

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063833.D
 Acq On : 2 Oct 2020 19:56
 Operator : JC/MD
 Sample : PB132030ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#12

Quant Time: Oct 05 04:18:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170029	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	188813	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	7.55	113	133572	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	10.06	98	516833	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
62) 4-Bromofluorobenzene	12.38	95	203552	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	

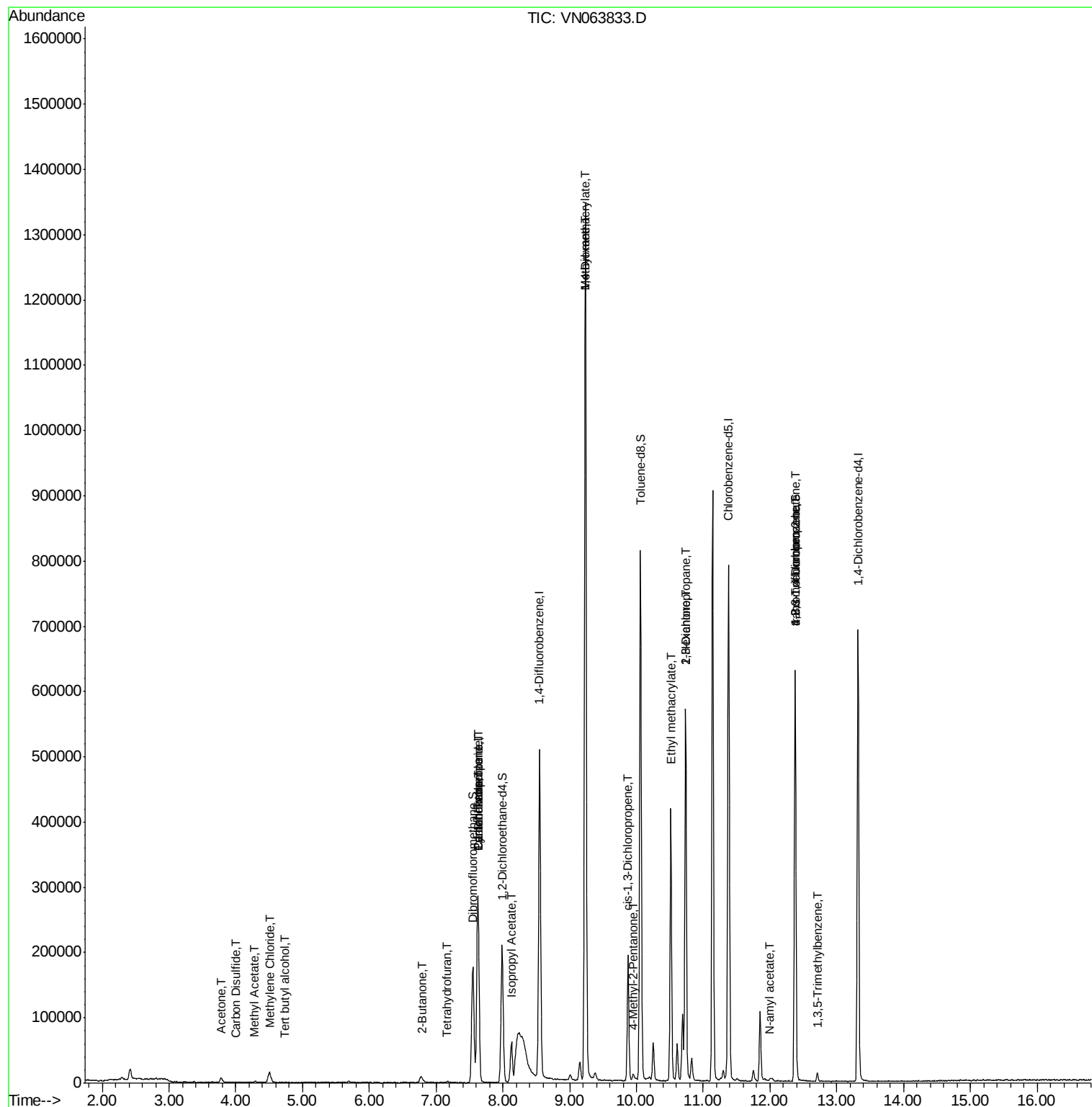
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	102	0.267	ug/l #	71
16) Acetone	3.78	43	12970	12.157	ug/l #	82
17) Carbon Disulfide	3.99	76	62	0.711	ug/l #	76
18) Methyl Acetate	4.28	43	1723	0.622	ug/l #	82
20) Methylene Chloride	4.50	84	11089	4.627	ug/l #	88
25) 2-Butanone	6.79	43	2342	1.548	ug/l	91
29) Tetrahydrofuran	7.16	42	1280	1.262	ug/l #	60
31) Cyclohexane	7.62	56	6533	1.624	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	20113	4.847	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23433	5.036	ug/l #	16
43) Isopropyl Acetate	8.13	43	75489	11.102	ug/l	100
48) Methyl methacrylate	9.23	41	138804	41.317	ug/l #	47
49) 1,4-Dioxane	9.23	88	107	2.241	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8274	2.073	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	29819	5.845	ug/l #	70
56) Ethyl methacrylate	10.51	69	1947	0.467	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5338	1.073	ug/l #	43
59) 2-Hexanone	10.74	43	93529	31.552	ug/l #	53
74) N-amyl acetate	12.00	43	1063	2.392	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	115927	30.929	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6820	0.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	115927	89.082	ug/l #	6

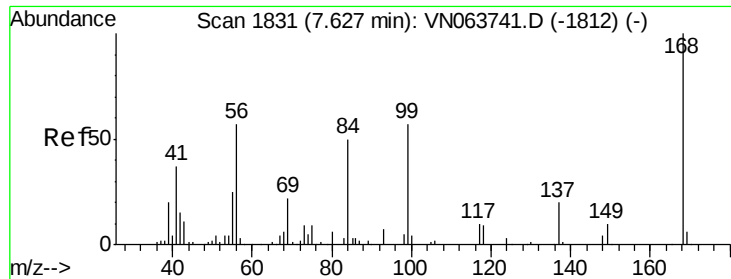
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100220\
Data File : VN063833.D
Acq On : 2 Oct 2020 19:56
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Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Oct 05 04:18:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

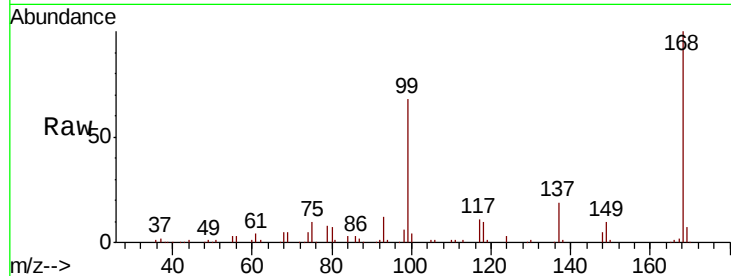
PB132030ZHE#12

Tot Ion:168 Resp: 209777

Ion Ratio Lower Upper

168 100

99 68.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

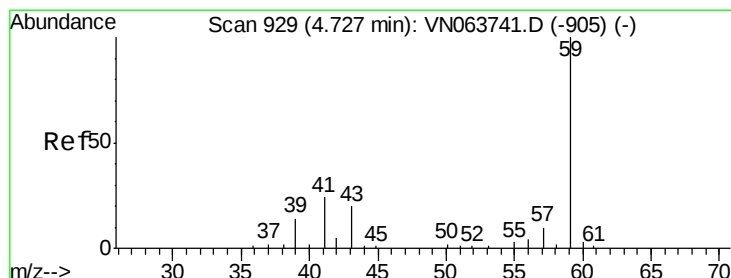
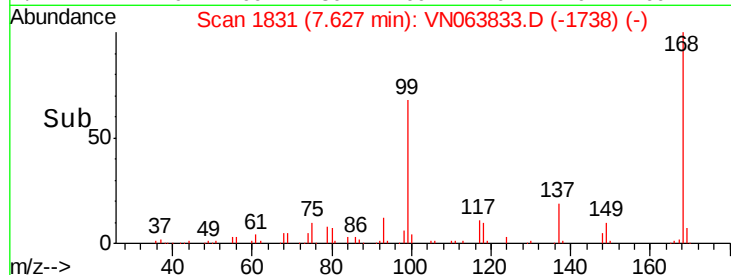
40000

20000

0

Time-->

7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.267 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063833.D

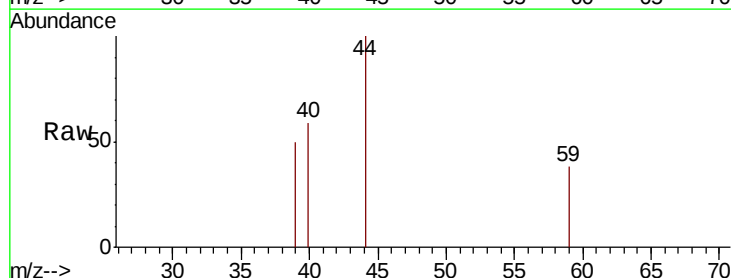
Acq: 2 Oct 2020 19:56

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

200

150

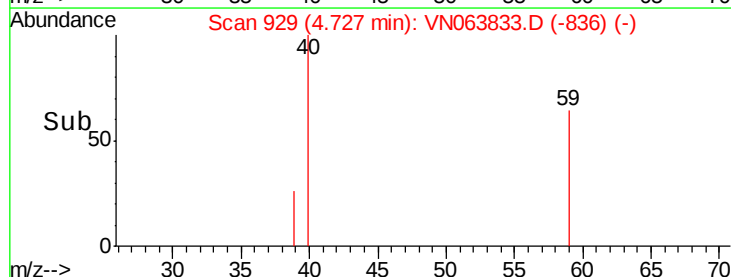
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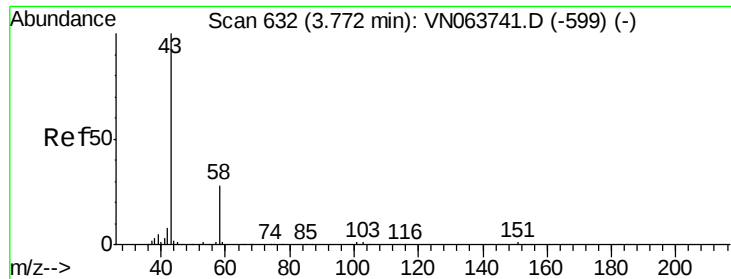
50

