

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055138.D
 Acq On : 19 Apr 2019 13:31
 Operator : JC/SP
 Sample : K2479-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-TRACK-78-79

Quant Time: Apr 20 03:39:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	72947	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	375026	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	295409	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170270	30.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.07%
60) 4-Bromofluorobenzene	12.40	95	99446	21.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	72.07%
63) Toluene-d8	10.09	98	443889	31.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.37%

Target Compounds

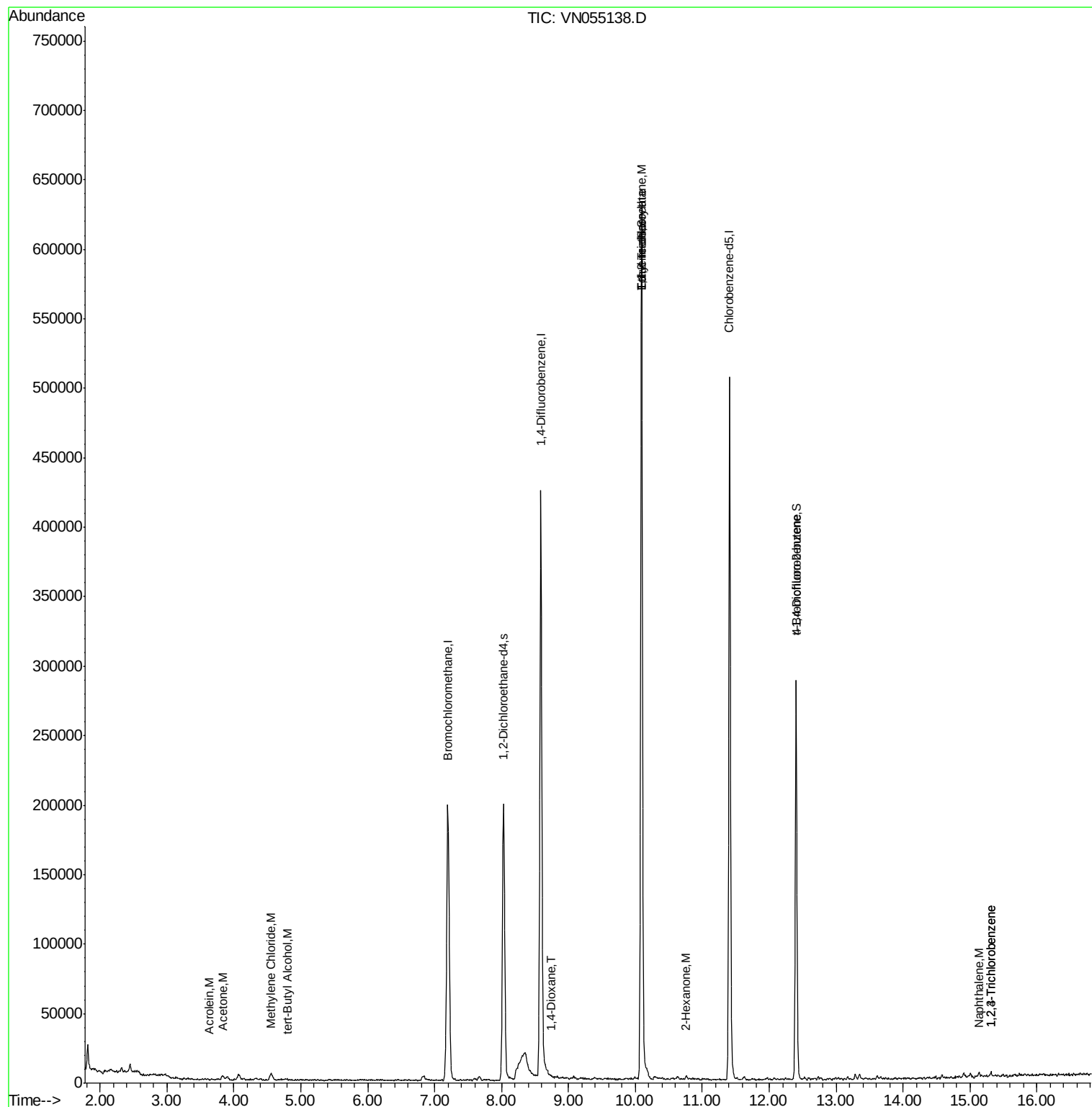
					Ovalue
13) Acrolein	3.63	56	174	0.499 ug/l #	57
15) Acetone	3.83	58	778	1.928 ug/l #	40
18) Methylene Chloride	4.55	84	2149	0.449 ug/l #	83
23) tert-Butyl Alcohol	4.79	59	130	0.500 ug/l #	100
45) 1,4-Dioxane	8.74	88	171	4.611 ug/l #	38
50) 1,1,2-Trichloroethane	10.10	97	13935	3.798 ug/l #	1
51) Ethyl methacrylate	10.10	69	1484	0.339 ug/l	91
59) 2-Hexanone	10.76	43	1263	0.584 ug/l #	72
77) t-1,4-Dichloro-2-butene	12.40	75	51253	62.819 ug/l #	1
89) 1,2,4-Trichlorobenzene	15.32	180	1110	0.374 ug/l	88
91) Naphthalene	15.14	128	3263	0.525 ug/l #	92
92) 1,2,3-Trichlorobenzene	15.32	180	1110	0.374 ug/l	91

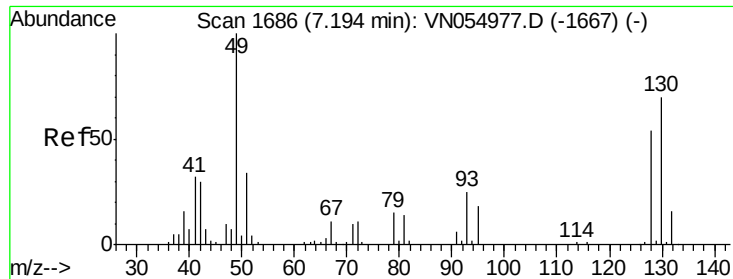
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 03:39:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

