

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063563.D
 Acq On : 23 Sep 2020 4:27
 Operator : JC/MD
 Sample : PB131772ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131772ZHE#01

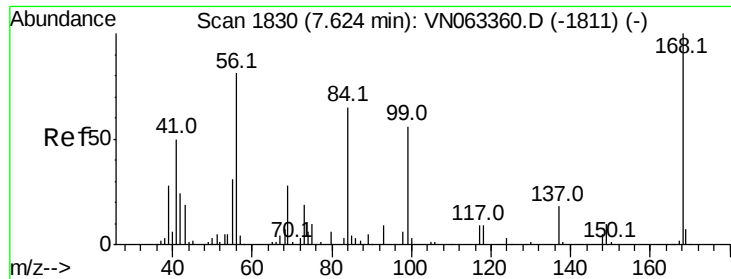
Quant Time: Sep 23 05:52:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	439081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190559	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	188633	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.55	113	138863	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	10.06	98	549707	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.38	95	219968	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.71	59	584	1.129	ug/l #	72
16) Acetone	3.78	43	32816	27.342	ug/l	97
18) Methyl Acetate	4.28	43	1010	0.331	ug/l #	62
20) Methylene Chloride	4.51	84	19565	6.434	ug/l	86
25) 2-Butanone	6.80	43	4847	2.626	ug/l #	88
29) Tetrahydrofuran	7.18	42	941	0.746	ug/l #	38
31) Cyclohexane	7.62	56	6705	1.300	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	20828	4.625	ug/l #	47
37) Ethyl Acetate	6.80	43	4847	1.097	ug/l #	70
38) Carbon Tetrachloride	7.63	117	24056	5.233	ug/l #	18
43) Isopropyl Acetate	8.13	43	80339	10.165	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1807	0.516	ug/l #	43
48) Methyl methacrylate	9.15	41	5880	1.514	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	10157	2.296	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	30999	5.506	ug/l #	65
56) Ethyl methacrylate	10.51	69	1408	0.294	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6049	1.093	ug/l #	42
59) 2-Hexanone	10.74	43	91934	28.681	ug/l #	56
74) N-amyl acetate	12.01	43	2799	0.387	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	126946	26.915	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3945	0.310	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	126946	73.790	ug/l #	7

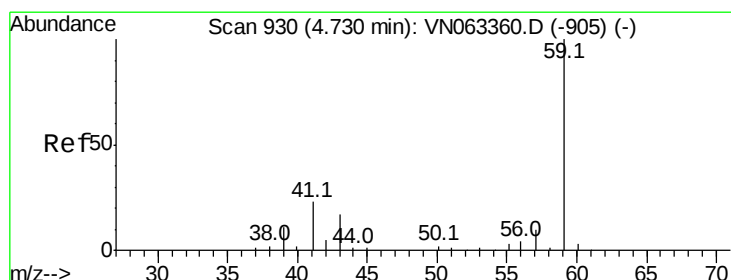
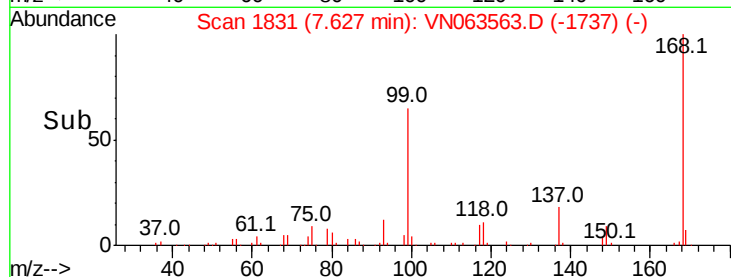
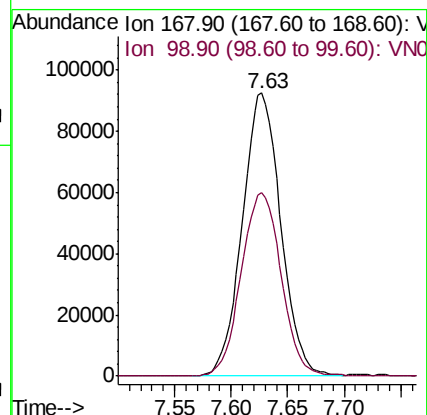
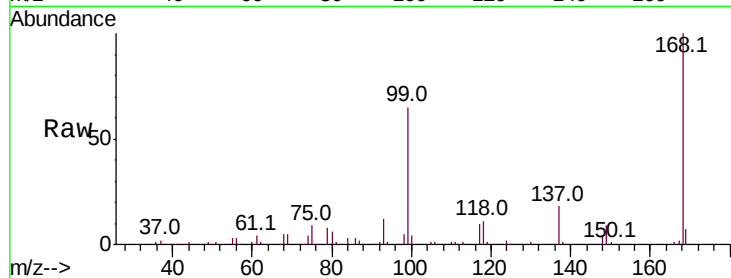
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

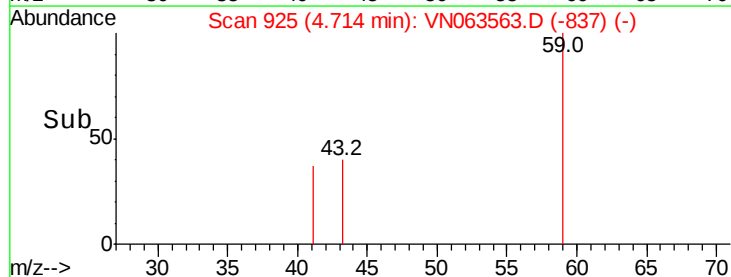
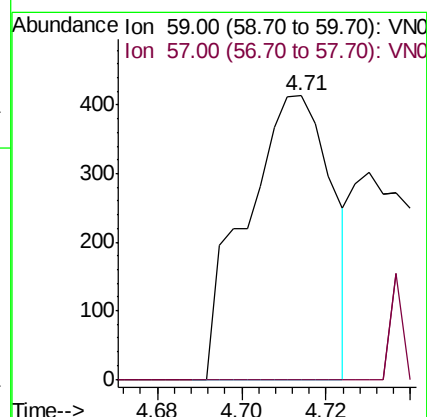
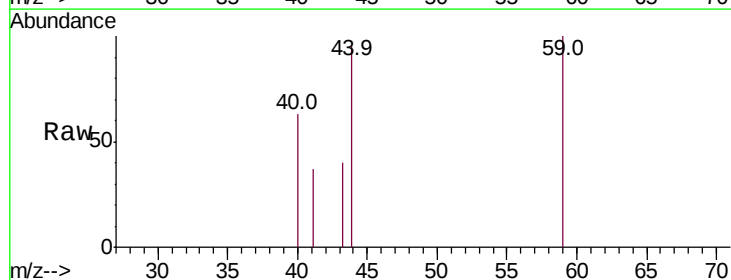
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#01

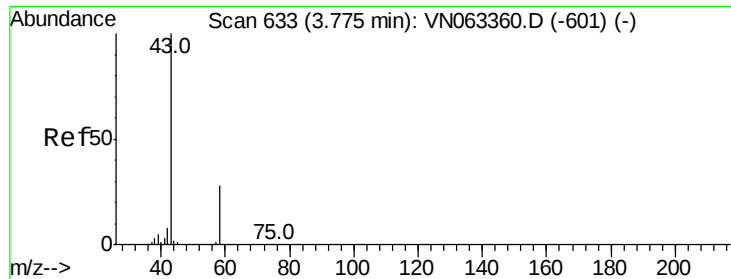
Tot Ion:168 Resp: 219384
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#11
Tert butyl alcohol
Concen: 1.129 ug/l
RT: 4.71 min Scan# 925
Delta R.T. -0.02 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

Tgt Ion: 59 Resp: 584
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#16

Acetone

Concen: 27.342 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

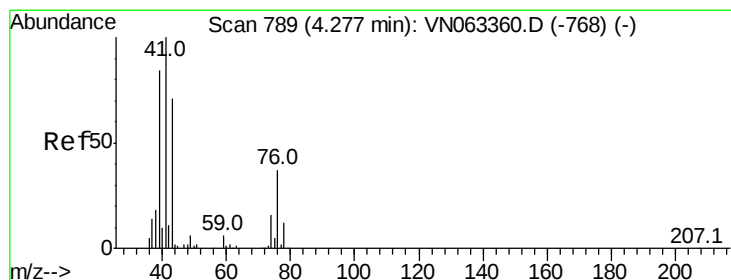
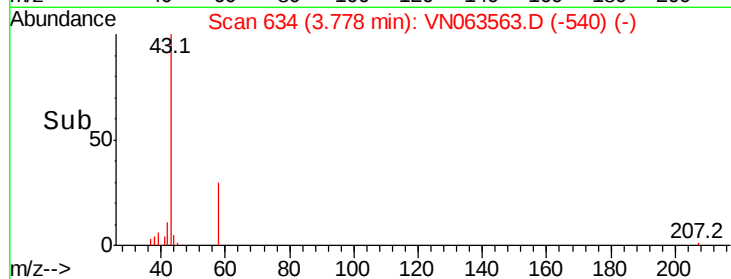
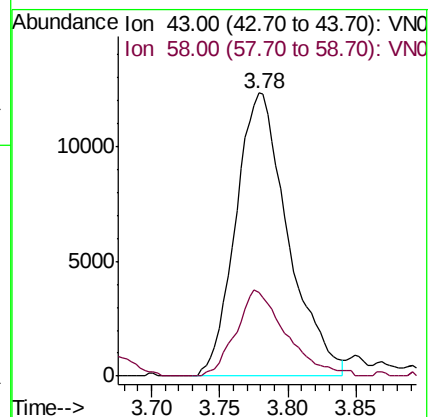
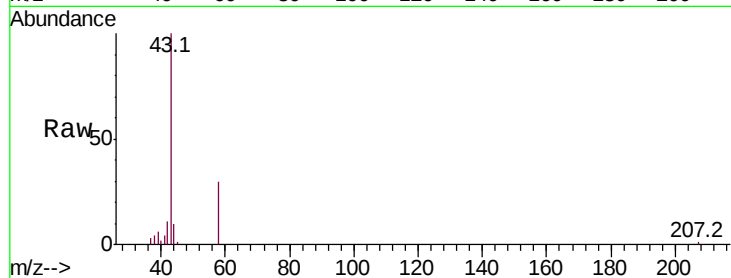
PB131772ZHE#01

