

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063495.D
 Acq On : 21 Sep 2020 18:55
 Operator : JC/MD
 Sample : L3868-01
 Misc : 7.41g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-091520

Quant Time: Sep 22 02:27:20 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	250161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	467800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	217502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	197583	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	7.55	113	146694	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.06	98	591009	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.38	95	243464	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

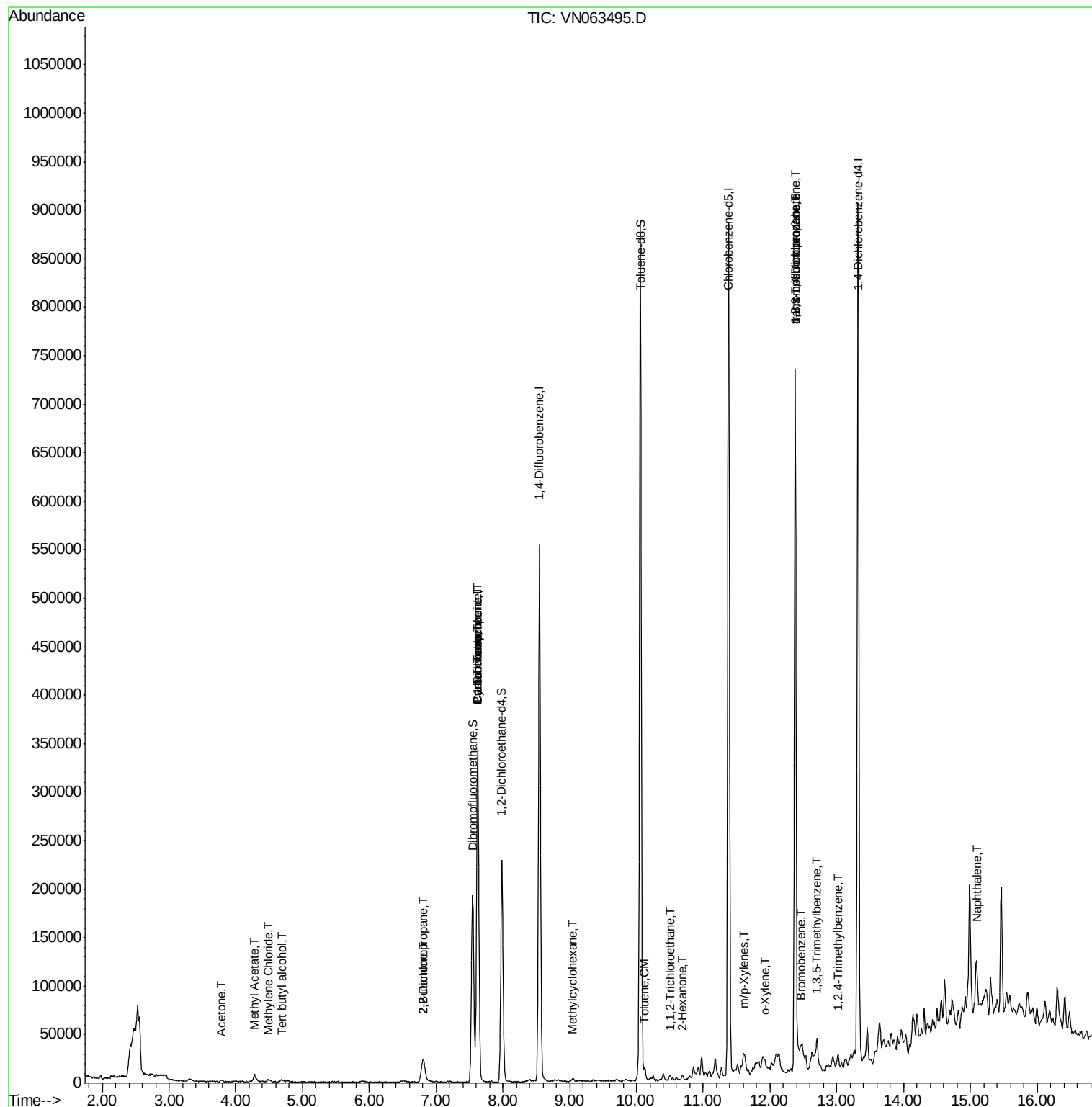
						Qvalue
11) Tert butyl alcohol	4.69	59	1068	1.810	ug/l #	72
16) Acetone	3.78	43	574	0.419	ug/l #	68
18) Methyl Acetate	4.28	43	12961	3.731	ug/l	96
20) Methylene Chloride	4.49	84	1590	0.459	ug/l #	41
25) 2-Butanone	6.81	43	5489	2.608	ug/l	99
26) 2,2-Dichloropropane	6.80	77	2048	0.374	ug/l #	55
31) Cyclohexane	7.62	56	7045	1.198	ug/l #	39
36) 1,1-Dichloropropene	7.62	75	23681	4.759	ug/l #	49
38) Carbon Tetrachloride	7.62	117	28222	5.556	ug/l #	17
39) Methylcyclohexane	9.04	83	1311	0.243	ug/l	94
52) Toluene	10.13	92	3561	0.417	ug/l	85
55) 1,1,2-Trichloroethane	10.50	97	1931	0.569	ug/l #	15
59) 2-Hexanone	10.68	43	2148	0.607	ug/l #	28
68) m/p-Xylenes	11.59	106	3906	0.579	ug/l	79
69) o-Xylene	11.92	106	2026	0.315	ug/l	94
76) 1,2,3-Trichloropropane	12.38	75	136617	25.377	ug/l #	100
77) Bromobenzene	12.46	156	797	0.203	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.71	105	3202	0.220	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	136617	69.574	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.01	105	4888	0.333	ug/l	92
95) Naphthalene	15.11	128	16206	1.166	ug/l #	87

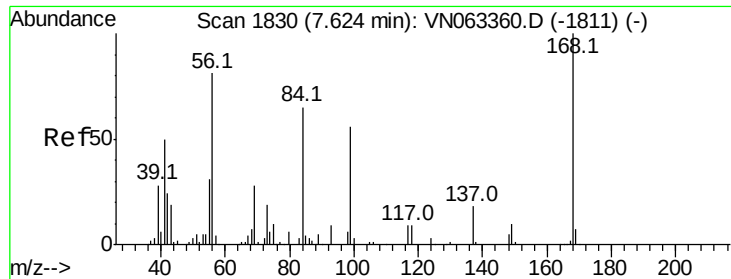
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

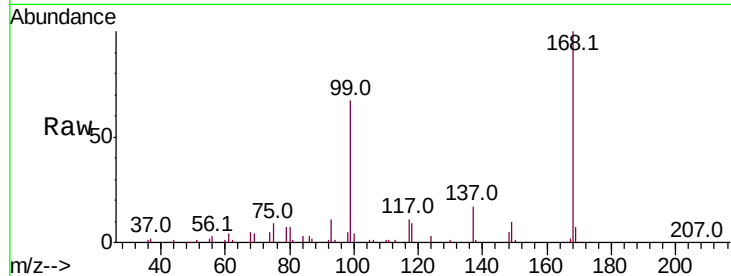
PL-02-091520

Tot Ion:168 Resp: 250161

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

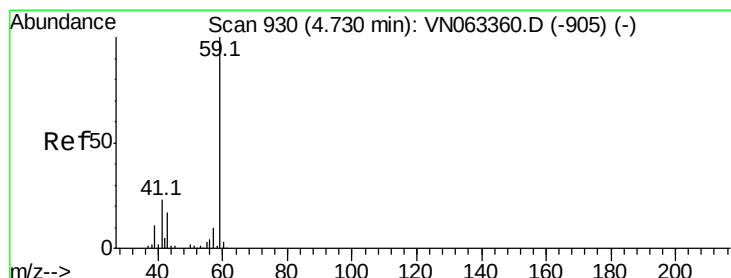
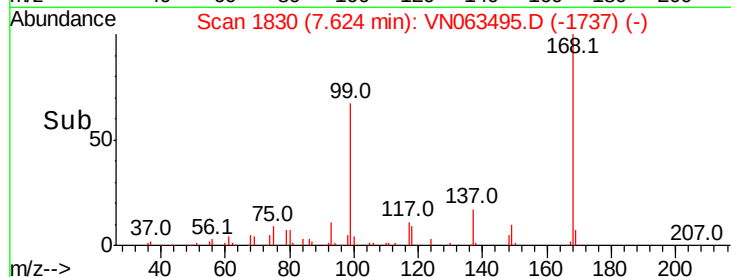
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 1.810 ug/l

