

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063616.D
 Acq On : 24 Sep 2020 3:17
 Operator : JC/MD
 Sample : PB131813ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131813ZHE#15

Quant Time: Sep 24 05:04:37 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	210579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172993	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	179269	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.55	113	129827	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.06	98	521917	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.38	95	203348	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	

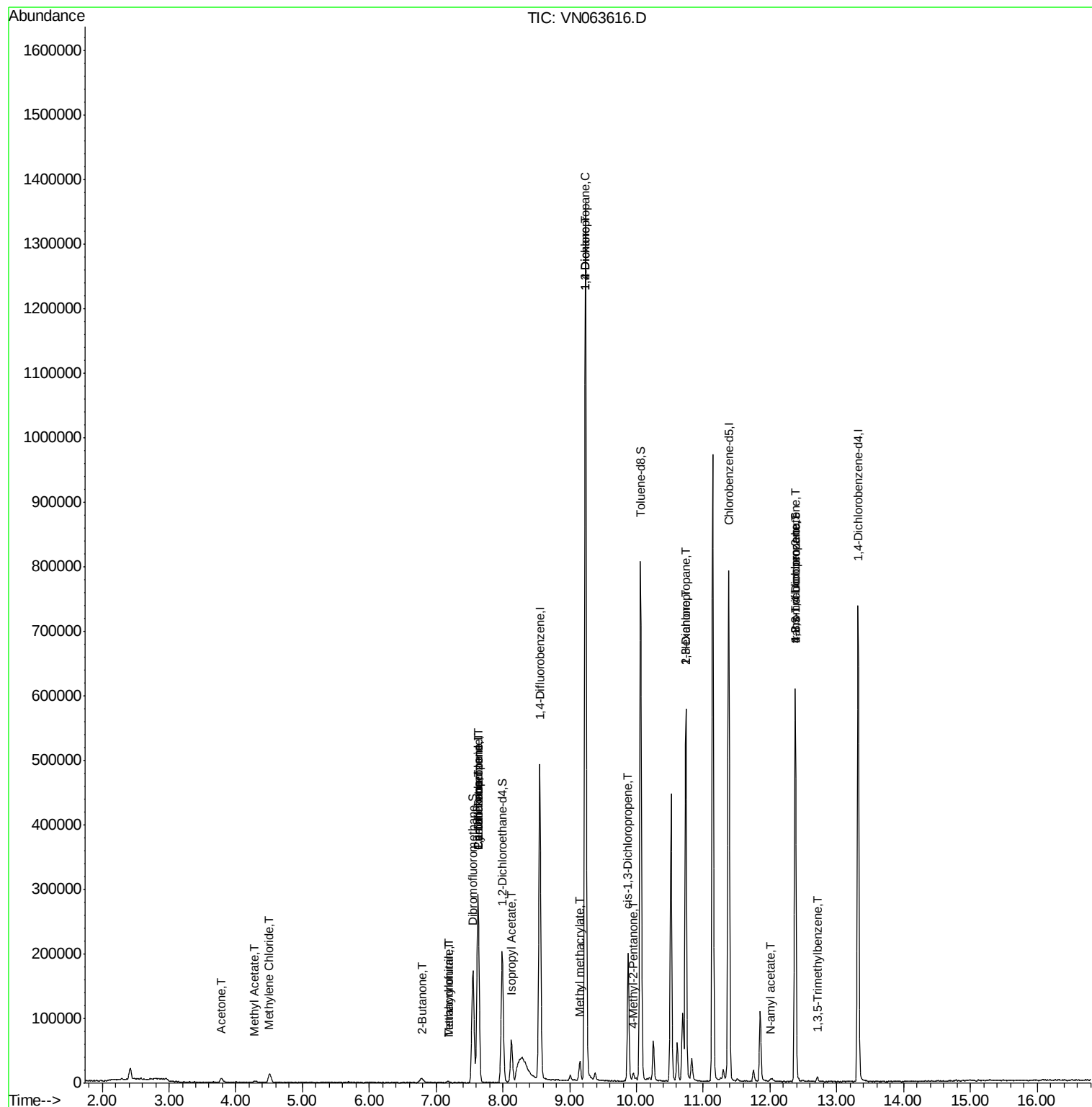
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10928	9.486	ug/l	98
18) Methyl Acetate	4.27	43	1459	0.499	ug/l #	68
20) Methylene Chloride	4.51	84	8795	3.013	ug/l	93
25) 2-Butanone	6.79	43	1660	0.937	ug/l	99
29) Tetrahydrofuran	7.17	42	1175	0.971	ug/l #	59
31) Cyclohexane	7.63	56	6378	1.288	ug/l #	39
36) 1,1-Dichloropropene	7.63	75	19550	4.551	ug/l #	50
38) Carbon Tetrachloride	7.63	117	23021	5.249	ug/l #	18
41) Methacrylonitrile	7.18	41	741	0.391	ug/l #	100
43) Isopropyl Acetate	8.13	43	79326	10.521	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1413	0.423	ug/l #	43
48) Methyl methacrylate	9.14	41	4116	1.111	ug/l #	15
49) 1,4-Dioxane	9.23	88	316	5.945	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	9148	2.167	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	33975	6.326	ug/l #	66
57) 1,3-Dichloropropane	10.74	76	5784	1.095	ug/l #	42
59) 2-Hexanone	10.74	43	89634	29.312	ug/l #	54
74) N-amyl acetate	12.01	43	2668	0.407	ug/l #	56
76) 1,2,3-Trichloropropane	12.38	75	116484	27.204	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3809	0.330	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	116484	74.584	ug/l #	7

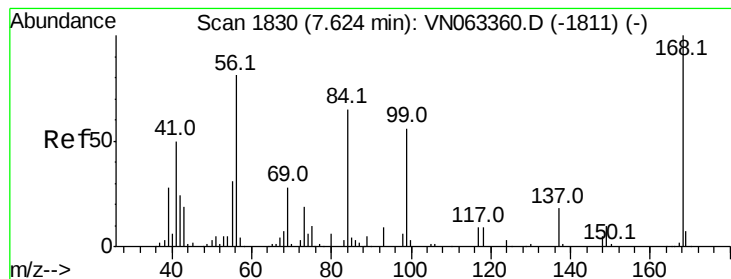
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\
Data File : VN063616.D
Acq On : 24 Sep 2020 3:17
Operator : JC/MD
Sample : PB131813ZHE#15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB131813ZHE#15

Quant Time: Sep 24 05:04:37 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: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

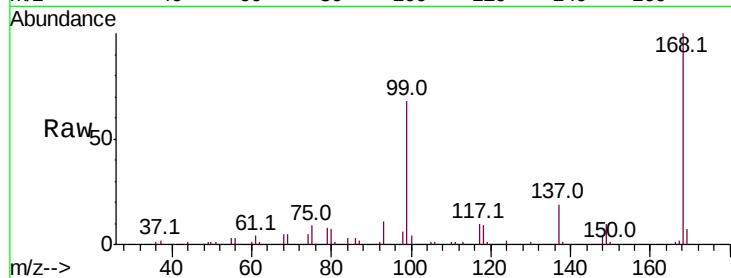
PB131813ZHE#15

Tot Ion:168 Resp: 210579

Ion Ratio Lower Upper

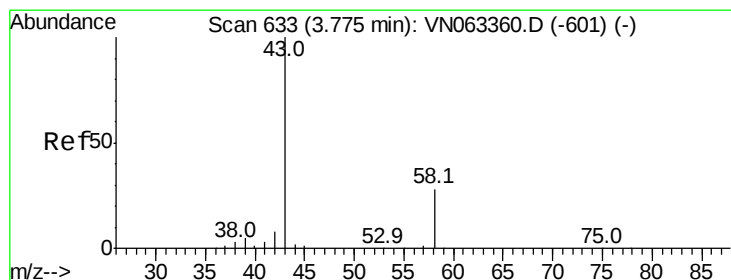
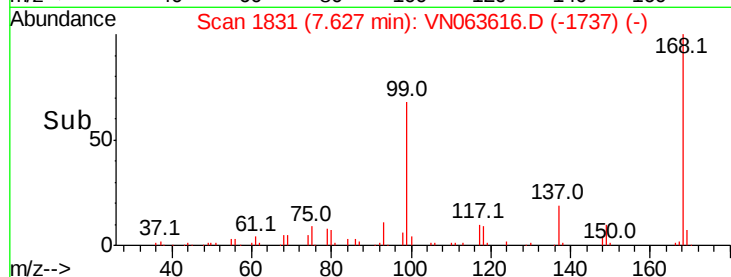
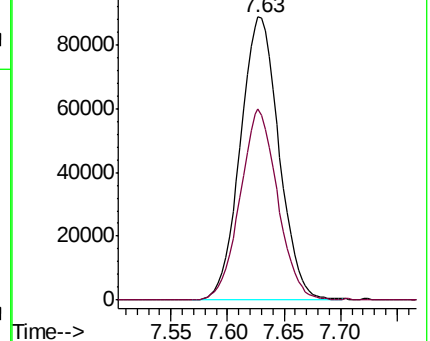
168 100

99 67.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 9.486 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063616.D

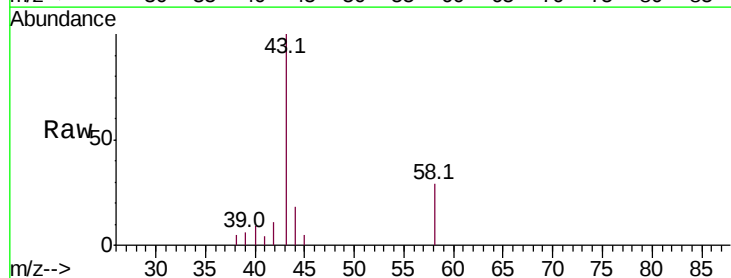
Acq: 24 Sep 2020 3:17

Tgt Ion: 43 Resp: 10928

Ion Ratio Lower Upper

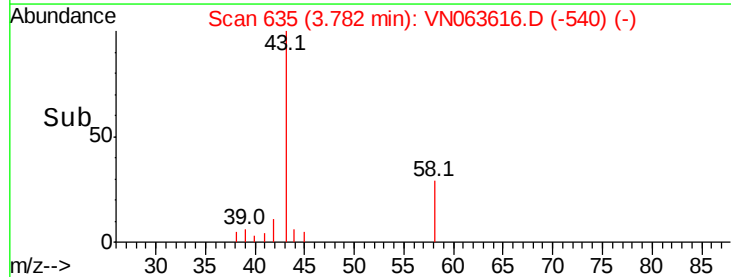
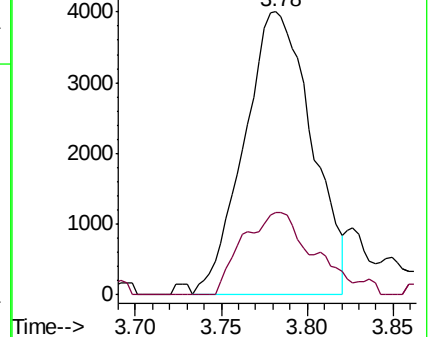
43 100

