

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063369.D
 Acq On : 16 Sep 2020 17:07
 Operator : JC/MD
 Sample : PB131646ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#02

Quant Time: Sep 17 04:06:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	454494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	451393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192399	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	201015	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	145686	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	10.06	98	589302	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.38	95	236295	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	

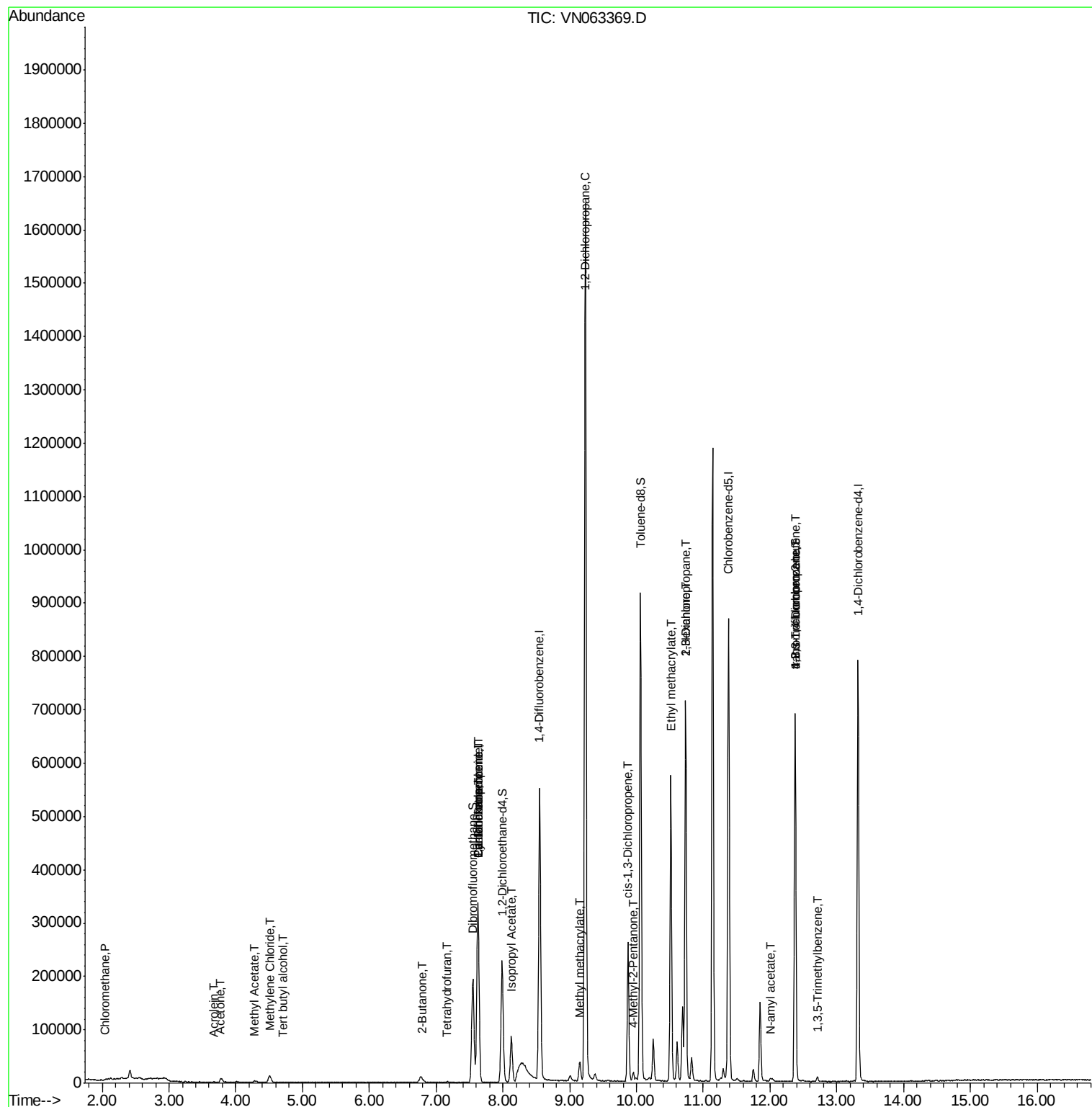
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	798	0.219	ug/l	94
11) Tert butyl alcohol	4.71	59	197	0.344	ug/l #	72
13) Acrolein	3.66	56	64	0.301	ug/l #	67
16) Acetone	3.78	43	11704	8.802	ug/l #	86
18) Methyl Acetate	4.28	43	5809	1.721	ug/l #	75
20) Methylene Chloride	4.51	84	9123	2.708	ug/l	95
25) 2-Butanone	6.80	43	785	0.384	ug/l #	41
29) Tetrahydrofuran	7.16	42	525	0.376	ug/l #	41
31) Cyclohexane	7.63	56	7540	1.320	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	24667	5.094	ug/l #	50
38) Carbon Tetrachloride	7.63	117	27507	5.565	ug/l #	16
43) Isopropyl Acetate	8.13	43	105217	12.382	ug/l	99
45) 1,2-Dichloropropane	9.23	63	2056	0.546	ug/l #	43
48) Methyl methacrylate	9.15	41	5030	1.205	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	12395	2.606	ug/l	89
54) cis-1,3-Dichloropropene	9.87	75	44812	7.403	ug/l #	60
56) Ethyl methacrylate	10.52	69	1619	0.314	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6826	1.147	ug/l #	42
59) 2-Hexanone	10.74	43	111287	32.291	ug/l #	53
74) N-amyl acetate	12.00	43	3426	0.469	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	131679	27.651	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4363	0.339	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	131679	75.809	ug/l #	7

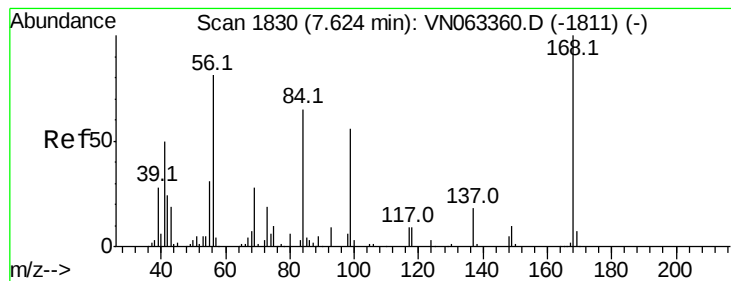
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091620\
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Sample : PB131646ZHE#02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 17 04:06:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

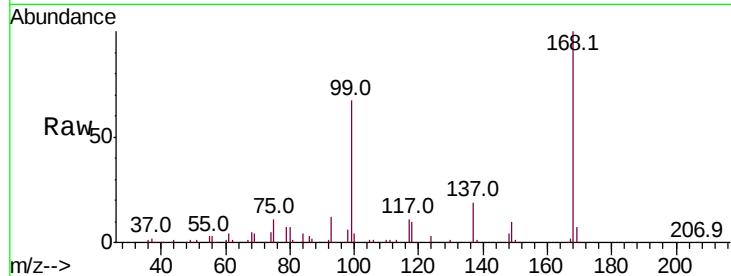
PB131646ZHE#02

Tot Ion:168 Resp: 243055

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

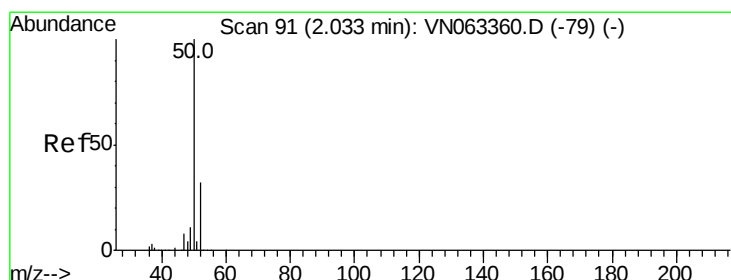
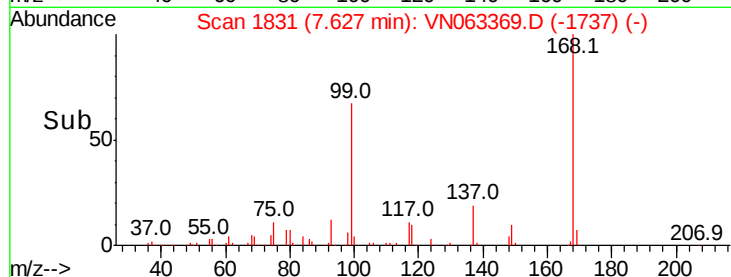
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.219 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063369.D

