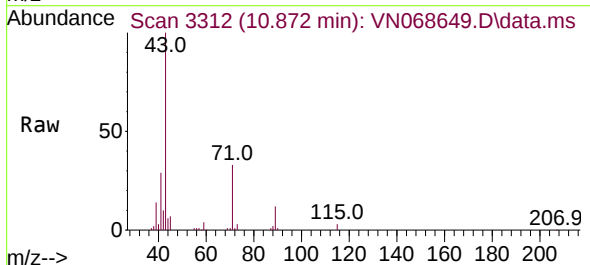
Instrument :
 MSVOA_N
 ClientSampleId :
 DKM-ENV-IG

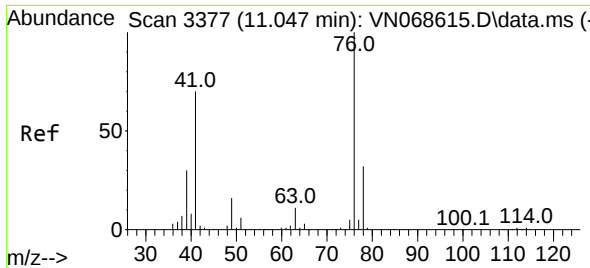
Tgt Ion: 75 Resp: 70003
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 41.3 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.741 ug/l
 RT: 10.872 min Scan# 3312
 Delta R.T. 0.110 min
 Lab File: VN068649.D
 Acq: 24 Sep 2021 19:33

Tgt Ion: 69 Resp: 364
 Ion Ratio Lower Upper
 69 100
 41 7406.9 58.6 88.0#
 39 3556.6 38.3 57.5#

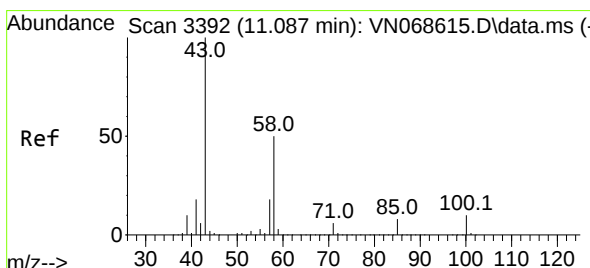
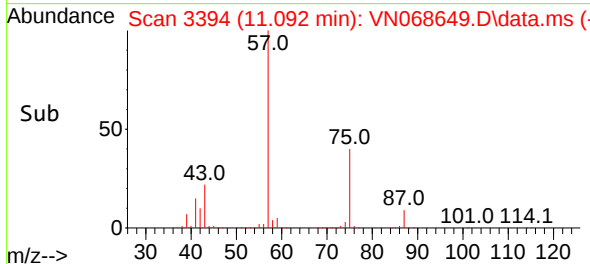
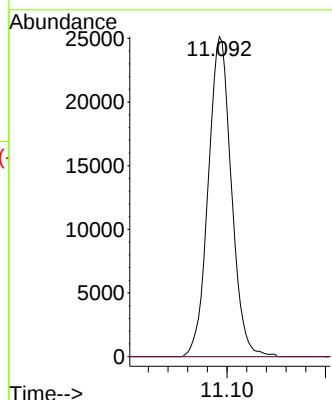
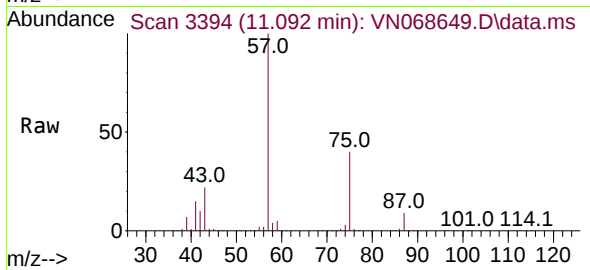




#57
1,3-Dichloropropane
Concen: 4.213 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