0

Time-->

4.71 4.72 4.73





#16

Acetone

Concen: 12.157 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

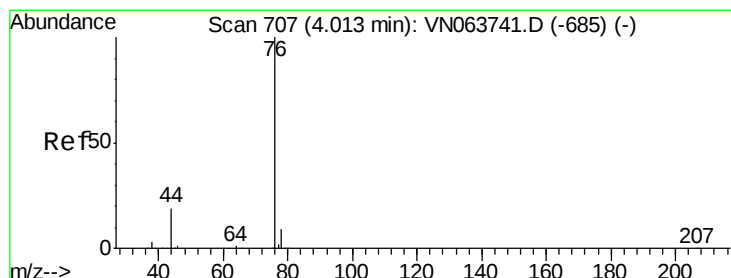
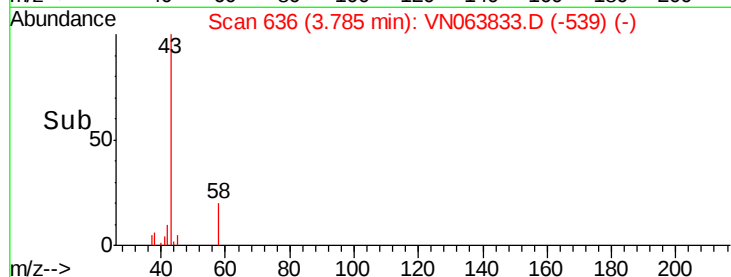
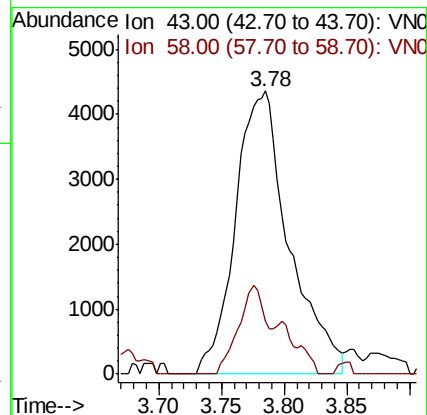
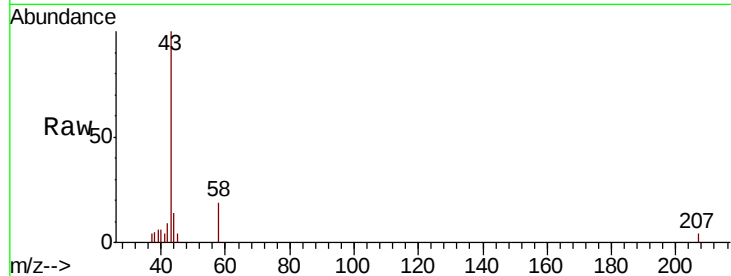
PB132030ZHE#12

Tot Ion: 43 Resp: 12970

Ion Ratio Lower Upper

43 100

58 18.5 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.711 ug/l

RT: 3.99 min Scan# 701

Delta R.T. -0.02 min

Lab File: VN063833.D

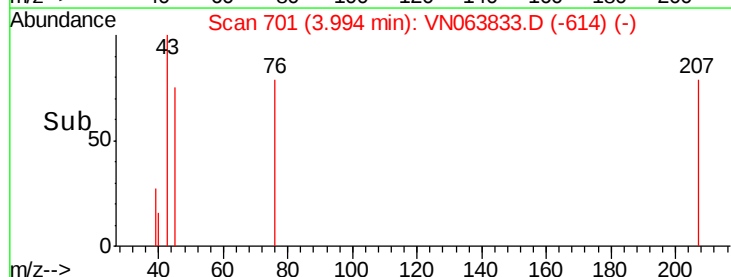
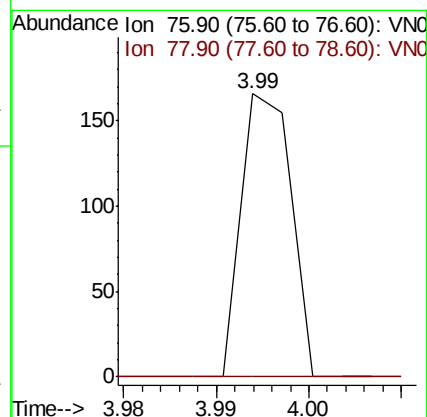
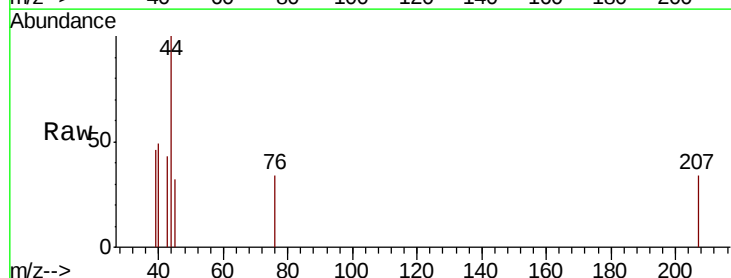
Acq: 2 Oct 2020 19:56

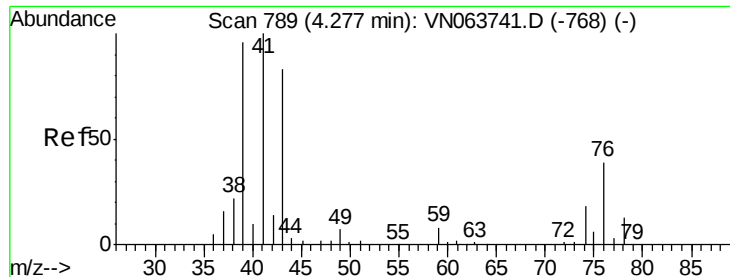
Tgt Ion: 76 Resp: 62

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

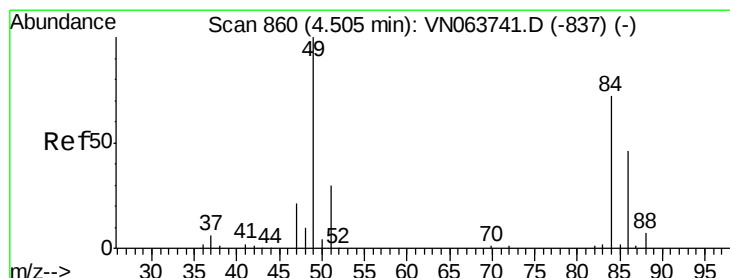
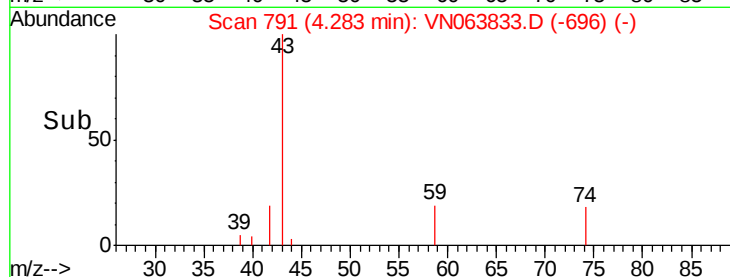
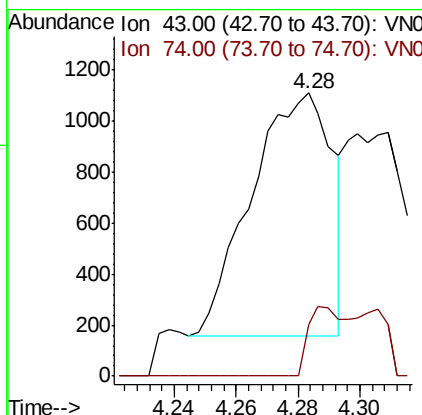
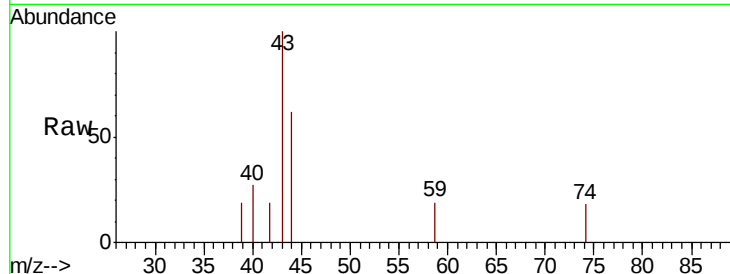




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

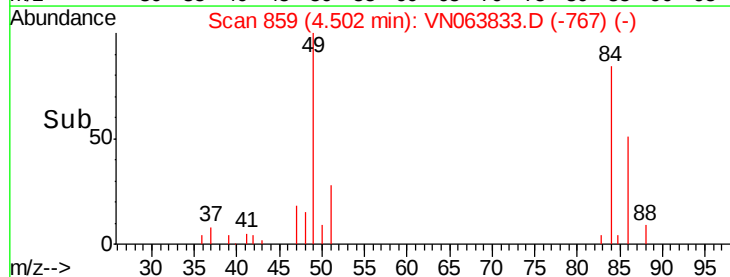
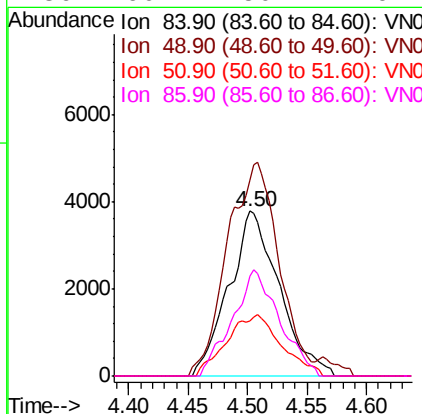
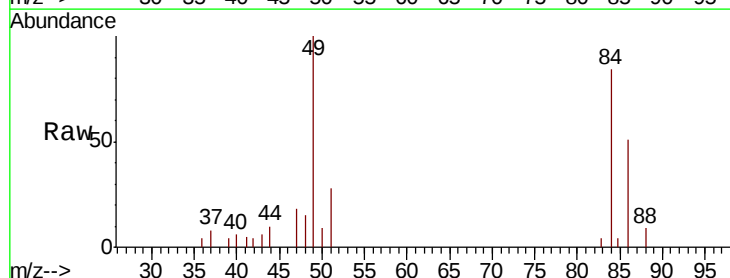
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#12

