

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\
 Data File : VN063314.D
 Acq On : 11 Sep 2020 15:06
 Operator : JC/MD
 Sample : L3988-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 00:41:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	375703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	703783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	680141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	296560	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	287576	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	7.55	113	219845	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.06	98	895801	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.38	95	340247	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1942	Below Cal		92
5) Bromomethane	2.55	94	1036	0.291	ug/l #	64
6) Chloroethane	2.68	64	1113	0.333	ug/l #	72
13) Acrolein	3.58	56	35	32.529	ug/l #	14
16) Acetone	3.78	43	5458	2.678	ug/l #	78
17) Carbon Disulfide	4.01	76	396	Below Cal	#	1
18) Methyl Acetate	4.49	43	36797	7.182	ug/l #	54
20) Methylene Chloride	4.50	84	861	Below Cal	#	76
31) Cyclohexane	7.61	56	30923	3.735	ug/l #	79
36) 1,1-Dichloropropene	7.62	75	33641	4.650	ug/l #	52
38) Carbon Tetrachloride	7.63	117	40709	5.718	ug/l #	16
39) Methylcyclohexane	9.05	83	73582	9.324	ug/l	97
40) Benzene	8.01	78	6487	0.314	ug/l #	89
43) Isopropyl Acetate	8.11	43	35007	2.905	ug/l #	63
44) Trichloroethene	8.80	130	2148	0.398	ug/l	93
48) Methyl methacrylate	9.12	41	1958	0.340	ug/l #	13
49) 1,4-Dioxane	9.17	88	104	1.168	ug/l #	65
51) 4-Methyl-2-Pentanone	9.96	43	1334	0.201	ug/l #	75
55) 1,1,2-Trichloroethane	10.50	97	35492	7.180	ug/l #	19
56) Ethyl methacrylate	10.41	69	20521	2.730	ug/l #	4
60) Dibromochloromethane	10.60	129	1622	0.299	ug/l #	10
64) Tetrachloroethene	10.60	164	1592	0.286	ug/l #	89
65) Chlorobenzene	11.41	112	3056	0.209	ug/l	89
67) Ethyl Benzene	11.49	91	1379874	52.493	ug/l	100
68) m/p-Xylenes	11.59	106	12930	1.330	ug/l #	1
69) o-Xylene	11.92	106	4645	0.498	ug/l	100
73) Isopropylbenzene	12.23	105	499464	20.880	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	186159	28.454	ug/l #	100
78) n-propylbenzene	12.57	91	634859	23.363	ug/l	99
79) 2-Chlorotoluene	12.57	91	634859	37.996	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.71	105	126975	6.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	6728	2.763	ug/l #	64
82) 4-Chlorotoluene	12.57	91	634859	36.247	ug/l #	43
83) tert-Butylbenzene	12.97	119	28664	1.702	ug/l	93

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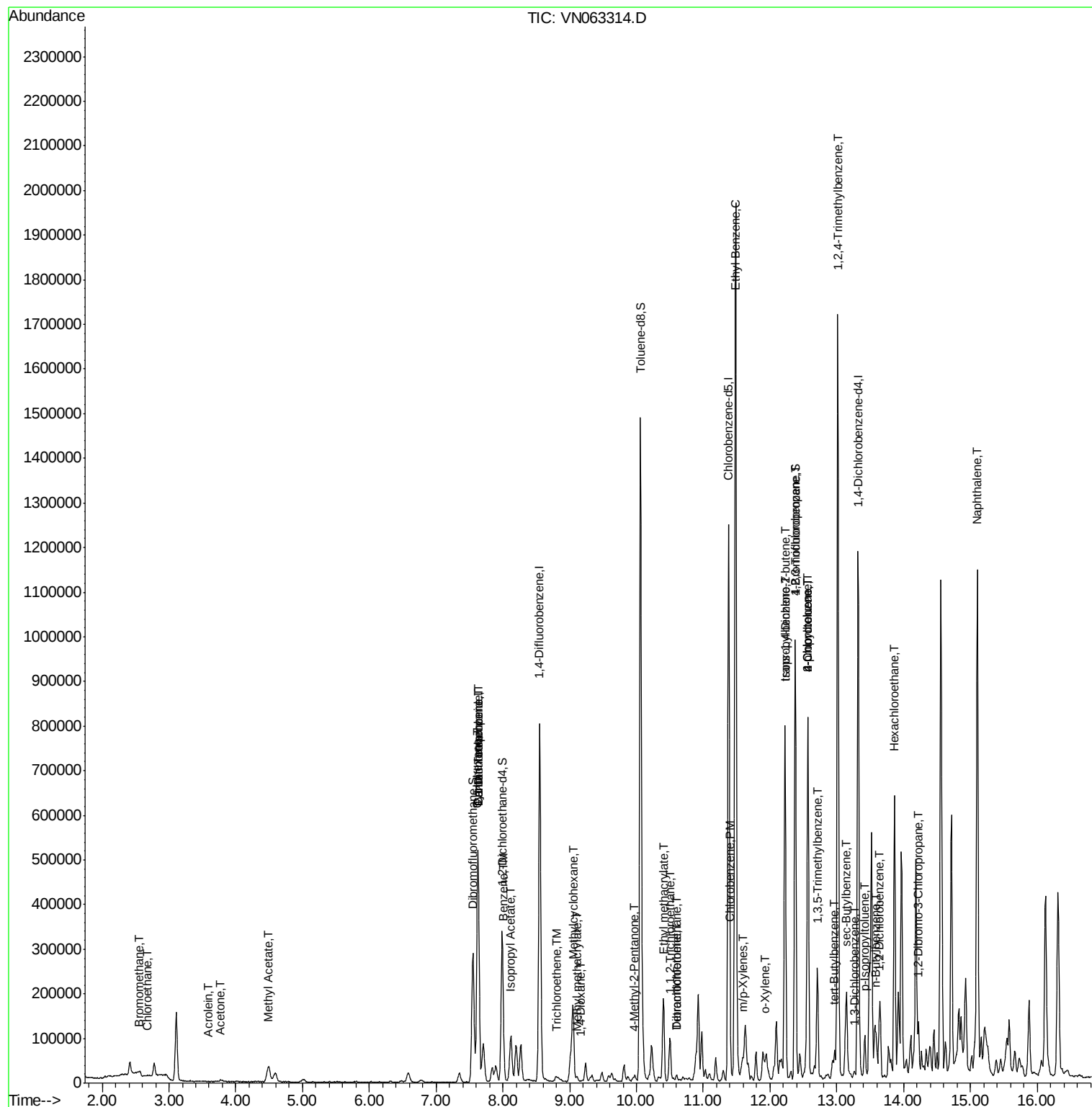
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.02	105	942818	47.093	ug/l	99
85) sec-Butylbenzene	13.15	105	117872	5.500	ug/l #	77
86) p-Isopropyltoluene	13.42	119	51249	2.608	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	2758	0.274	ug/l	91
88) 1,4-Dichlorobenzene	13.26	146	2758	Below Cal		91
89) n-Butylbenzene	13.59	91	60666	3.420	ug/l #	76
90) Hexachloroethane	13.86	117	31934	9.881	ug/l #	16
91) 1,2-Dichlorobenzene	13.63	146	18915	1.904	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	355	0.228	ug/l #	8
95) Naphthalene	15.11	128	925286	52.965	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63	Below Cal	#	1

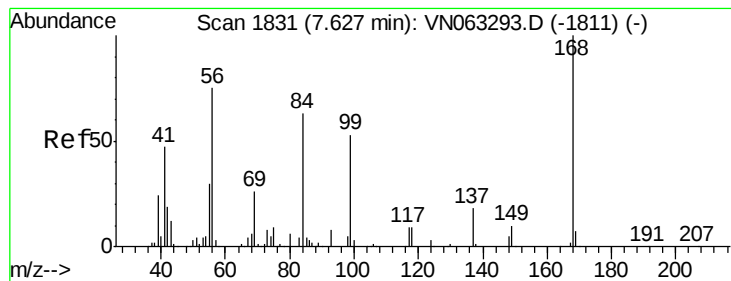
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

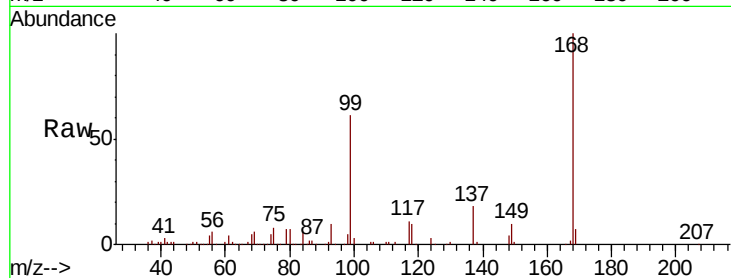
ClientSampled :

Tot Ion:168 Resp: 375703

Ion Ratio Lower Upper

168 100

99 61.2 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

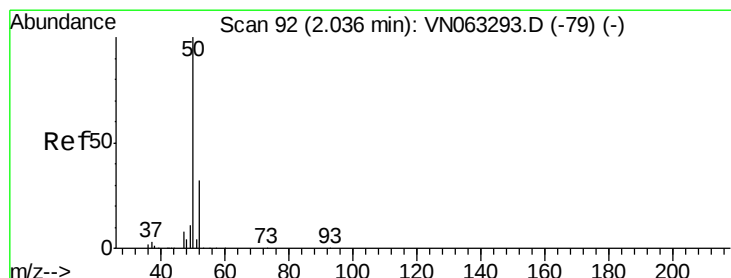
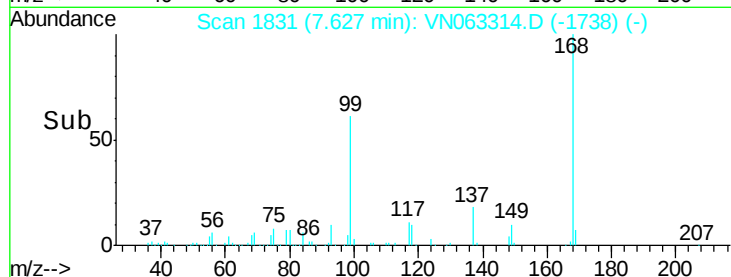
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063314.D

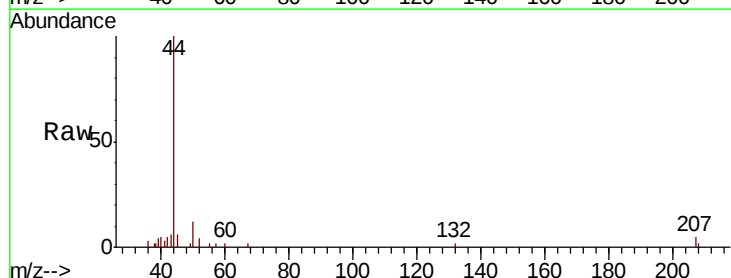
Acq: 11 Sep 2020 15:06

Tgt Ion: 50 Resp: 1942

Ion Ratio Lower Upper

50 100

52 36.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

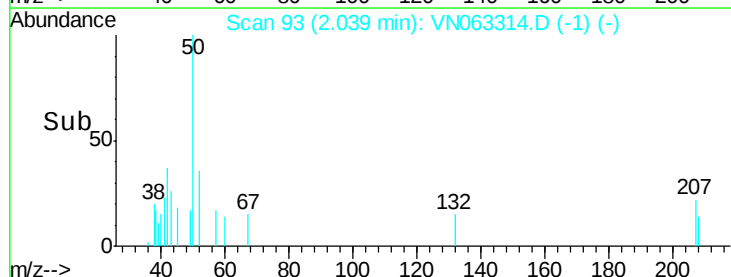
600

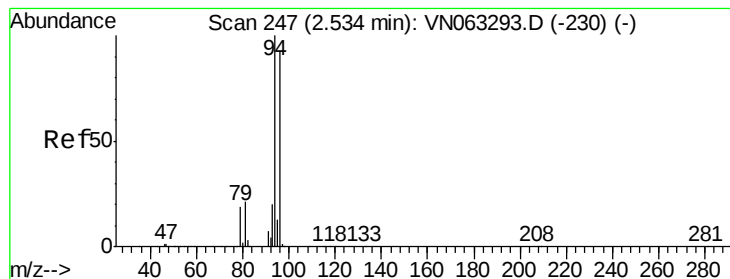
400

200

0

Time-->





#5

Bromomethane

Concen: 0.291 ug/l

RT: 2.55 min Scan# 253

Delta R.T. 0.02 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

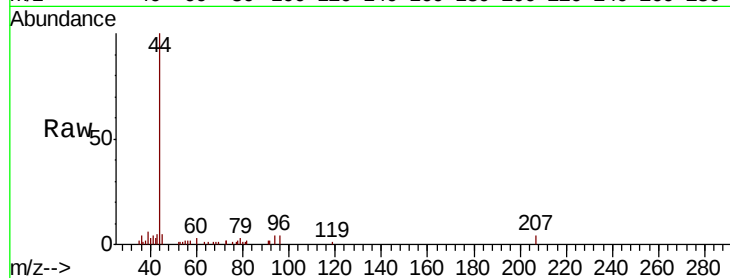
ClientSampleId :