RT: 4.69 min Scan# 919

Delta R.T. -0.04 min

Lab File: VN063495.D

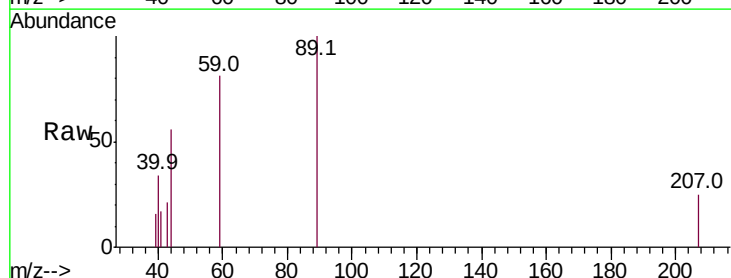
Acq: 21 Sep 2020 18:55

Tgt Ion: 59 Resp: 1068

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.69

800

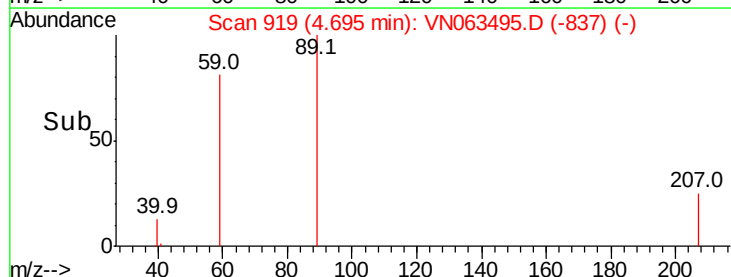
600

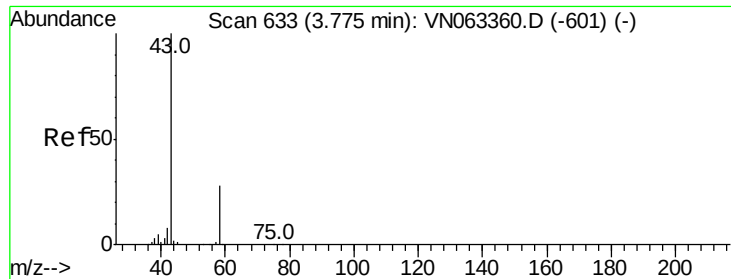
400

200

0

Time--> 4.70 4.75





#16

Acetone

Concen: 0.419 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

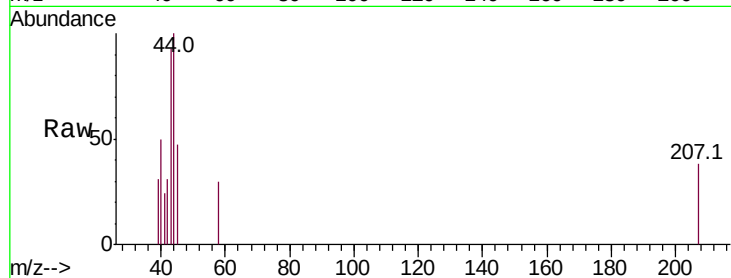
PL-02-091520

Tot Ion: 43 Resp: 574

Ion Ratio Lower Upper

43 100

58 44.5 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

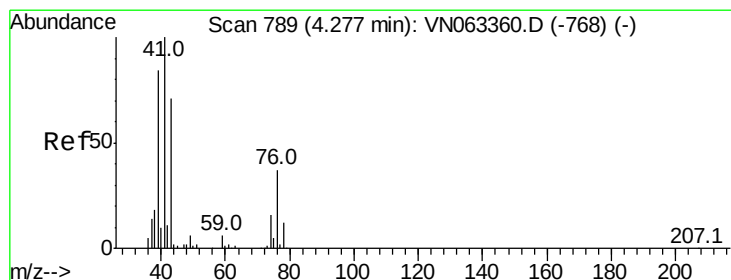
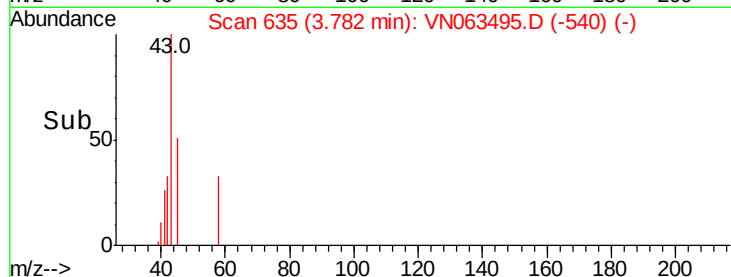
600

400

200

0

Time--> 3.74 3.76 3.78 3.80



#18

Methyl Acetate

Concen: 3.731 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063495.D

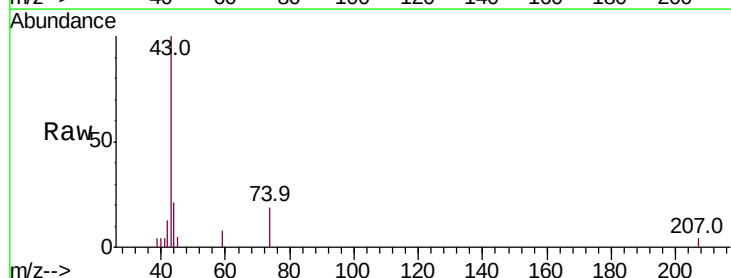
Acq: 21 Sep 2020 18:55

Tgt Ion: 43 Resp: 12961

Ion Ratio Lower Upper

43 100

74 19.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

6000

5000

4000

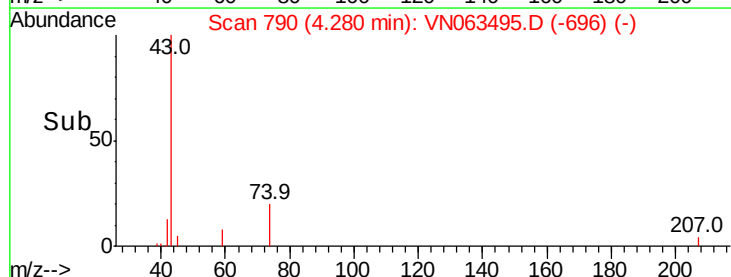
3000

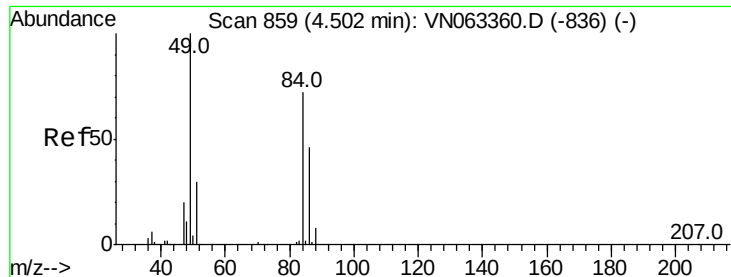
2000

1000

0

Time--> 4.20 4.25 4.30 4.35

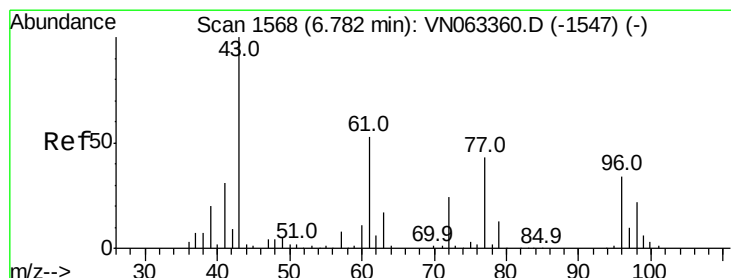
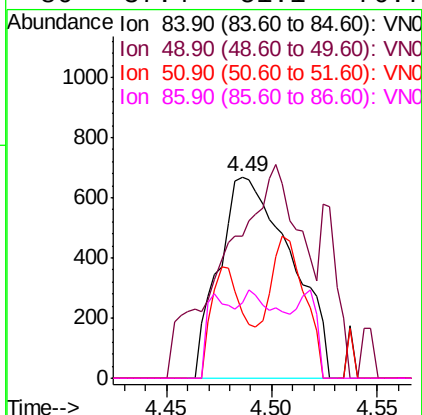
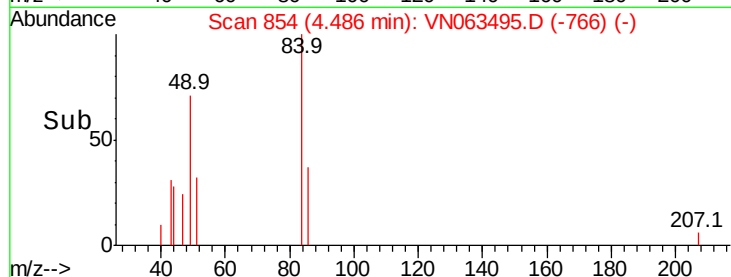
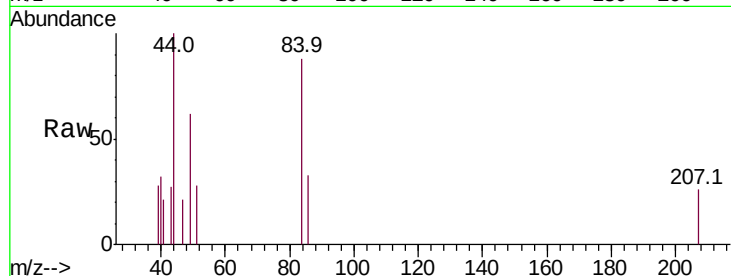




#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 4.49 min Scan# 854
Delta R.T. -0.02 min
Lab File: VN063495.D
Acq: 21 Sep 2020 18:55

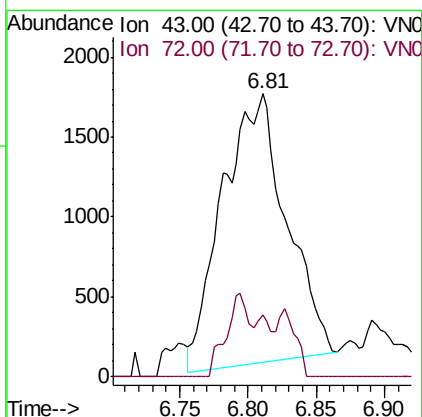
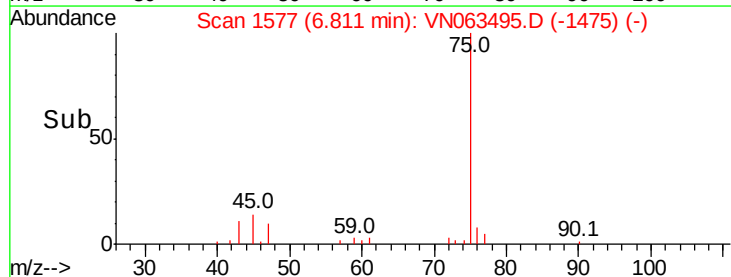
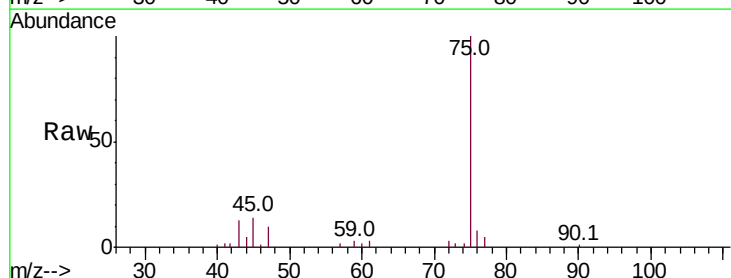
Instrument :
MSVOA_N
ClientSampled :
PL-02-091520