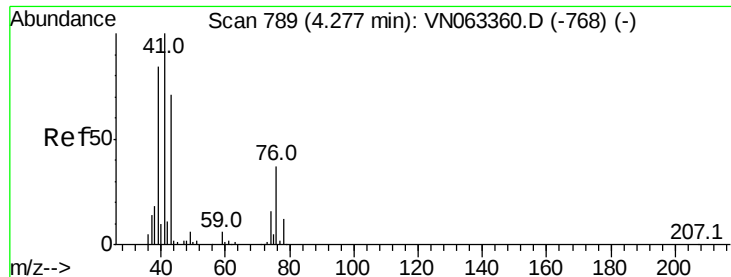
58 28.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

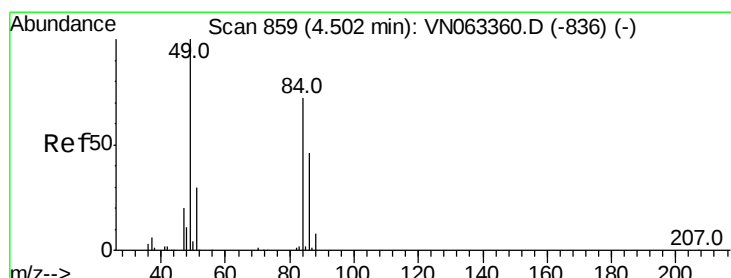
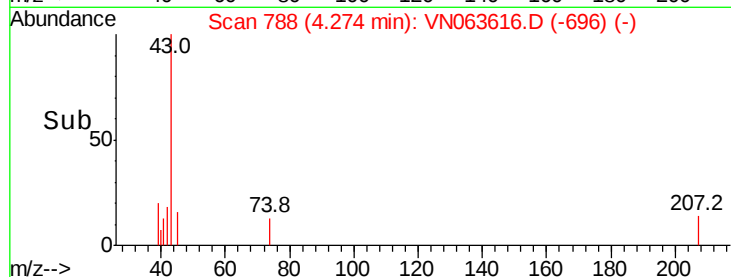
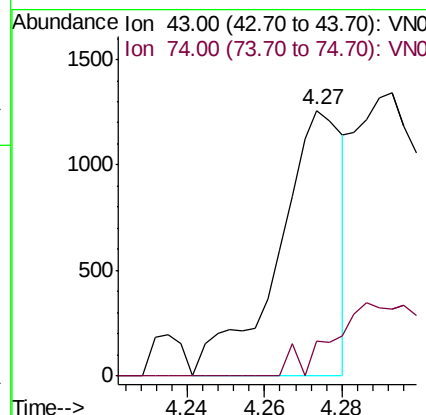
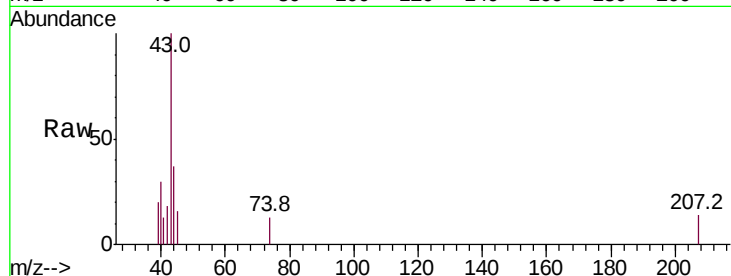




#18
Methyl Acetate
Concen: 0.499 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

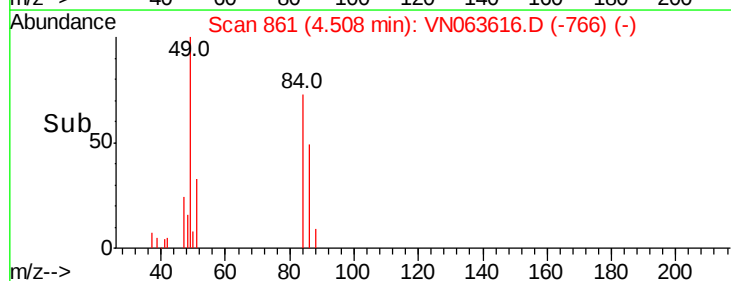
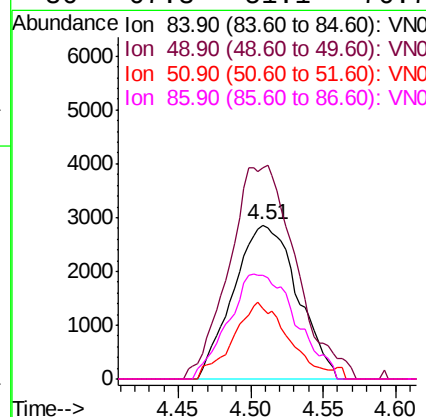
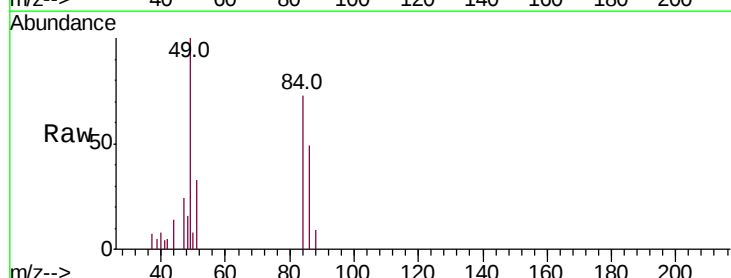
Instrument :
MSVOA_N
ClientSampleId :
PB131813ZHE#15

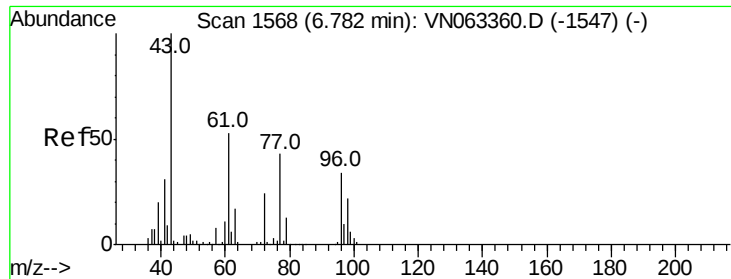
Tot Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
74 36.9 17.4 26.2#



#20
Methylene Chloride
Concen: 3.013 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

Tgt Ion: 84 Resp: 8795
Ion Ratio Lower Upper
84 100
49 129.1 110.7 166.1
51 45.5 32.9 49.3
86 67.3 51.1 76.7





#25

2-Butanone

Concen: 0.937 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

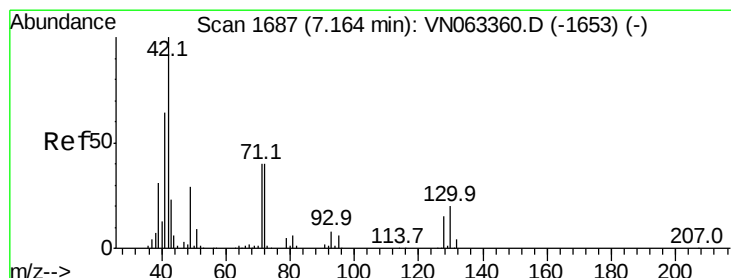
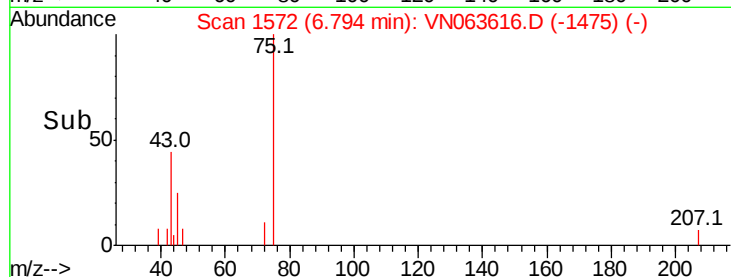
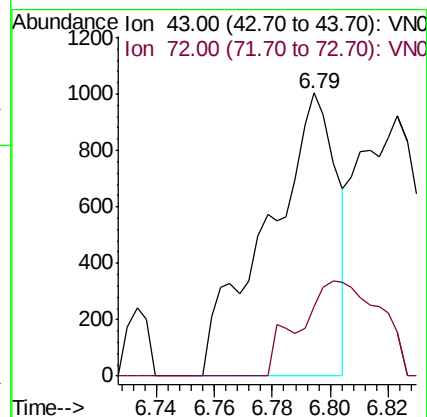
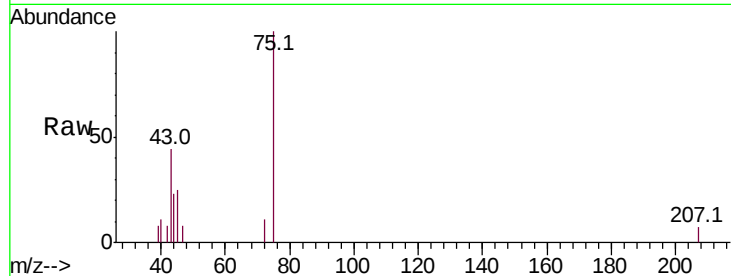
PB131813ZHE#15