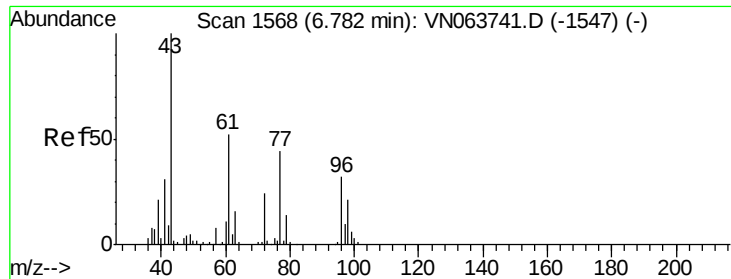
Tot Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
74 13.3 17.4 26.2#



#20
Methylene Chloride
Concen: 4.627 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Tgt Ion: 84 Resp: 11089
Ion Ratio Lower Upper
84 100
49 119.0 110.4 165.6
51 33.1 33.3 49.9#
86 60.2 50.7 76.1





#25

2-Butanone

Concen: 1.548 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

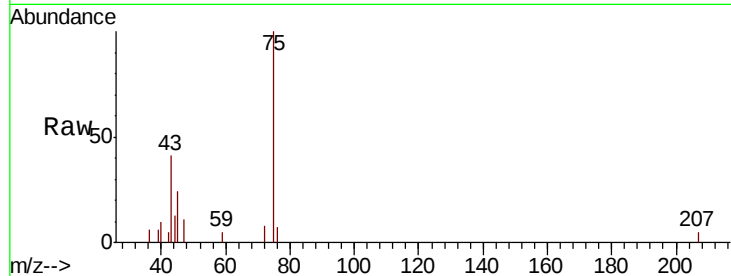
PB132030ZHE#12

Tot Ion: 43 Resp: 2342

Ion Ratio Lower Upper

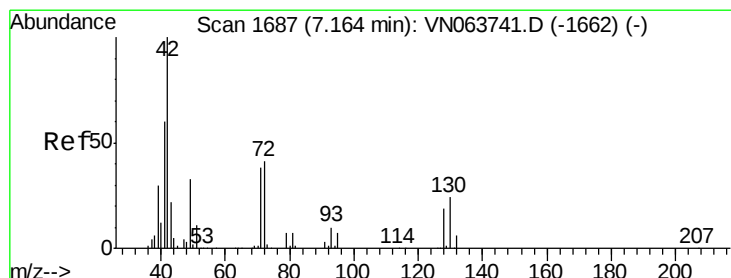
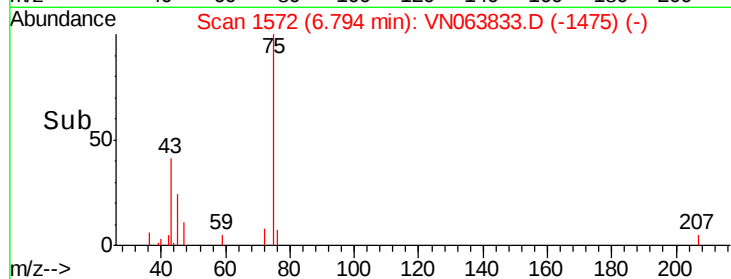
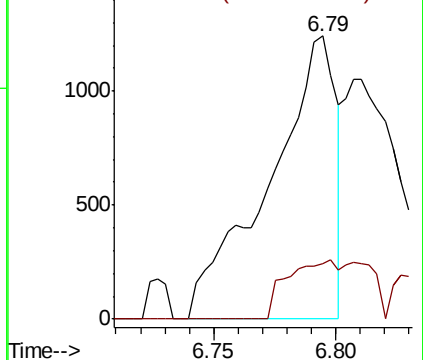
43 100

72 19.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 1.262 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

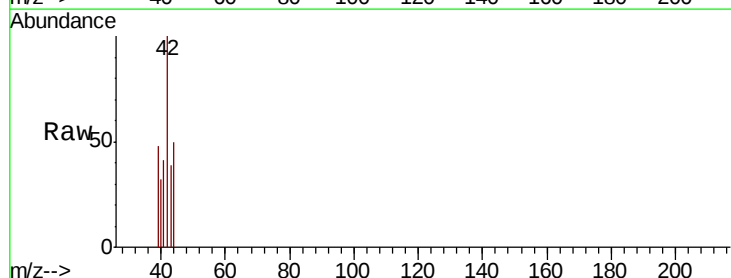
Tgt Ion: 42 Resp: 1280

Ion Ratio Lower Upper

42 100

72 20.2 32.8 49.2#

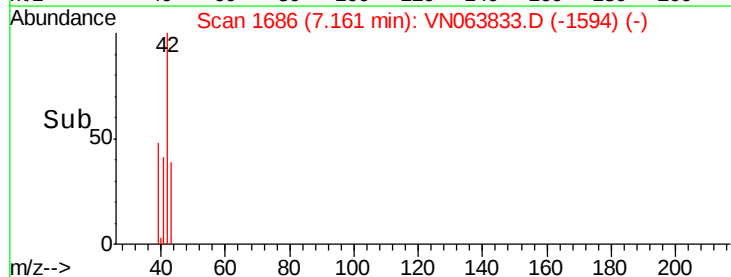
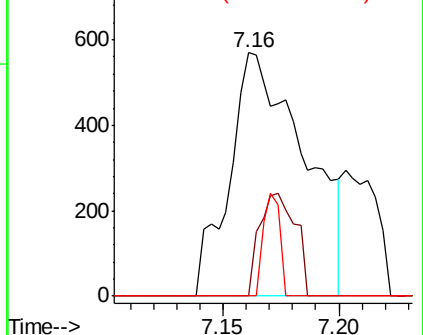
71 9.5 30.6 45.8#

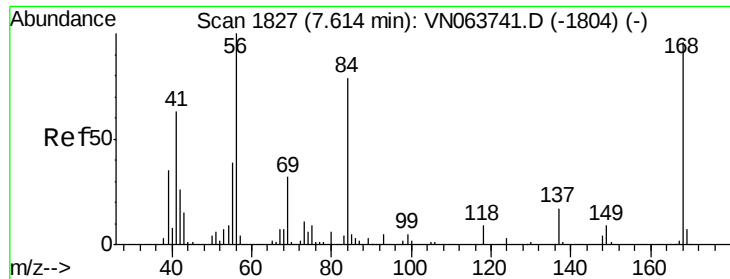


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 1.624 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

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ClientSampleId :

PB132030ZHE#12

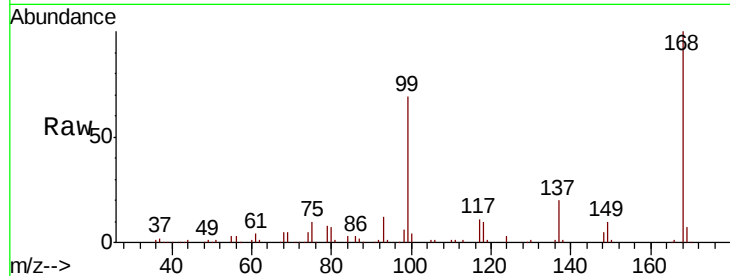
Tot Ion: 56 Resp: 6533

Ion Ratio Lower Upper

56 100

69 144.4 25.4 38.2#

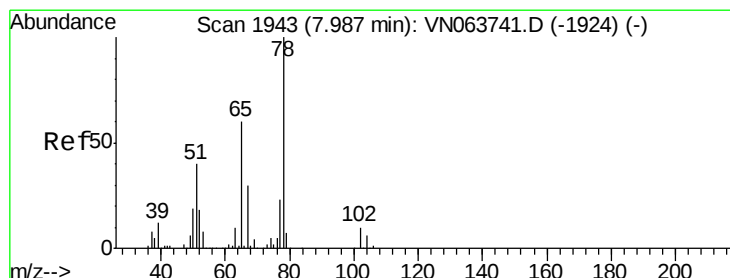
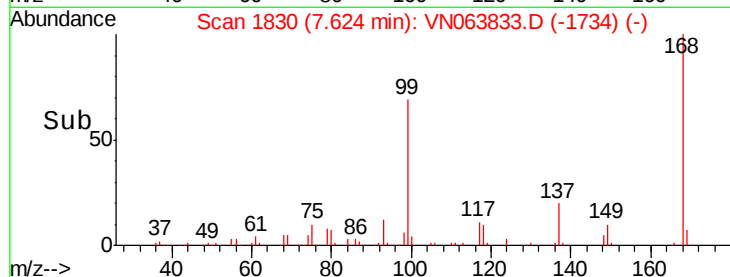
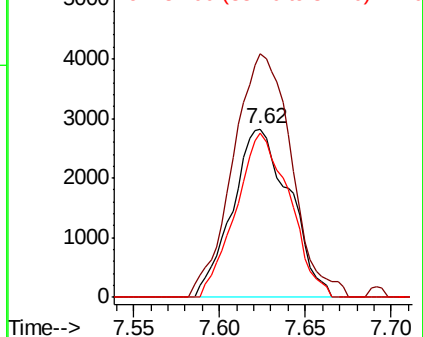
84 97.6 63.3 94.9#



Abundance Ion 56.00 (55.70 to 56.70): VN063833.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063833.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063833.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.481 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063833.D

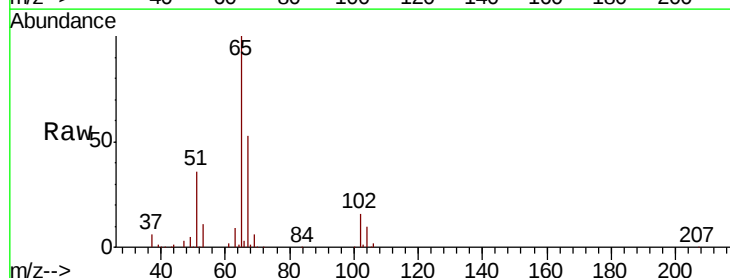
Acq: 2 Oct 2020 19:56

Tgt Ion: 65 Resp: 188813

Ion Ratio Lower Upper

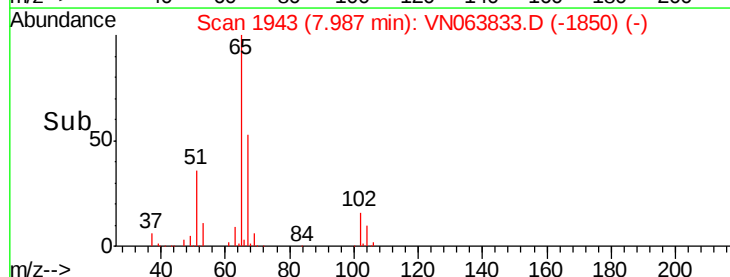
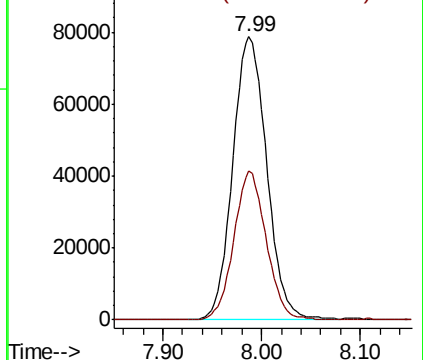
65 100

