

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063568.D
 Acq On : 23 Sep 2020 6:28
 Operator : JC/MD
 Sample : PB131772ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#06

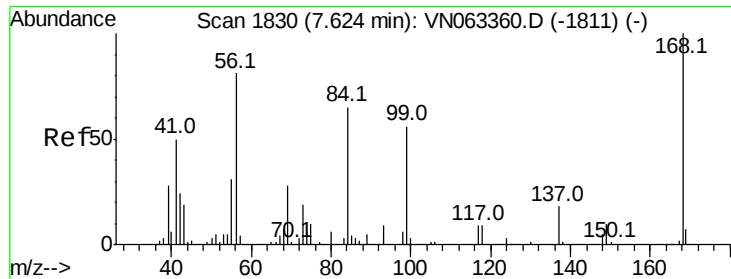
Quant Time: Sep 23 07:24:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	209358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	415714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	167253	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	181638	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	7.55	113	130061	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	
50) Toluene-d8	10.06	98	525386	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	12.38	95	204023	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	353	0.715	ug/l #	72
16) Acetone	3.78	43	34993	30.552	ug/l	97
18) Methyl Acetate	4.29	43	4127	1.419	ug/l	97
20) Methylene Chloride	4.51	84	18911	6.517	ug/l	88
25) 2-Butanone	6.80	43	3338	1.895	ug/l	96
29) Tetrahydrofuran	7.16	42	652	0.542	ug/l #	60
31) Cyclohexane	7.63	56	6466	1.314	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	19898	4.493	ug/l #	52
38) Carbon Tetrachloride	7.62	117	23607	5.222	ug/l #	18
41) Methacrylonitrile	7.19	41	574	0.294	ug/l #	100
43) Isopropyl Acetate	8.13	43	77663	9.992	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1743	0.506	ug/l #	43
48) Methyl methacrylate	9.14	41	5725	1.499	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	9891	2.273	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	31045	5.607	ug/l #	68
56) Ethyl methacrylate	10.51	69	1357	0.288	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5529	1.015	ug/l #	42
59) 2-Hexanone	10.74	43	90396	28.676	ug/l #	55
71) Bromoform	12.38	173	1175	0.489	ug/l #	1
74) N-amyl acetate	12.01	43	3780	0.596	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	116439	28.127	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3941	0.353	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	116439	77.114	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

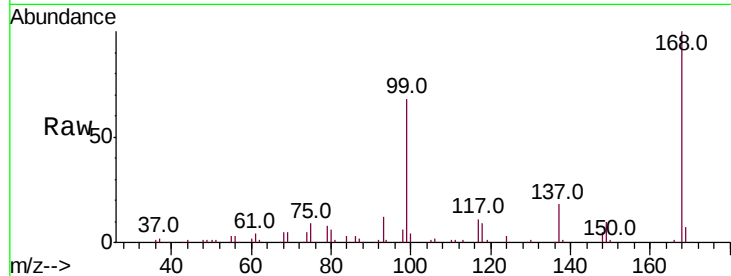
PB131772ZHE#06

Tot Ion:168 Resp: 209358

Ion Ratio Lower Upper

168 100

99 68.2 53.0 79.6

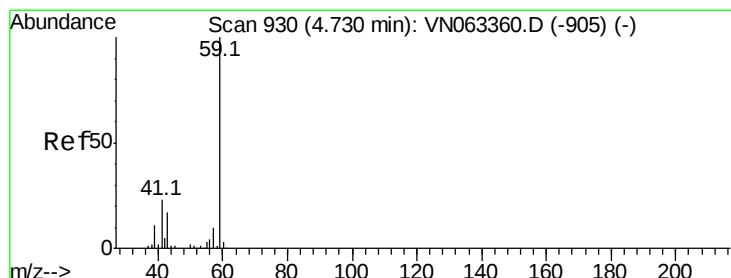
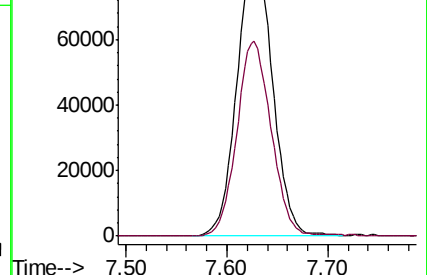
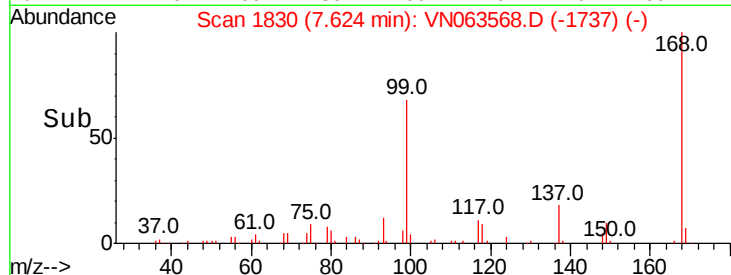


Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.62

Time-->



#11

Tert butyl alcohol

Concen: 0.715 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN063568.D

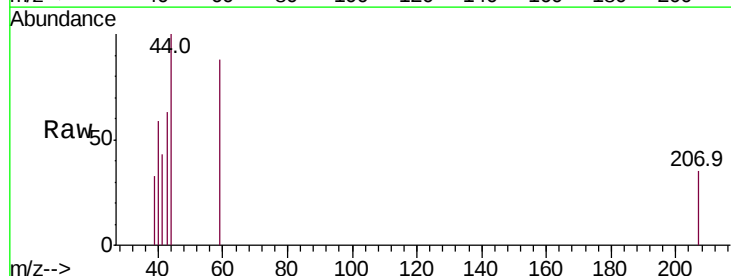
Acq: 23 Sep 2020 6:28

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#

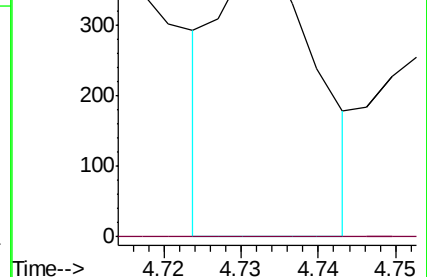
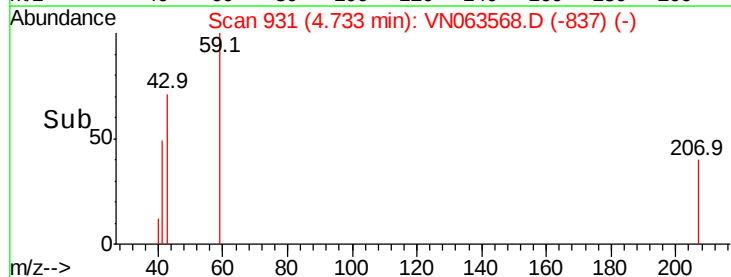


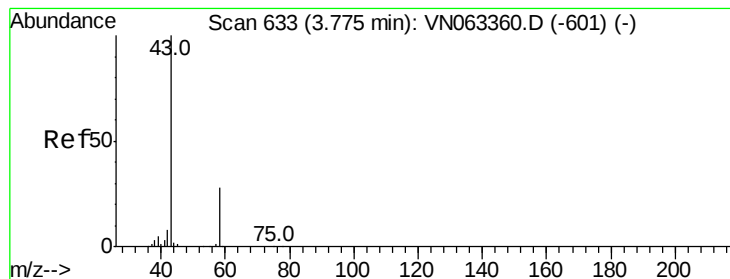
Abundance Ion 59.00 (58.70 to 59.70): VN063360.D (-905) (-)

Ion 57.00 (56.70 to 57.70): VN063360.D (-905) (-)

4.73

Time-->





#16

Acetone

Concen: 30.552 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

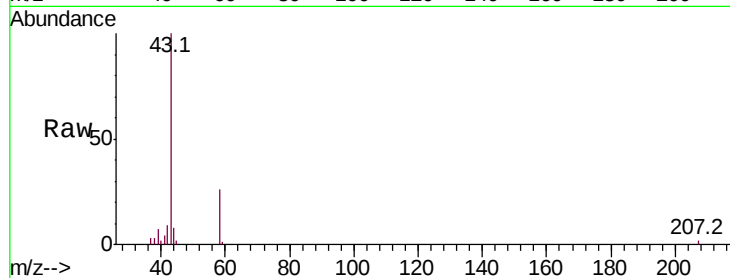
PB131772ZHE#06

Tot Ion: 43 Resp: 34993

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

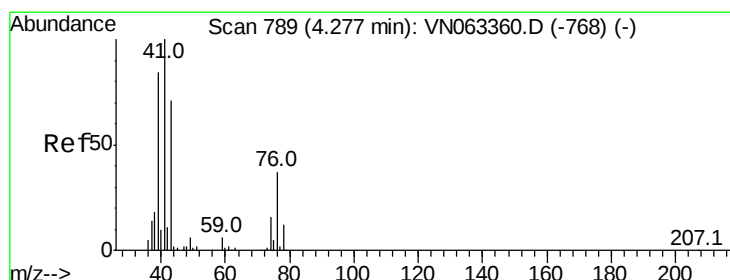
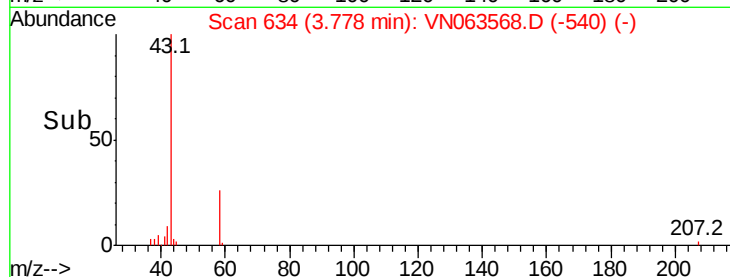
3.78

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 1.419 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN063568.D