Tot Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

72 24.5 19.2 28.8



#29

Tetrahydrofuran

Concen: 0.971 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

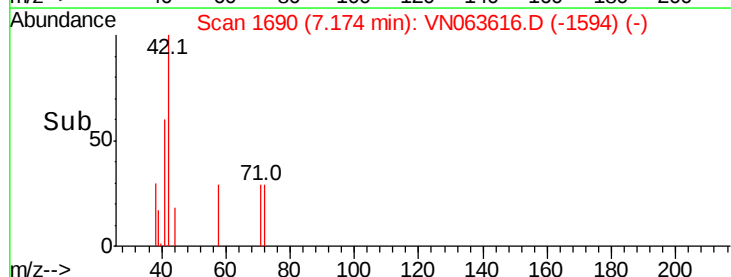
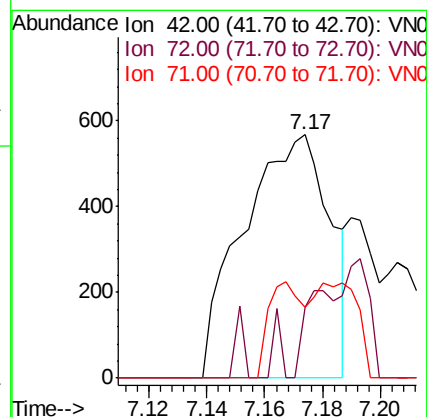
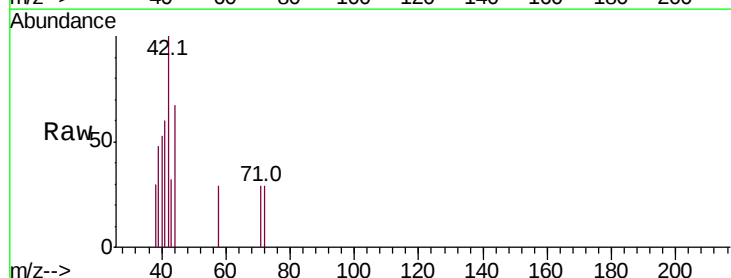
Tgt Ion: 42 Resp: 1175

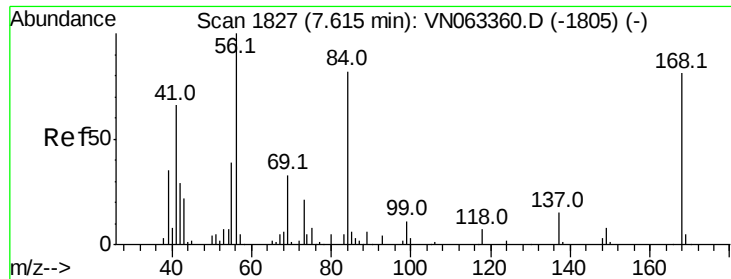
Ion Ratio Lower Upper

42 100

72 12.3 32.1 48.1#

71 16.8 31.2 46.8#

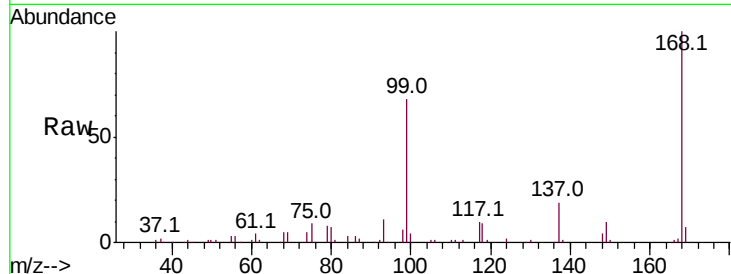




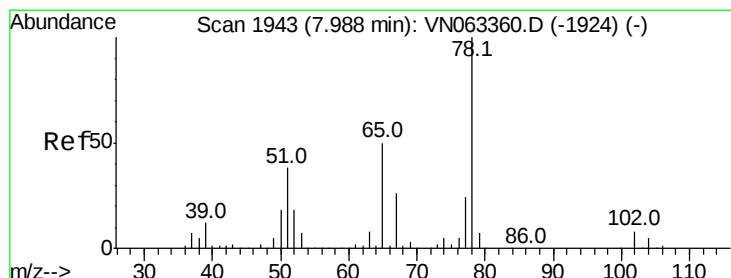
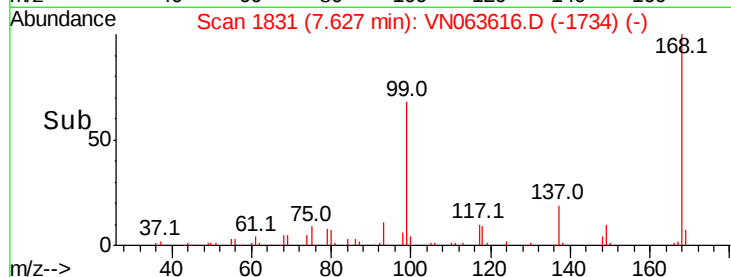
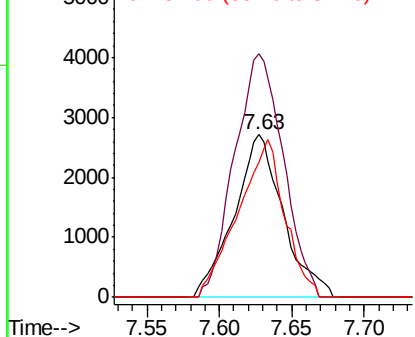
#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

Instrument :
MSVOA_N
ClientSampleId :
PB131813ZHE#15

Tot Ion: 56 Resp: 6378
Ion Ratio Lower Upper
56 100
69 149.8 26.1 39.1#
84 83.2 65.4 98.2

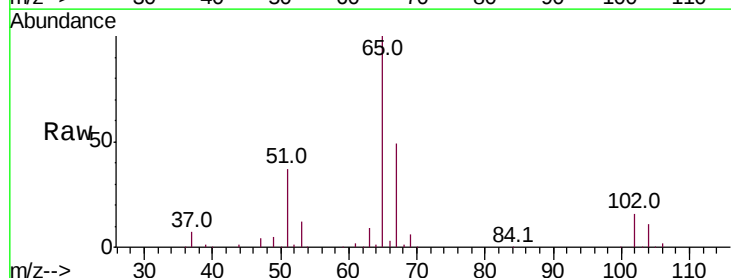


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

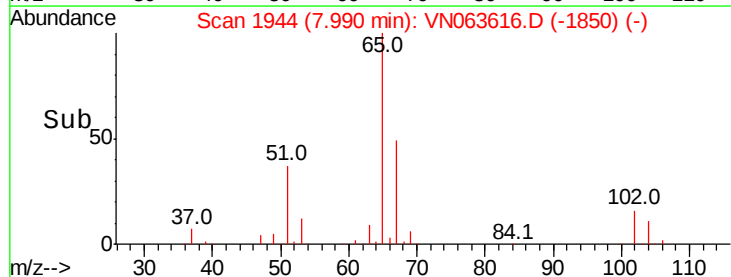
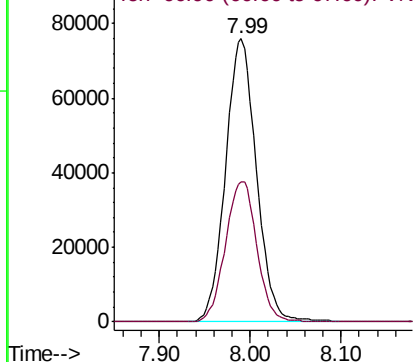


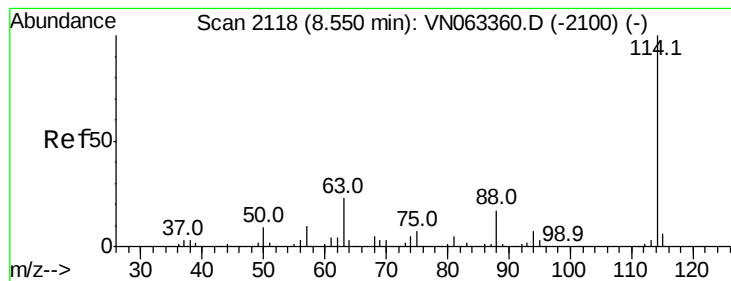
#33
1,2-Dichloroethane-d4
Concen: 50.011 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

Tgt Ion: 65 Resp: 179269
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

PB131813ZHE#15

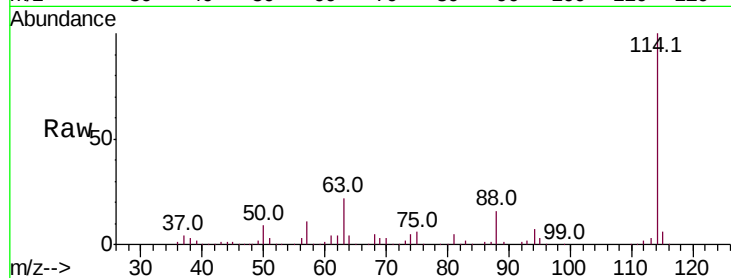
Tot Ion:114 Resp: 403259

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

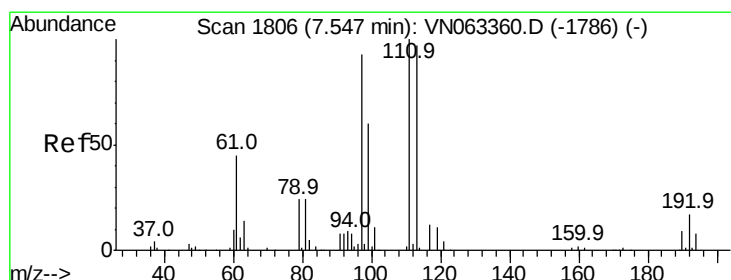
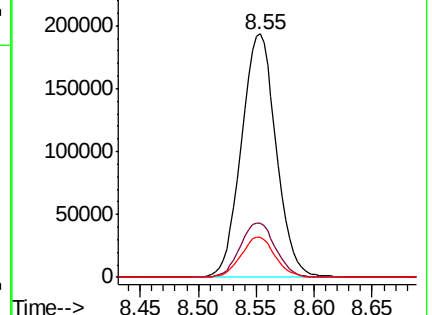
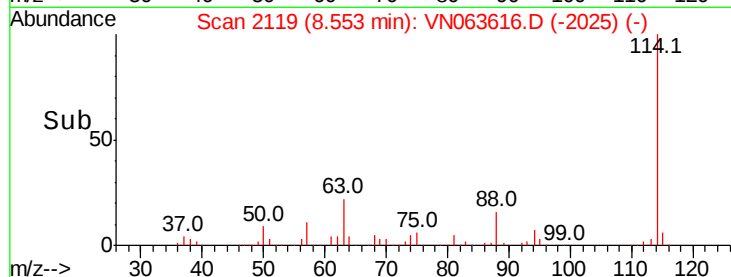
88 16.3 0.0 33.2



