

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063829.D
 Acq On : 2 Oct 2020 18:20
 Operator : JC/MD
 Sample : PB132030ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#08

Quant Time: Oct 05 04:17:50 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	218651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175756	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	189560	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.55	113	138594	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	10.06	98	531799	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	208285	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	

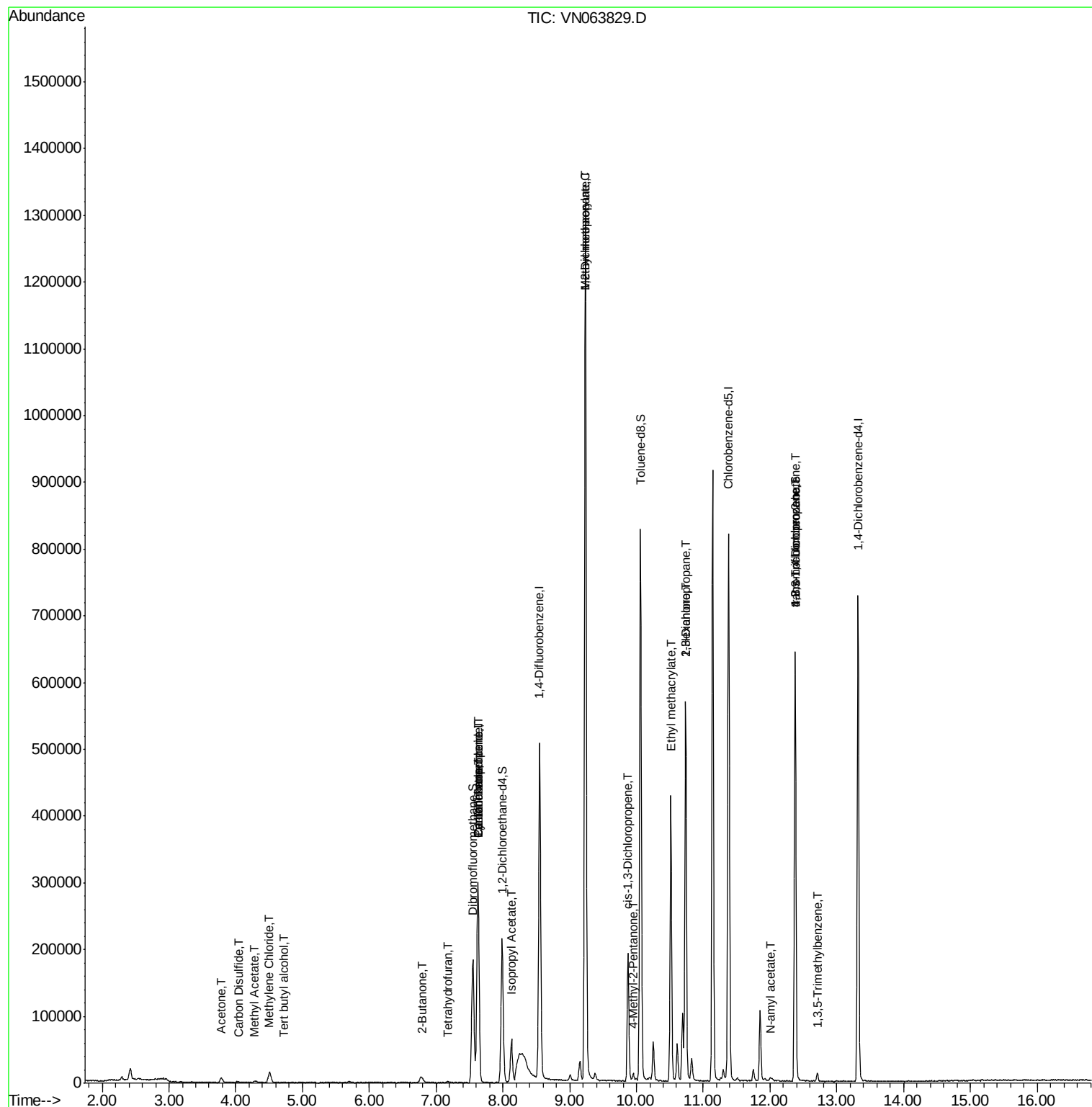
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	268	0.672	ug/l #	71
16) Acetone	3.78	43	12691	11.413	ug/l	92
17) Carbon Disulfide	4.04	76	105	0.718	ug/l #	76
18) Methyl Acetate	4.28	43	1545	0.535	ug/l #	55
20) Methylene Chloride	4.51	84	11092	4.444	ug/l #	82
25) 2-Butanone	6.79	43	4476	2.839	ug/l #	76
29) Tetrahydrofuran	7.17	42	735	0.695	ug/l #	67
31) Cyclohexane	7.63	56	6114	1.458	ug/l #	28
36) 1,1-Dichloropropene	7.62	75	19484	4.708	ug/l #	52
38) Carbon Tetrachloride	7.63	117	23436	5.050	ug/l #	13
43) Isopropyl Acetate	8.13	43	74699	11.014	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1380	0.432	ug/l #	44
48) Methyl methacrylate	9.23	41	135338	40.391	ug/l #	47
51) 4-Methyl-2-Pentanone	9.95	43	8612	2.164	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	30428	5.980	ug/l #	69
56) Ethyl methacrylate	10.51	69	1863	0.448	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4950	0.998	ug/l #	43
59) 2-Hexanone	10.74	43	90655	30.662	ug/l #	53
74) N-amyl acetate	12.01	43	3777	2.822	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	117722	30.385	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6530	0.607	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	117722	87.513	ug/l #	6

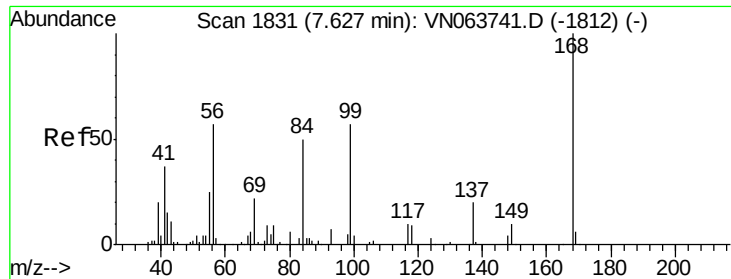
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063829.D

Acq: 2 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

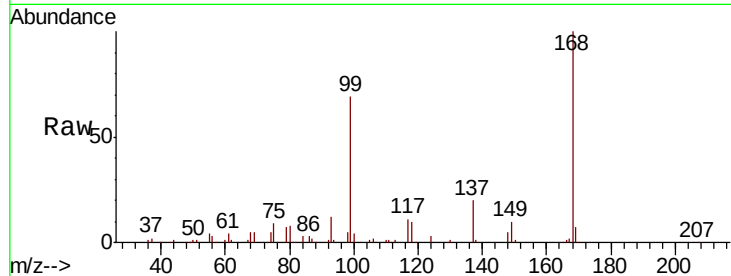
PB132030ZHE#08

Tot Ion:168 Resp: 218651

Ion Ratio Lower Upper

168 100

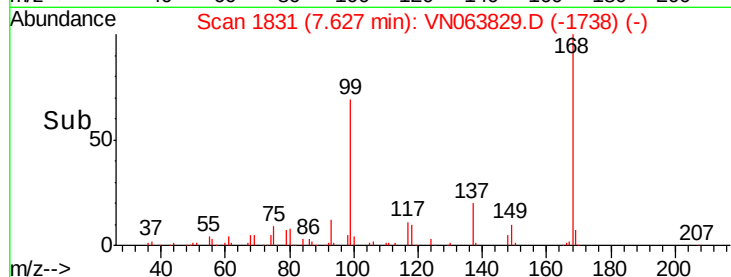
99 68.6 51.8 77.6



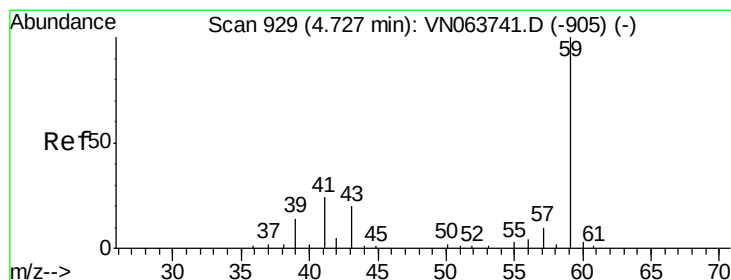
Abundance Ion 167.90 (167.60 to 168.60): VN063829.D

Ion 98.90 (98.60 to 99.60): VN063829.D

7.63



Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.672 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063829.D

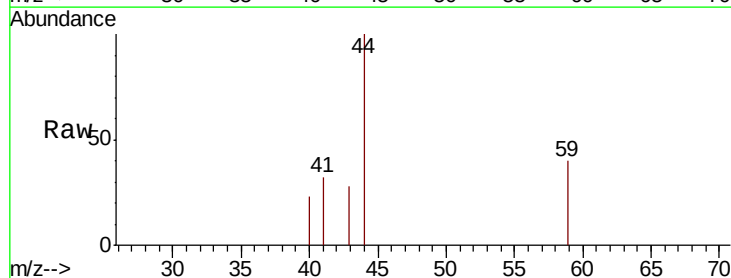
Acq: 2 Oct 2020 18:20

Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

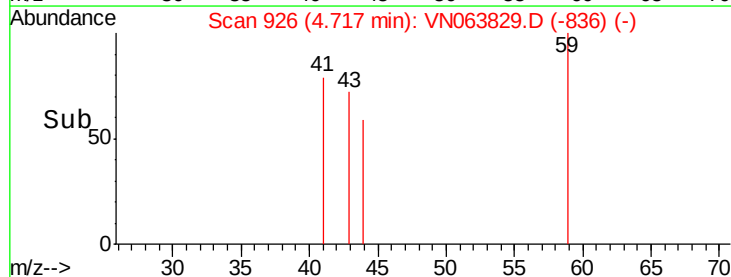
57 0.0 8.7 13.1#



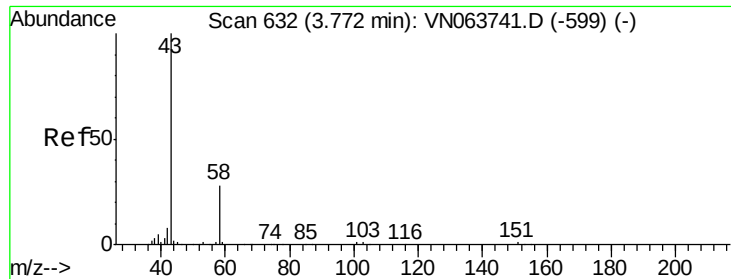
Abundance Ion 59.00 (58.70 to 59.70): VN063829.D

