

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065127.D
 Acq On : 15 Dec 2020 2:34
 Operator : JC/MD
 Sample : L5085-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-32-6042-121120

Quant Time: Dec 15 06:44:54 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	209404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	363951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	360500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.319	152	142069	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.988	65	165243	68.64	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	137.28%
35) Dibromofluoromethane	7.550	113	134901	53.32	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.64%
50) Toluene-d8	10.058	98	467992	52.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.62%
62) 4-Bromofluorobenzene	12.376	95	154781	50.24	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.48%

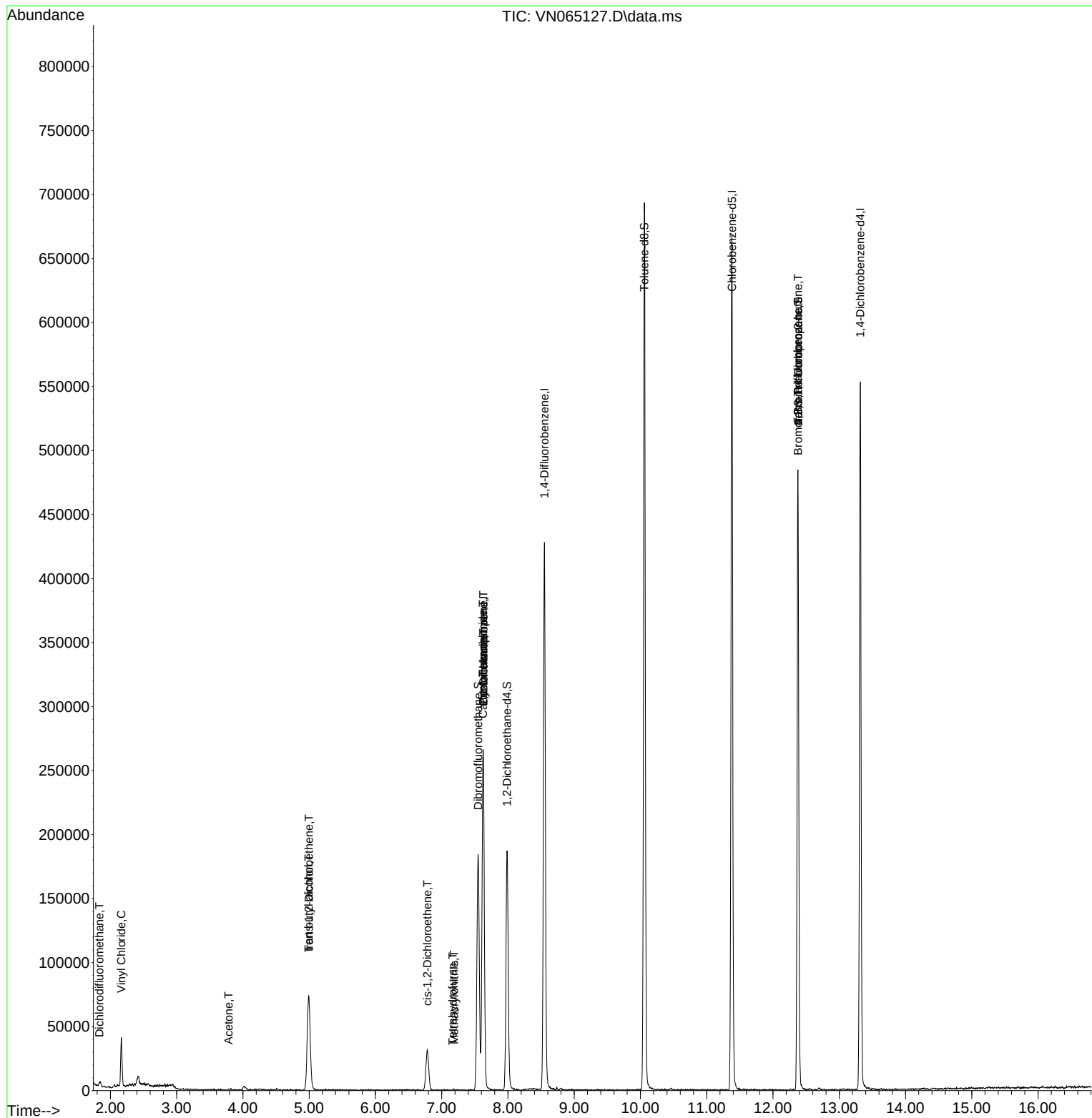
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.833	85	2116	1.02	ug/l	88
3) Chloromethane	2.033	50	169	Below Cal	#	41
4) Vinyl Chloride	2.165	62	31051	15.98	ug/l	99
5) Bromomethane	2.547	94	63	Below Cal	#	3
11) Tert butyl alcohol	4.991	59	2446	9.54	ug/l	73
16) Acetone	3.782	43	655	0.73	ug/l	43
20) Methylene Chloride	4.509	84	524	Below Cal	#	43
21) trans-1,2-Dichloroethene	4.994	96	47483	23.24	ug/l	93
27) cis-1,2-Dichloroethene	6.785	96	20035	8.78	ug/l	95
29) Tetrahydrofuran	7.168	42	529	0.75	ug/l	47
31) Cyclohexane	7.627	56	5249	1.61	ug/l	43
36) 1,1-Dichloropropene	7.627	75	16425	4.73	ug/l	51
38) Carbon Tetrachloride	7.621	117	22336	5.57	ug/l	16
41) Methacrylonitrile	7.187	41	329	0.23	ug/l	25
71) Bromoform	12.380	173	563	0.24	ug/l	1
76) 1,2,3-Trichloropropane	12.376	75	89522	35.12	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.376	75	89522	97.71	ug/l	15

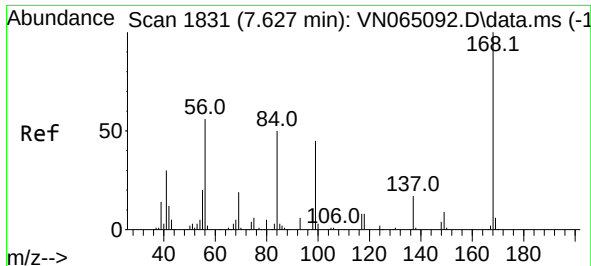
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TU032-32-6042-121120

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Quant Title : SW846 8260
QLast Update : Tue Dec 15 05:41:47 2020
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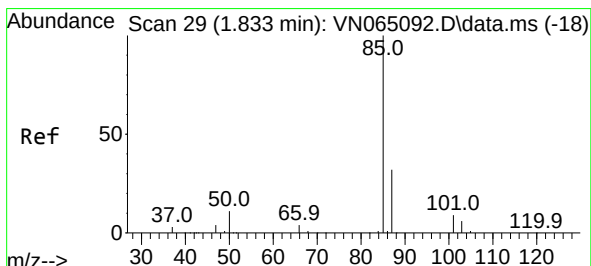
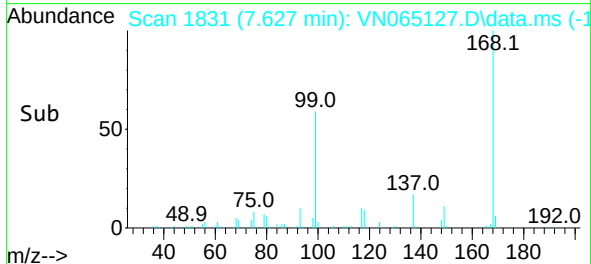
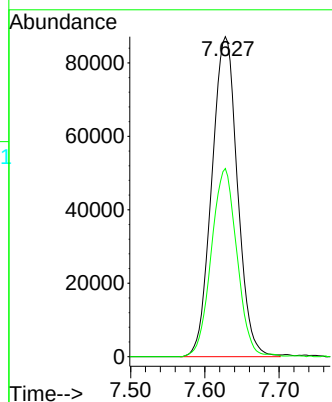
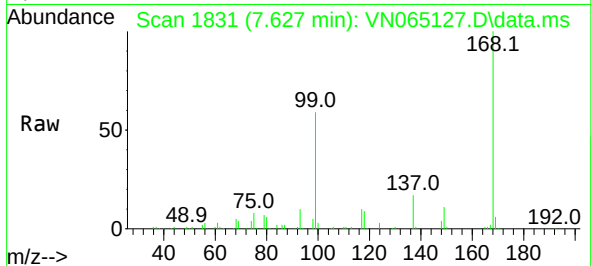