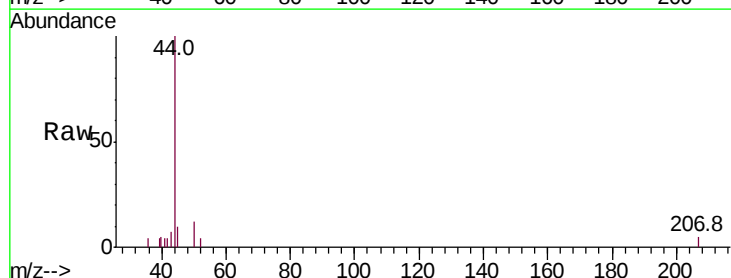
Acq: 16 Sep 2020 17:07

Tgt Ion: 50 Resp: 798

Ion Ratio Lower Upper

50 100

52 35.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

500

400

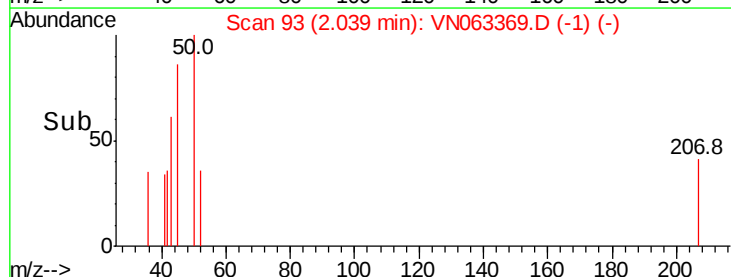
300

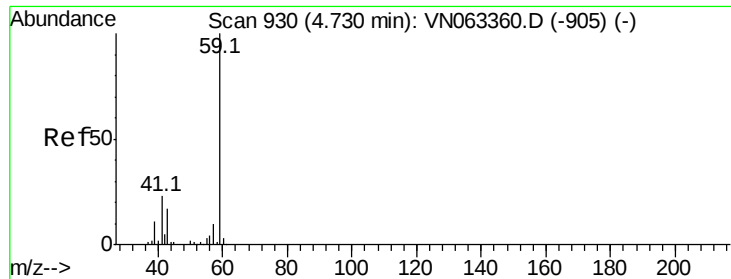
200

100

0

Time--> 2.00 2.05

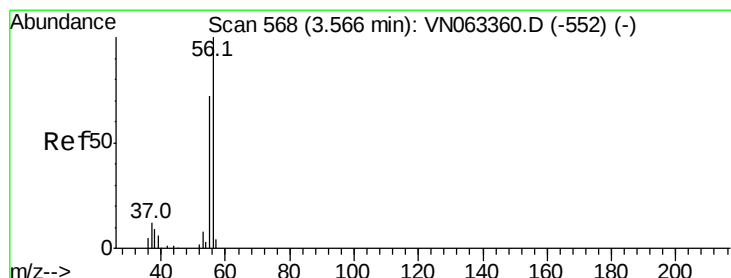
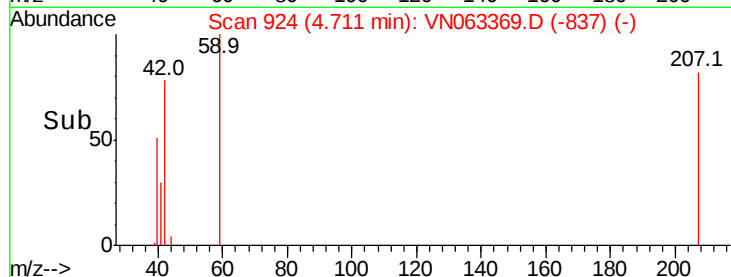
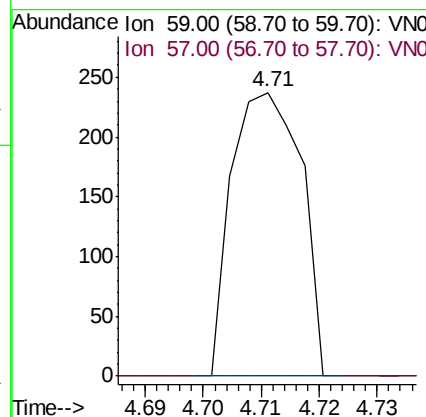
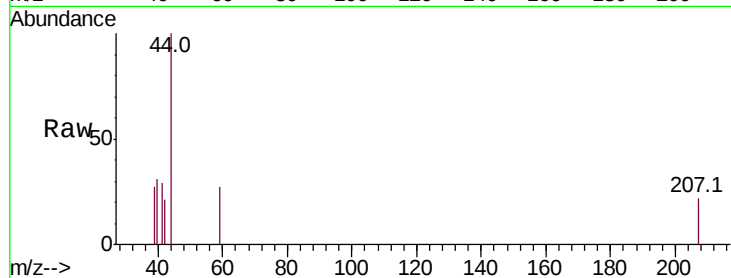




#11
Tert butyl alcohol
Concen: 0.344 ug/l
RT: 4.71 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

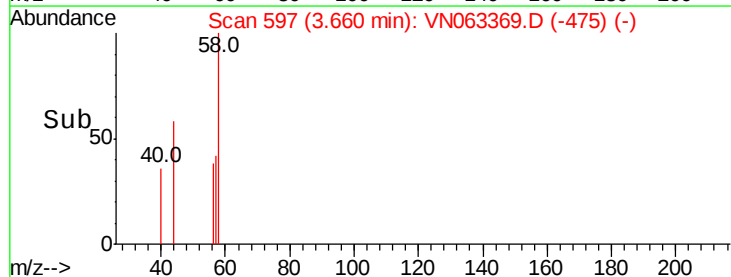
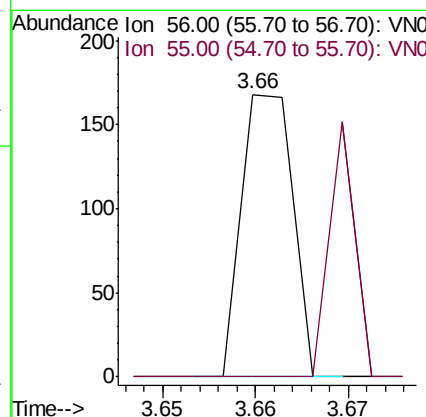
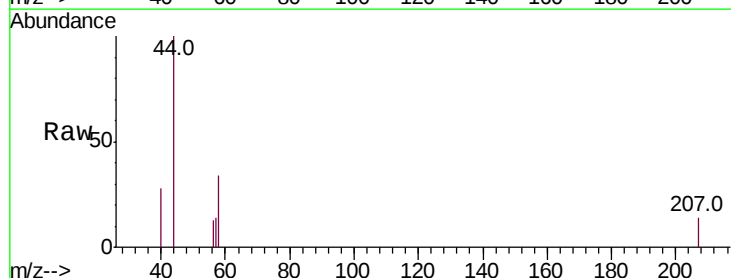
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#02

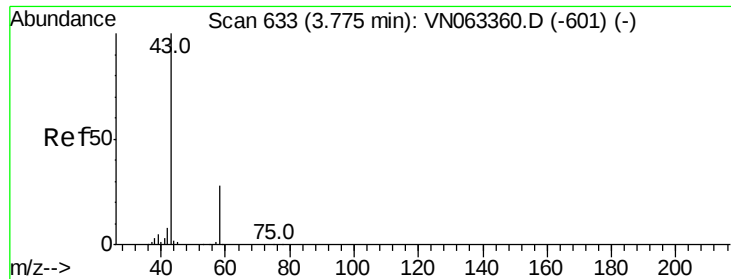
Tot Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.301 ug/l
RT: 3.66 min Scan# 597
Delta R.T. 0.09 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 45.3 58.2 87.2#





#16

Acetone

Concen: 8.802 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

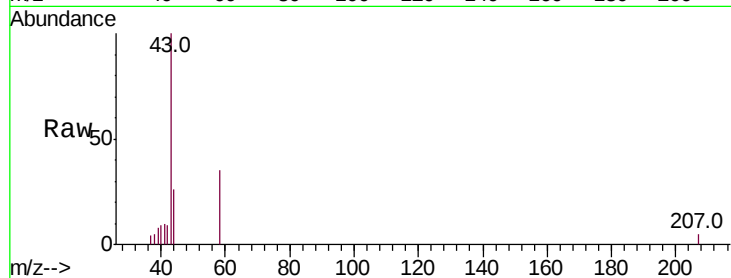
PB131646ZHE#02

Tot Ion: 43 Resp: 11704

Ion Ratio Lower Upper

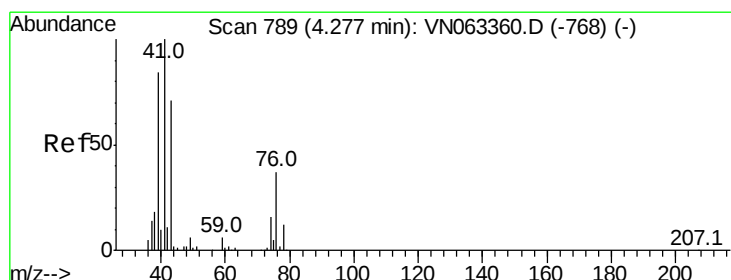
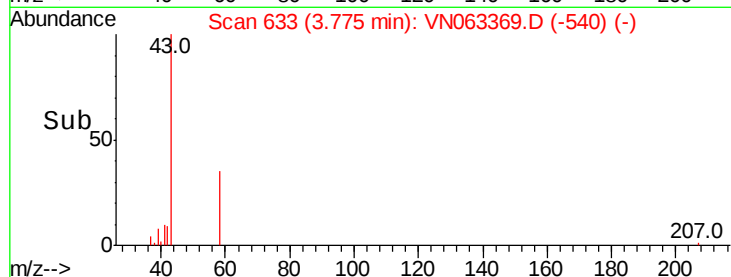
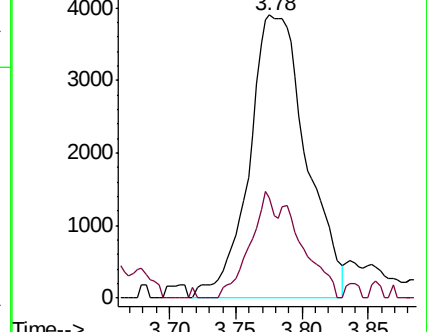
43 100

58 35.3 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)



#18

Methyl Acetate

Concen: 1.721 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063369.D

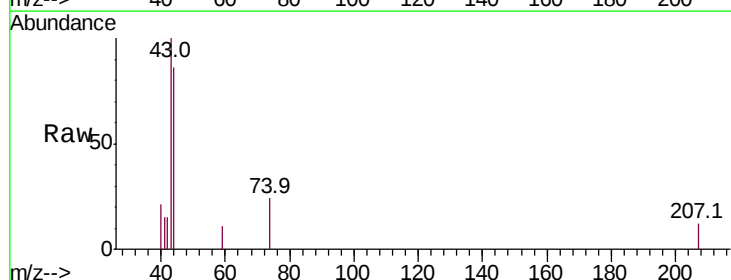
Acq: 16 Sep 2020 17:07

Tgt Ion: 43 Resp: 5809

Ion Ratio Lower Upper

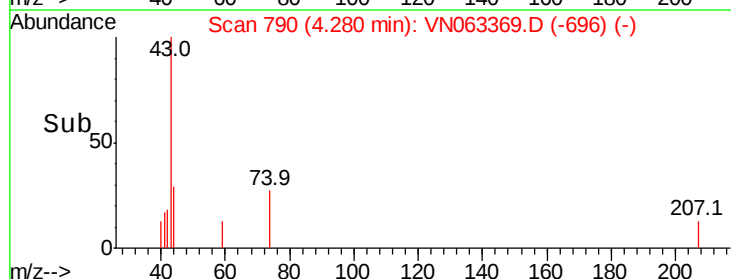
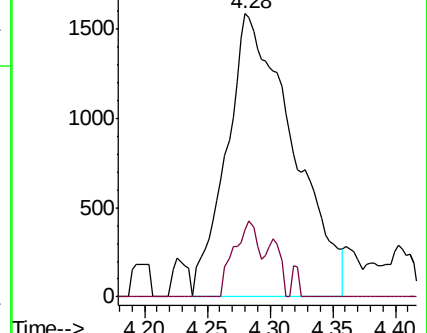
43 100

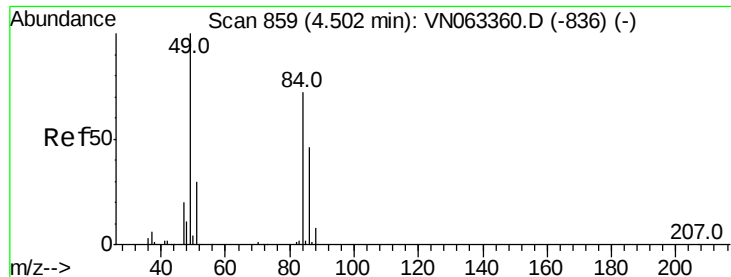
74 9.8 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063360.D (-768) (-)