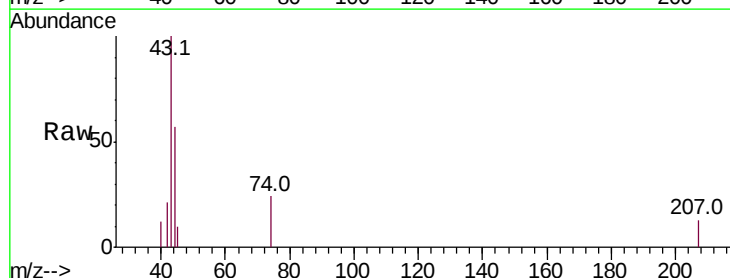
Acq: 23 Sep 2020 6:28

Tgt Ion: 43 Resp: 4127

Ion Ratio Lower Upper

43 100

74 23.2 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1500

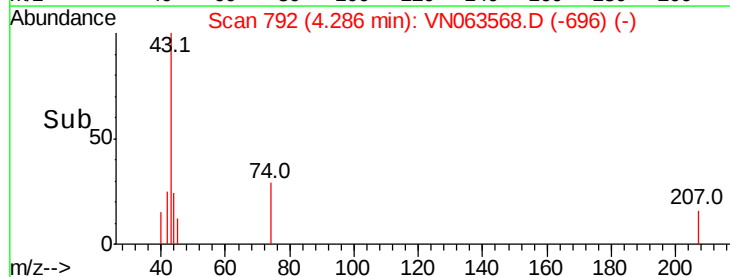
4.29

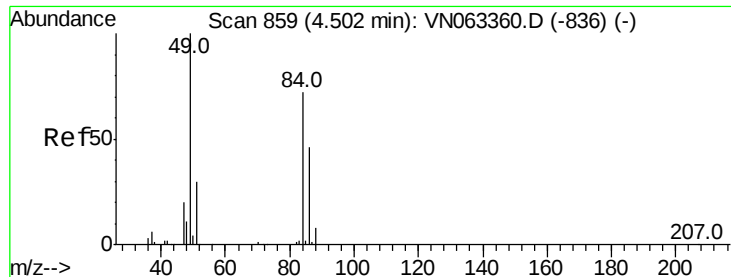
1000

500

0

Time-->

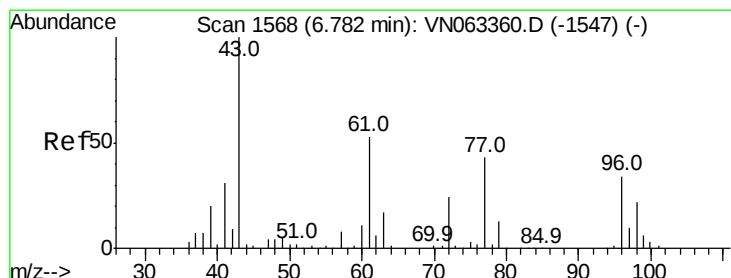
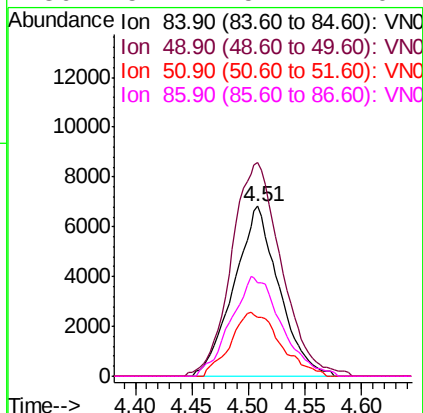
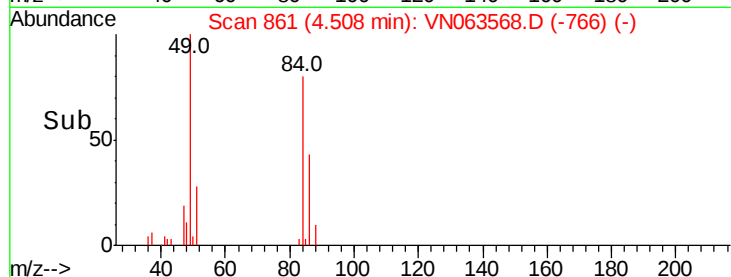
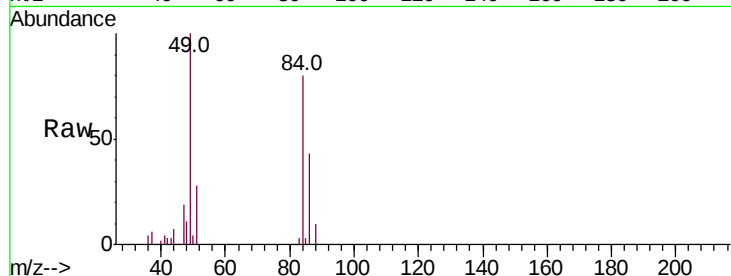




#20
Methvlene Chloride
Concen: 6.517 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

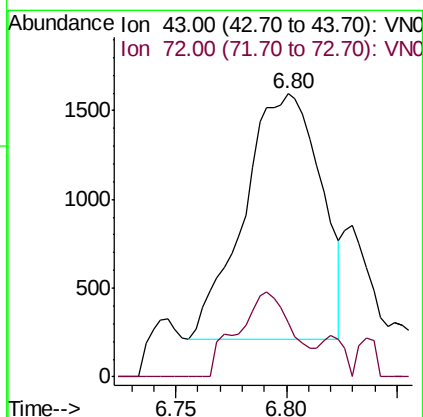
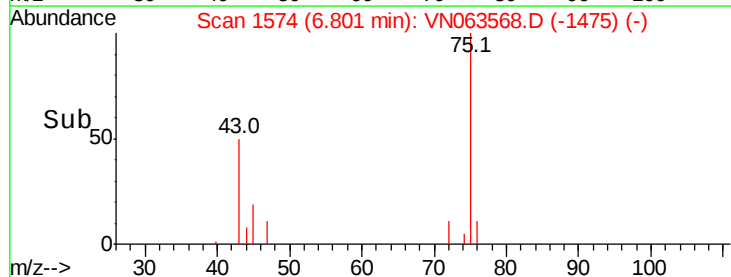
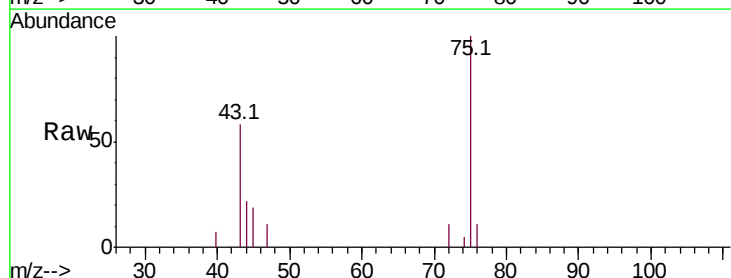
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#06

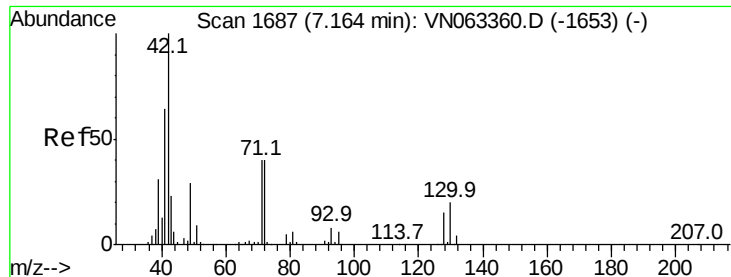
Tot Ion:	84	Resp:	18911
Ion	Ratio	Lower	Upper
84	100		
49	123.5	110.7	166.1
51	34.6	32.9	49.3
86	54.7	51.1	76.7



#25
2-Butanone
Concen: 1.895 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

Tgt Ion:	43	Resp:	3338
Ion	Ratio	Lower	Upper
43	100		
72	22.3	19.2	28.8





#29

Tetrahydrofuran

Concen: 0.542 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

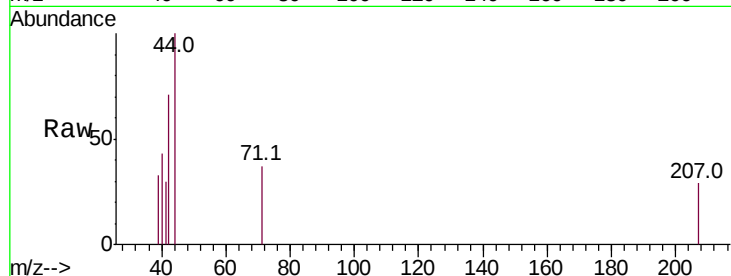
Tot Ion: 42 Resp: 652

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 29.6 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

800

600

400

200

0

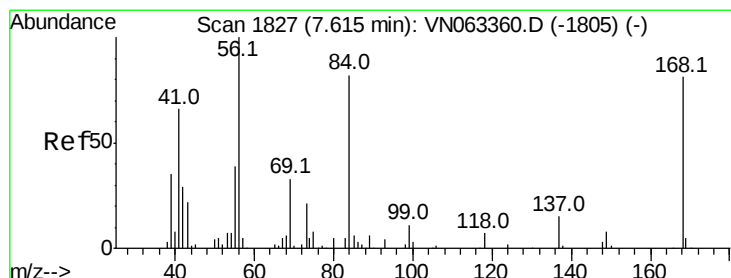
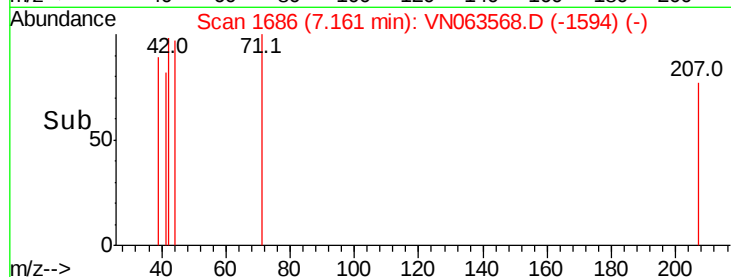
7.12