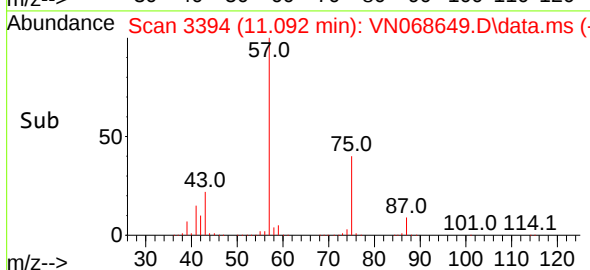
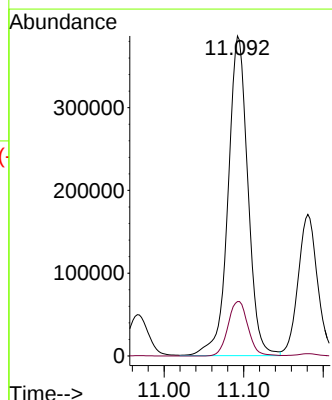
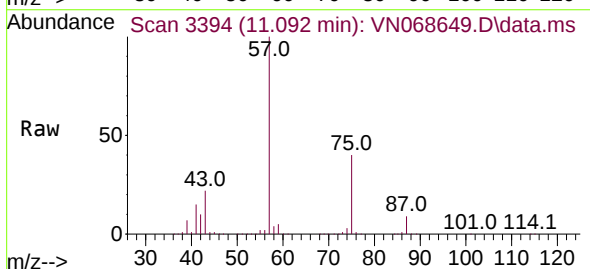
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

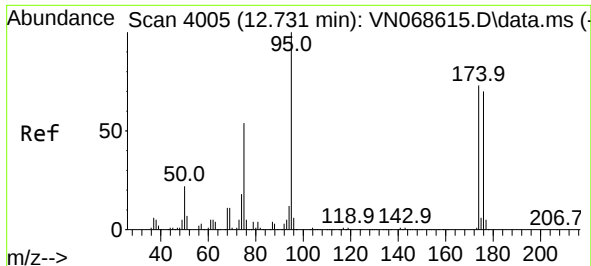
Tgt Ion: 76 Resp: 41173
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 102.097 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 43 Resp: 669462
Ion Ratio Lower Upper
43 100
58 17.2 24.7 74.1#

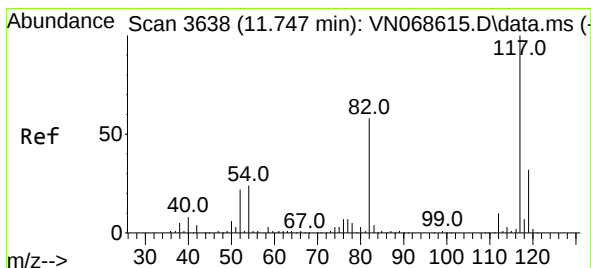
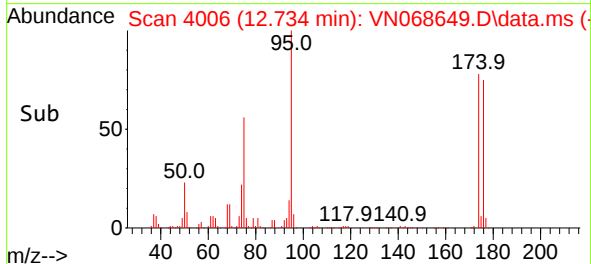
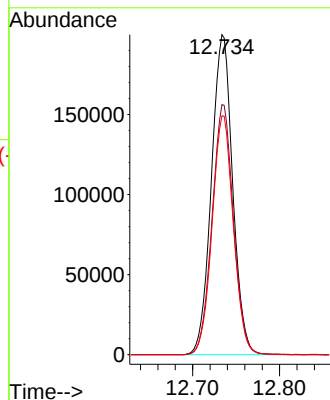
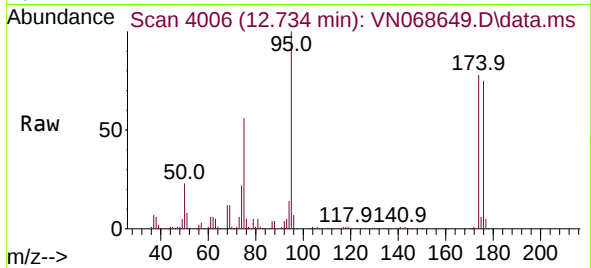