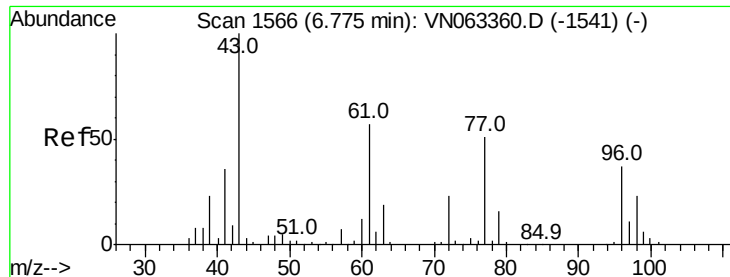
Tot Ion: 84 Resp: 1590
Ion Ratio Lower Upper
84 100
49 37.7 110.7 166.1#
51 32.3 32.9 49.3#
86 37.4 51.1 76.7#



#25
2-Butanone
Concen: 2.608 ug/l
RT: 6.81 min Scan# 1577
Delta R.T. 0.03 min
Lab File: VN063495.D
Acq: 21 Sep 2020 18:55

Tgt Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
72 24.3 19.2 28.8

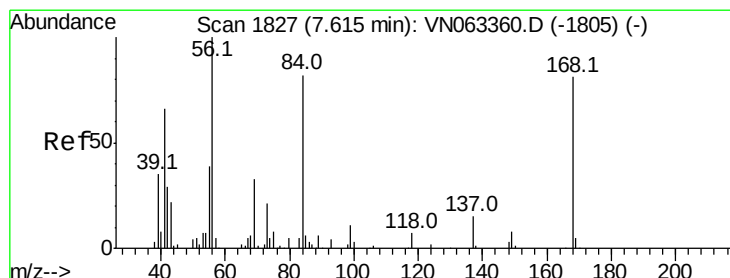
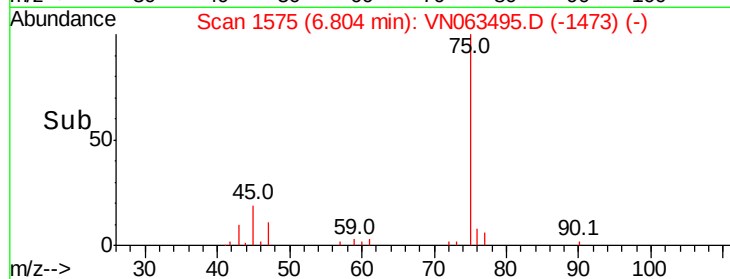
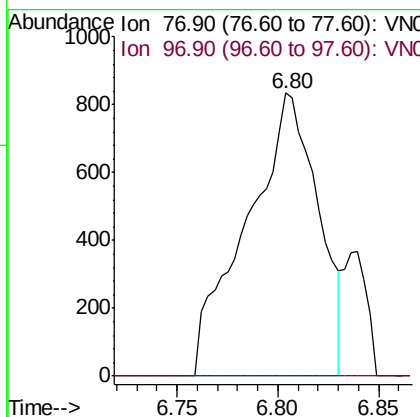
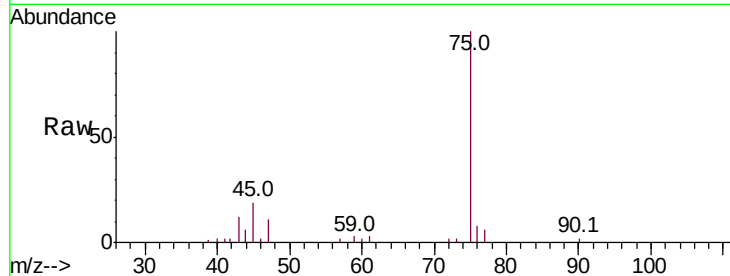




#26
 2,2-Dichloropropane
 Concen: 0.374 ug/l
 RT: 6.80 min Scan# 1575
 Delta R.T. 0.03 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

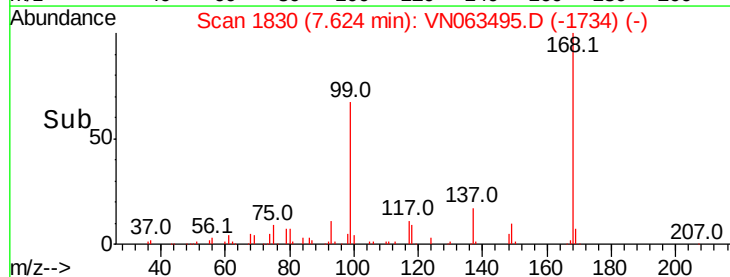
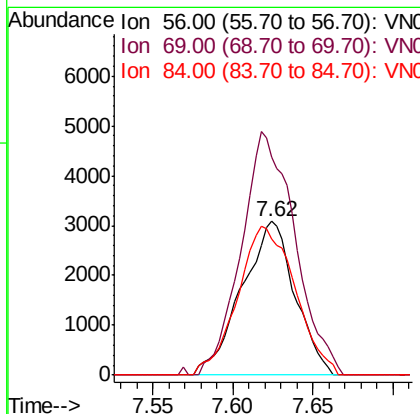
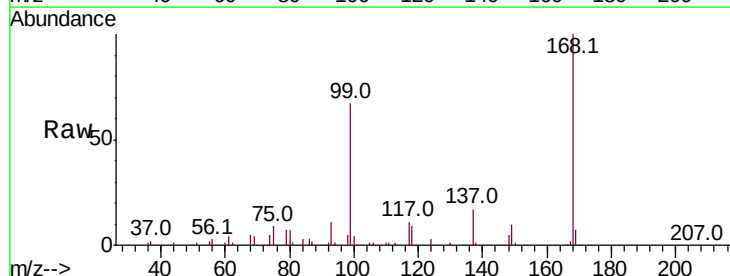
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-091520

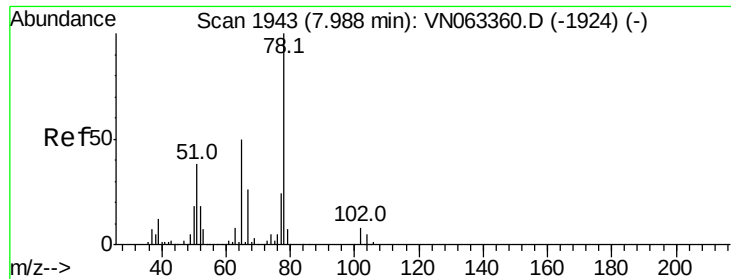
Tot Ion: 77 Resp: 2048
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#31
 Cyclohexane
 Concen: 1.198 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

Tgt Ion: 56 Resp: 7045
 Ion Ratio Lower Upper
 56 100
 69 142.1 26.1 39.1#
 84 88.6 65.4 98.2

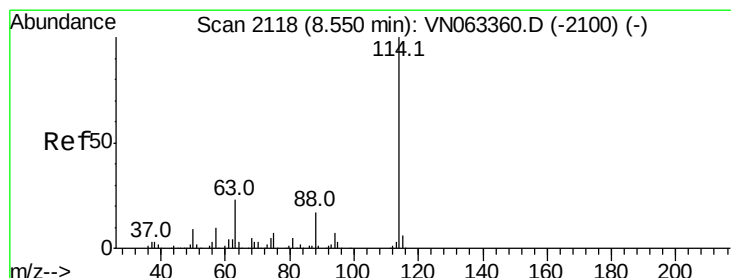
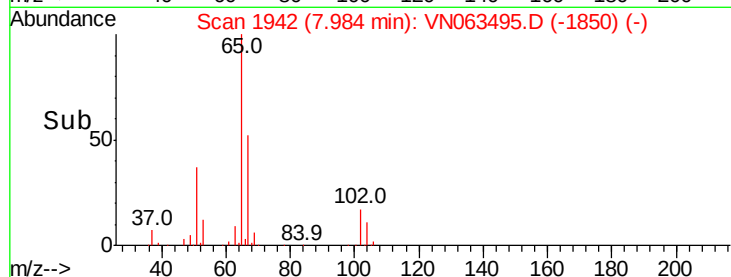
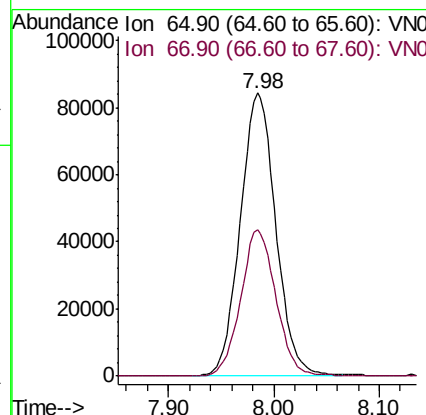
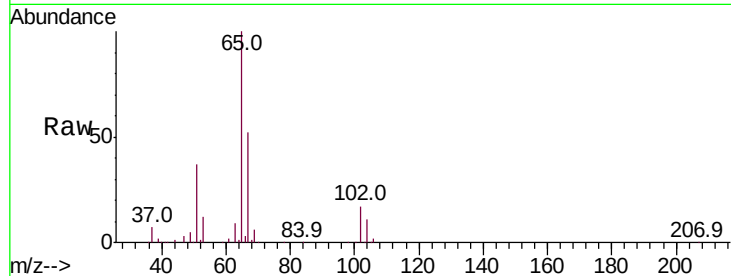




#33
 1,2-Dichloroethane-d4
 Concen: 46.398 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