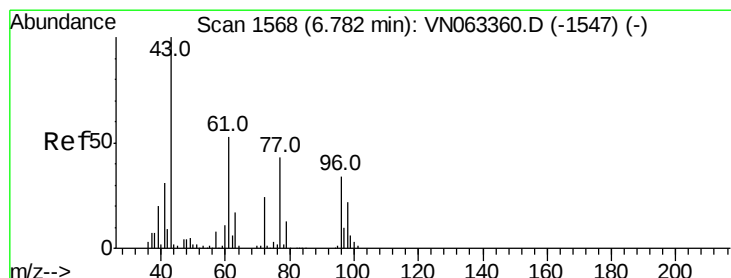
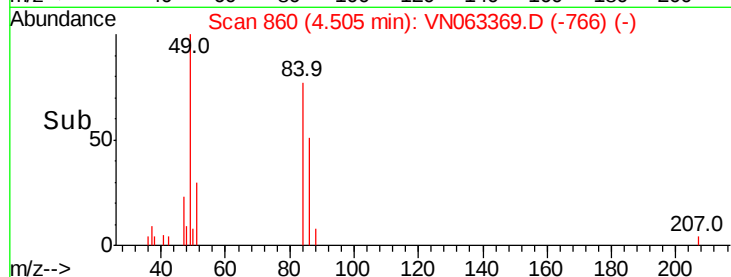
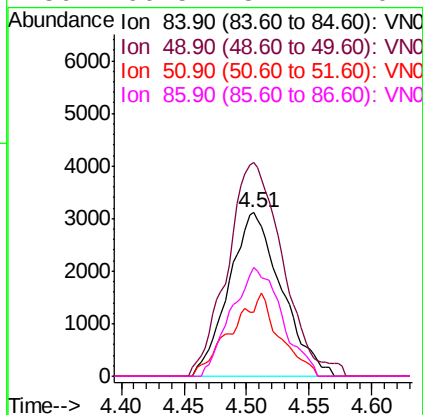
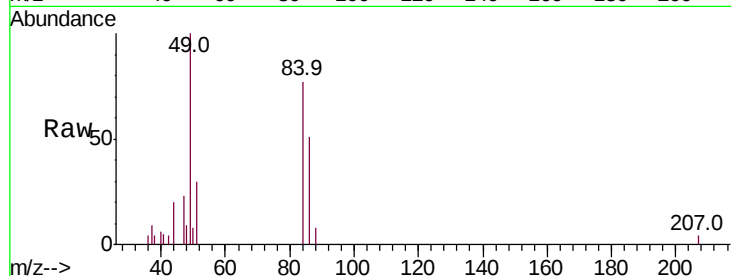




#20
Methylene Chloride
Concen: 2.708 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

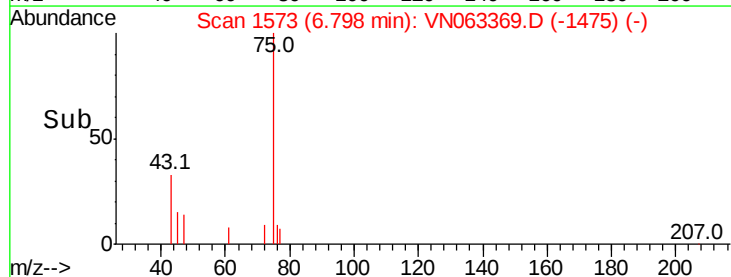
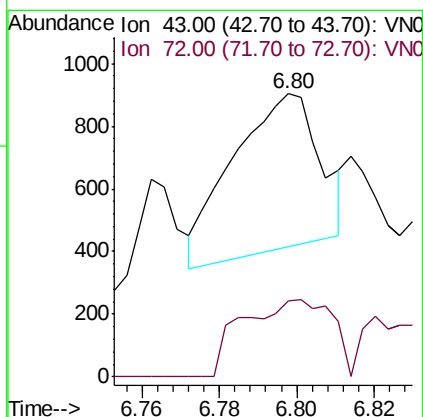
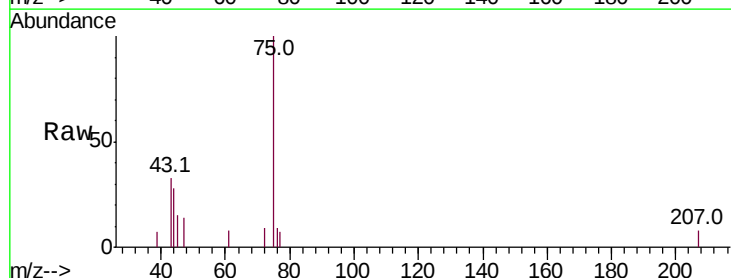
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#02

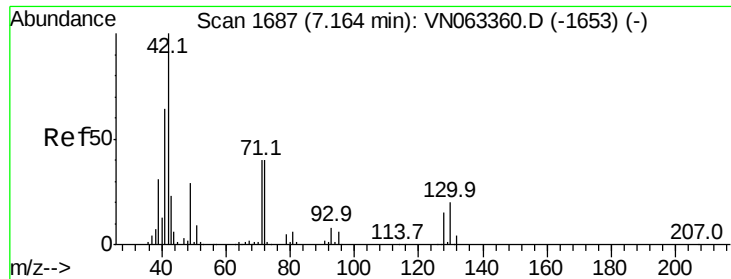
Tot Ion: 84 Resp: 9123
Ion Ratio Lower Upper
84 100
49 130.6 110.7 166.1
51 39.5 32.9 49.3
86 66.5 51.1 76.7



#25
2-Butanone
Concen: 0.384 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
72 53.3 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.376 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#02

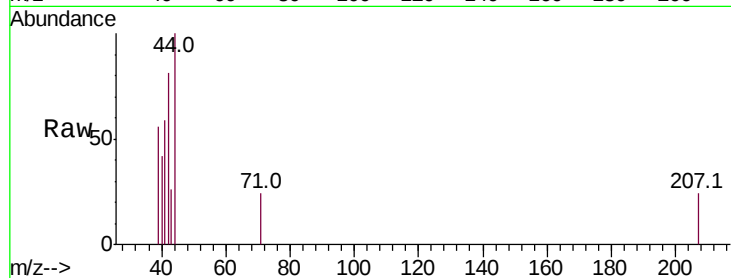
Tot Ion: 42 Resp: 525

Ion Ratio Lower Upper

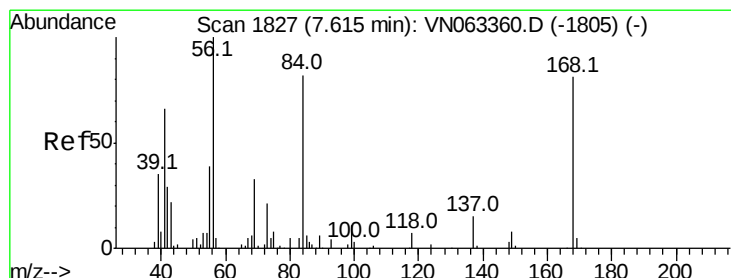
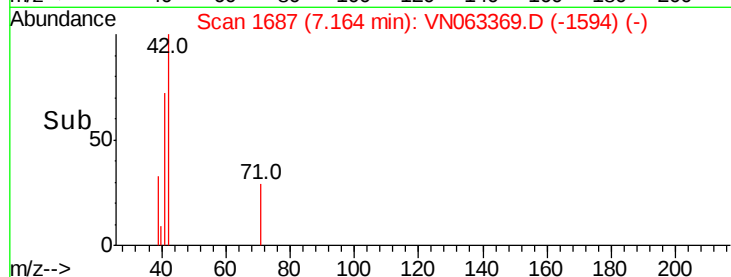
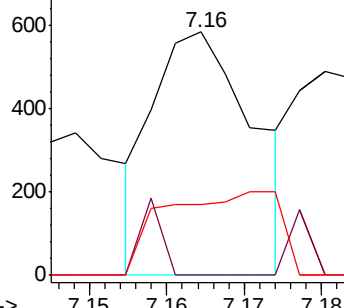
42 100

72 6.7 32.1 48.1#

71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

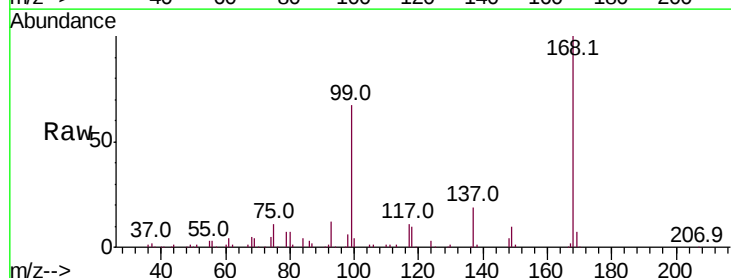
Tgt Ion: 56 Resp: 7540

Ion Ratio Lower Upper

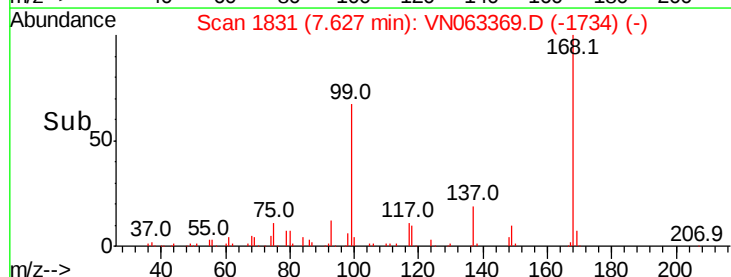
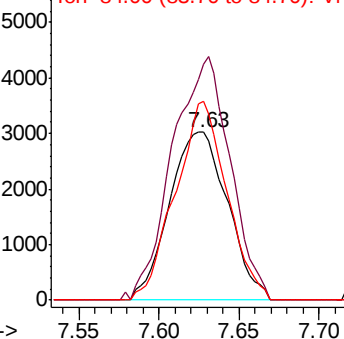
56 100