Tot Ion: 94 Resp: 1036

Ion Ratio Lower Upper

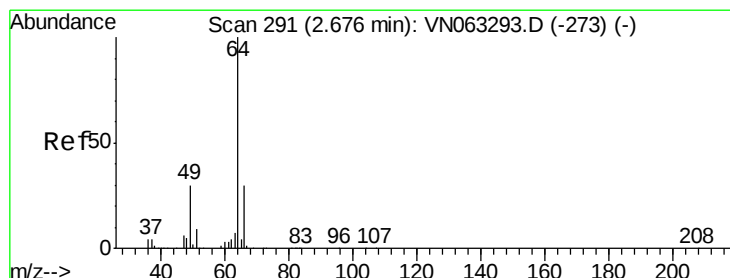
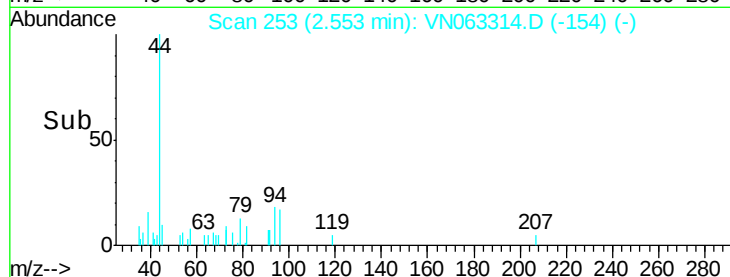
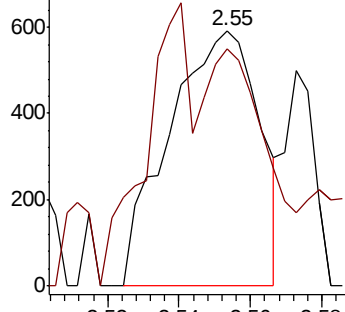
94 100

96 58.1 74.3 111.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.333 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN063314.D

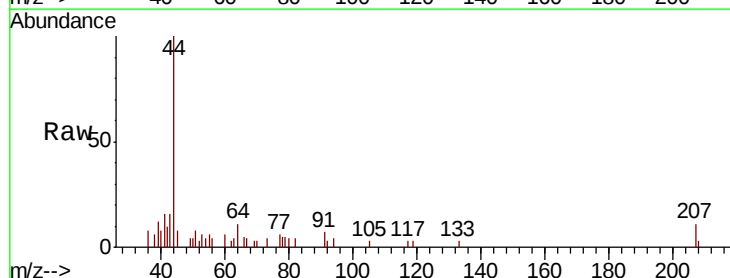
Acq: 11 Sep 2020 15:06

Tgt Ion: 64 Resp: 1113

Ion Ratio Lower Upper

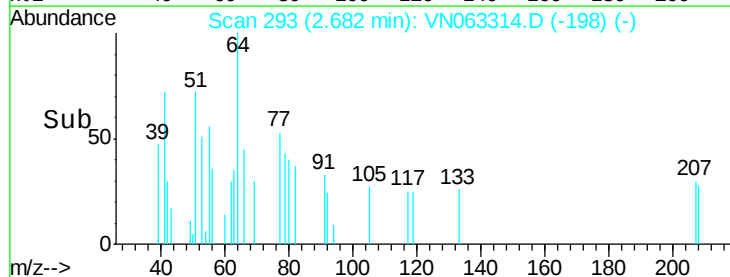
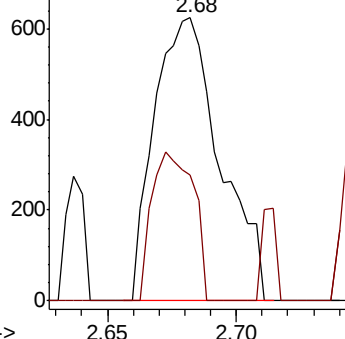
64 100

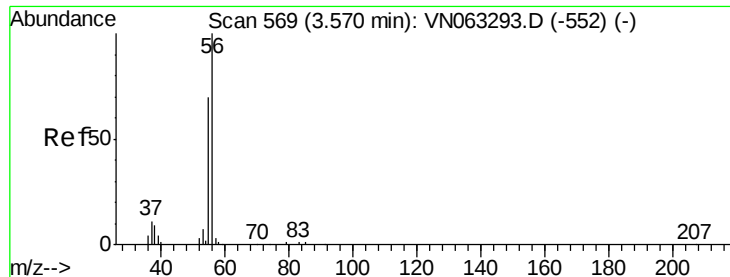
66 44.6 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#13

Acrolein

Concen: 32.529 ug/l

RT: 3.58 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

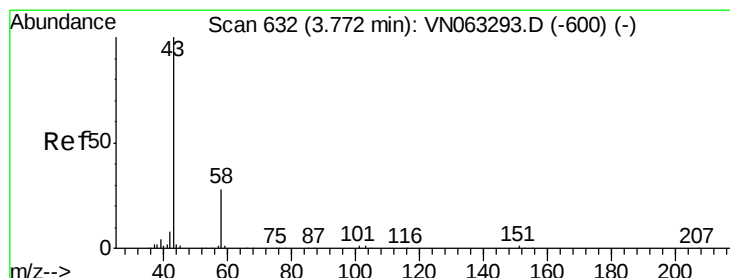
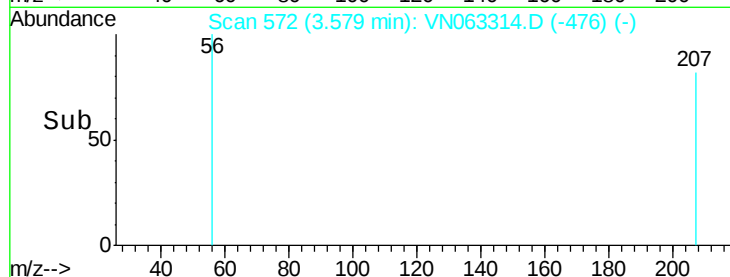
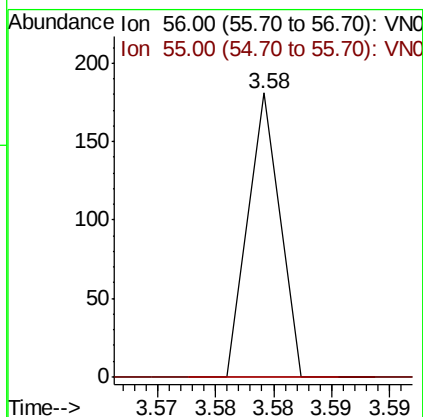
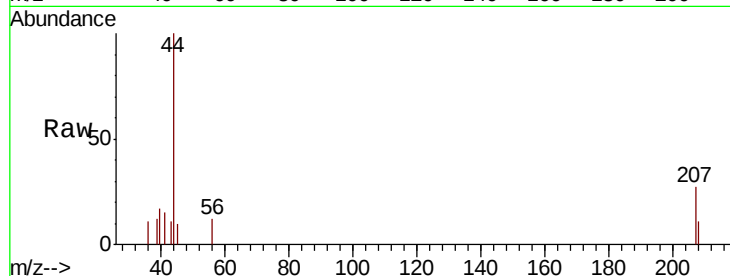
ClientSampled :

Tot Ion: 56 Resp: 35

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#16

Acetone

Concen: 2.678 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063314.D

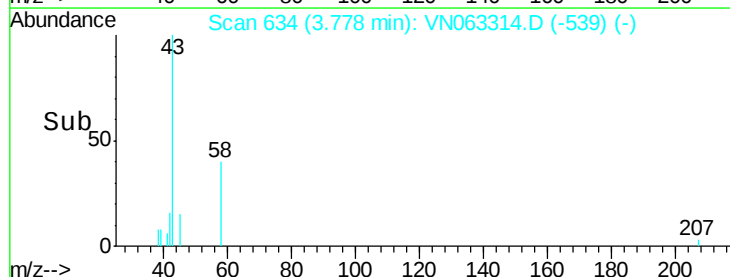
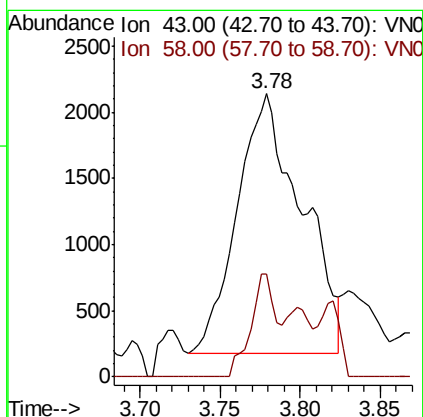
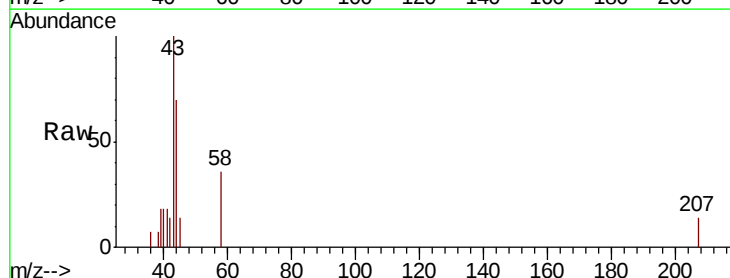
Acq: 11 Sep 2020 15:06

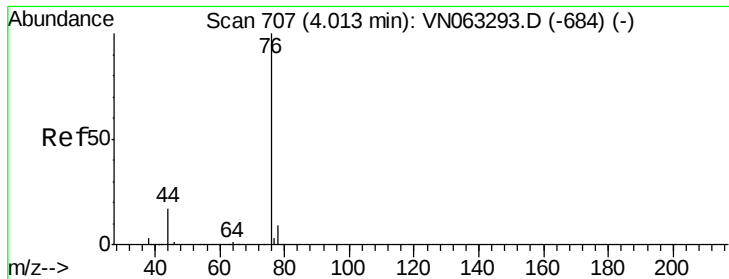
Tgt Ion: 43 Resp: 5458

Ion Ratio Lower Upper

43 100

58 39.8 22.6 34.0#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

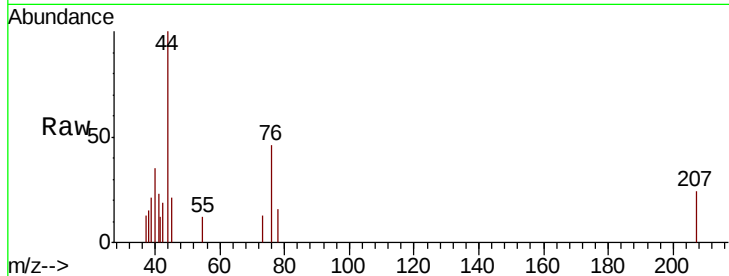
ClientSampleId :

Tot Ion: 76 Resp: 396

Ion Ratio Lower Upper

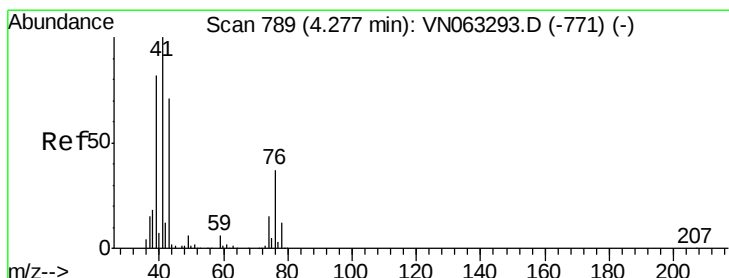
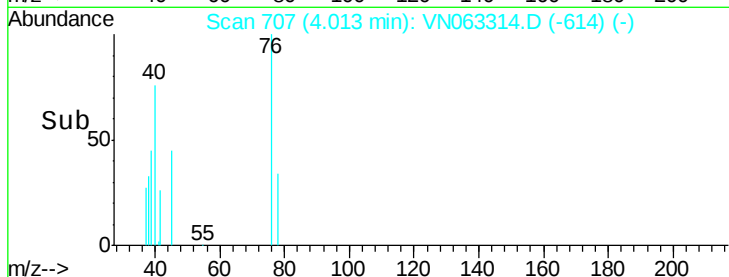
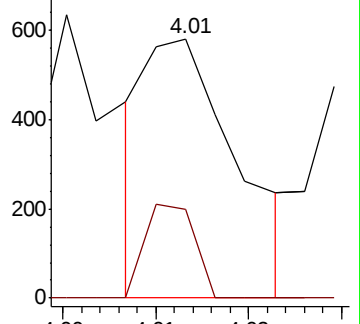
76 100