Ion 57.00 (56.70 to 57.70): VN063829.D

4.72



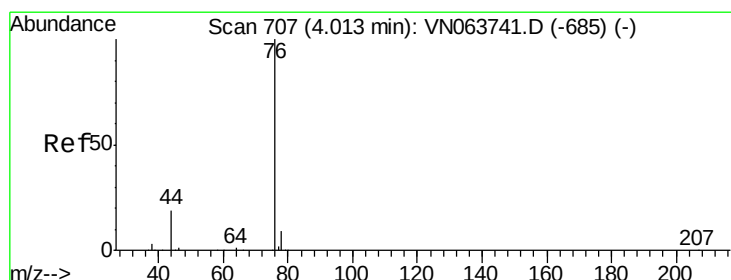
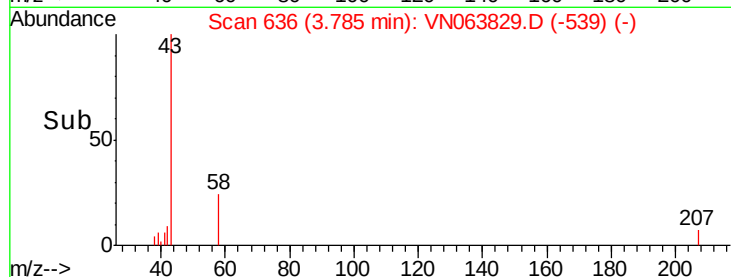
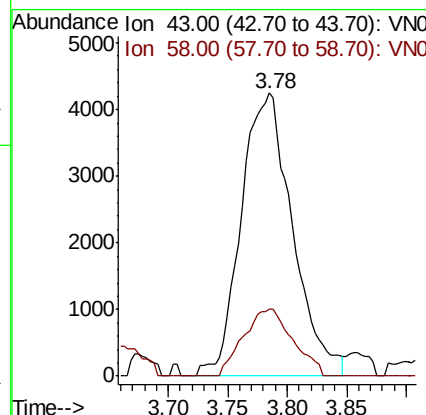
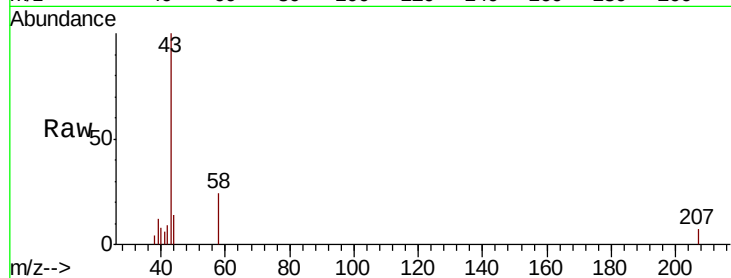
Time--> 4.70 4.71 4.72 4.73



#16
Acetone
Concen: 11.413 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

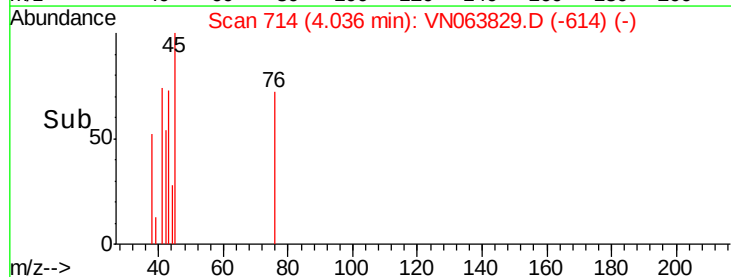
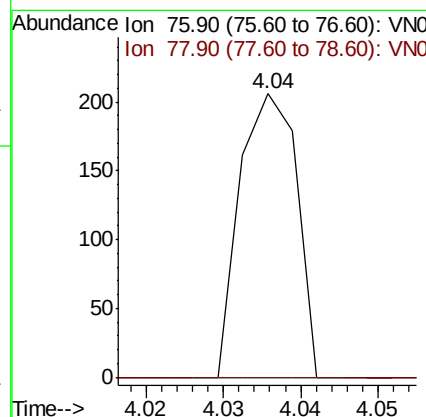
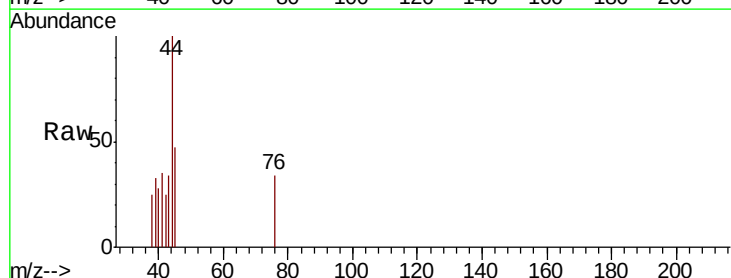
Instrument :
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ClientSampleId :
PB132030ZHE#08

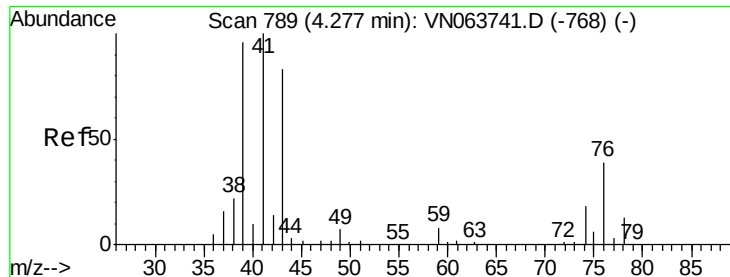
Tot Ion: 43 Resp: 12691
Ion Ratio Lower Upper
43 100
58 23.6 22.3 33.5



#17
Carbon Disulfide
Concen: 0.718 ug/l
RT: 4.04 min Scan# 714
Delta R.T. 0.02 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 76 Resp: 105
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

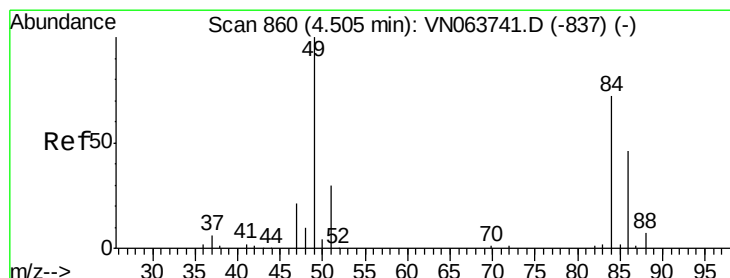
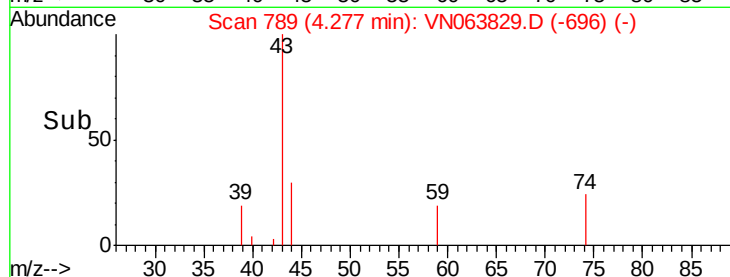
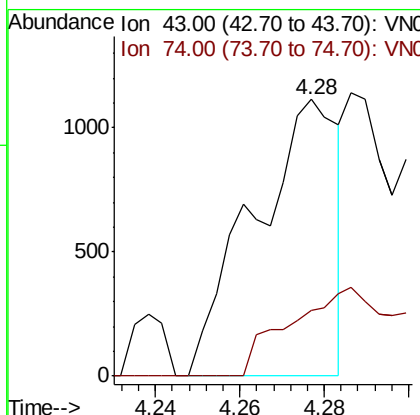
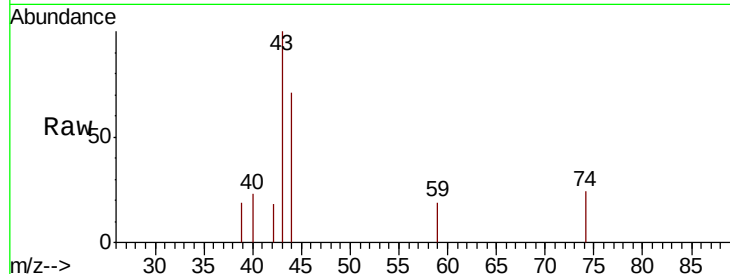




#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

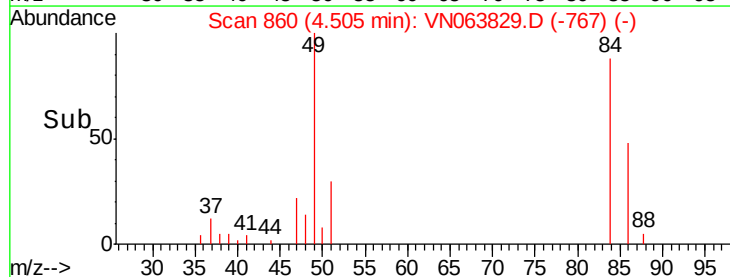
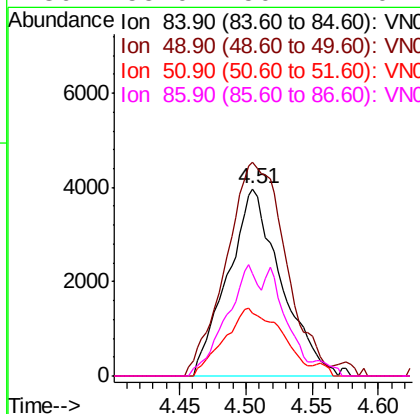
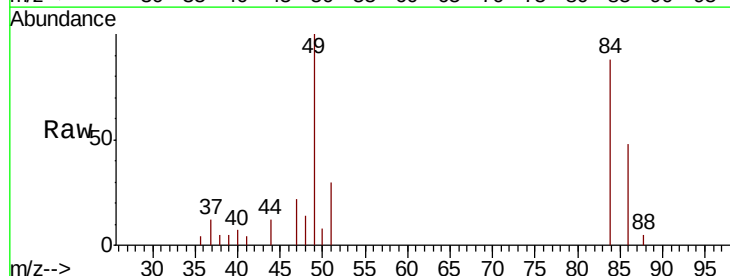
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