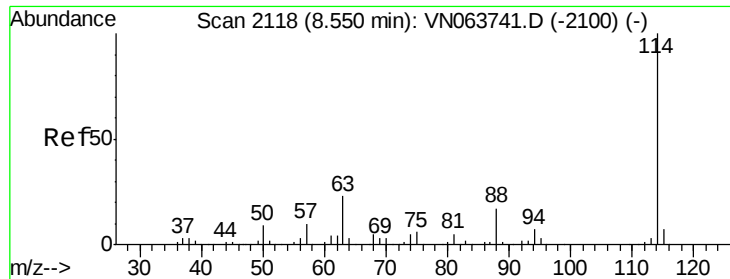
67 50.0 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063833.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063833.D (-1850) (-)

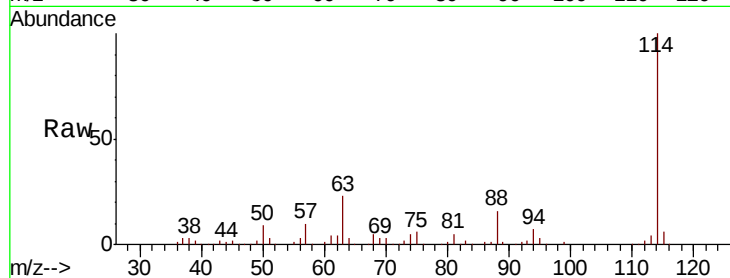




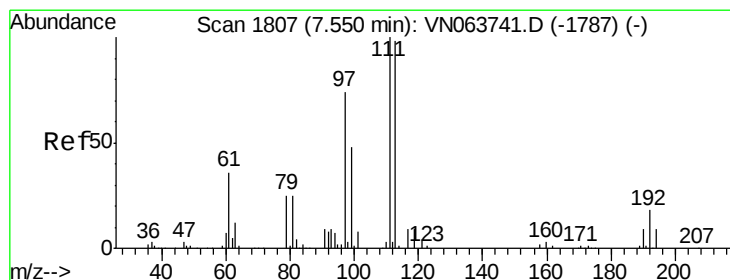
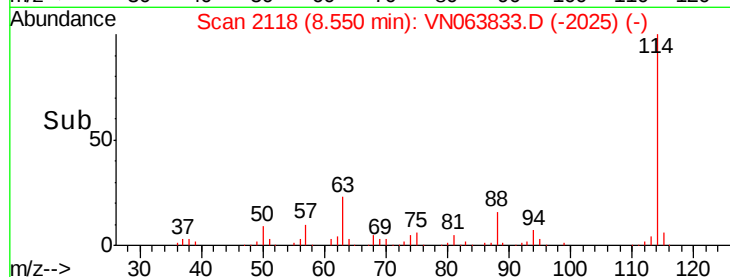
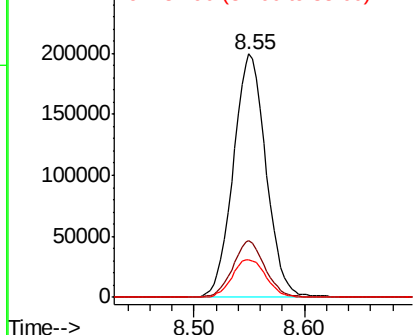
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#12

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	45.0
88	15.6	0.0	34.0

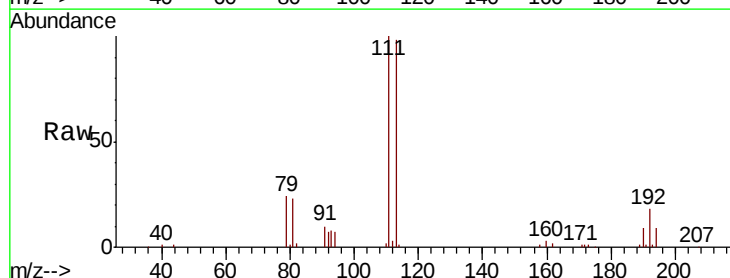


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

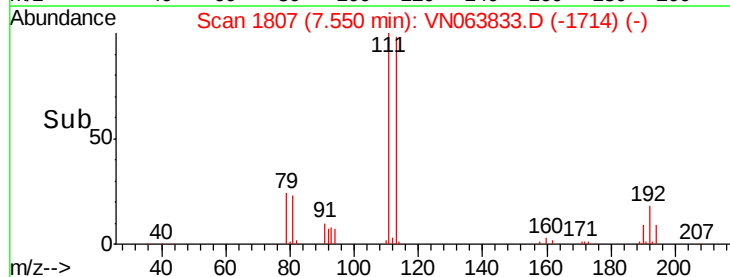
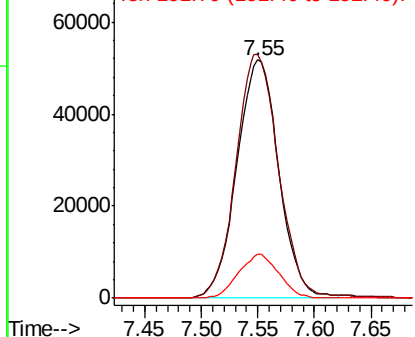


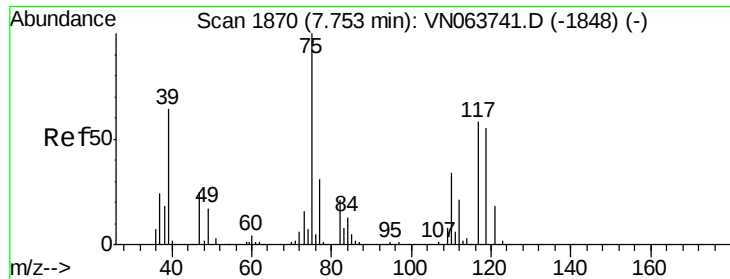
#35
Dibromofluoromethane
Concen: 47.001 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	17.8	14.2	21.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

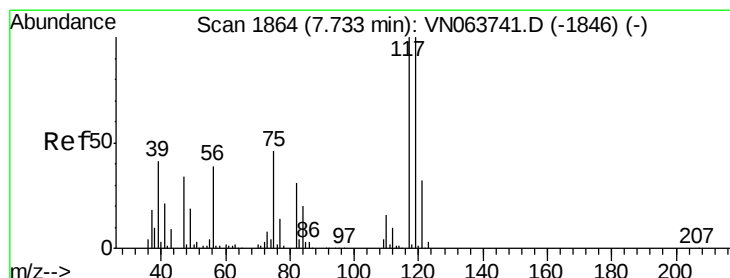
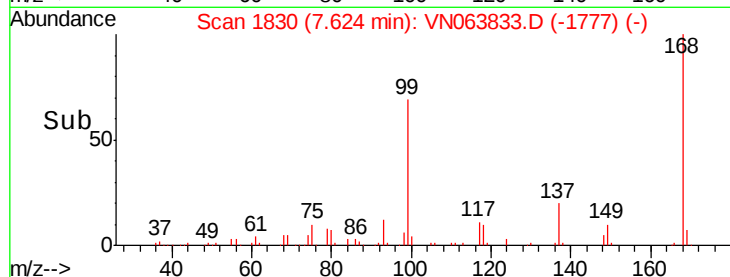
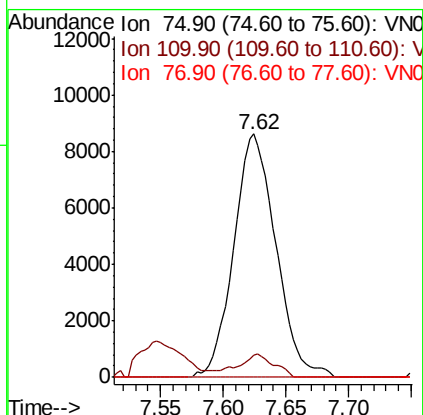
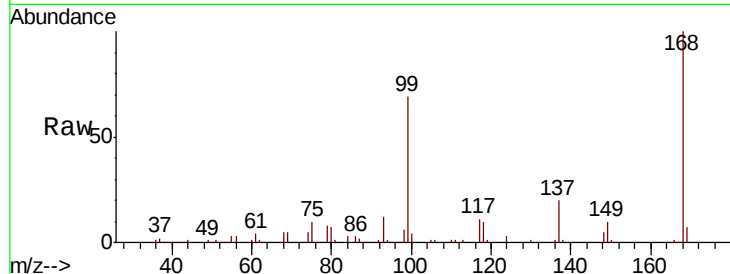




#36
 1,1-Dichloropropene
 Concen: 4.847 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063833.D
 Acq: 2 Oct 2020 19:56

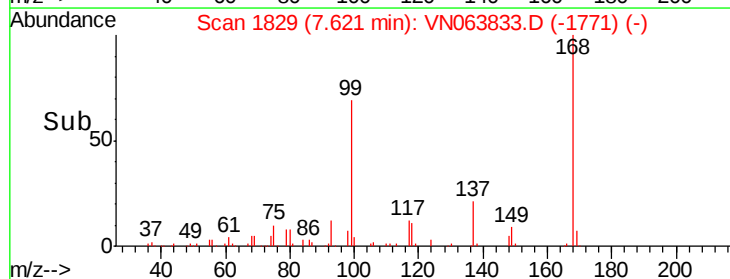
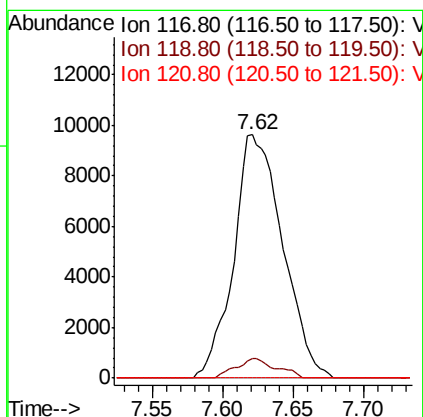
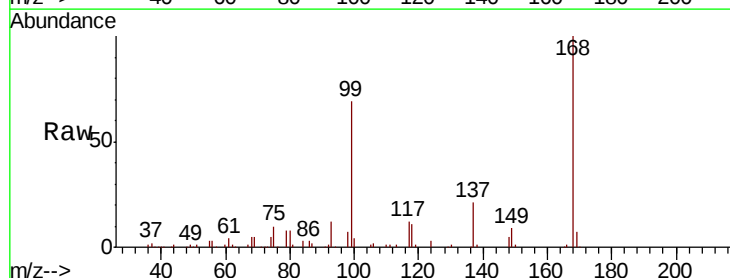
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#12