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: 46.505 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

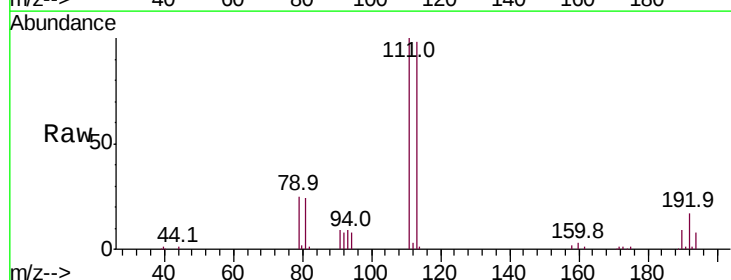
Tgt Ion:113 Resp: 129827

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

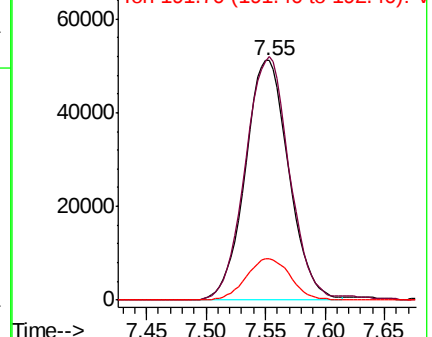
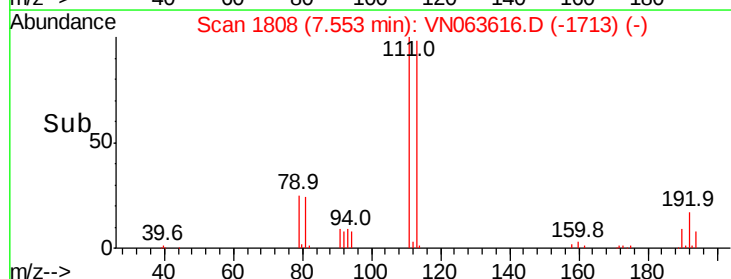
192 17.7 13.9 20.9

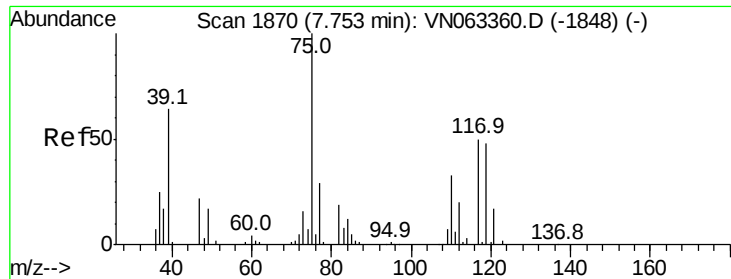


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

PB131813ZHE#15

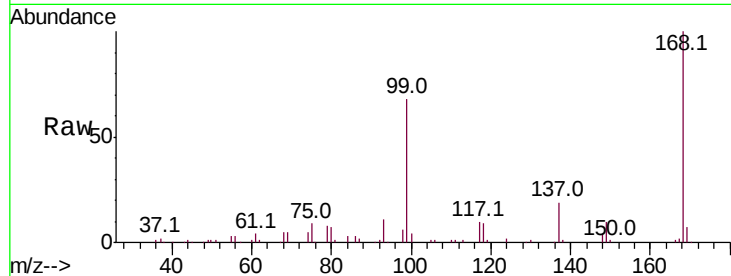
Tot Ion: 75 Resp: 19550

Ion Ratio Lower Upper

75 100

110 8.0 16.5 49.5#

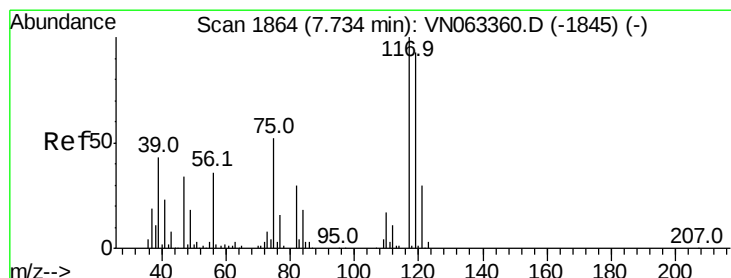
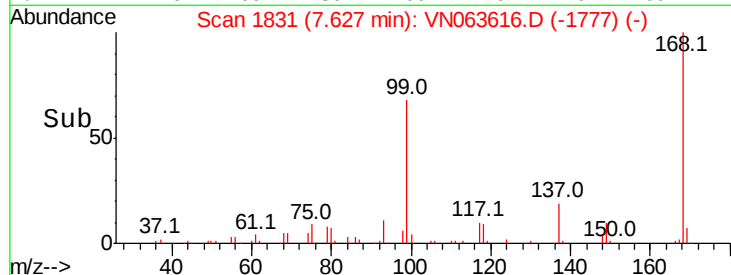
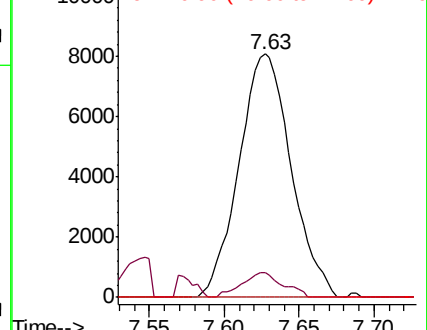
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.249 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

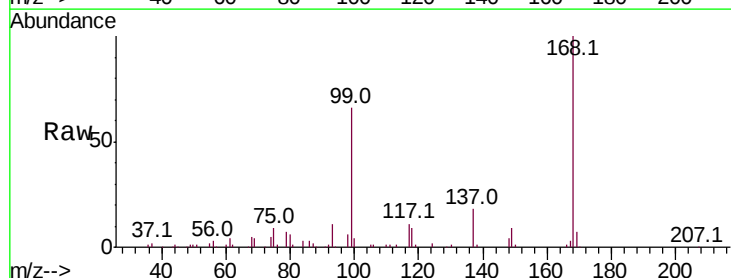
Tgt Ion: 117 Resp: 23021

Ion Ratio Lower Upper

117 100

119 5.9 74.5 111.7#

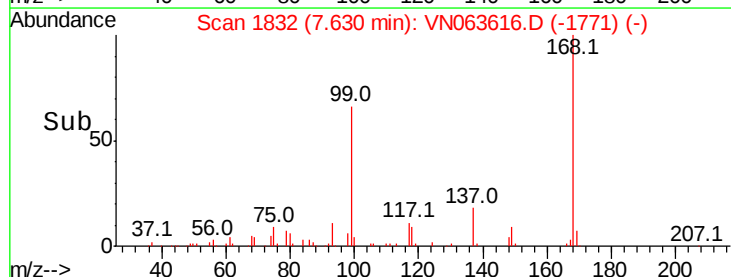
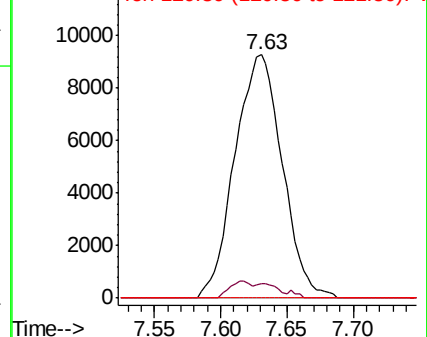
121 0.0 24.1 36.1#

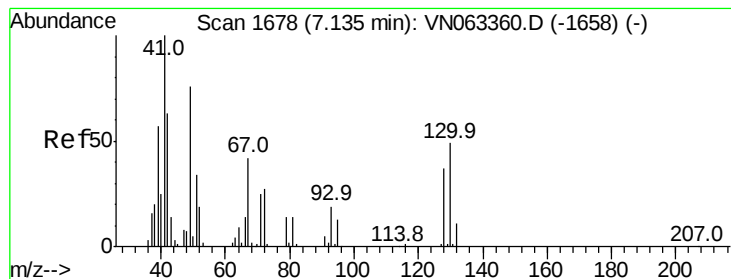


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

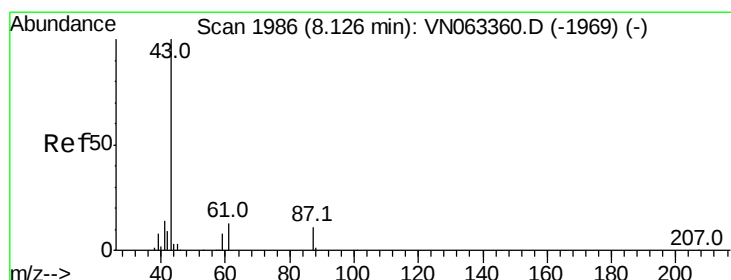
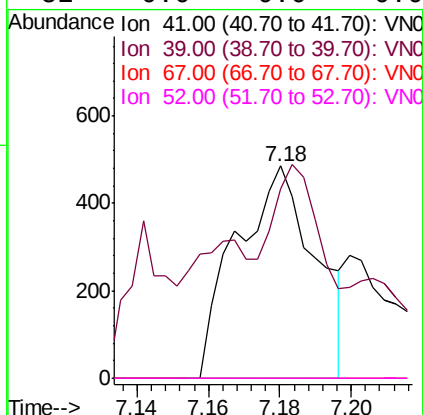
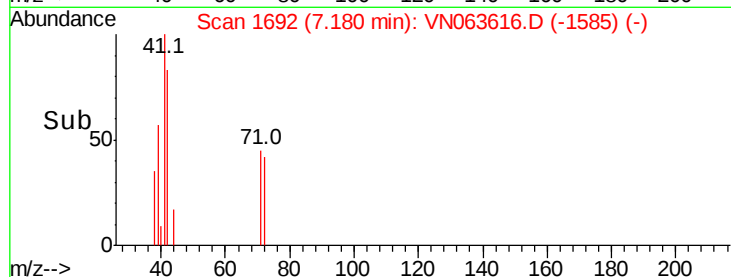
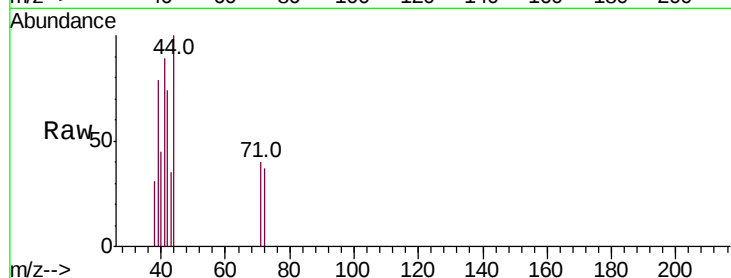