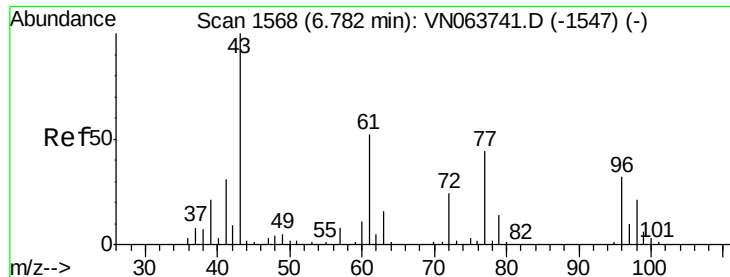
Tot Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
74 43.0 17.4 26.2#



#20
Methylene Chloride
Concen: 4.444 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 84 Resp: 11092
Ion Ratio Lower Upper
84 100
49 109.2 110.4 165.6#
51 33.9 33.3 49.9
86 55.0 50.7 76.1

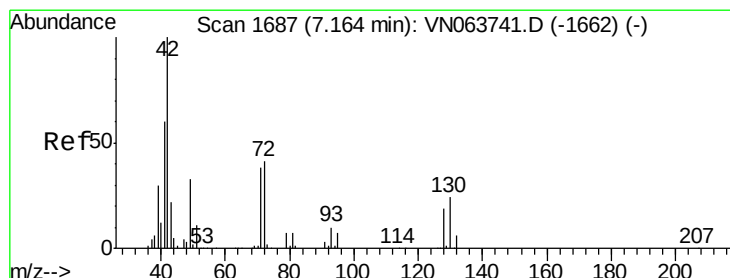
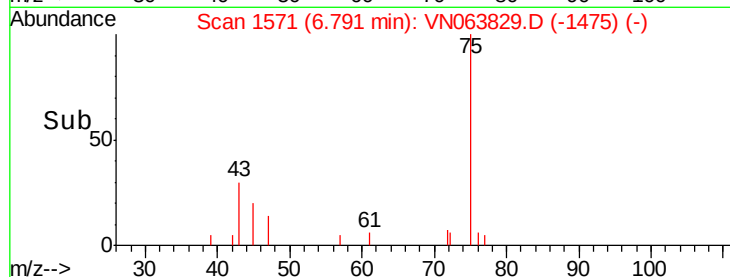
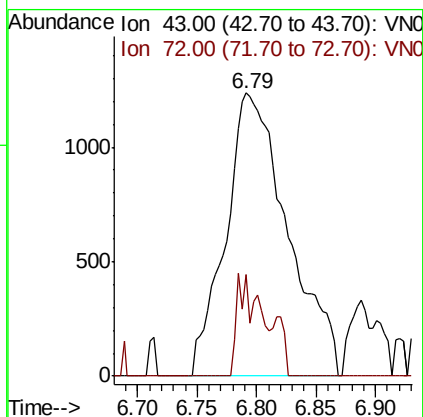
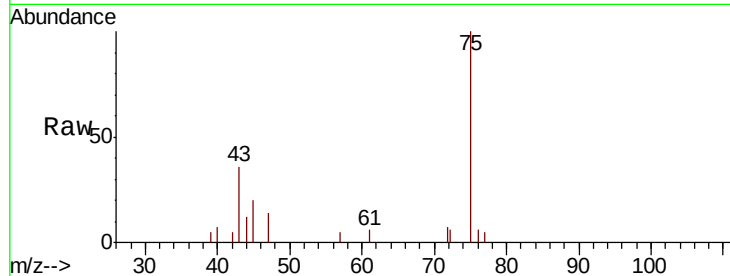




#25
2-Butanone
Concen: 2.839 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

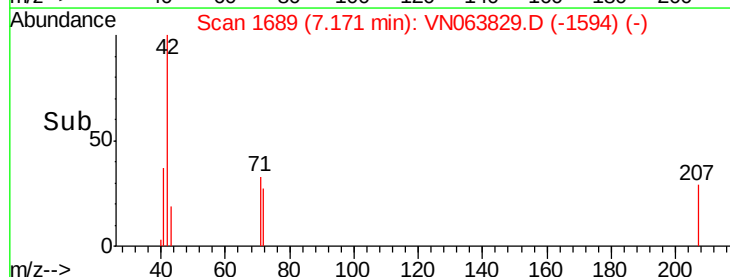
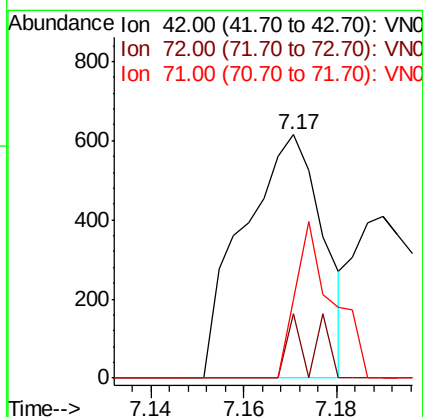
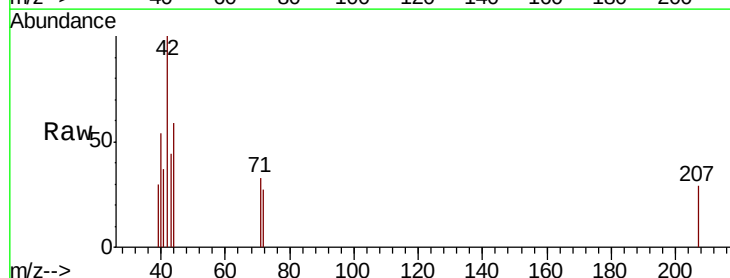
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

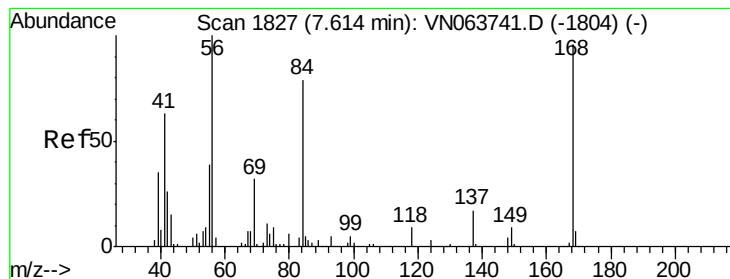
Tot Ion: 43 Resp: 4476
Ion Ratio Lower Upper
43 100
72 35.8 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.695 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 42 Resp: 735
Ion Ratio Lower Upper
42 100
72 8.6 32.8 49.2#
71 30.5 30.6 45.8#





#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063829.D

Acq: 2 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#08

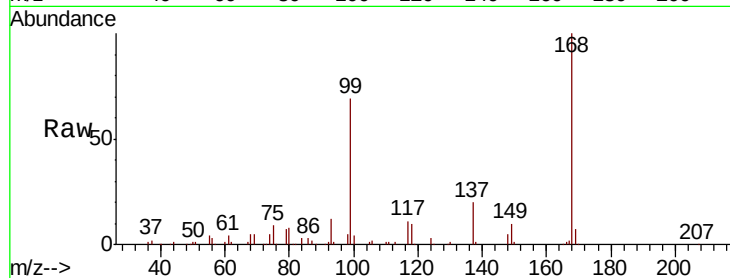
Tot Ion: 56 Resp: 6114

Ion Ratio Lower Upper

56 100

69 158.3 25.4 38.2#

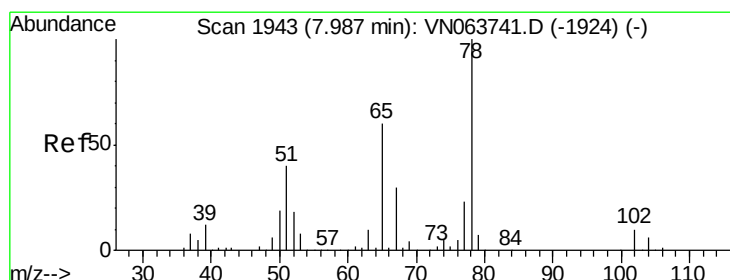
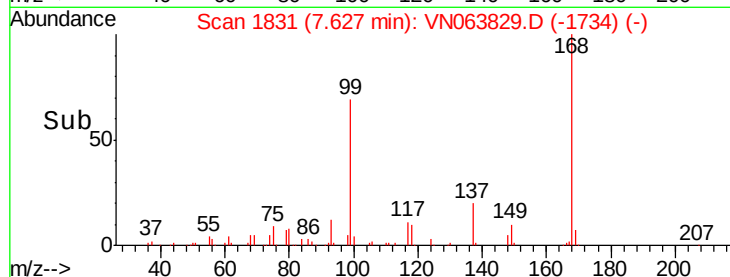
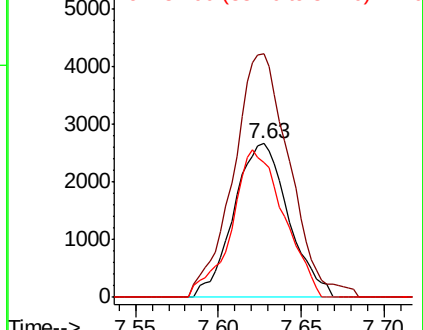
84 87.8 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.477 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063829.D

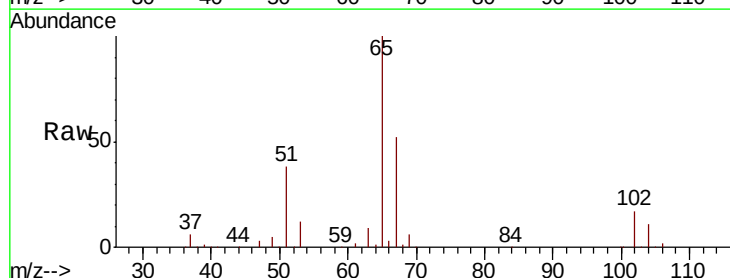
Acq: 2 Oct 2020 18:20

Tgt Ion: 65 Resp: 189560

Ion Ratio Lower Upper

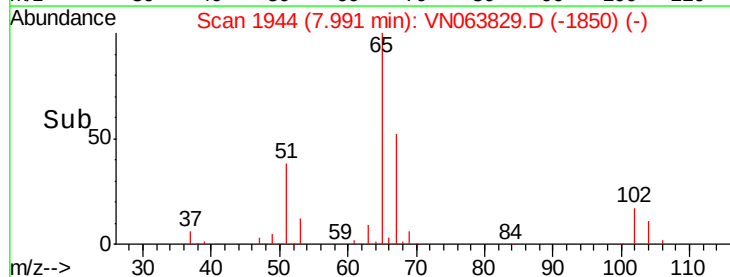
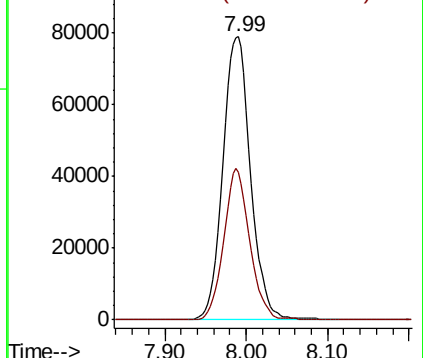
65 100