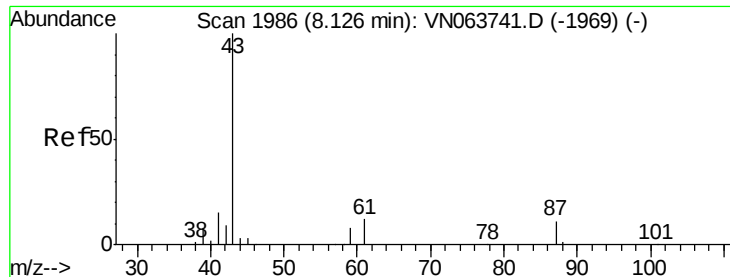
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.9	50.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.036 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN063833.D
 Acq: 2 Oct 2020 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	80.1	120.1#
121	0.0	25.7	38.5#





#43

Isopropyl Acetate

Concen: 11.102 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#12

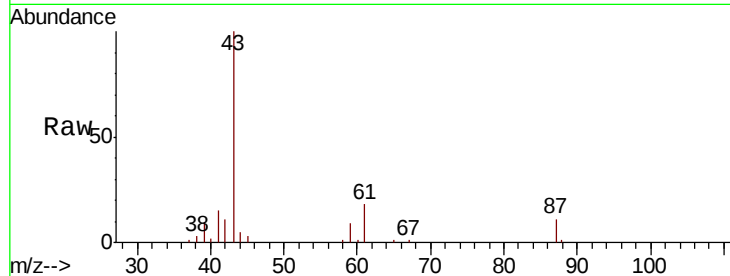
Tot Ion: 43 Resp: 75489

Ion Ratio Lower Upper

43 100

61 17.7 14.2 21.4

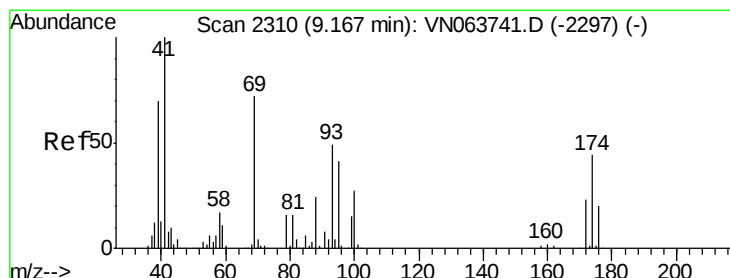
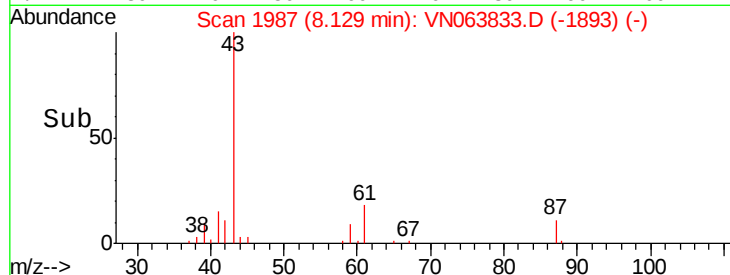
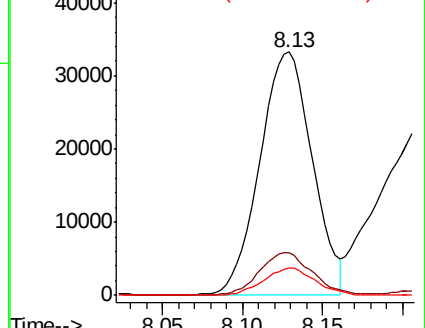
87 10.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063833.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN063833.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN063833.D (-1987) (-)



#48

Methyl methacrylate

Concen: 41.317 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

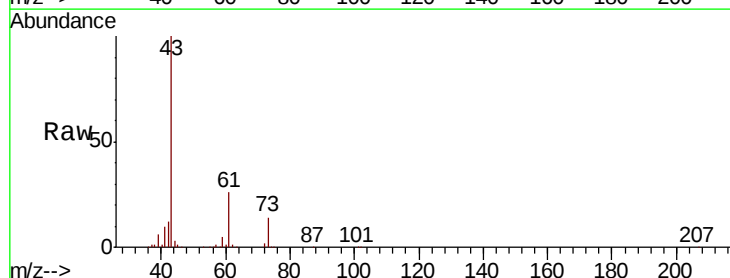
Tgt Ion: 41 Resp: 138804

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

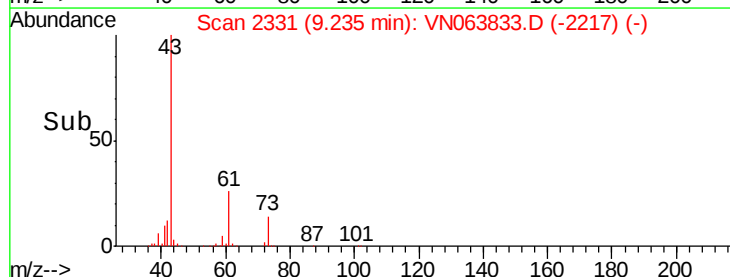
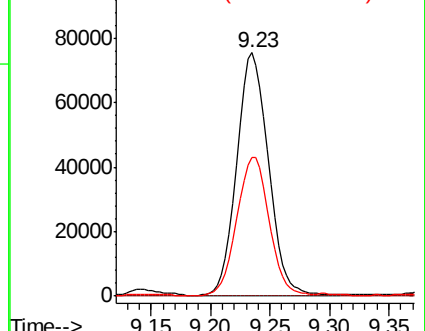
39 59.0 57.5 86.3

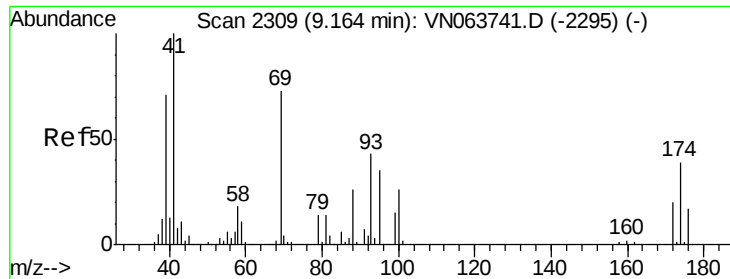


Abundance Ion 41.00 (40.70 to 41.70): VN063833.D (-2331) (-)

Ion 69.00 (68.70 to 69.70): VN063833.D (-2331) (-)

Ion 39.00 (38.70 to 39.70): VN063833.D (-2331) (-)





#49

1,4-Dioxane

Concen: 2.241 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#12

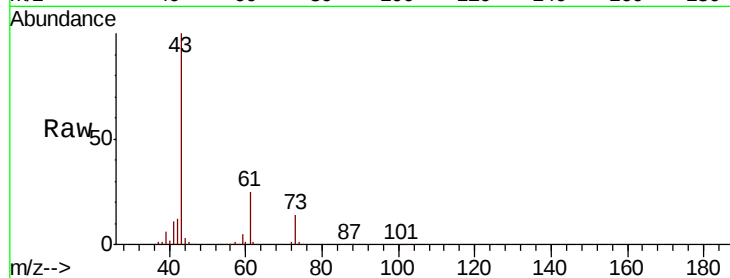
Tot Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

43 1254975.7 33.1 49.7#

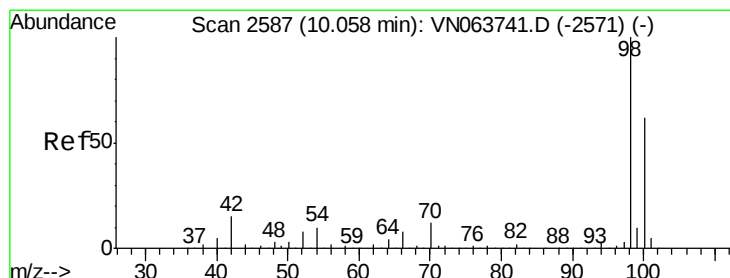
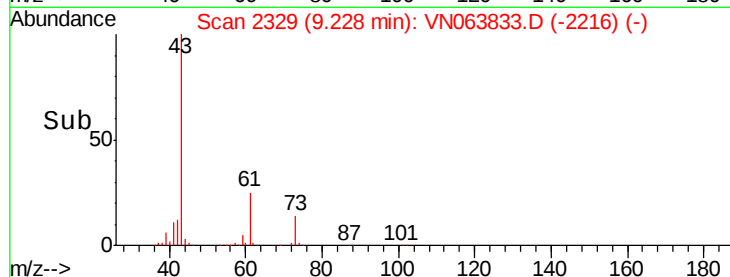
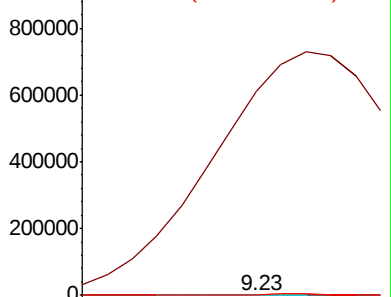
58 6077.6 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.974 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063833.D