#62
4-Bromofluorobenzene
Concen: 45.443 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

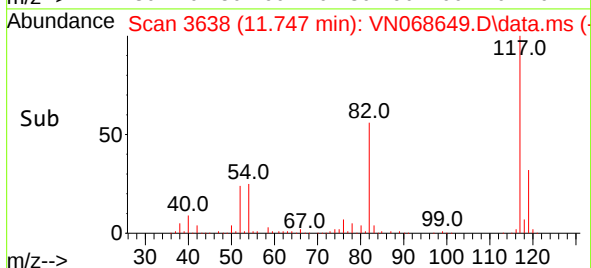
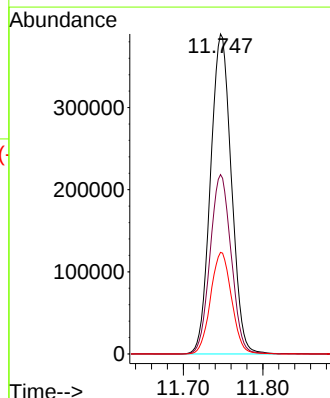
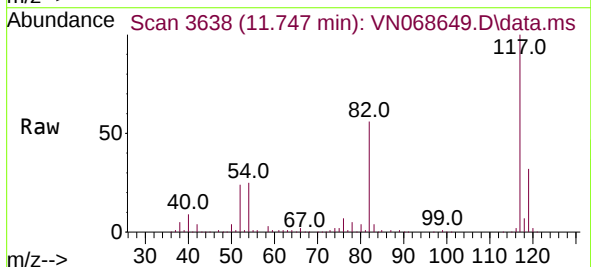
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

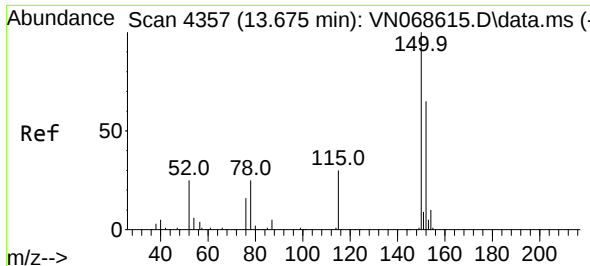
Tgt Ion: 95 Resp: 338823
Ion Ratio Lower Upper
95 100
174 78.8 0.0 122.0
176 74.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 117 Resp: 709304
Ion Ratio Lower Upper
117 100
82 56.0 53.1 79.7
119 31.8 25.5 38.3

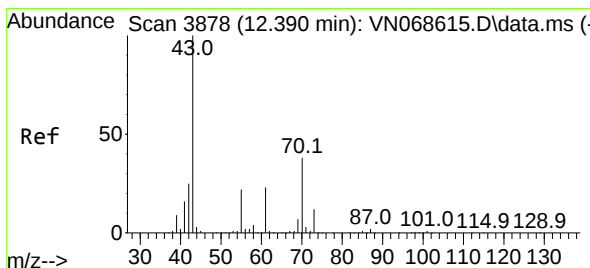
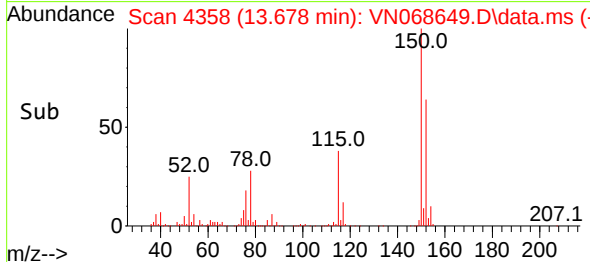
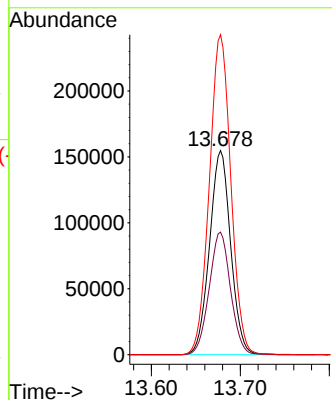
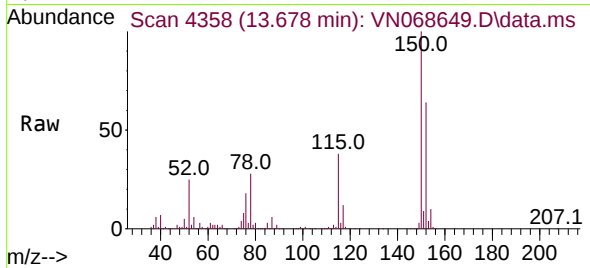