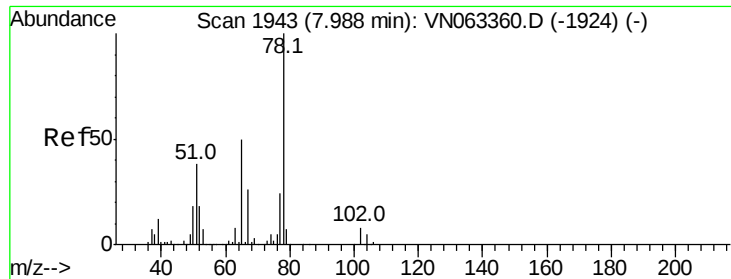
69 140.6 26.1 39.1#

84 118.8 65.4 98.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

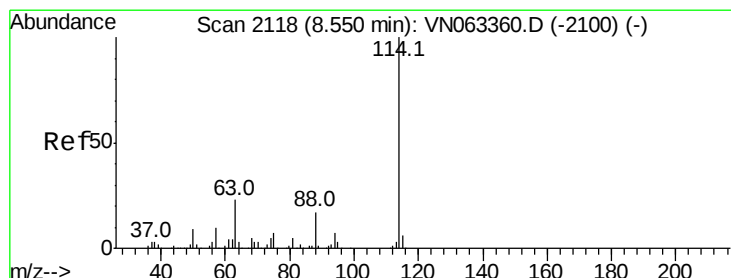
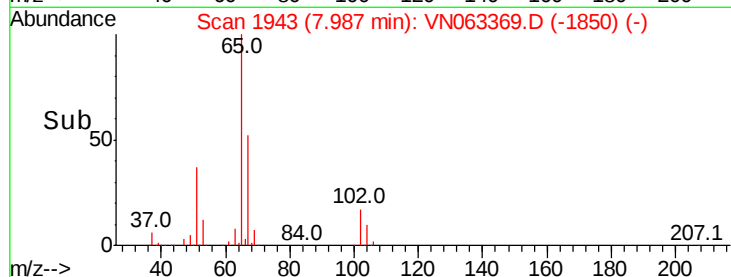
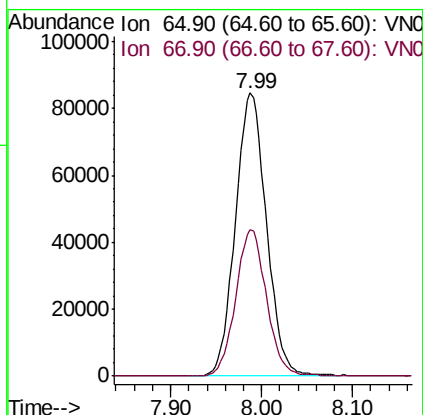
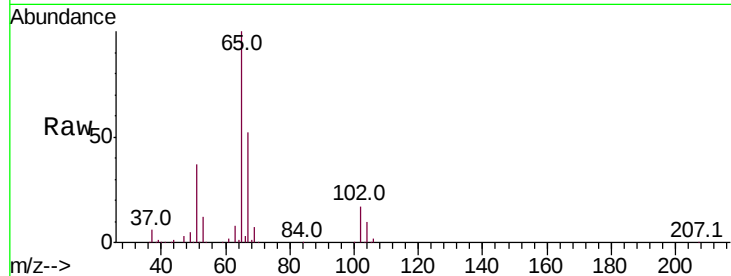




#33
 1,2-Dichloroethane-d4
 Concen: 48.584 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063369.D
 Acq: 16 Sep 2020 17:07

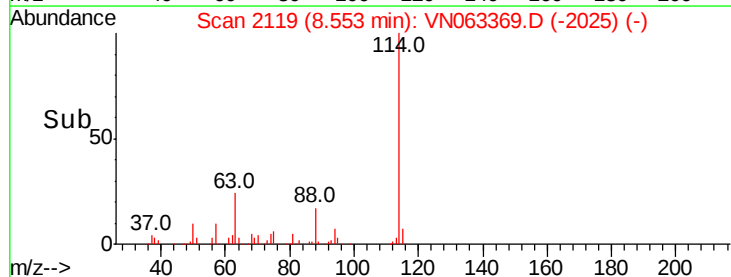
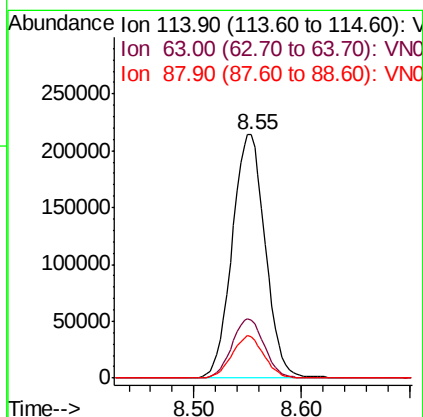
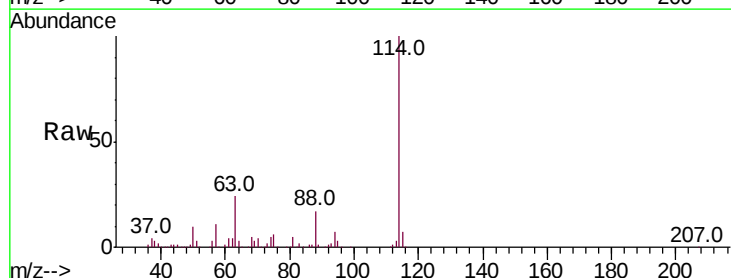
Instrument :
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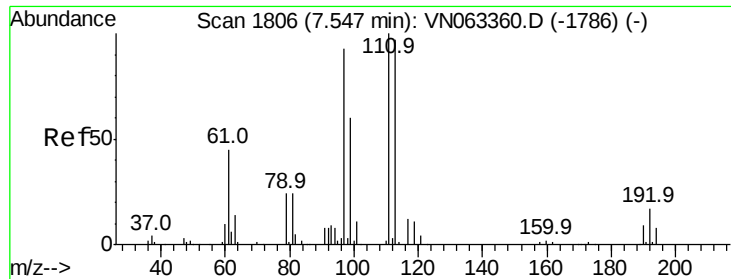
Tot Ion: 65 Resp: 201015
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063369.D
 Acq: 16 Sep 2020 17:07

Tgt Ion: 114 Resp: 454494
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.4
 88 17.0 0.0 33.2

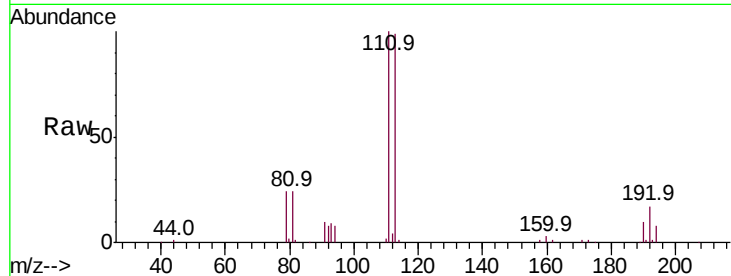




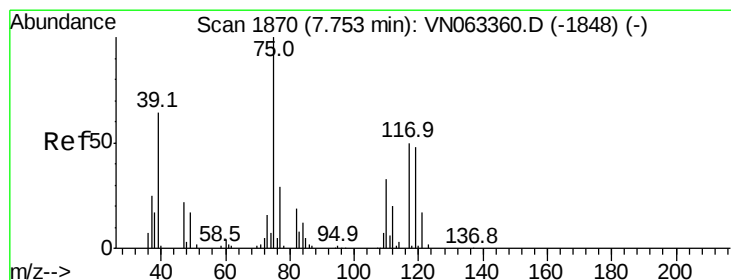
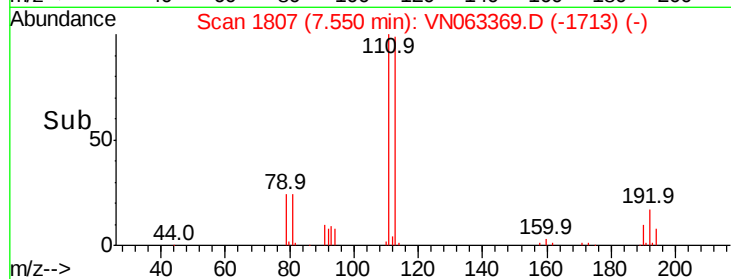
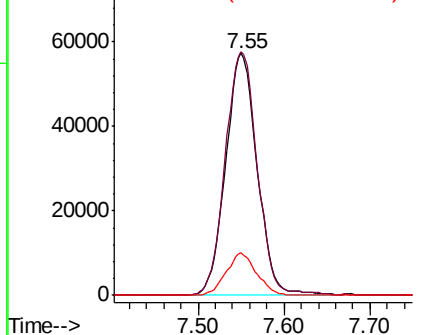
#35
 Dibromofluoromethane
 Concen: 46.303 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063369.D
 Acq: 16 Sep 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#02

Tot Ion:113 Resp: 145686
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 16.7 13.9 20.9

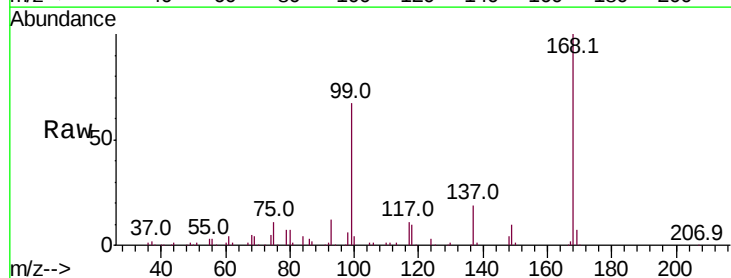


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

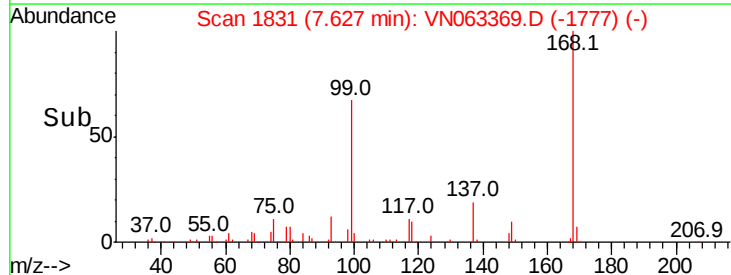
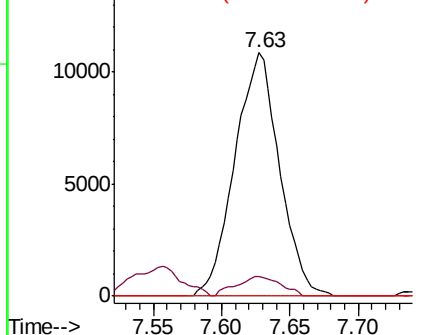


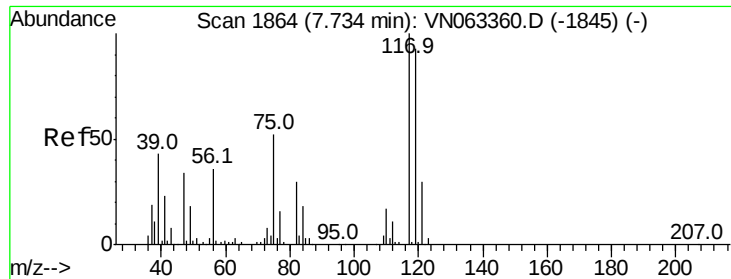
#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063369.D
 Acq: 16 Sep 2020 17:07

Tgt Ion: 75 Resp: 24667
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.6 36.8#