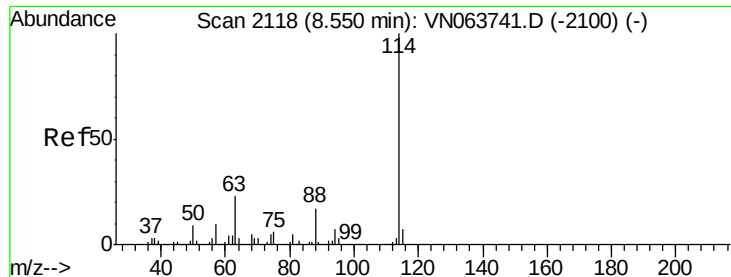
67 49.9 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

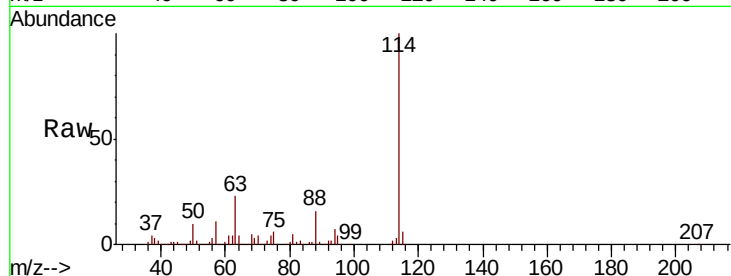




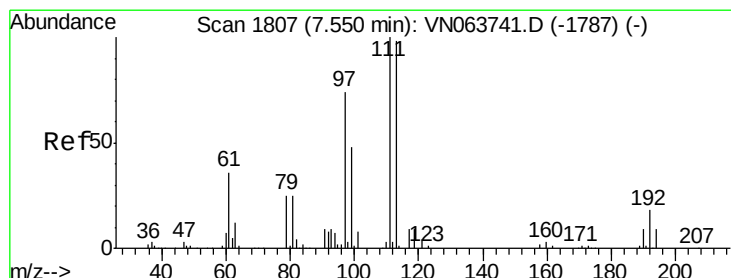
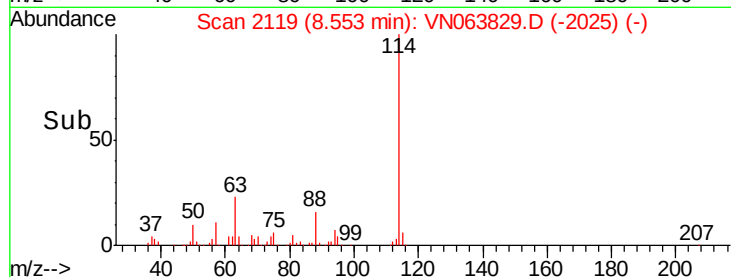
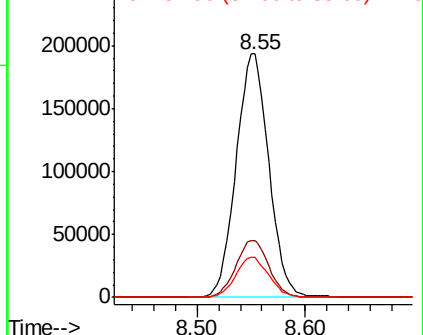
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

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Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.0
88	16.3	0.0	34.0

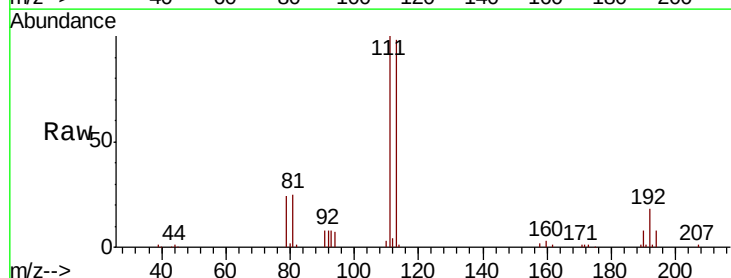


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

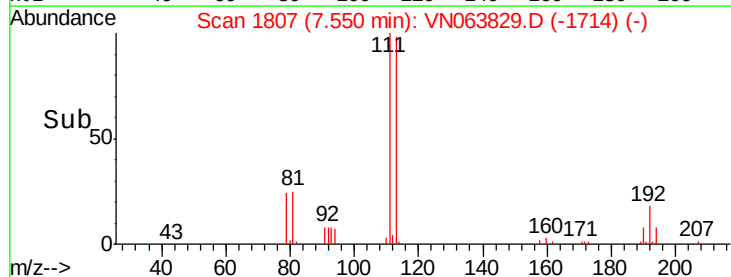
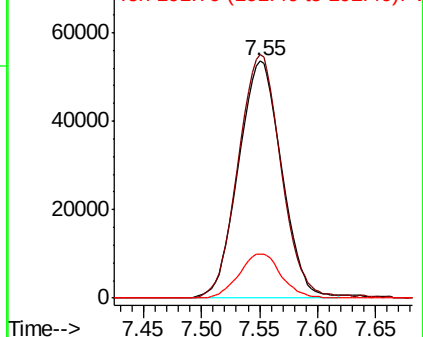


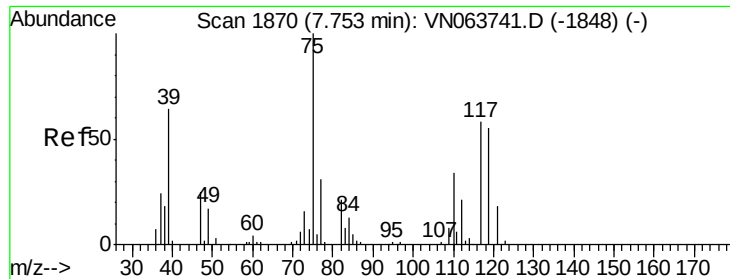
#35
Dibromofluoromethane
Concen: 48.896 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	18.3	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

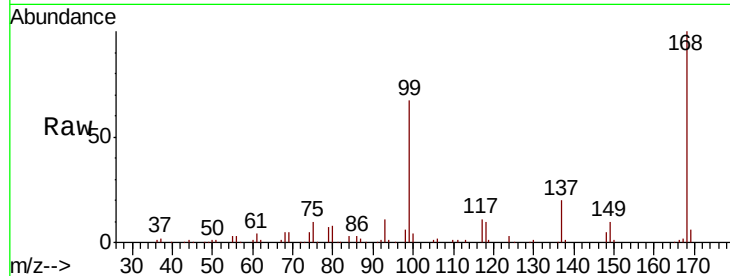




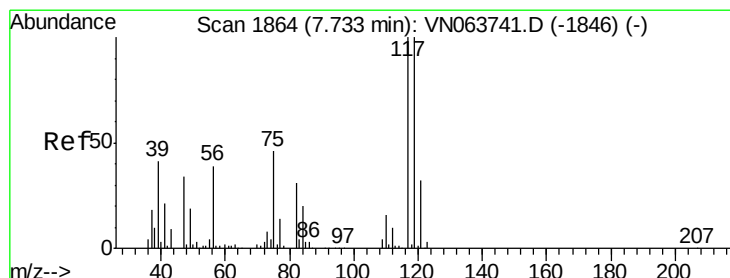
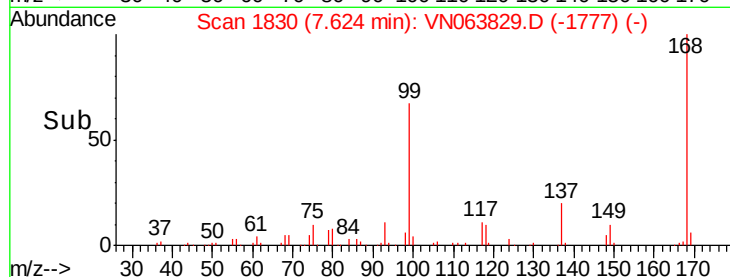
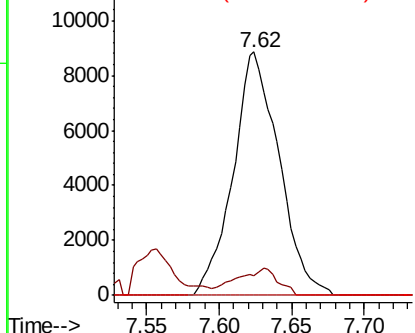
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063829.D
 Acq: 2 Oct 2020 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#08

Tot Ion: 75 Resp: 19484
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.9 50.6#
 77 0.0 24.5 36.7#

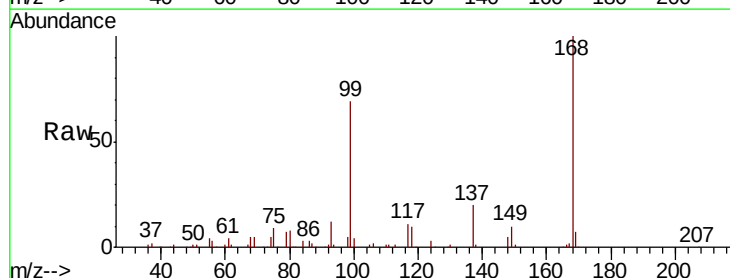


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

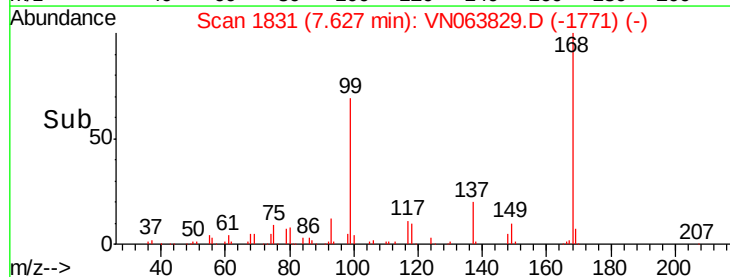
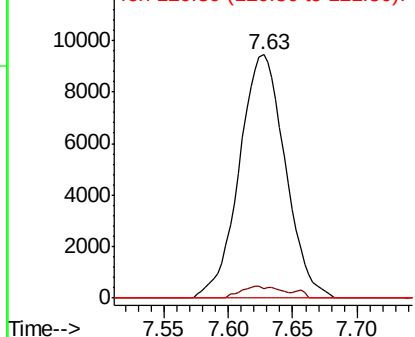