7.14

7.16

7.18

Time-->



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

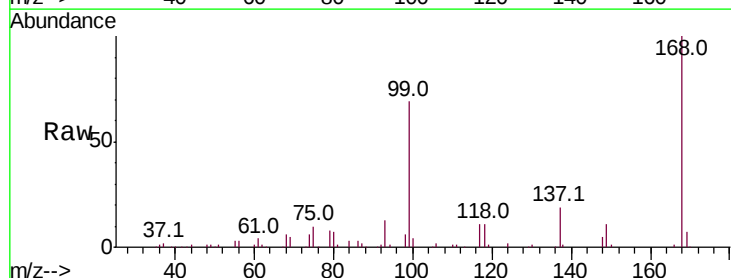
Tgt Ion: 56 Resp: 6466

Ion Ratio Lower Upper

56 100

69 159.9 26.1 39.1#

84 84.0 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

5000

4000

3000

2000

1000

0

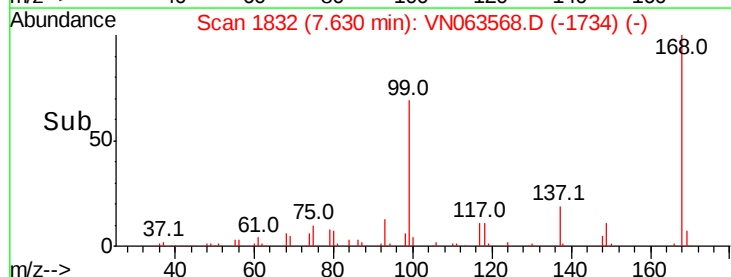
7.55

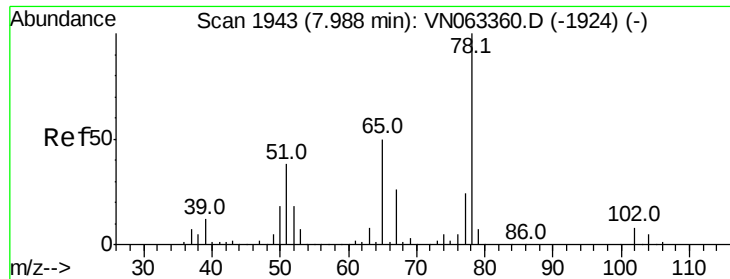
7.60

7.65

7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.967 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

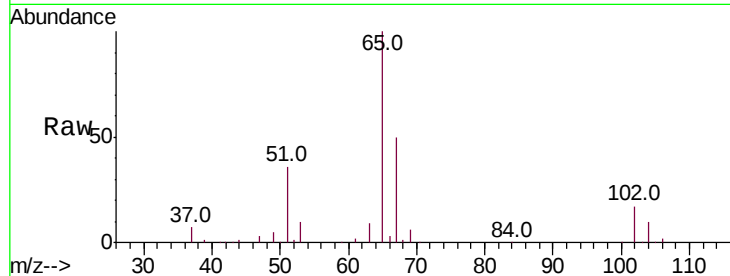
PB131772ZHE#06

Tot Ion: 65 Resp: 181638

Ion Ratio Lower Upper

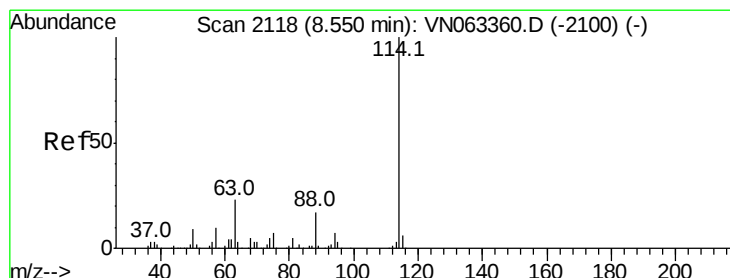
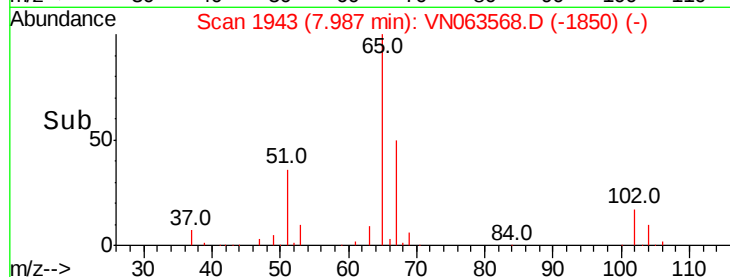
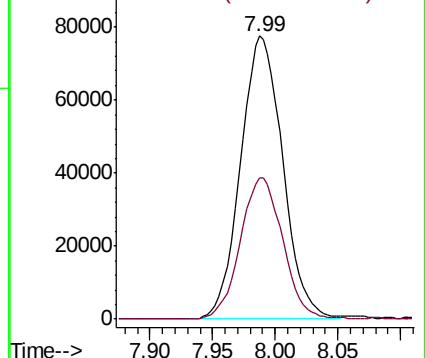
65 100

67 50.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.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: VN063568.D

Acq: 23 Sep 2020 6:28

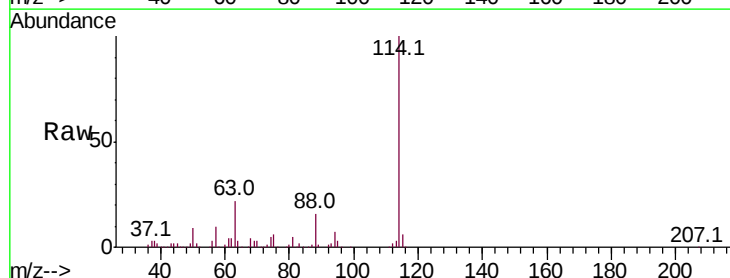
Tgt Ion: 114 Resp: 415714

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

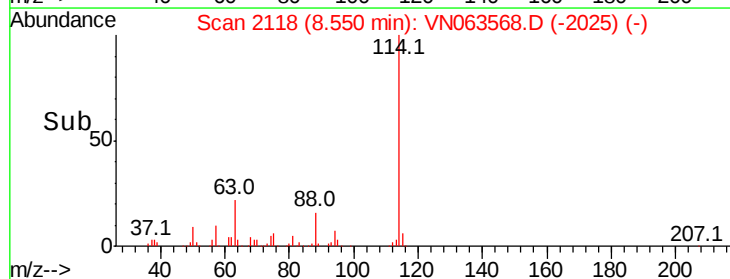
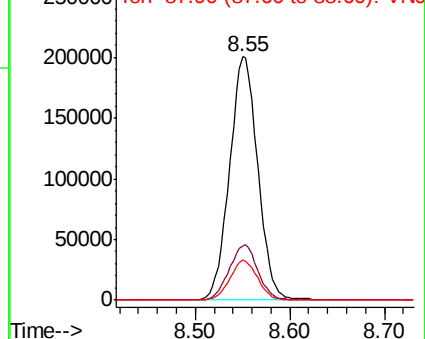
88 16.3 0.0 33.2

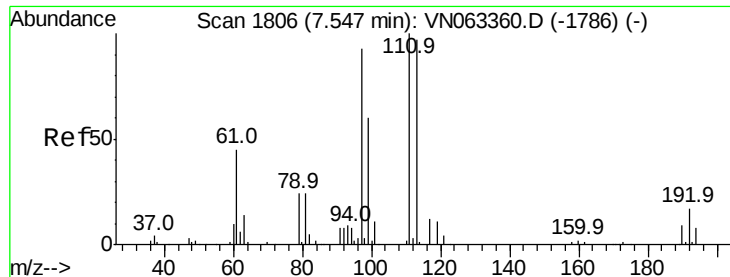


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)





#35

Dibromofluoromethane

Concen: 45.193 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

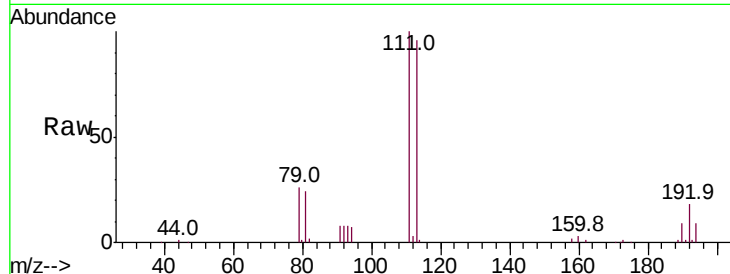
Tot Ion:113 Resp: 130061

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

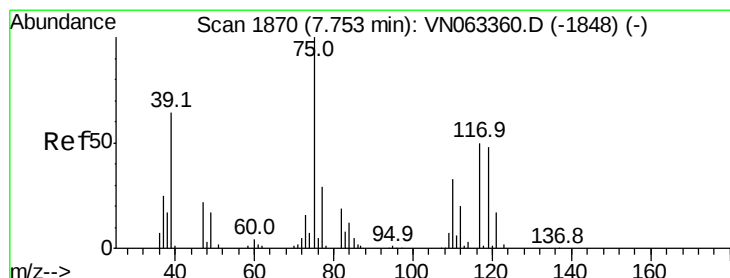
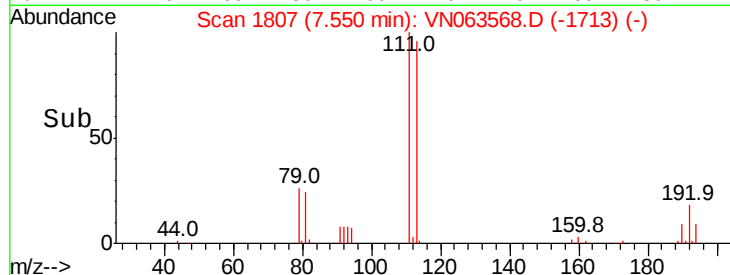
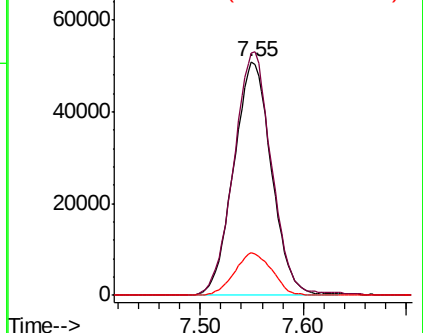
192 18.1 13.9 20.9



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: 4.493 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