Tot Ion: 43 Resp: 32816

Ion Ratio Lower Upper

43 100

58 29.7 22.3 33.5



#18

Methyl Acetate

Concen: 0.331 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063563.D

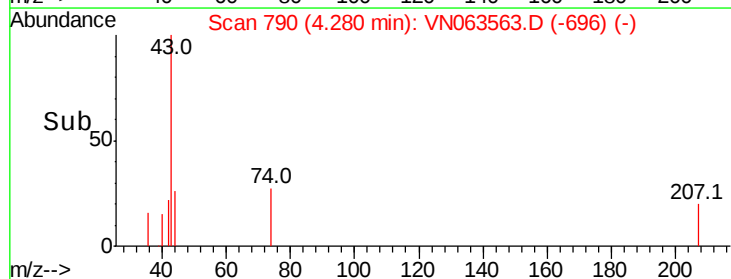
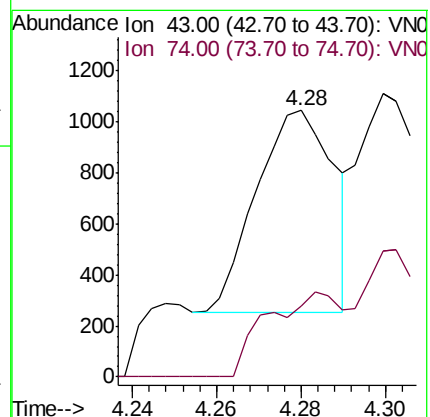
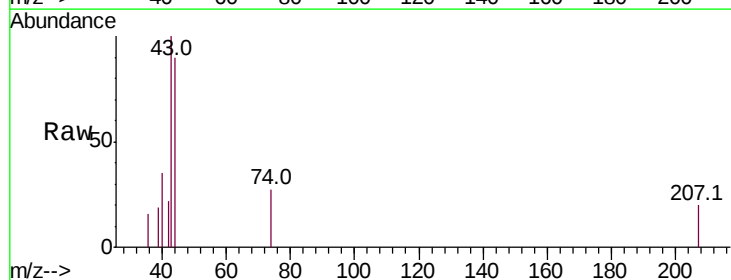
Acq: 23 Sep 2020 4:27

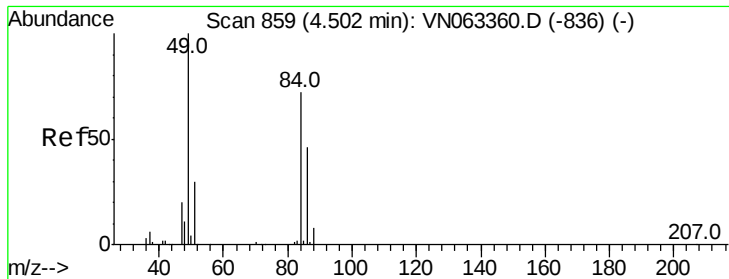
Tgt Ion: 43 Resp: 1010

Ion Ratio Lower Upper

43 100

74 39.9 17.4 26.2#

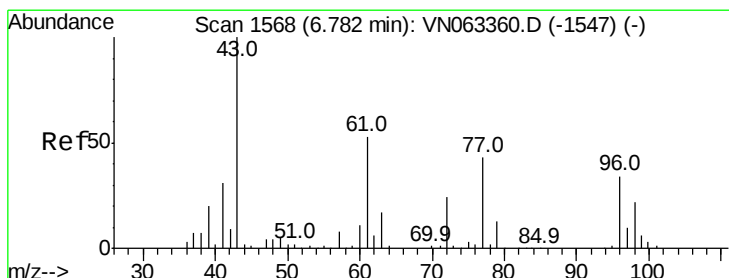
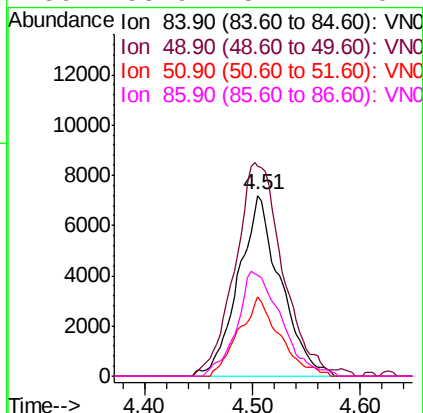
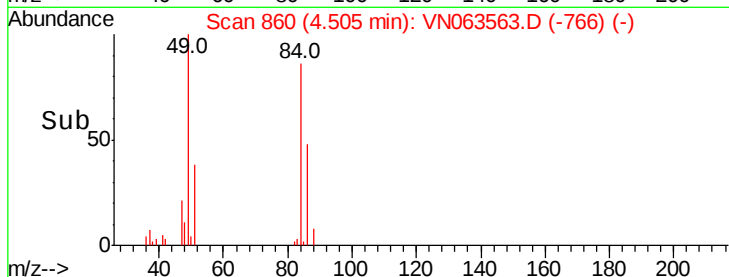
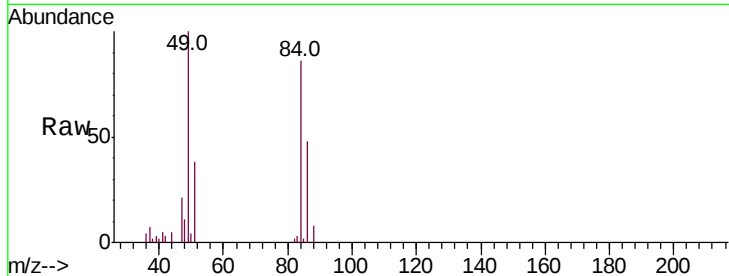




#20
Methvlene Chloride
Concen: 6.434 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

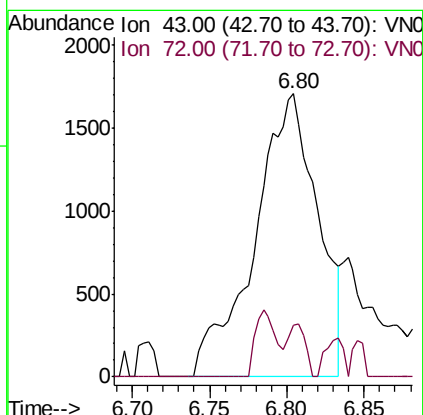
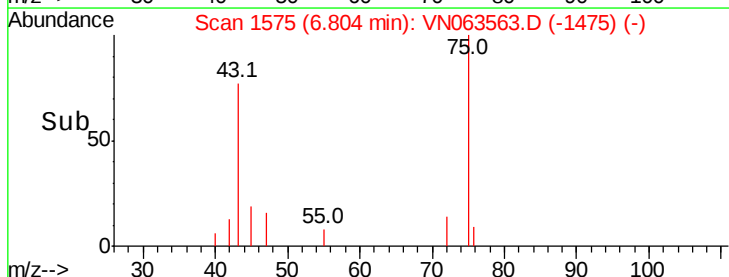
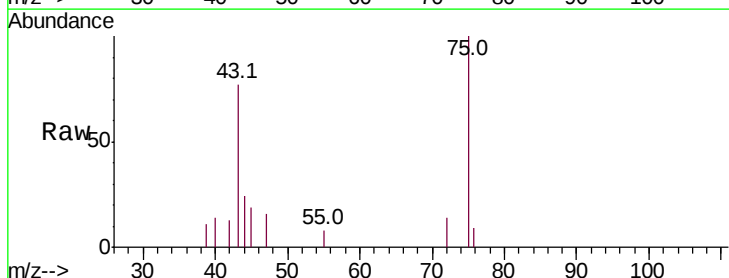
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#01

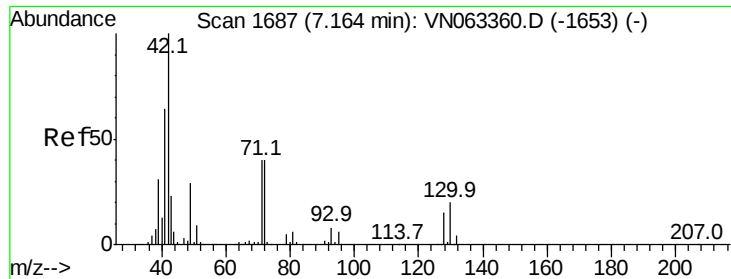
Tot Ion:	84	Resp:	19565
Ion	Ratio	Lower	Upper
84	100		
49	116.6	110.7	166.1
51	44.2	32.9	49.3
86	55.9	51.1	76.7



#25
2-Butanone
Concen: 2.626 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

Tgt Ion:	43	Resp:	4847
Ion	Ratio	Lower	Upper
43	100		
72	18.2	19.2	28.8#





#29

Tetrahydrofuran

Concen: 0.746 ug/l

RT: 7.18 min Scan# 1693

Delta R.T. 0.02 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#01

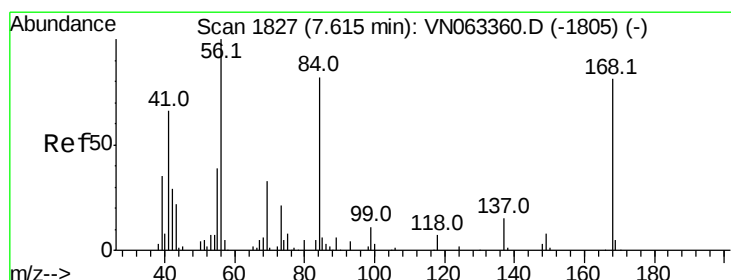
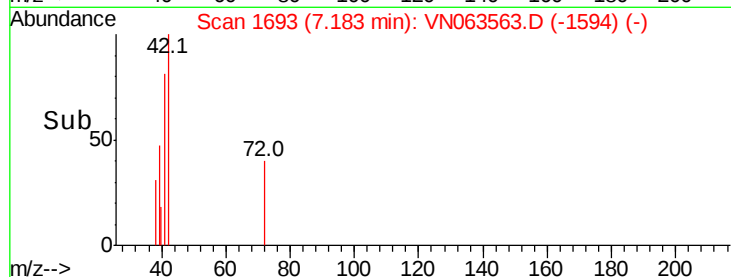
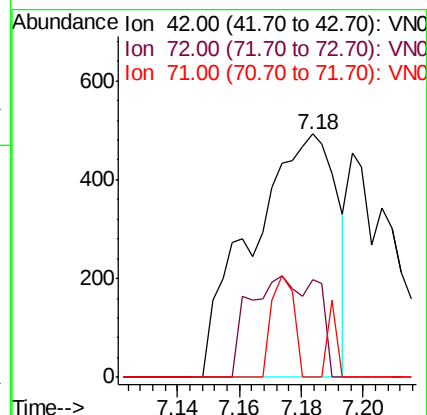
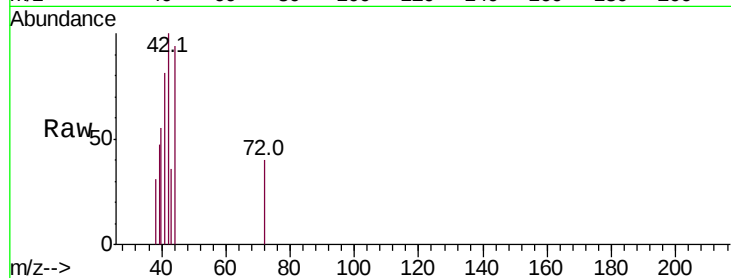
Tot Ion: 42 Resp: 941