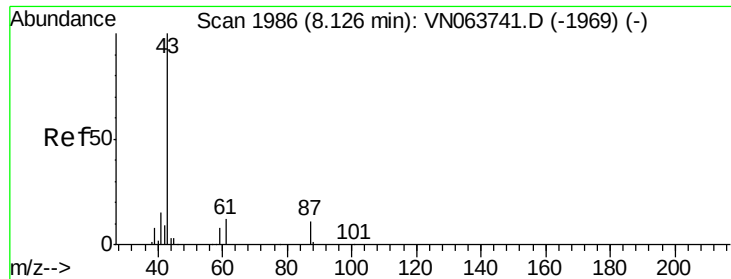
#38
 Carbon Tetrachloride
 Concen: 5.050 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063829.D
 Acq: 2 Oct 2020 18:20

Tgt Ion: 117 Resp: 23436
 Ion Ratio Lower Upper
 117 100
 119 4.0 80.1 120.1#
 121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 11.014 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063829.D

Acq: 2 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#08

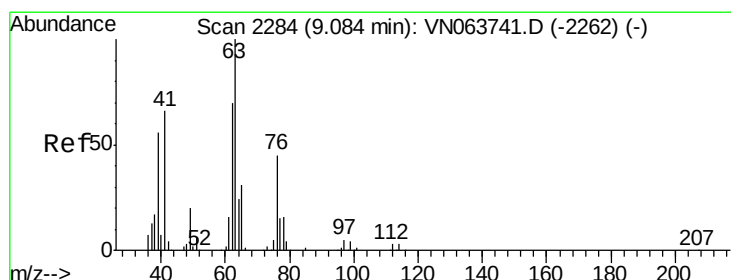
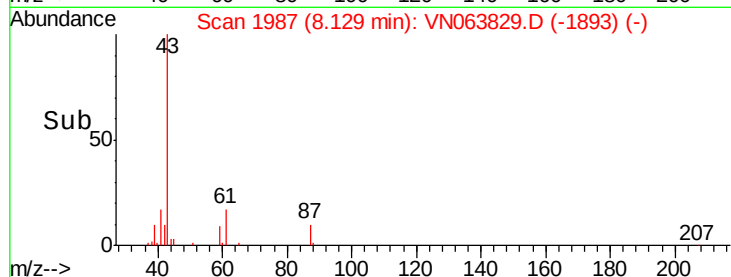
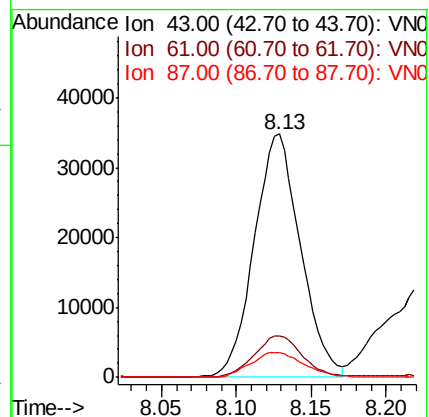
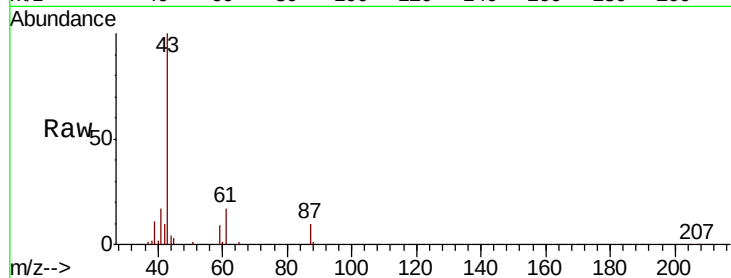
Tot Ion: 43 Resp: 74699

Ion Ratio Lower Upper

43 100

61 17.9 14.2 21.4

87 11.7 9.0 13.6



#45

1,2-Dichloropropane

Concen: 0.432 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063829.D

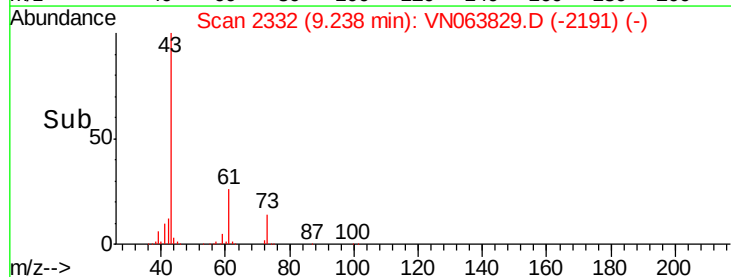
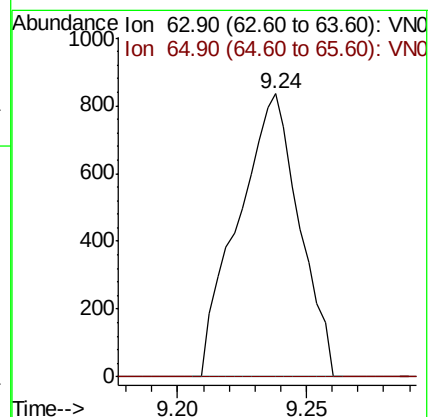
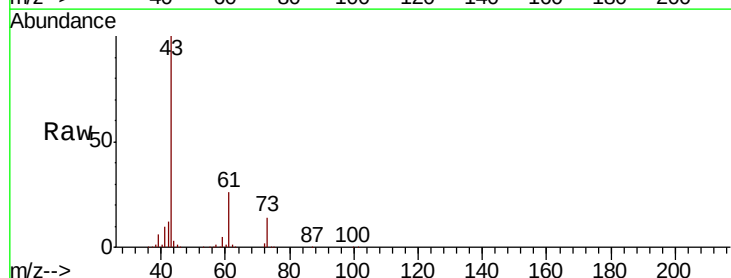
Acq: 2 Oct 2020 18:20

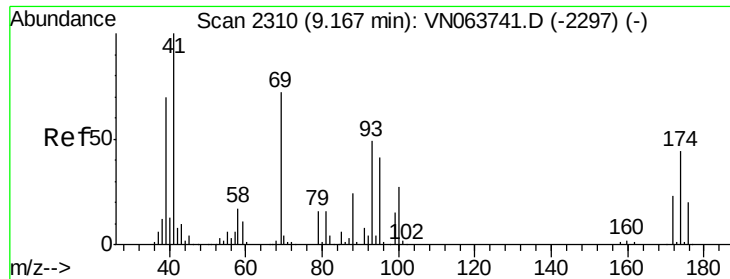
Tgt Ion: 63 Resp: 1380

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

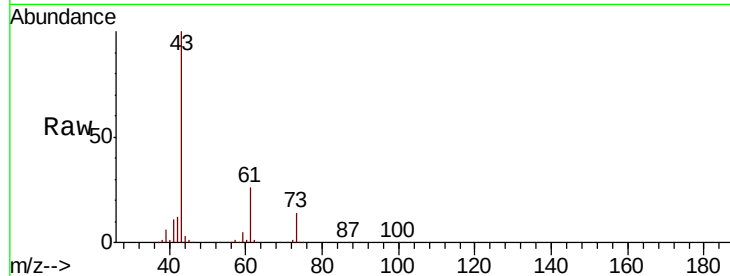




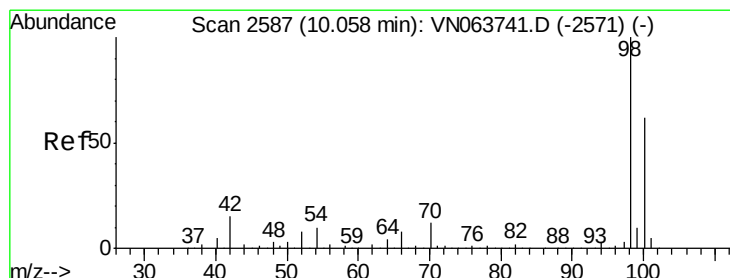
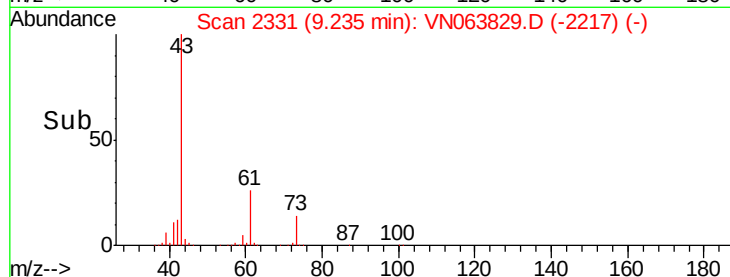
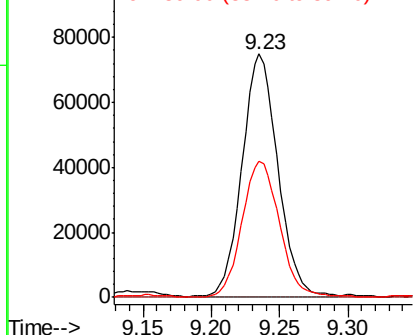
#48
Methvl methacrylate
Concen: 40.391 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

Tot Ion: 41 Resp: 135338
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 58.3 57.5 86.3

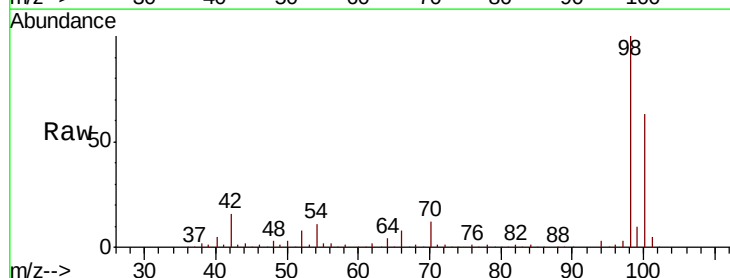


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

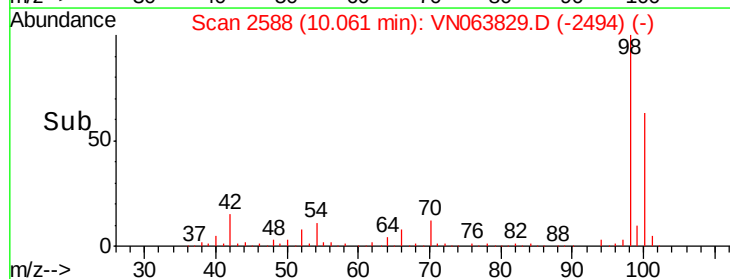
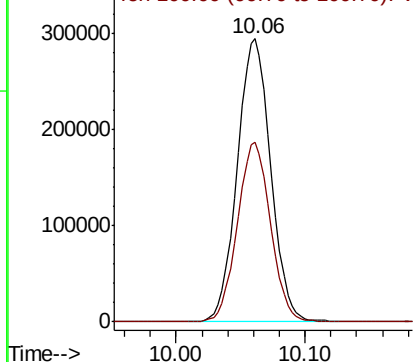