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

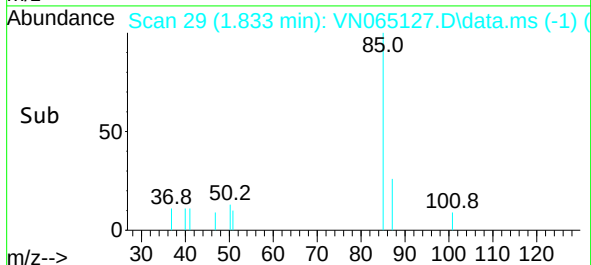
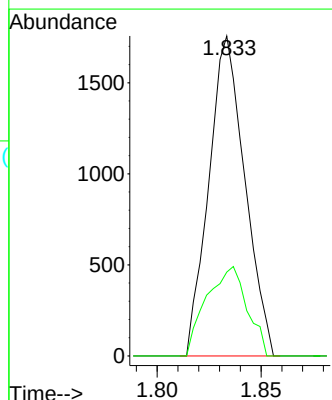
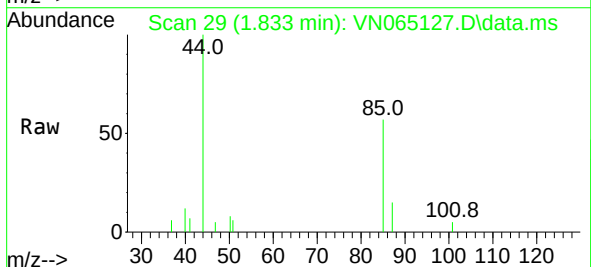
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

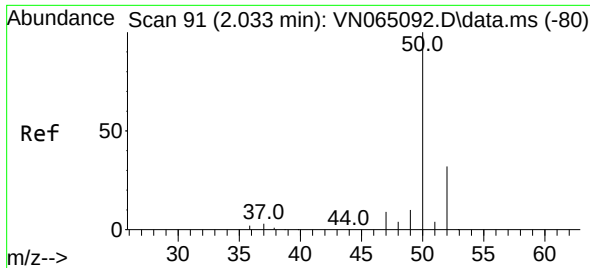
Tgt Ion:168 Resp: 209404
Ion Ratio Lower Upper
168 100
99 58.8 43.0 64.4



#2
Dichlorodifluoromethane
Concen: 1.02 ug/l
RT: 1.833 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 85 Resp: 2116
Ion Ratio Lower Upper
85 100
87 26.2 16.4 49.4

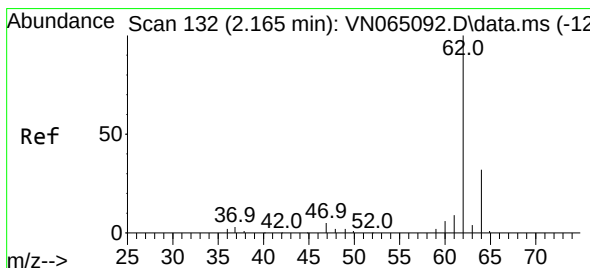
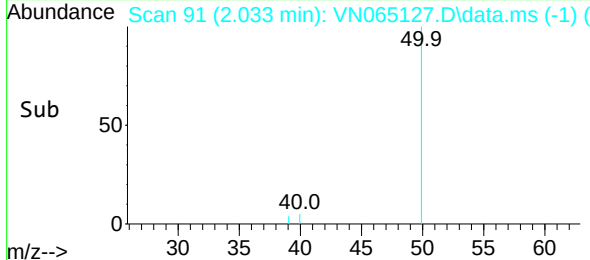
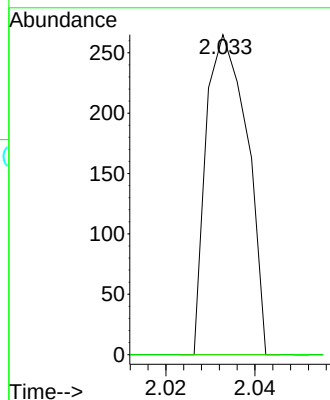
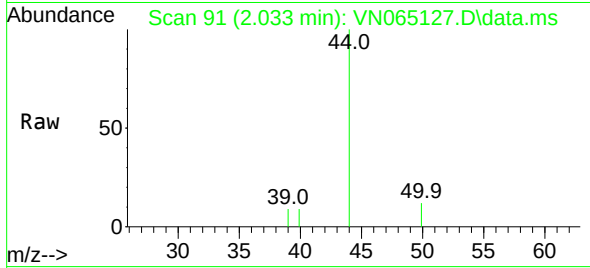




#3
Chloromethane
Concen: Below Cal
RT: 2.033 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

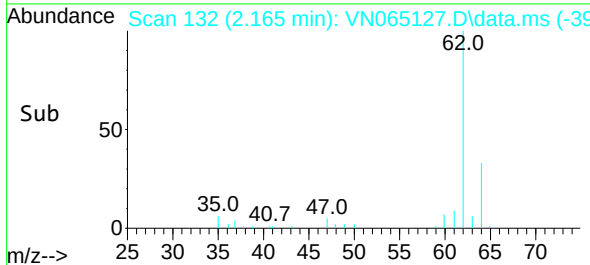
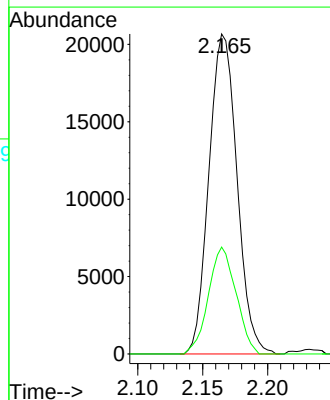
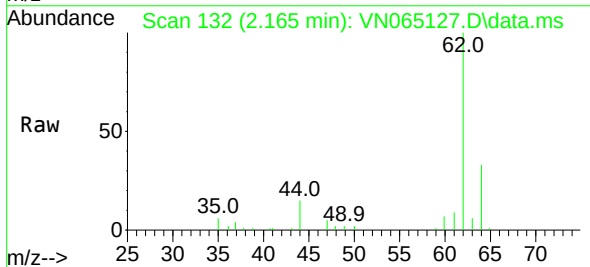
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

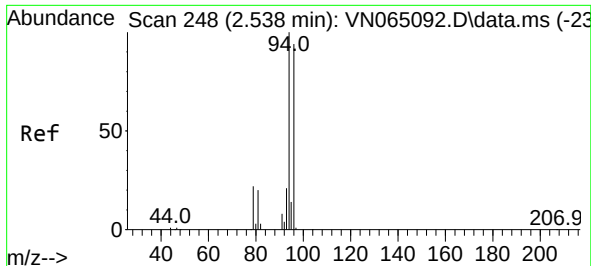
Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#



#4
Vinyl Chloride
Concen: 15.98 ug/l
RT: 2.165 min Scan# 132
Delta R.T. -0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 62 Resp: 31051
Ion Ratio Lower Upper
62 100
64 33.4 26.5 39.7