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 3.2 31.2 46.8#



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

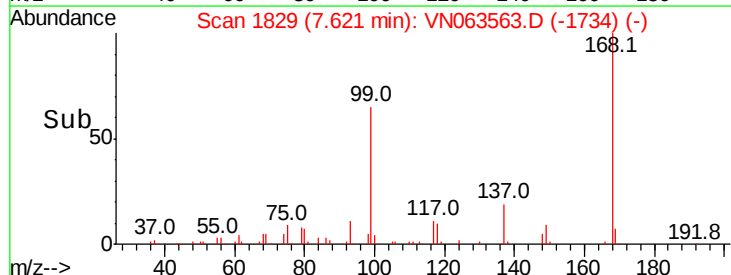
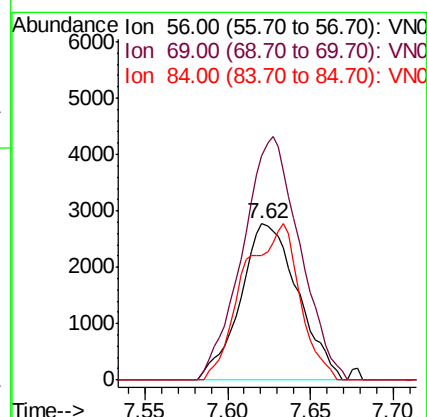
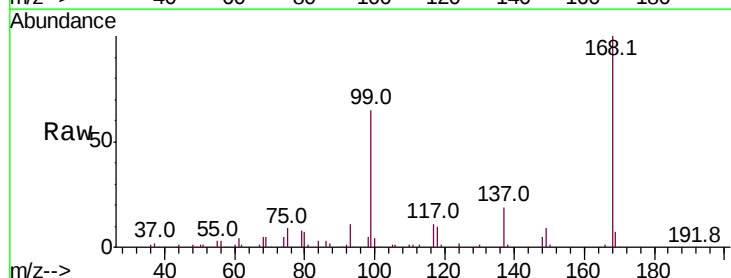
Tgt Ion: 56 Resp: 6705

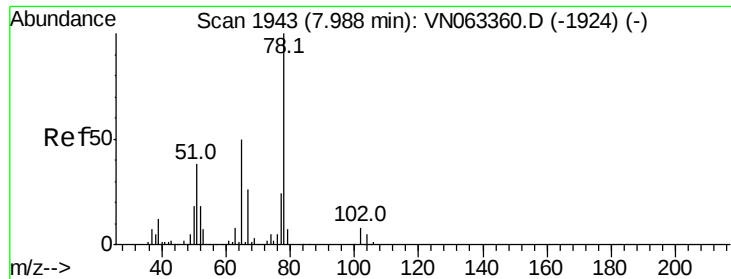
Ion Ratio Lower Upper

56 100

69 143.1 26.1 39.1#

84 79.3 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 50.511 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

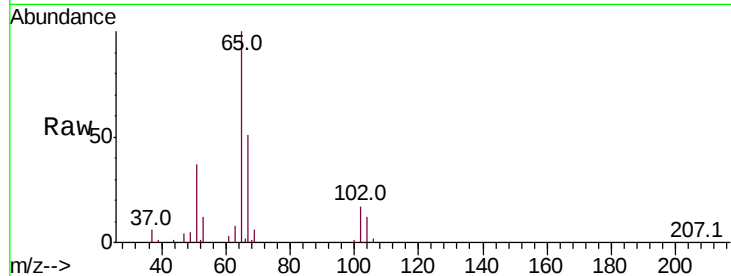
PB131772ZHE#01

Tot Ion: 65 Resp: 188633

Ion Ratio Lower Upper

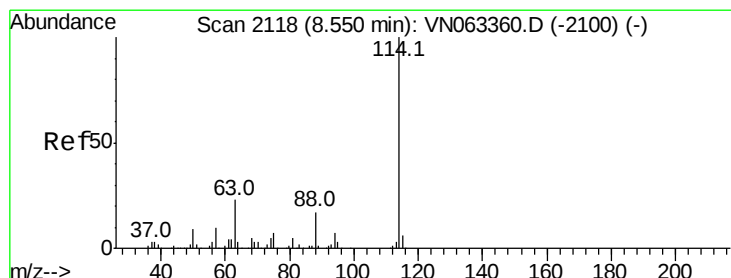
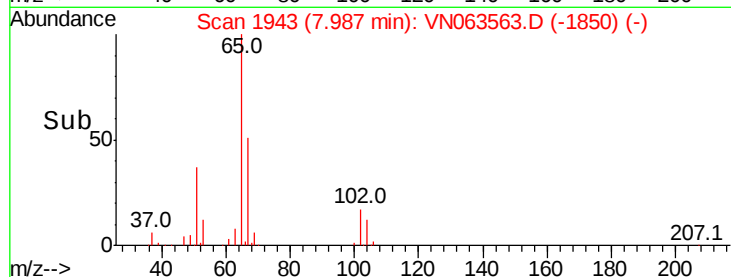
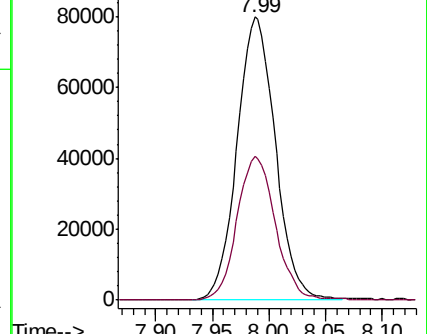
65 100

67 50.8 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: VN063563.D

Acq: 23 Sep 2020 4:27

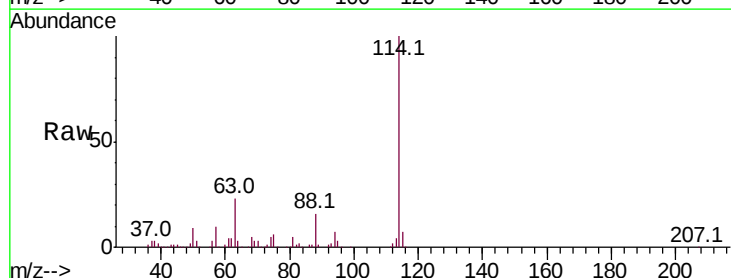
Tgt Ion: 114 Resp: 422712

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.4

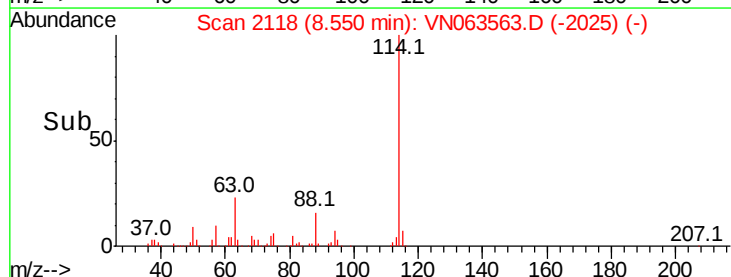
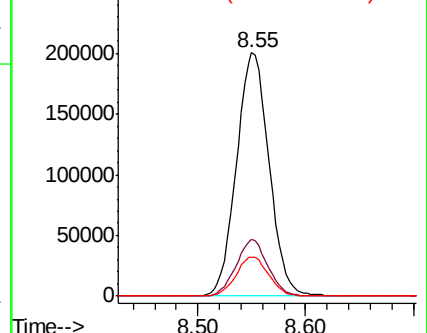
88 16.1 0.0 33.2

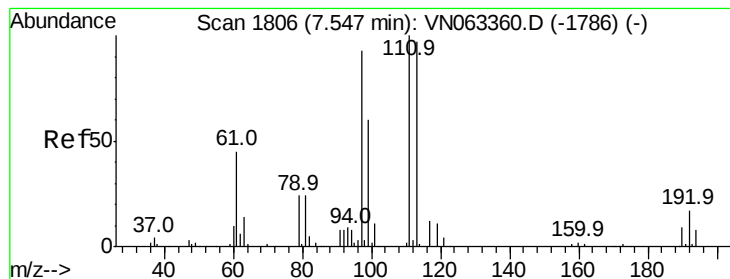


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

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: 47.453 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#01