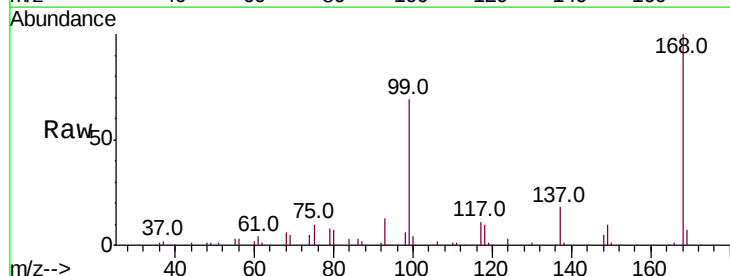
Tgt Ion: 75 Resp: 19898

Ion Ratio Lower Upper

75 100

110 9.9 16.5 49.5#

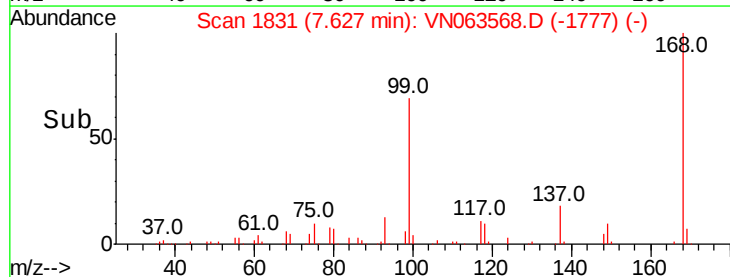
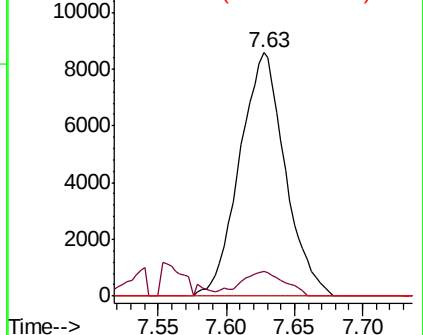
77 0.0 24.6 36.8#

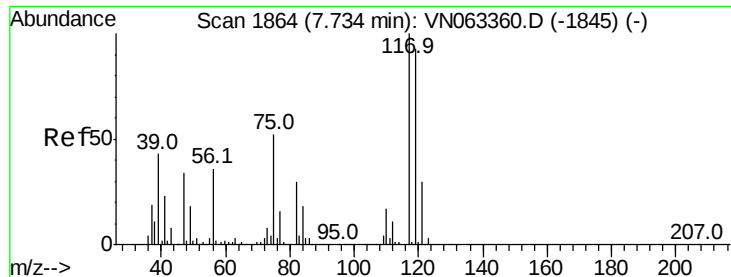


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.222 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

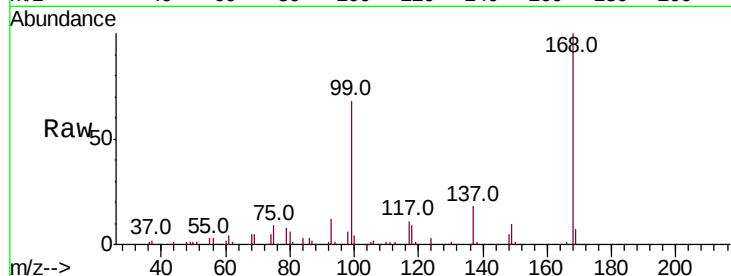
Tot Ion:117 Resp: 23607

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

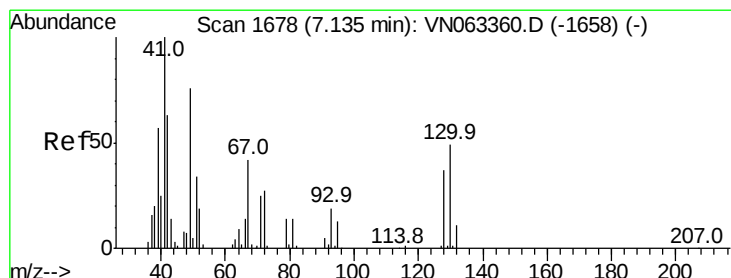
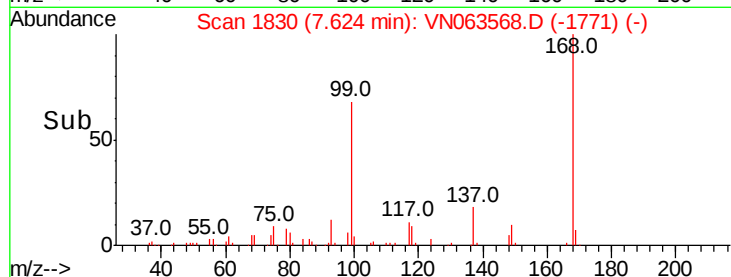
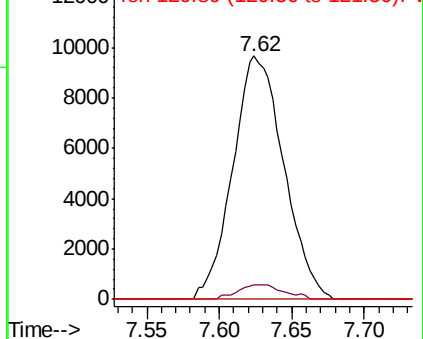
121 0.0 24.1 36.1#



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: 0.294 ug/l

RT: 7.19 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Tgt Ion: 41 Resp: 574

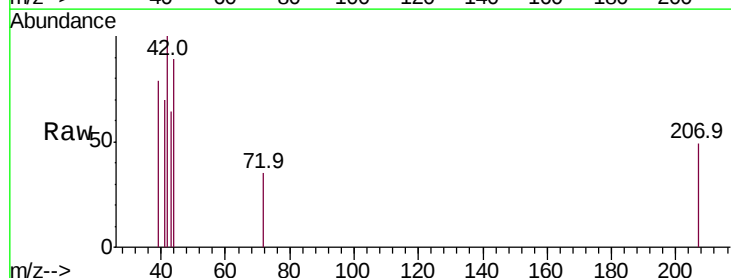
Ion Ratio Lower Upper

41 100

39 146.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

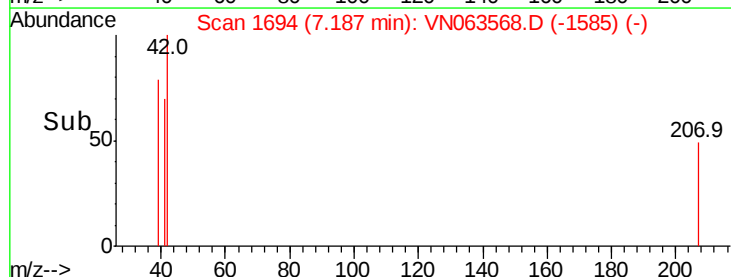
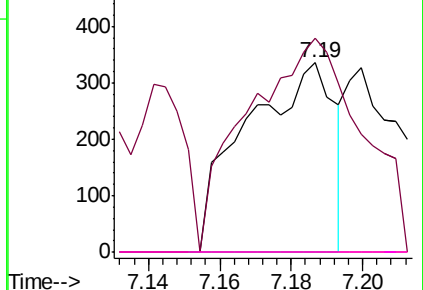


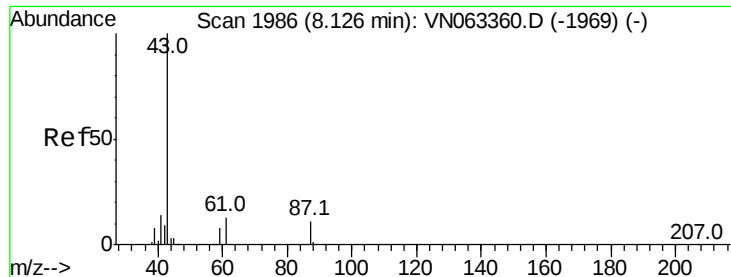
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 9.992 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

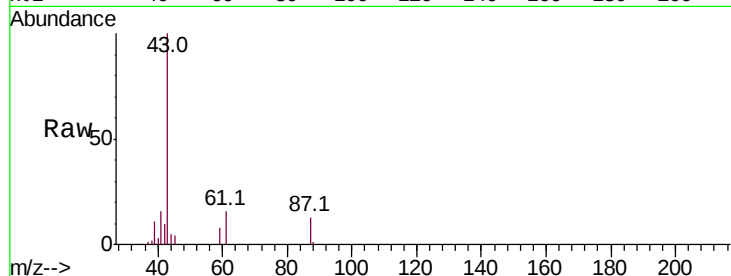
Tot Ion: 43 Resp: 77663

Ion Ratio Lower Upper

43 100

61 17.8 14.2 21.2

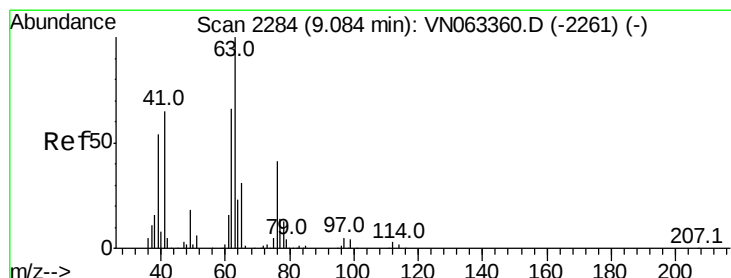
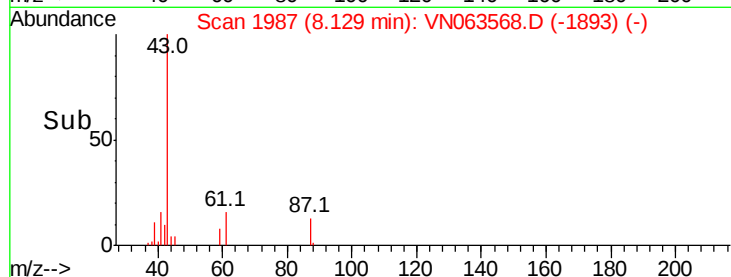
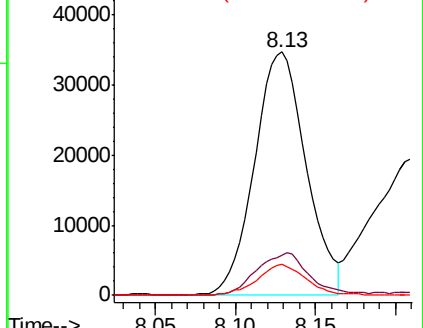
87 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.506 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063568.D