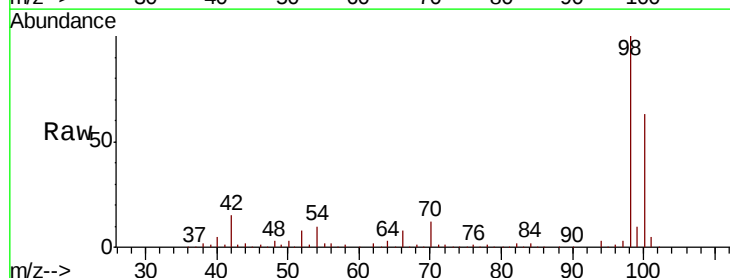
Acq: 2 Oct 2020 19:56

Tgt Ion: 98 Resp: 516833

Ion Ratio Lower Upper

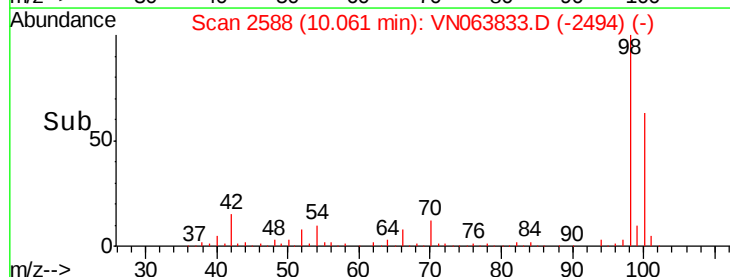
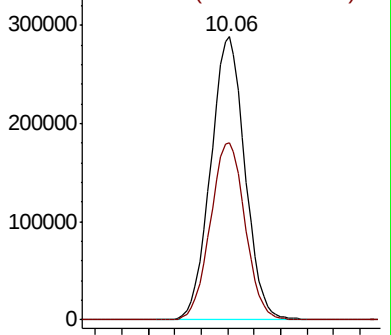
98 100

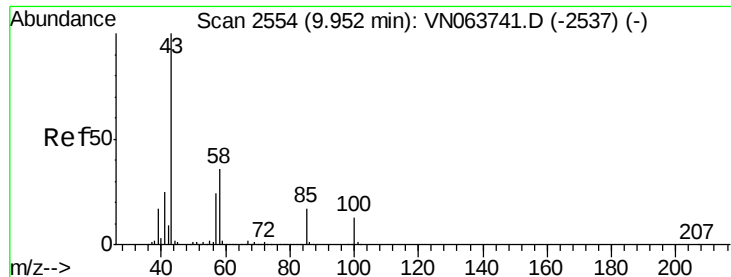
100 63.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.073 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

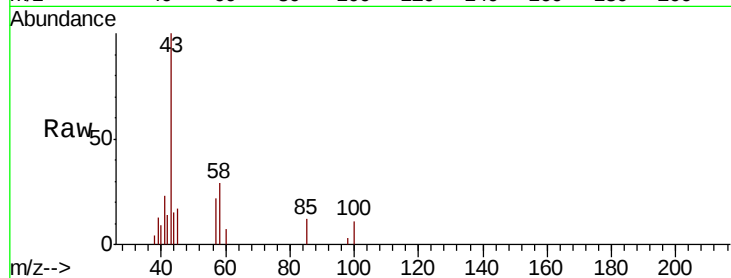
PB132030ZHE#12

Tot Ion: 43 Resp: 8274

Ion Ratio Lower Upper

43 100

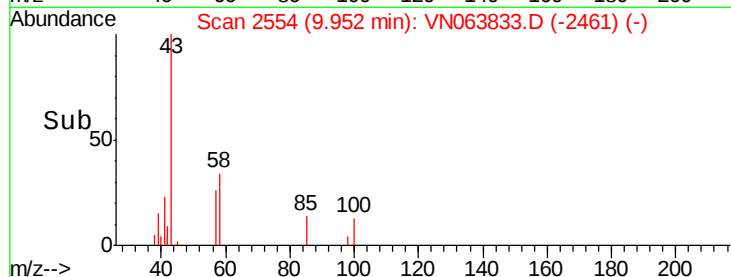
58 34.2 28.4 42.6



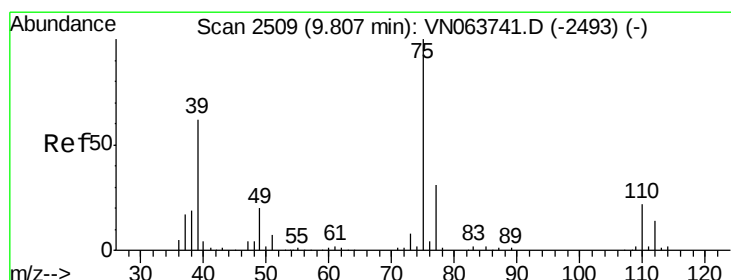
Abundance Ion 43.00 (42.70 to 43.70): VN063833.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN063833.D (-2461) (-)

Time-->



Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.845 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

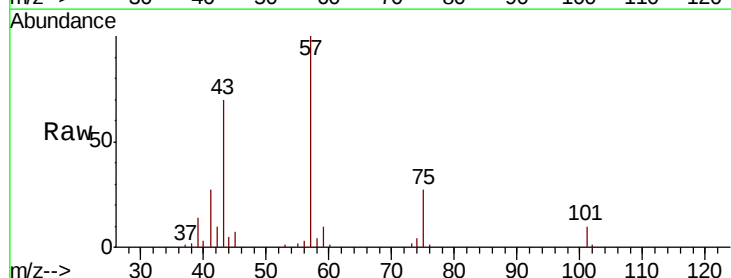
Tgt Ion: 75 Resp: 29819

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 49.4 49.7 74.5#

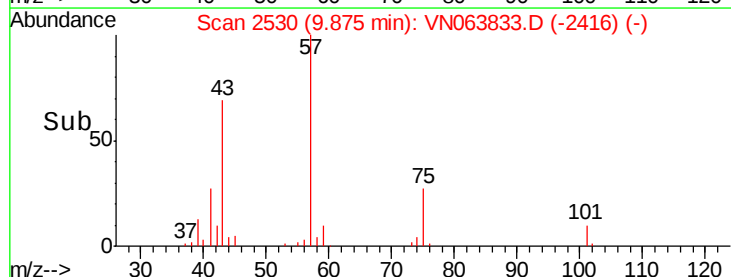


Abundance Ion 74.90 (74.60 to 75.60): VN063833.D (-2416) (-)

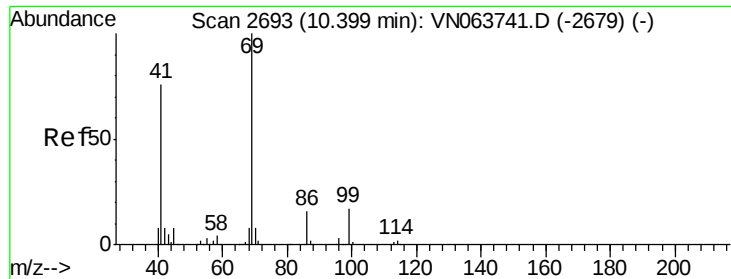
Ion 76.90 (76.60 to 77.60): VN063833.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN063833.D (-2416) (-)

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 0.467 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063833.D

Acq: 2 Oct 2020 19:56

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#12

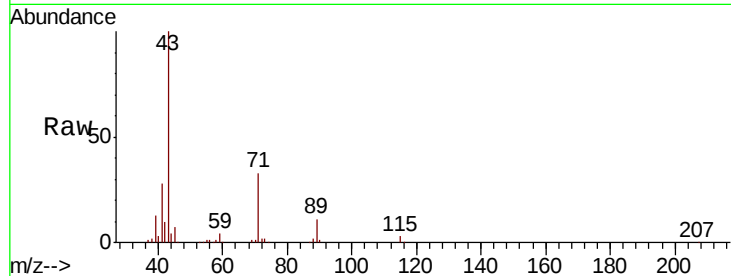
Tot Ion: 69 Resp: 1947

Ion Ratio Lower Upper

69 100

41 4484.6 61.1 91.7#

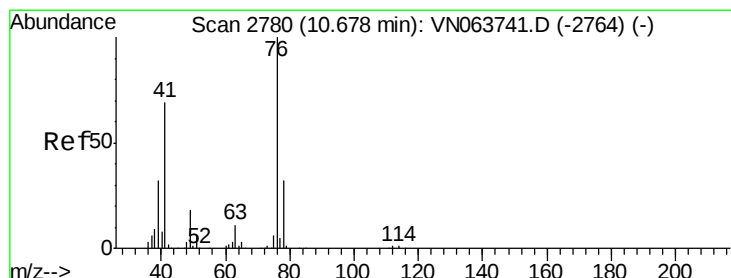
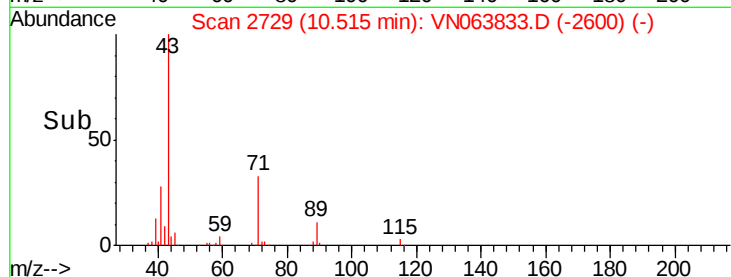
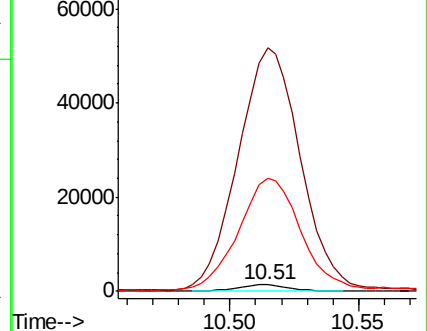
39 2111.5 42.2 63.4#



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

1,3-Dichloropropane

Concen: 1.073 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN063833.D

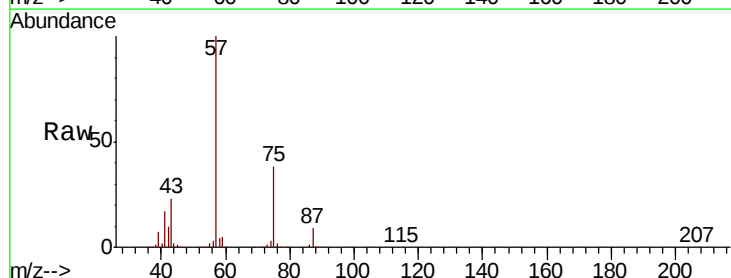
Acq: 2 Oct 2020 19:56

Tgt Ion: 76 Resp: 5338

Ion Ratio Lower Upper

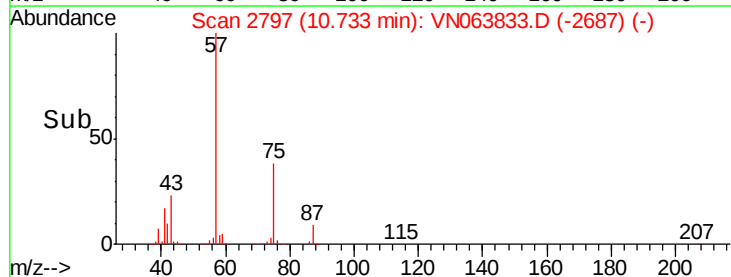
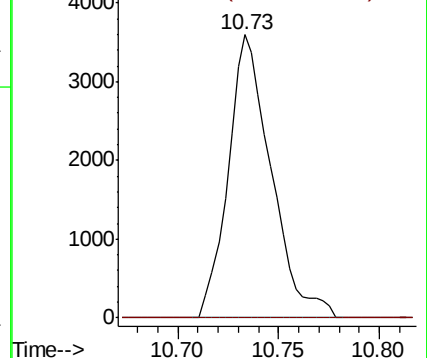
76 100