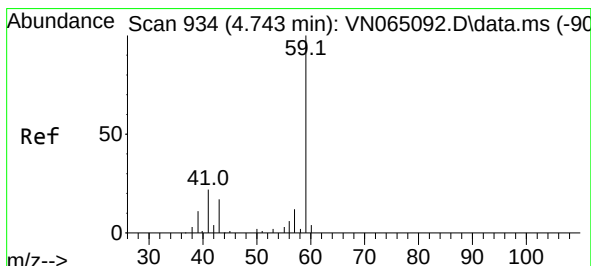
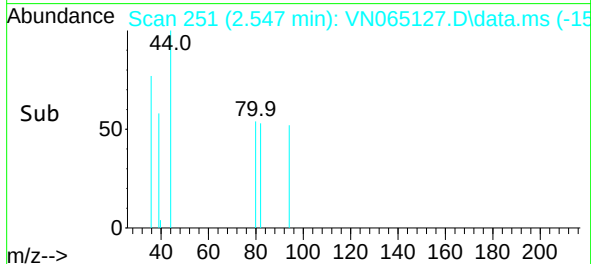
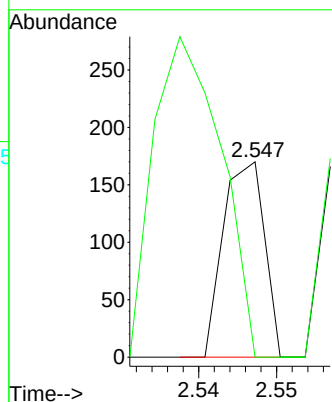
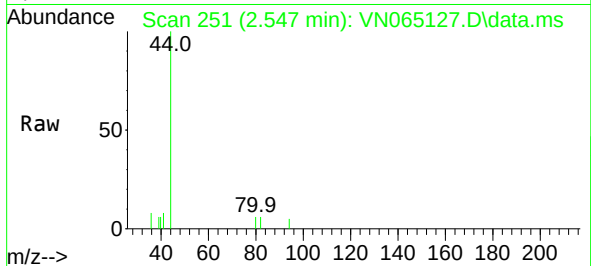




#5
Bromomethane
Concen: Below Cal
RT: 2.547 min Scan# 251
Delta R.T. 0.009 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

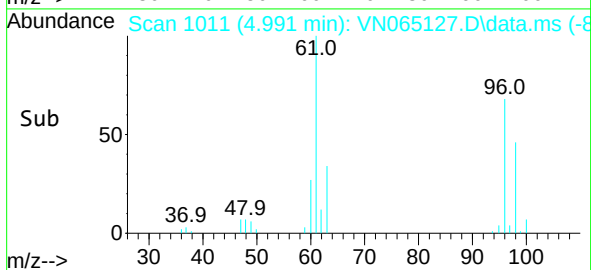
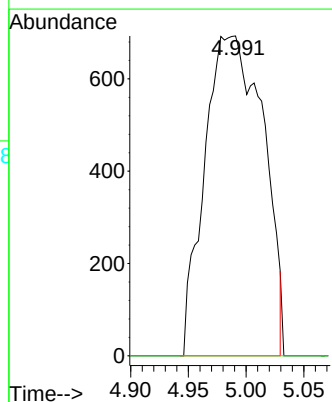
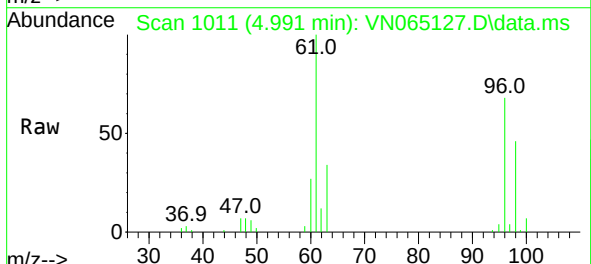
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

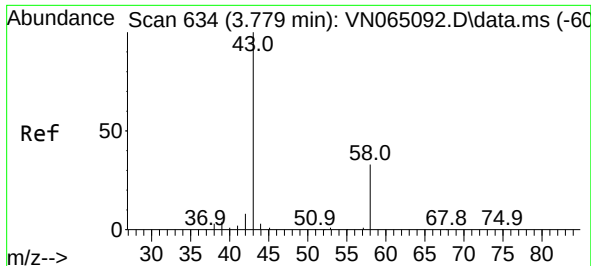
Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: 9.54 ug/l
RT: 4.991 min Scan# 1011
Delta R.T. 0.248 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 59 Resp: 2446
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

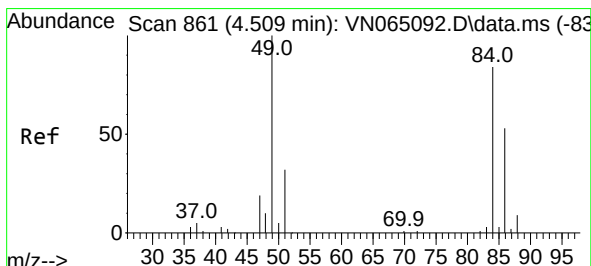
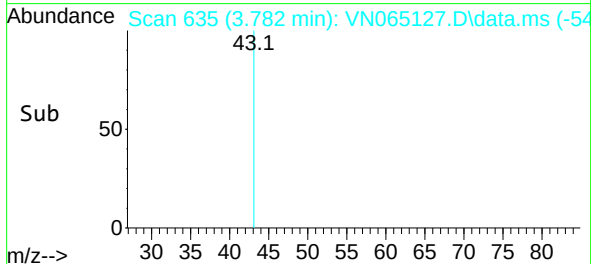
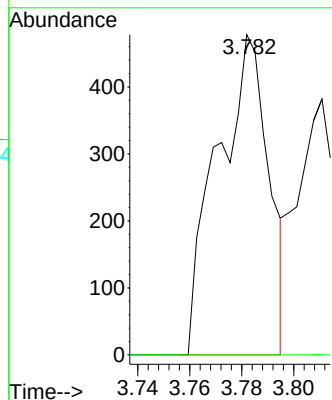
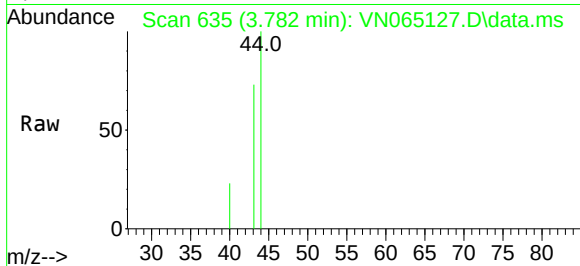




#16
Acetone
Concen: 0.73 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.003 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

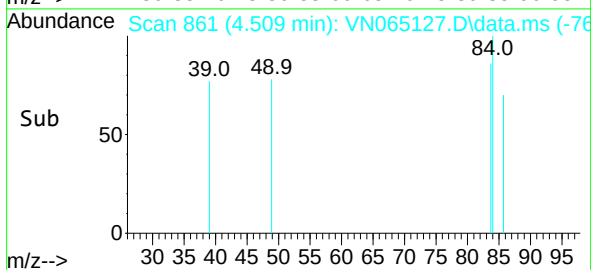
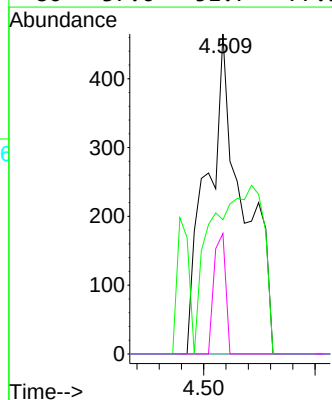
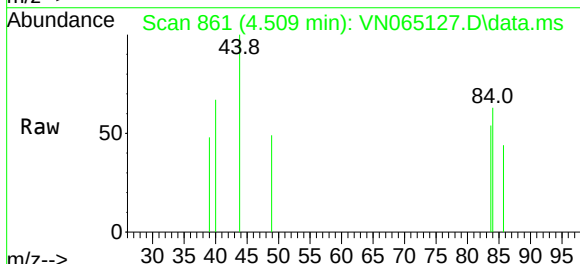
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