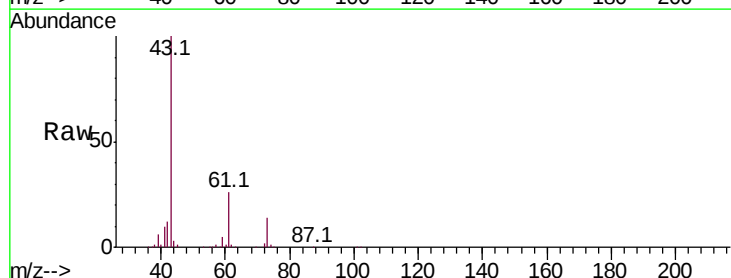
Acq: 23 Sep 2020 6:28

Tgt Ion: 63 Resp: 1743

Ion Ratio Lower Upper

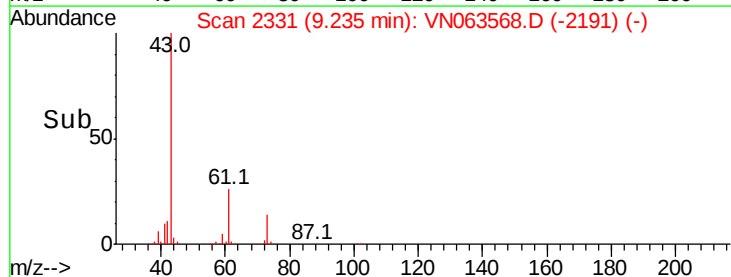
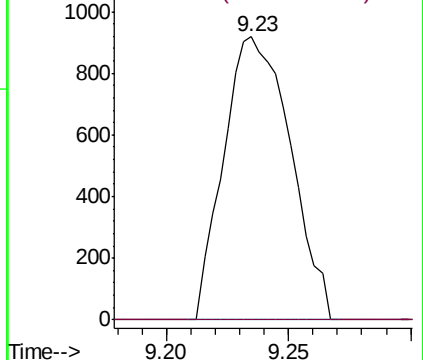
63 100

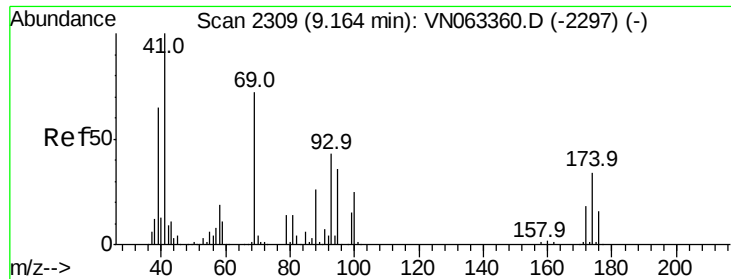
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#48

Methyl methacrylate

Concen: 1.499 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

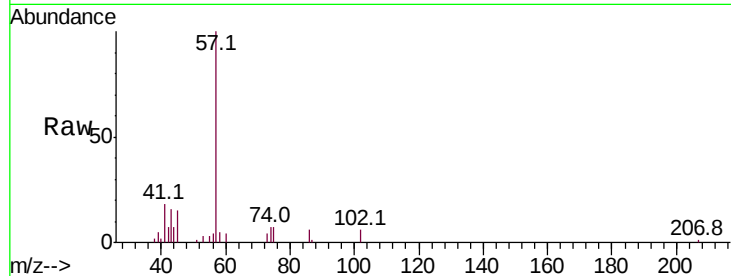
Tot Ion: 41 Resp: 5725

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

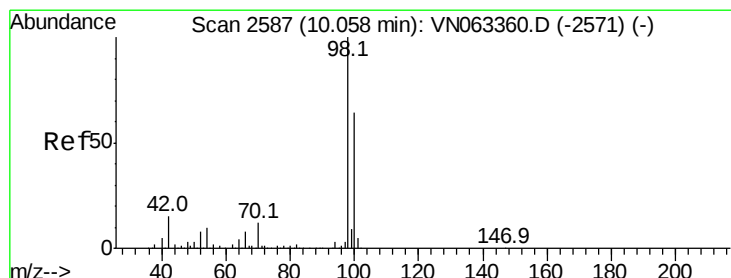
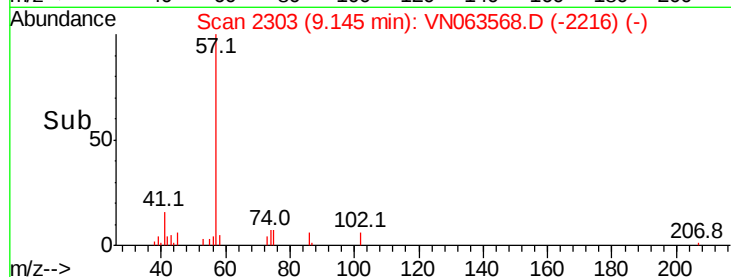
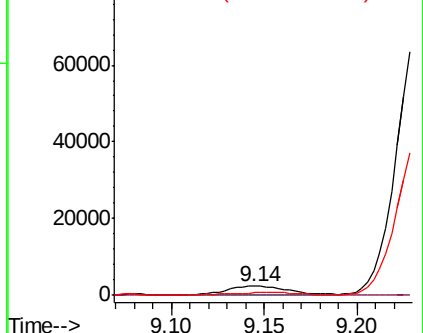
39 0.0 52.9 79.3#



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: 48.550 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063568.D

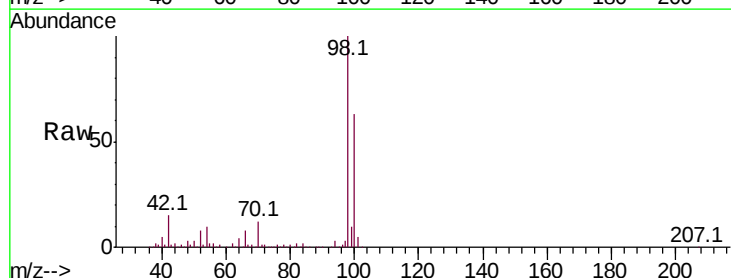
Acq: 23 Sep 2020 6:28

Tgt Ion: 98 Resp: 525386

Ion Ratio Lower Upper

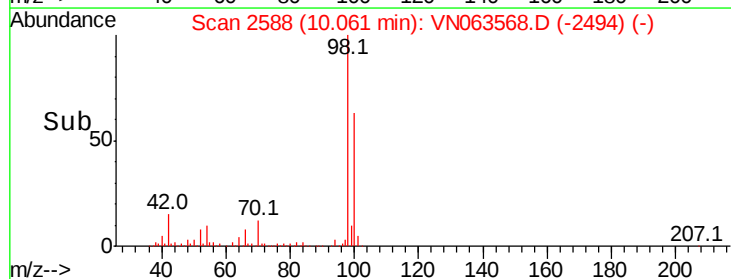
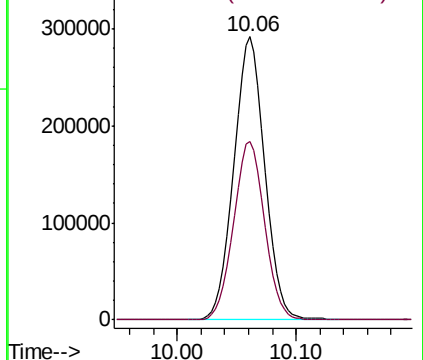
98 100

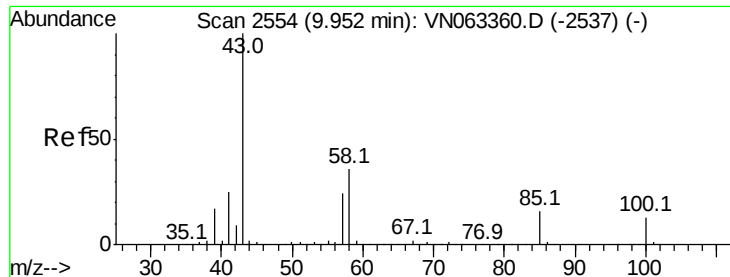
100 63.3 50.7 76.1



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: 2.273 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

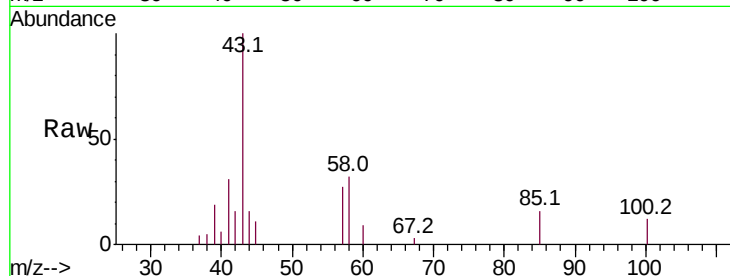
PB131772ZHE#06

Tot Ion: 43 Resp: 9891

Ion Ratio Lower Upper

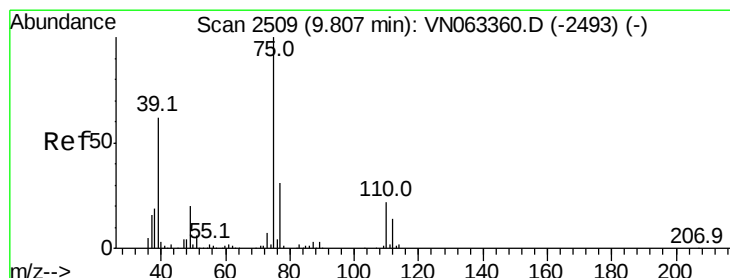
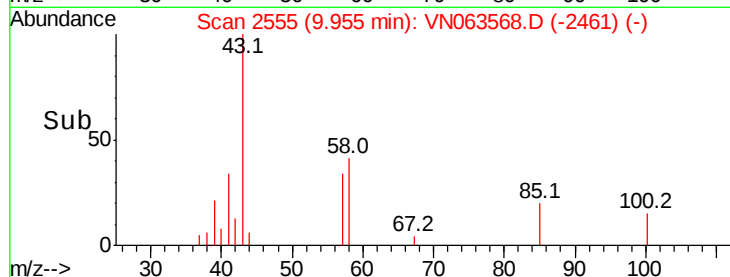
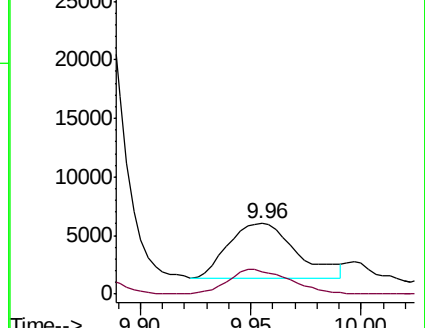
43 100