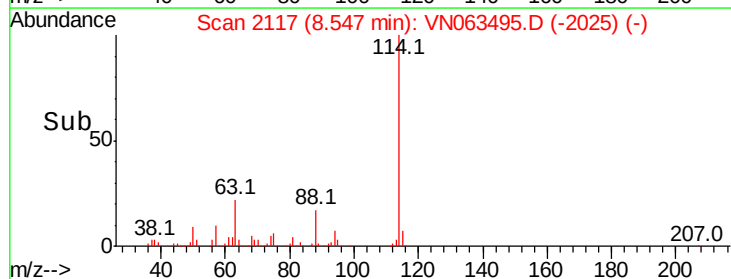
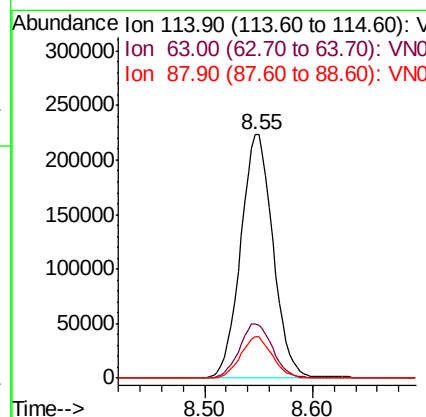
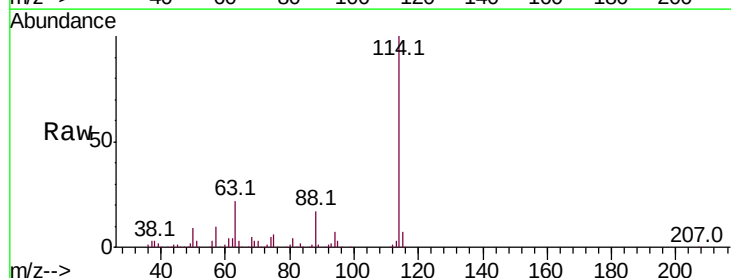
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-091520

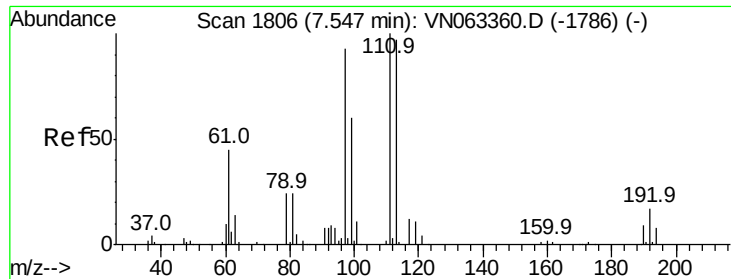
Tot Ion: 65 Resp: 197583
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

Tgt Ion: 114 Resp: 467038
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.4
 88 17.1 0.0 33.2

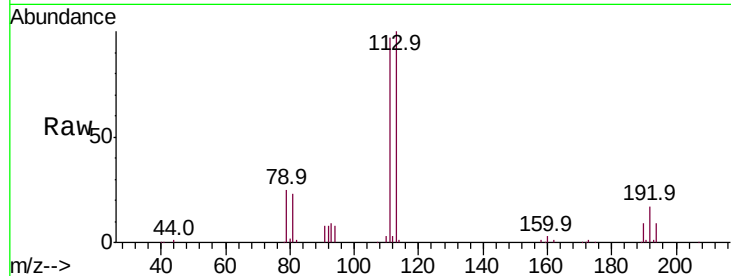




#35
 Dibromofluoromethane
 Concen: 45.371 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-091520

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	82.9	124.3
192	17.8	13.9	20.9

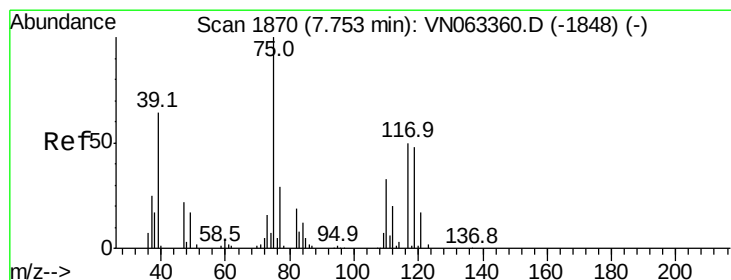
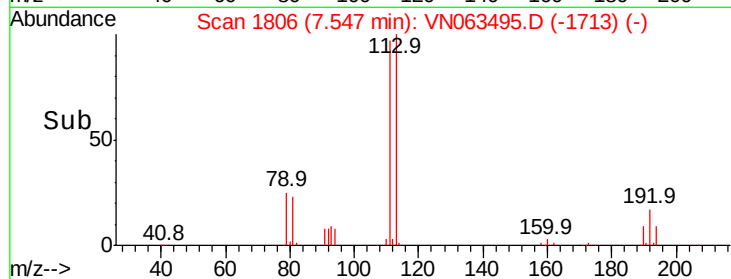
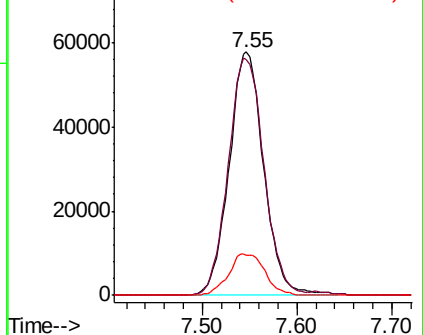


Abundance

Ion 112.80 (112.50 to 113.50): V

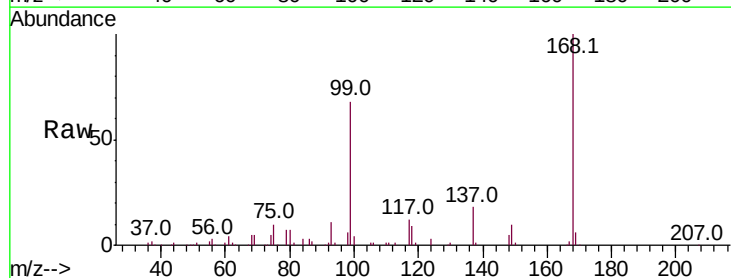
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.4	16.5	49.5#
77	0.0	24.6	36.8#

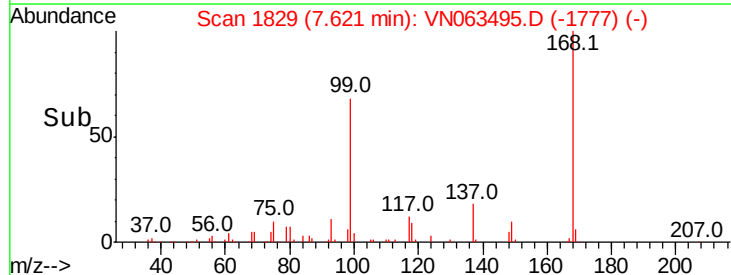
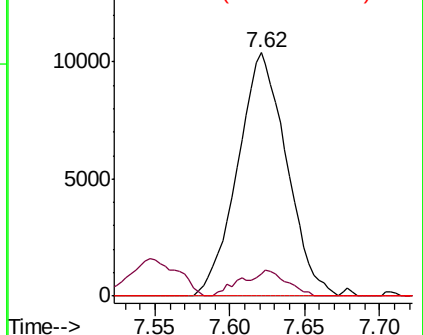


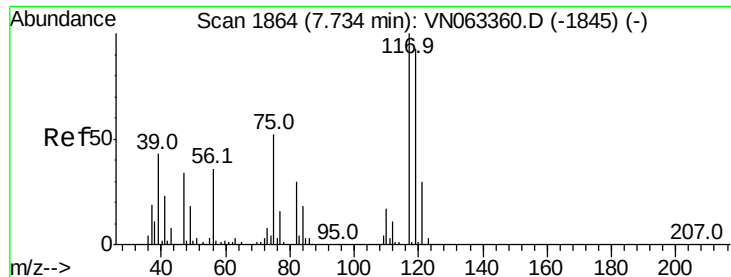
Abundance

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: 5.556 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

PL-02-091520

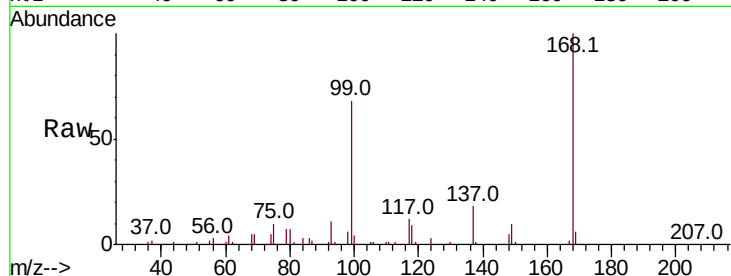
Tot Ion:117 Resp: 28222

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

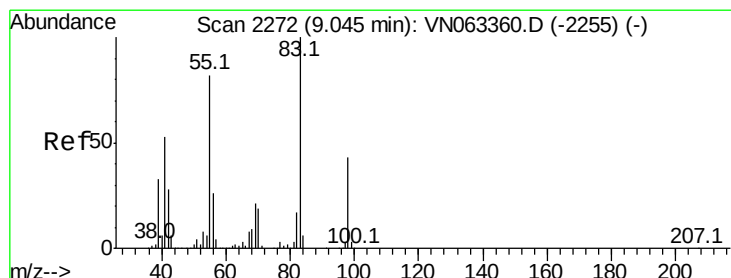
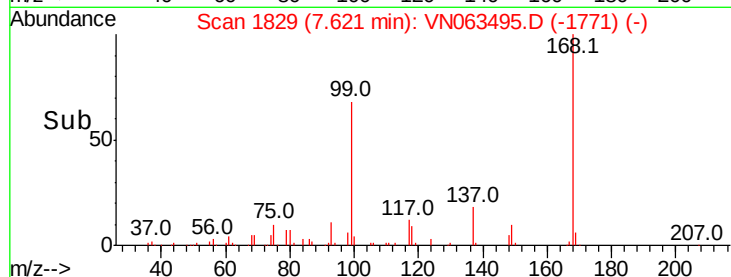
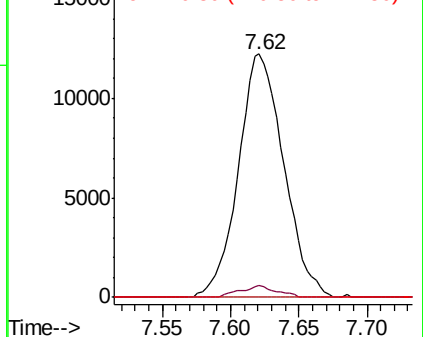
121 0.0 24.1 36.1#