#41
Methacrylonitrile
Concen: 0.391 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

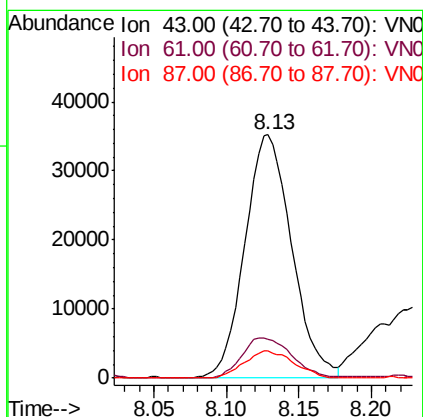
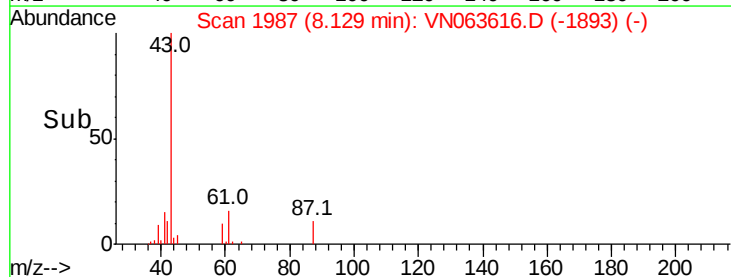
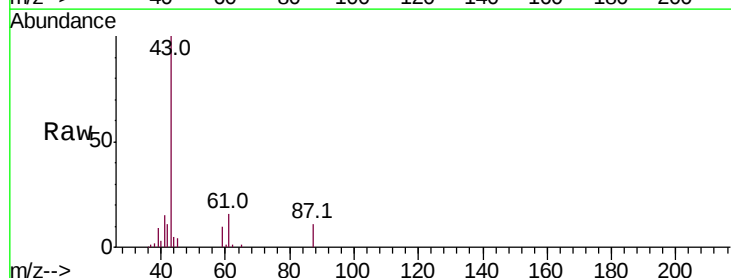
Instrument :
MSVOA_N
ClientSampleId :
PB131813ZHE#15

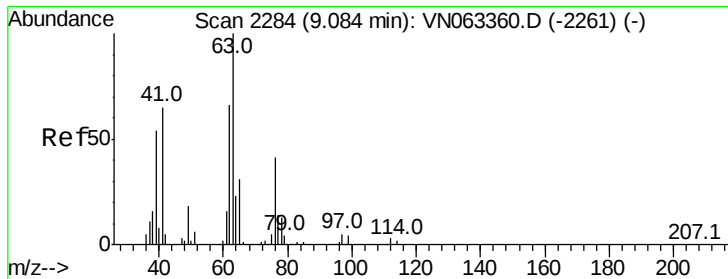
Tot Ion:	41	Resp:	741
Ion	Ratio	Lower	Upper
41	100		
39	34.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.521 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

Tgt Ion:	43	Resp:	79326
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.2
87	11.8	9.0	13.6





#45

1,2-Dichloropropane

Concen: 0.423 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

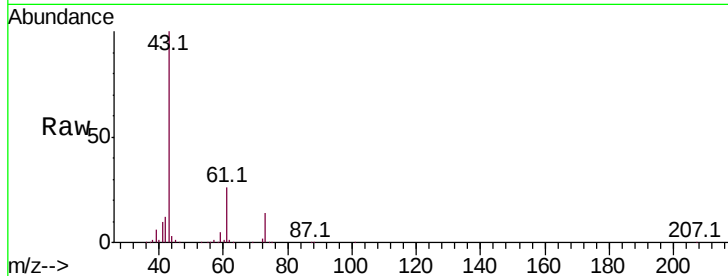
PB131813ZHE#15

Tot Ion: 63 Resp: 1413

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.23

1000

800

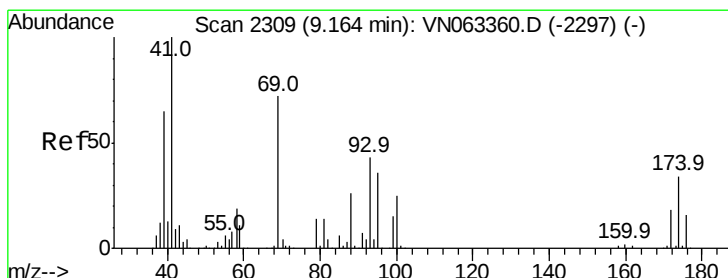
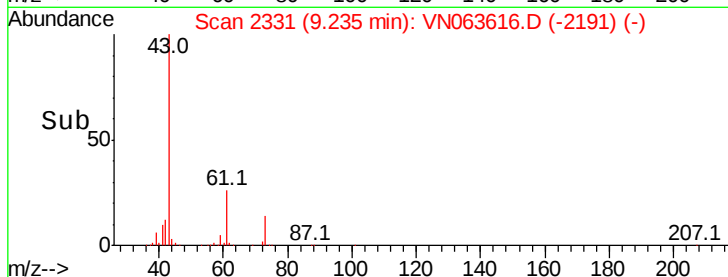
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.111 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

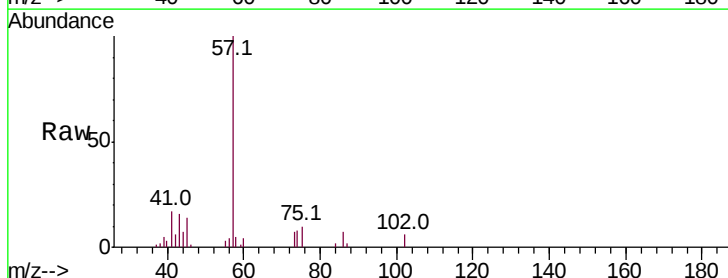
Tgt Ion: 41 Resp: 4116

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): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

30000

25000

20000

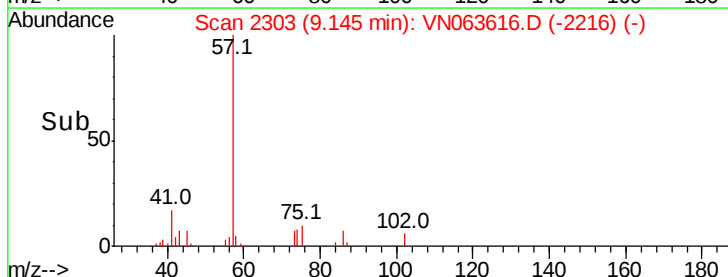
15000

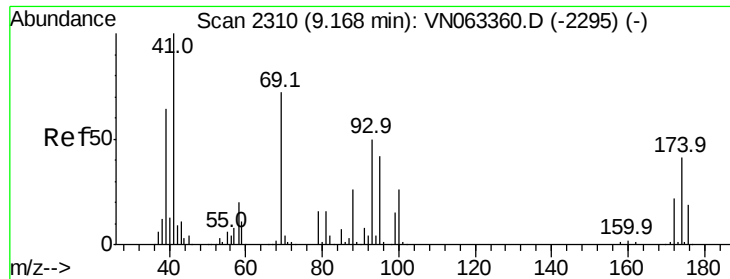
10000

5000

0

Time-->





#49

1,4-Dioxane

Concen: 5.945 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

PB131813ZHE#15

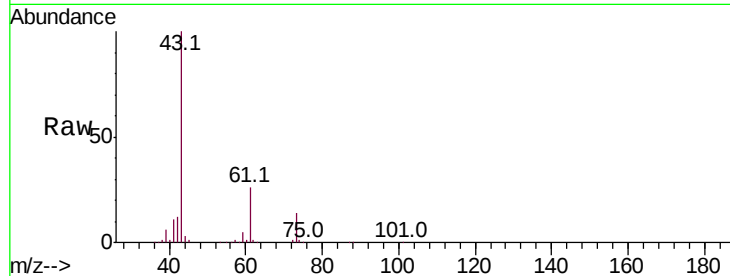
Tot Ion: 88 Resp: 316

Ion Ratio Lower Upper

88 100

43 422981.0 32.6 49.0#

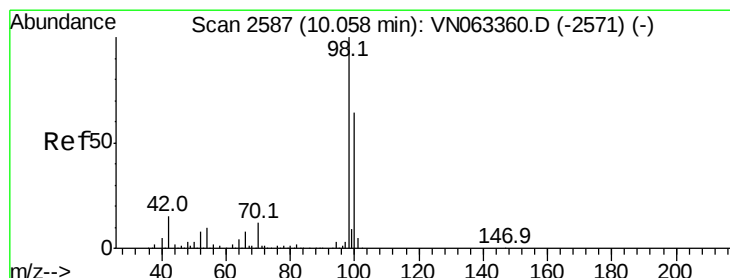
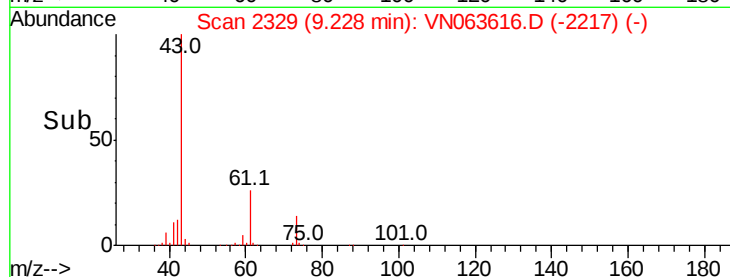
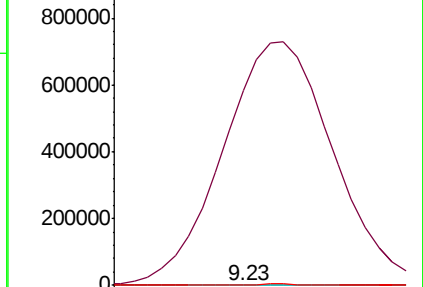
58 2011.1 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.720 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063616.D