58 41.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.607 ug/l

RT: 9.88 min Scan# 2531

Delta R.T. 0.07 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

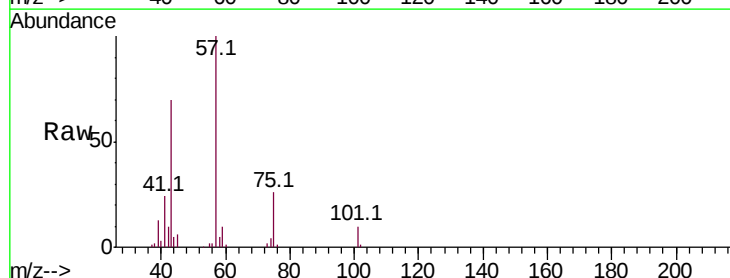
Tgt Ion: 75 Resp: 31045

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

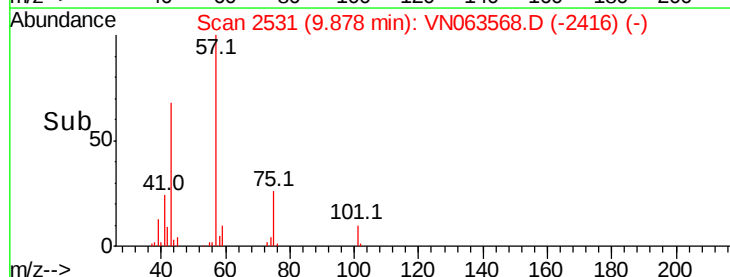
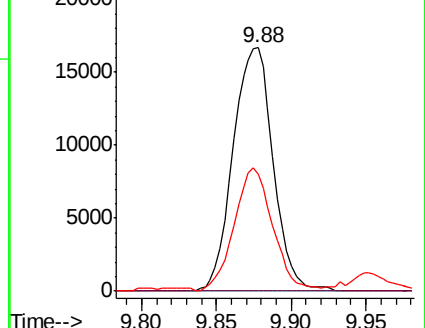
39 47.1 49.8 74.8#

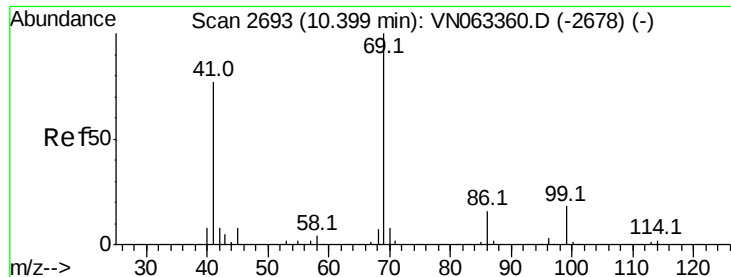


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 0.288 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

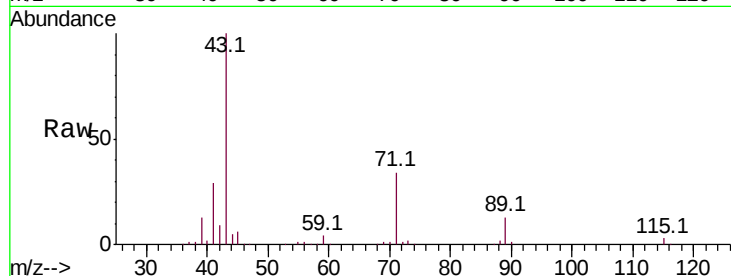
Tot Ion: 69 Resp: 1357

Ion Ratio Lower Upper

69 100

41 6113.3 61.0 91.6#

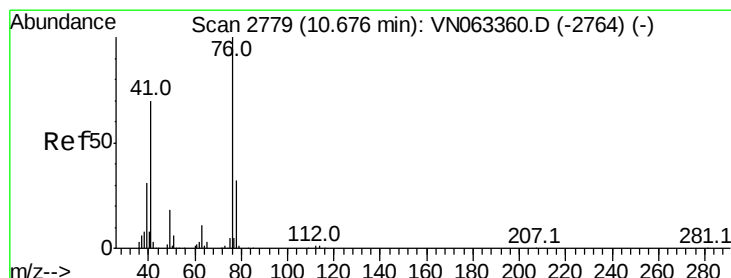
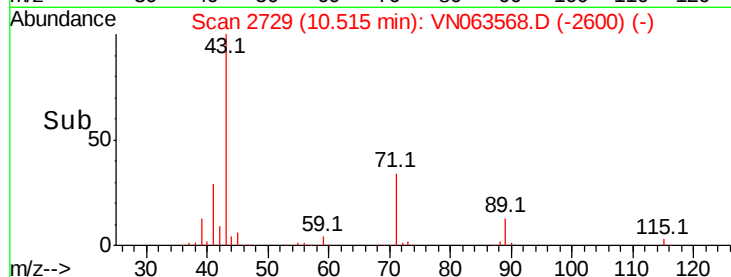
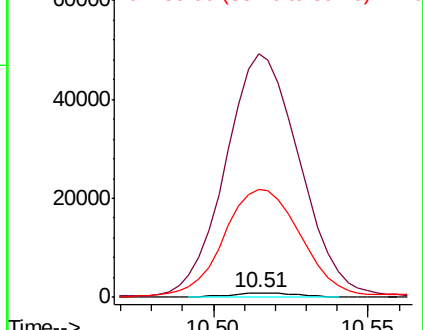
39 2813.1 39.2 58.8#



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: 1.015 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN063568.D

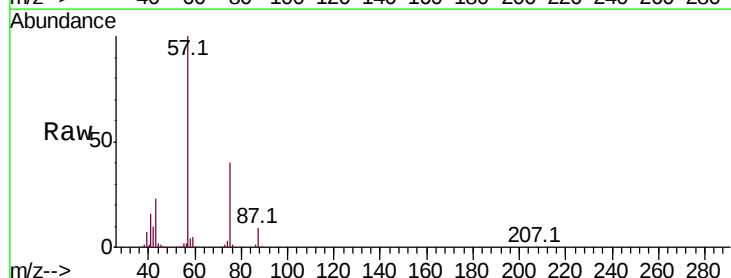
Acq: 23 Sep 2020 6:28

Tgt Ion: 76 Resp: 5529

Ion Ratio Lower Upper

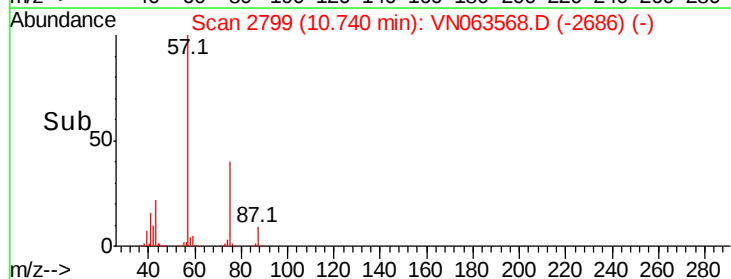
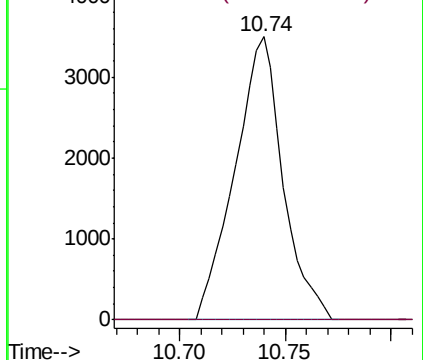
76 100

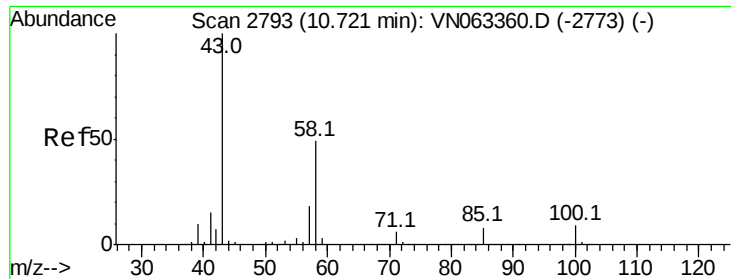
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

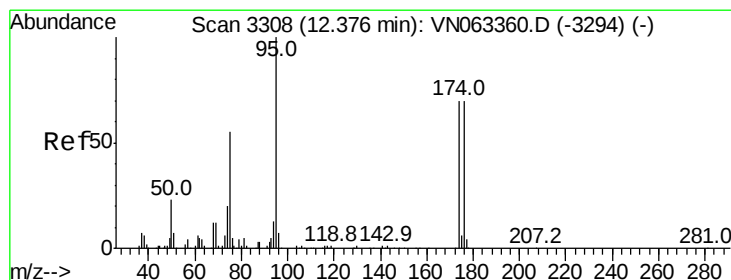
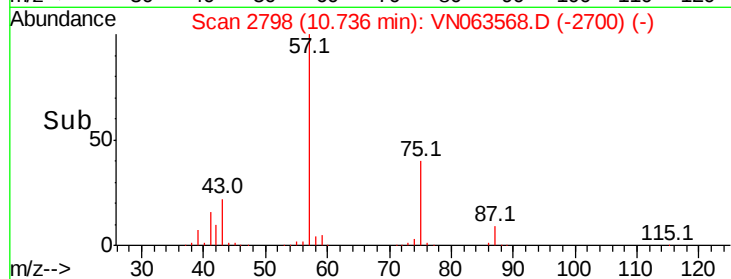
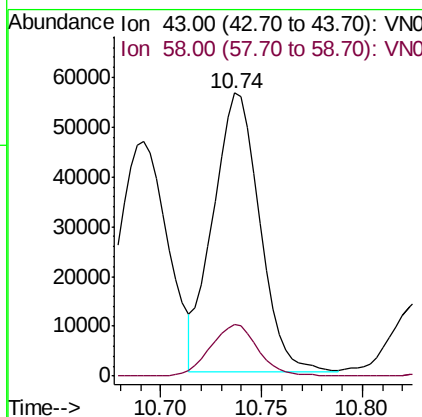
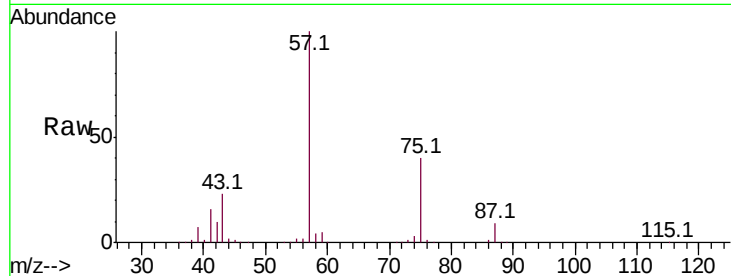