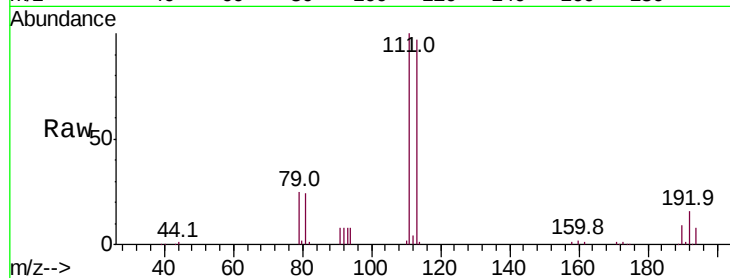
Tot Ion:113 Resp: 138863

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

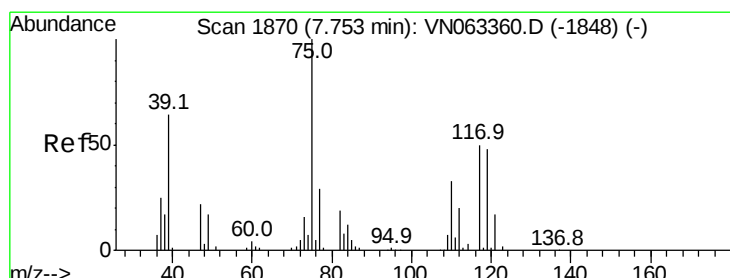
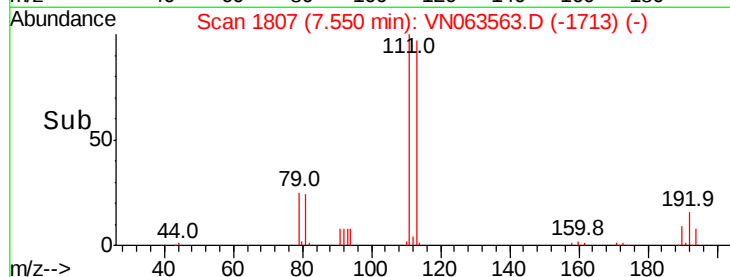
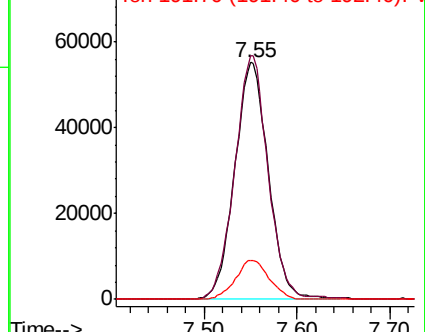
192 16.6 13.9 20.9



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: 4.625 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

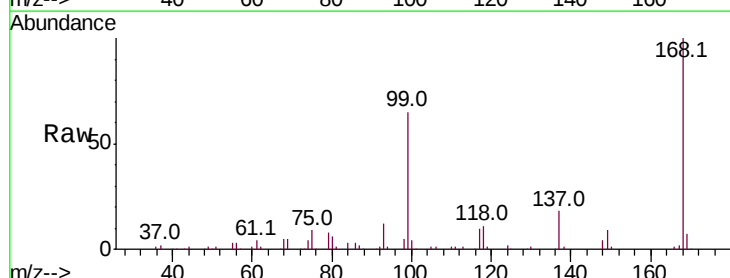
Tgt Ion: 75 Resp: 20828

Ion Ratio Lower Upper

75 100

110 5.1 16.5 49.5#

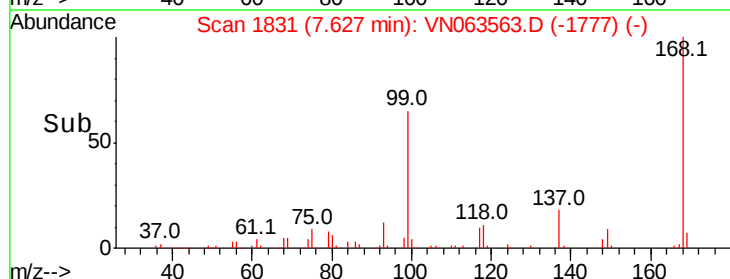
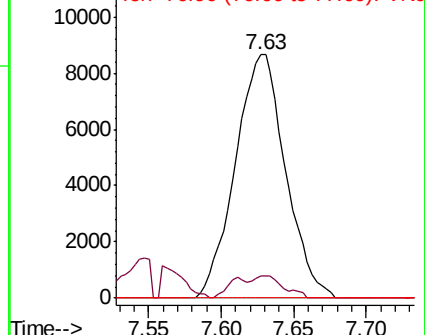
77 0.0 24.6 36.8#

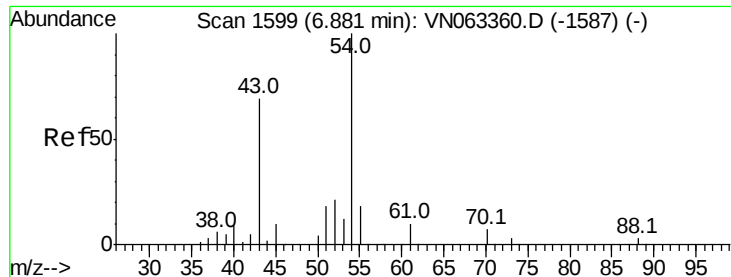


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

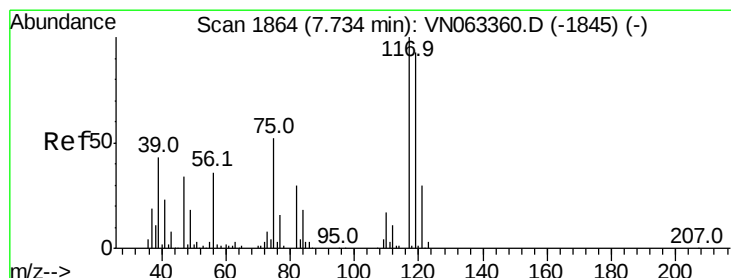
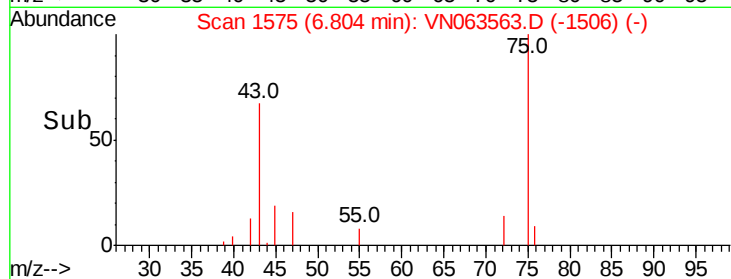
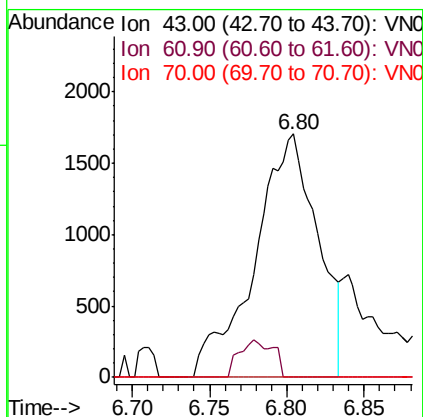
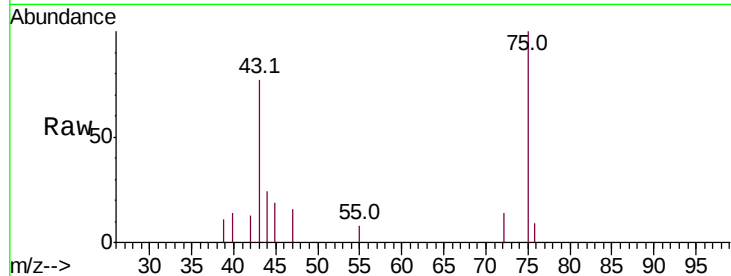




#37
Ethyl Acetate
Concen: 1.097 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. -0.08 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

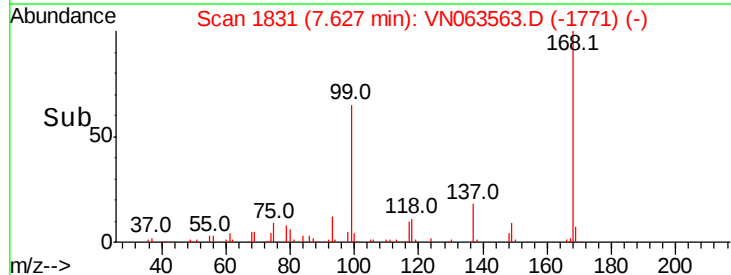
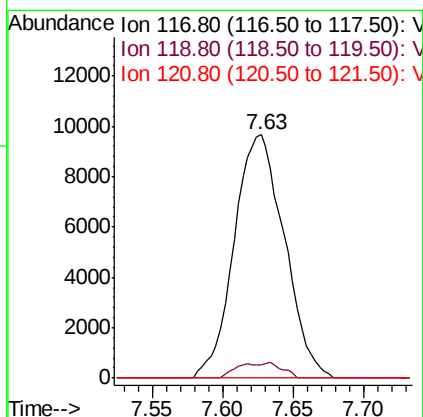
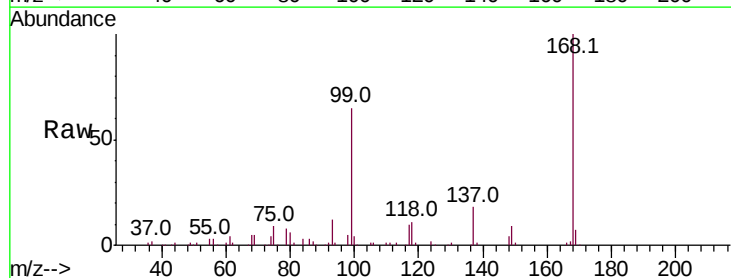
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#01

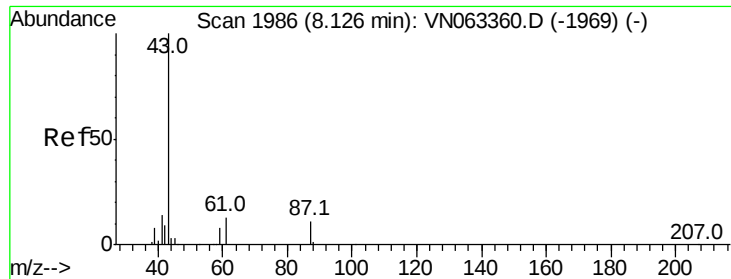
Tot Ion: 43 Resp: 4847
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 5.233 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

Tgt Ion: 117 Resp: 24056
Ion Ratio Lower Upper
117 100
119 5.6 74.5 111.7#
121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 10.165 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#01