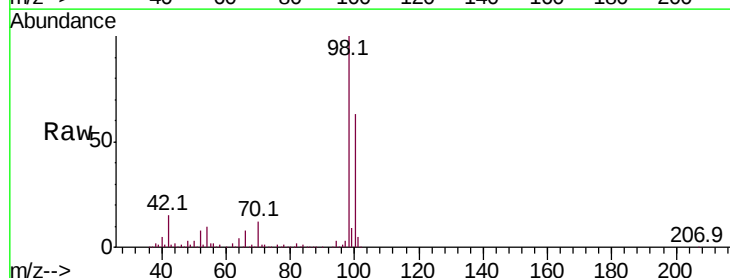
Acq: 24 Sep 2020 3:17

Tgt Ion: 98 Resp: 521917

Ion Ratio Lower Upper

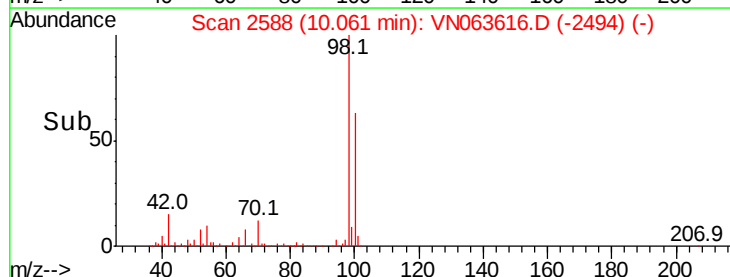
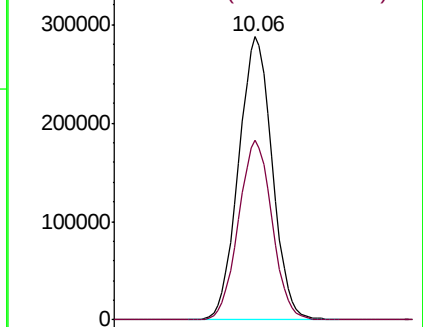
98 100

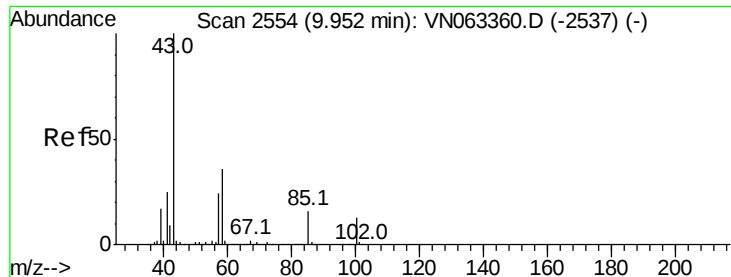
100 63.7 50.7 76.1



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: 2.167 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

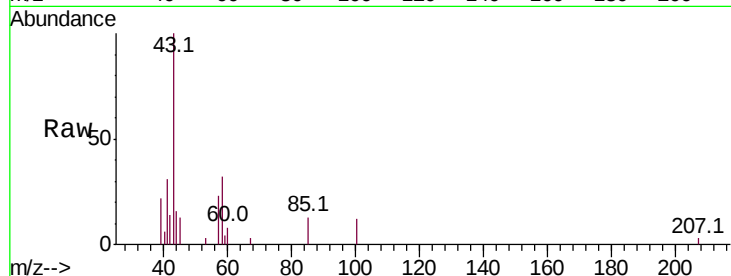
PB131813ZHE#15

Tot Ion: 43 Resp: 9148

Ion Ratio Lower Upper

43 100

58 36.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

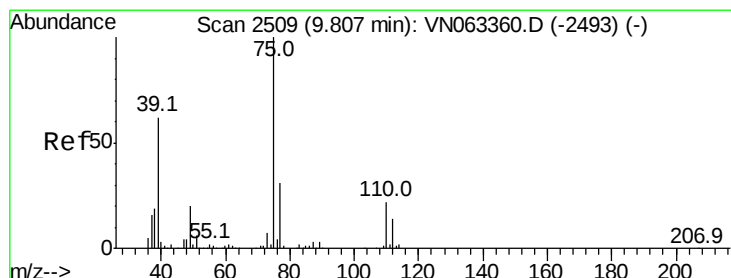
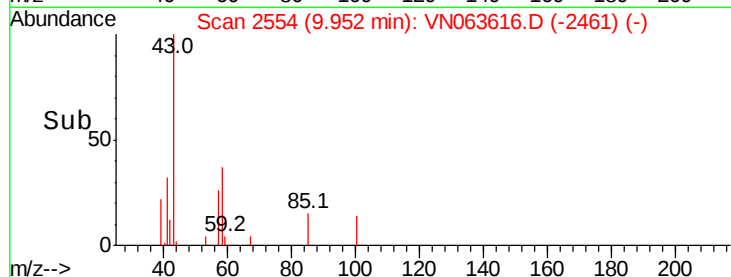
10000

5000

0

9.90 9.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 6.326 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

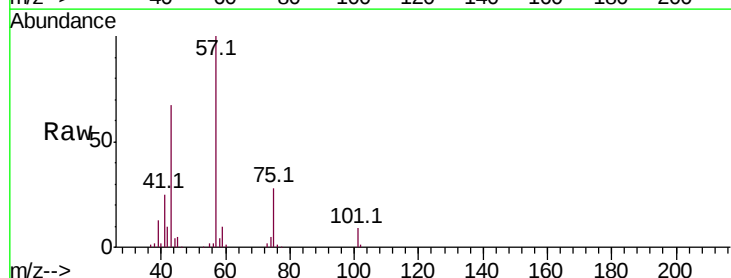
Tgt Ion: 75 Resp: 33975

Ion Ratio Lower Upper

75 100

77 0.9 24.6 37.0#

39 44.3 49.8 74.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

25000

20000

15000

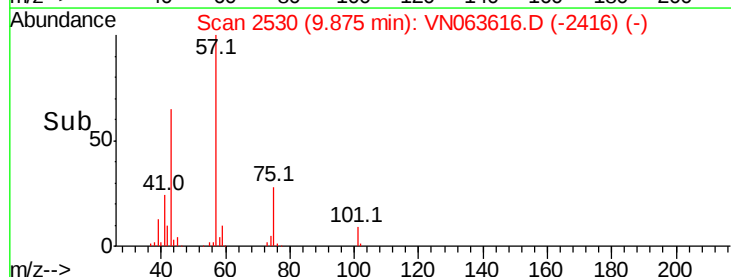
10000

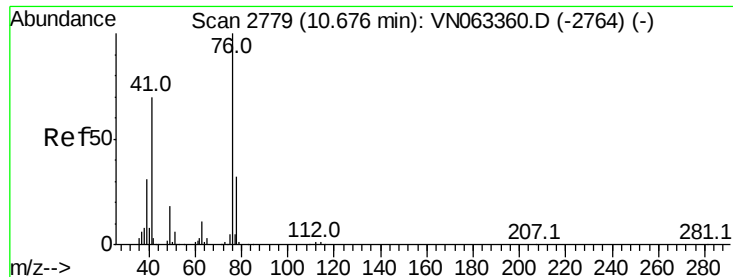
5000

0

9.80 9.85 9.90 9.95

Time-->





#57

1,3-Dichloropropane

Concen: 1.095 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

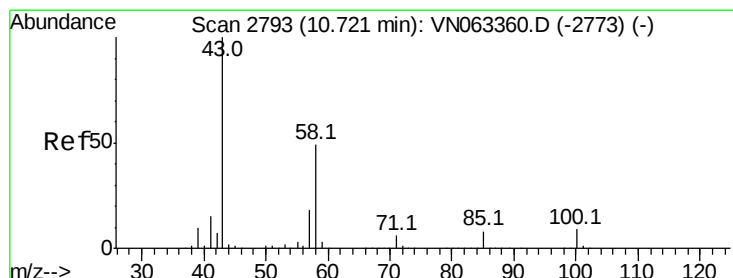
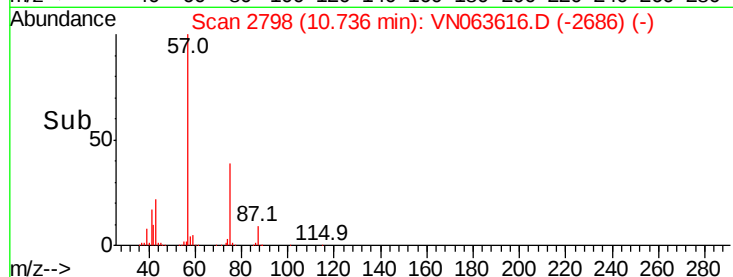
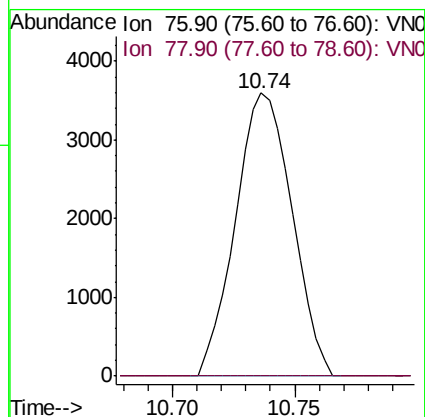
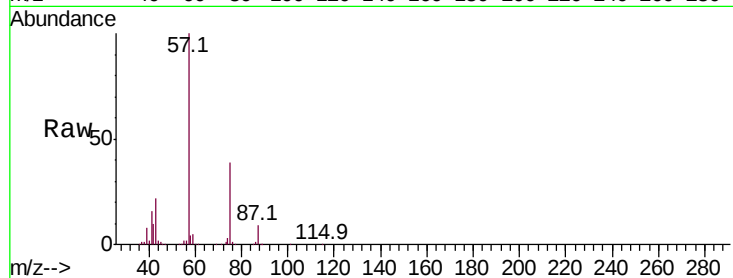
PB131813ZHE#15

