

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064016.D
 Acq On : 9 Oct 2020 3:16
 Operator : JC/MD
 Sample : PB132189ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132189ZHE#05

Quant Time: Oct 09 04:12:01 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	242741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	486847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	205369	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.55	113	151721	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	10.06	98	599466	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.38	95	230520	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

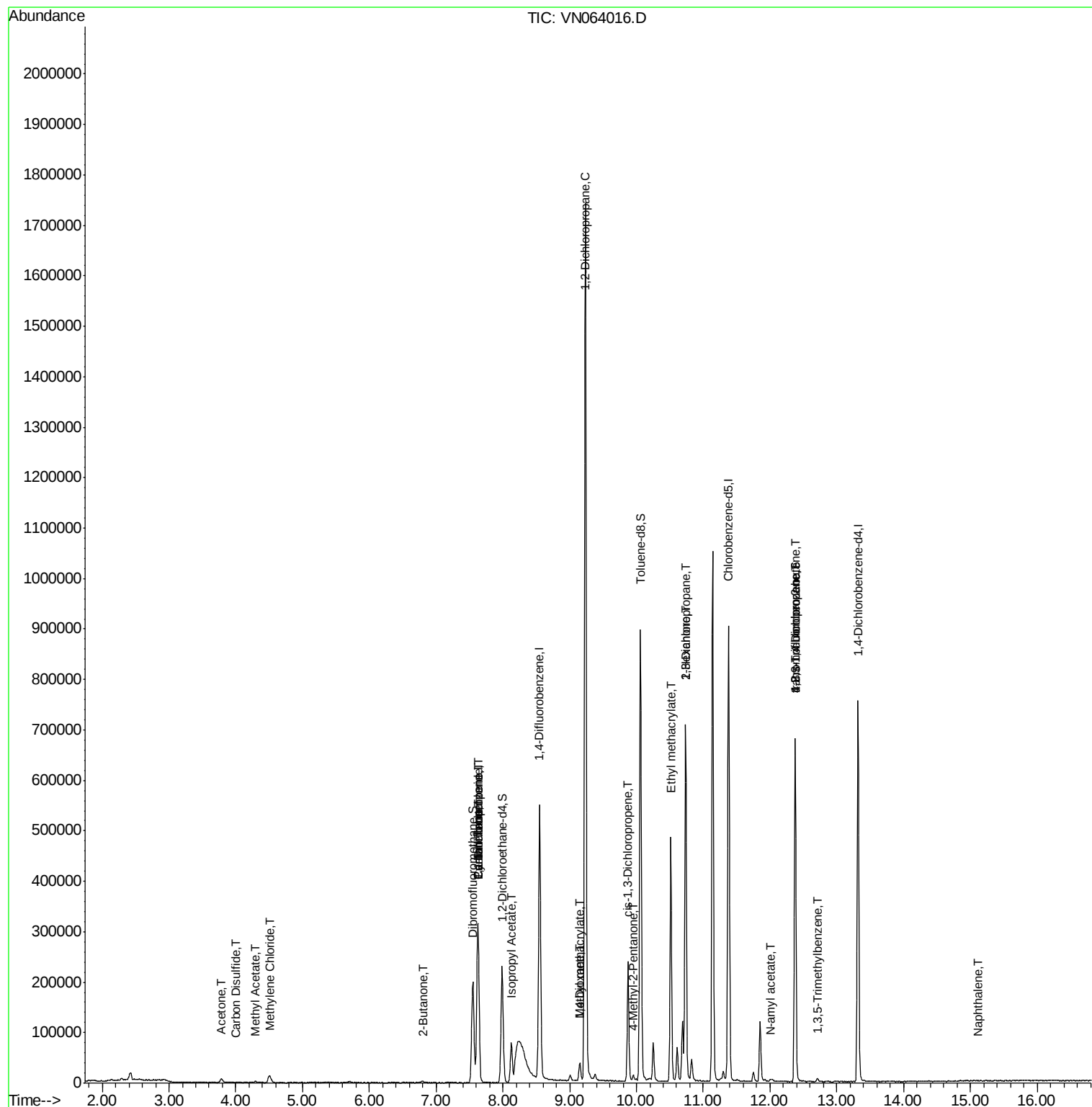
						Qvalue
16) Acetone	3.78	43	14439	11.696	ug/l	94
17) Carbon Disulfide	4.01	76	668	0.800	ug/l #	76
18) Methyl Acetate	4.29	43	3076	0.960	ug/l	91
20) Methylene Chloride	4.51	84	10177	3.690	ug/l	99
25) 2-Butanone	6.80	43	3940	2.251	ug/l	97
31) Cyclohexane	7.62	56	6318	1.357	ug/l #	13
36) 1,1-Dichloropropene	7.62	75	21337	4.504	ug/l #	50
38) Carbon Tetrachloride	7.62	117	26039	4.902	ug/l #	16
43) Isopropyl Acetate	8.13	43	94100	12.122	ug/l	100
45) 1,2-Dichloropropane	9.23	63	2158	0.591	ug/l #	44
48) Methyl methacrylate	9.14	41	5205	1.357	ug/l #	12
49) 1,4-Dioxane	9.16	88	30	0.550	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9138	2.006	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	34950	6.001	ug/l #	64
56) Ethyl methacrylate	10.51	69	2473	0.520	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6471	1.140	ug/l #	43
59) 2-Hexanone	10.74	43	110153	32.549	ug/l #	54
74) N-amyl acetate	12.01	43	4544	2.889	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	124975	29.810	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3230	0.278	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124975	85.858	ug/l #	6
95) Naphthalene	15.11	128	314	1.954	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100820\
Data File : VN064016.D
Acq On : 9 Oct 2020 3:16
Operator : JC/MD
Sample : PB132189ZHE#05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB132189ZHE#05

Quant Time: Oct 09 04:12:01 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: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

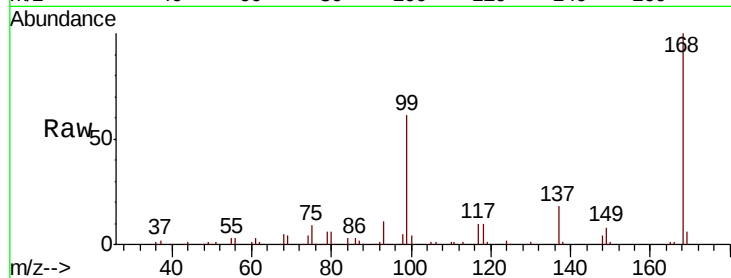
PB132189ZHE#05

Tot Ion:168 Resp: 242741

Ion Ratio Lower Upper

168 100

99 60.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

120000

100000

80000

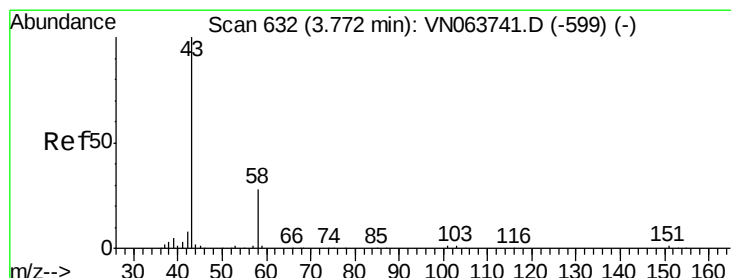
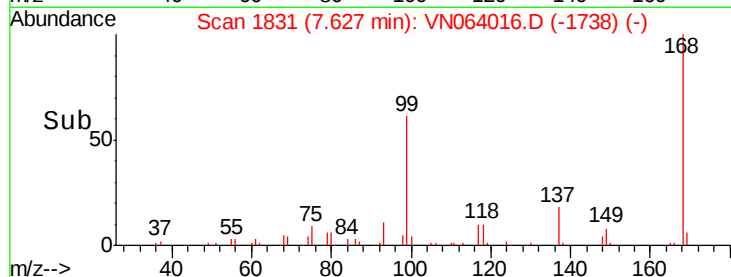
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 11.696 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064016.D

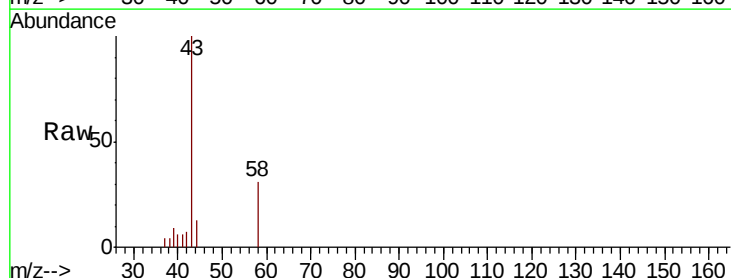
Acq: 9 Oct 2020 3:16

Tgt Ion: 43 Resp: 14439

Ion Ratio Lower Upper

43 100

58 31.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

3.78

5000

4000

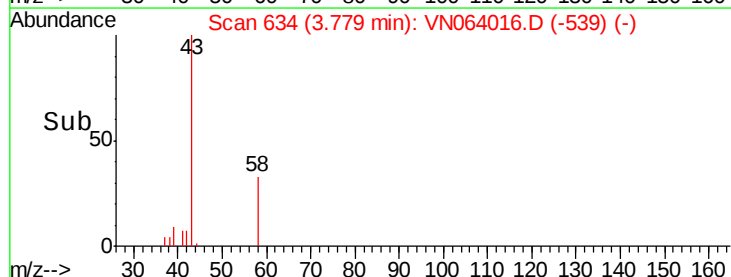
3000

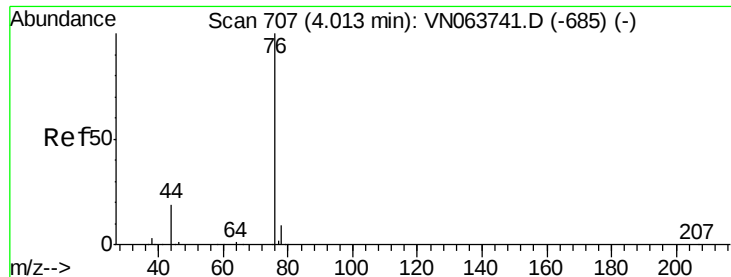
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 0.800 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