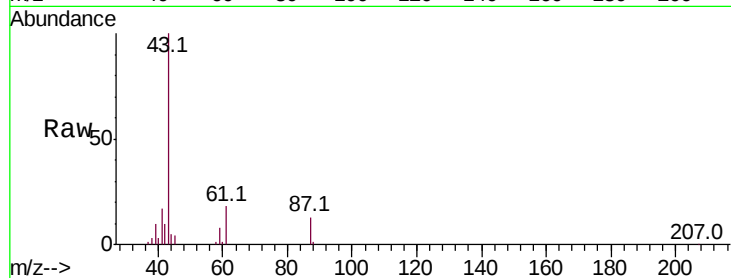
Tot Ion: 43 Resp: 80339

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.2

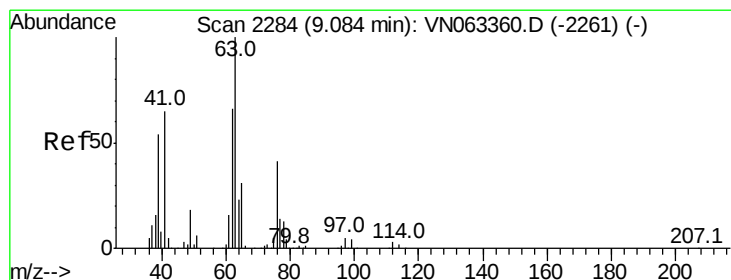
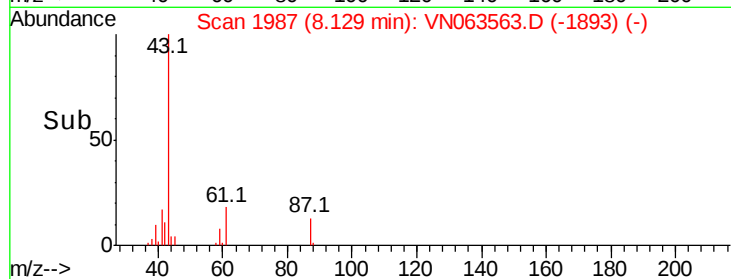
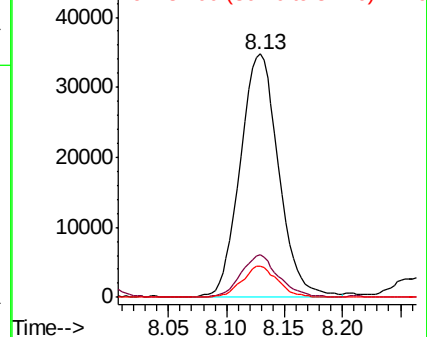
87 11.8 9.0 13.6



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: 0.516 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN063563.D

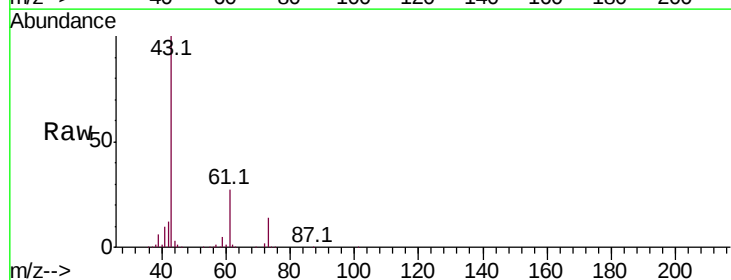
Acq: 23 Sep 2020 4:27

Tgt Ion: 63 Resp: 1807

Ion Ratio Lower Upper

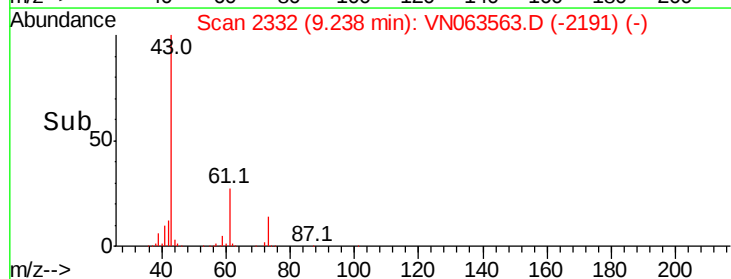
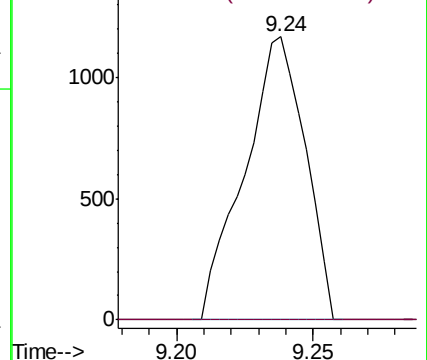
63 100

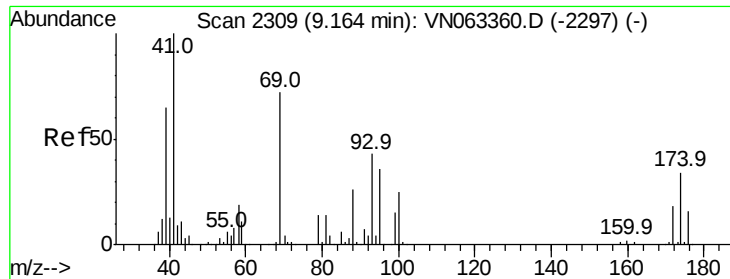
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

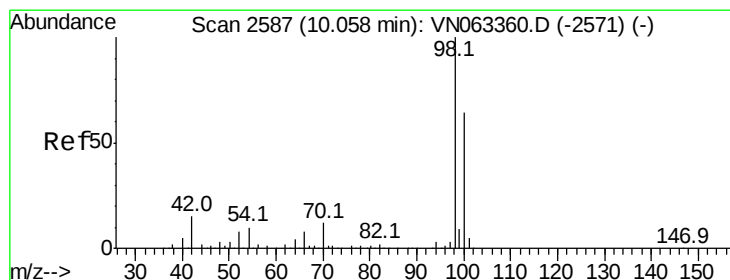
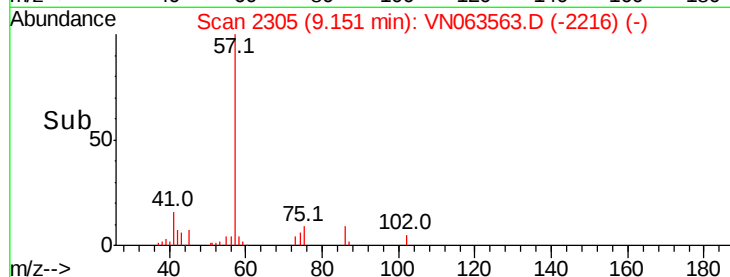
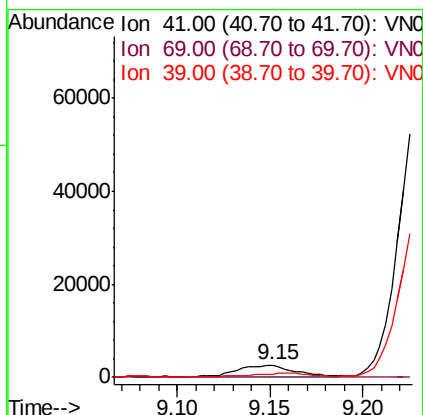
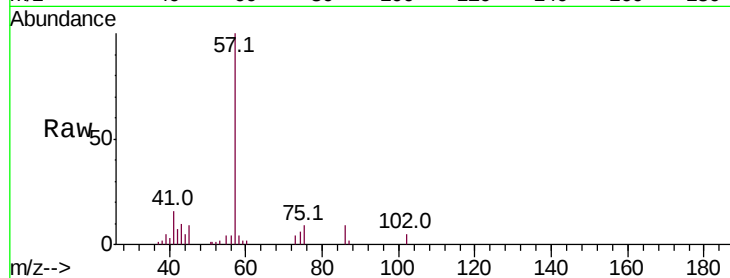




#48
Methvl methacrylate
Concen: 1.514 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

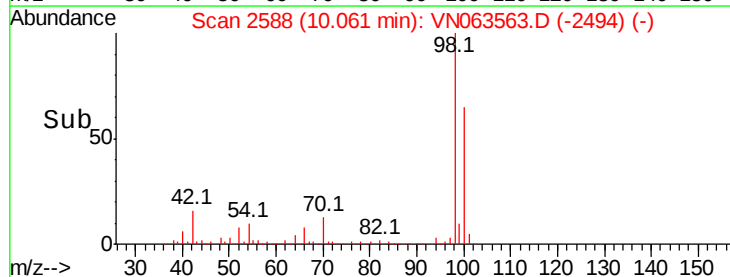
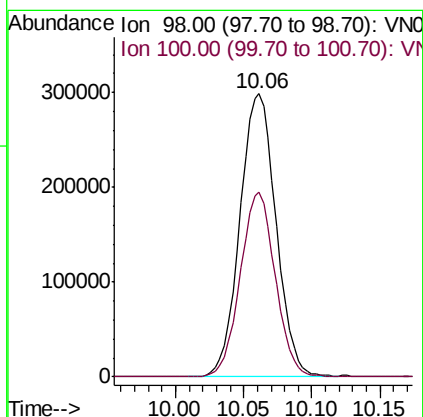
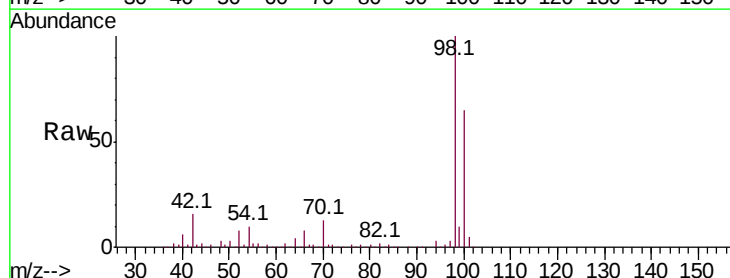
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#01

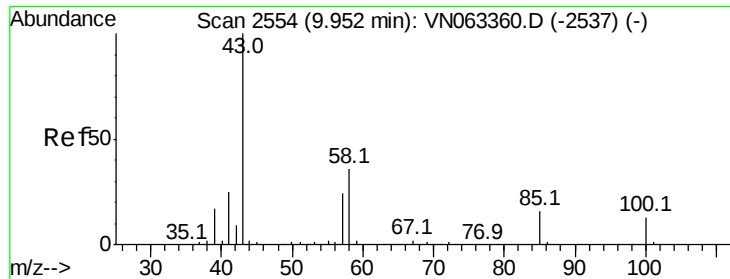
Tot Ion: 41 Resp: 5880
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 0.0 52.9 79.3#