Tot Ion: 76 Resp: 5784

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 29.312 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063616.D

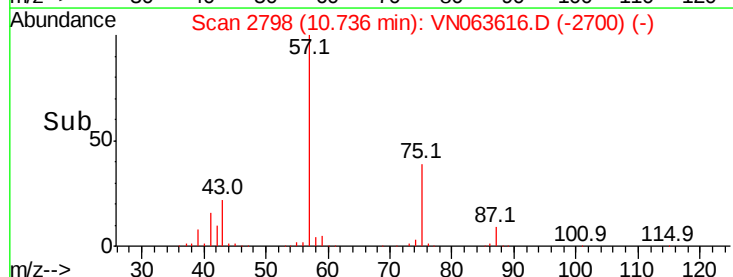
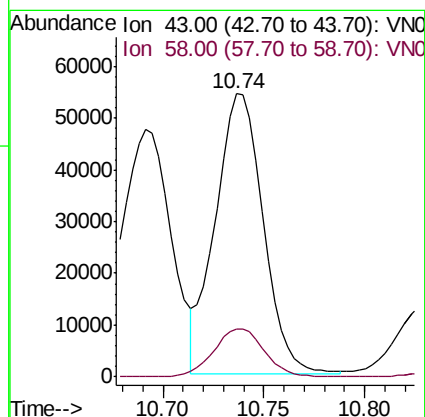
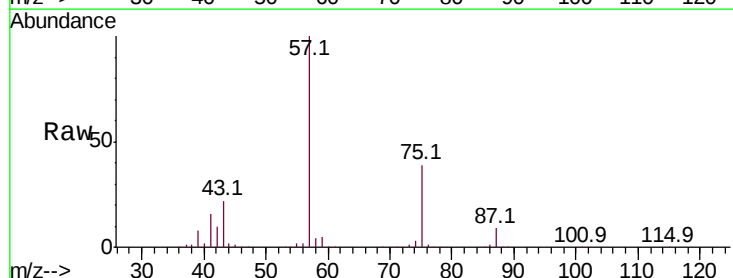
Acq: 24 Sep 2020 3:17

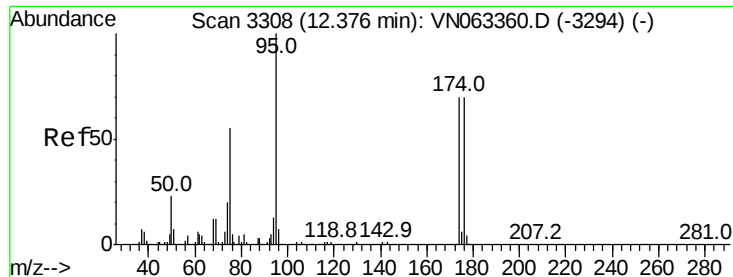
Tgt Ion: 43 Resp: 89634

Ion Ratio Lower Upper

43 100

58 18.2 24.7 74.1#

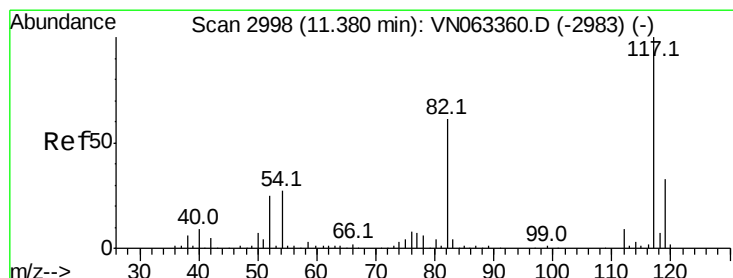
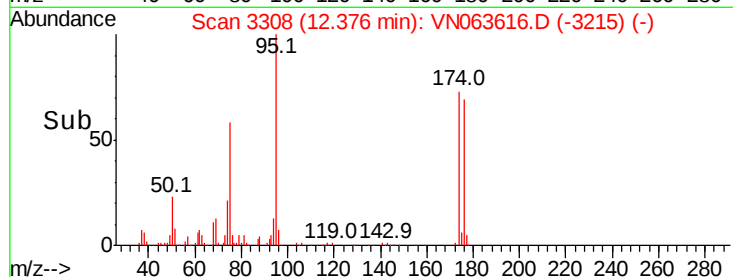
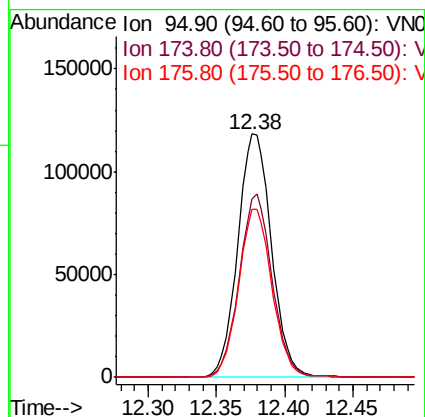
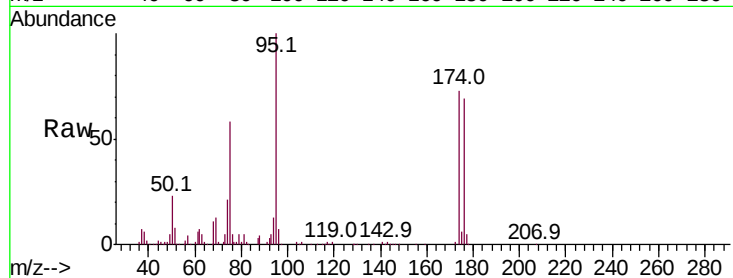




#62
4-Bromofluorobenzene
Concen: 52.844 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

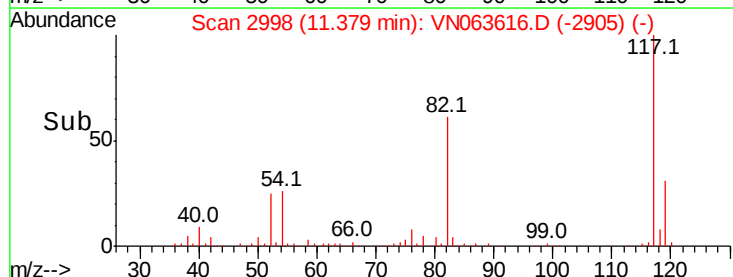
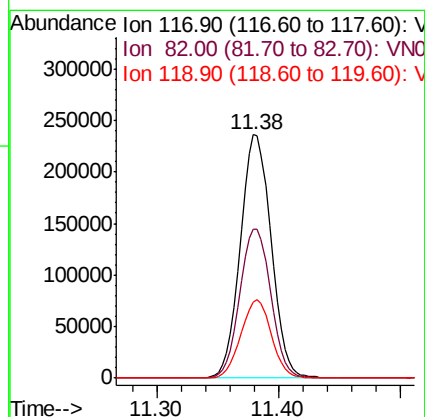
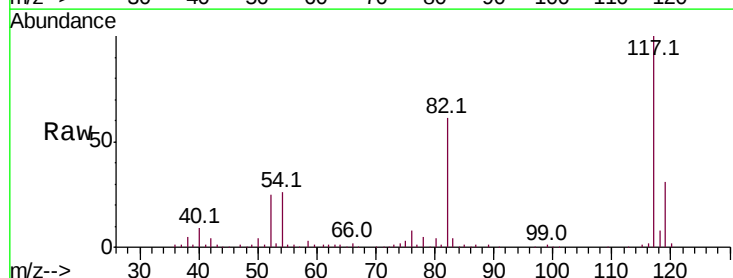
Instrument :
MSVOA_N
ClientSampleId :
PB131813ZHE#15

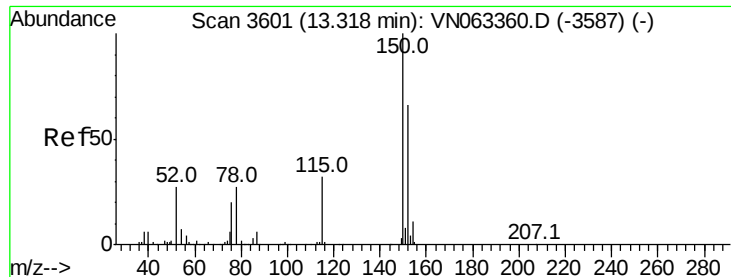
Tot Ion	95	Resp	203348
Ion Ratio	100		
Lower		0.0	140.8
Upper		0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063616.D
Acq: 24 Sep 2020 3:17

Tgt Ion	117	Resp	411581
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		49.2	73.8
Upper		26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