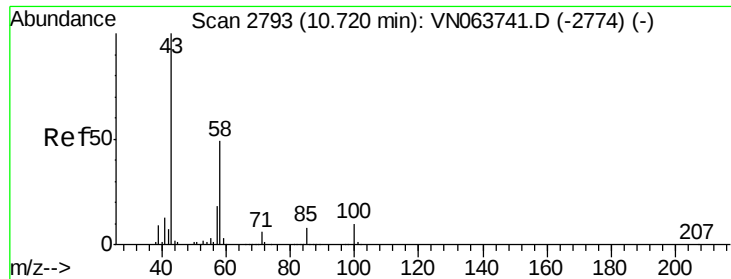
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

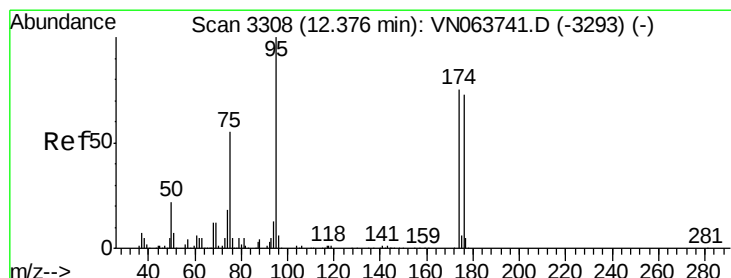
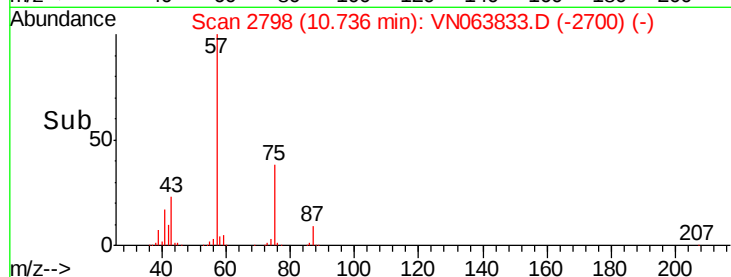
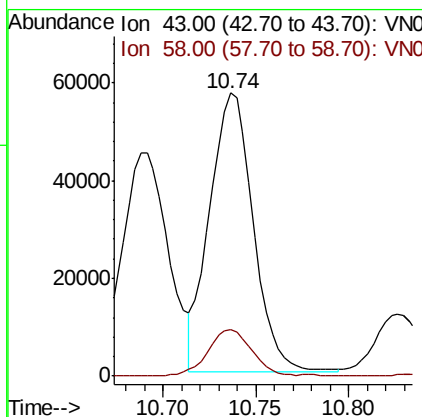
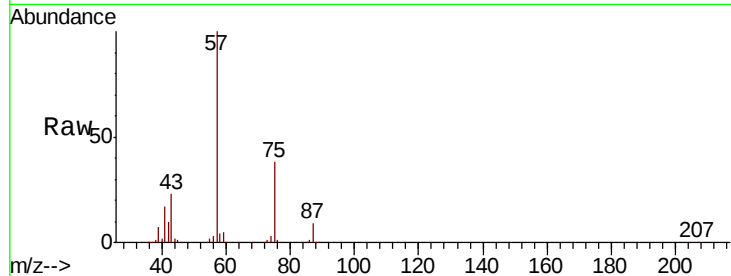




#59
2-Hexanone
Concen: 31.552 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

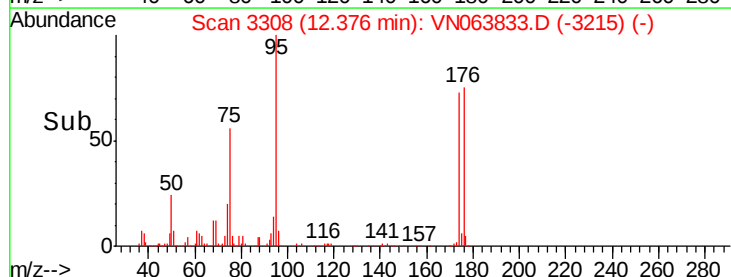
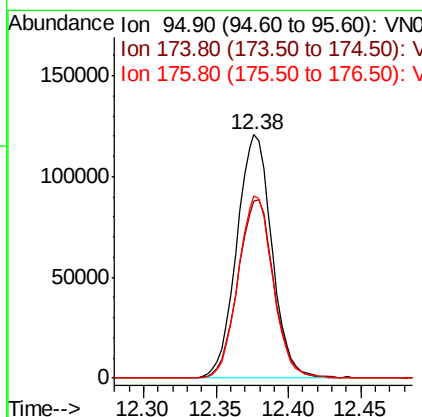
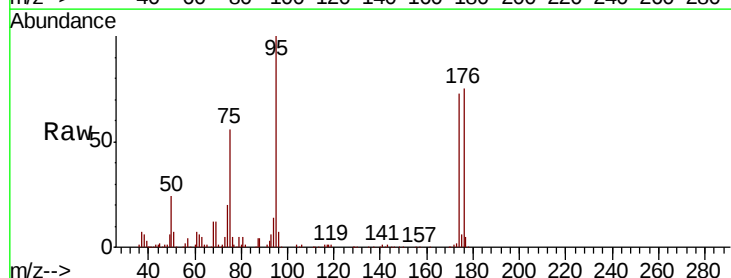
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#12

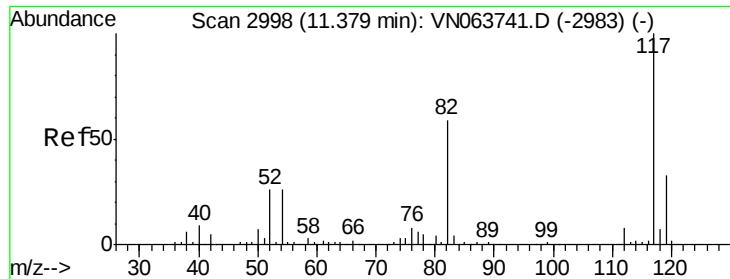
Tot Ion: 43 Resp: 93529
Ion Ratio Lower Upper
43 100
58 17.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.262 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Tgt Ion: 95 Resp: 203552
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.6
176 74.1 0.0 145.4

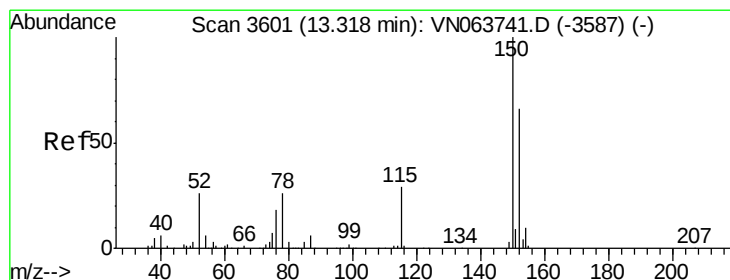
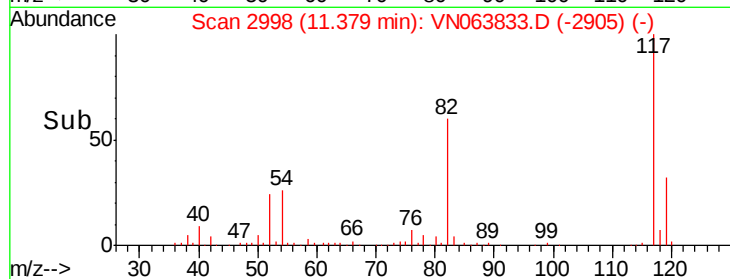
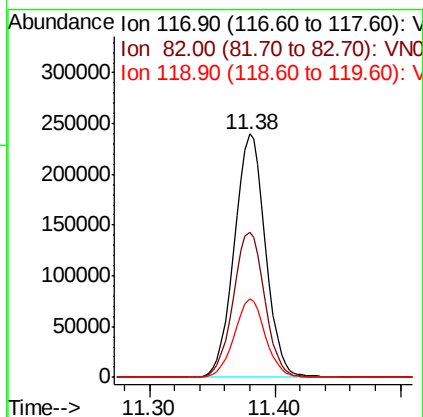
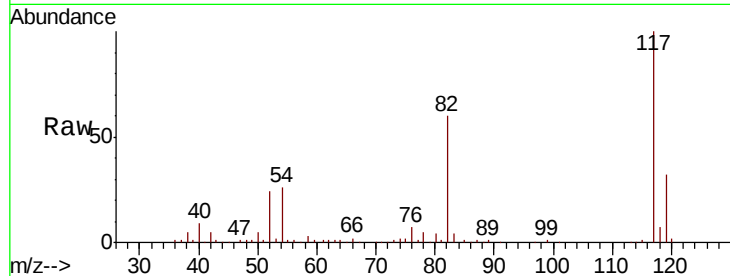