TP-TRACK-78-79

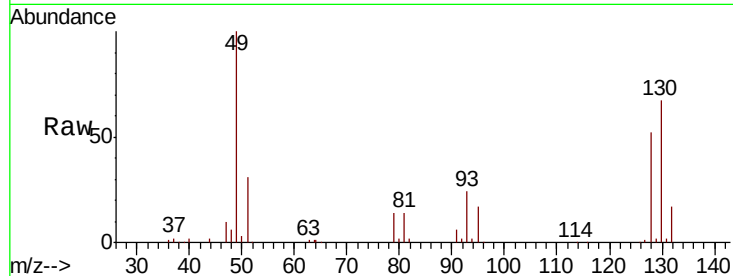
Tot Ion:128 Resp: 72947

Ion Ratio Lower Upper

128 100

49 192.3 0.0 480.3

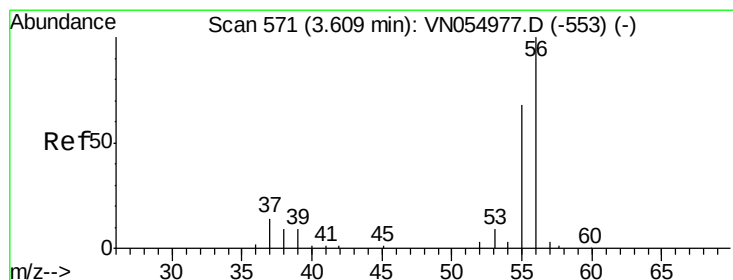
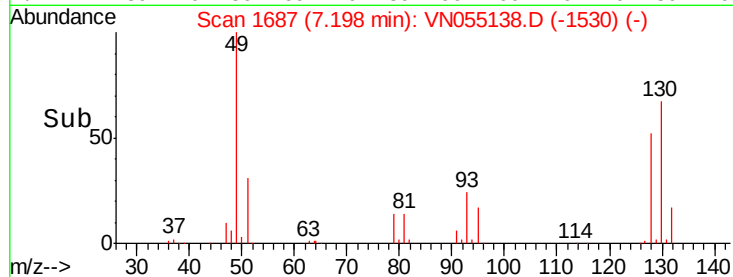
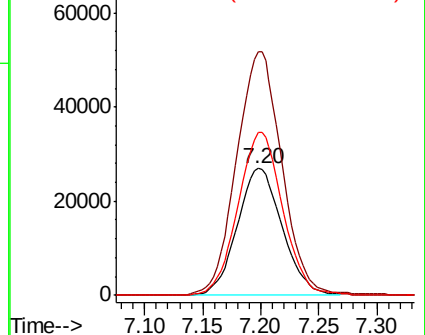
130 127.6 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.499 ug/l

RT: 3.63 min Scan# 579

Delta R.T. 0.03 min

Lab File: VN055138.D

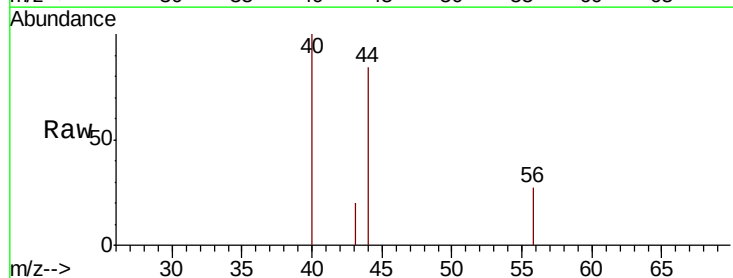
Acq: 19 Apr 2019 13:31

Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

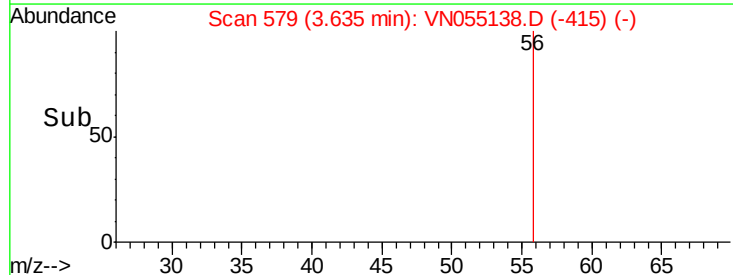
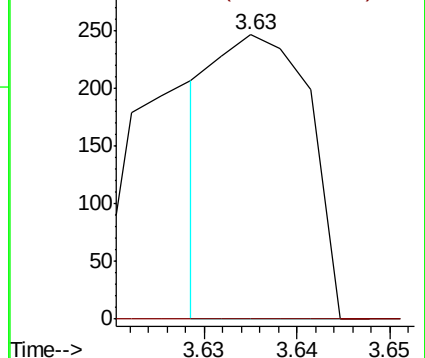
56 100

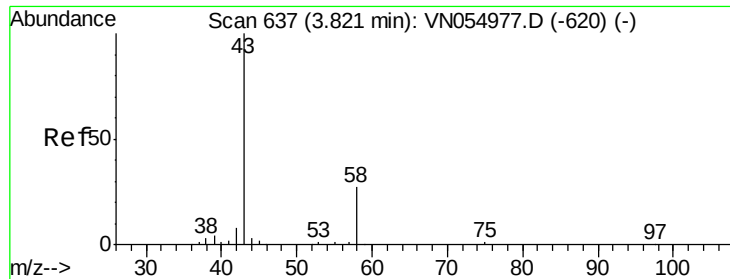
55 35.6 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 1.928 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

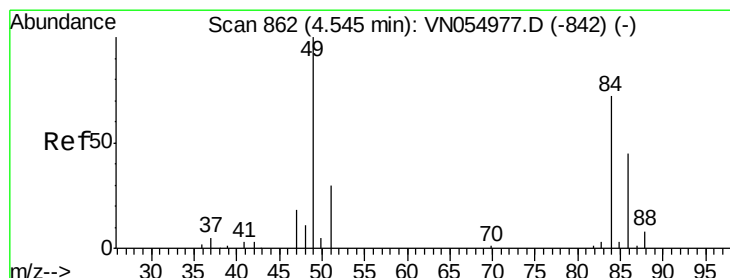
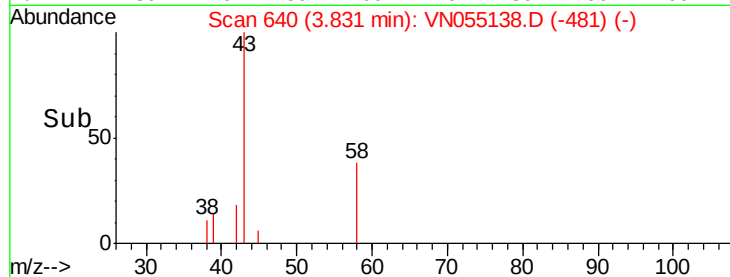
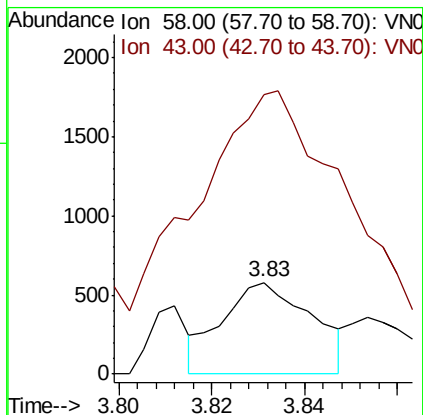
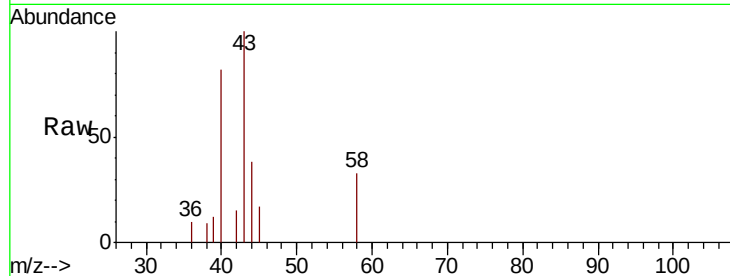
TP-TRACK-78-79