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

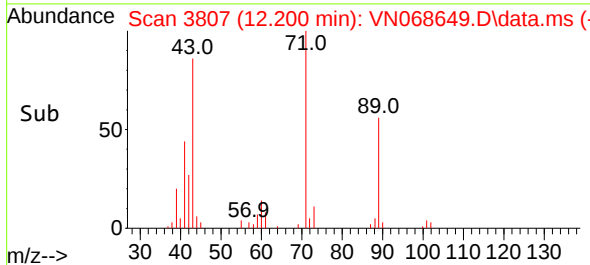
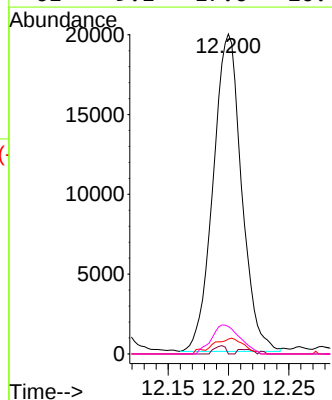
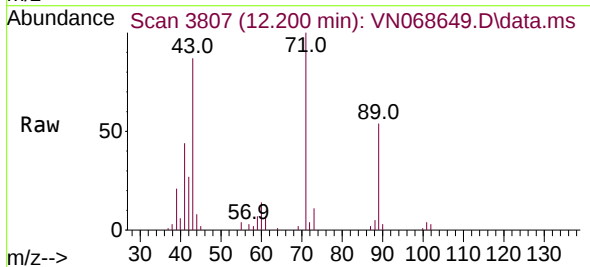
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

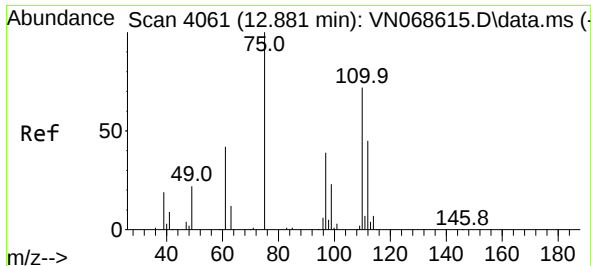
Tgt Ion:152 Resp: 255143
Ion Ratio Lower Upper
152 100
115 60.6 36.1 108.5
150 159.3 0.0 351.8



#74
N-ethyl acetate
Concen: 3.338 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Tgt Ion: 43 Resp: 32590
Ion Ratio Lower Upper
43 100
70 1.0 29.4 44.2#
55 4.9 17.0 25.4#
61 9.1 17.6 26.4#