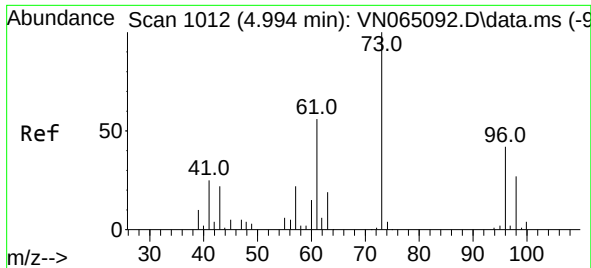
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.509 min Scan# 861
Delta R.T. -0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 84 Resp: 524
Ion Ratio Lower Upper
84 100
49 41.9 93.4 140.0#
51 0.0 28.2 42.4#
86 37.6 51.7 77.5#

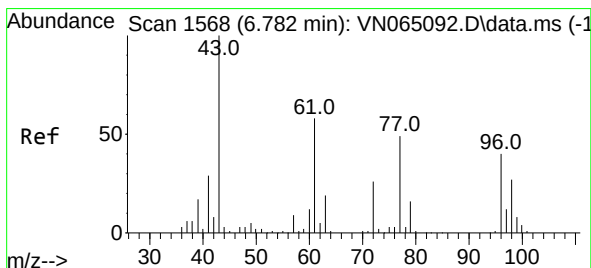
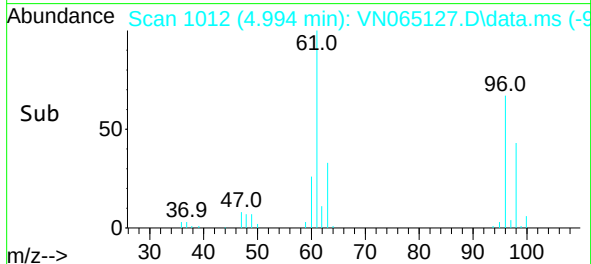
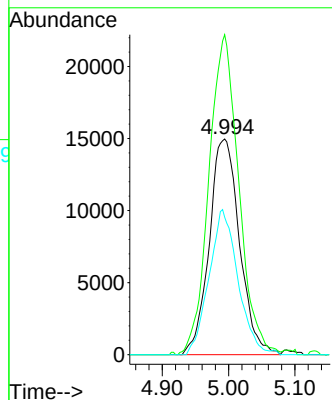
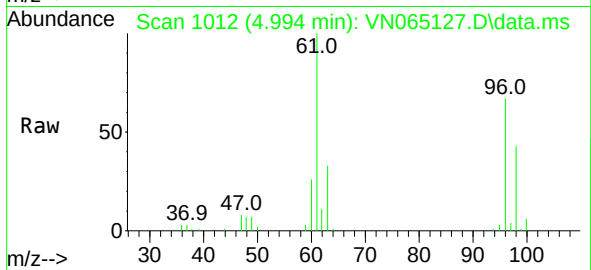




#21
trans-1,2-Dichloroethene
Concen: 23.24 ug/l
RT: 4.994 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

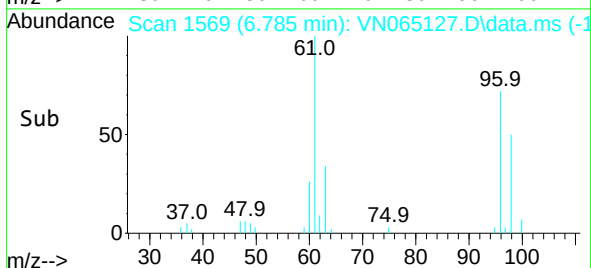
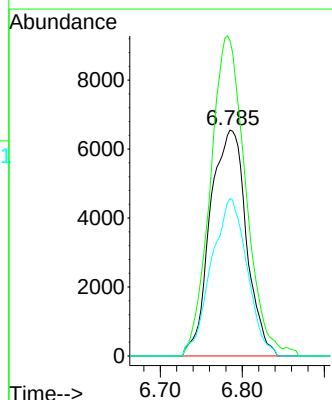
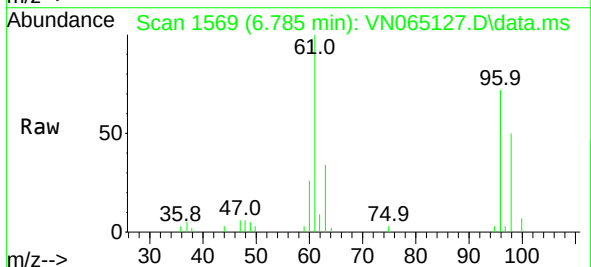
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

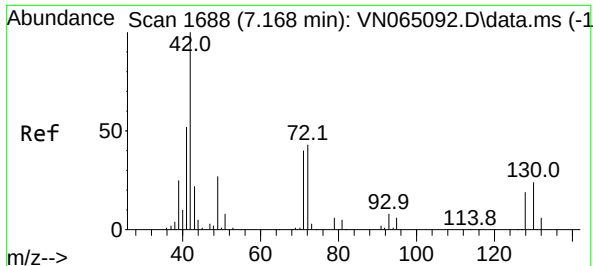
Tgt Ion: 96 Resp: 47483
Ion Ratio Lower Upper
96 100
61 147.3 108.4 162.6
98 63.7 51.3 76.9



#27
cis-1,2-Dichloroethene
Concen: 8.78 ug/l
RT: 6.785 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 96 Resp: 20035
Ion Ratio Lower Upper
96 100
61 137.4 0.0 285.8
98 69.2 0.0 130.6





#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 7.168 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VN065127.D

Acq: 15 Dec 2020 2:34

Tgt Ion: 42 Resp: 529

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

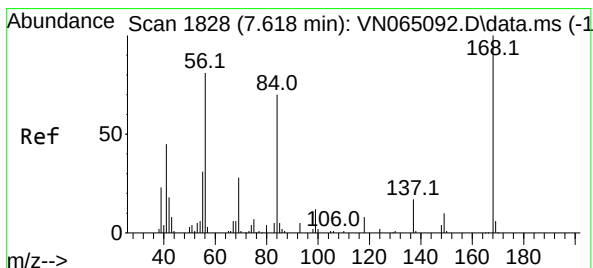
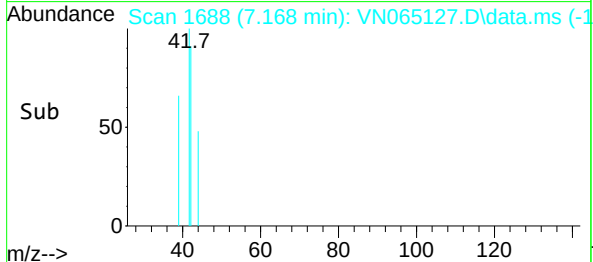
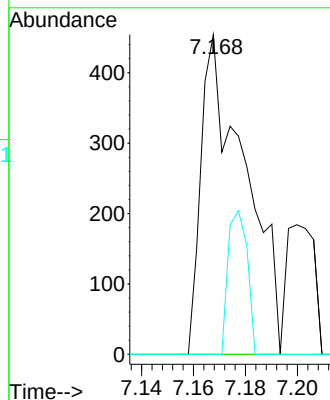
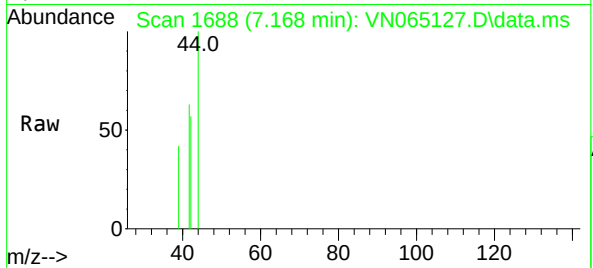
71 19.8 33.6 50.4#