#50
Toluene-d8
Concen: 49.957 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

Tgt Ion: 98 Resp: 549707
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 2.296 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

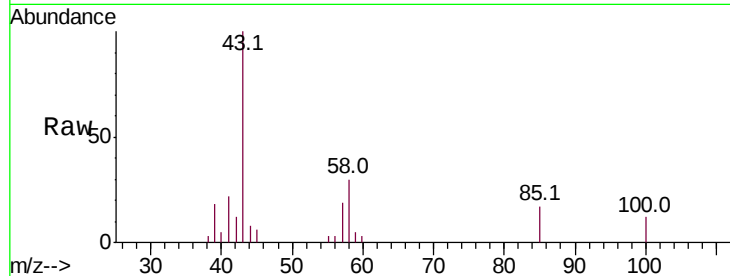
PB131772ZHE#01

Tot Ion: 43 Resp: 10157

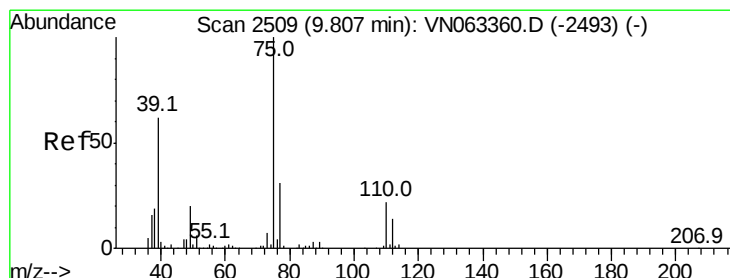
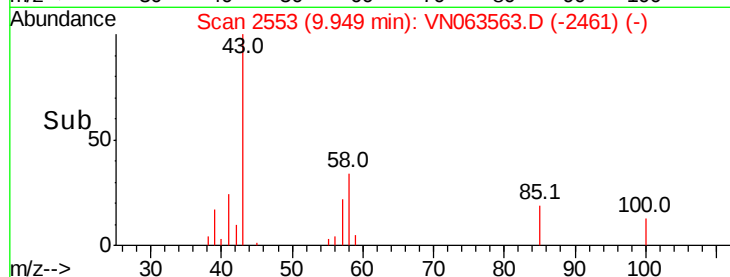
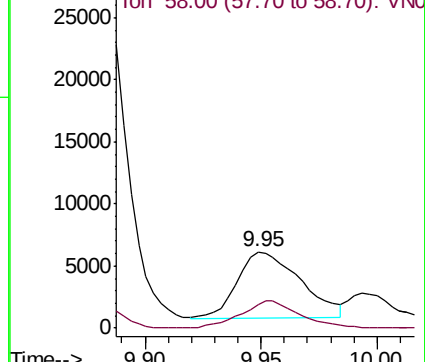
Ion Ratio Lower Upper

43 100

58 37.7 29.0 43.6



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



#54

cis-1,3-Dichloropropene

Concen: 5.506 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

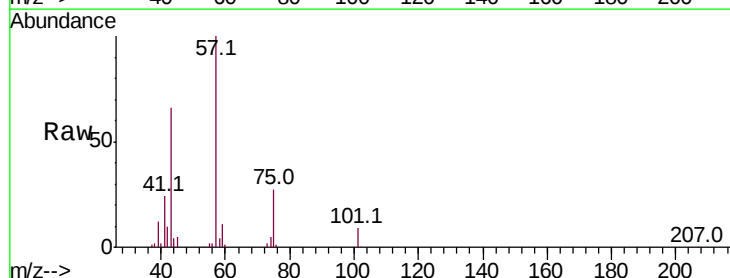
Tgt Ion: 75 Resp: 30999

Ion Ratio Lower Upper

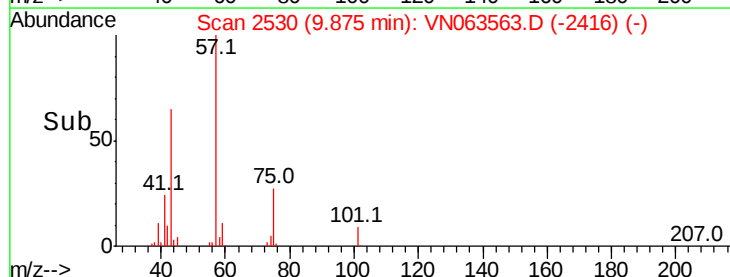
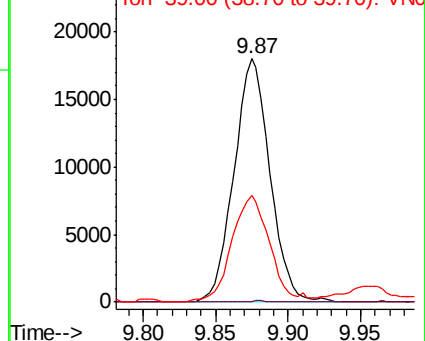
75 100

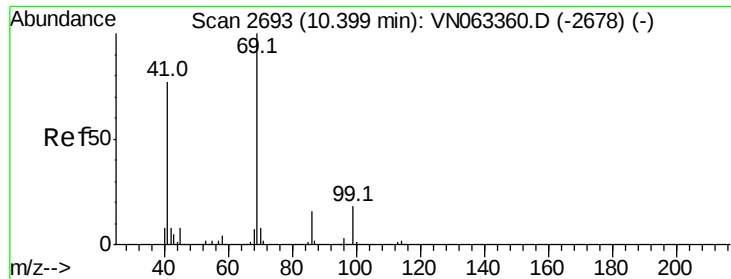
77 0.0 24.6 37.0#

39 43.0 49.8 74.8#



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





#56

Ethyl methacrylate

Concen: 0.294 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#01

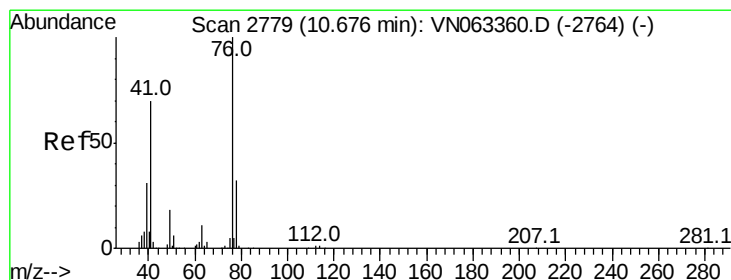
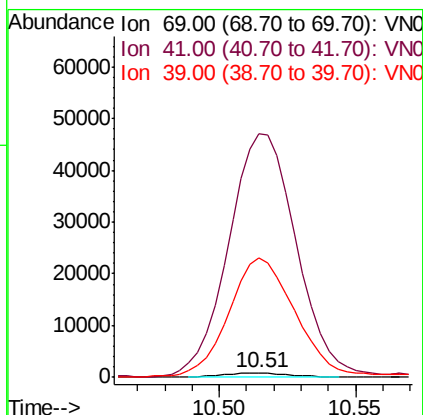
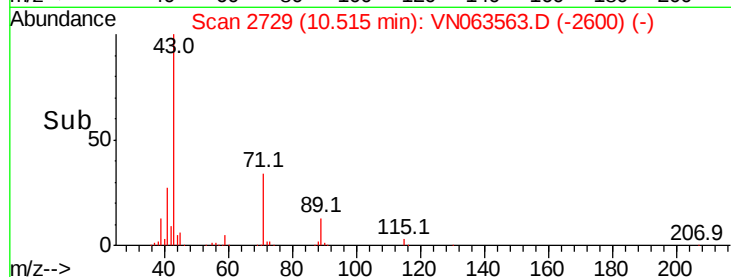
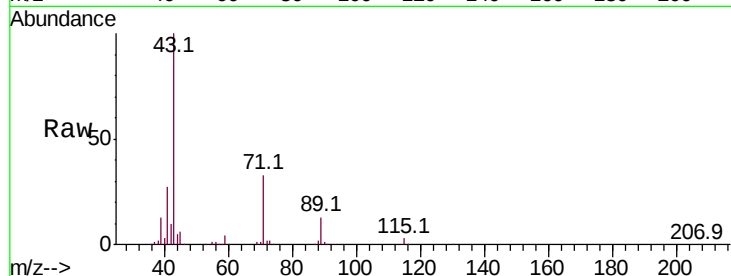
Tot Ion: 69 Resp: 1408

Ion Ratio Lower Upper

69 100

41 5738.3 61.0 91.6#

39 2828.6 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.093 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063563.D

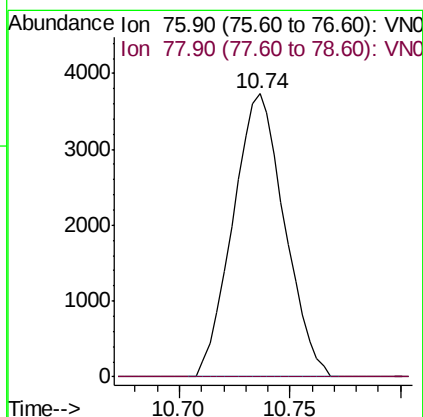
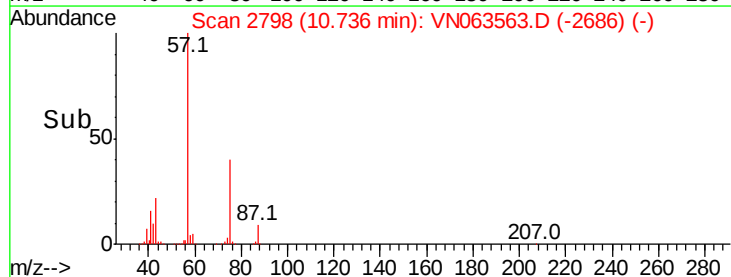
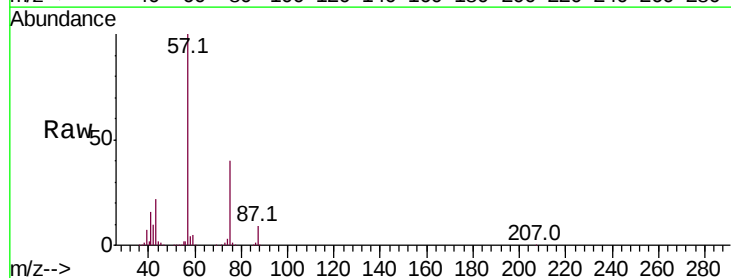
Acq: 23 Sep 2020 4:27