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



#39

Methylcyclohexane

Concen: 0.243 ug/l

RT: 9.04 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

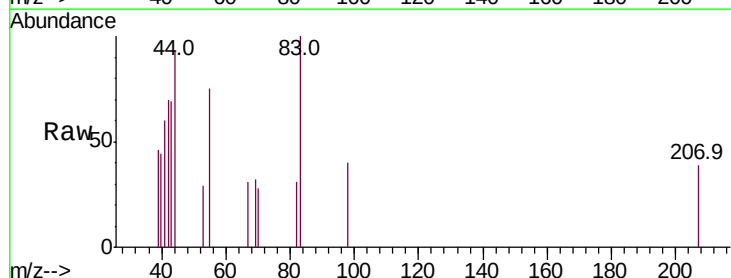
Tgt Ion: 83 Resp: 1311

Ion Ratio Lower Upper

83 100

55 75.5 65.5 98.3

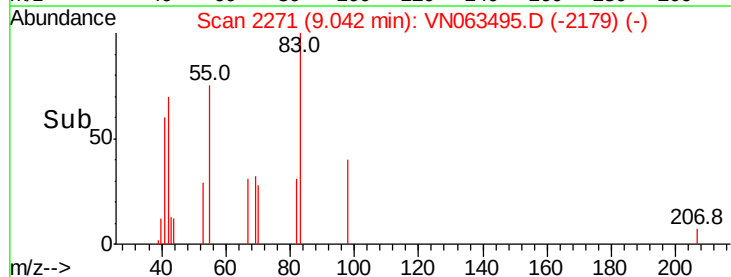
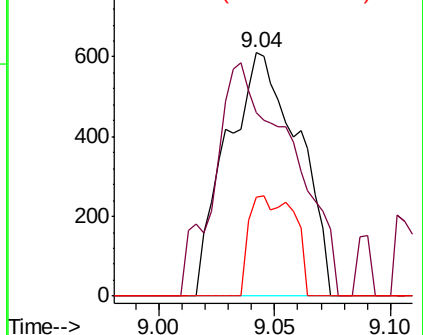
98 40.4 34.2 51.4

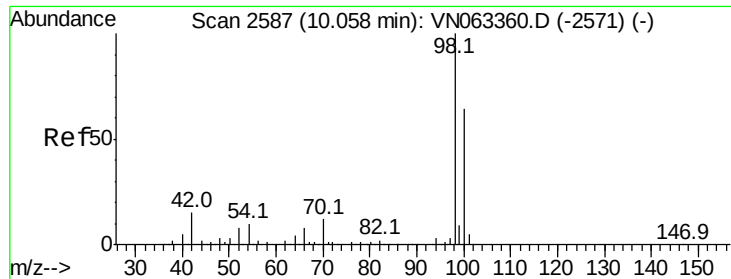


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#50

Toluene-d8

Concen: 48.613 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

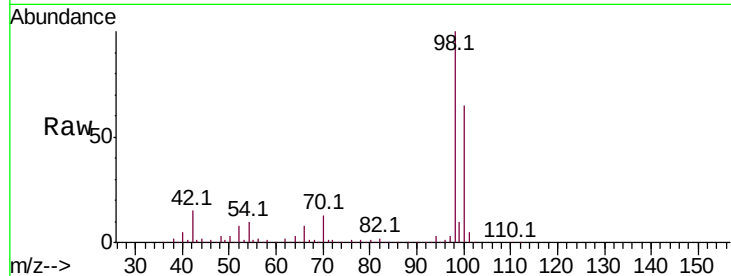
PL-02-091520

Tot Ion: 98 Resp: 591009

Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

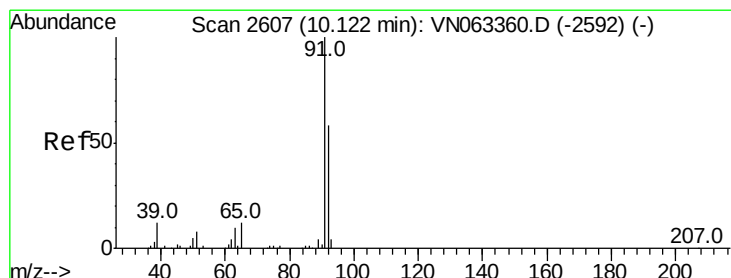
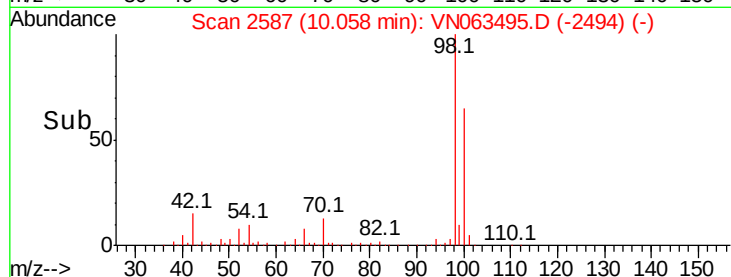
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.417 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063495.D

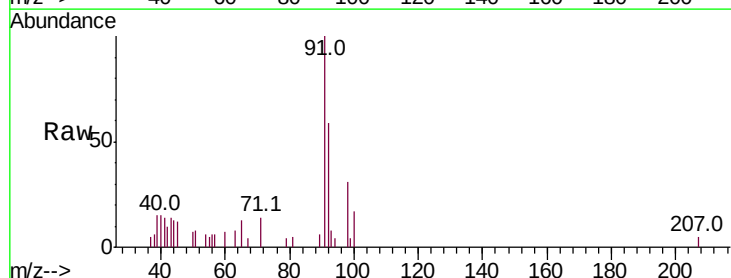
Acq: 21 Sep 2020 18:55

Tgt Ion: 92 Resp: 3561

Ion Ratio Lower Upper

92 100

91 195.5 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)

4000

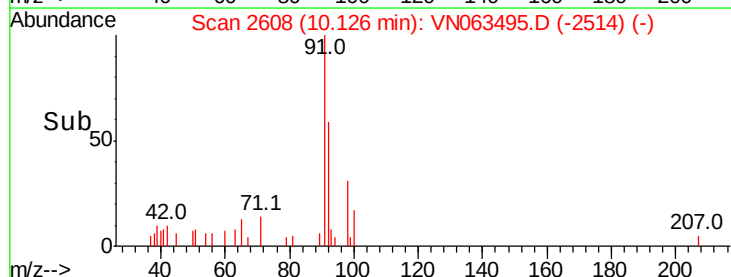
3000

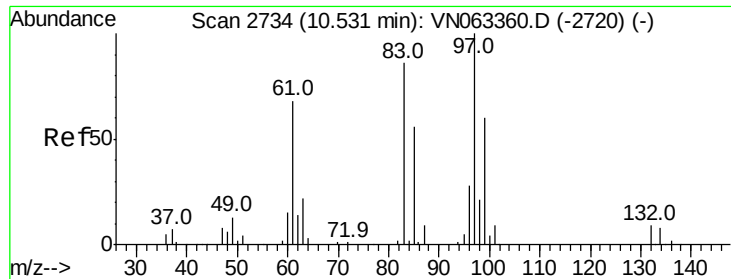
2000

1000

0

Time-->

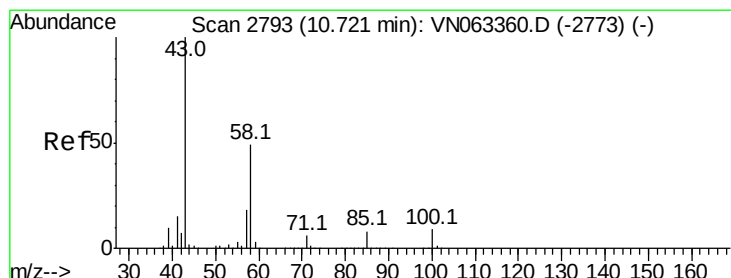
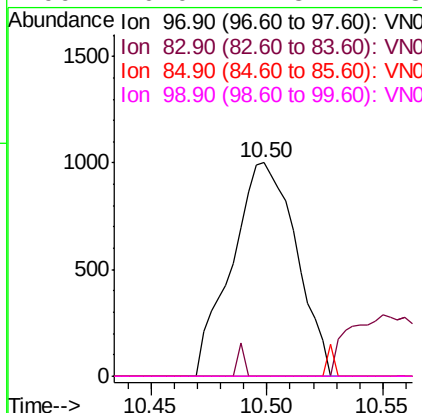
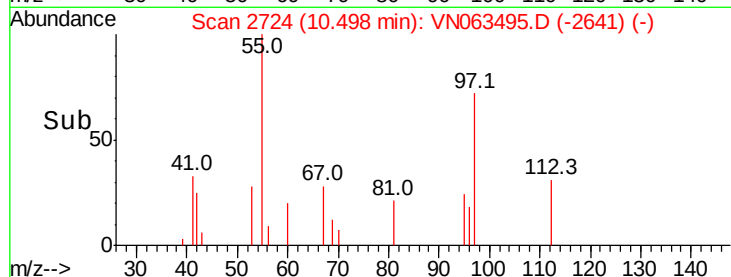
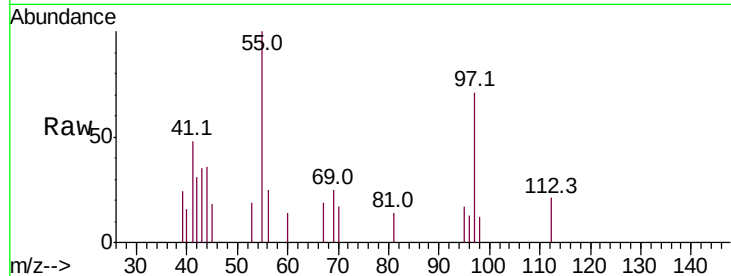




#55
 1,1,2-Trichloroethane
 Concen: 0.569 ug/l
 RT: 10.50 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