Instrument :

MSVOA_N

ClientSampleId :

TU032-32-6042-121120



#31

Cyclohexane

Concen: 1.61 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.009 min

Lab File: VN065127.D

Acq: 15 Dec 2020 2:34

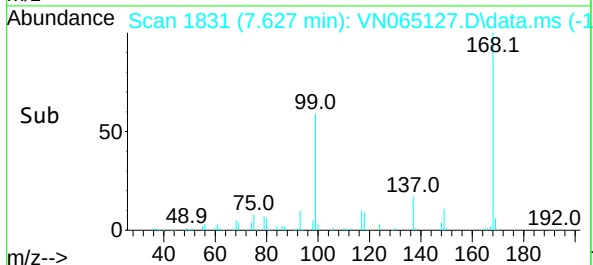
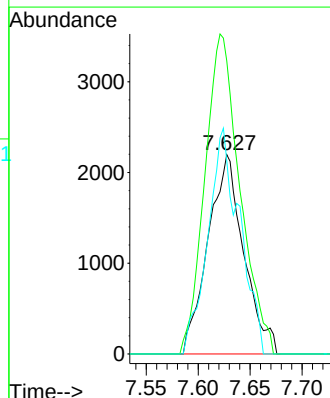
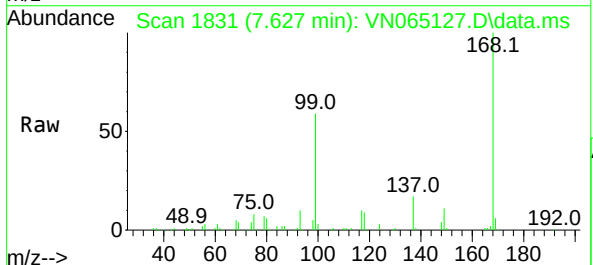
Tgt Ion: 56 Resp: 5249

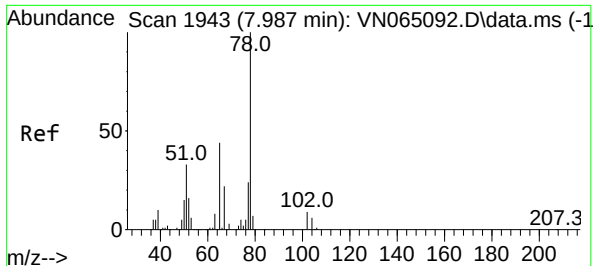
Ion Ratio Lower Upper

56 100

69 147.1 27.5 41.3#

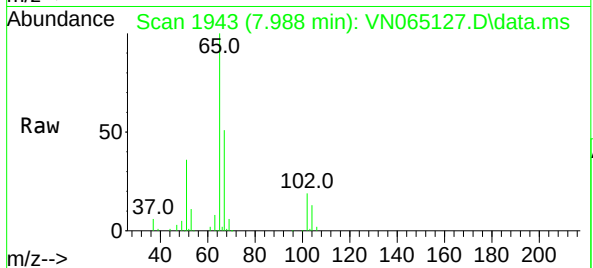
84 97.0 73.9 110.9



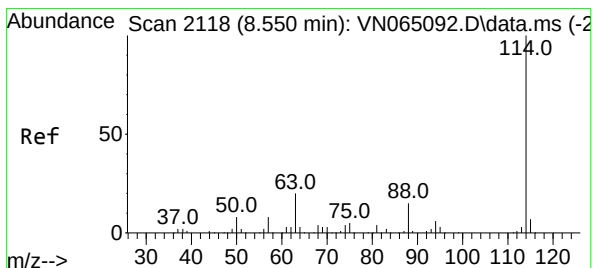
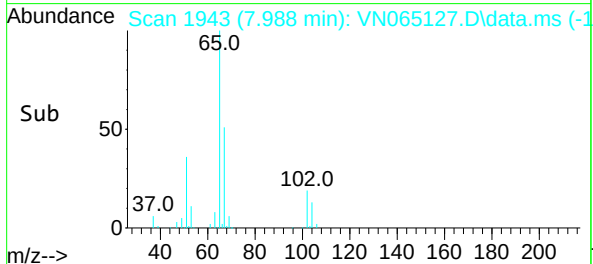
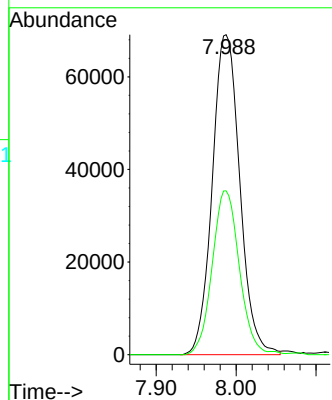


#33
 1,2-Dichloroethane-d4
 Concen: 68.64 ug/l
 RT: 7.988 min Scan# 1943
 Delta R.T. 0.001 min
 Lab File: VN065127.D
 Acq: 15 Dec 2020 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-32-6042-121120

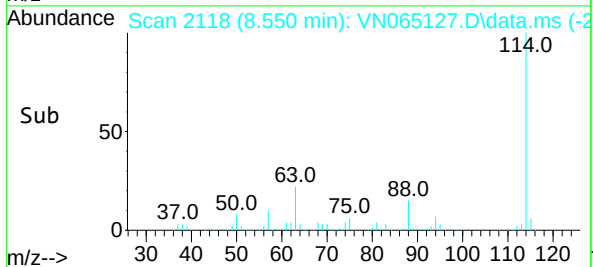
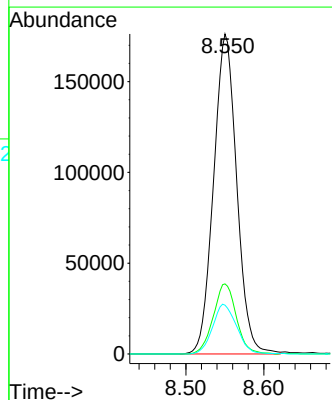
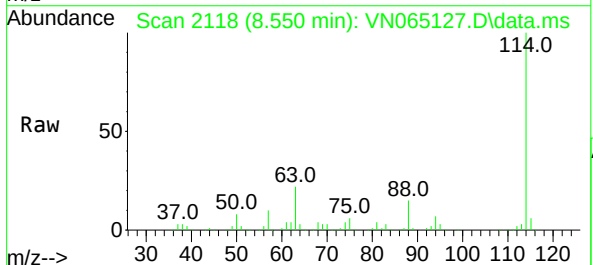


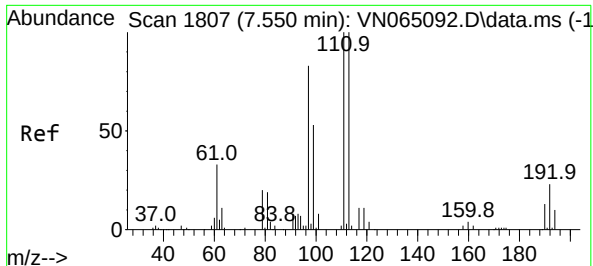
Tgt Ion: 65 Resp: 165243
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.550 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: VN065127.D
 Acq: 15 Dec 2020 2:34

Tgt Ion: 114 Resp: 363951
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 38.6
 88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.32 ug/l