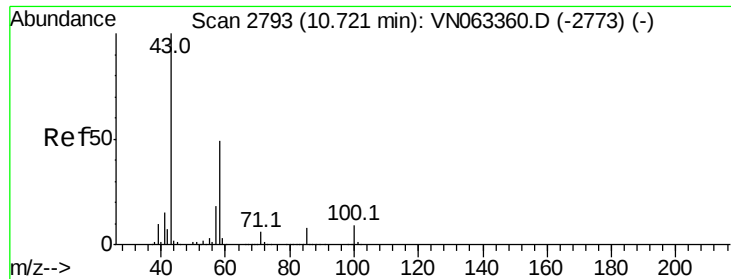
Tgt Ion: 76 Resp: 6049

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 28.681 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

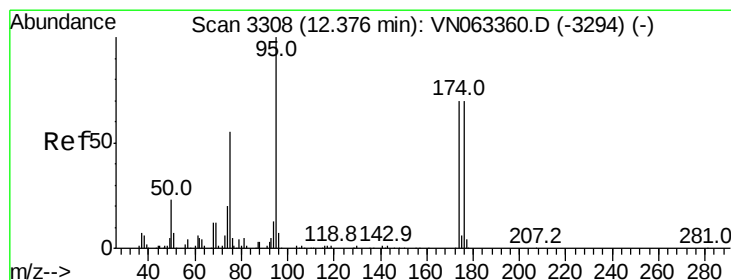
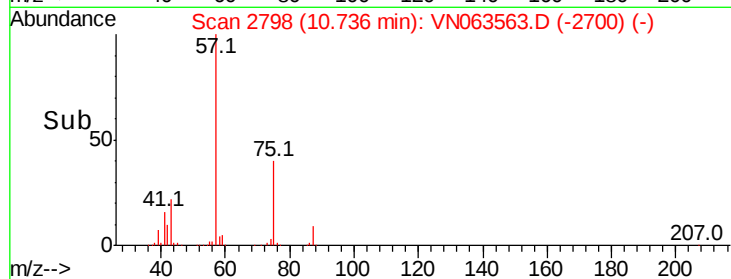
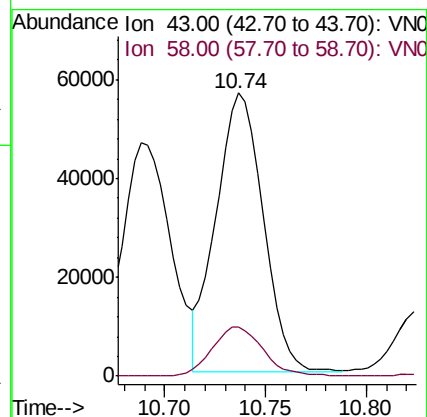
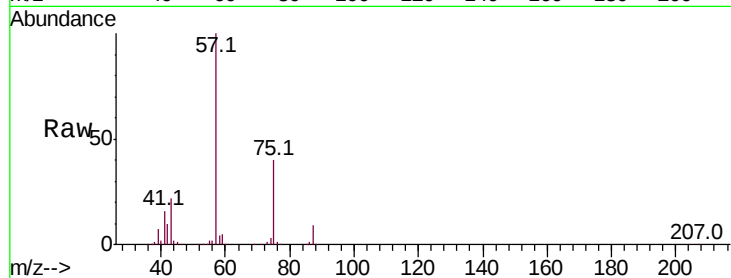
PB131772ZHE#01

Tot Ion: 43 Resp: 91934

Ion Ratio Lower Upper

43 100

58 19.2 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 54.532 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

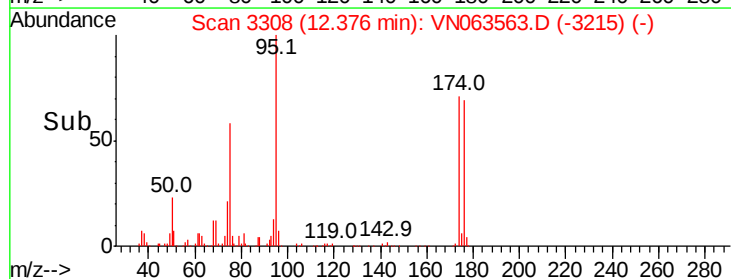
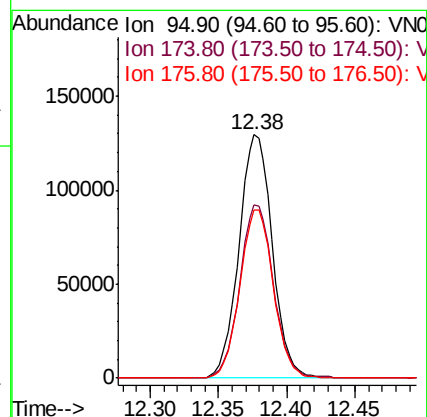
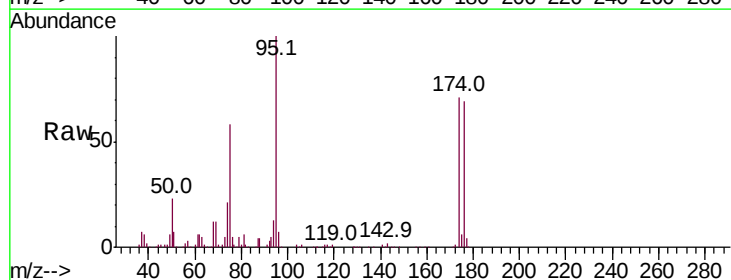
Tgt Ion: 95 Resp: 219968

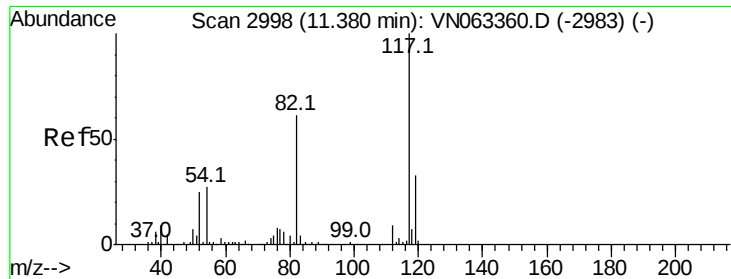
Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

176 69.6 0.0 137.6

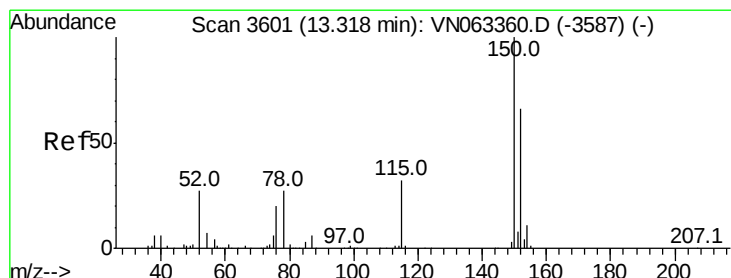
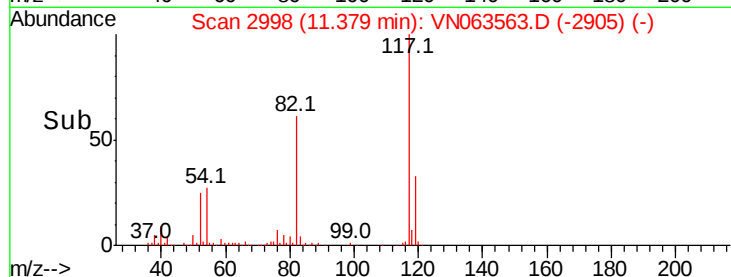
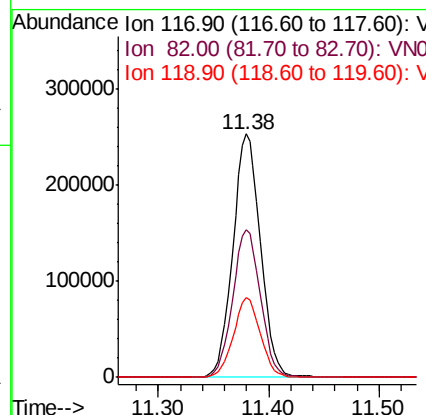
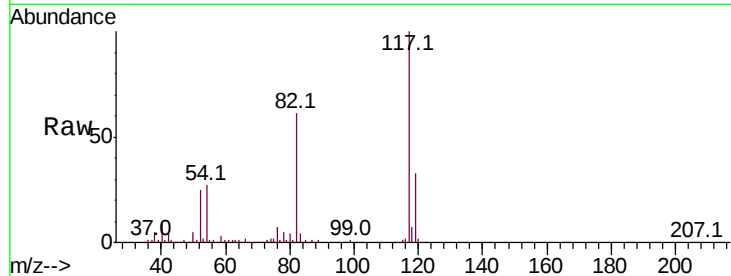




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

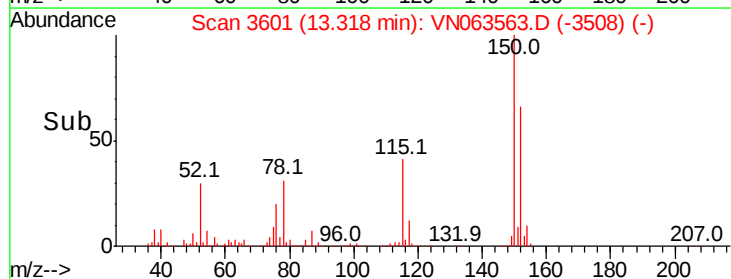
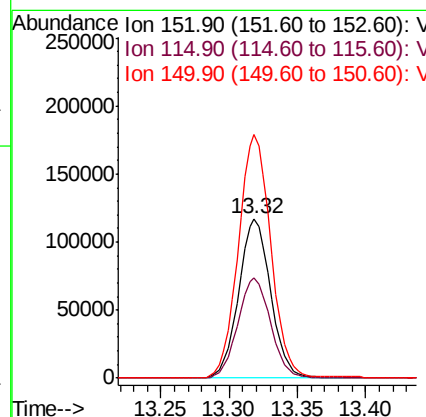
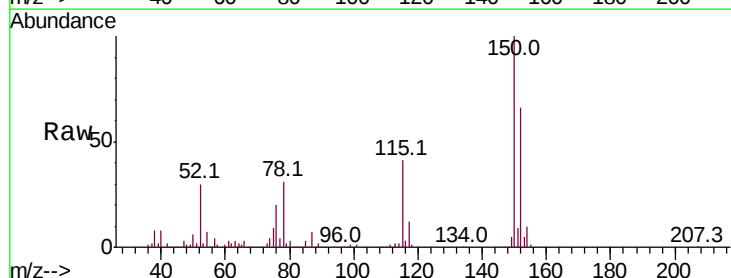
Instrument :
MSVOA_N
ClientSampleId :
PB131772ZHE#01