#59
2-Hexanone
Concen: 28.676 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

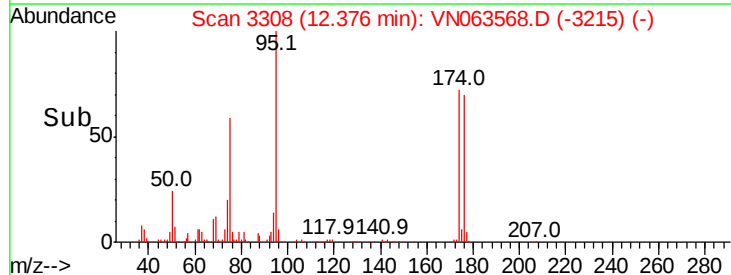
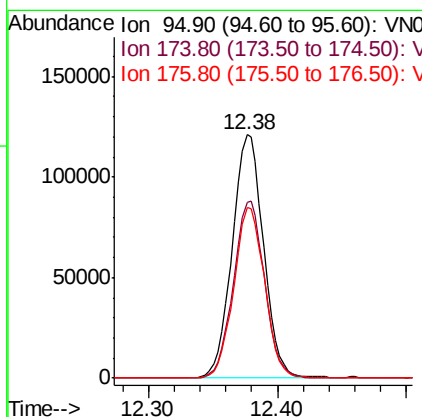
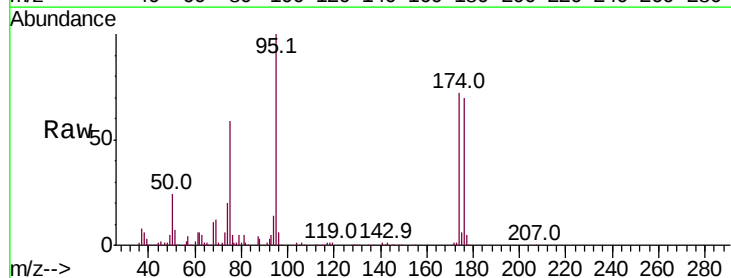
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#06

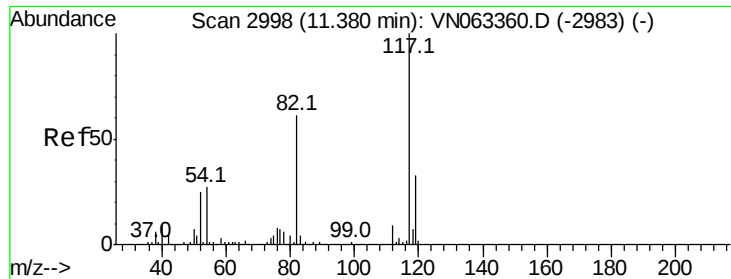
Tot Ion: 43 Resp: 90396
Ion Ratio Lower Upper
43 100
58 18.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 51.431 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

Tgt Ion: 95 Resp: 204023
Ion Ratio Lower Upper
95 100
174 72.8 0.0 140.8
176 69.2 0.0 137.6

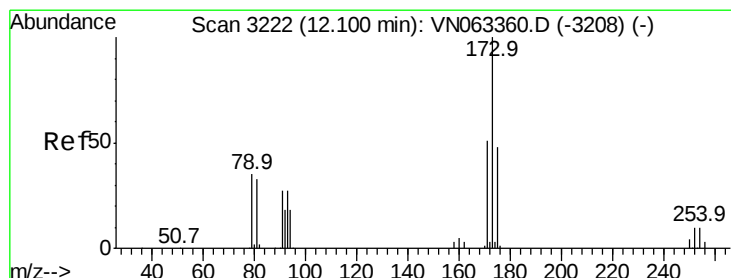
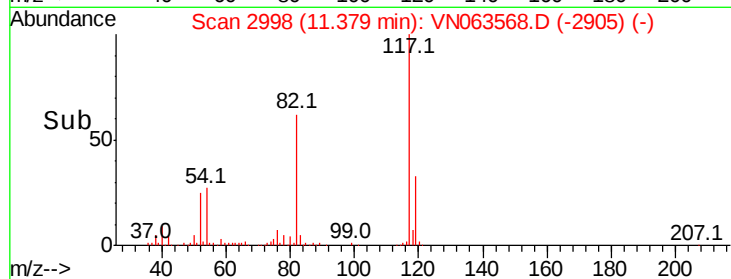
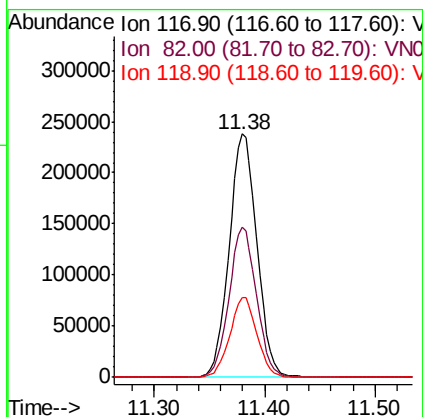
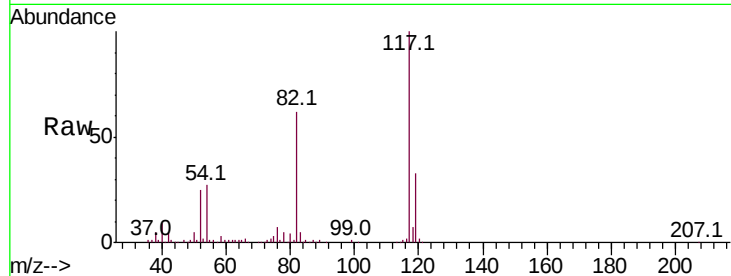




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

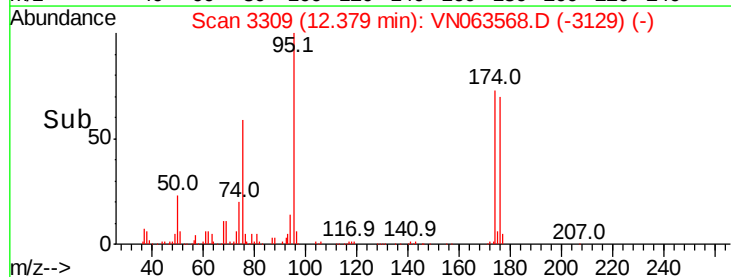
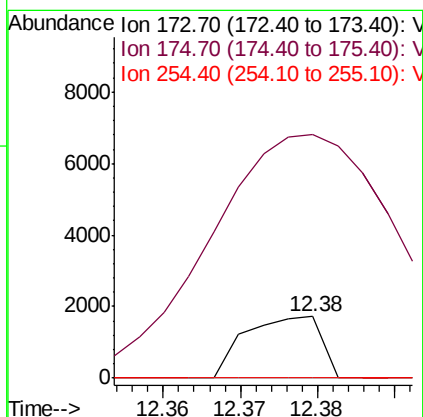
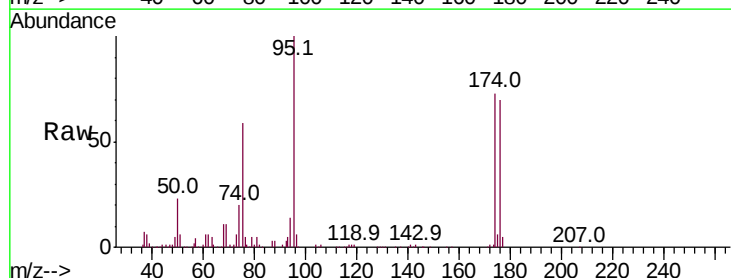
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#06

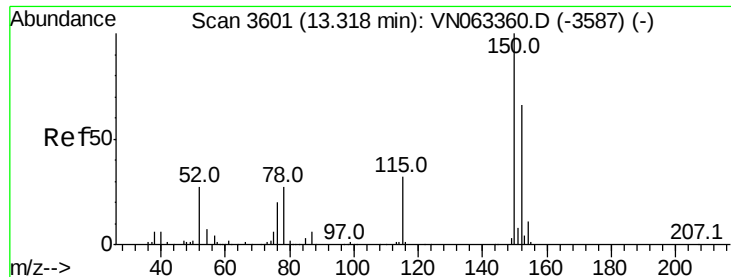
Tot Ion:117 Resp: 414639
Ion Ratio Lower Upper
117 100
82 61.7 49.2 73.8
119 32.6 26.2 39.4



#71
Bromoform
Concen: 0.489 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063568.D
Acq: 23 Sep 2020 6:28

Tgt Ion:173 Resp: 1175
Ion Ratio Lower Upper
173 100
175 791.3 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