RT: 7.550 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN065127.D

Acq: 15 Dec 2020 2:34

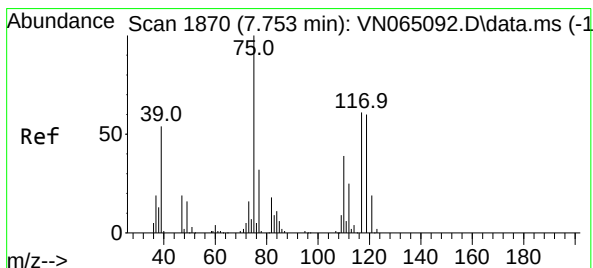
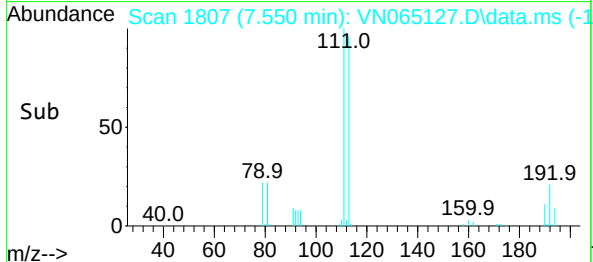
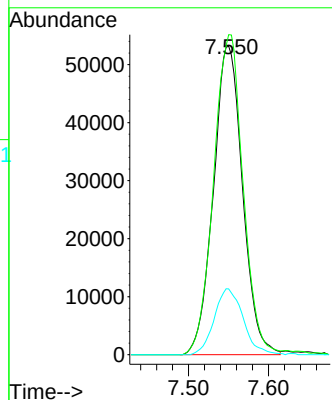
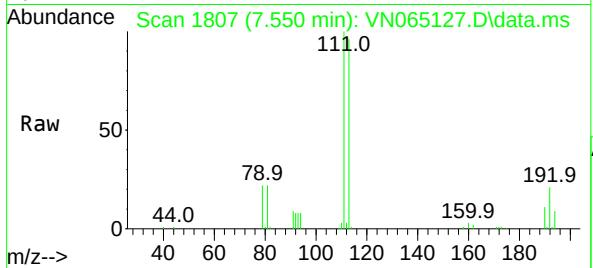
Tgt Ion:113 Resp: 134901

Ion Ratio Lower Upper

113 100

111 104.2 81.6 122.4

192 21.2 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065127.D

Acq: 15 Dec 2020 2:34

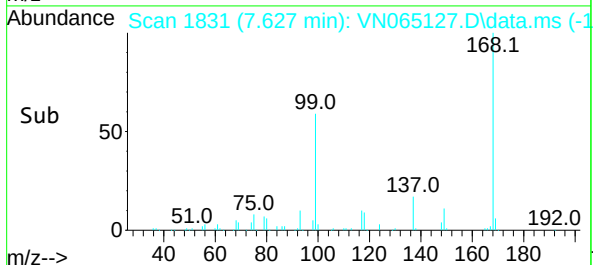
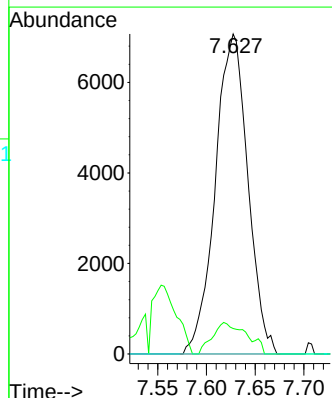
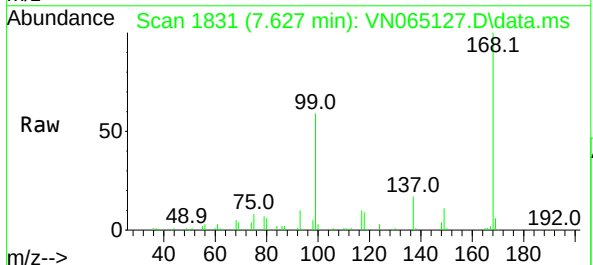
Tgt Ion: 75 Resp: 16425

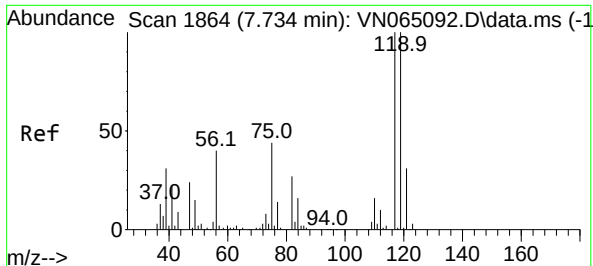
Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.3#

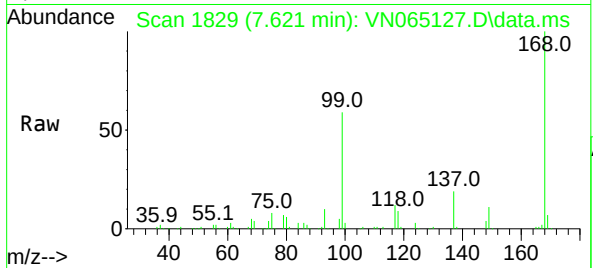
77 0.0 25.0 37.4#



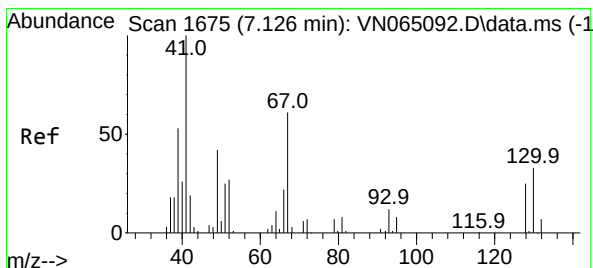
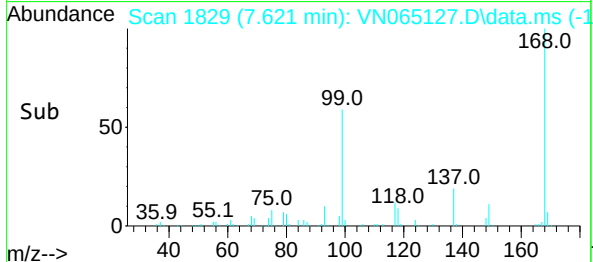
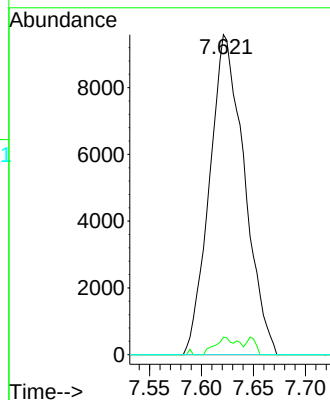


#38
Carbon Tetrachloride
Concen: 5.57 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.113 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

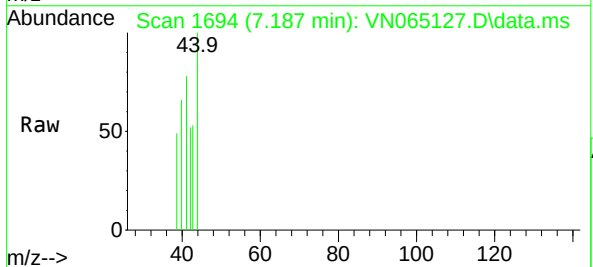
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120



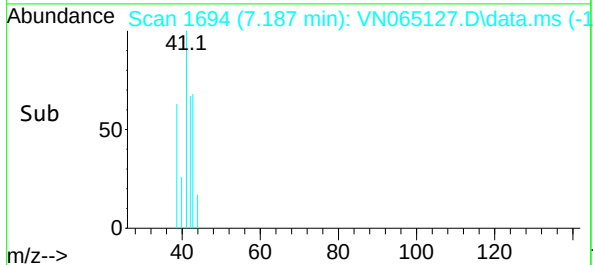
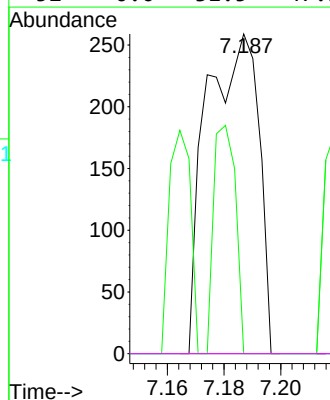
Tgt Ion:117 Resp: 22336
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#