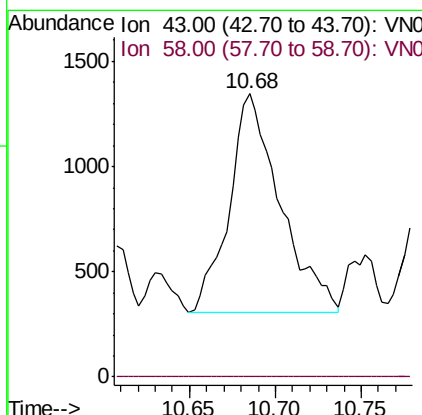
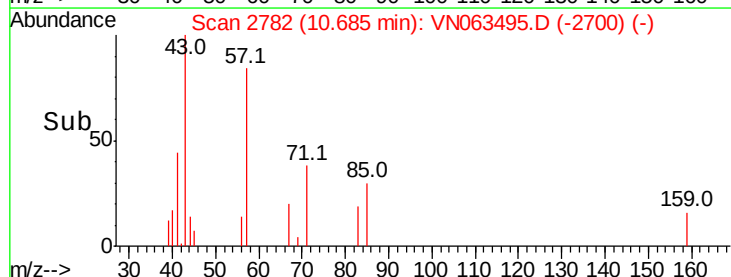
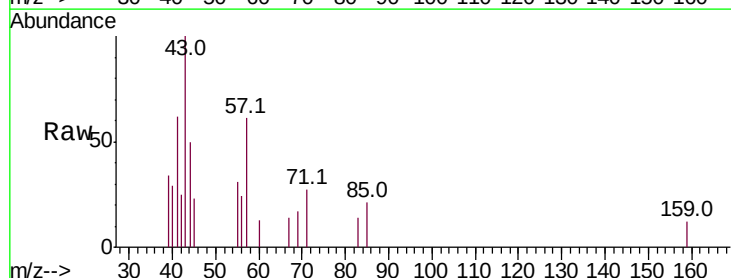
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-02-091520

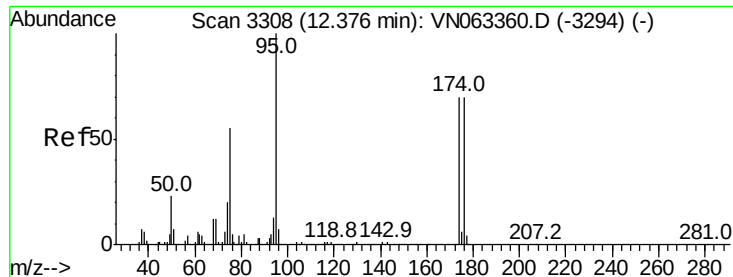
Tot Ion:	97	Resp:	1931
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.9	103.3#
85	0.0	44.8	67.2#
99	0.0	47.8	71.8#



#59
 2-Hexanone
 Concen: 0.607 ug/l
 RT: 10.68 min Scan# 2782
 Delta R.T. -0.04 min
 Lab File: VN063495.D
 Acq: 21 Sep 2020 18:55

Tgt Ion:	43	Resp:	2148
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.7	74.1#





#62

4-Bromofluorobenzene

Concen: 54.629 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

PL-02-091520

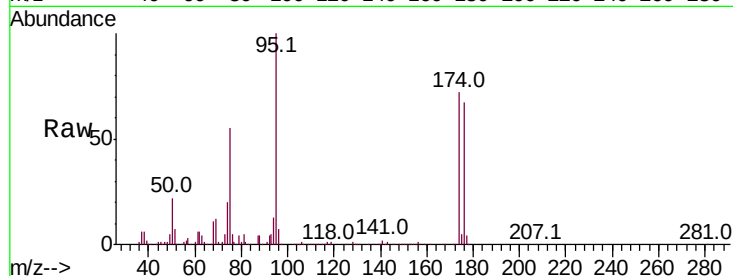
Tot Ion: 95 Resp: 243464

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

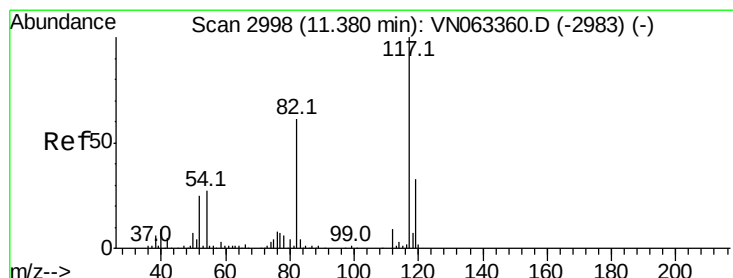
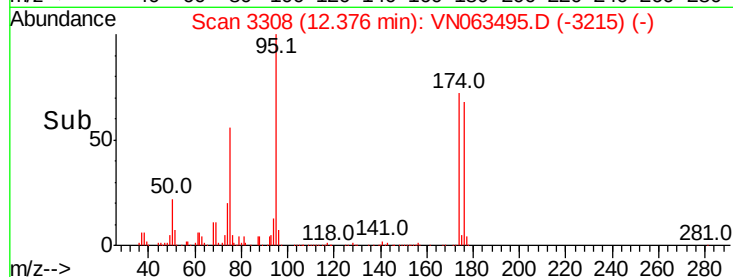
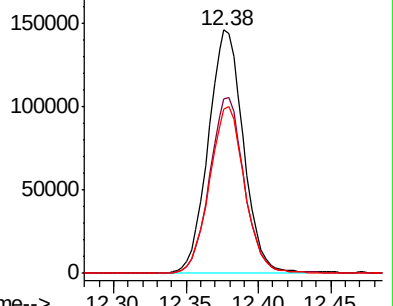
176 69.4 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

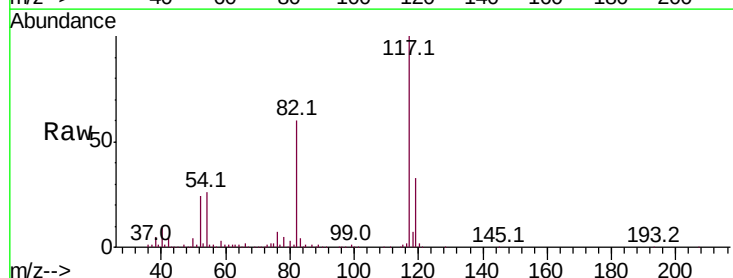
Tgt Ion: 117 Resp: 467800

Ion Ratio Lower Upper

117 100

82 59.9 49.2 73.8

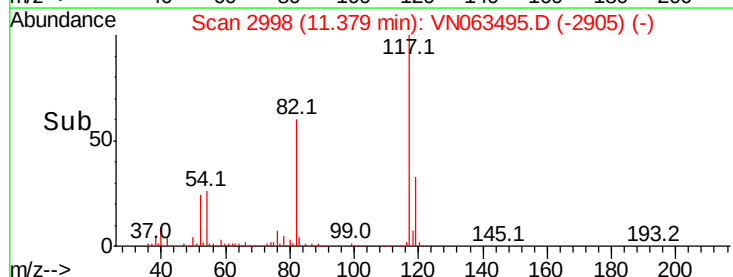
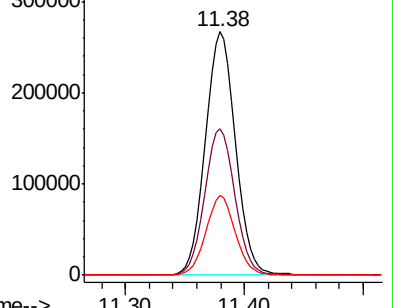
119 32.9 26.2 39.4

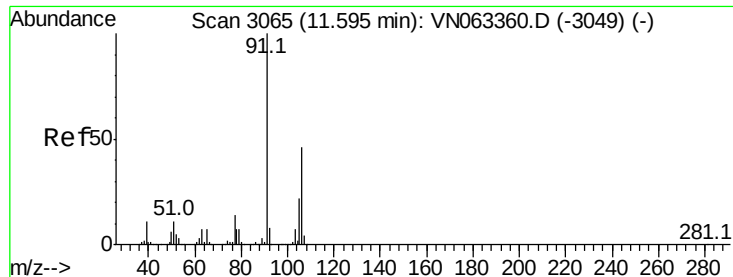


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#68

m/p-Xylenes

Concen: 0.579 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

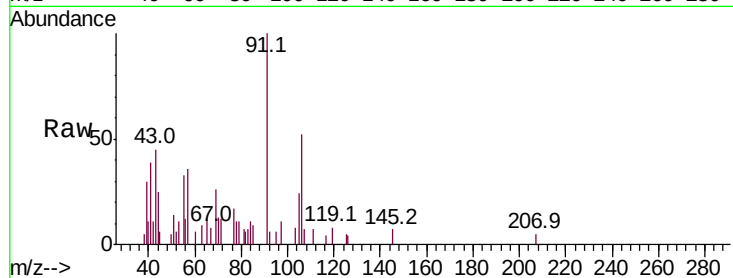
PL-02-091520

Tot Ion:106 Resp: 3906

Ion Ratio Lower Upper

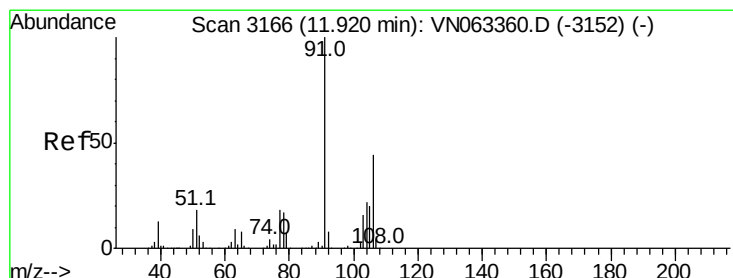
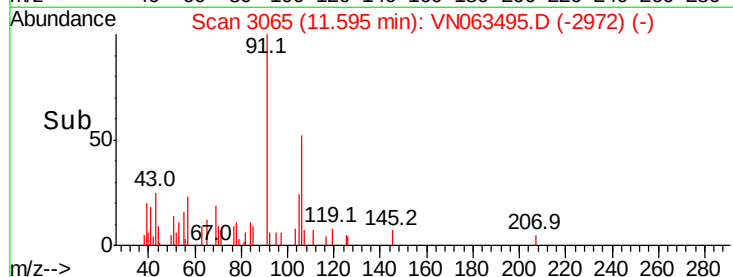
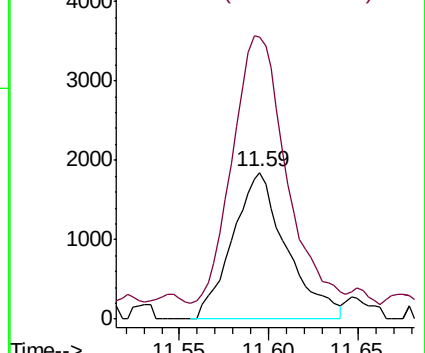
106 100