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

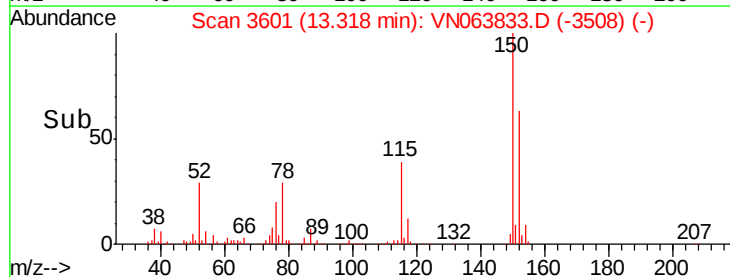
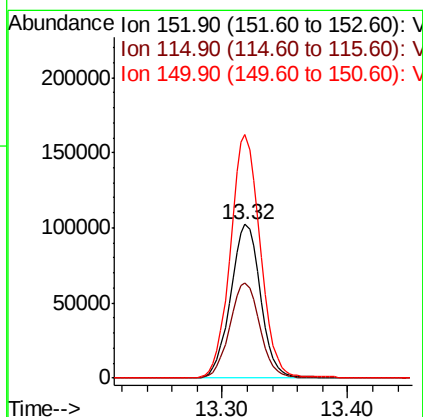
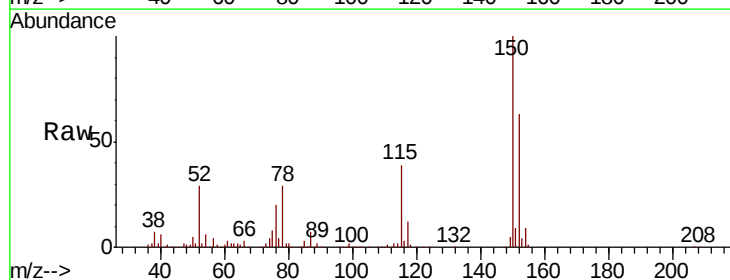
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#12

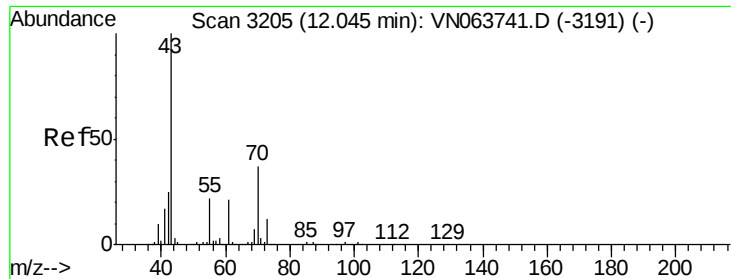
Tot Ion:117 Resp: 413109
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 32.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Tgt Ion:152 Resp: 170029
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 157.9 0.0 341.8

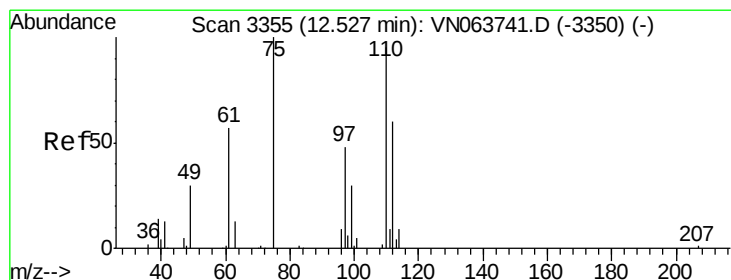
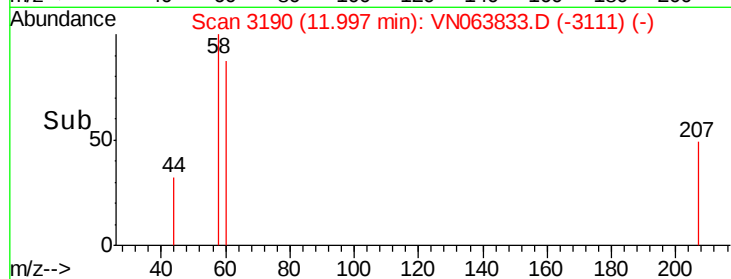
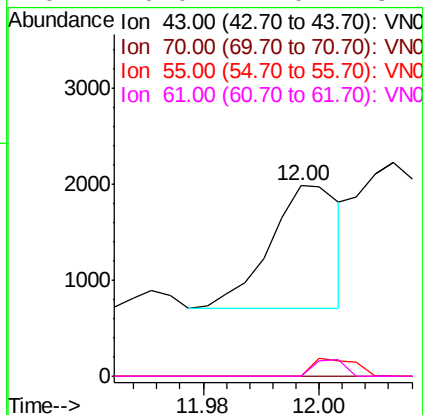
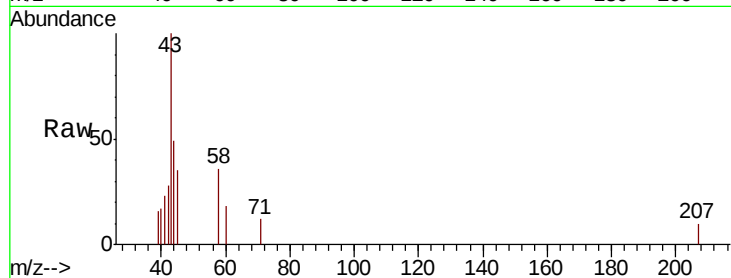




#74
N-amvl acetate
Concen: 2.392 ug/l
RT: 12.00 min Scan# 3190
Delta R.T. -0.05 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

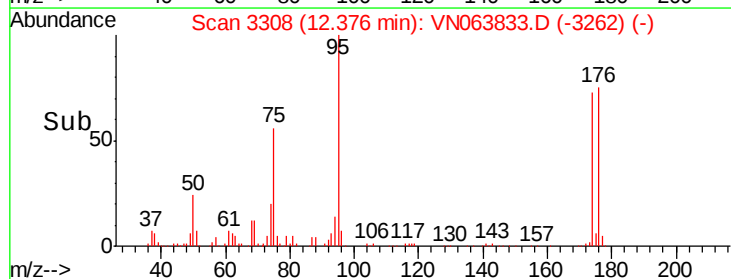
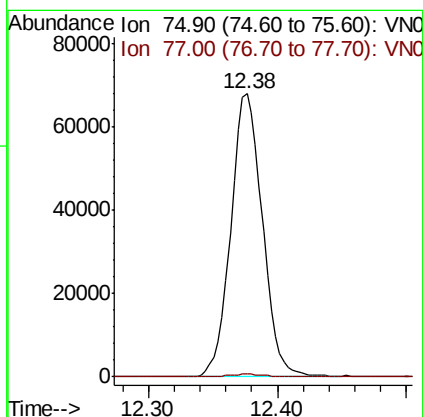
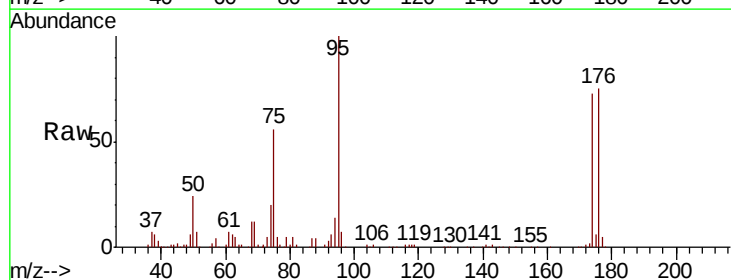
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#12

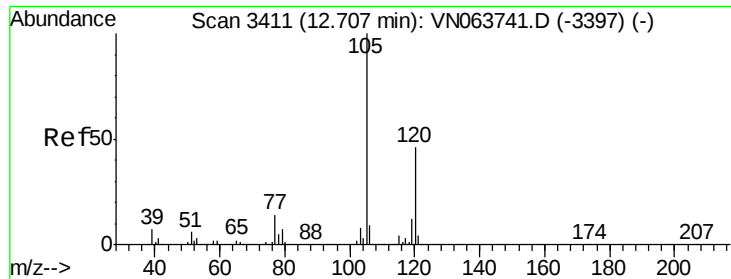
Tot Ion: 43 Resp: 1063
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 8.9 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.929 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063833.D
Acq: 2 Oct 2020 19:56

Tgt Ion: 75 Resp: 115927
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

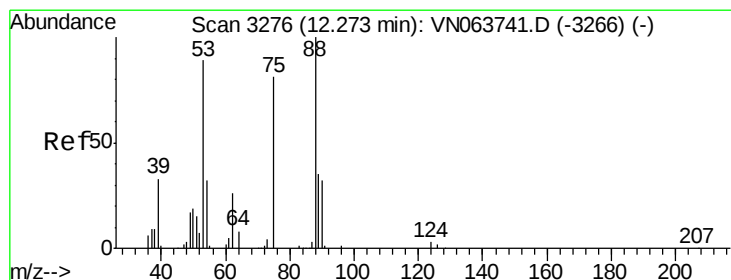
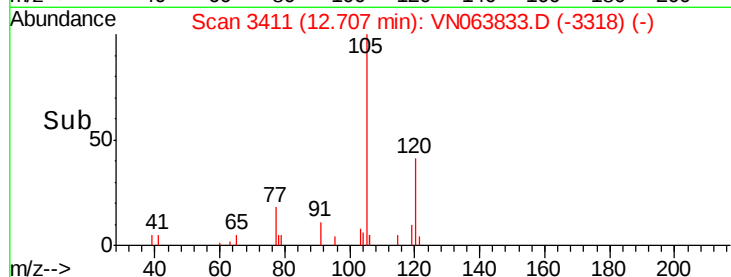
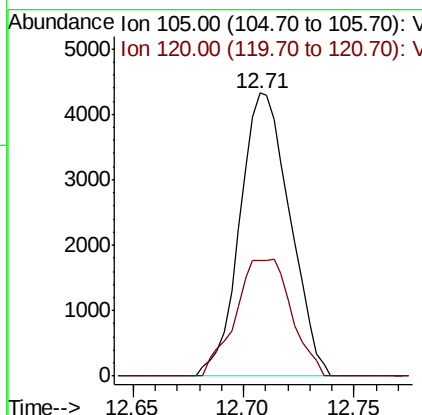
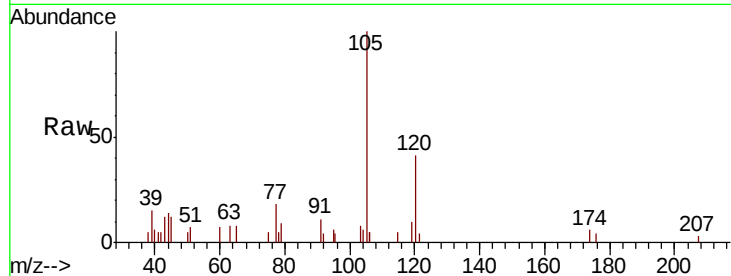




#80
 1,3,5-Trimethylbenzene
 Concen: 0.655 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063833.D
 Acq: 2 Oct 2020 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#12

Tot Ion:105 Resp: 6820
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.082 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063833.D
 Acq: 2 Oct 2020 19:56

Tgt Ion: 75 Resp: 115927
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#