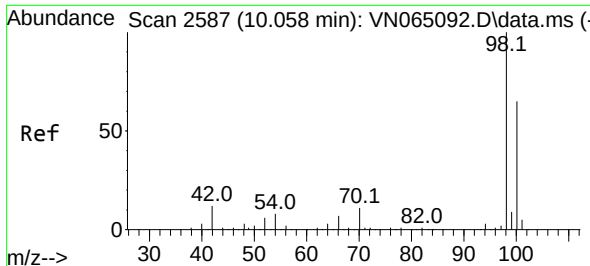


#41
Methacrylonitrile
Concen: 0.23 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.061 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34



Tgt Ion: 41 Resp: 329
Ion Ratio Lower Upper
41 100
39 30.1 51.0 76.6#
67 0.0 79.8 119.8#
52 0.0 31.5 47.3#

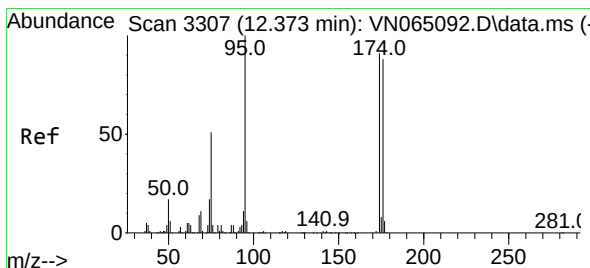
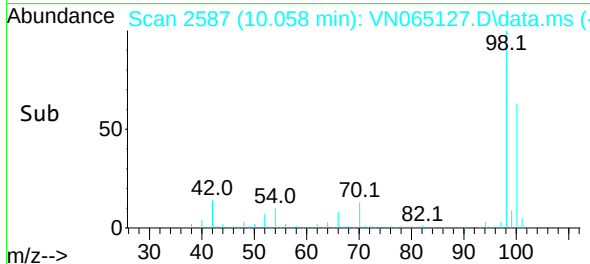
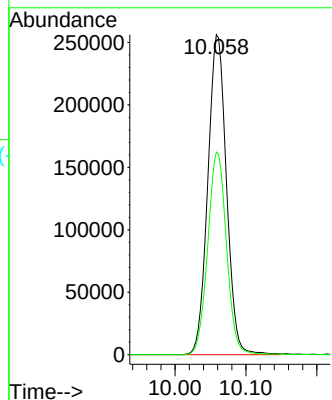
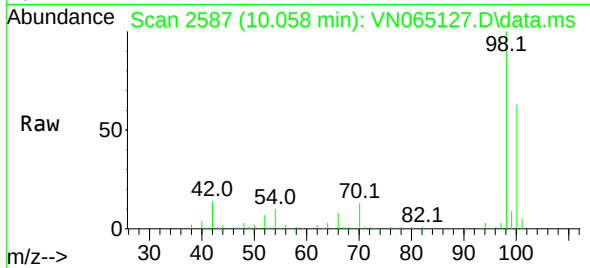




#50
Toluene-d8
Concen: 52.31 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

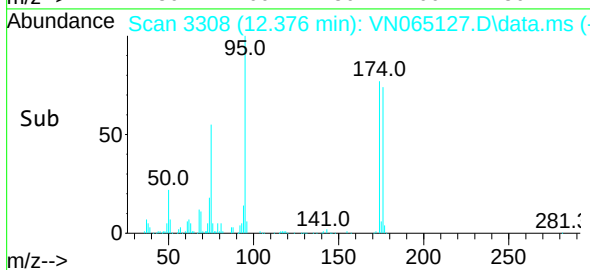
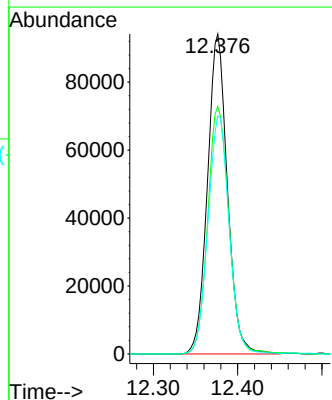
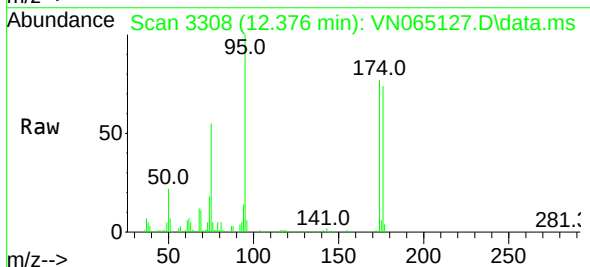
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

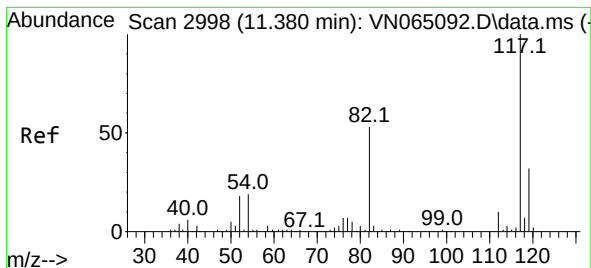
Tgt Ion: 98 Resp: 467992
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 50.24 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion: 95 Resp: 154781
Ion Ratio Lower Upper
95 100
174 82.7 0.0 160.4
176 78.9 0.0 158.4

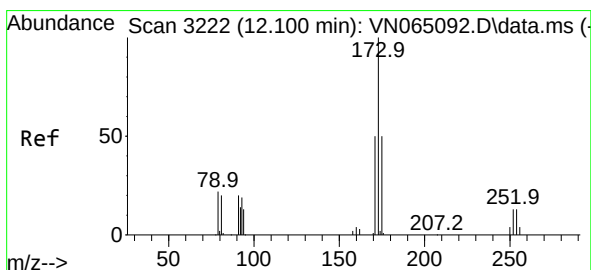
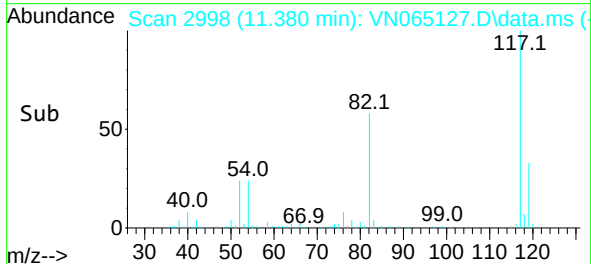
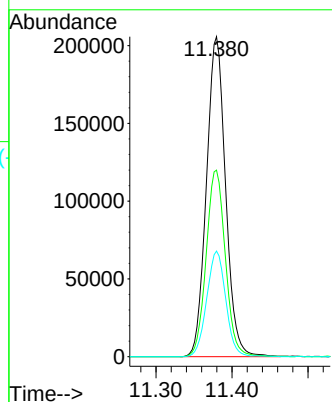
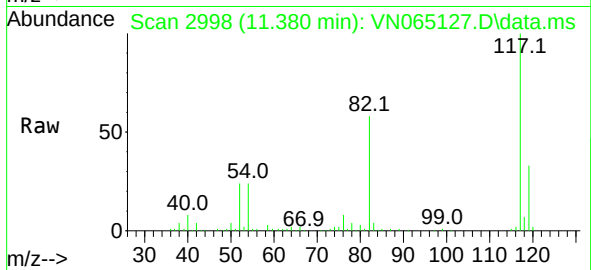