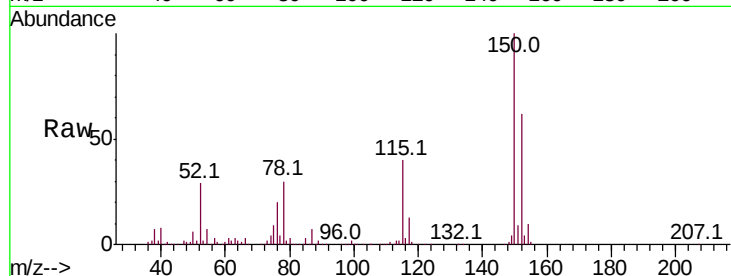
Tot Ion:152 Resp: 167253

Ion Ratio Lower Upper

152 100

115 64.2 32.2 96.6

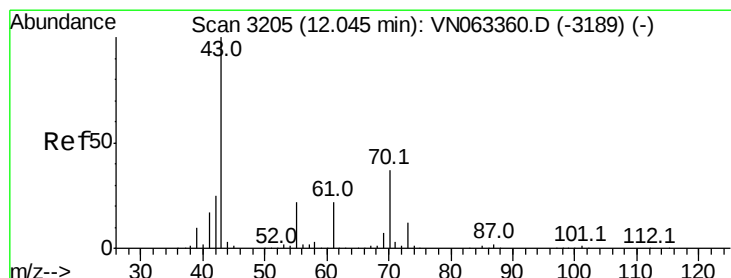
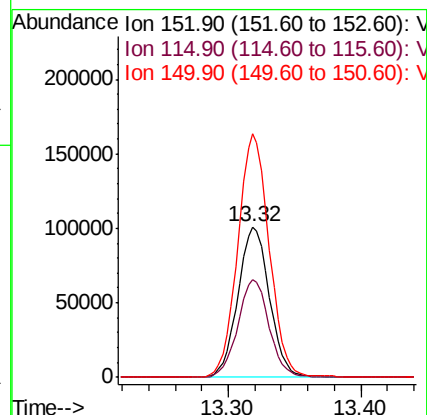
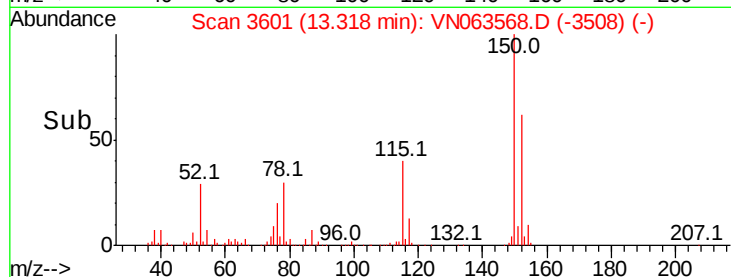
150 160.6 0.0 343.4



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: 0.596 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Tgt Ion: 43 Resp: 3780

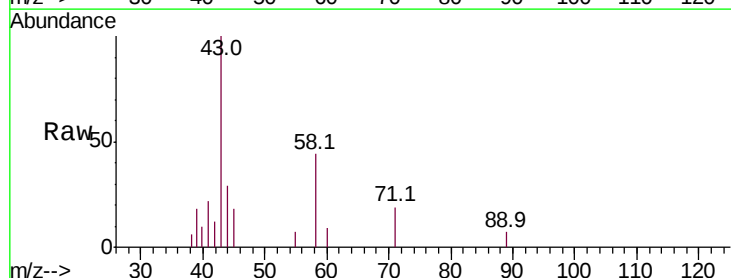
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 6.0 17.7 26.5#

61 0.0 17.4 26.2#

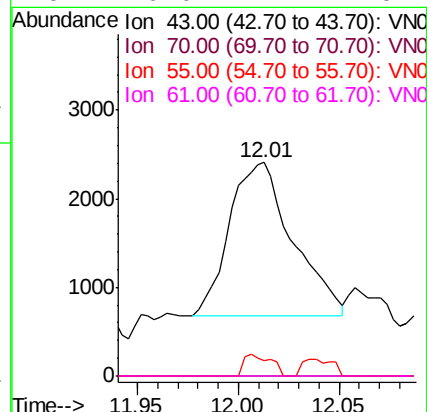
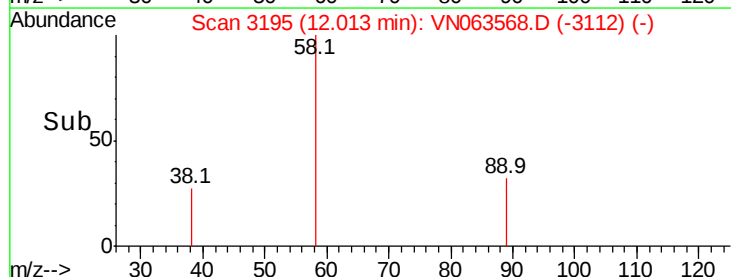


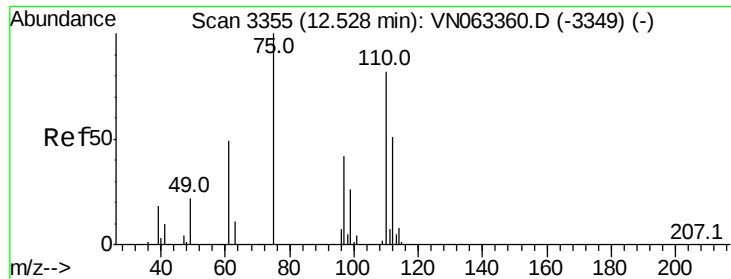
Abundance Ion 43.00 (42.70 to 43.70): V

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

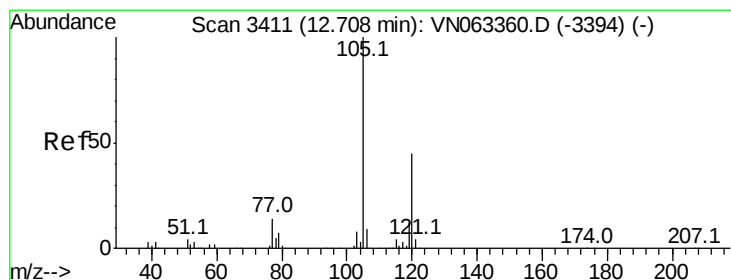
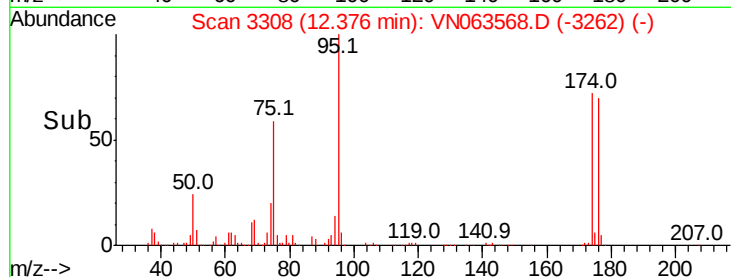
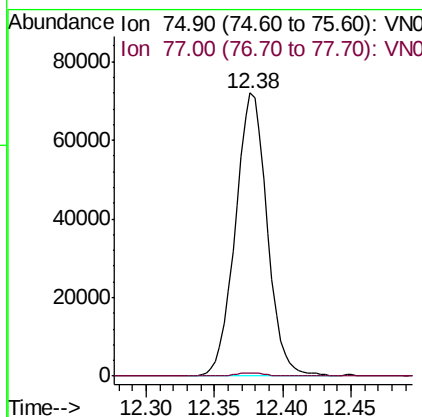
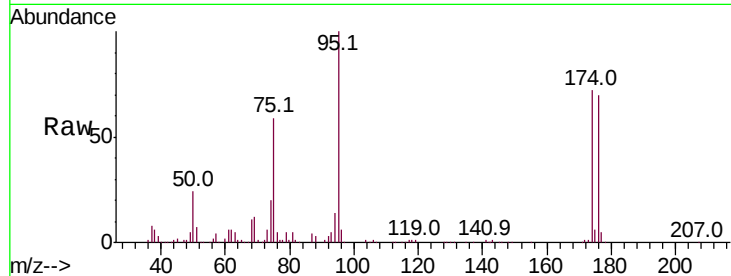




#76
 1,2,3-Trichloropropane
 Concen: 28.127 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063568.D
 Acq: 23 Sep 2020 6:28

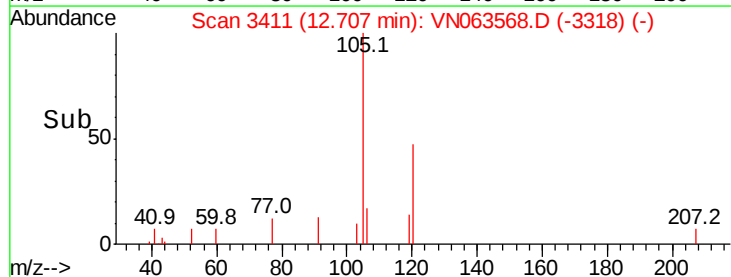
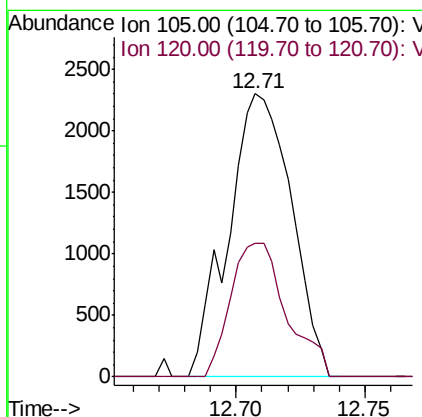
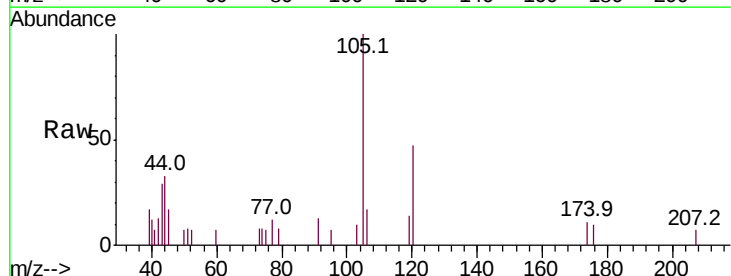
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#06

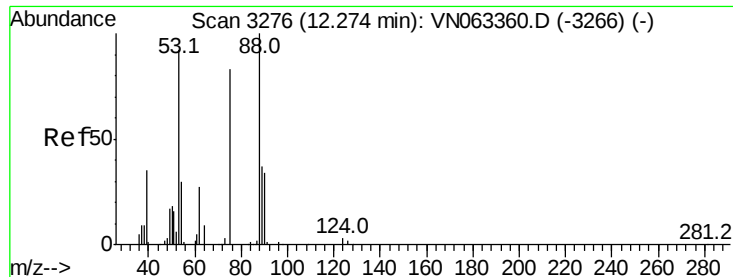
Tot Ion: 75 Resp: 116439
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.353 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063568.D
 Acq: 23 Sep 2020 6:28

Tgt Ion: 105 Resp: 3941
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 77.114 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063568.D

Acq: 23 Sep 2020 6:28

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#06

Tot Ion: 75 Resp: 116439

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