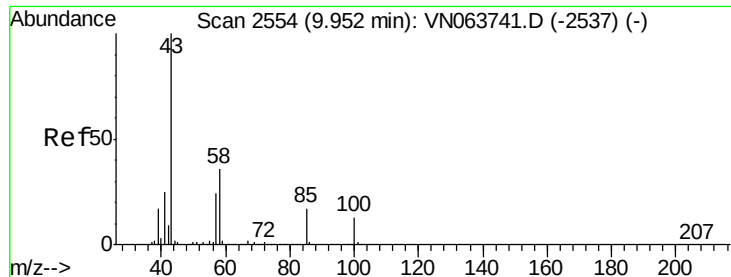
#50
Toluene-d8
Concen: 49.492 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 98 Resp: 531799
Ion Ratio Lower Upper
98 100
100 62.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

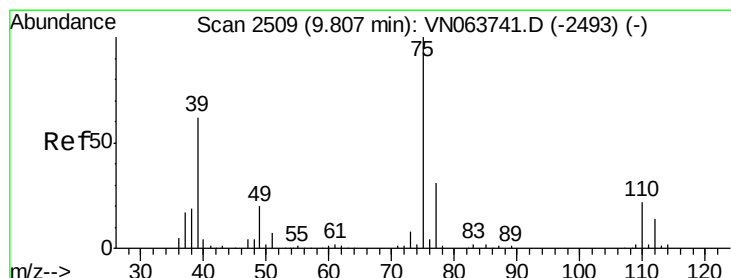
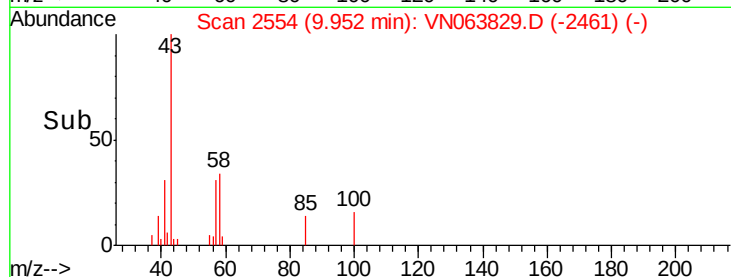
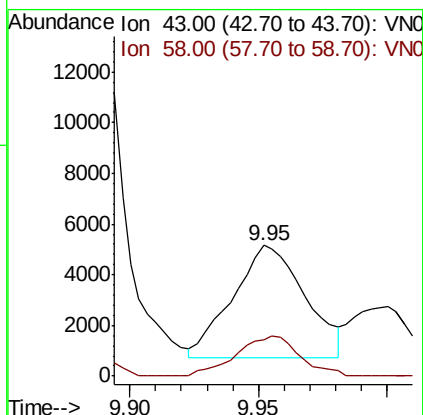
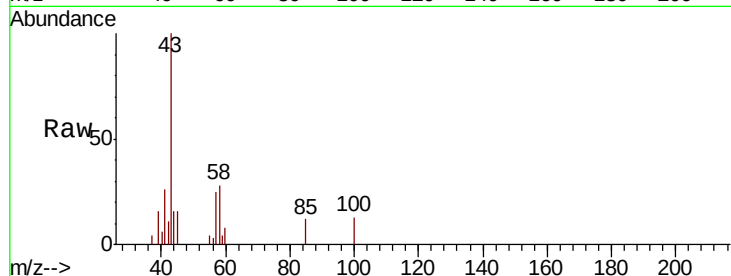




#51
4-Methyl-2-Pentanone
Concen: 2.164 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

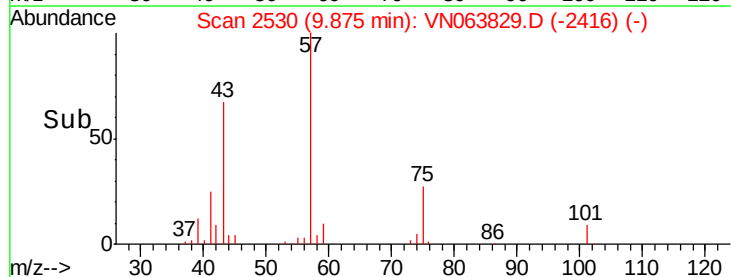
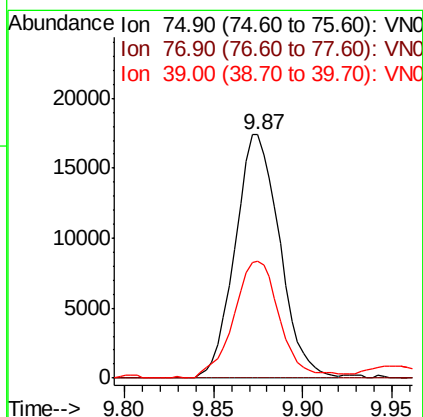
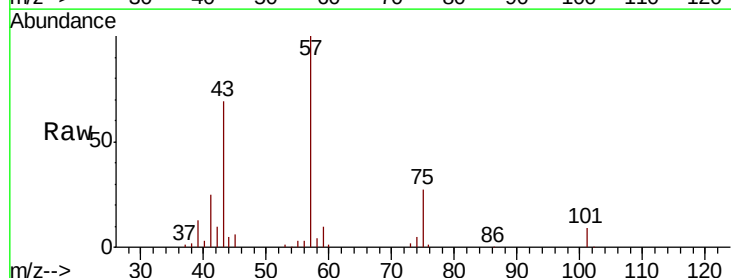
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

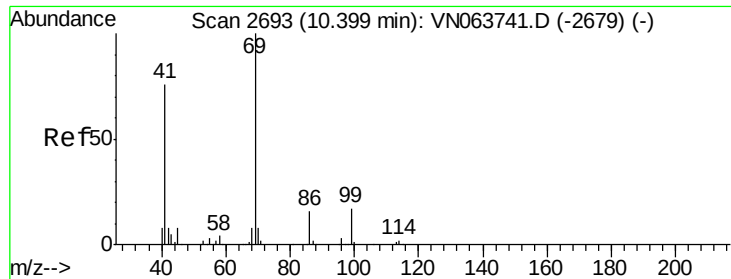
Tot Ion: 43 Resp: 8612
Ion Ratio Lower Upper
43 100
58 31.6 28.4 42.6



#54
cis-1,3-Dichloropropene
Concen: 5.980 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 75 Resp: 30428
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 48.2 49.7 74.5#





#56

Ethyl methacrylate

Concen: 0.448 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063829.D

Acq: 2 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#08

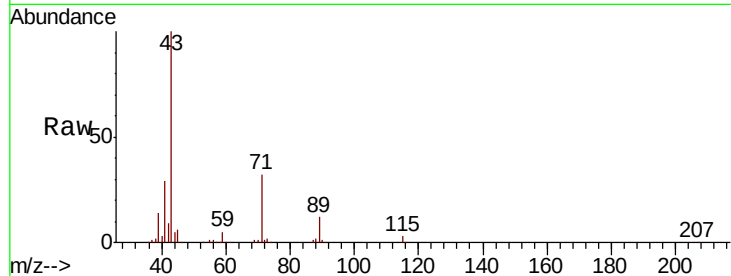
Tot Ion: 69 Resp: 1863

Ion Ratio Lower Upper

69 100

41 4809.1 61.1 91.7#

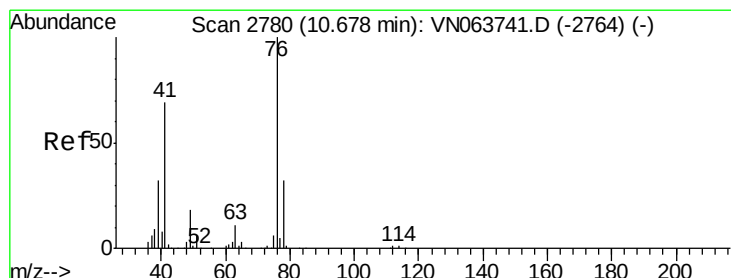
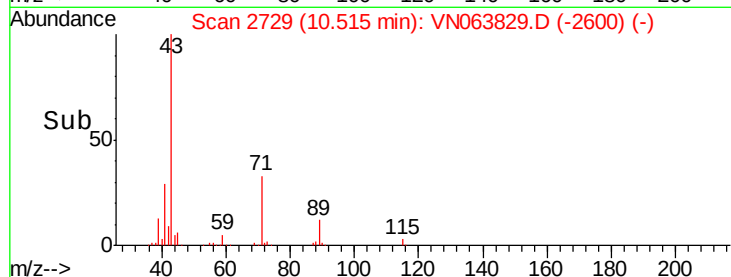
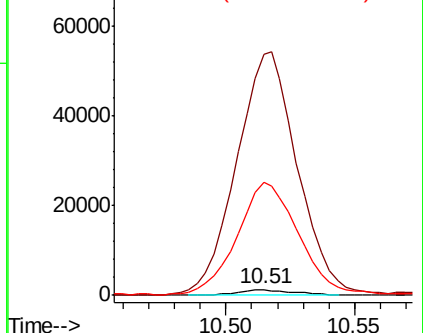
39 2221.8 42.2 63.4#



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: 0.998 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063829.D