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

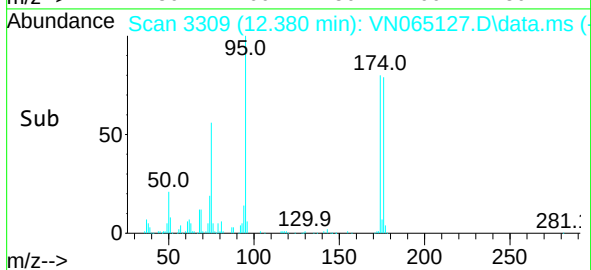
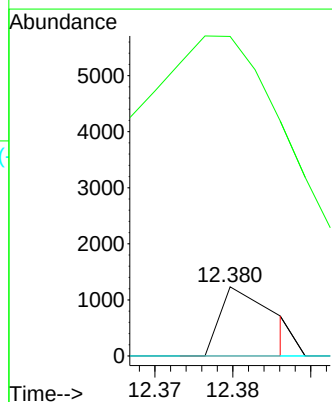
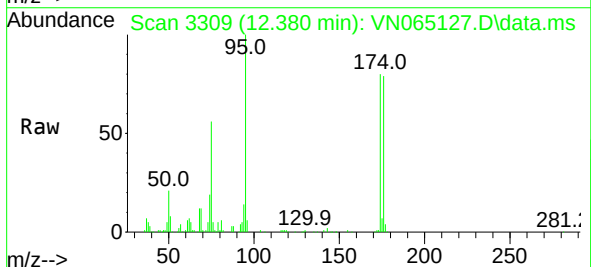
Instrument :
MSVOA_N
ClientSampleId :
TU032-32-6042-121120

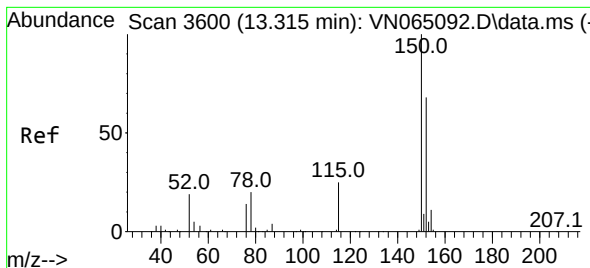
Tgt Ion:117 Resp: 360500
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 33.0 25.8 38.6



#71
Bromoform
Concen: 0.24 ug/l
RT: 12.380 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065127.D
Acq: 15 Dec 2020 2:34

Tgt Ion:173 Resp: 563
Ion Ratio Lower Upper
173 100
175 1475.8 24.3 72.8#
254 0.0 0.0 0.0

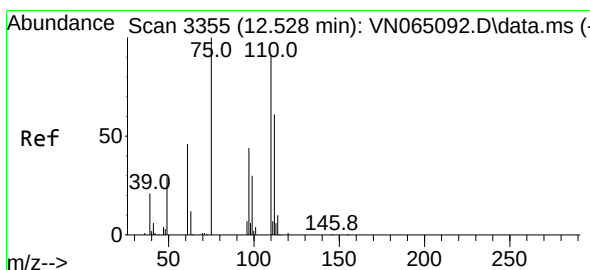
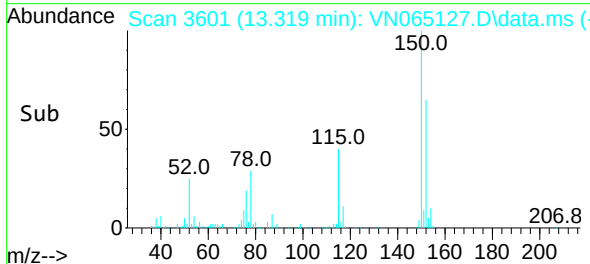
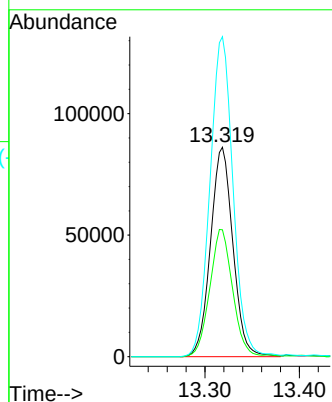
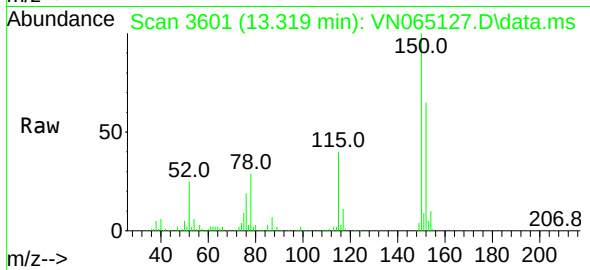




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.319 min Scan# 3601
 Delta R.T. 0.004 min
 Lab File: VN065127.D
 Acq: 15 Dec 2020 2:34

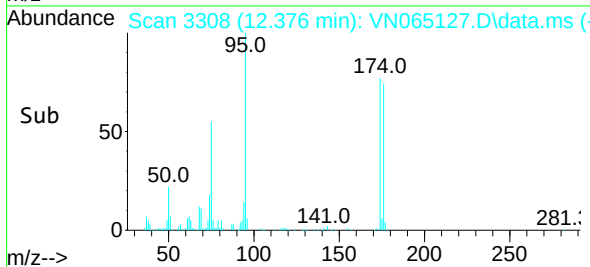
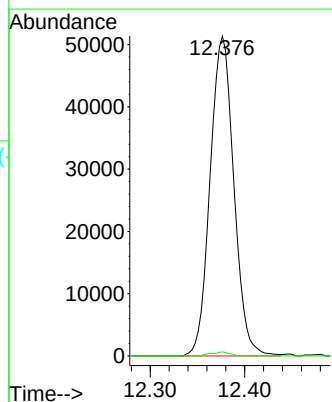
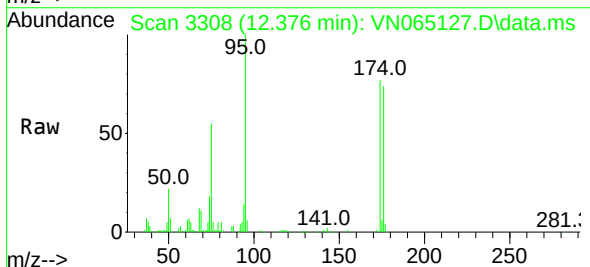
Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-32-6042-121120

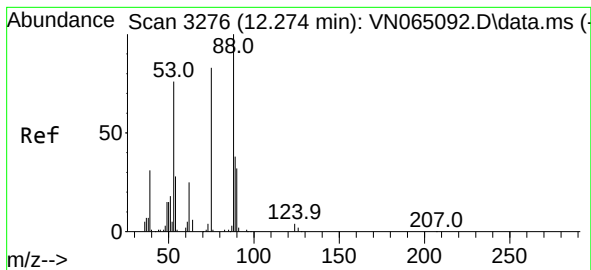
Tgt Ion:152 Resp: 142069
 Ion Ratio Lower Upper
 152 100
 115 61.5 29.7 89.1
 150 156.7 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 35.12 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.152 min
 Lab File: VN065127.D
 Acq: 15 Dec 2020 2:34

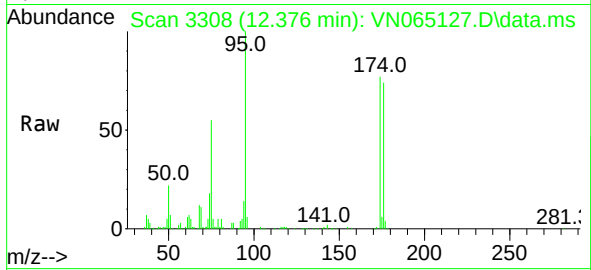
Tgt Ion: 75 Resp: 89522
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.71 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.102 min
 Lab File: VN065127.D
 Acq: 15 Dec 2020 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TU032-32-6042-121120



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.0	100.4#
89	0.0	39.6	59.4#