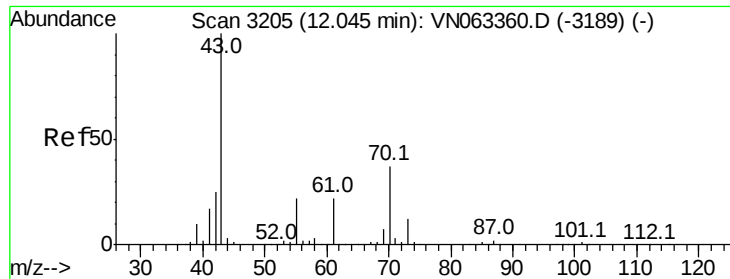
Tot Ion:117 Resp: 439081
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063563.D
Acq: 23 Sep 2020 4:27

Tgt Ion:152 Resp: 190559
Ion Ratio Lower Upper
152 100
115 64.3 32.2 96.6
150 155.2 0.0 343.4





#74

N-amvl acetate

Concen: 0.387 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.04 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

PB131772ZHE#01

Tot Ion: 43 Resp: 2799

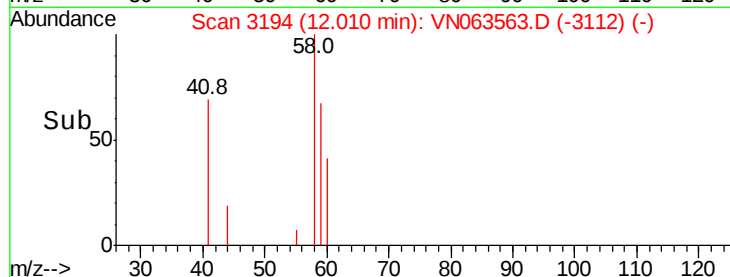
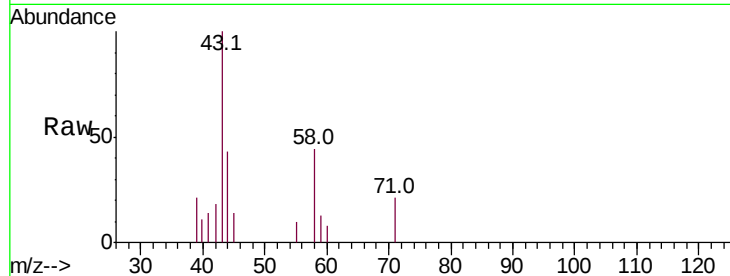
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 8.0 17.7 26.5#

61 0.0 17.4 26.2#

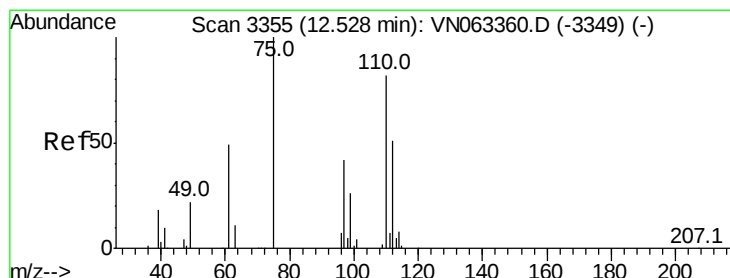
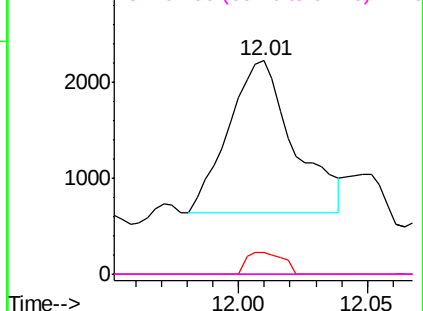


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.915 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063563.D

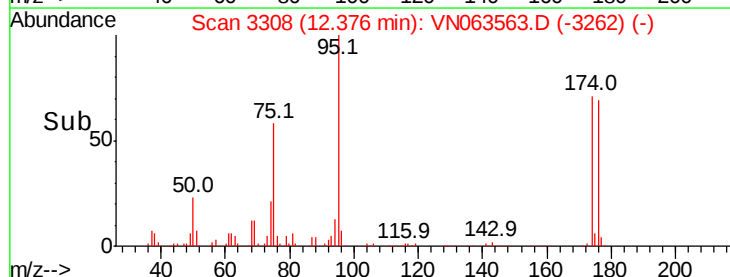
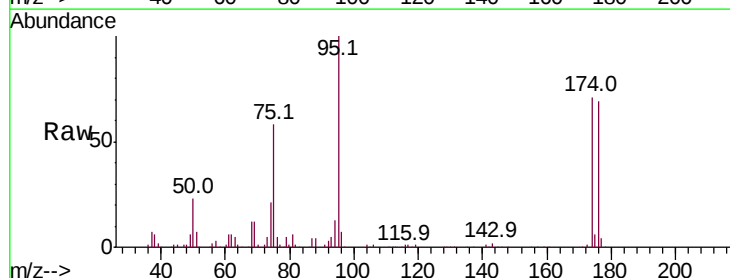
Acq: 23 Sep 2020 4:27

Tgt Ion: 75 Resp: 126946

Ion Ratio Lower Upper

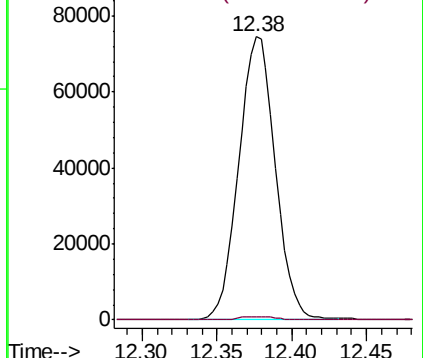
75 100

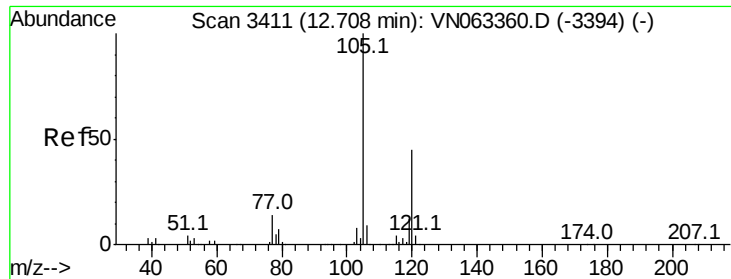
77 0.7 0.0 0.0#



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: 0.310 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

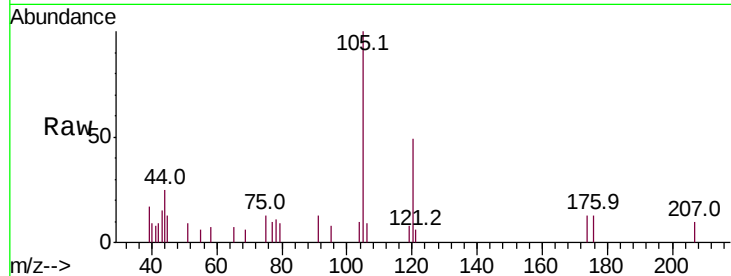
PB131772ZHE#01

Tot Ion:105 Resp: 3945

Ion Ratio Lower Upper

105 100

120 49.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000

2500

2000

1500

1000

500

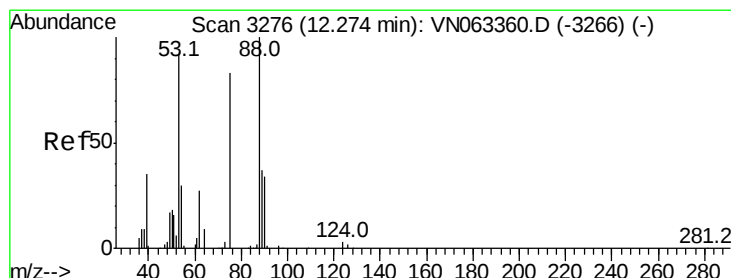
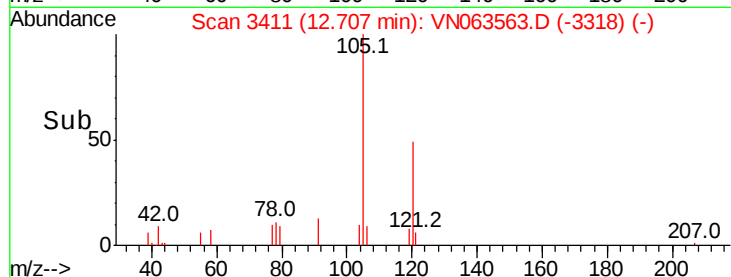
0

12.65

12.70

12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 73.790 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063563.D

Acq: 23 Sep 2020 4:27

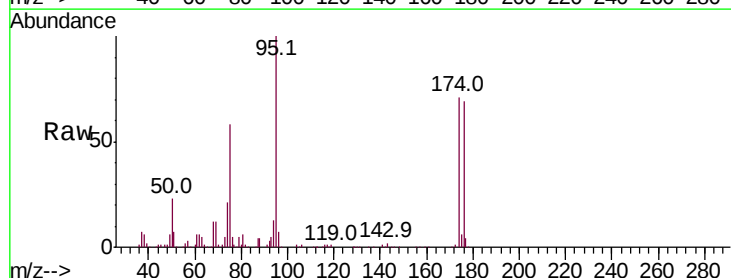
Tgt Ion: 75 Resp: 126946

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

80000

60000

40000

20000

0

12.30

12.35

12.40

12.45

Time-->