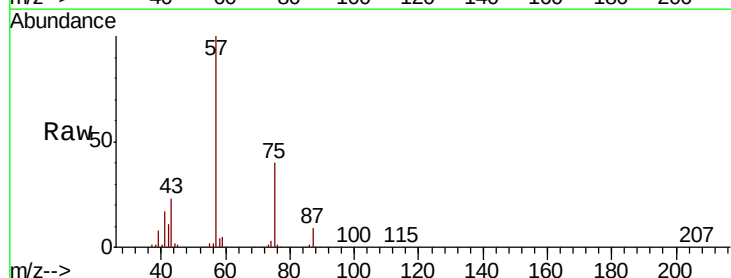
Acq: 2 Oct 2020 18:20

Tgt Ion: 76 Resp: 4950

Ion Ratio Lower Upper

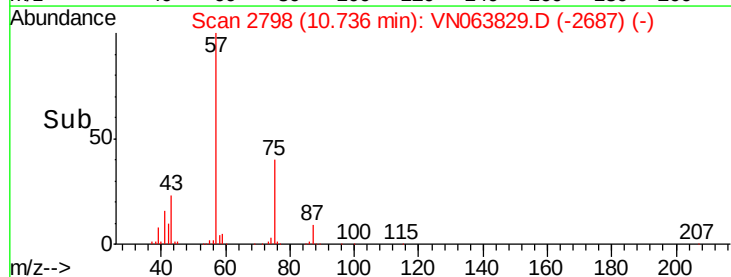
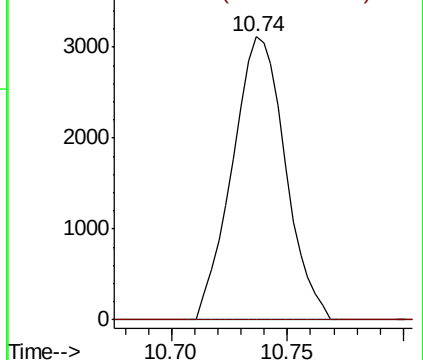
76 100

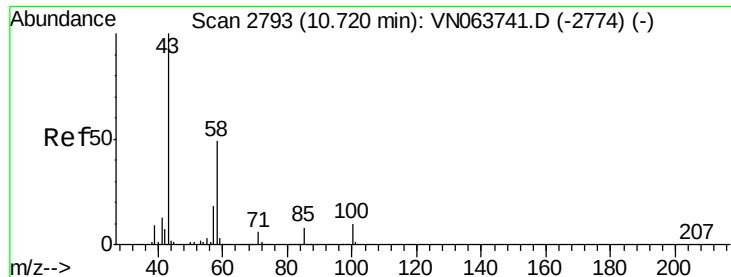
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

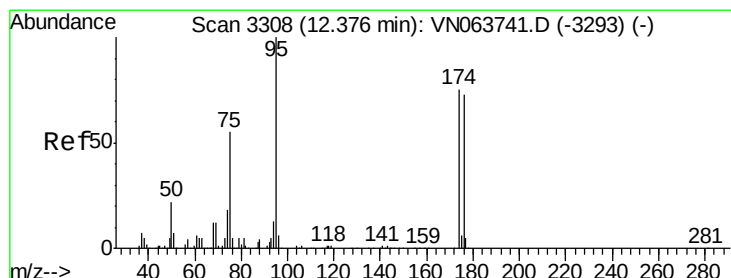
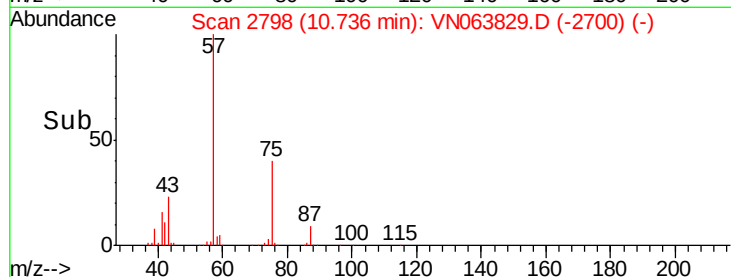
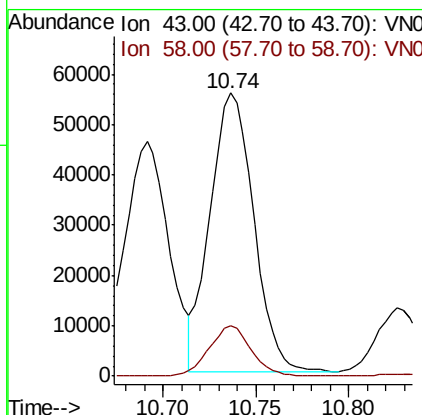
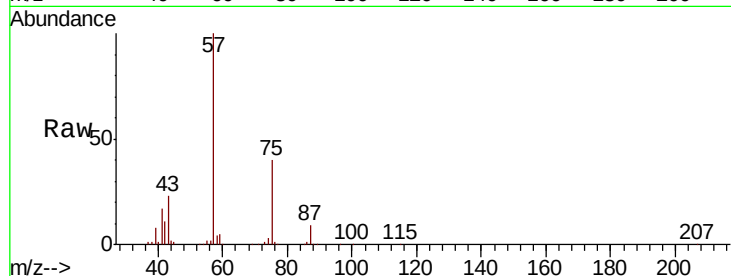




#59
2-Hexanone
Concen: 30.662 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

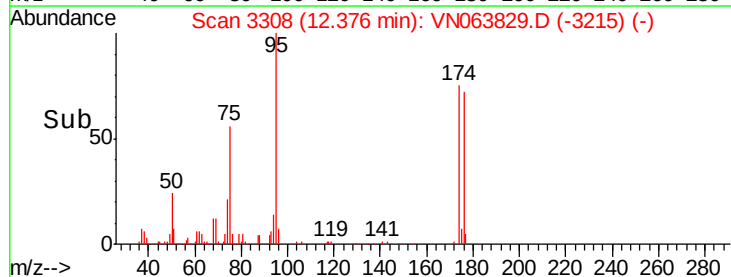
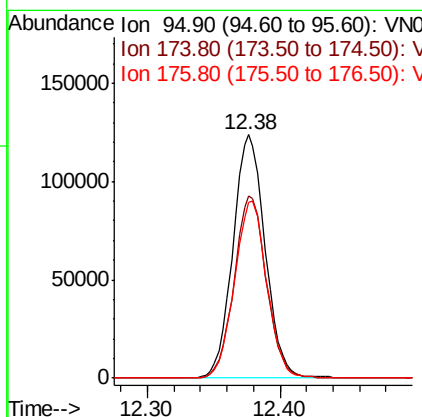
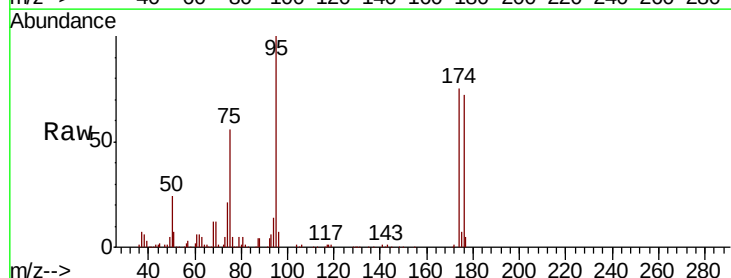
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

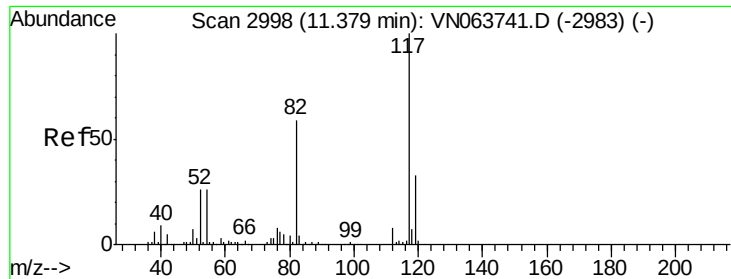
Tot Ion: 43 Resp: 90655
Ion Ratio Lower Upper
43 100
58 17.4 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 51.566 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion: 95 Resp: 208285
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.6
176 73.2 0.0 145.4

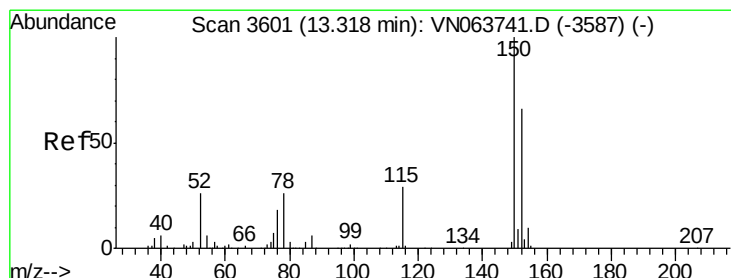
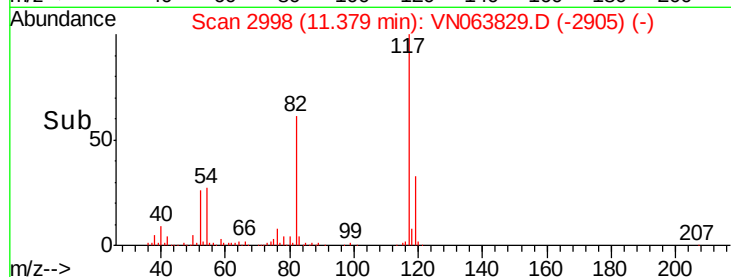
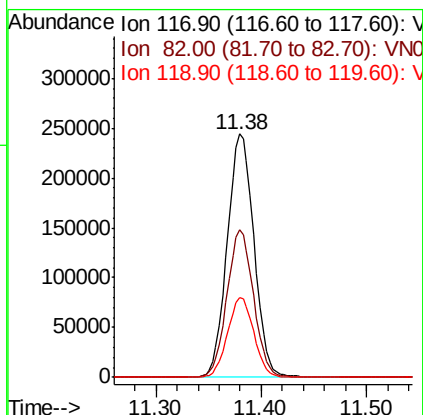
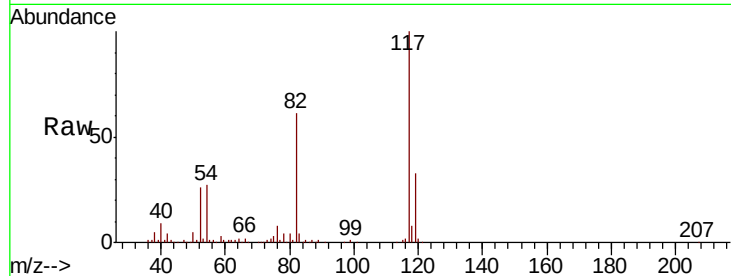