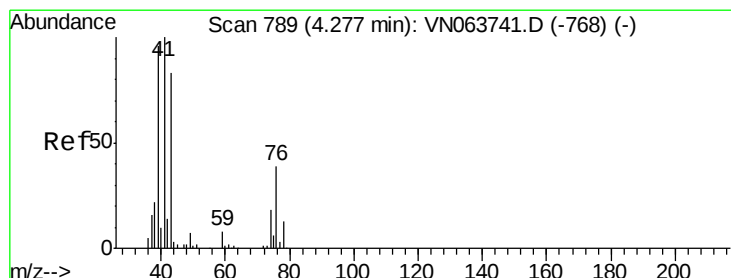
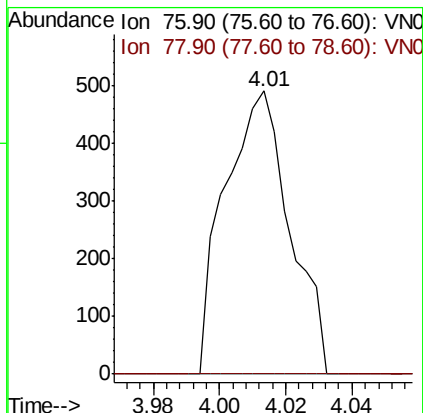
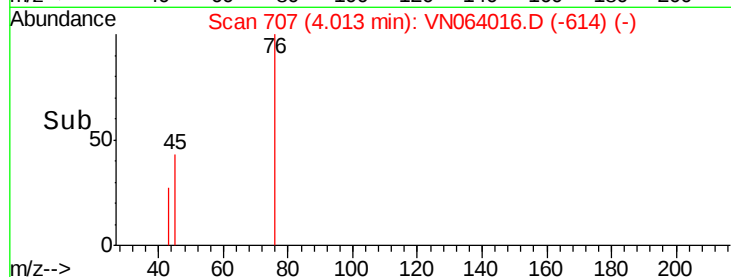
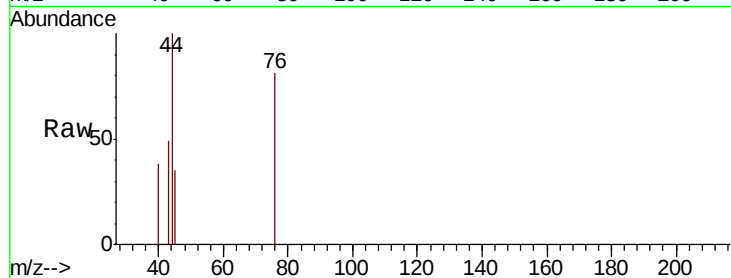
PB132189ZHE#05

Tot Ion: 76 Resp: 668

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 0.960 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064016.D

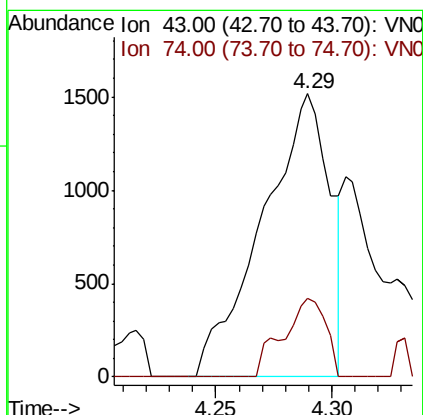
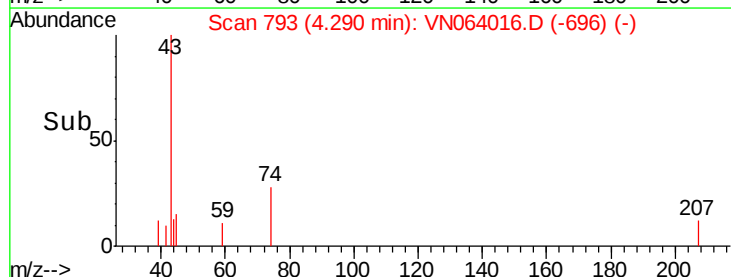
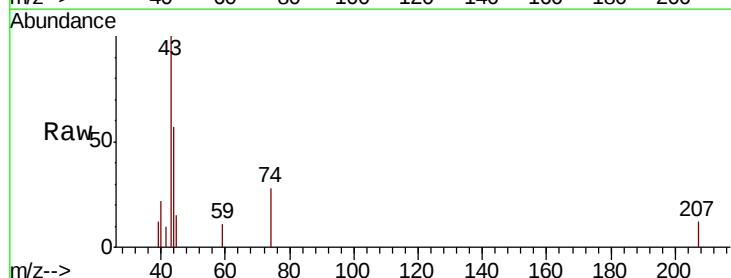
Acq: 9 Oct 2020 3:16

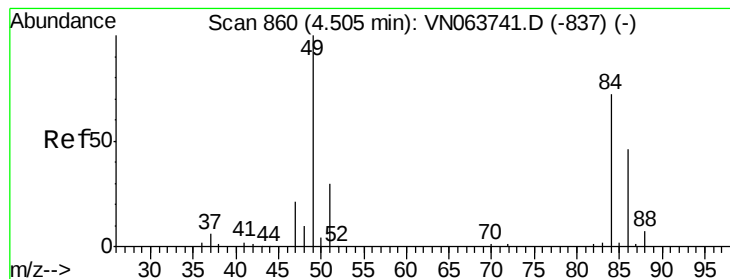
Tgt Ion: 43 Resp: 3076

Ion Ratio Lower Upper

43 100

74 17.7 17.4 26.2





#20

Methvlene Chloride

Concen: 3.690 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

Tot Ion: 84 Resp: 10177

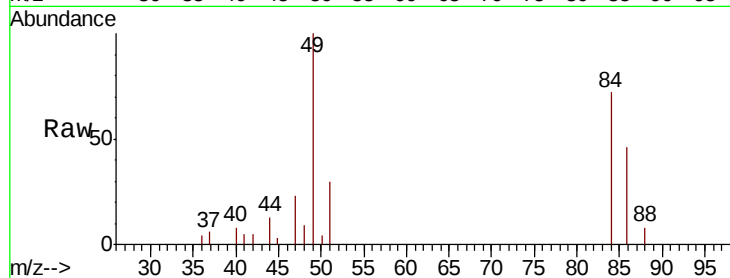
Ion Ratio Lower Upper

84 100

49 139.8 110.4 165.6

51 41.6 33.3 49.9

86 63.9 50.7 76.1

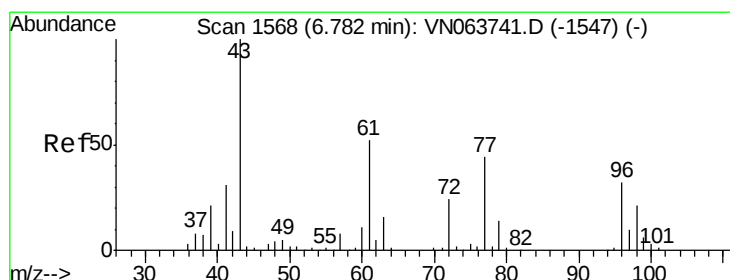
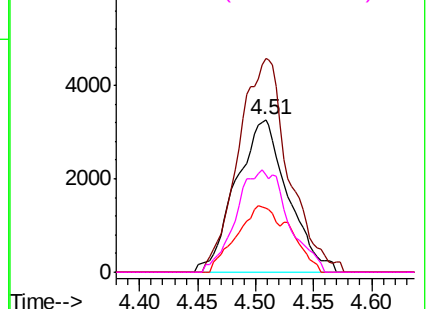
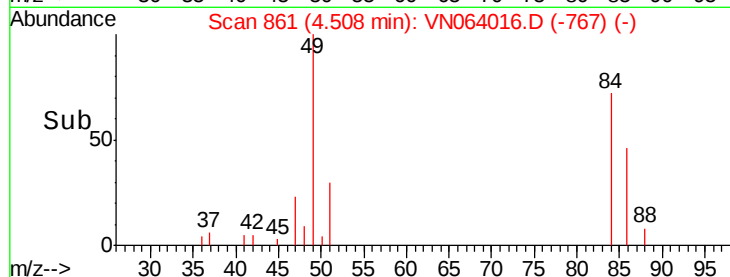


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 2.251 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN064016.D

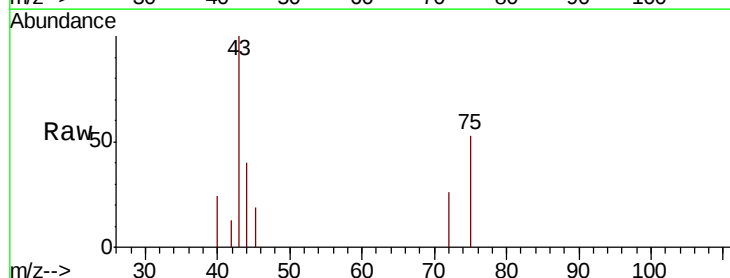
Acq: 9 Oct 2020 3:16

Tgt Ion: 43 Resp: 3940

Ion Ratio Lower Upper

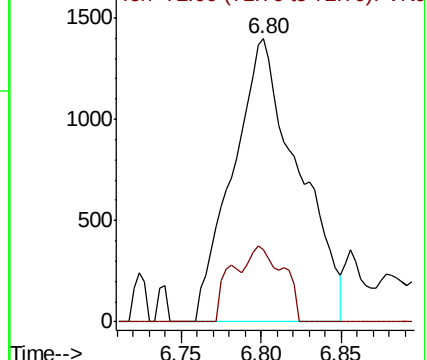
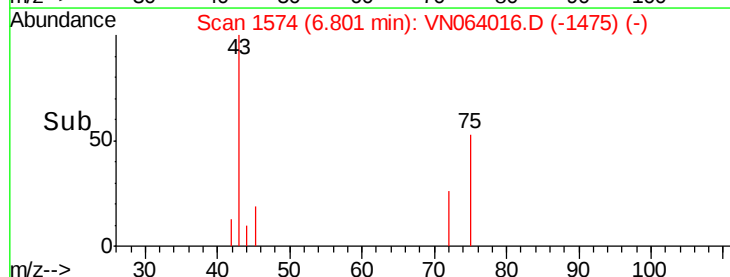
43 100

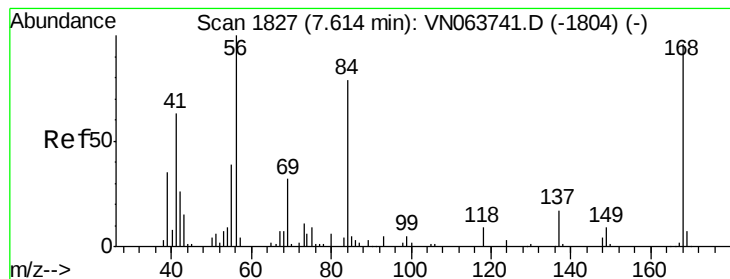
72 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.357 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