78 58.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 7.182 ug/l

RT: 4.49 min Scan# 855

Delta R.T. 0.21 min

Lab File: VN063314.D

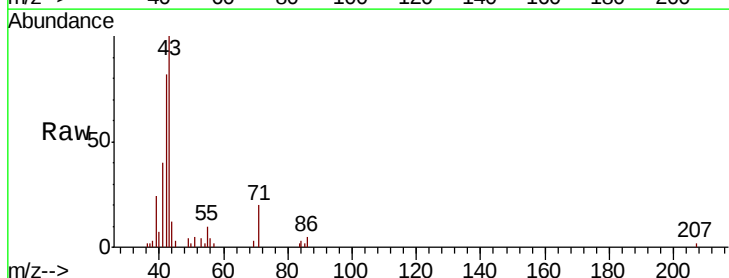
Acq: 11 Sep 2020 15:06

Tgt Ion: 43 Resp: 36797

Ion Ratio Lower Upper

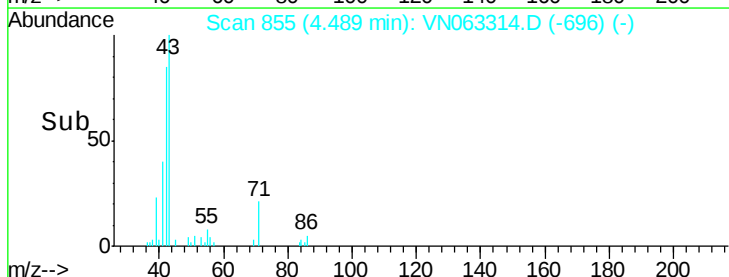
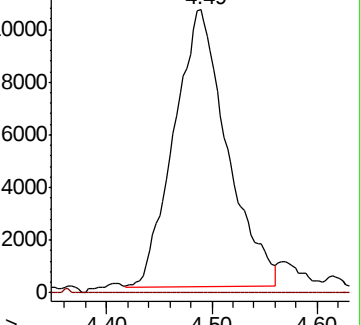
43 100

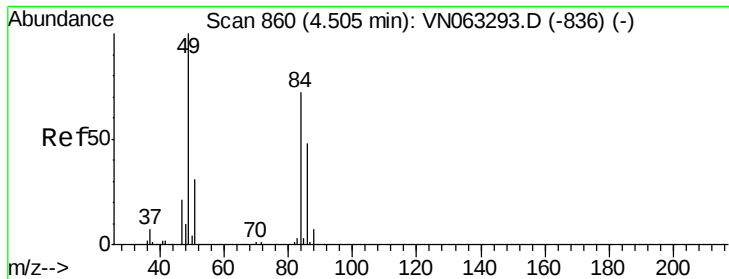
74 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 858

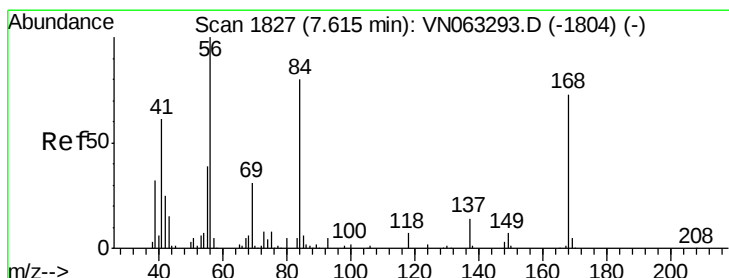
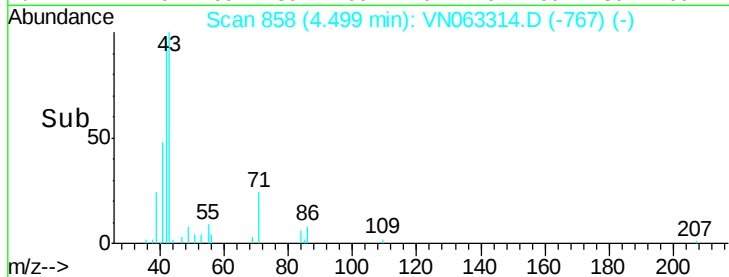
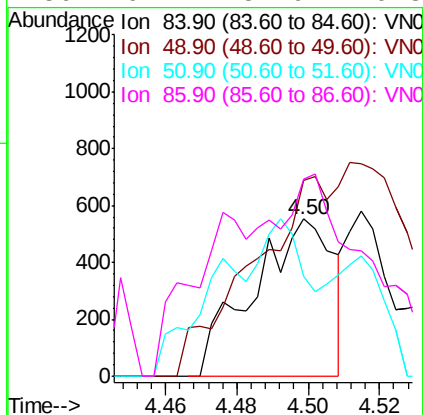
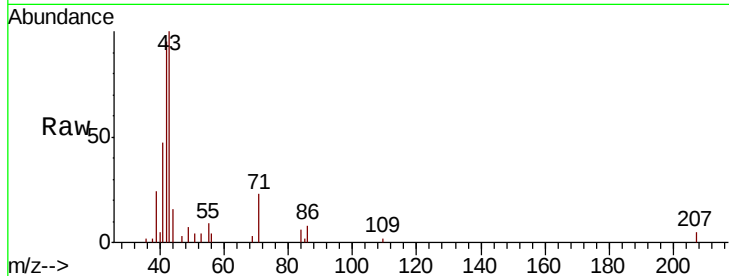
Delta R.T. -0.01 min

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ClientSampled :

Tot Ion:	84	Resp:	861
Ion	Ratio	Lower	Upper
84	100		
49	93.9	111.1	166.7#
51	33.8	34.3	51.5#
86	67.1	52.9	79.3



#31

Cyclohexane

Concen: 3.735 ug/l

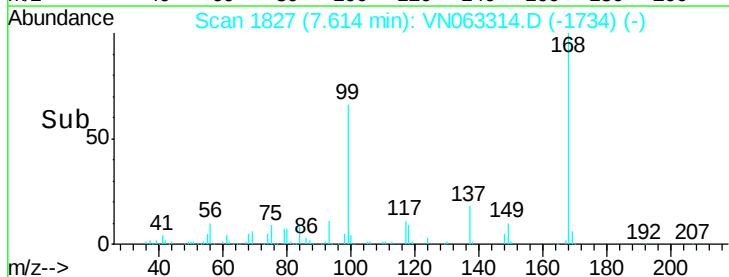
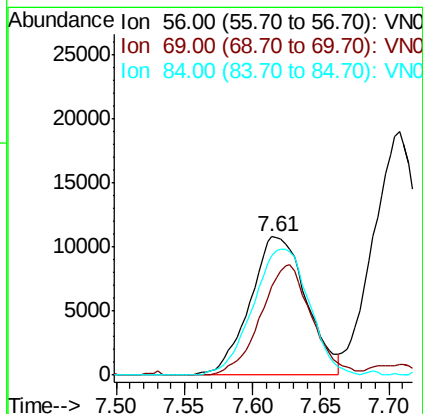
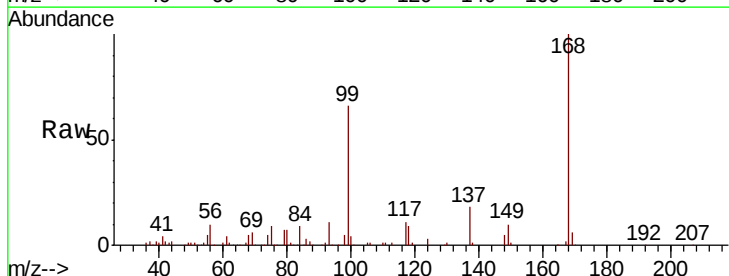
RT: 7.61 min Scan# 1827

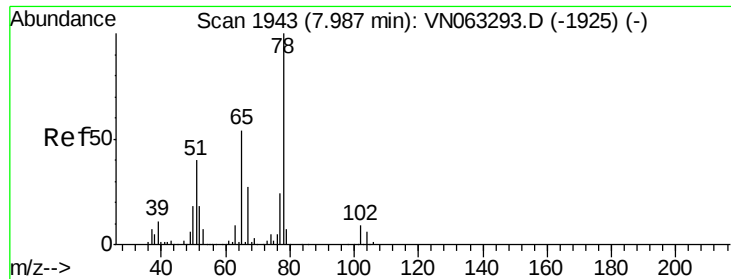
Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Tgt Ion:	56	Resp:	30923
Ion	Ratio	Lower	Upper
56	100		
69	63.6	25.1	37.7#
84	86.3	64.2	96.2





#33

1,2-Dichloroethane-d4

Concen: 48.719 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

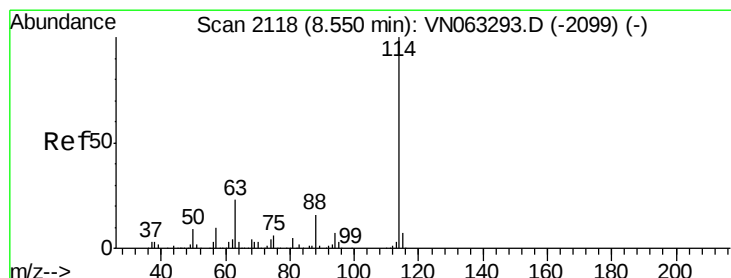
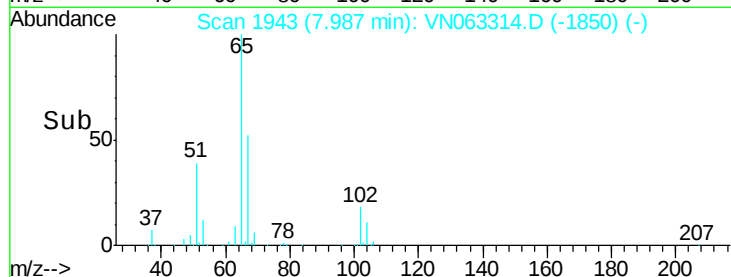
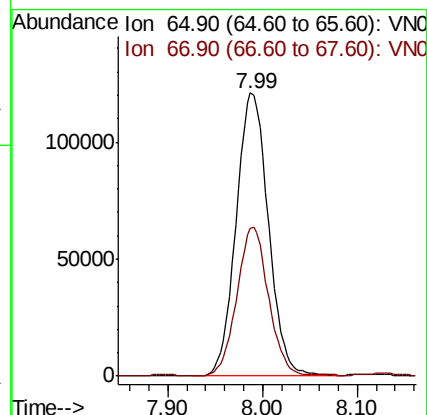
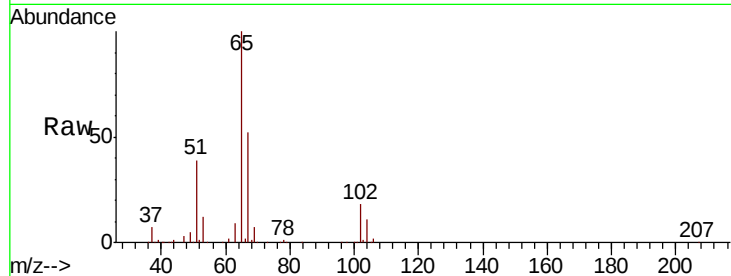
ClientSampled :

Tot Ion: 65 Resp: 287576

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

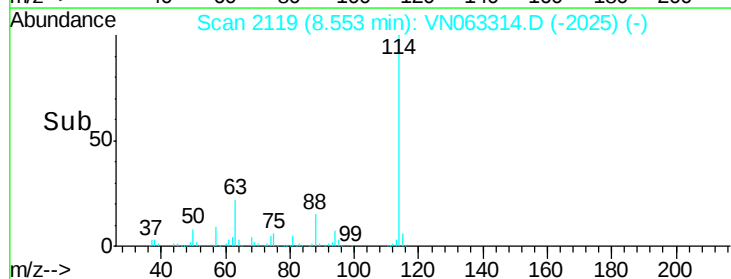
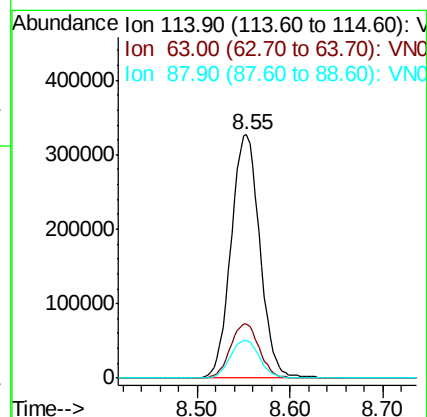
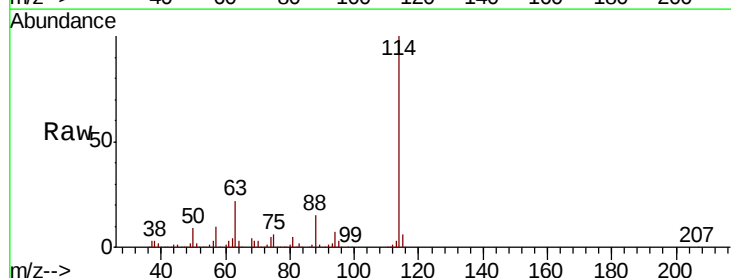
Tgt Ion: 114 Resp: 703783

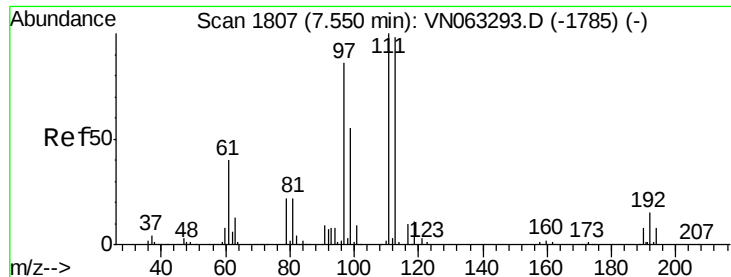
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.0