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

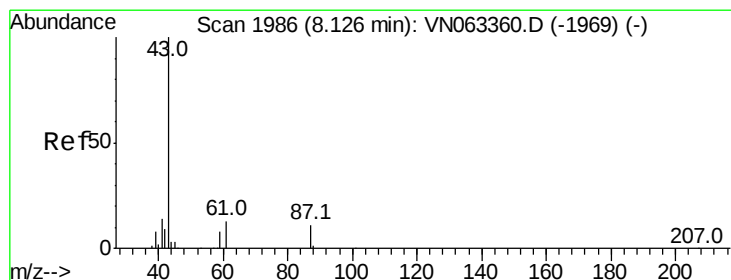
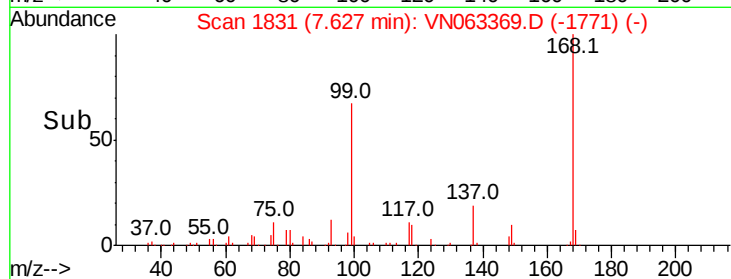
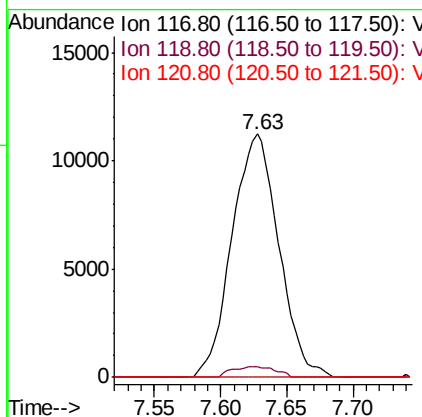
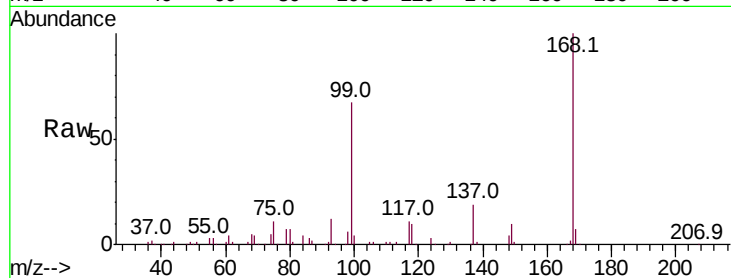




#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

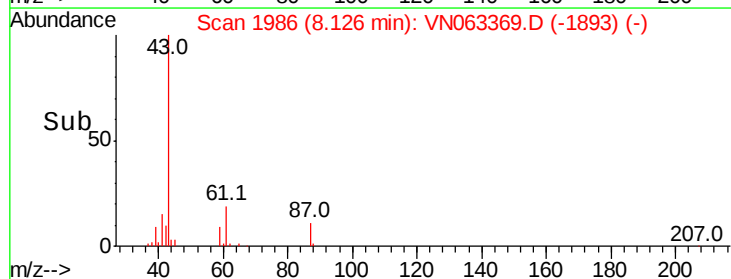
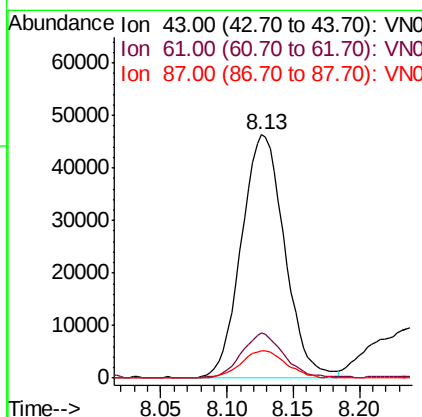
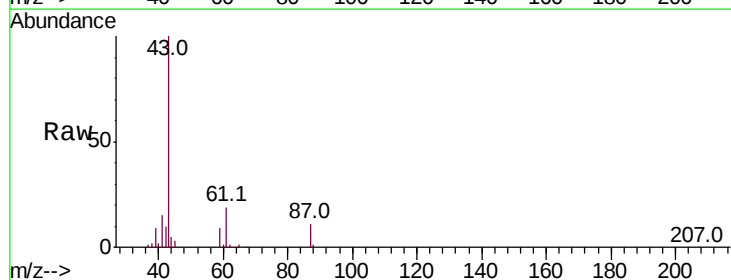
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#02

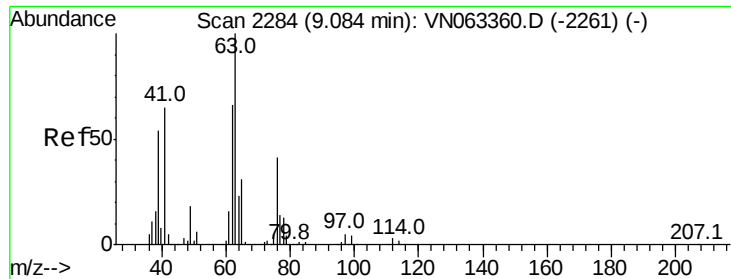
Tot Ion:117 Resp: 27507
Ion Ratio Lower Upper
117 100
119 4.1 74.5 111.7#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 12.382 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

Tgt Ion: 43 Resp: 105217
Ion Ratio Lower Upper
43 100
61 18.0 14.2 21.2
87 11.8 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.546 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

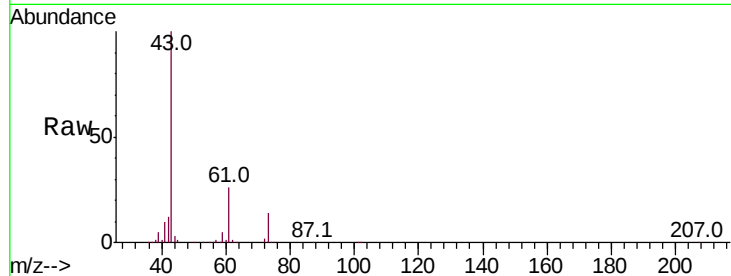
PB131646ZHE#02

Tot Ion: 63 Resp: 2056

Ion Ratio Lower Upper

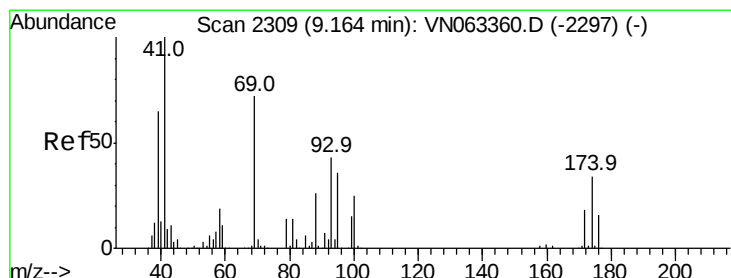
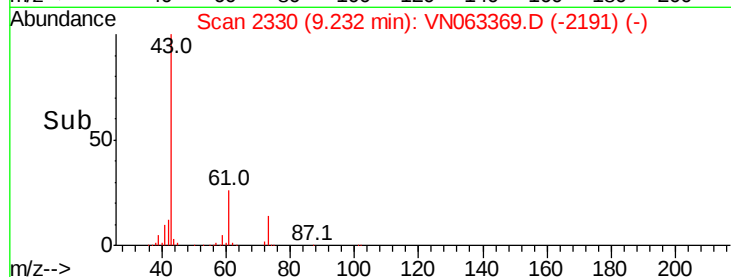
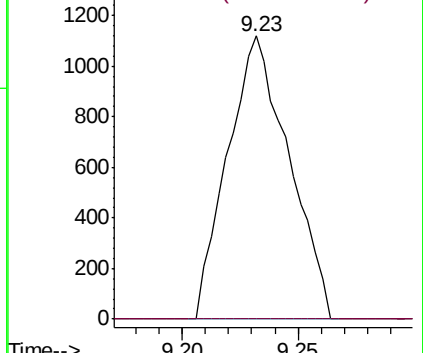
63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.205 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

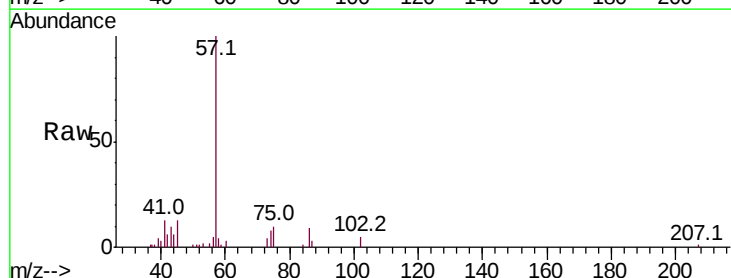
Tgt Ion: 41 Resp: 5030

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

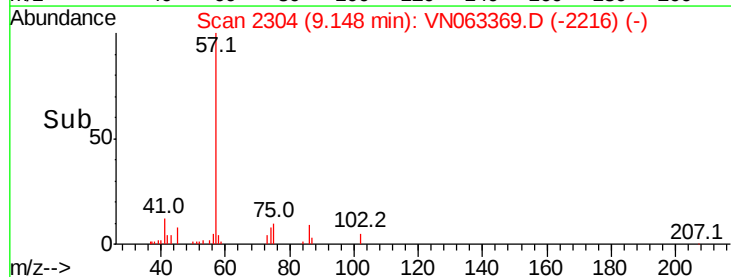
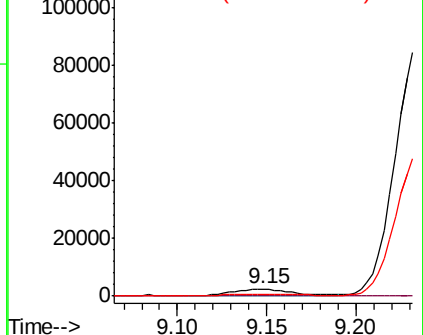
39 0.0 52.9 79.3#

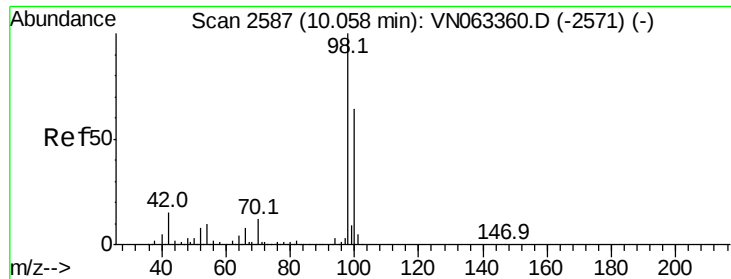


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 49.810 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