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

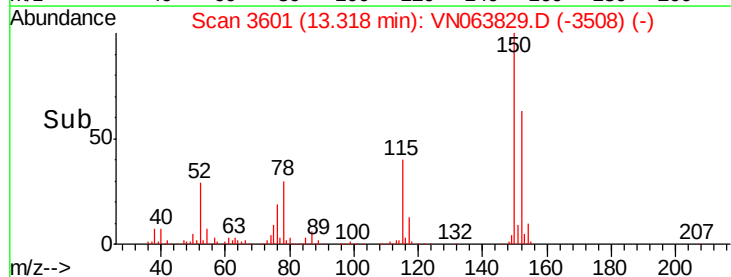
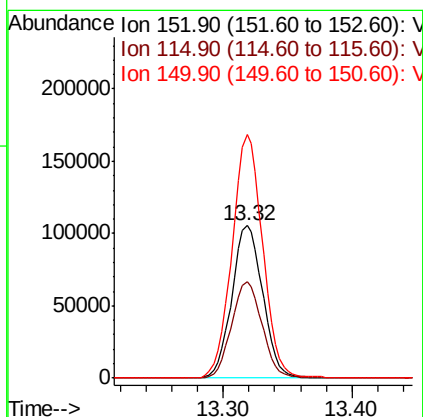
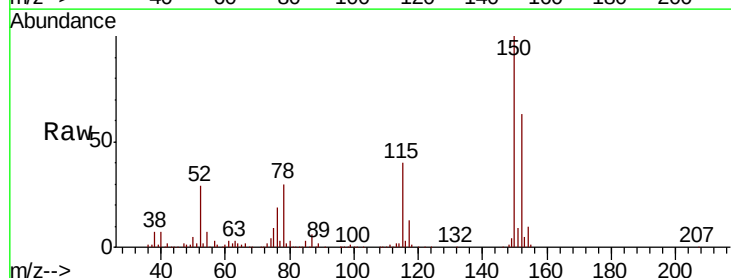
Instrument :
MSVOA_N
ClientSampleId :
PB132030ZHE#08

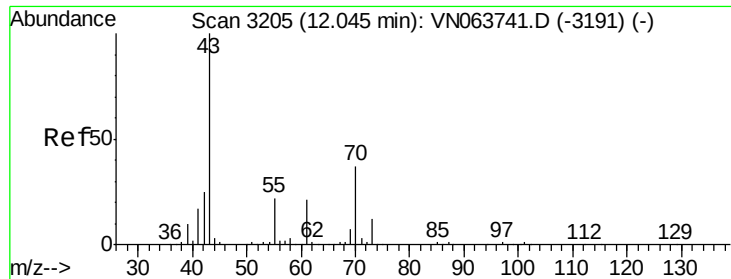
Tot Ion:117 Resp: 428382
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063829.D
Acq: 2 Oct 2020 18:20

Tgt Ion:152 Resp: 175756
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.8
150 157.6 0.0 341.8





#74

N-amvl acetate

Concen: 2.822 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN063829.D

Acq: 2 Oct 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

PB132030ZHE#08

Tot Ion: 43 Resp: 3777

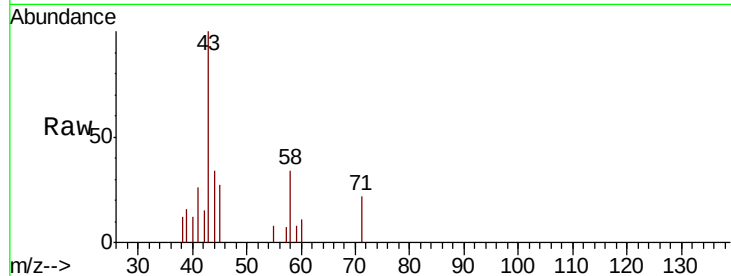
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 3.7 17.9 26.9#

61 2.9 17.0 25.4#

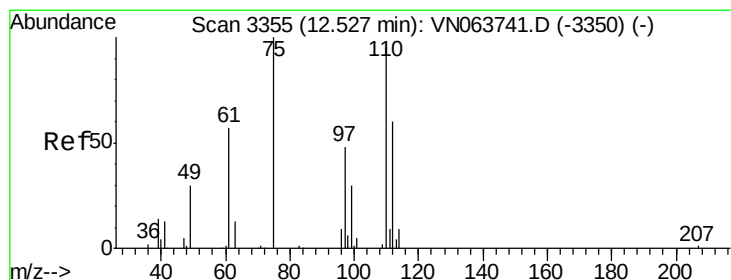
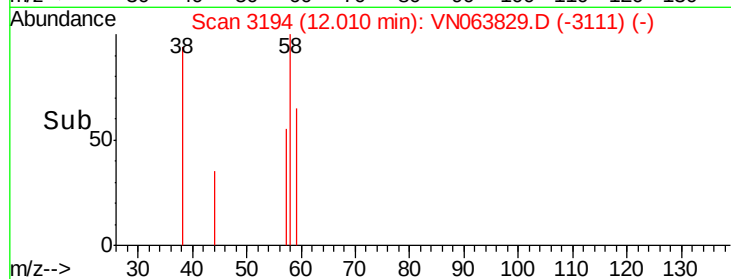
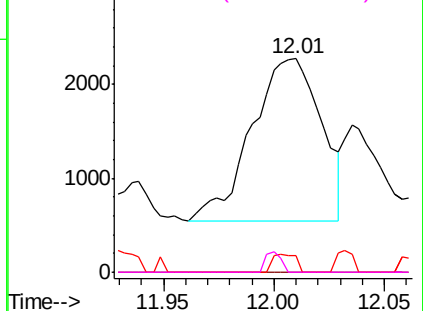


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.385 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063829.D

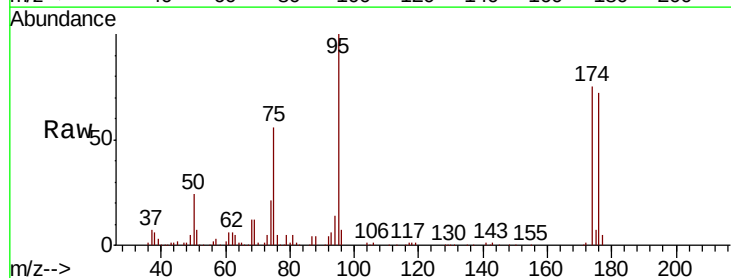
Acq: 2 Oct 2020 18:20

Tgt Ion: 75 Resp: 117722

Ion Ratio Lower Upper

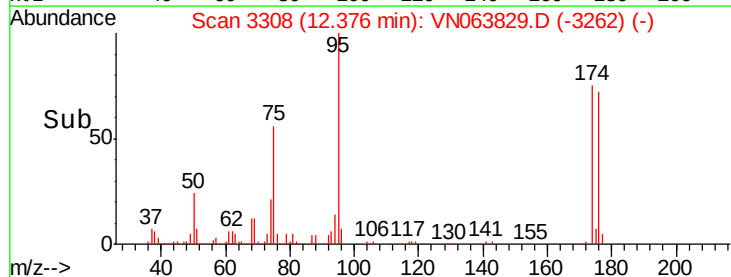
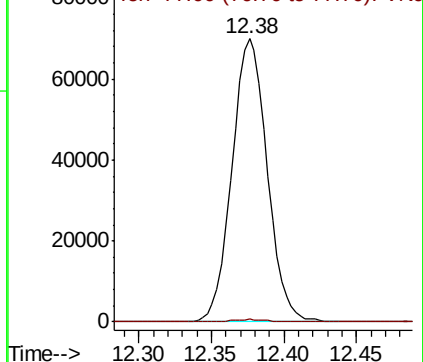
75 100

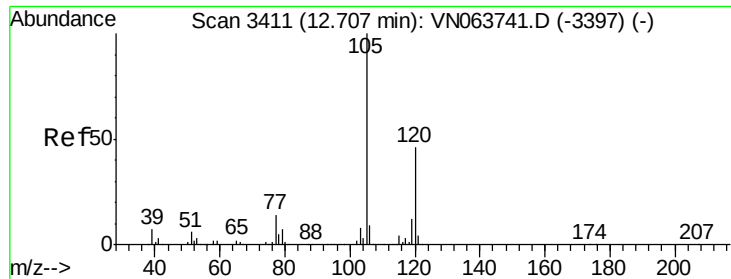
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

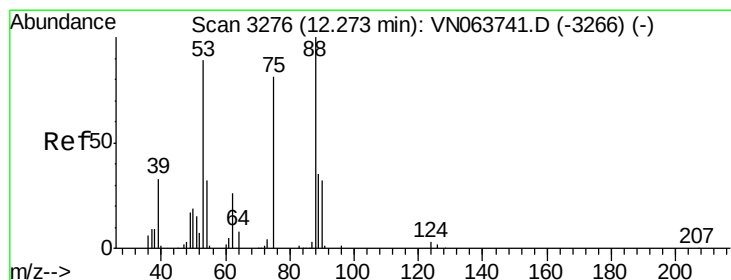
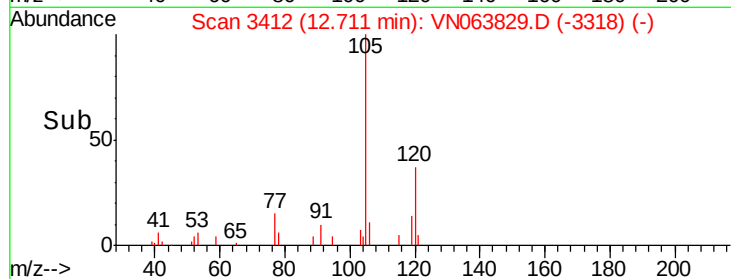
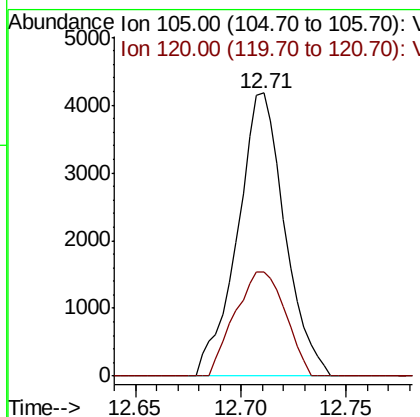
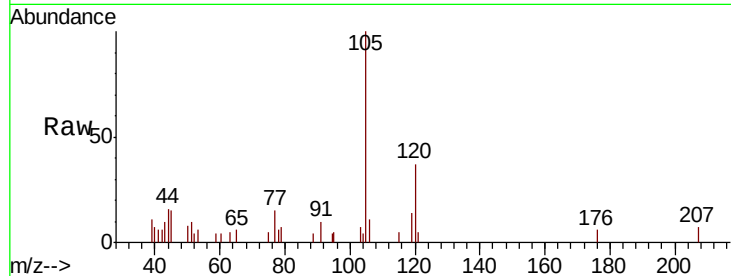




#80
 1,3,5-Trimethylbenzene
 Concen: 0.607 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN063829.D
 Acq: 2 Oct 2020 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132030ZHE#08

Tot Ion:105 Resp: 6530
 Ion Ratio Lower Upper
 105 100
 120 39.3 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.513 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063829.D
 Acq: 2 Oct 2020 18:20

Tgt Ion: 75 Resp: 117722
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.2 132.2#
 89 0.0 36.0 54.0#