88 15.4 0.0 32.8

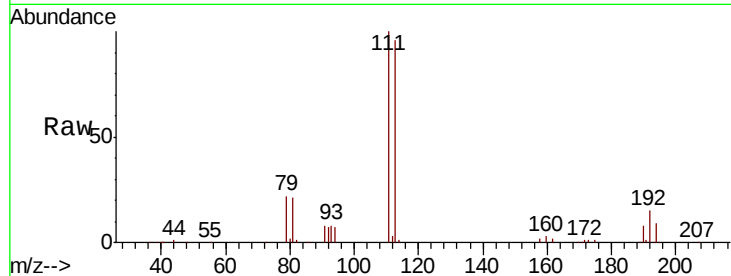




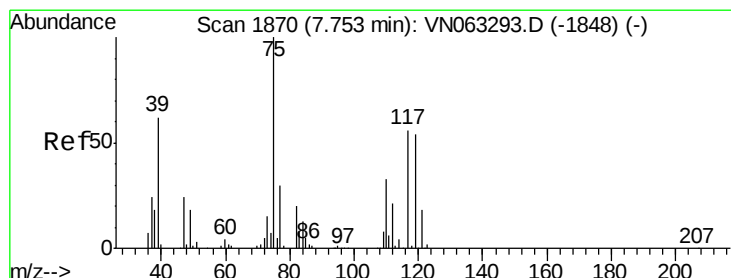
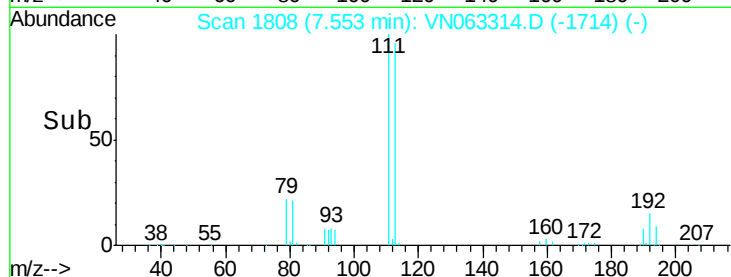
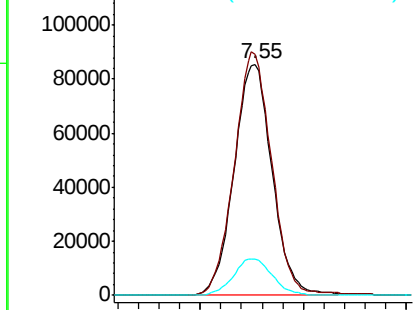
#35
 Dibromofluoromethane
 Concen: 48.421 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	16.3	12.9	19.3

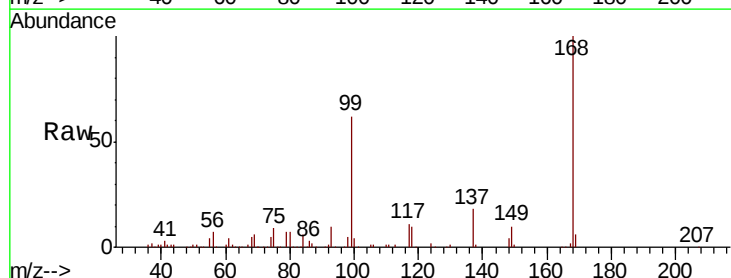


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

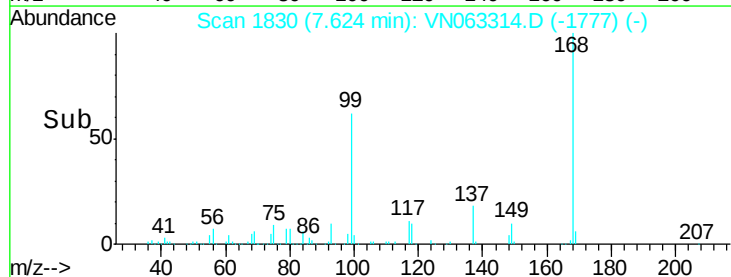
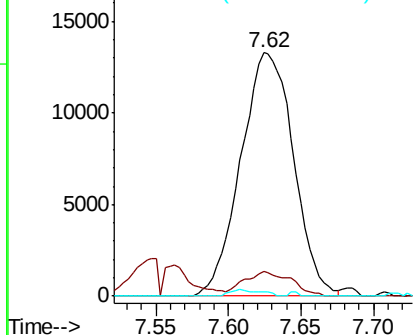


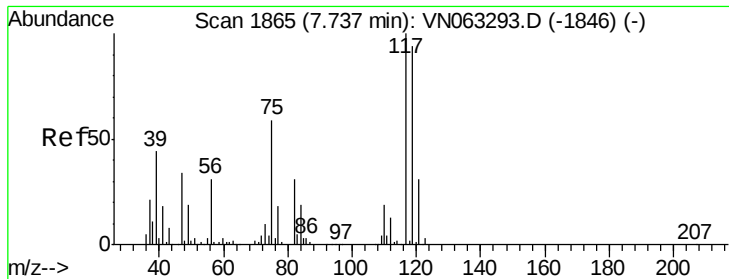
#36
 1,1-Dichloropropene
 Concen: 4.650 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.4	49.4#
77	1.5	24.8	37.2#



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

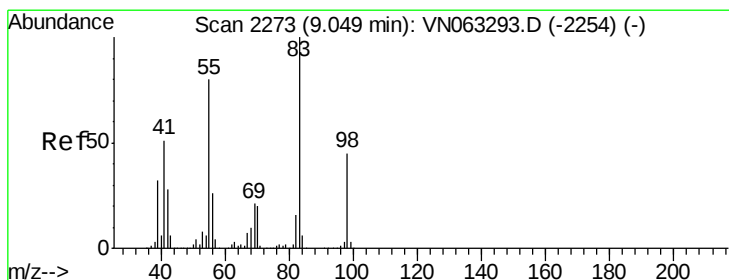
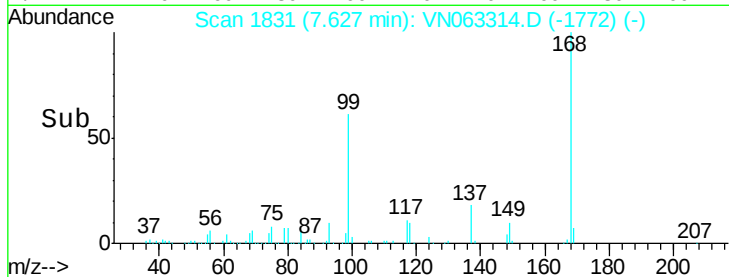
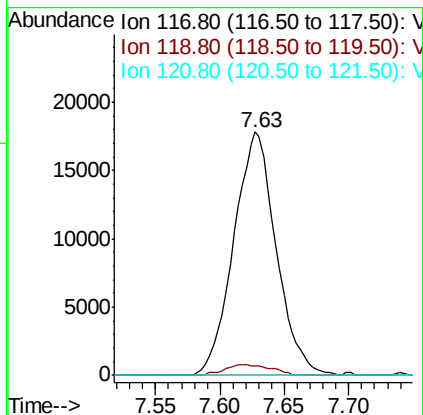
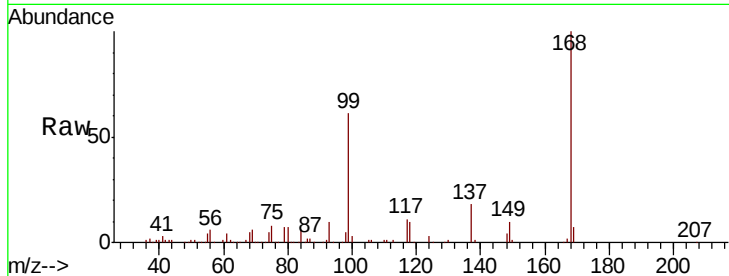




#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

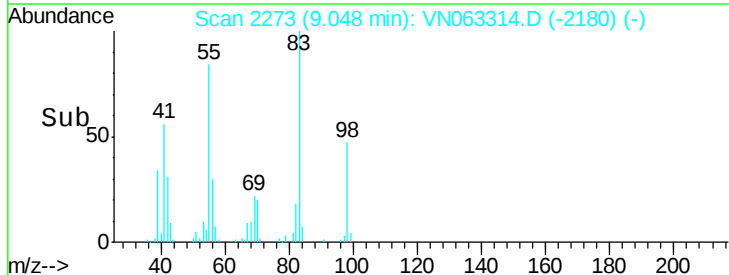
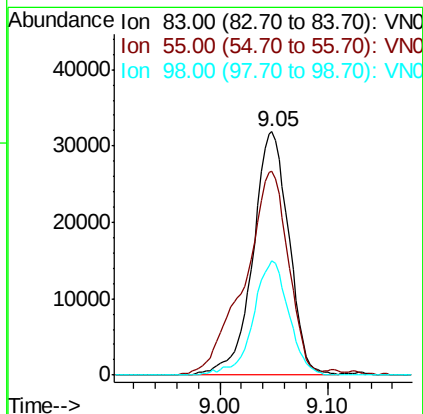
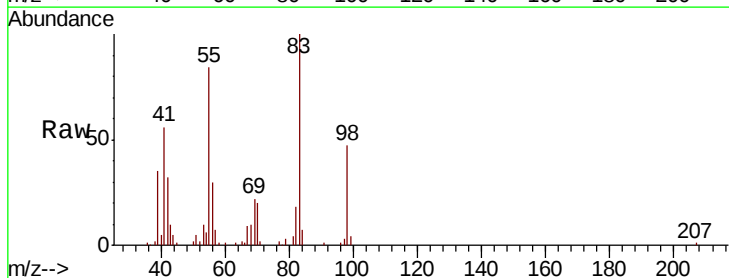
Instrument :
MSVOA_N
ClientSampled :

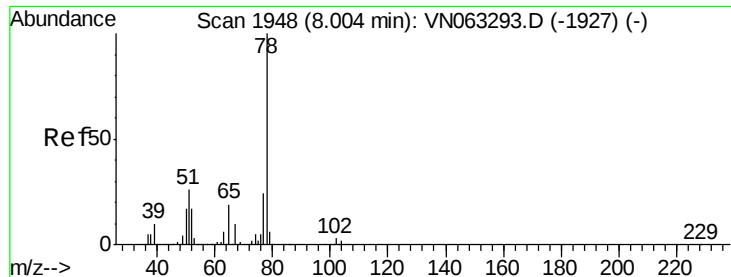
Tot Ion:117 Resp: 40709
Ion Ratio Lower Upper
117 100
119 3.7 75.3 112.9#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 9.324 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion: 83 Resp: 73582
Ion Ratio Lower Upper
83 100
55 82.6 64.0 96.0
98 46.9 36.4 54.6





#40

Benzene

Concen: 0.314 ug/l

RT: 8.01 min Scan# 1950

Delta R.T. 0.01 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

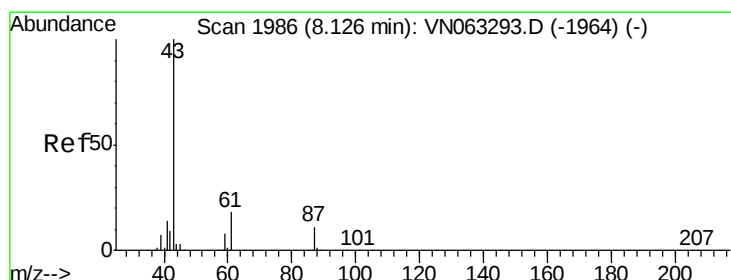
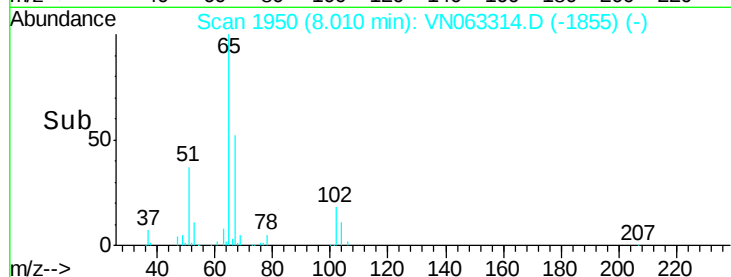
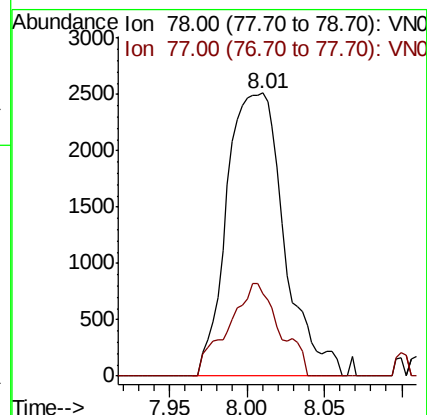
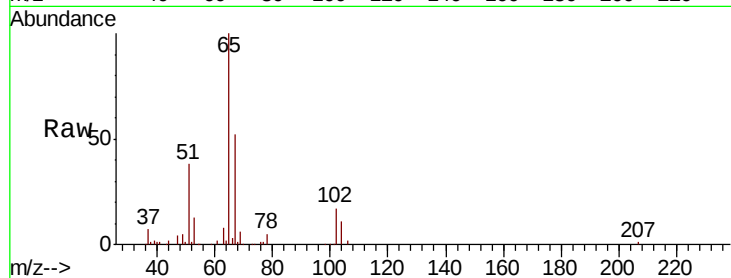
ClientSampleId :