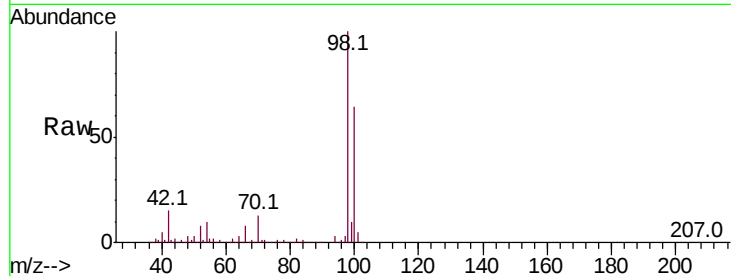
PB131646ZHE#02

Tot Ion: 98 Resp: 589302

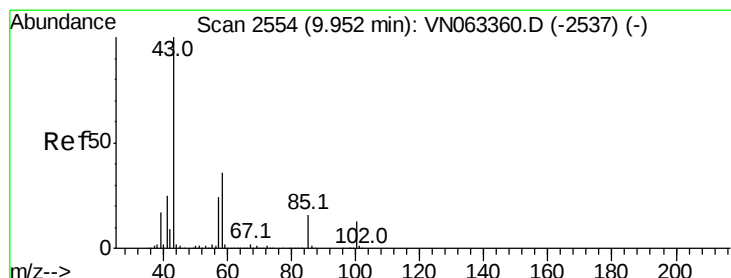
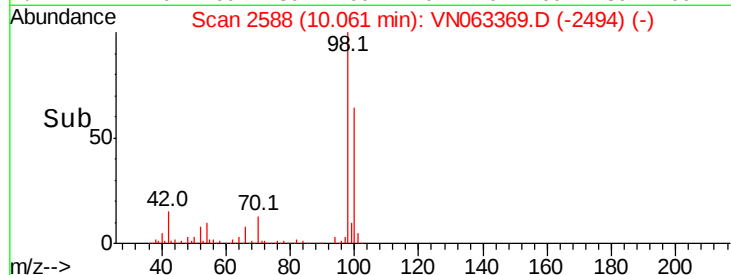
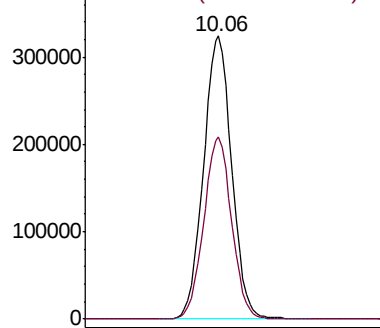
Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063369.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.606 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063369.D

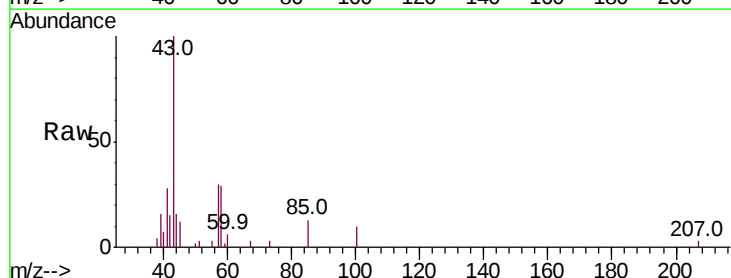
Acq: 16 Sep 2020 17:07

Tgt Ion: 43 Resp: 12395

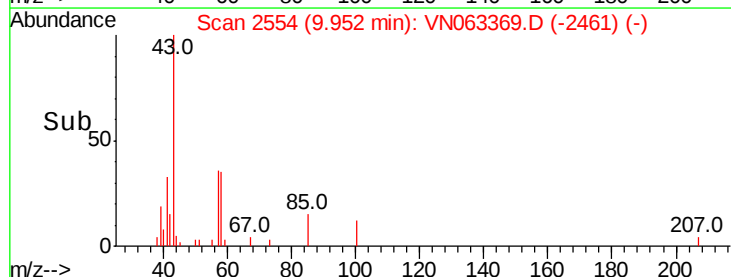
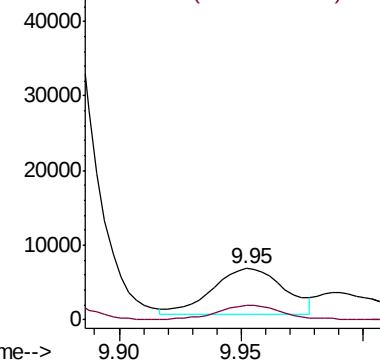
Ion Ratio Lower Upper

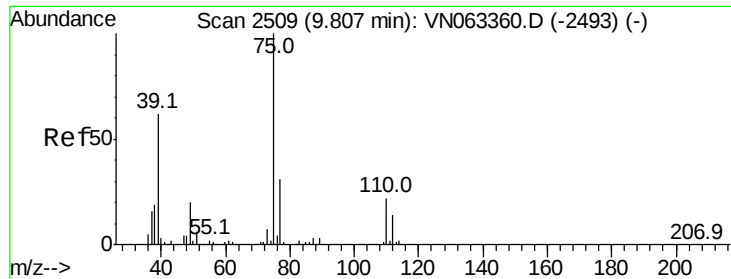
43 100

58 29.9 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063369.D (-2461) (-)





#54

cis-1,3-Dichloropropene

Concen: 7.403 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#02

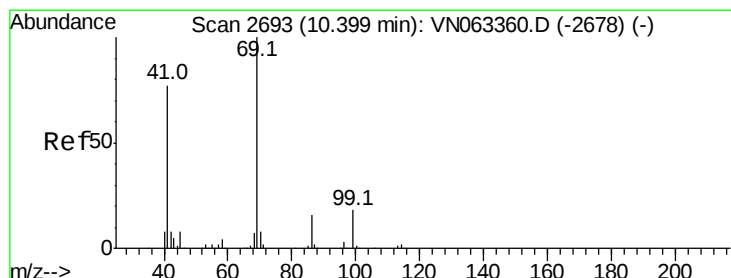
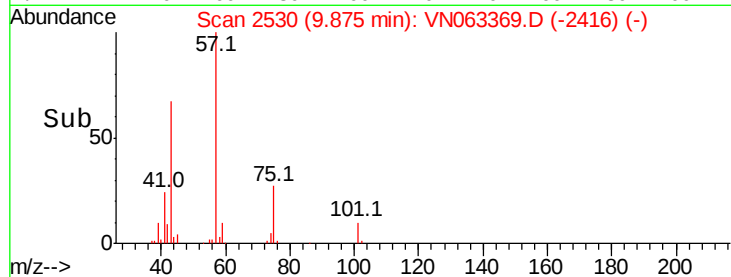
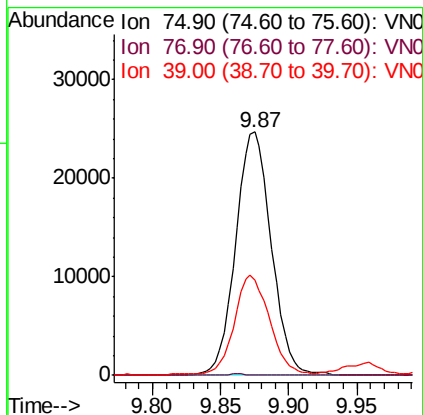
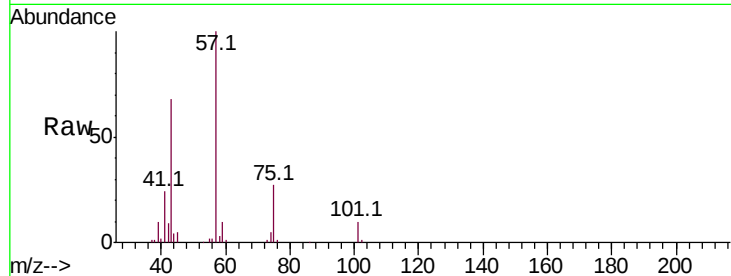
Tot Ion: 75 Resp: 44812

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 38.0 49.8 74.8#



#56

Ethyl methacrylate

Concen: 0.314 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

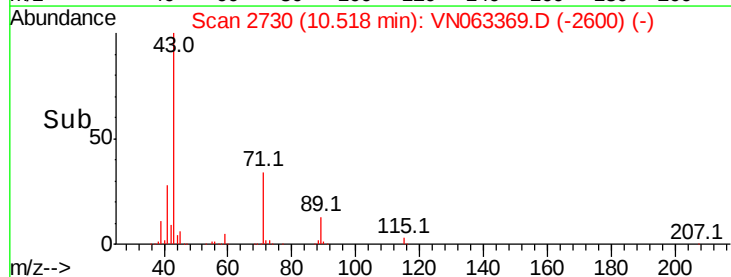
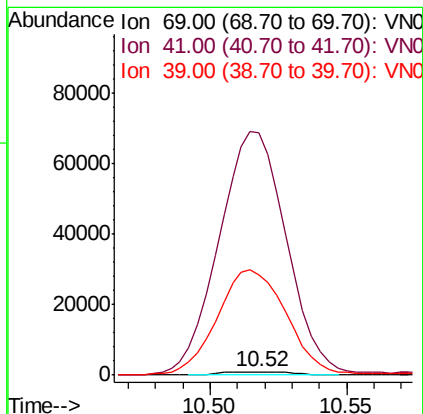
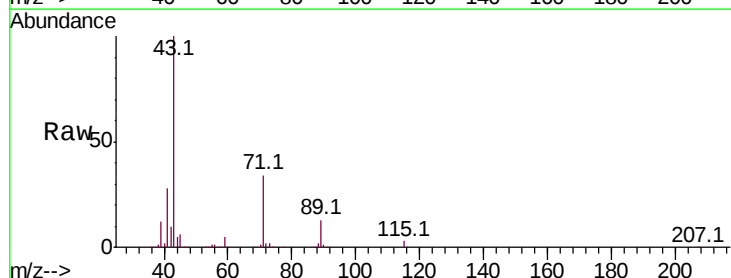
Tgt Ion: 69 Resp: 1619