Tot Ion: 58 Resp: 778

Ion Ratio Lower Upper

58 100

43 236.2 297.2 445.8#



#18

Methylene Chloride

Concen: 0.449 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

Tgt Ion: 84 Resp: 2149

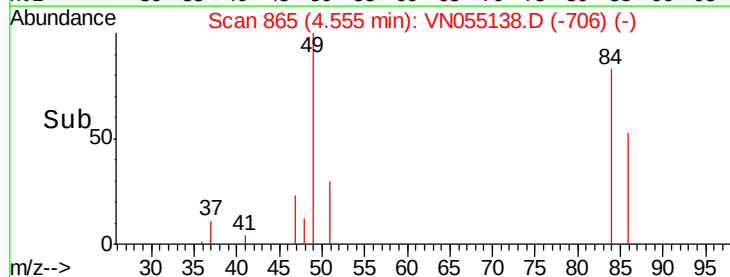
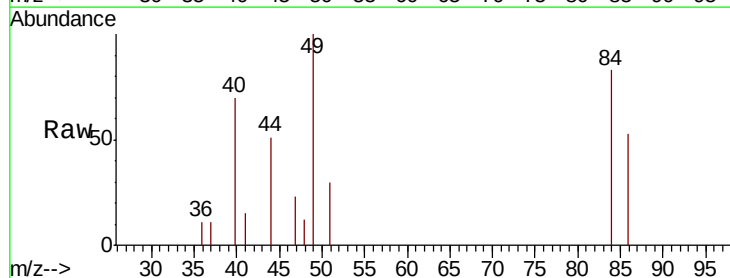
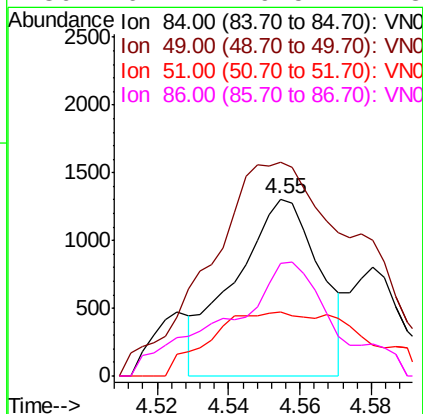
Ion Ratio Lower Upper

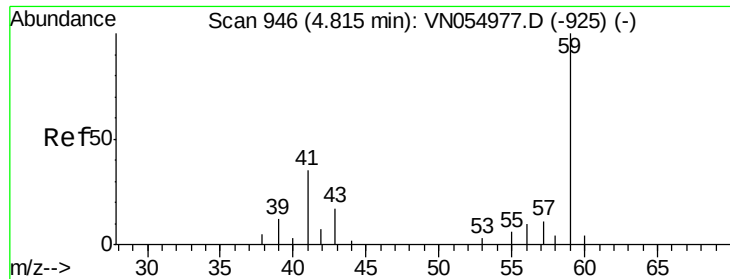
84 100

49 107.8 111.0 166.4#

51 33.5 33.4 50.2

86 62.1 49.5 74.3

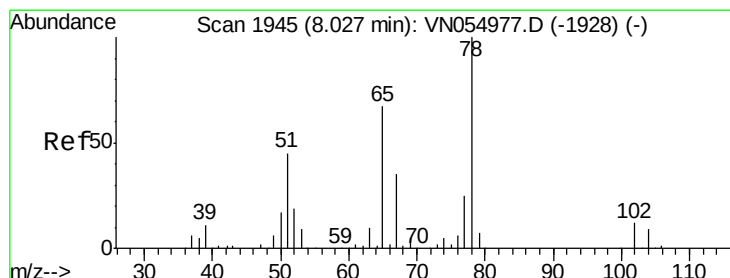
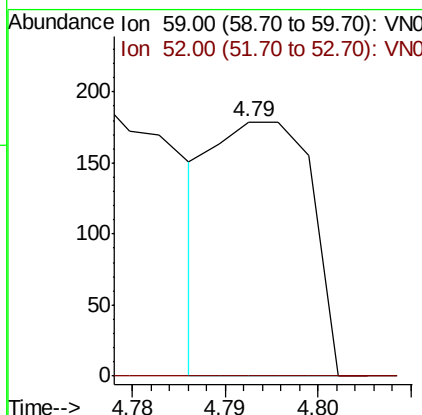
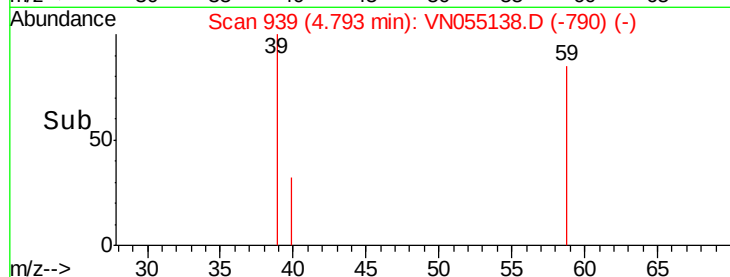
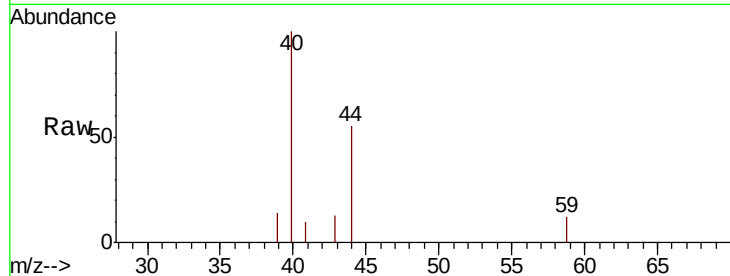




#23
 tert-Butyl Alcohol
 Concen: 0.500 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.02 min
 Lab File: VN055138.D
 Acq: 19 Apr 2019 13:31