Tot Ion: 78 Resp: 6487

Ion Ratio Lower Upper

78 100

77 28.9 18.8 28.2#



#43

Isopropyl Acetate

Concen: 2.905 ug/l

RT: 8.11 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

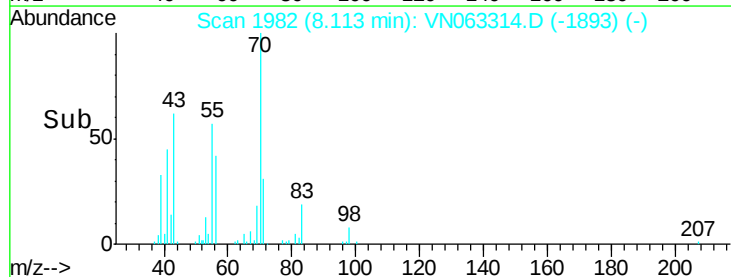
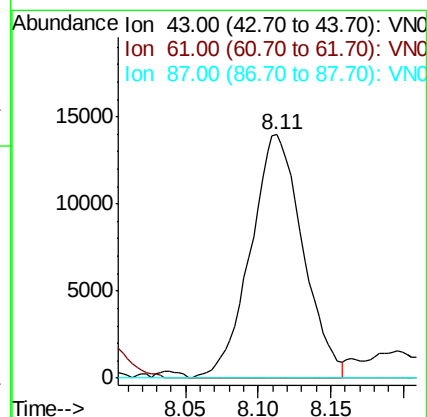
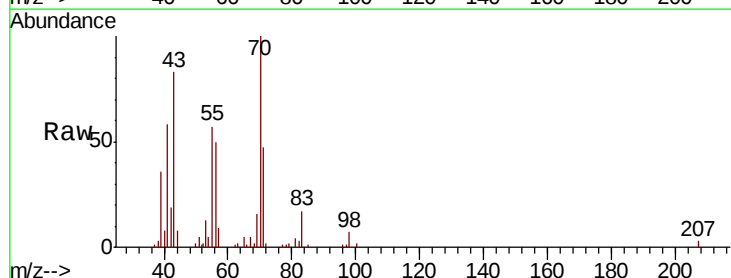
Tgt Ion: 43 Resp: 35007

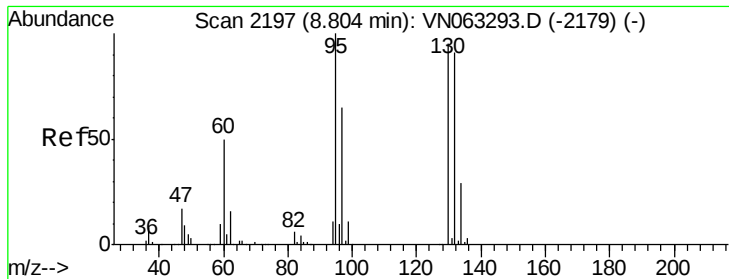
Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

87 0.0 9.2 13.8#





#44

Trichloroethene

Concen: 0.398 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

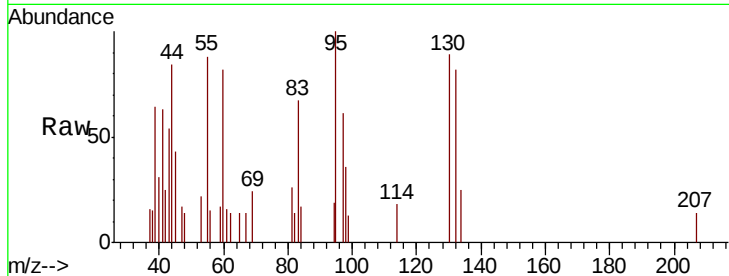
ClientSampled :

Tot Ion:130 Resp: 2148

Ion Ratio Lower Upper

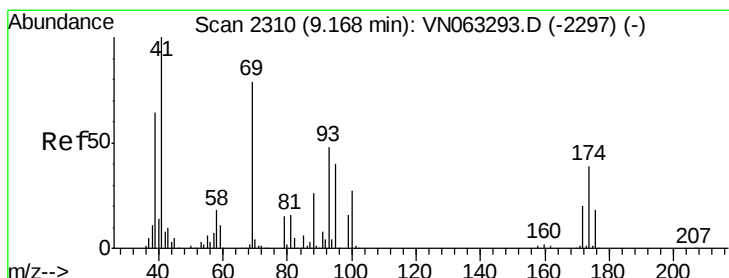
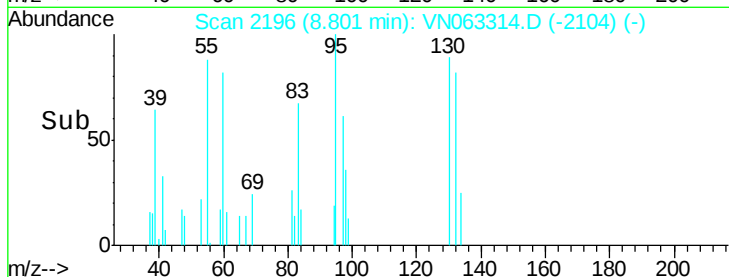
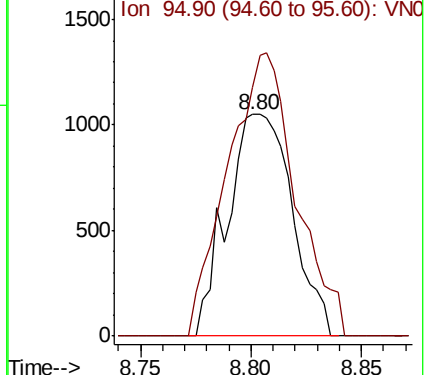
130 100

95 112.3 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#48

Methyl methacrylate

Concen: 0.340 ug/l

RT: 9.12 min Scan# 2294

Delta R.T. -0.05 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

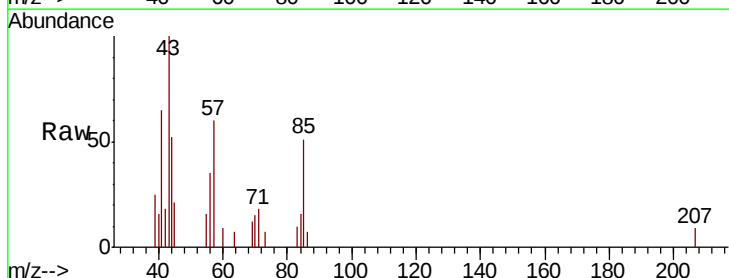
Tgt Ion: 41 Resp: 1958

Ion Ratio Lower Upper

41 100

69 0.0 63.6 95.4#

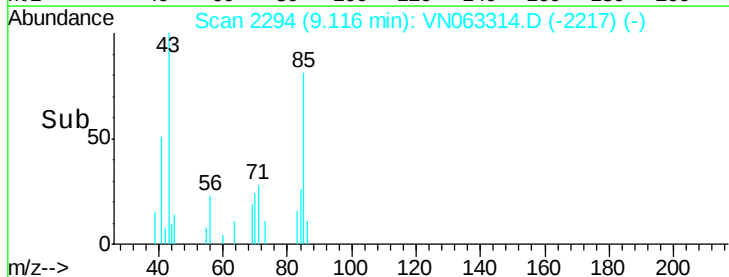
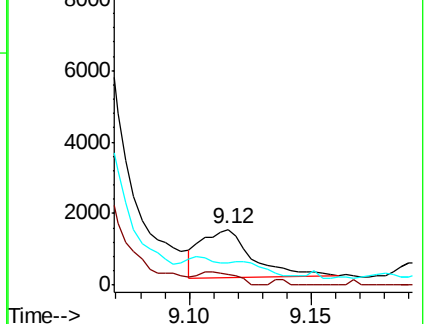
39 0.0 53.2 79.8#

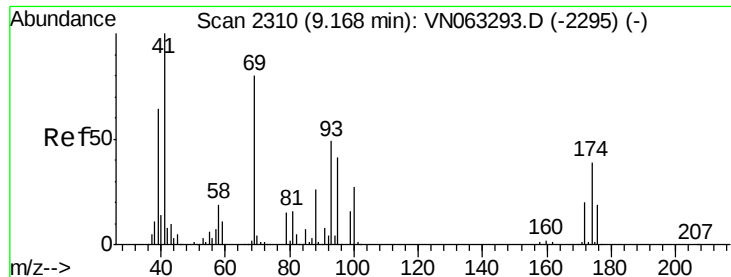


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 1.168 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :

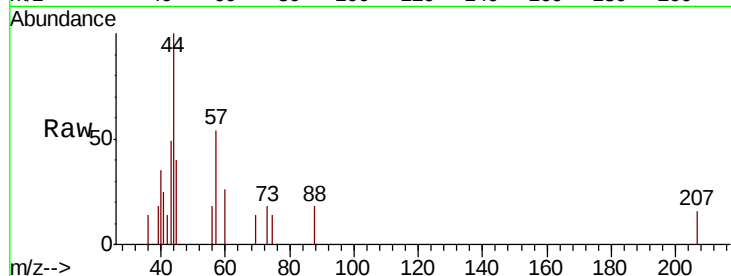
Tot Ion: 88 Resp: 104

Ion Ratio Lower Upper

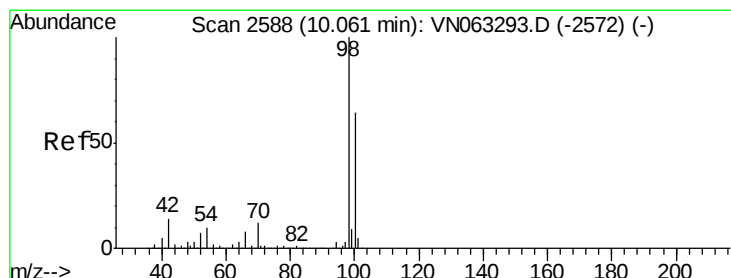
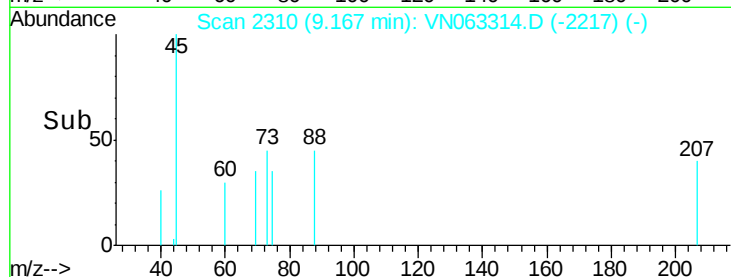
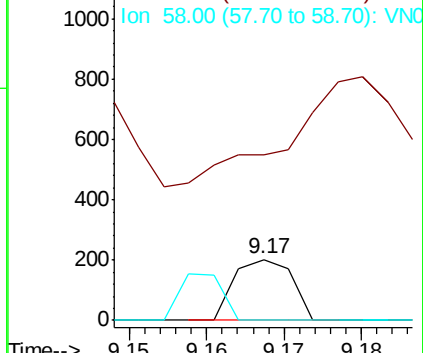
88 100

43 0.0 30.5 45.7#

58 56.7 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.484 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063314.D

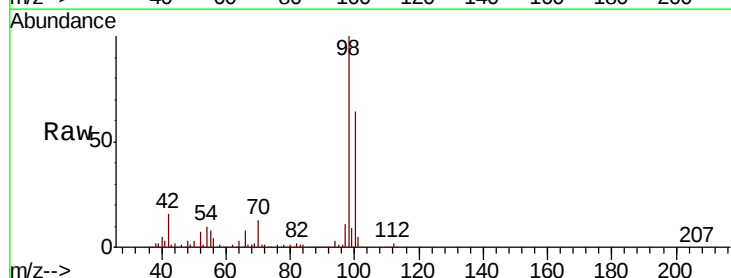
Acq: 11 Sep 2020 15:06

Tgt Ion: 98 Resp: 895801

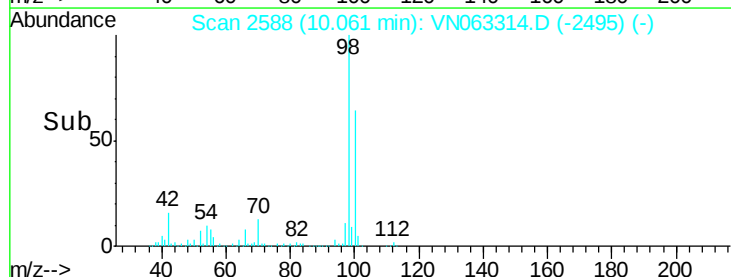
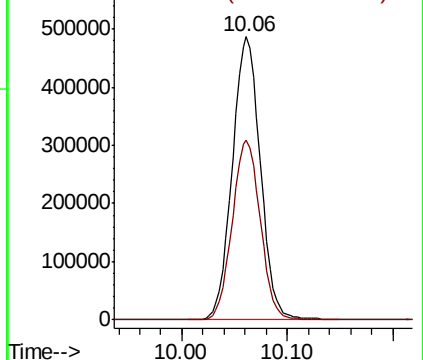
Ion Ratio Lower Upper