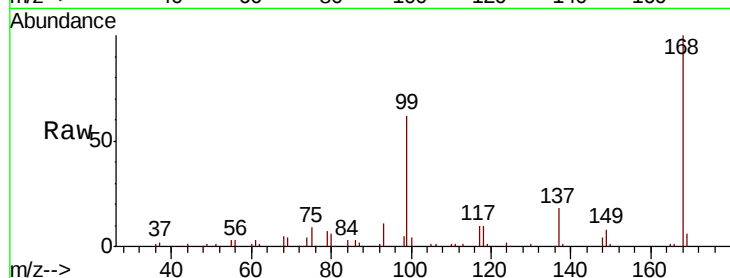
Tot Ion: 56 Resp: 6318

Ion Ratio Lower Upper

56 100

69 156.8 25.4 38.2#

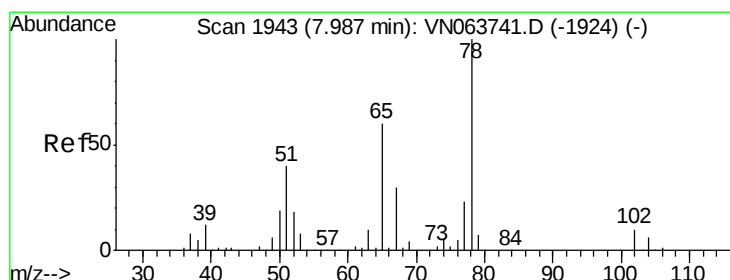
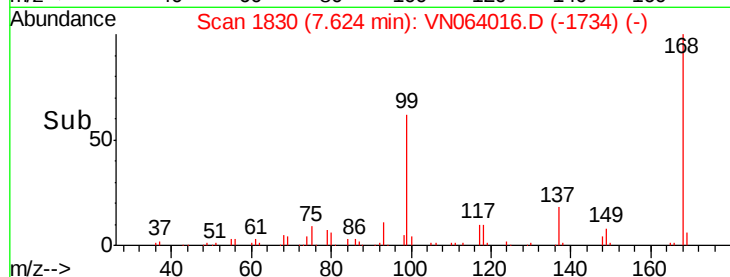
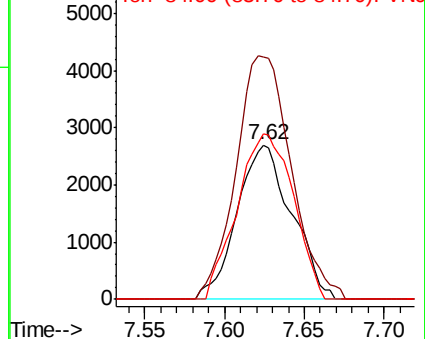
84 106.9 63.3 94.9#



Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN063741.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN063741.D (-1804) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.211 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064016.D

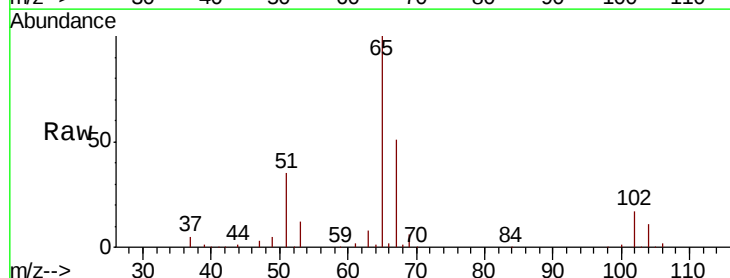
Acq: 9 Oct 2020 3:16

Tgt Ion: 65 Resp: 205369

Ion Ratio Lower Upper

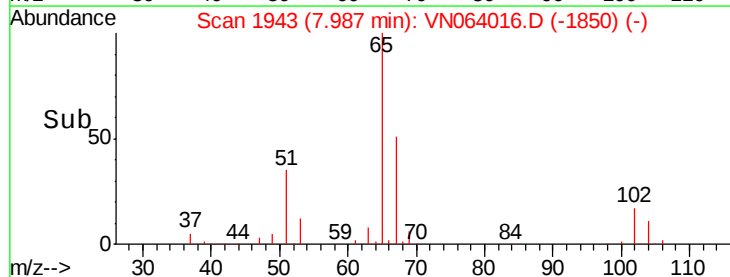
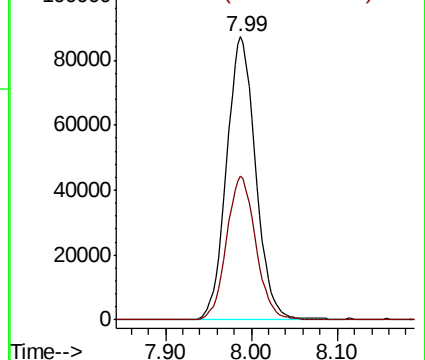
65 100

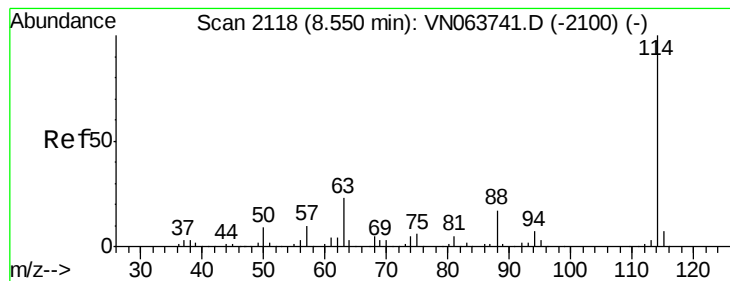
67 50.8 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063741.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063741.D (-1924) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

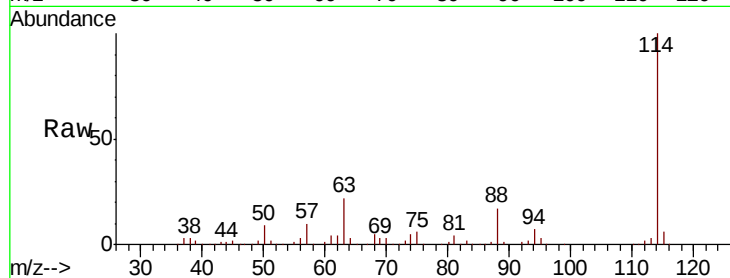
Tot Ion:114 Resp: 467578

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

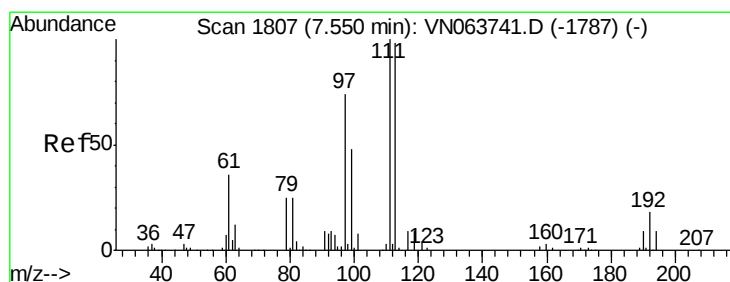
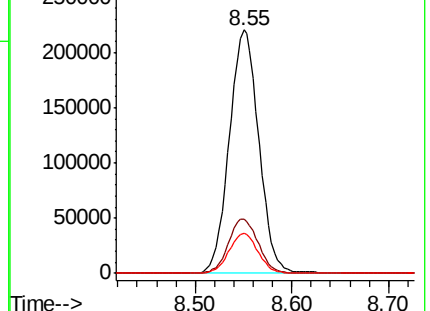
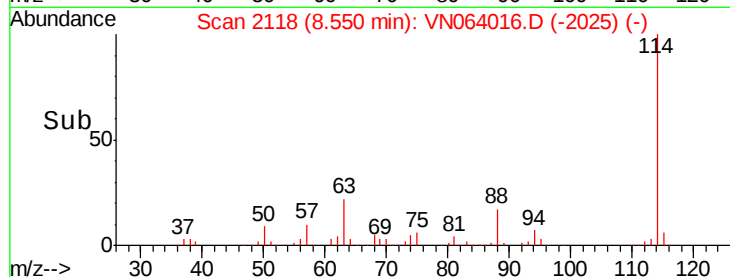
88 16.5 0.0 34.0



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: 46.764 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

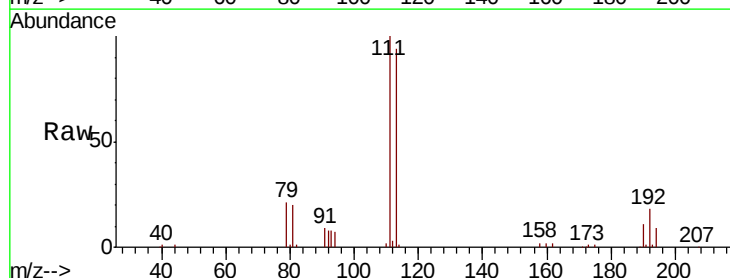
Tgt Ion:113 Resp: 151721

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

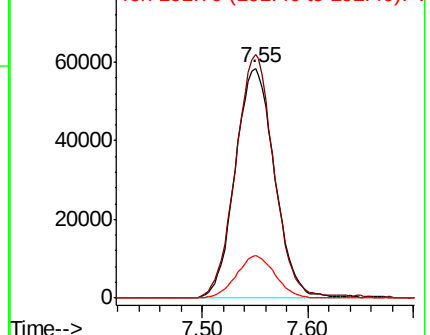
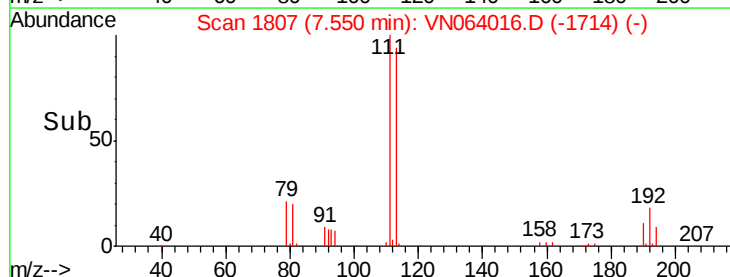
192 18.2 14.2 21.2