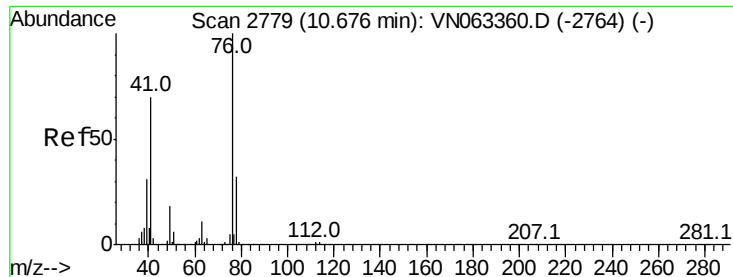
Ion Ratio Lower Upper

69 100

41 7408.8 61.0 91.6#

39 3304.4 39.2 58.8#





#57

1,3-Dichloropropane

Concen: 1.147 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

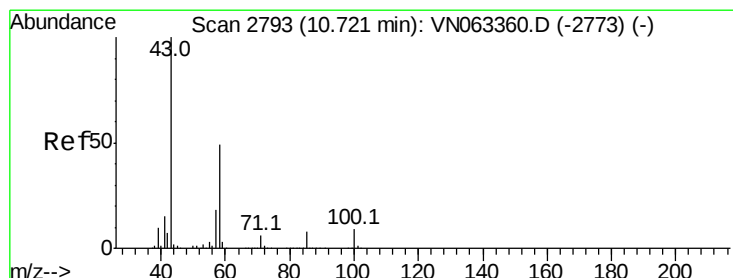
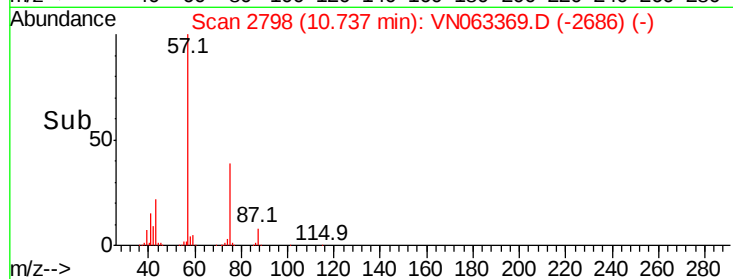
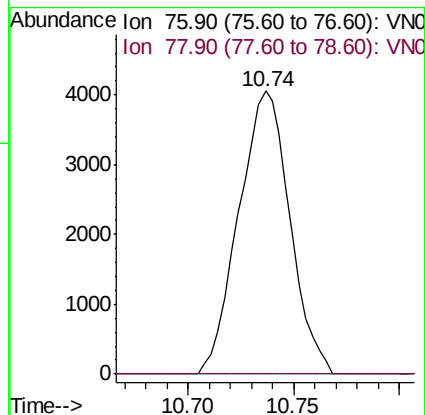
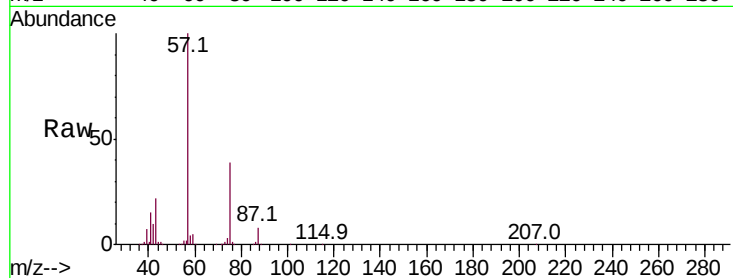
PB131646ZHE#02

Tot Ion: 76 Resp: 6826

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 32.291 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063369.D

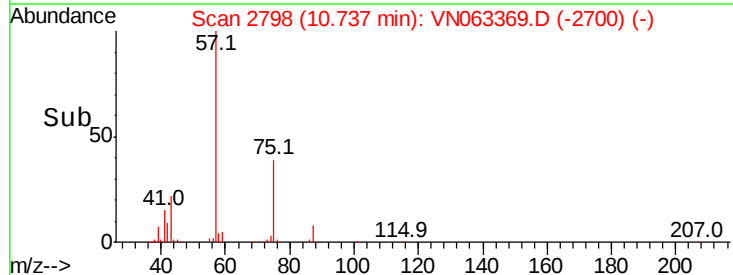
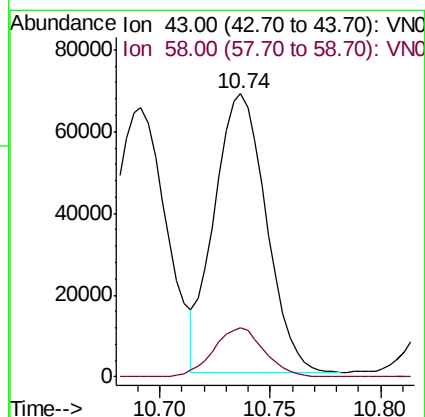
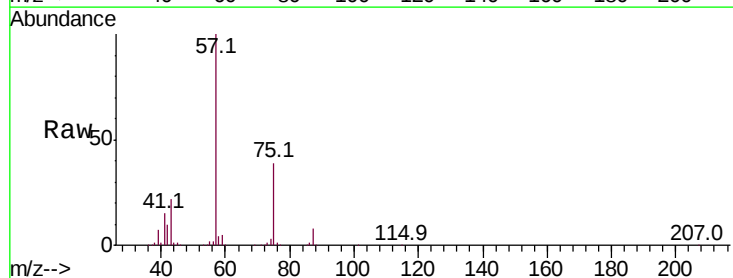
Acq: 16 Sep 2020 17:07

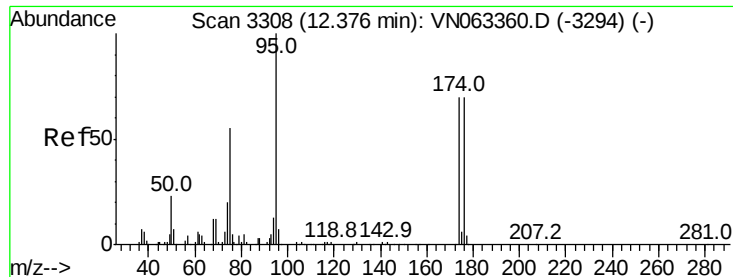
Tgt Ion: 43 Resp: 111287

Ion Ratio Lower Upper

43 100

58 17.3 24.7 74.1#

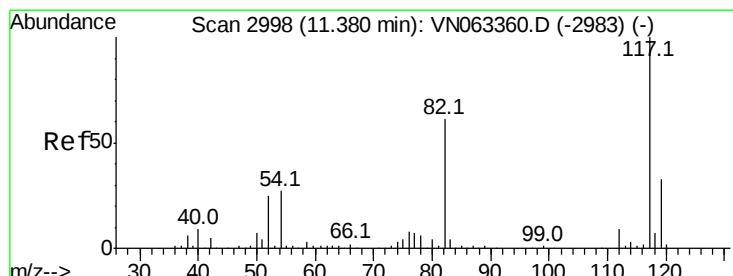
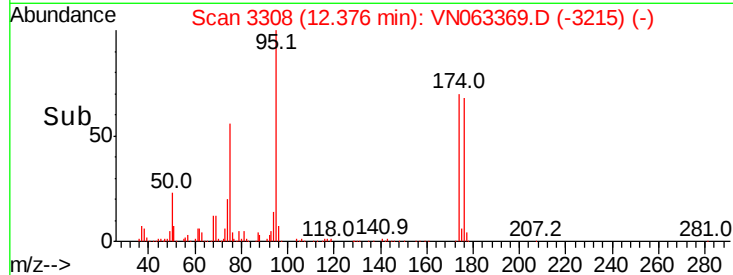
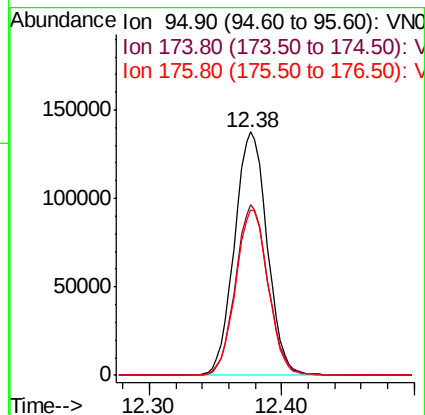
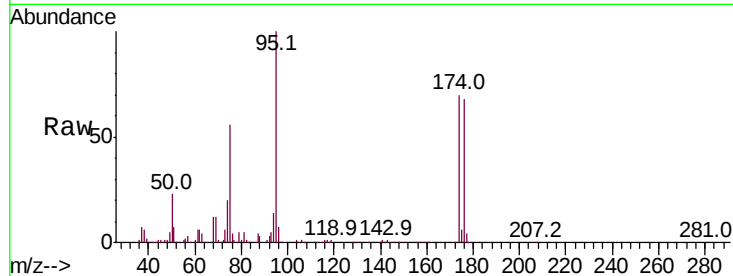




#62
4-Bromofluorobenzene
Concen: 54.484 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

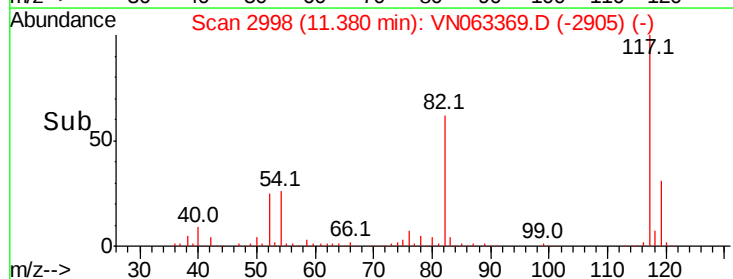
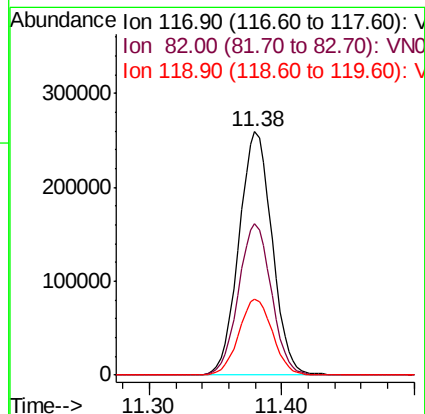
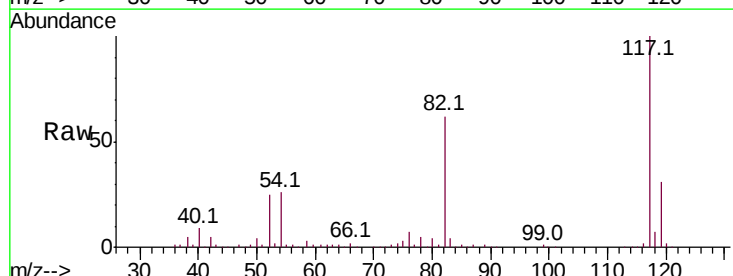
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#02

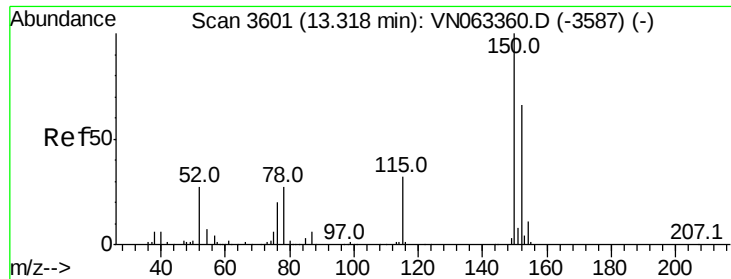
Tot Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	140.8
176	67.3	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063369.D
Acq: 16 Sep 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.2	73.8
119	31.2	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#02