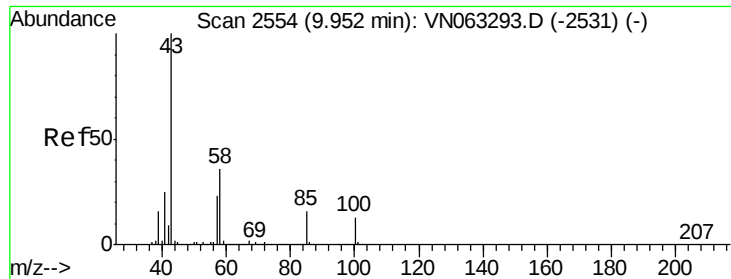
98 100

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

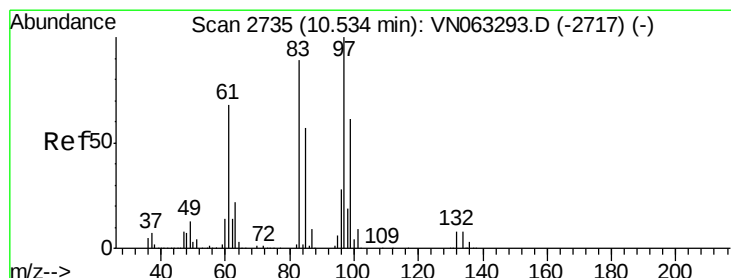
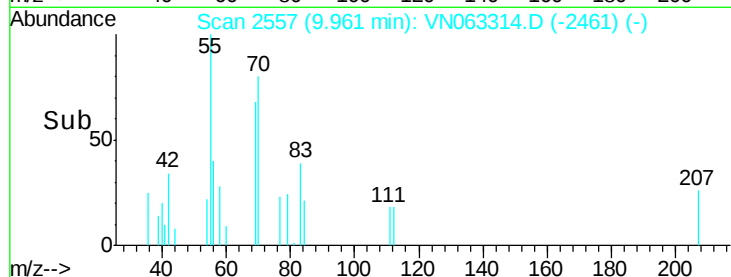
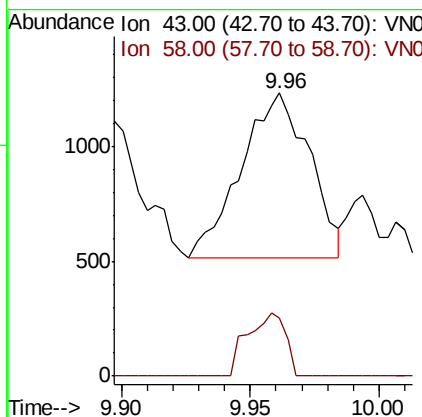
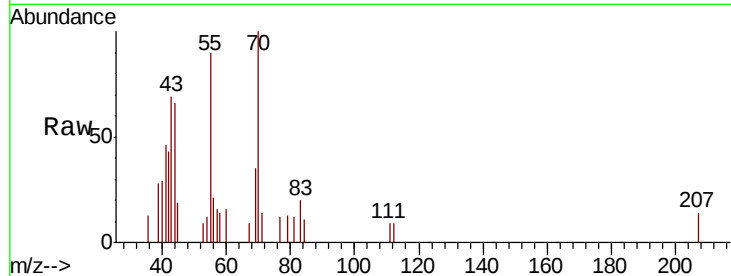




#51
 4-Methyl-2-Pentanone
 Concen: 0.201 ug/l
 RT: 9.96 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

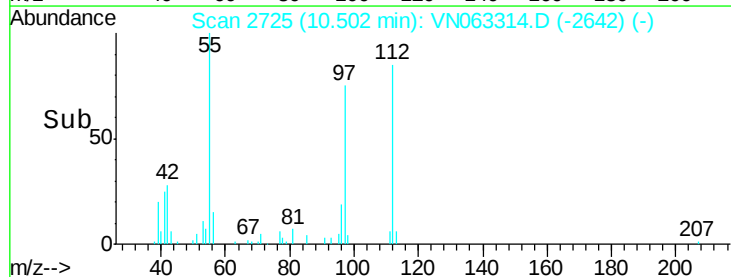
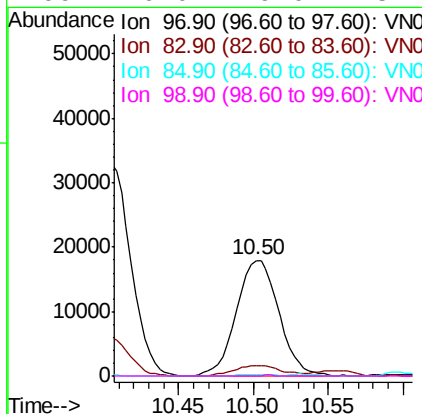
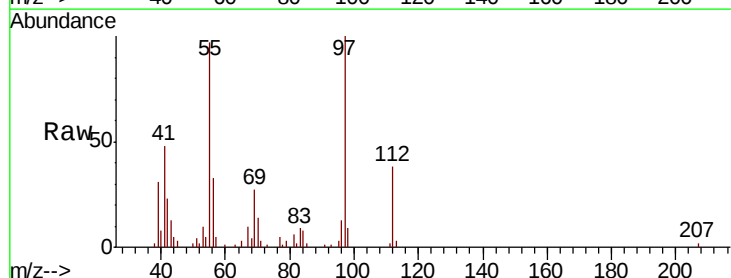
Instrument :
 MSVOA_N
 ClientSampled :

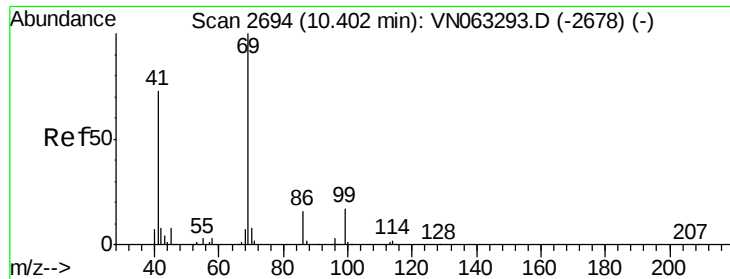
Tot Ion: 43 Resp: 1334
 Ion Ratio Lower Upper
 43 100
 58 21.2 29.0 43.4#



#55
 1,1,2-Trichloroethane
 Concen: 7.180 ug/l
 RT: 10.50 min Scan# 2725
 Delta R.T. -0.03 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion: 97 Resp: 35492
 Ion Ratio Lower Upper
 97 100
 83 9.0 70.8 106.2#
 85 1.5 45.6 68.4#
 99 0.0 49.0 73.4#





#56

Ethyl methacrylate

Concen: 2.730 ug/l

RT: 10.41 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampled :

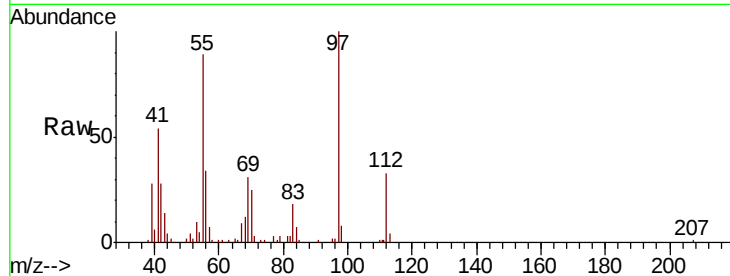
Tot Ion: 69 Resp: 20521

Ion Ratio Lower Upper

69 100

41 171.2 58.4 87.6#

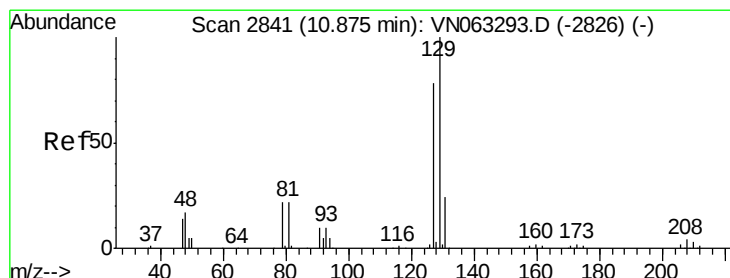
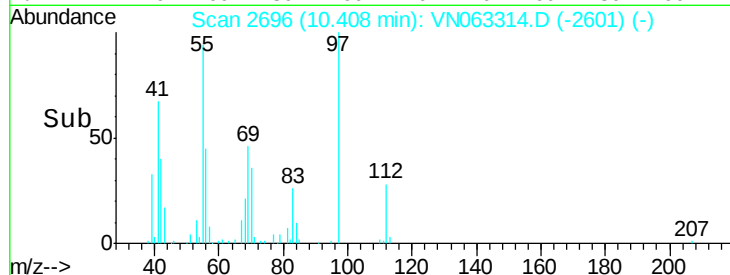
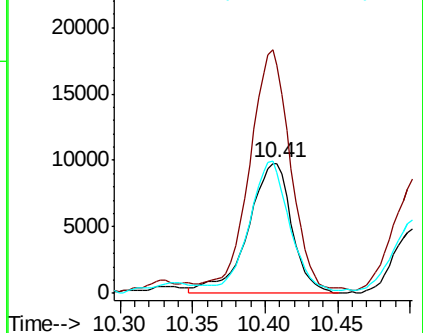
39 91.2 38.6 58.0#



Abundance Ion 69.00 (68.70 to 69.70): VN063314.D (-2601) (-)

Ion 41.00 (40.70 to 41.70): VN063314.D (-2601) (-)

Ion 39.00 (38.70 to 39.70): VN063314.D (-2601) (-)



#60

Dibromochloromethane

Concen: 0.299 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063314.D

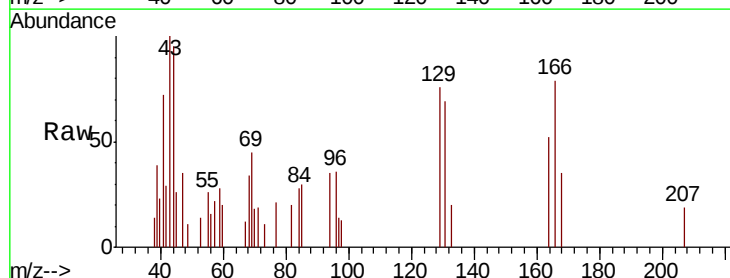
Acq: 11 Sep 2020 15:06

Tgt Ion: 129 Resp: 1622

Ion Ratio Lower Upper

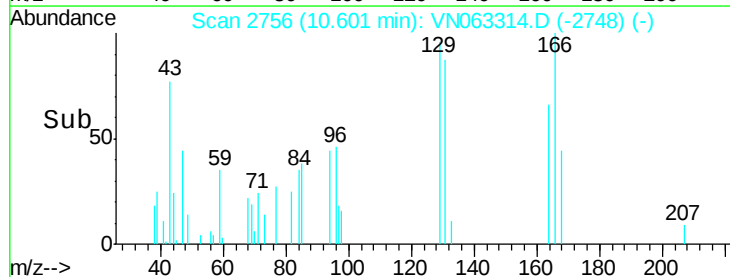
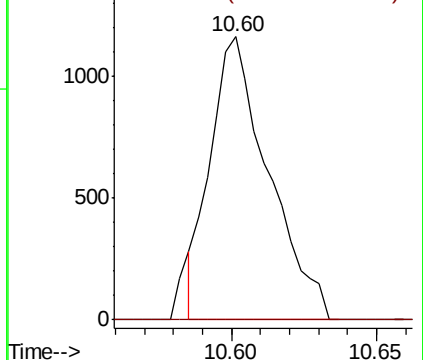
129 100

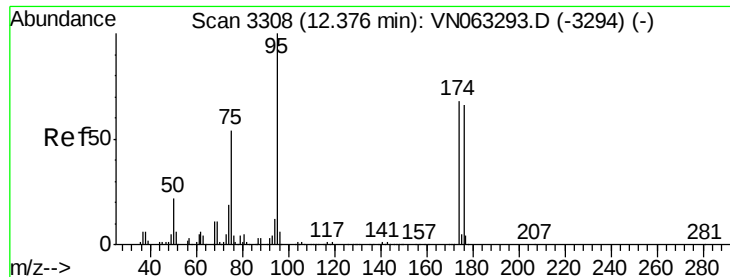
127 0.0 39.0 117.0#



Abundance Ion 128.80 (128.50 to 129.50): VN063314.D (-2748) (-)

Ion 126.80 (126.50 to 127.50): VN063314.D (-2748) (-)





#62

4-Bromofluorobenzene

Concen: 52.944 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampled :