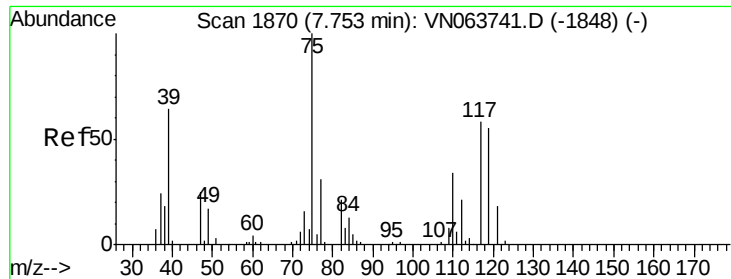


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

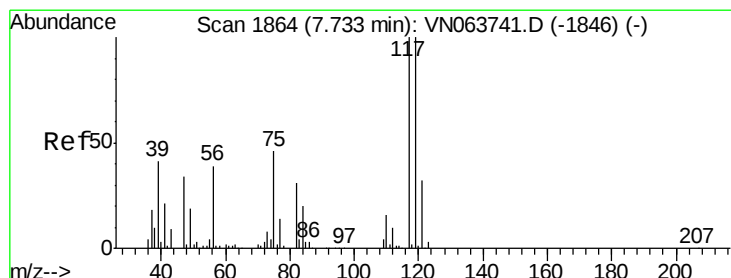
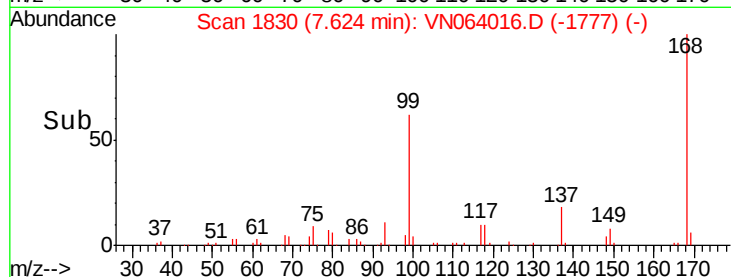
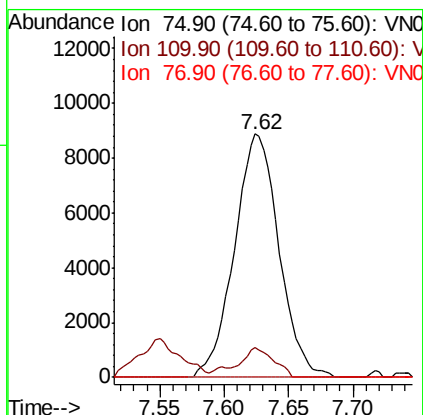
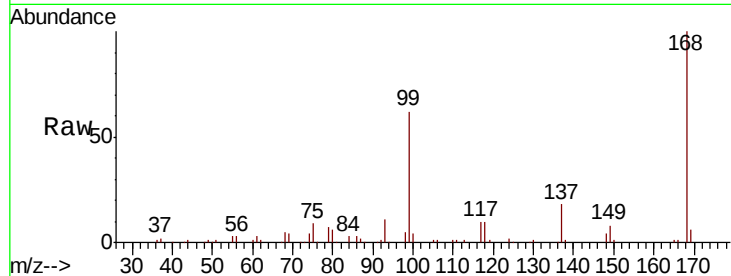




#36
 1,1-Dichloropropene
 Concen: 4.504 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064016.D
 Acq: 9 Oct 2020 3:16

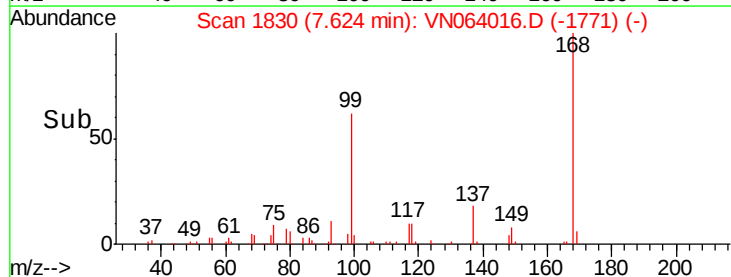
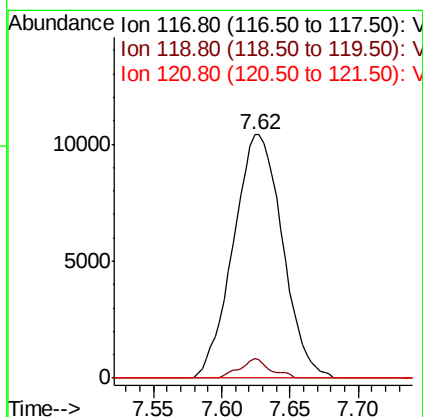
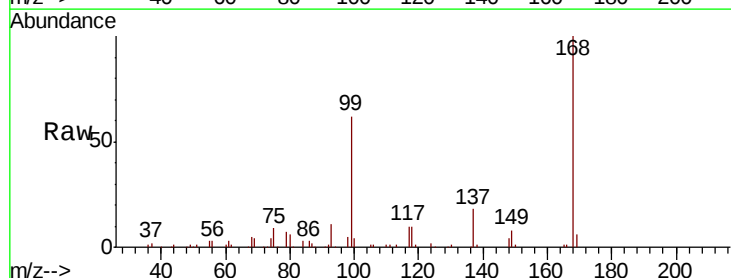
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132189ZHE#05

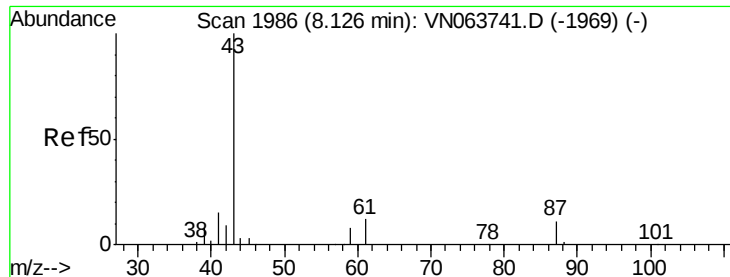
Tot Ion: 75 Resp: 21337
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 4.902 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064016.D
 Acq: 9 Oct 2020 3:16

Tgt Ion: 117 Resp: 26039
 Ion Ratio Lower Upper
 117 100
 119 8.0 80.1 120.1#
 121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 12.122 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

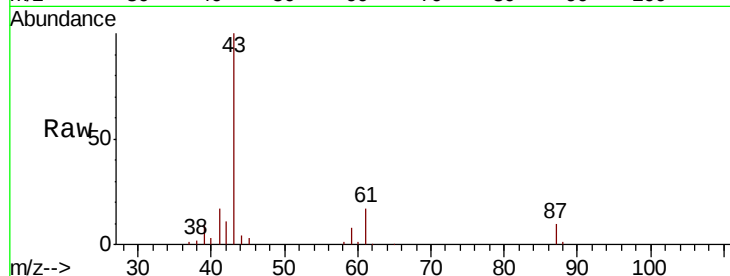
Tot Ion: 43 Resp: 94100

Ion Ratio Lower Upper

43 100

61 17.5 14.2 21.4

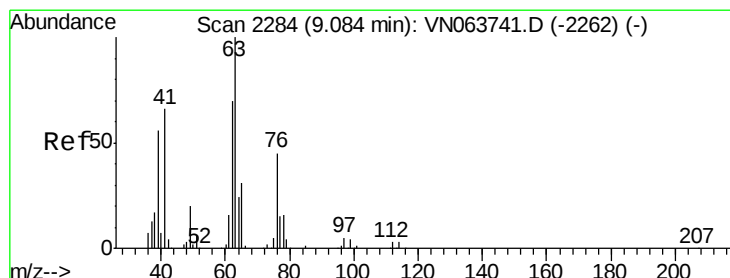
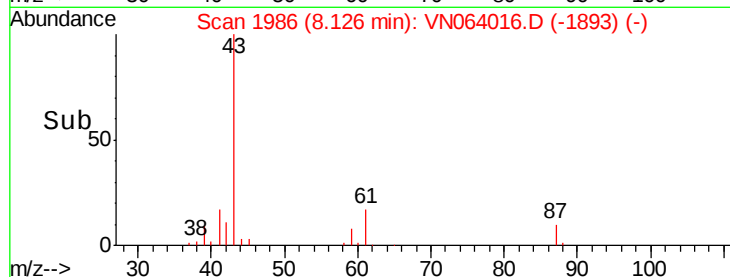
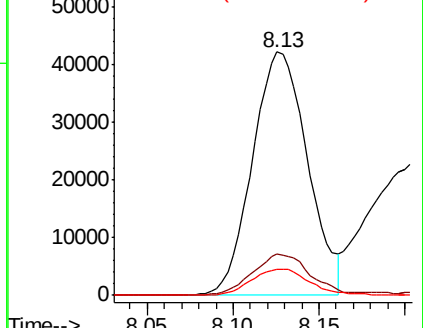
87 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN064016.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN064016.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN064016.D (-1986) (-)



#45

1,2-Dichloropropane

Concen: 0.591 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064016.D

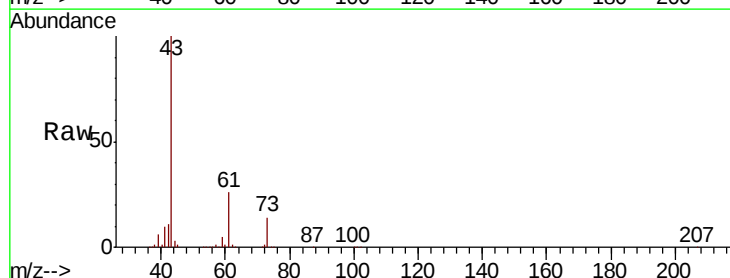
Acq: 9 Oct 2020 3:16

Tgt Ion: 63 Resp: 2158

Ion Ratio Lower Upper

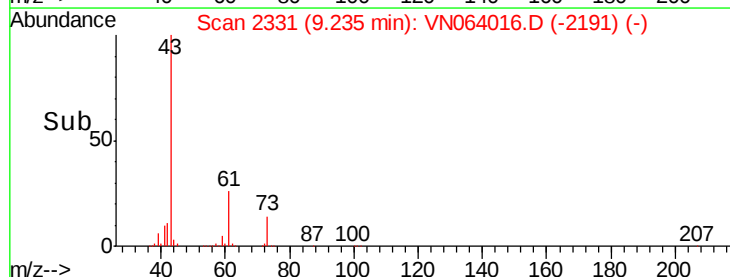
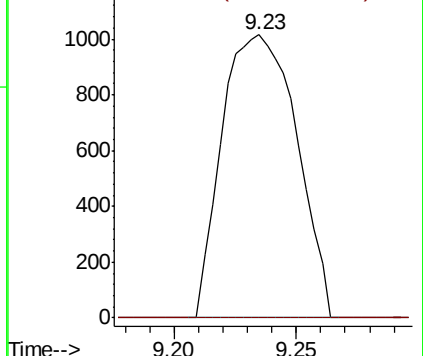
63 100