91 180.2 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.315 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063495.D

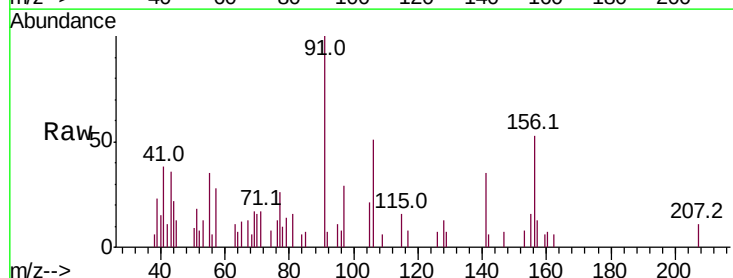
Acq: 21 Sep 2020 18:55

Tgt Ion:106 Resp: 2026

Ion Ratio Lower Upper

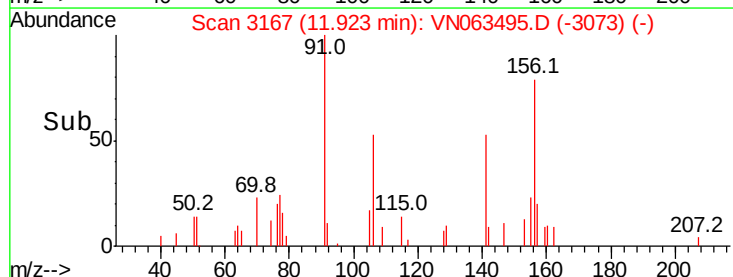
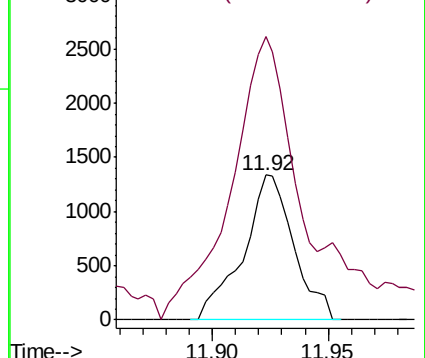
106 100

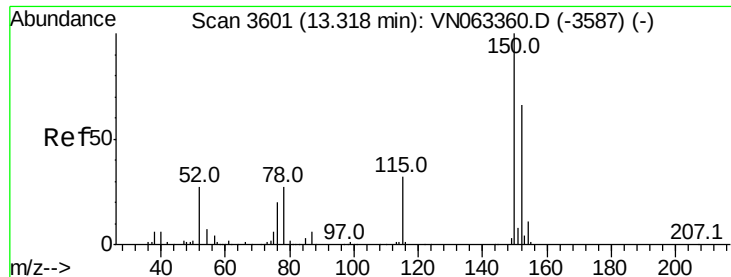
91 236.6 113.6 340.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

PL-02-091520

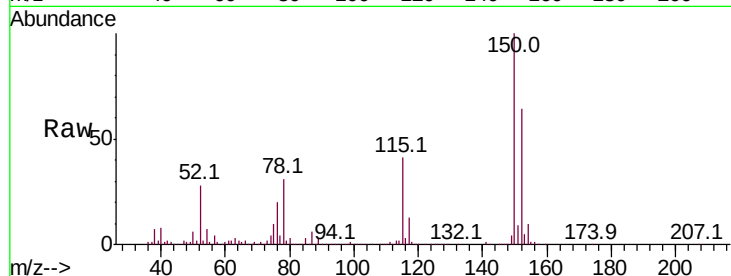
Tot Ion:152 Resp: 217502

Ion Ratio Lower Upper

152 100

115 63.8 32.2 96.6

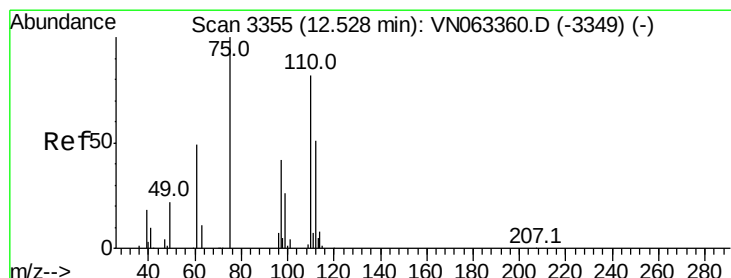
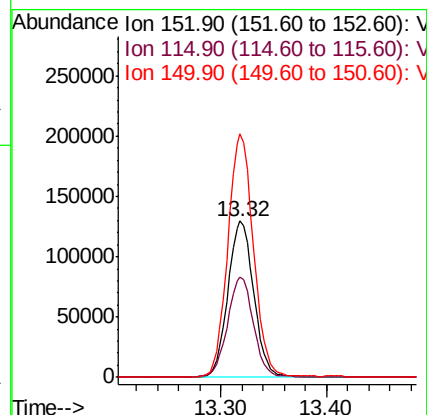
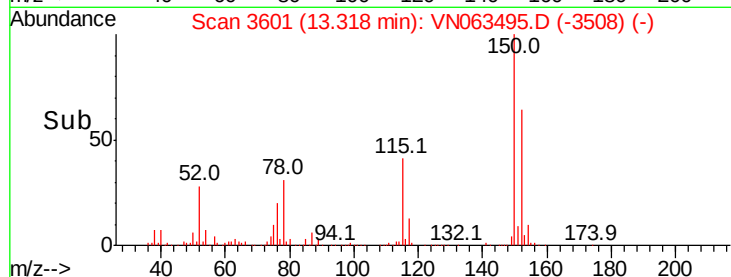
150 155.6 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 25.377 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063495.D

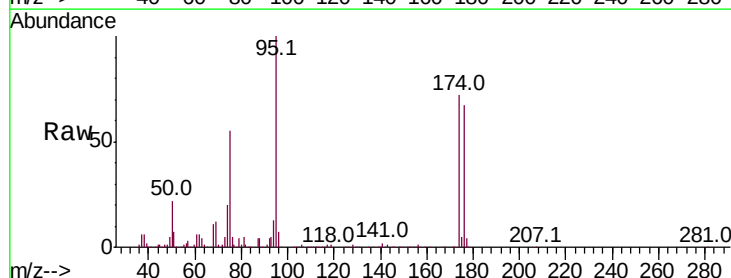
Acq: 21 Sep 2020 18:55

Tgt Ion: 75 Resp: 136617

Ion Ratio Lower Upper

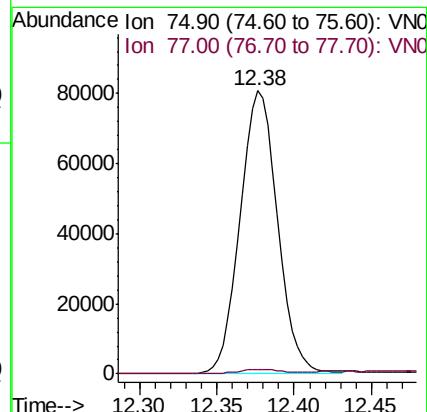
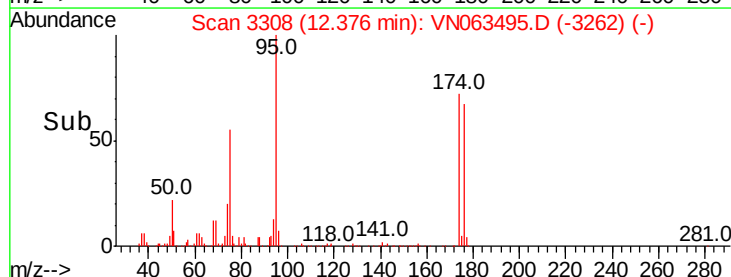
75 100

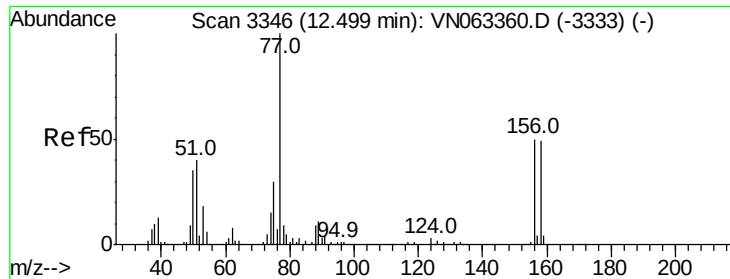
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.203 ug/l

RT: 12.46 min Scan# 3334

Delta R.T. -0.04 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

PL-02-091520

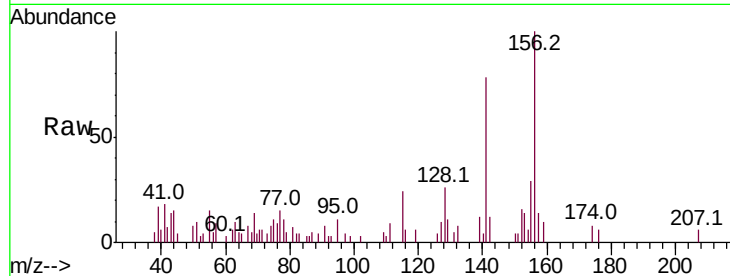
Tot Ion:156 Resp: 797

Ion Ratio Lower Upper

156 100

77 21.3 120.2 360.6#

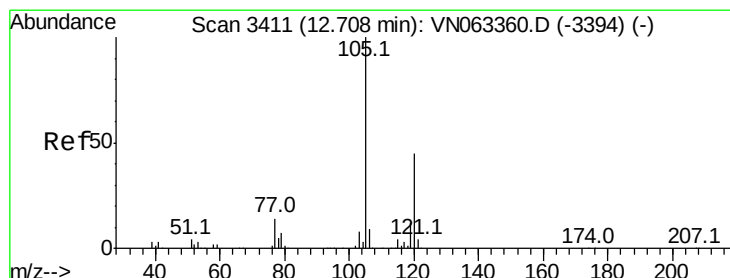
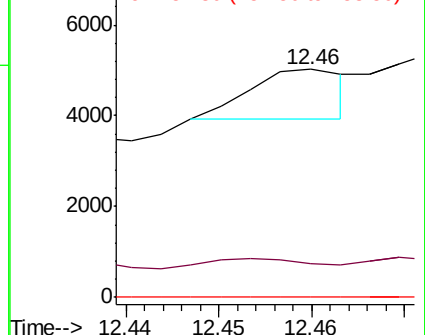
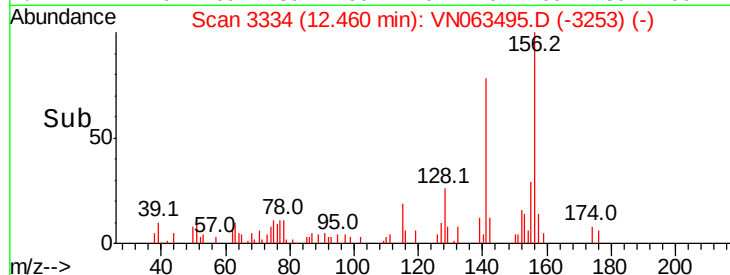
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.220 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063495.D