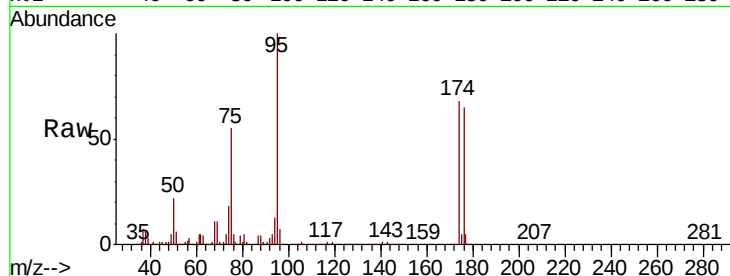
Tot Ion: 95 Resp: 340247

Ion Ratio Lower Upper

95 100

174 71.3 0.0 136.6

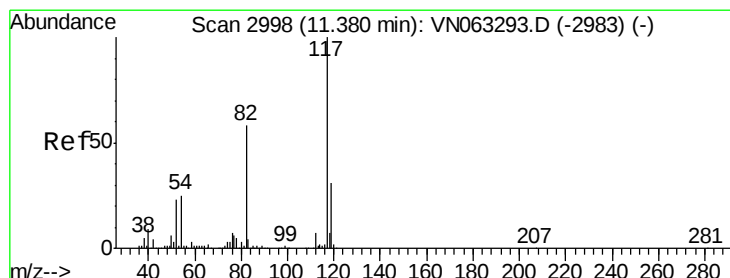
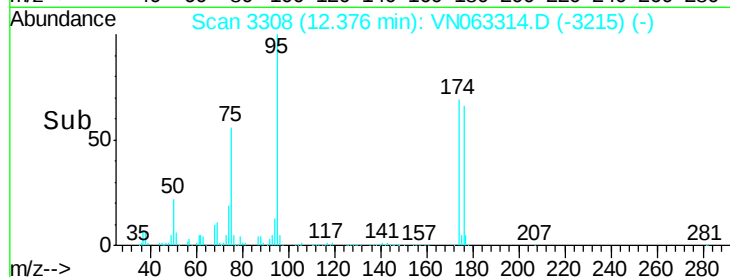
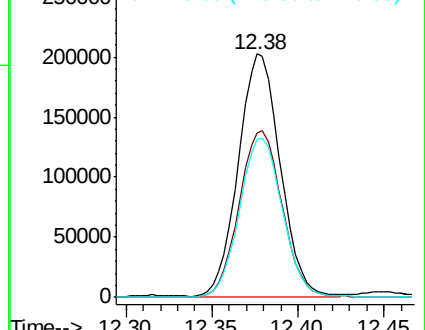
176 67.6 0.0 132.8



Abundance Ion 94.90 (94.60 to 95.60): VN063314.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063314.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063314.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

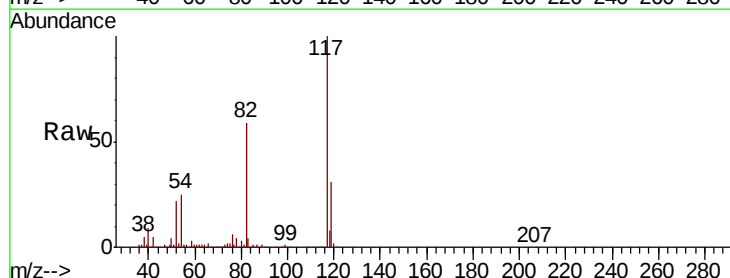
Tgt Ion: 117 Resp: 680141

Ion Ratio Lower Upper

117 100

82 58.5 46.4 69.6

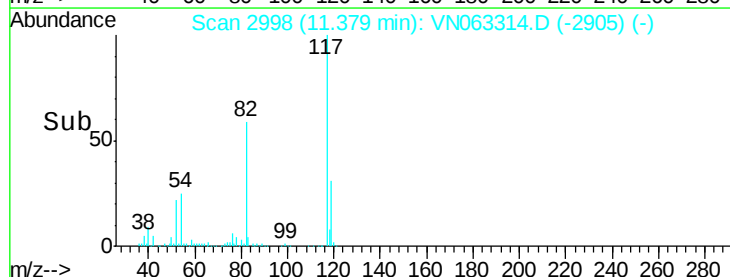
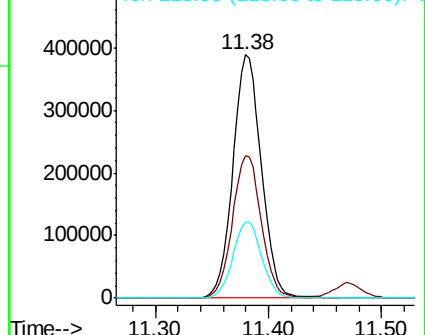
119 31.1 24.8 37.2

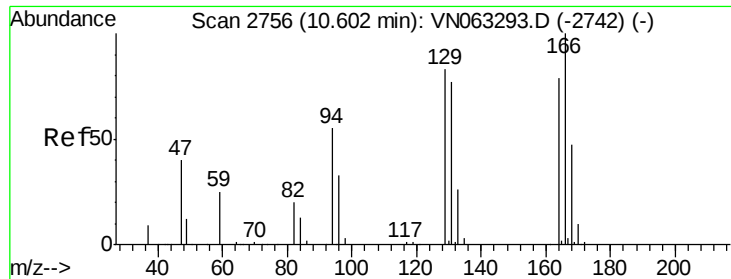


Abundance Ion 116.90 (116.60 to 117.60): VN063314.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063314.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063314.D (-2905) (-)





#64

Tetrachloroethene

Concen: 0.286 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 1592

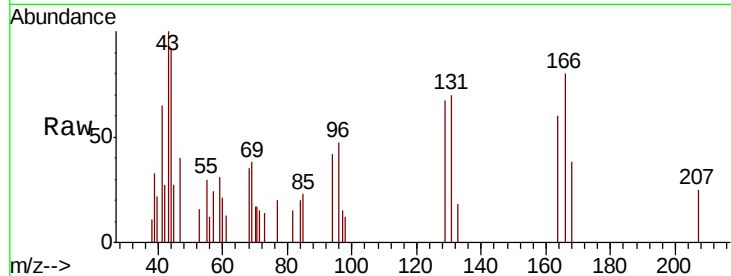
Ion Ratio Lower Upper

164 100

166 134.2 101.3 151.9

129 111.7 83.7 125.5

131 117.8 78.2 117.4#

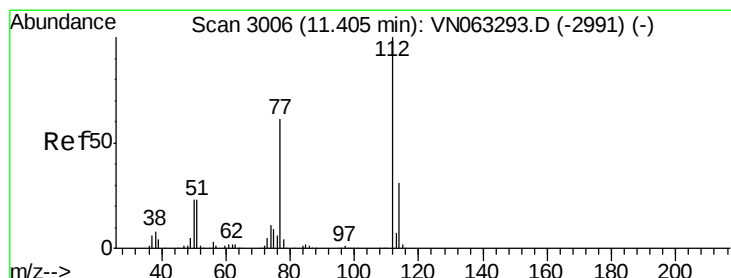
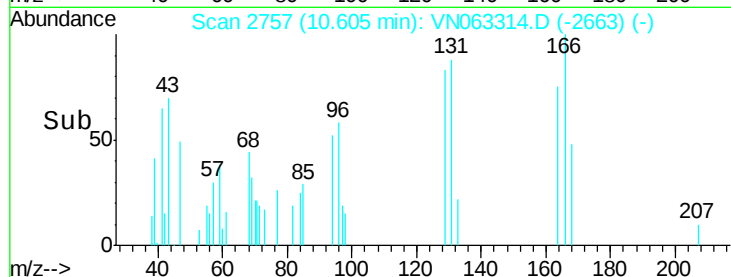
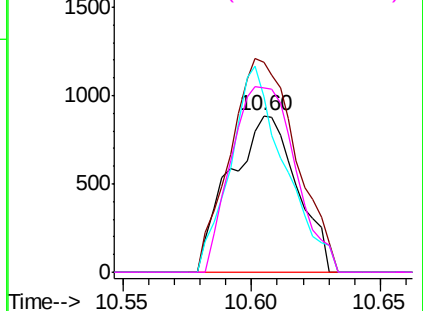


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.209 ug/l

RT: 11.41 min Scan# 3008

Delta R.T. 0.01 min

Lab File: VN063314.D

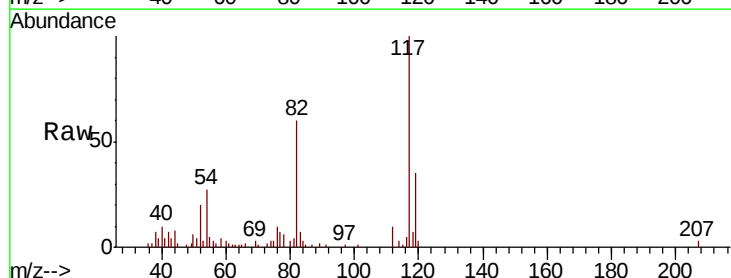
Acq: 11 Sep 2020 15:06

Tgt Ion:112 Resp: 3056

Ion Ratio Lower Upper

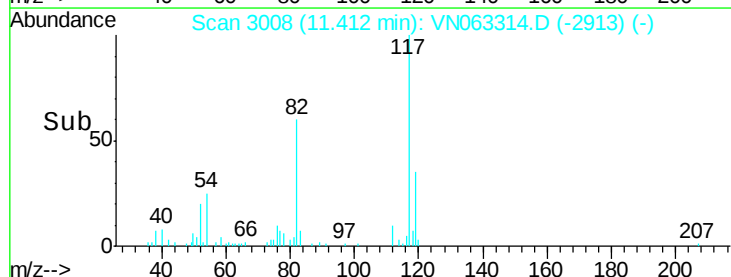
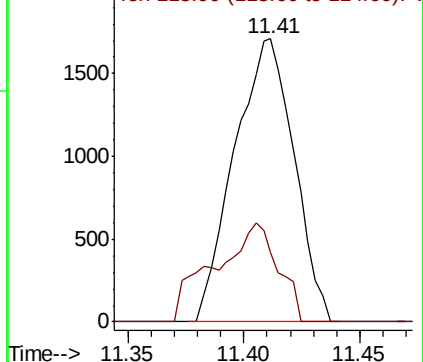
112 100

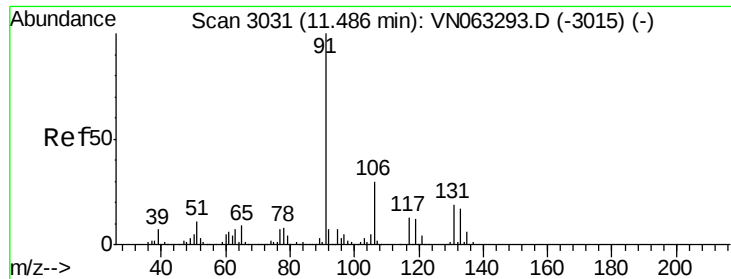
114 24.7 24.6 36.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

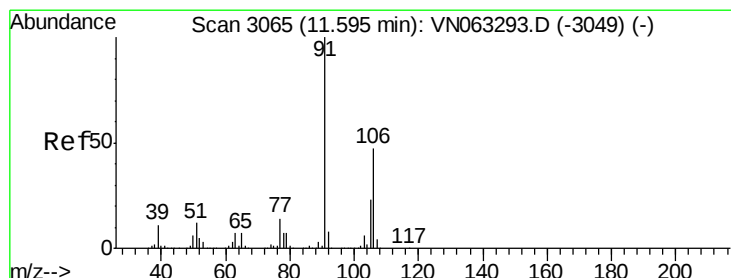
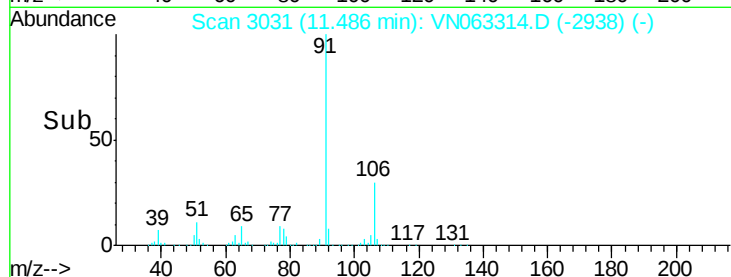
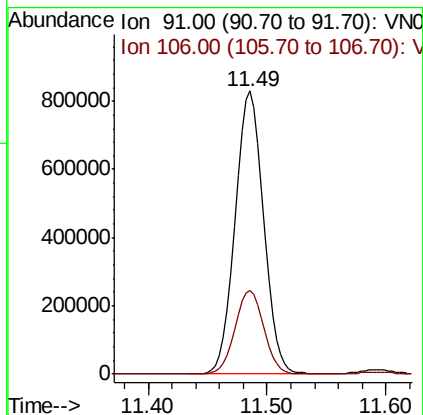
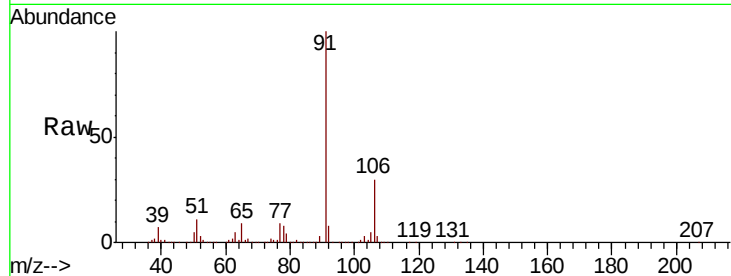




#67
Ethyl Benzene
Concen: 52.493 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