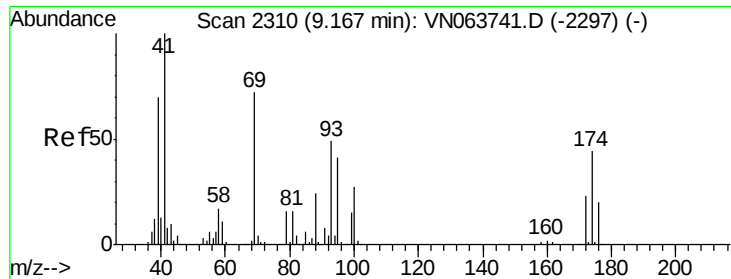
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN064016.D (-2331) (-)

Ion 64.90 (64.60 to 65.60): VN064016.D (-2331) (-)

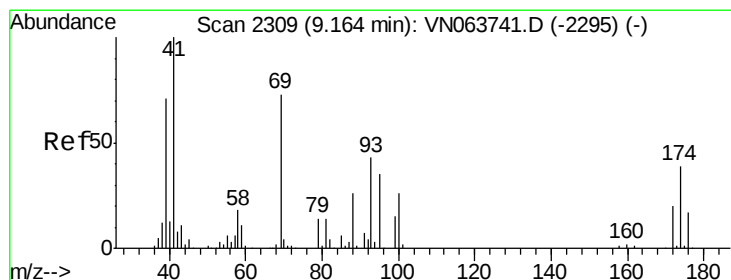
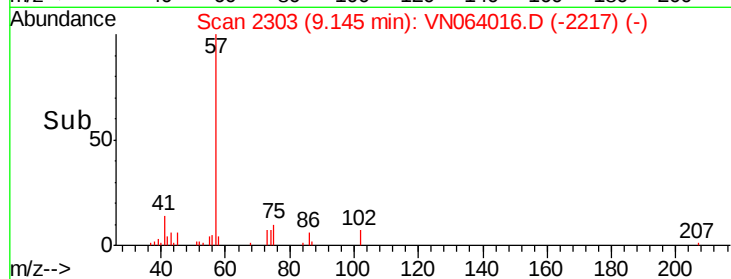
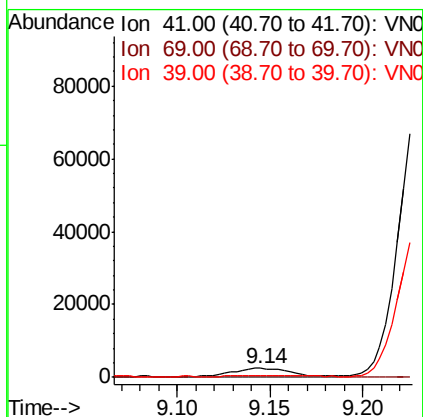
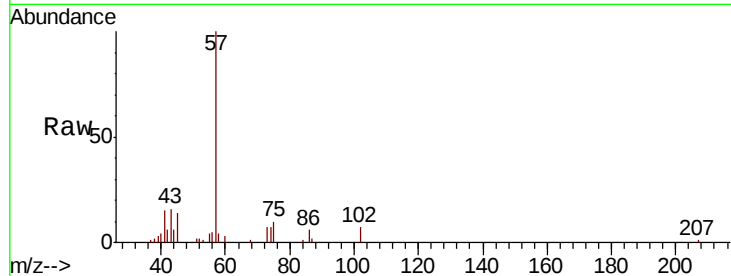




#48
Methyl methacrylate
Concen: 1.357 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

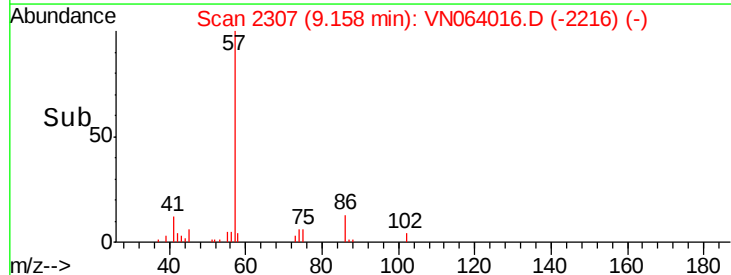
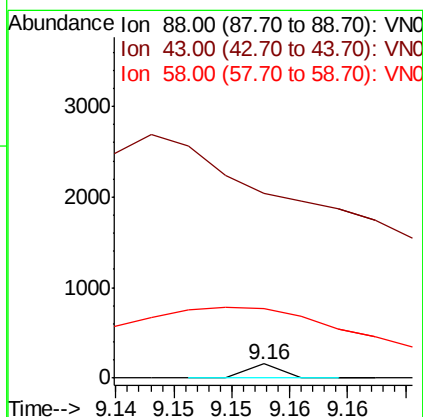
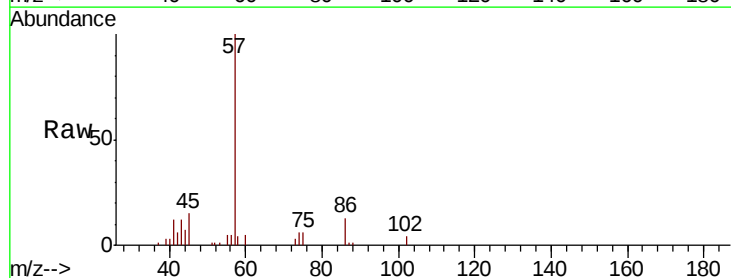
Instrument :
MSVOA_N
ClientSampleId :
PB132189ZHE#05

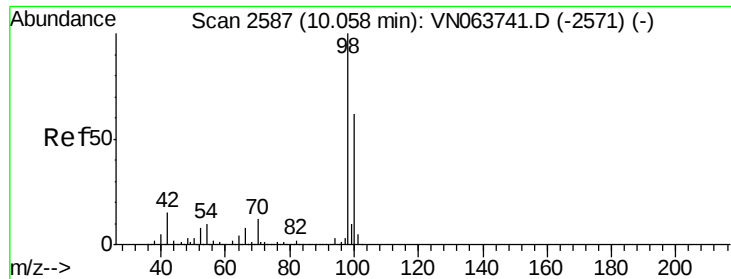
Tot Ion: 41 Resp: 5205
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#



#49
1,4-Dioxane
Concen: 0.550 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 33.1 49.7#
58 5456.7 58.9 88.3#





#50

Toluene-d8

Concen: 48.740 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

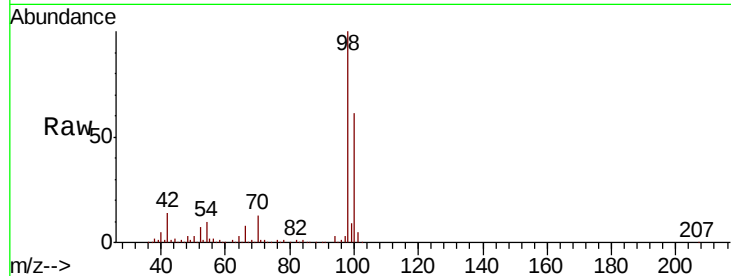
PB132189ZHE#05

Tot Ion: 98 Resp: 599466

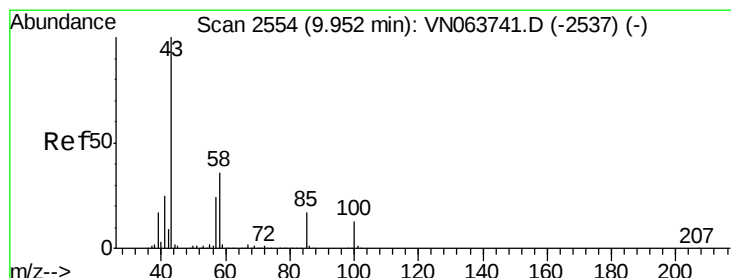
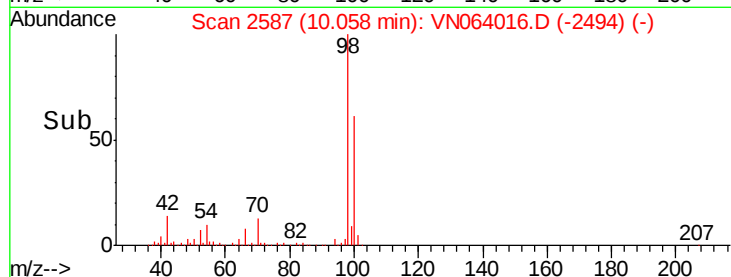
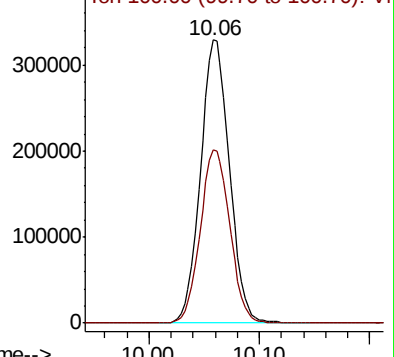
Ion Ratio Lower Upper

98 100

100 62.5 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.006 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064016.D

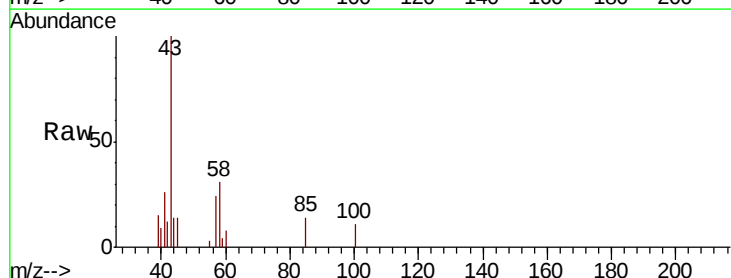
Acq: 9 Oct 2020 3:16

Tgt Ion: 43 Resp: 9138

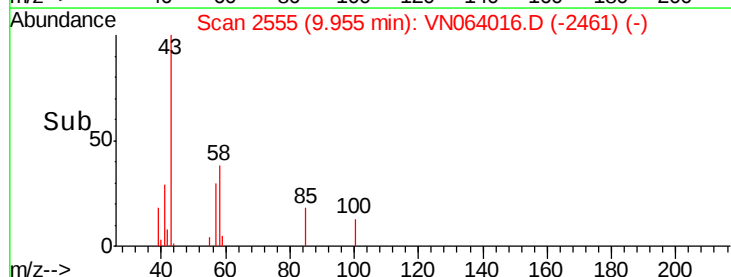
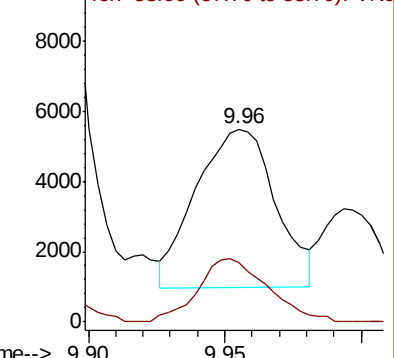
Ion Ratio Lower Upper