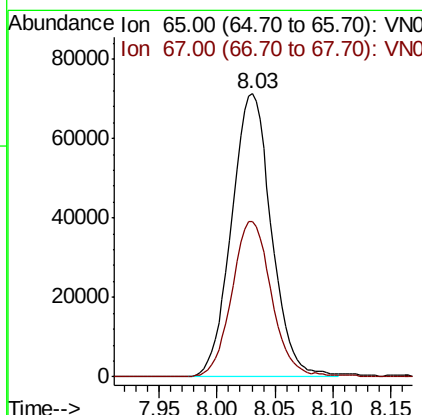
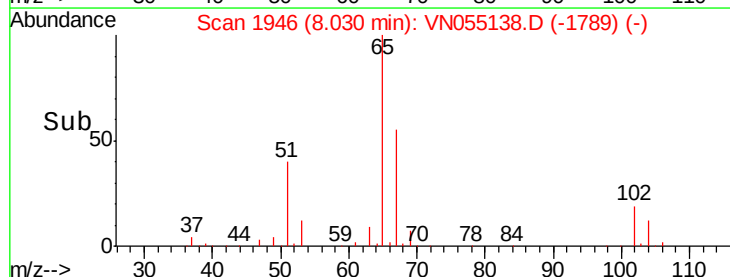
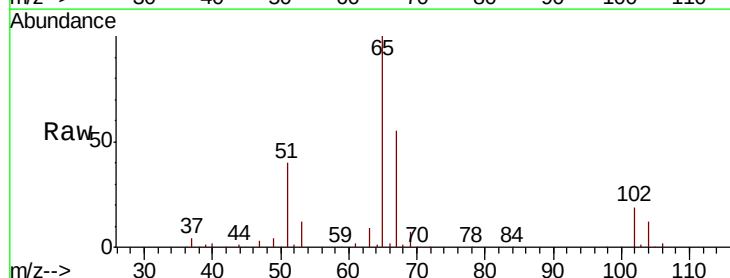
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-TRACK-78-79

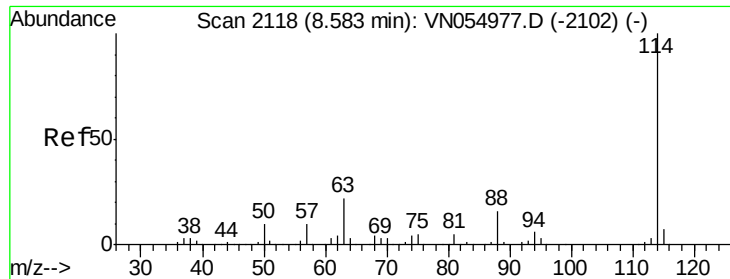
Tot Ion: 59 Resp: 130
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055138.D
 Acq: 19 Apr 2019 13:31

Tgt Ion: 65 Resp: 170270
 Ion Ratio Lower Upper
 65 100
 67 54.0 41.8 62.8

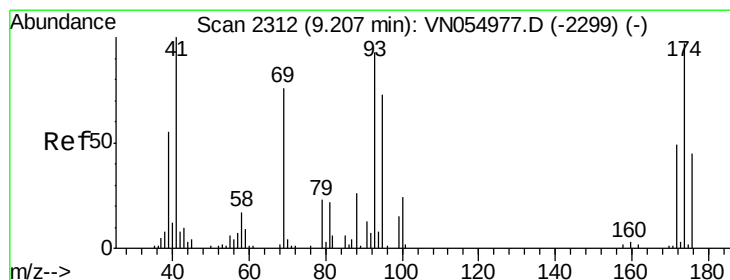
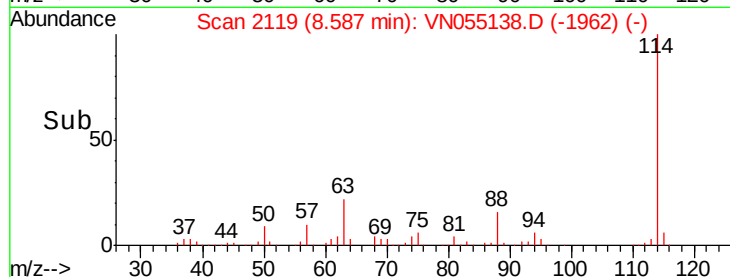
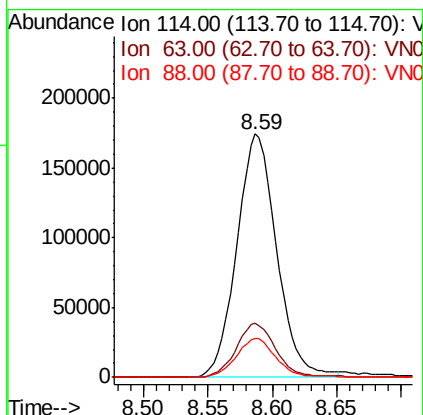
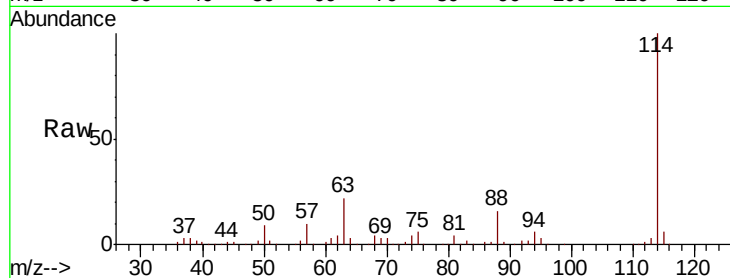




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055138.D
 Acq: 19 Apr 2019 13:31

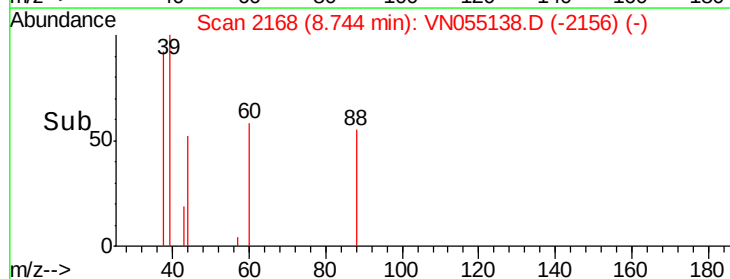
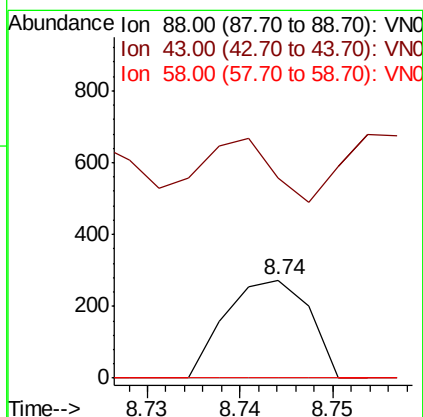
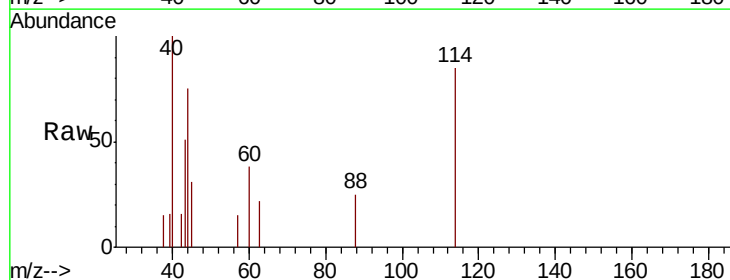
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-TRACK-78-79