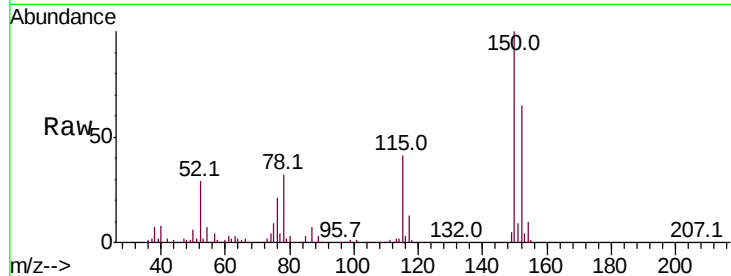
Tot Ion:152 Resp: 192399

Ion Ratio Lower Upper

152 100

115 62.9 32.2 96.6

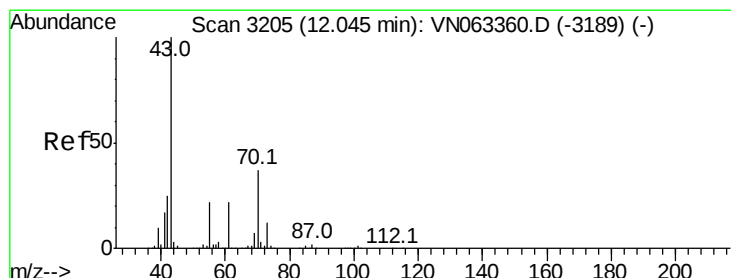
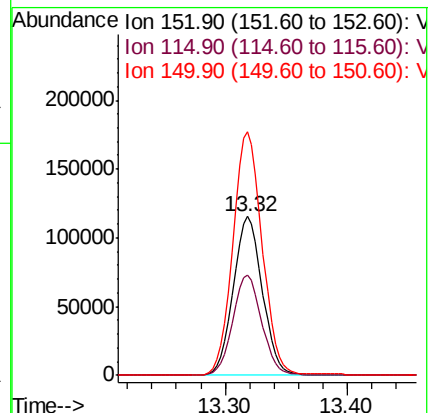
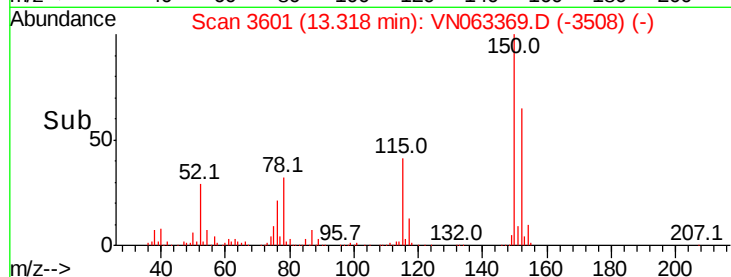
150 154.2 0.0 343.4



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-aryl acetate

Concen: 0.469 ug/l

RT: 12.00 min Scan# 3191

Delta R.T. -0.05 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Tgt Ion: 43 Resp: 3426

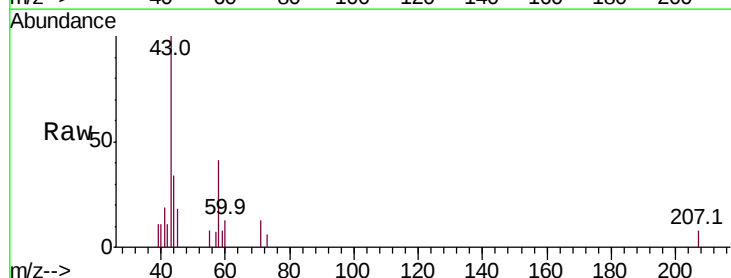
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 10.9 17.7 26.5#

61 0.0 17.4 26.2#

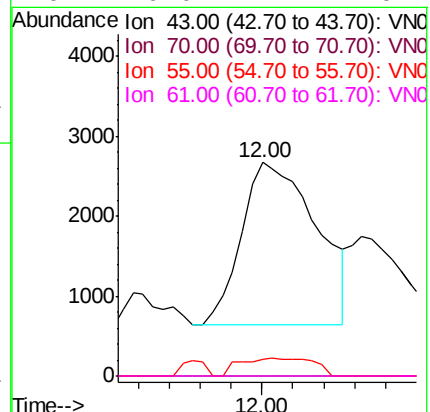
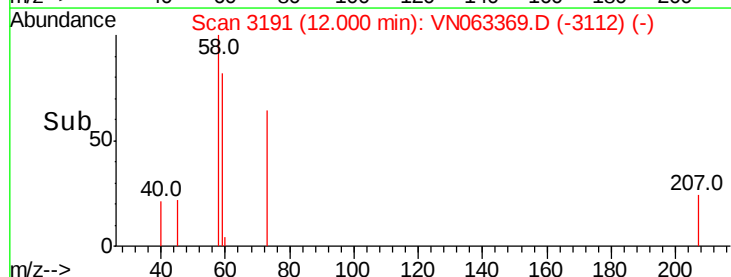


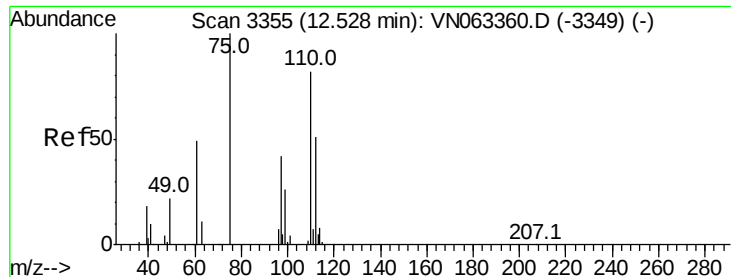
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 27.651 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

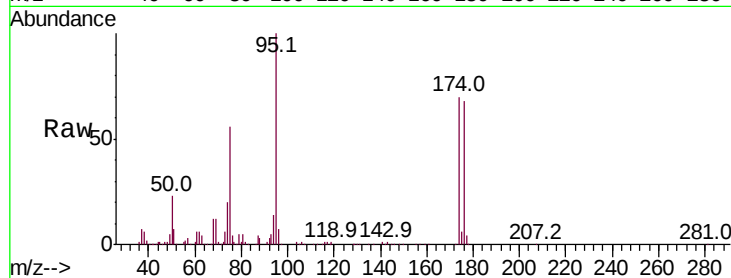
PB131646ZHE#02

Tot Ion: 75 Resp: 131679

Ion Ratio Lower Upper

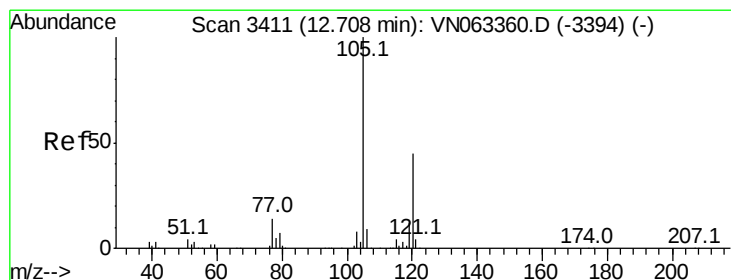
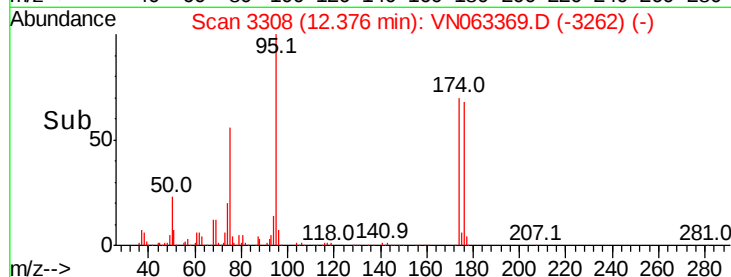
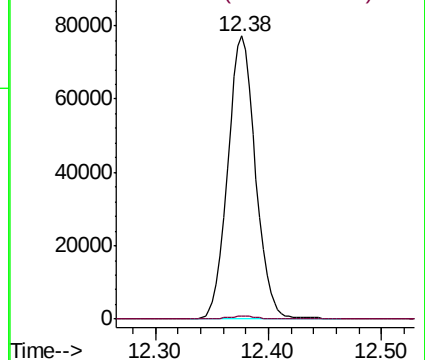
75 100

77 1.0 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: 0.339 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063369.D

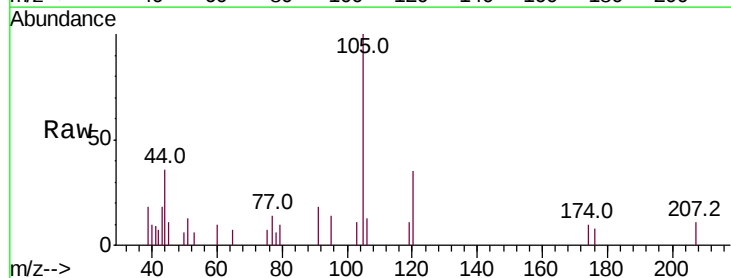
Acq: 16 Sep 2020 17:07

Tgt Ion: 105 Resp: 4363

Ion Ratio Lower Upper

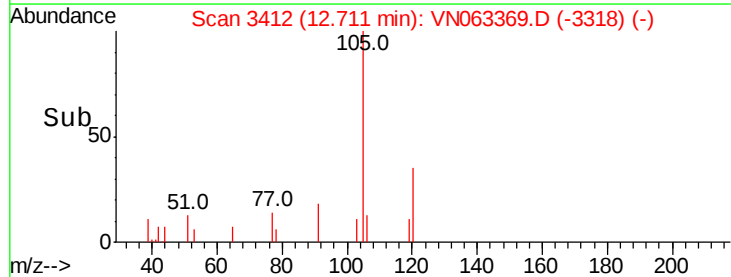
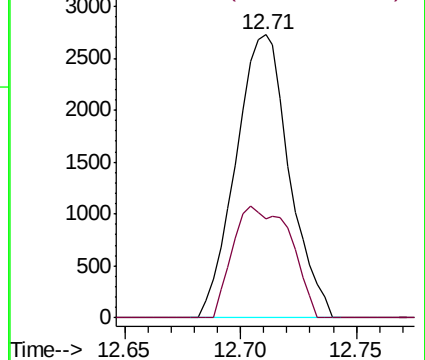
105 100

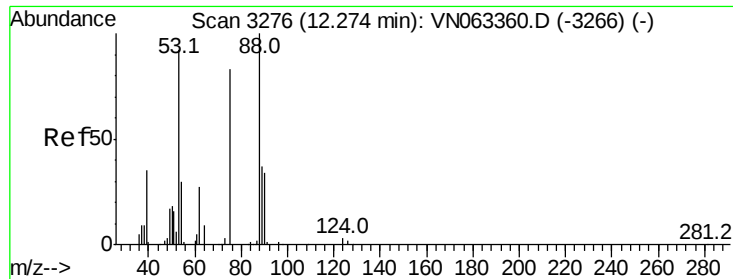
120 42.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.809 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063369.D

Acq: 16 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#02

Tot Ion: 75 Resp: 131679

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