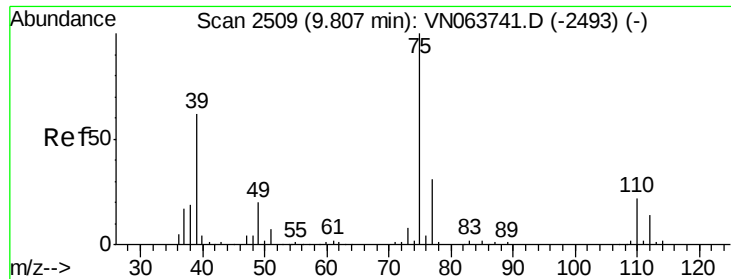
43 100

58 35.2 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.001 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

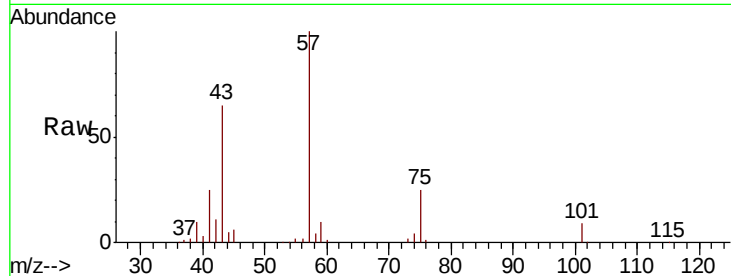
Tot Ion: 75 Resp: 34950

Ion Ratio Lower Upper

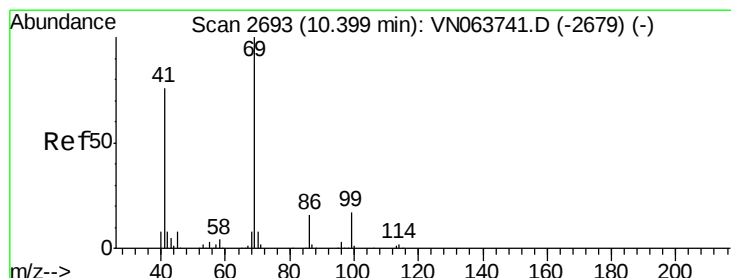
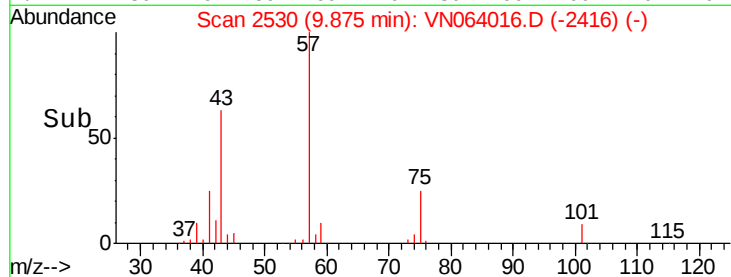
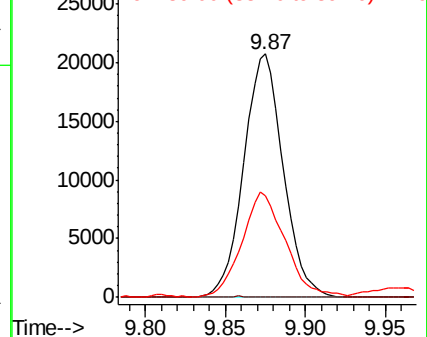
75 100

77 0.0 24.6 36.8#

39 41.7 49.7 74.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.520 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

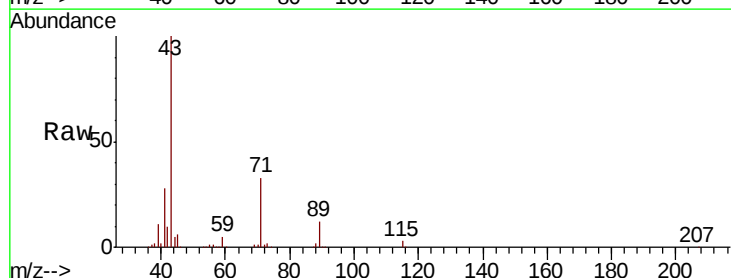
Tgt Ion: 69 Resp: 2473

Ion Ratio Lower Upper

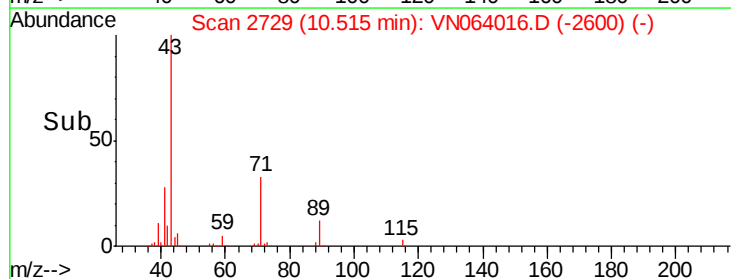
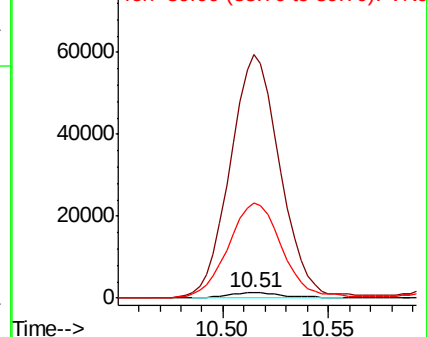
69 100

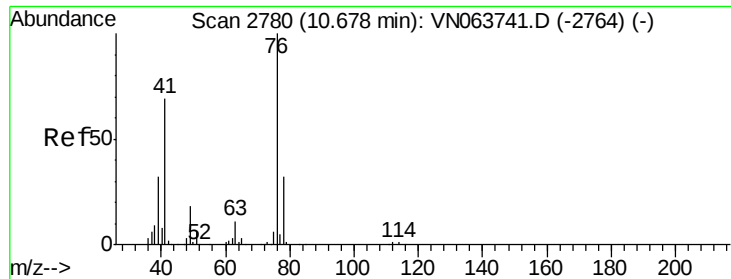
41 3977.3 61.1 91.7#

39 1675.3 42.2 63.4#



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

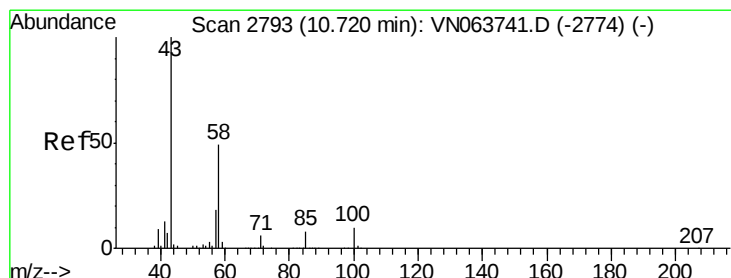
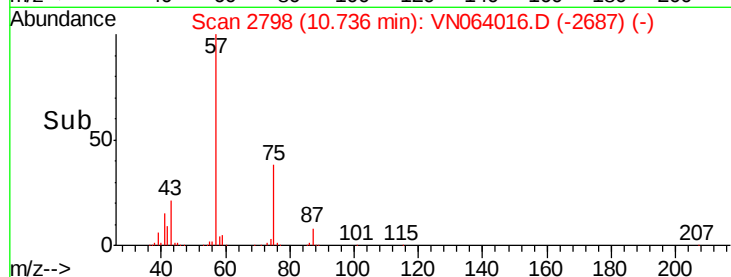
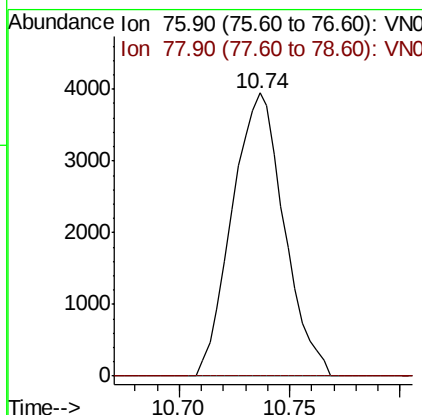
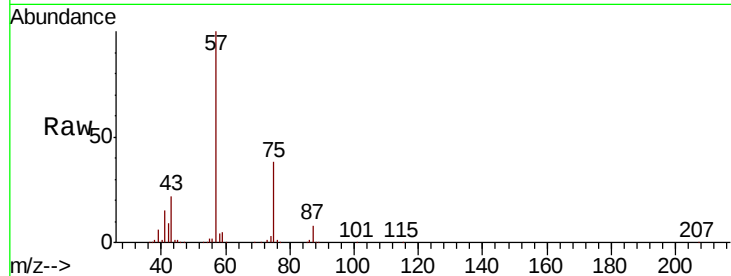




#57
 1,3-Dichloropropane
 Concen: 1.140 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064016.D
 Acq: 9 Oct 2020 3:16

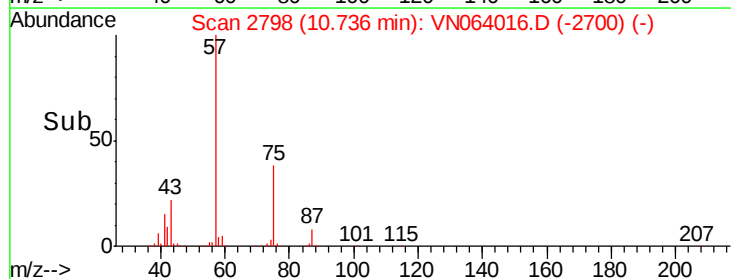
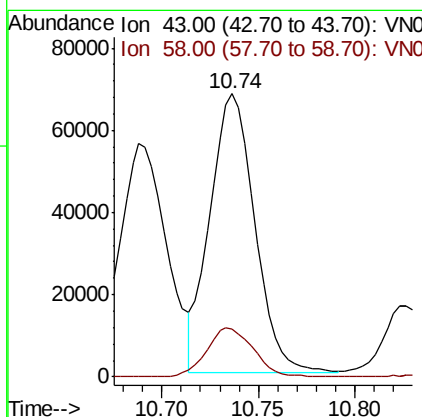
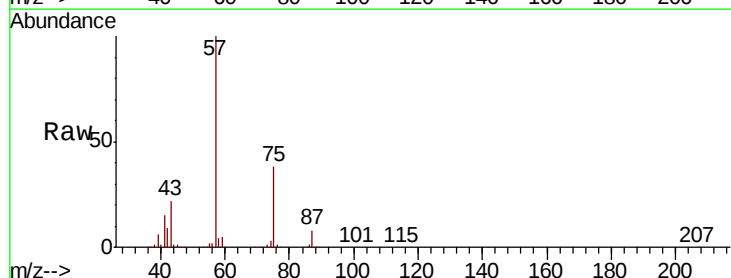
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132189ZHE#05