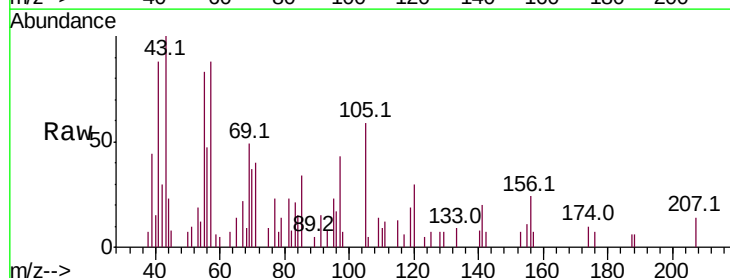
Acq: 21 Sep 2020 18:55

Tgt Ion:105 Resp: 3202

Ion Ratio Lower Upper

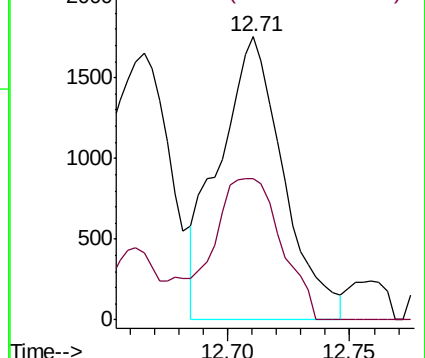
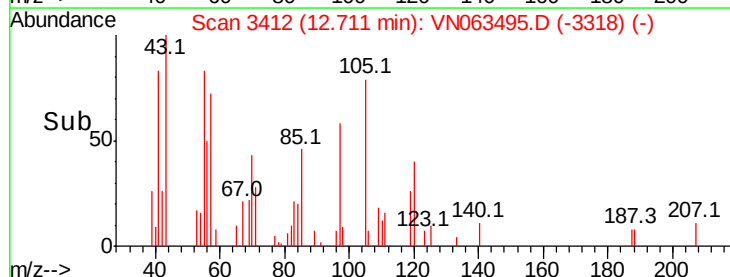
105 100

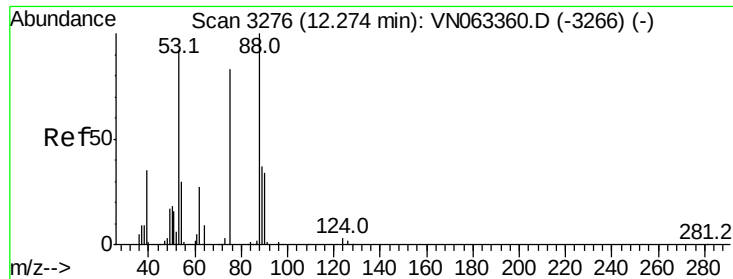
120 51.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.574 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

PL-02-091520

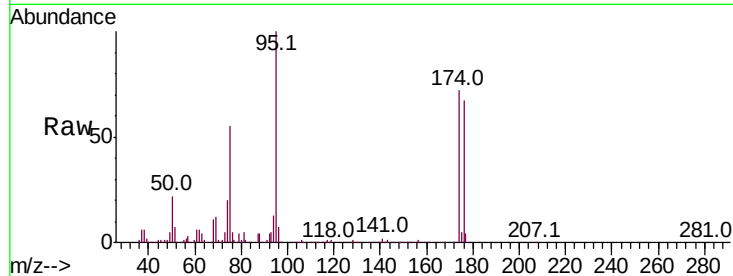
Tot Ion: 75 Resp: 136617

Ion Ratio Lower Upper

75 100

53 0.2 85.7 128.5#

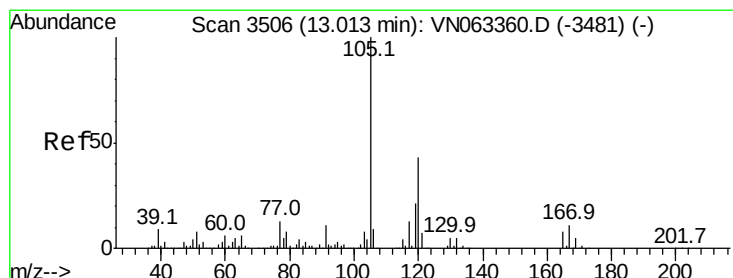
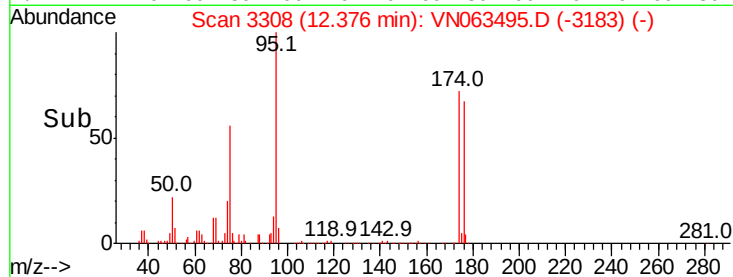
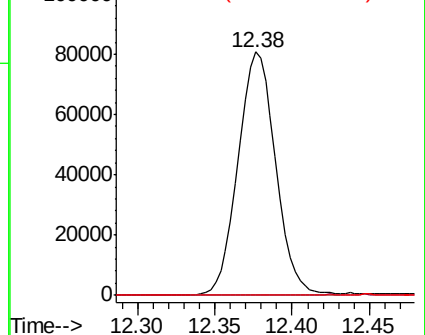
89 0.1 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.333 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN063495.D

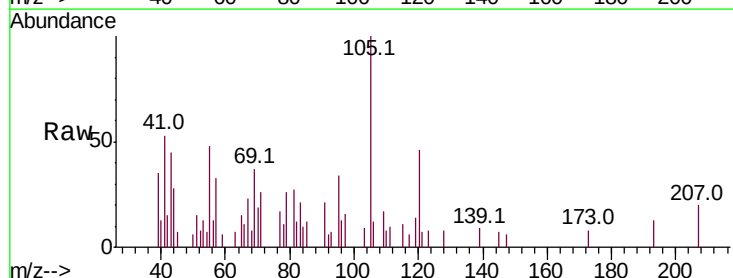
Acq: 21 Sep 2020 18:55

Tgt Ion: 105 Resp: 4888

Ion Ratio Lower Upper

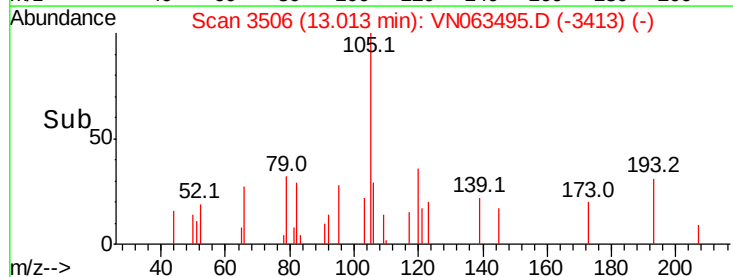
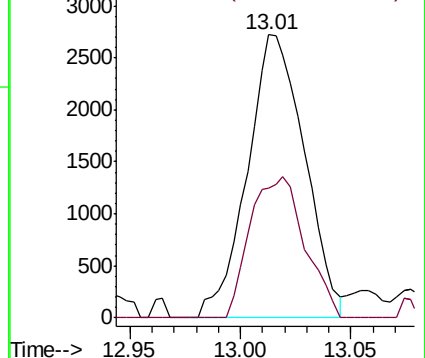
105 100

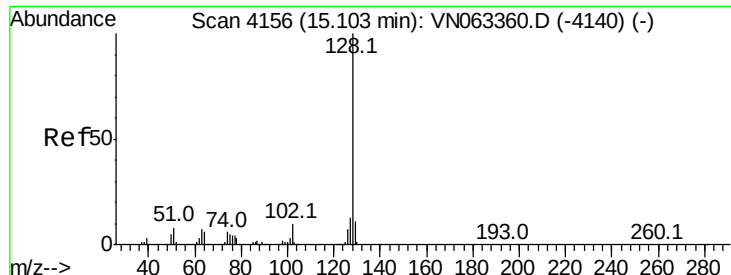
120 47.5 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.166 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063495.D

Acq: 21 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

PL-02-091520

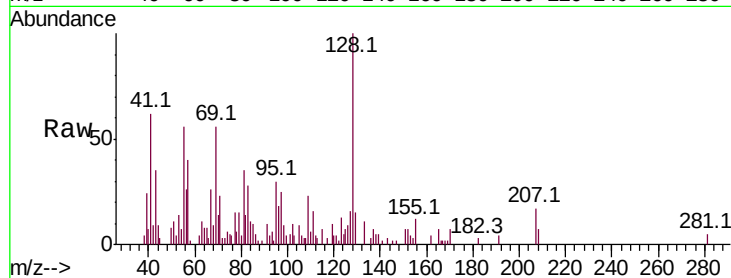
Tot Ion:128 Resp: 16206

Ion Ratio Lower Upper

128 100

127 22.6 10.6 15.8#

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