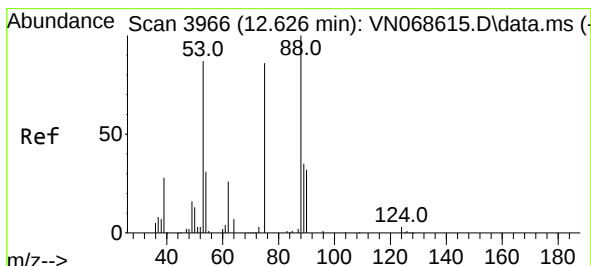
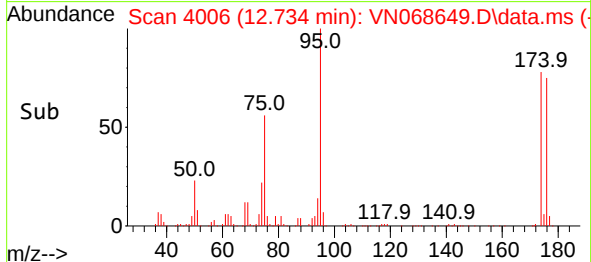
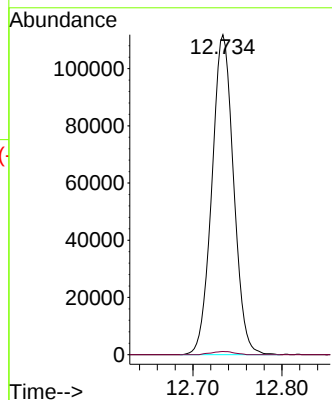
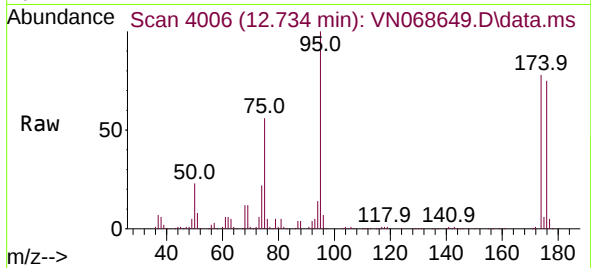




#76
1,2,3-Trichloropropane
Concen: 29.995 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

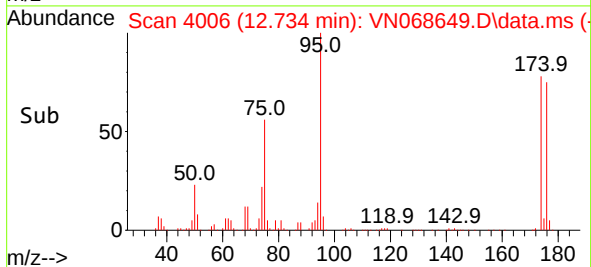
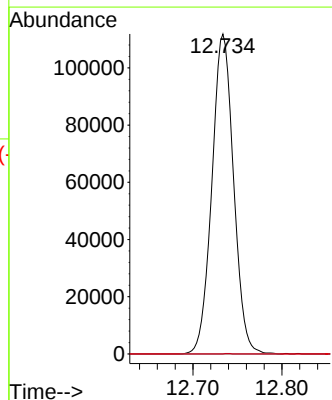
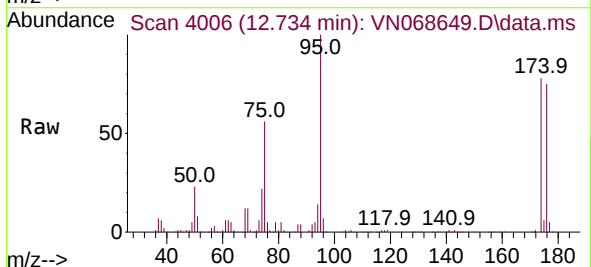
Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG

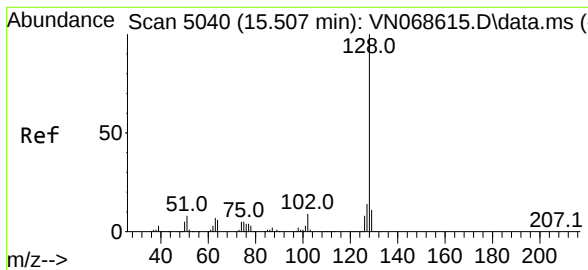
Tgt Ion: 75 Resp: 189228
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.729 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

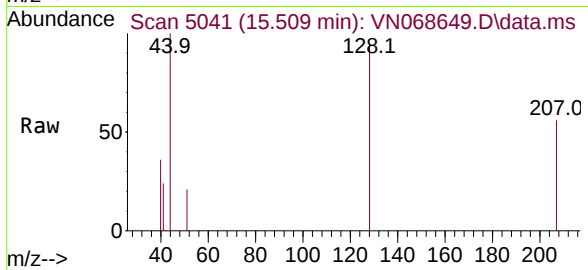
Tgt Ion: 75 Resp: 189228
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.722 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068649.D
Acq: 24 Sep 2021 19:33

Instrument :
MSVOA_N
ClientSampleId :
DKM-ENV-IG



Tgt Ion:128 Resp: 1595
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