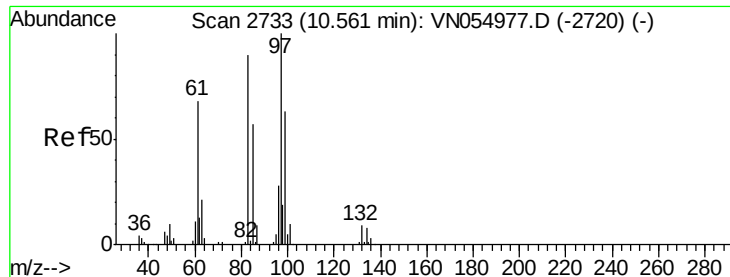
Tot Ion:114 Resp: 375026
 Ion Ratio Lower Upper
 114 100
 63 21.8 17.0 25.4
 88 15.8 12.3 18.5



#45
 1,4-Dioxane
 Concen: 4.611 ug/l
 RT: 8.74 min Scan# 2168
 Delta R.T. -0.46 min
 Lab File: VN055138.D
 Acq: 19 Apr 2019 13:31

Tgt Ion: 88 Resp: 171
 Ion Ratio Lower Upper
 88 100
 43 53.8 34.5 51.7#
 58 0.0 60.3 90.5#





#50

1,1,2-Trichloroethane

Concen: 3.798 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.46 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

TP-TRACK-78-79

Tot Ion: 97 Resp: 13935

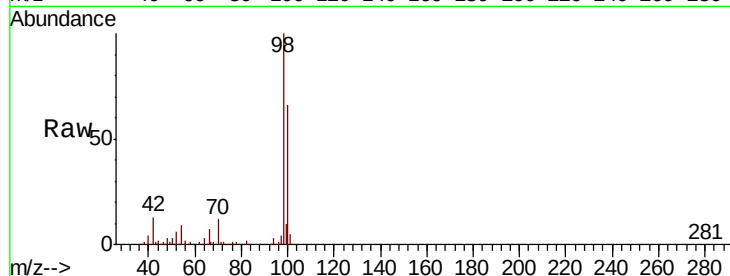
Ion Ratio Lower Upper

97 100

83 5.3 72.1 108.1#

85 0.0 45.4 68.0#

99 271.3 50.6 75.8#

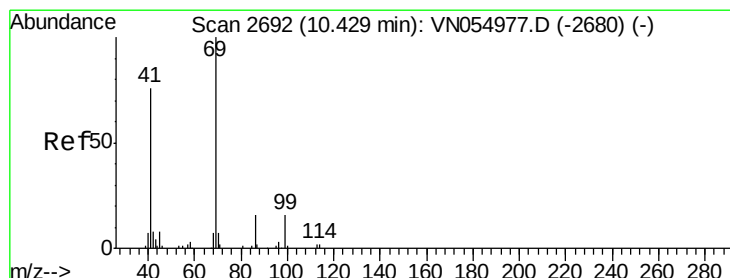
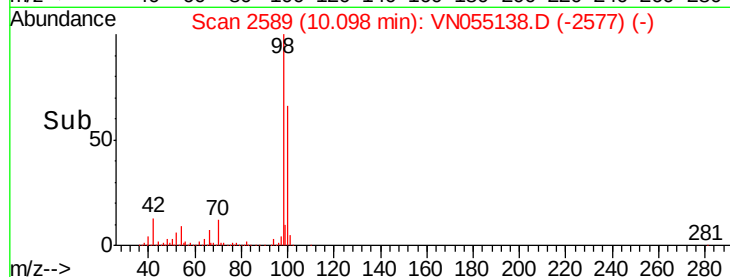
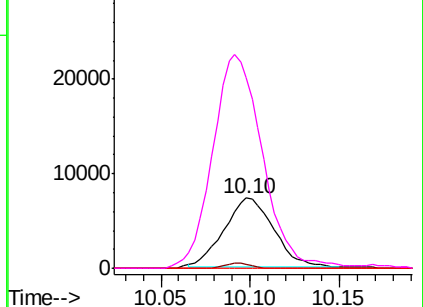


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 0.339 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

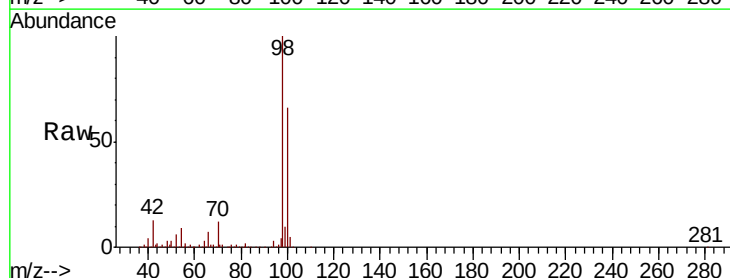
Tgt Ion: 69 Resp: 1484

Ion Ratio Lower Upper

69 100

41 67.0 37.9 113.7

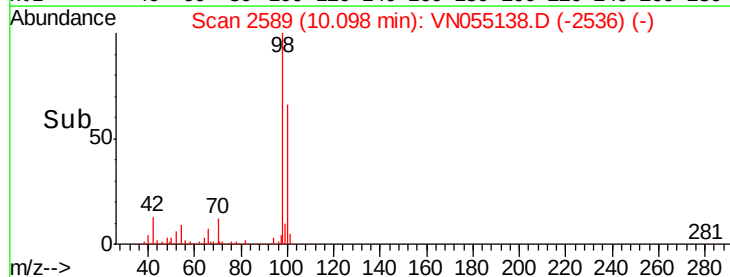
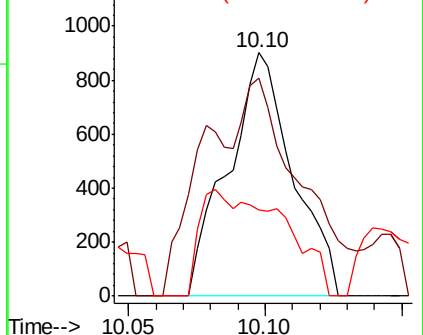
39 35.1 19.8 59.4