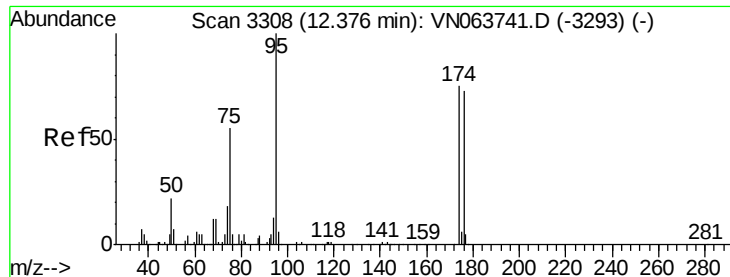
Tot Ion: 76 Resp: 6471
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 32.549 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN064016.D
 Acq: 9 Oct 2020 3:16

Tgt Ion: 43 Resp: 110153
 Ion Ratio Lower Upper
 43 100
 58 18.1 24.6 73.8#

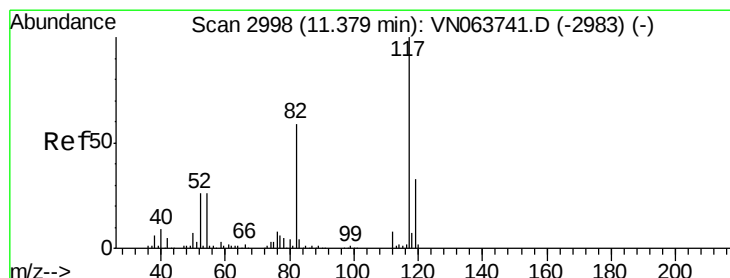
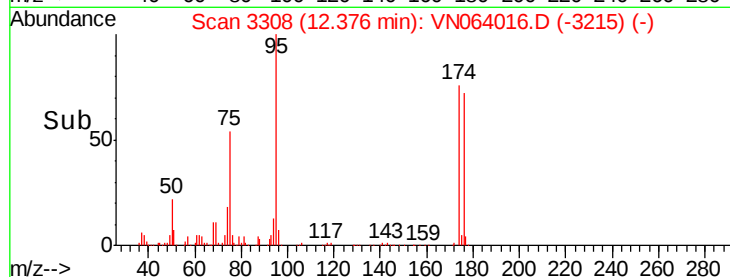
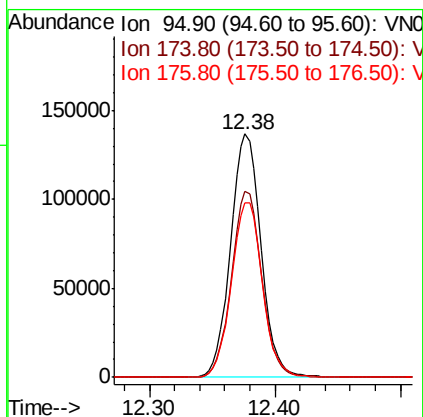
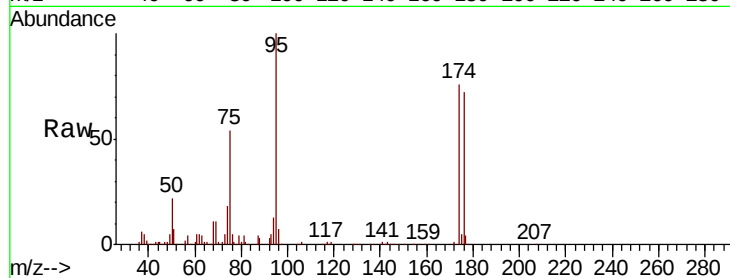




#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

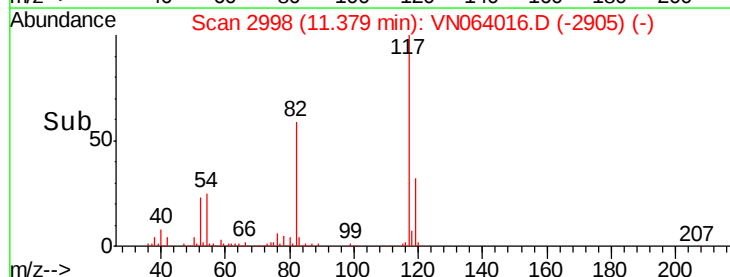
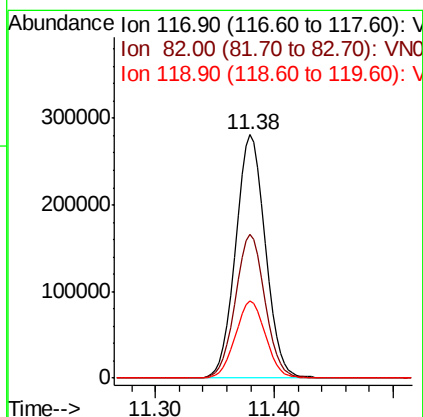
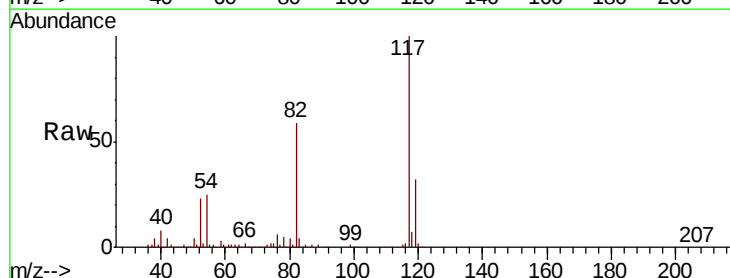
Instrument :
MSVOA_N
ClientSampleId :
PB132189ZHE#05

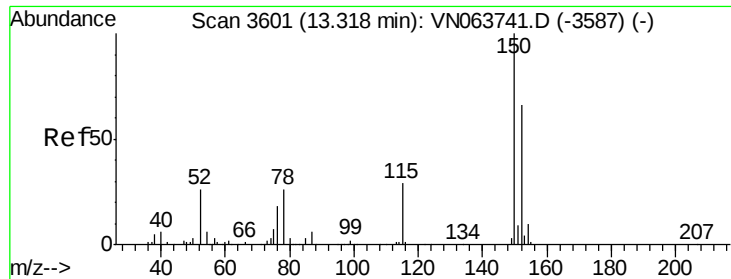
Tot Ion: 95 Resp: 230520
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.6
176 73.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

Tgt Ion: 117 Resp: 486847
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.8 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: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

PB132189ZHE#05

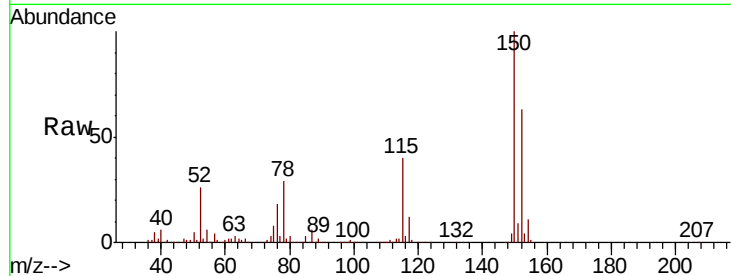
Tot Ion:152 Resp: 190182

Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.8

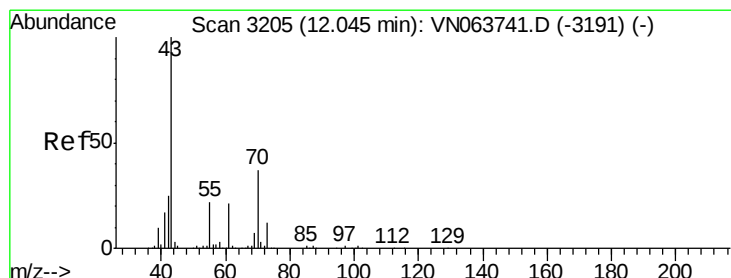
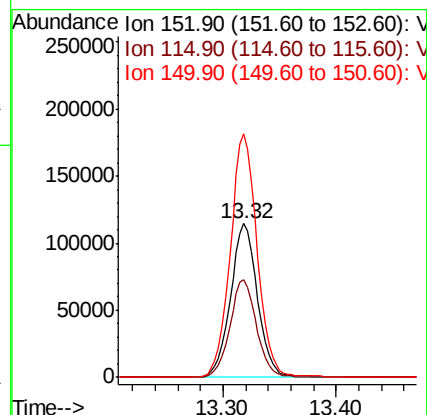
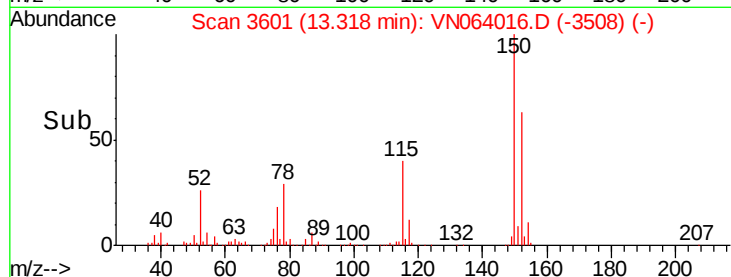
150 156.9 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.889 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Tgt Ion: 43 Resp: 4544

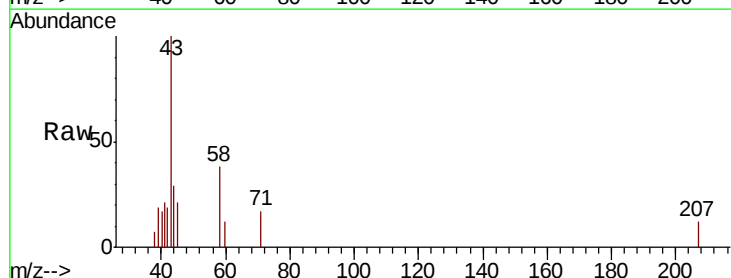
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 4.7 17.9 26.9#