PB131813ZHE#15

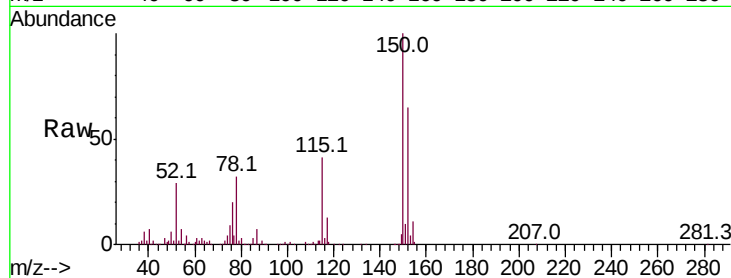
Tot Ion:152 Resp: 172993

Ion Ratio Lower Upper

152 100

115 64.1 32.2 96.6

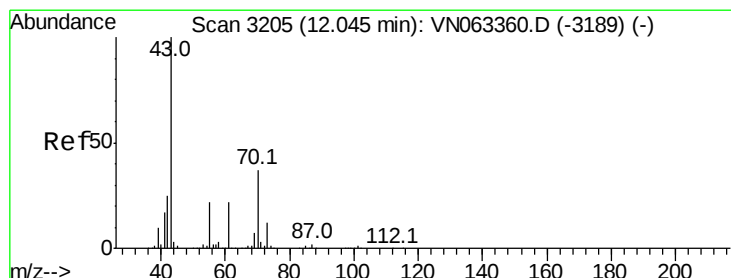
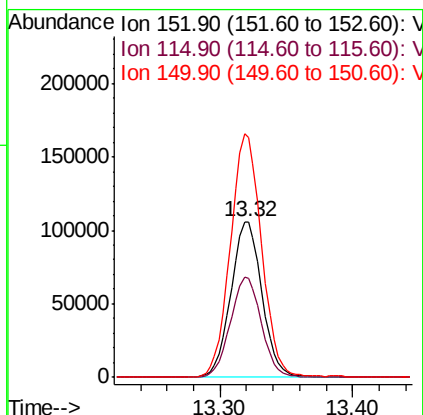
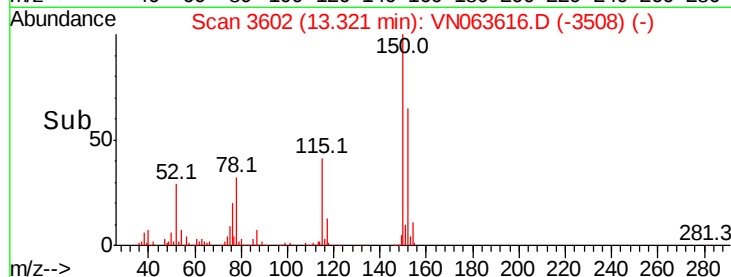
150 156.3 0.0 343.4



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-ethyl acetate

Concen: 0.407 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Tgt Ion: 43 Resp: 2668

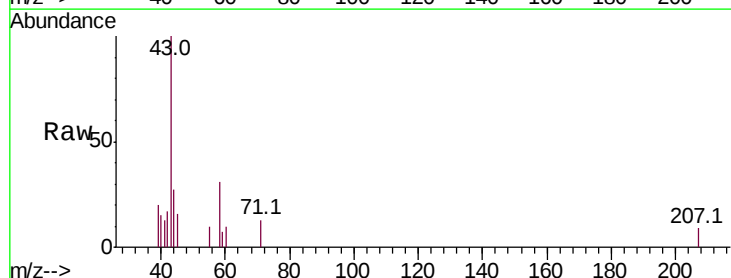
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 17.2 17.7 26.5#

61 0.0 17.4 26.2#

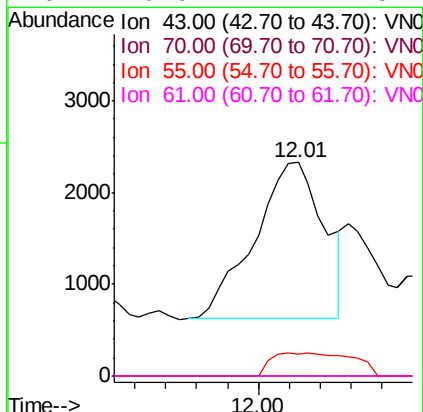
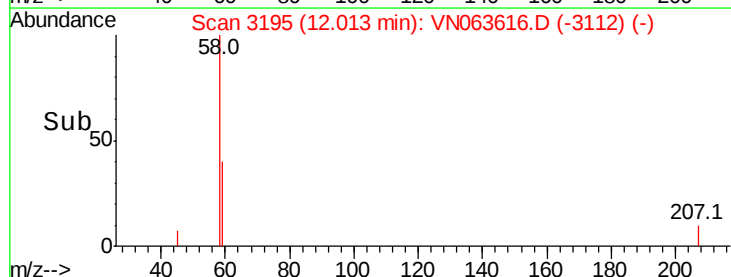


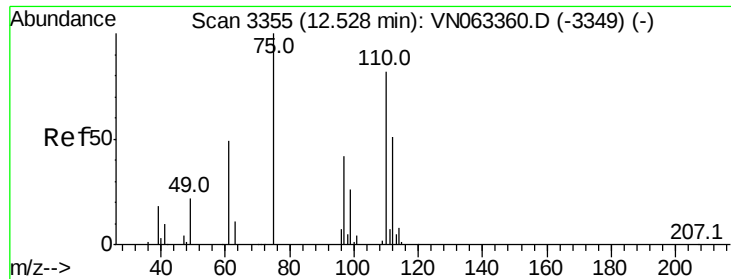
Abundance Ion 43.00 (42.70 to 43.70): V

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

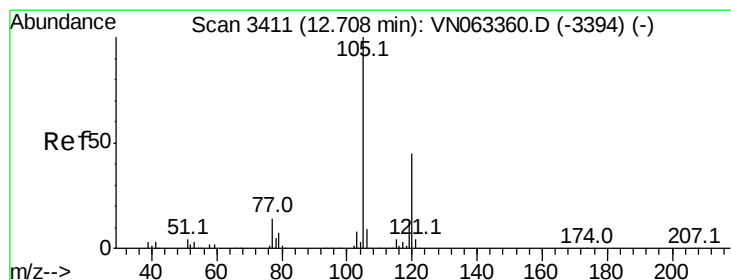
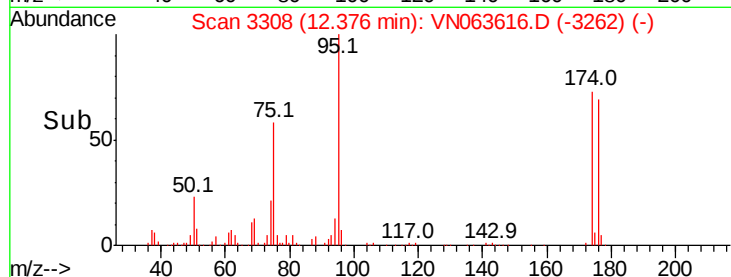
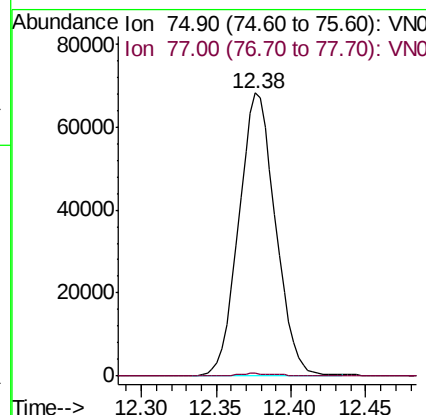
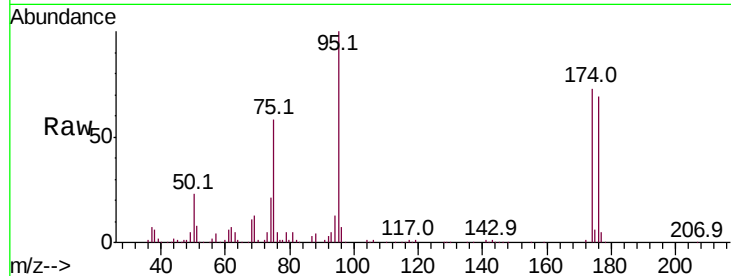




#76
 1,2,3-Trichloropropane
 Concen: 27.204 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063616.D
 Acq: 24 Sep 2020 3:17

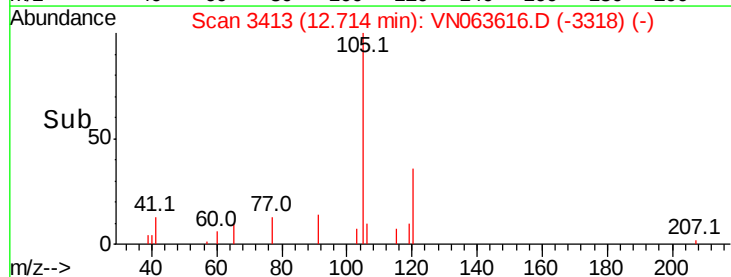
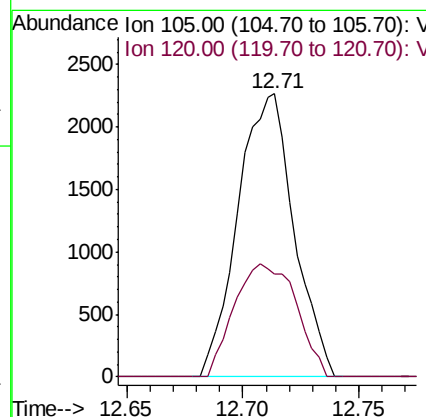
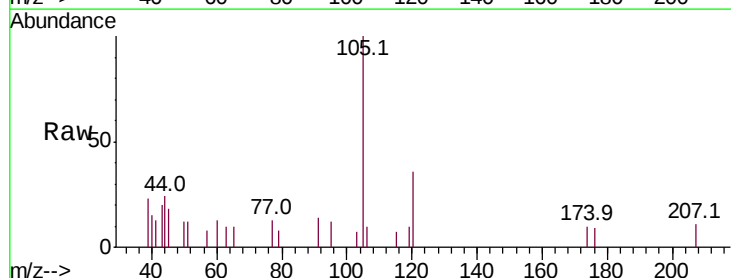
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131813ZHE#15

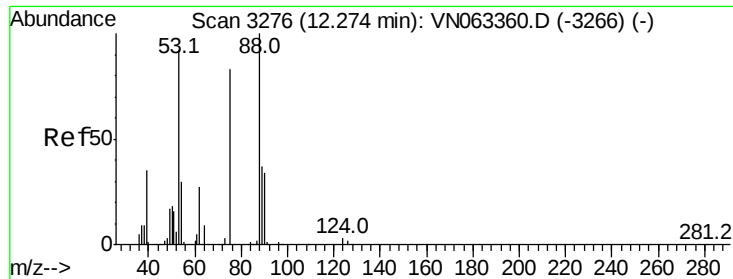
Tot Ion: 75 Resp: 116484
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.330 ug/l
 RT: 12.71 min Scan# 3413
 Delta R.T. 0.01 min
 Lab File: VN063616.D
 Acq: 24 Sep 2020 3:17

Tgt Ion: 105 Resp: 3809
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 74.584 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063616.D

Acq: 24 Sep 2020 3:17

Instrument :

MSVOA_N

ClientSampleId :

PB131813ZHE#15

Tot Ion: 75 Resp: 116484

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