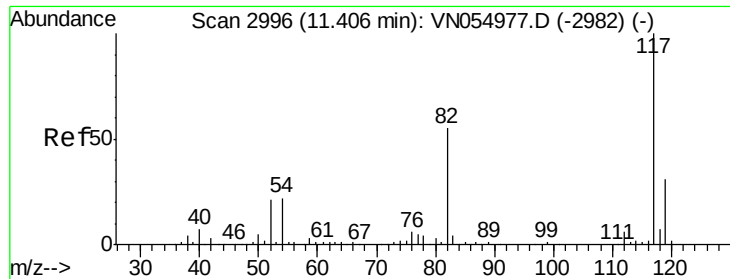


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

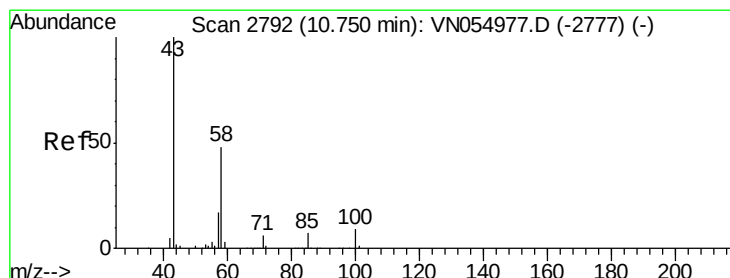
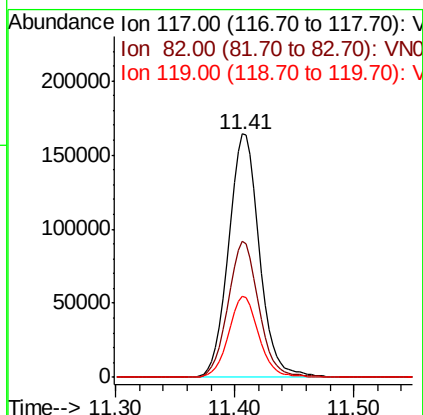
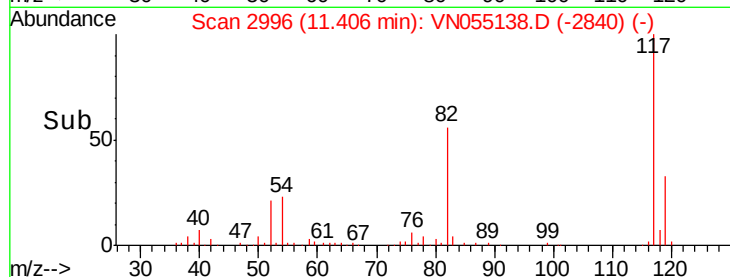
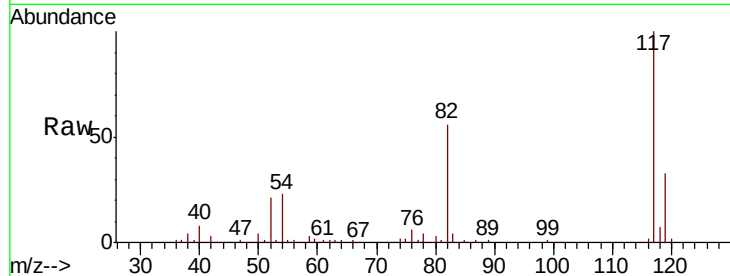




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

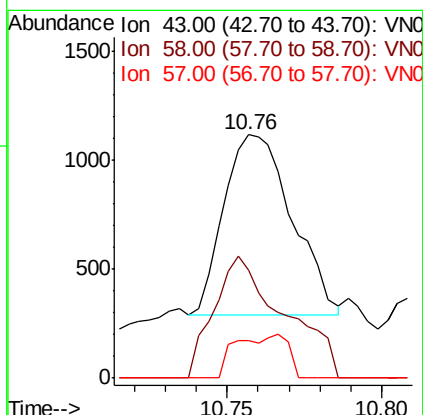
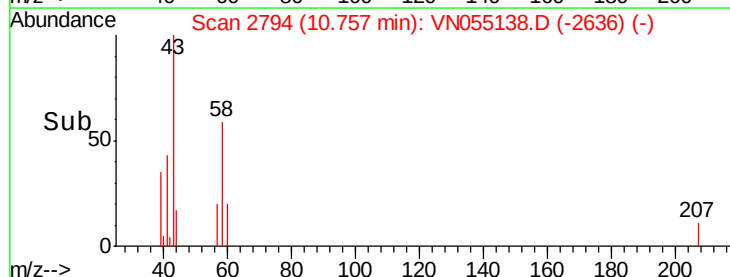
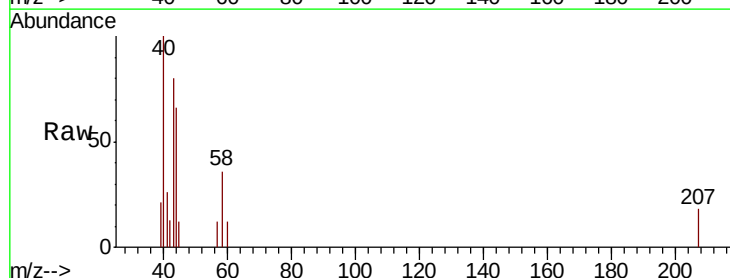
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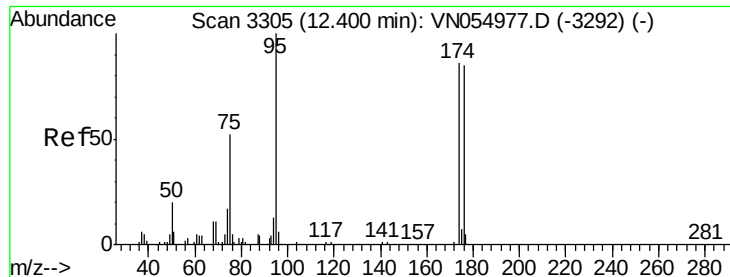
Tot Ion:117 Resp: 295409
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 32.6 25.4 38.2



#59
2-Hexanone
Concen: 0.584 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

Tgt Ion: 43 Resp: 1263
Ion Ratio Lower Upper
43 100
58 69.8 38.8 58.2#
57 10.1 13.8 20.6#