61 0.0 17.0 25.4#

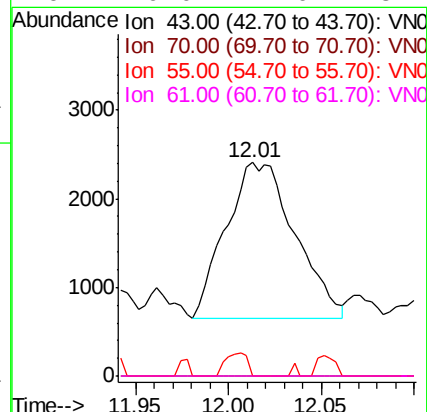
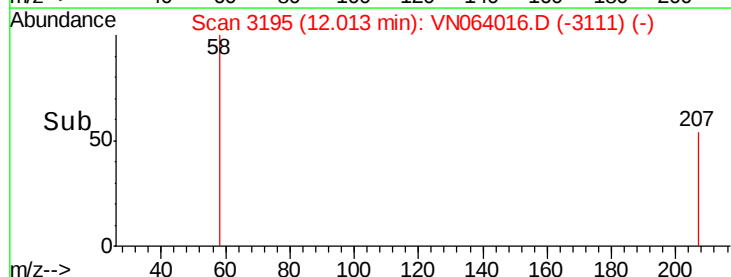


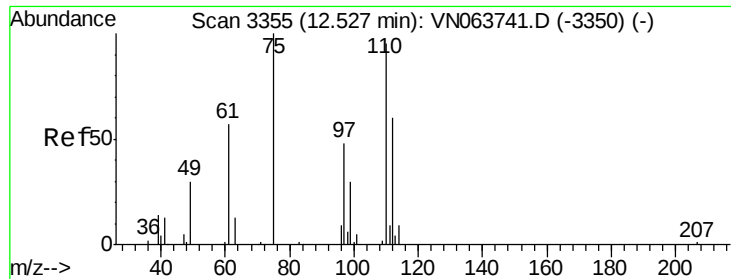
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.810 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064016.D

Acq: 9 Oct 2020 3:16

Instrument :

MSVOA_N

ClientSampleId :

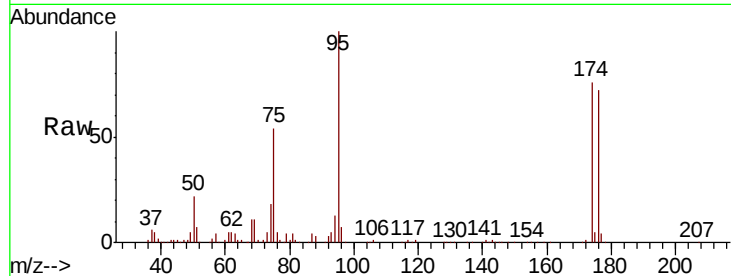
PB132189ZHE#05

Tot Ion: 75 Resp: 124975

Ion Ratio Lower Upper

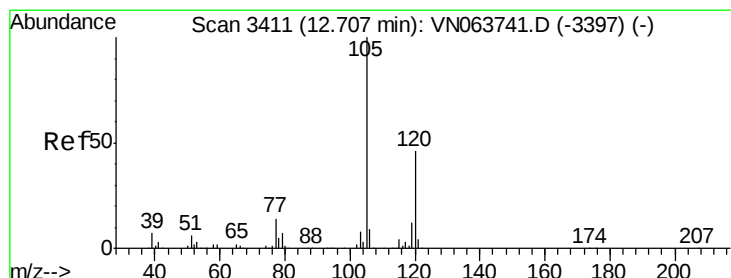
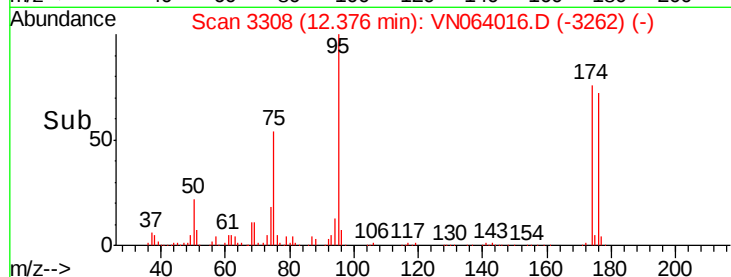
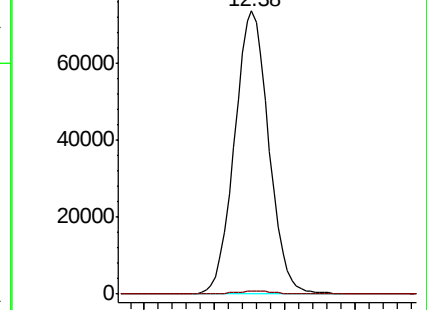
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN063741.D (-3350) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.278 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN064016.D

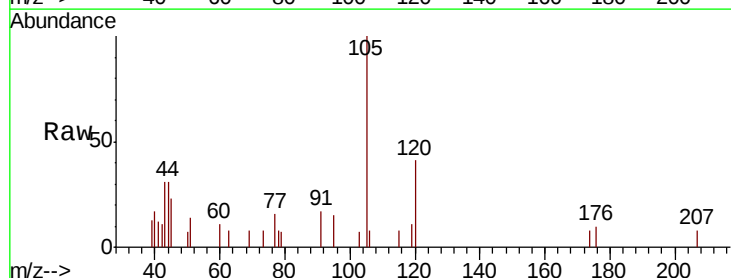
Acq: 9 Oct 2020 3:16

Tgt Ion: 105 Resp: 3230

Ion Ratio Lower Upper

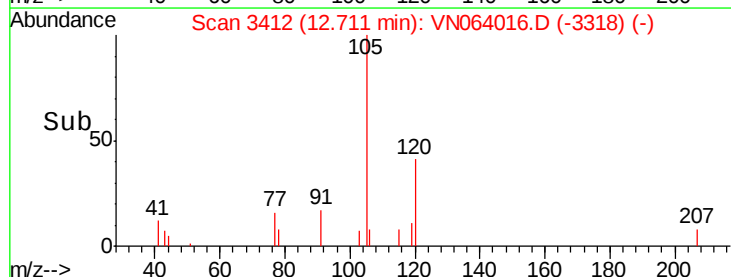
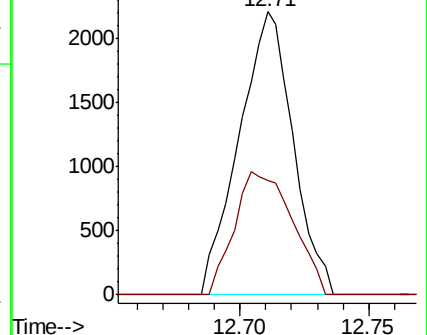
105 100

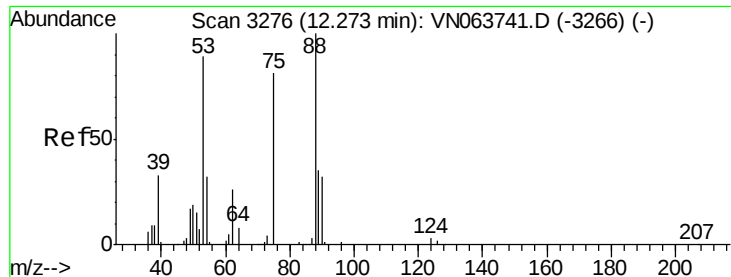
120 46.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

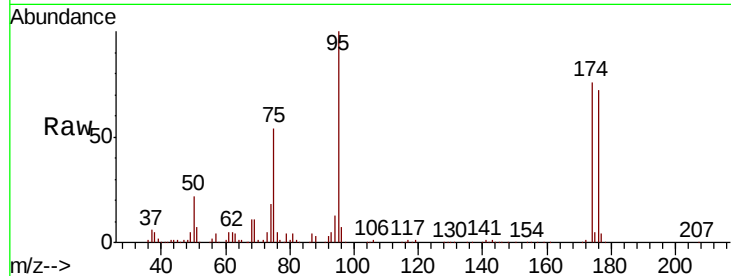




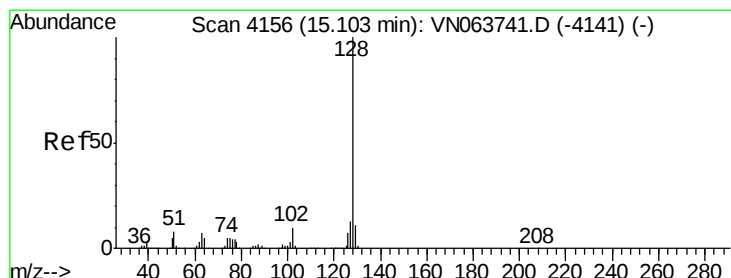
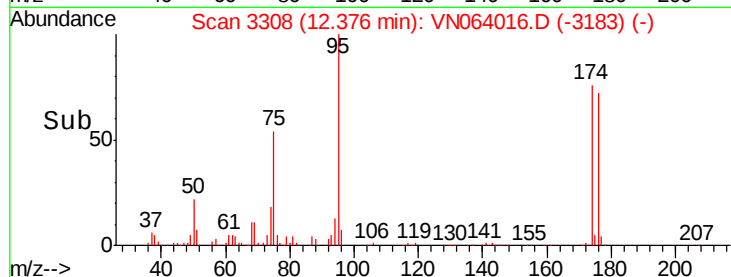
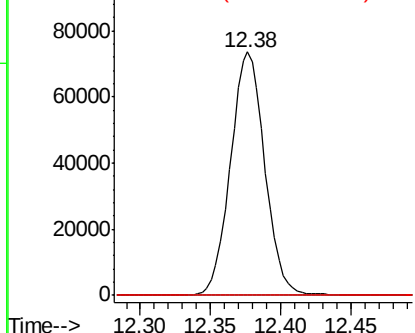
#81
trans-1,4-Dichloro-2-butene
Concen: 85.858 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

Instrument :
MSVOA_N
ClientSampleId :
PB132189ZHE#05

Tot Ion: 75 Resp: 124975
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#

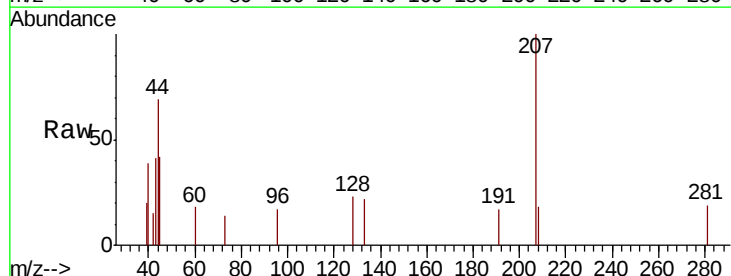


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 1.954 ug/l
RT: 15.11 min Scan# 4159
Delta R.T. 0.01 min
Lab File: VN064016.D
Acq: 9 Oct 2020 3:16

Tgt Ion: 128 Resp: 314
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