#60

4-Bromofluorobenzene

Concen: 0.584 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055138.D

Acq: 19 Apr 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

TP-TRACK-78-79

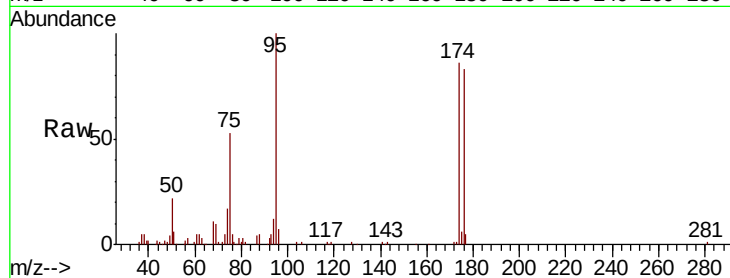
Tot Ion: 95 Resp: 99446

Ion Ratio Lower Upper

95 100

174 85.4 69.4 104.2

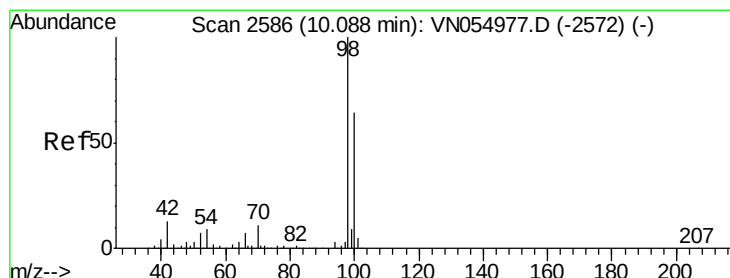
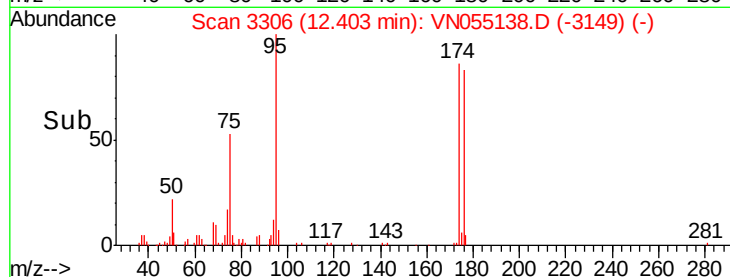
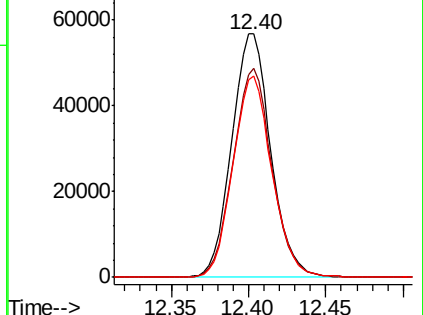
176 82.7 67.4 101.2



Abundance Ion 95.00 (94.70 to 95.70): VN054977.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN054977.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055138.D

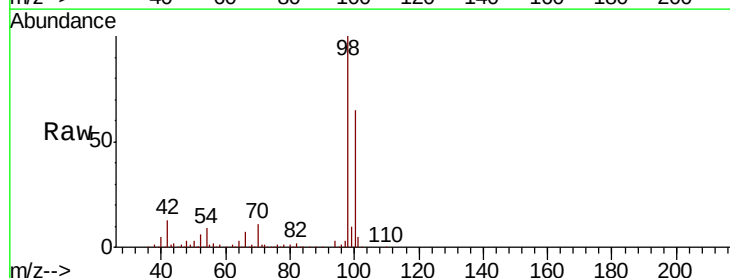
Acq: 19 Apr 2019 13:31

Tgt Ion: 98 Resp: 443889

Ion Ratio Lower Upper

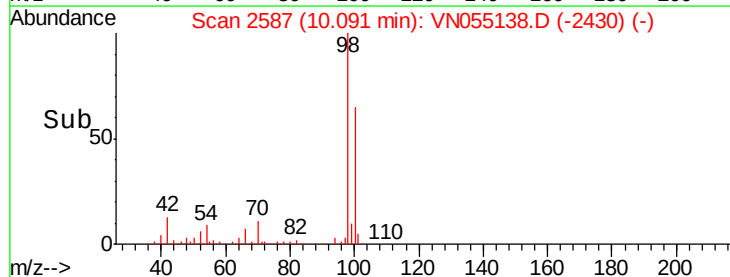
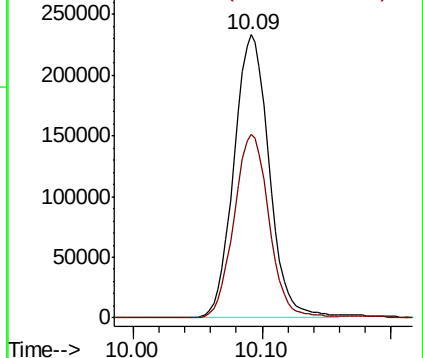
98 100

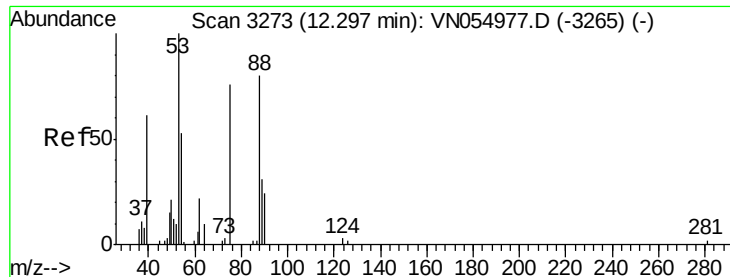
100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-2572) (-)

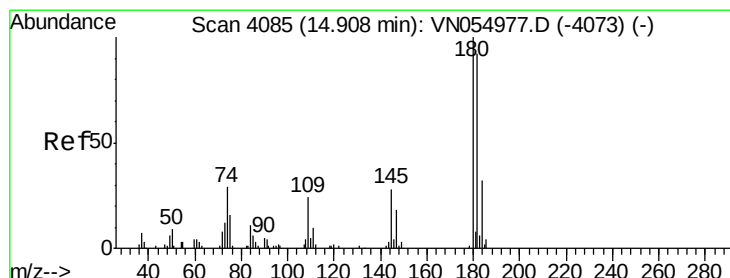
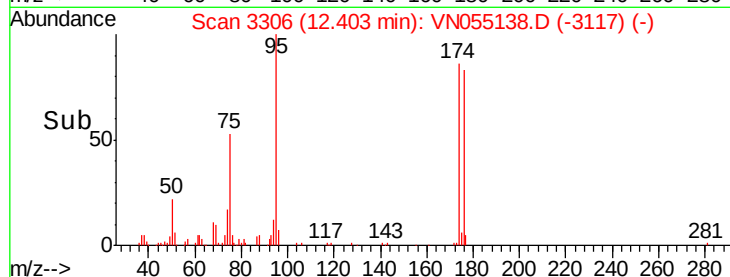
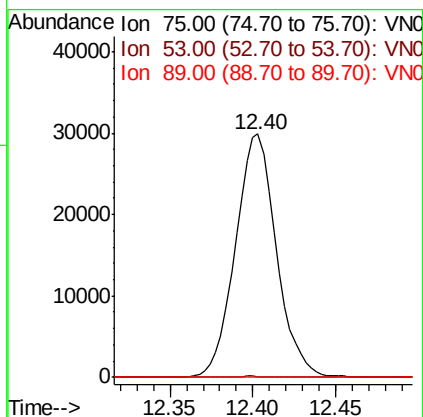
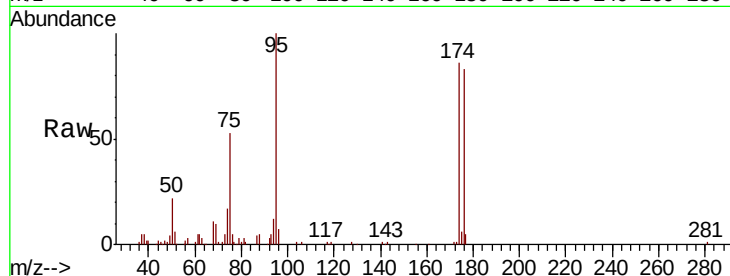




#77
t-1,4-Dichloro-2-butene
Concen: 62.819 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.11 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

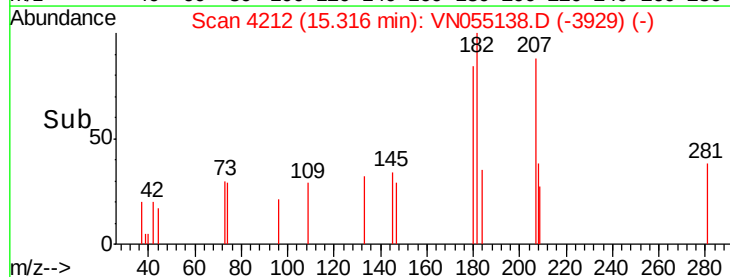
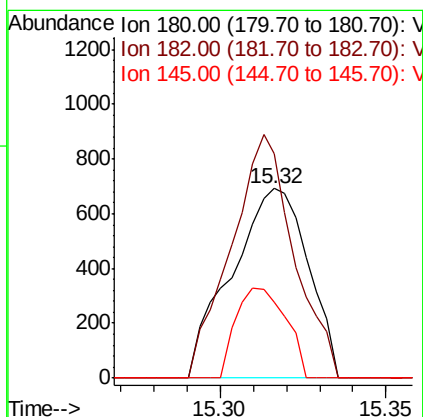
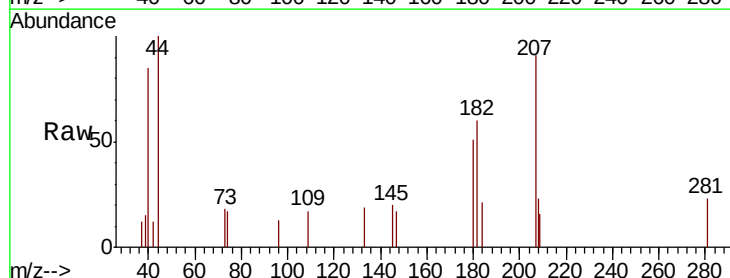
Instrument :
MSVOA_N
ClientSampleId :
TP-TRACK-78-79

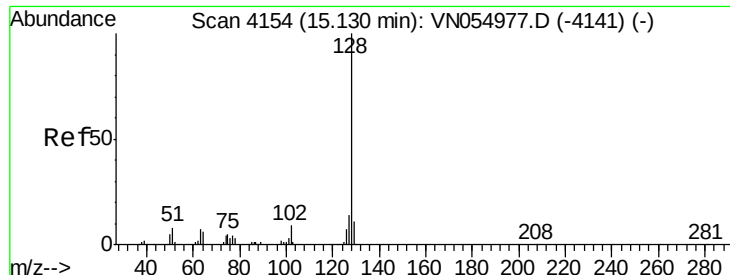
Tot Ion: 75 Resp: 51253
Ion Ratio Lower Upper
75 100
53 0.0 64.3 192.7#
89 0.0 21.6 65.0#



#89
1,2,4-Trichlorobenzene
Concen: 0.374 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.41 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

Tgt Ion: 180 Resp: 1110
Ion Ratio Lower Upper
180 100
182 105.6 73.2 109.8
145 30.9 23.2 34.8

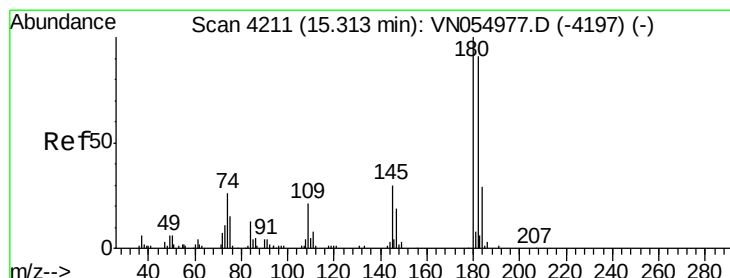
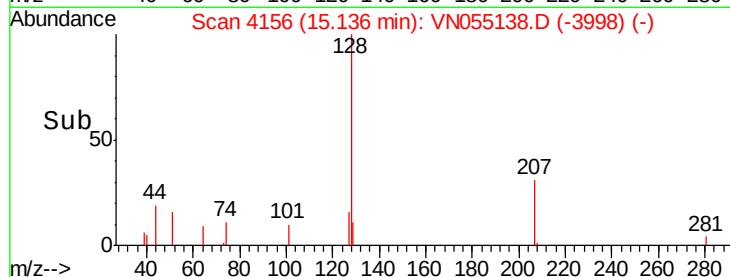
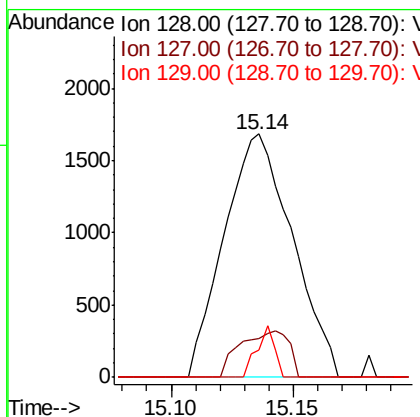
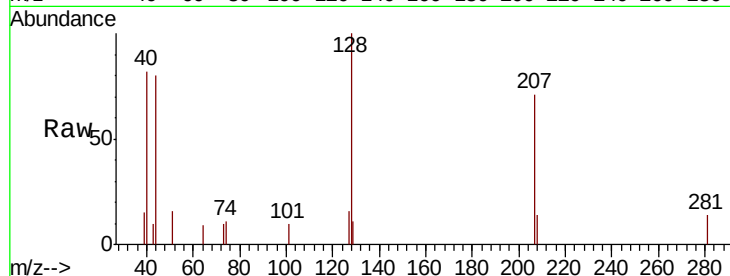




#91
Naphthalene
Concen: 0.525 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
TP-TRACK-78-79

Tot Ion:128 Resp: 3263
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 5.3 9.0 13.6#



#92
1,2,3-Trichlorobenzene
Concen: 0.374 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN055138.D
Acq: 19 Apr 2019 13:31

Tgt Ion:180 Resp: 1110
Ion Ratio Lower Upper
180 100
182 105.6 0.0 188.2
145 30.9 0.0 61.2