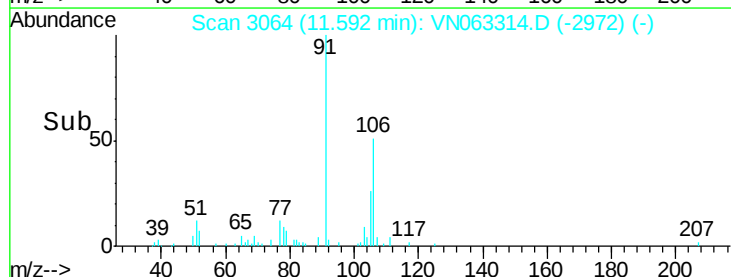
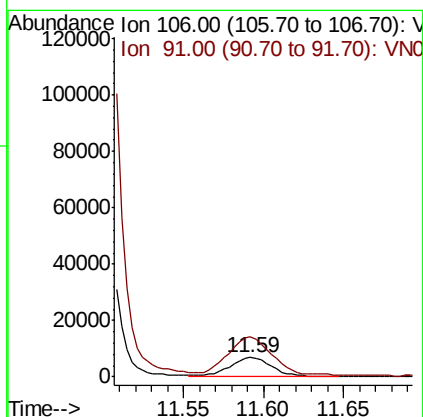
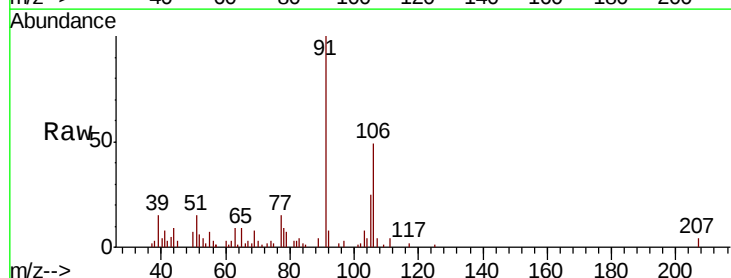
Instrument :
MSVOA_N
ClientSampled :

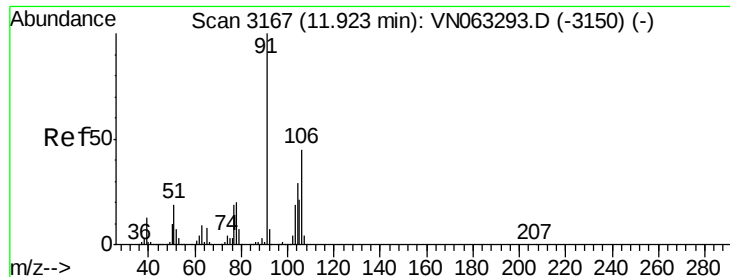
Tot Ion: 91 Resp: 1379874
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 1.330 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion: 106 Resp: 12930
Ion Ratio Lower Upper
106 100
91 0.0 169.8 254.8#

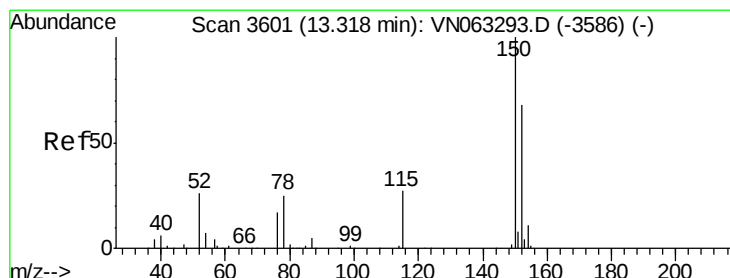
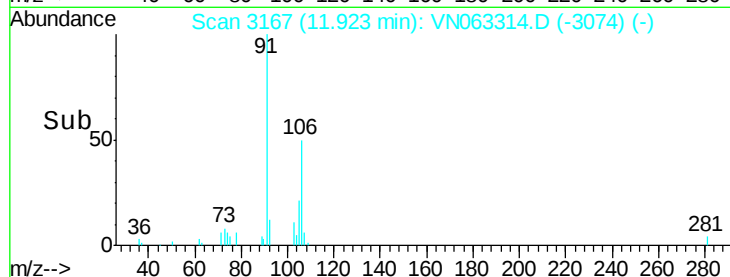
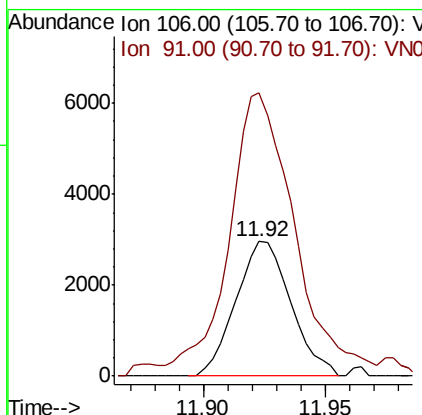
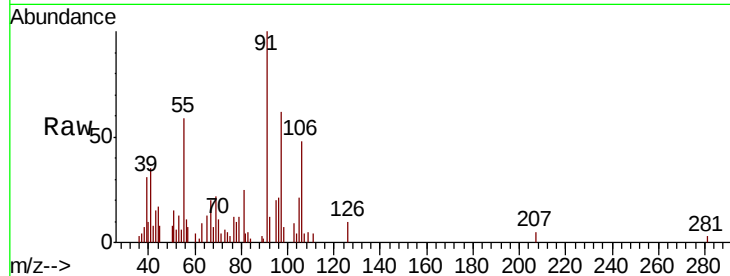




#69
o-Xylene
Concen: 0.498 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

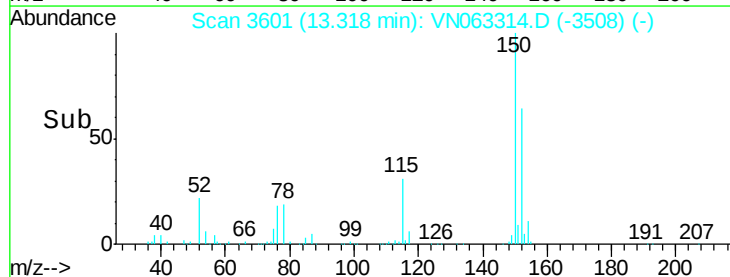
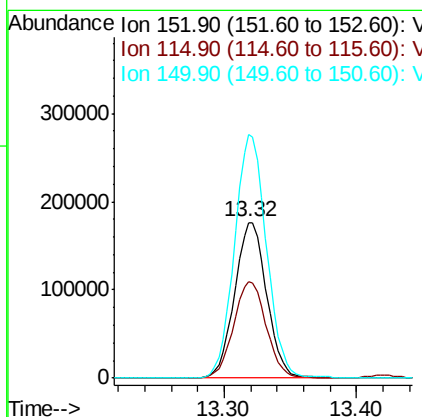
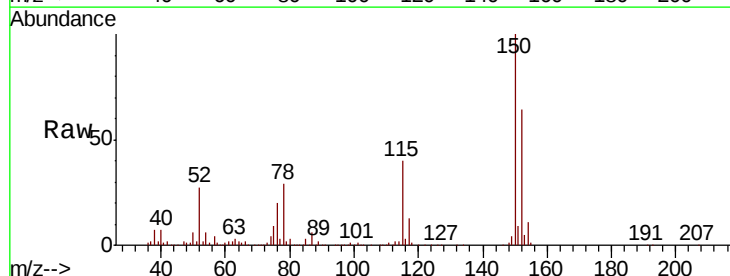
Instrument :
MSVOA_N
ClientSampled :

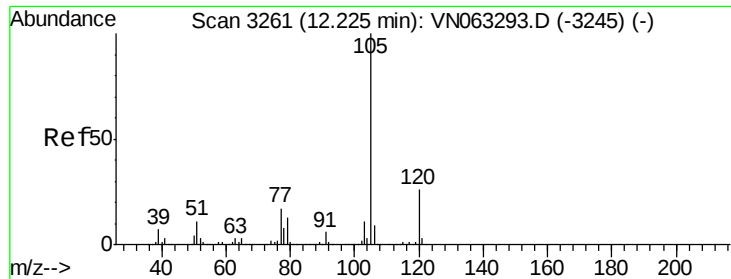
Tot Ion:106 Resp: 4645
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion:152 Resp: 296560
Ion Ratio Lower Upper
152 100
115 62.6 31.5 94.5
150 156.0 0.0 344.0





#73

Isopropylbenzene

Concen: 20.880 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

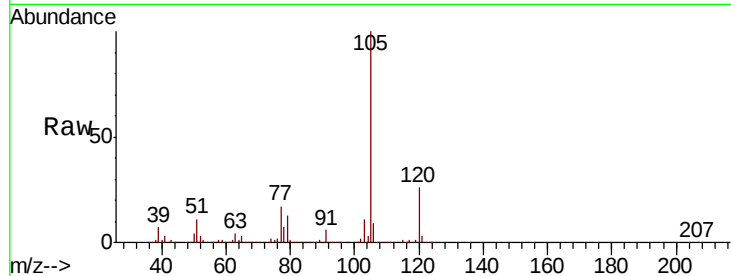
ClientSampleId :

Tot Ion:105 Resp: 499464

Ion Ratio Lower Upper

105 100

120 25.6 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

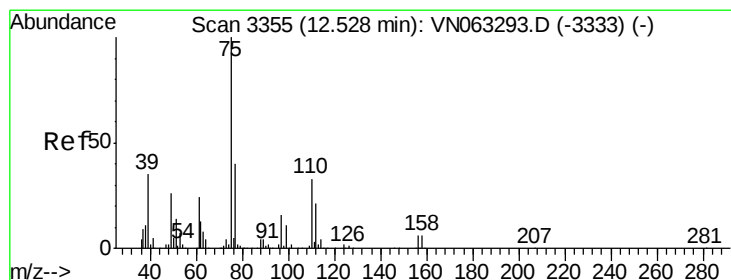
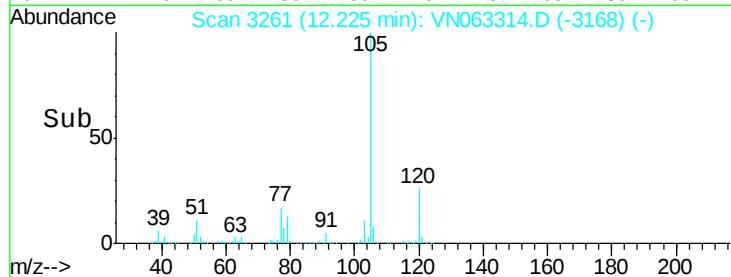
300000

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.454 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063314.D

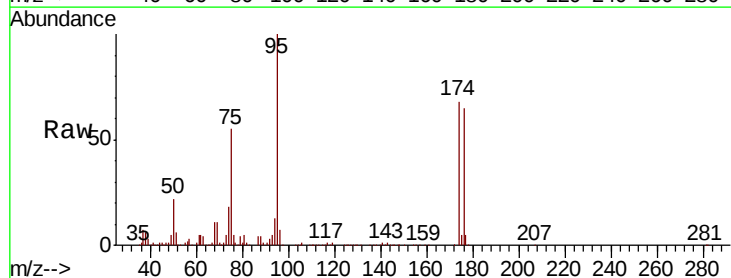
Acq: 11 Sep 2020 15:06

Tgt Ion: 75 Resp: 186159

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

12.38

120000

100000

80000

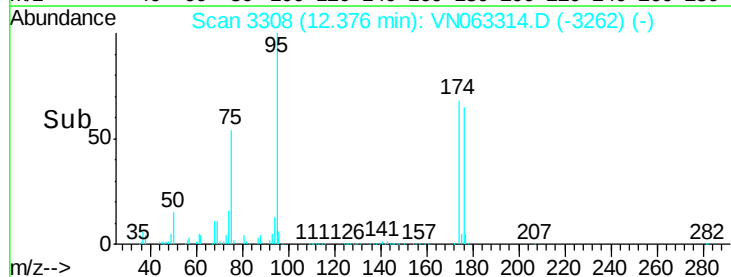
60000

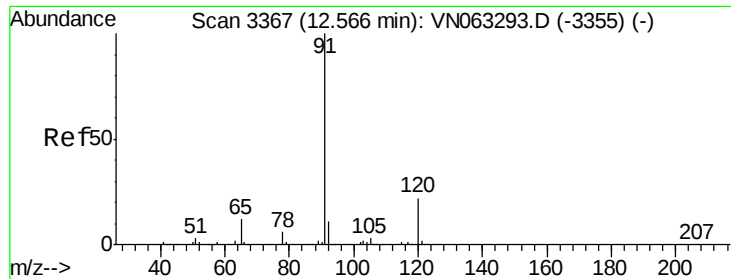
40000

20000

0

Time-->





#78

n-propylbenzene

Concen: 23.363 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

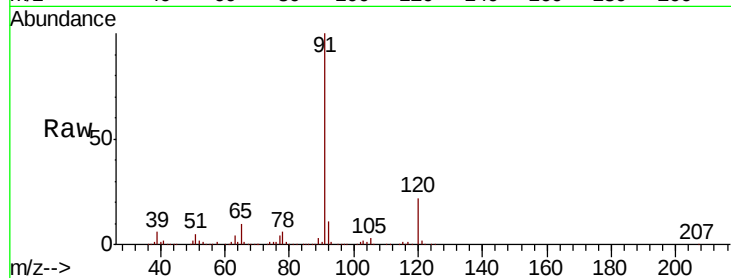
ClientSampled :

Tot Ion: 91 Resp: 634859

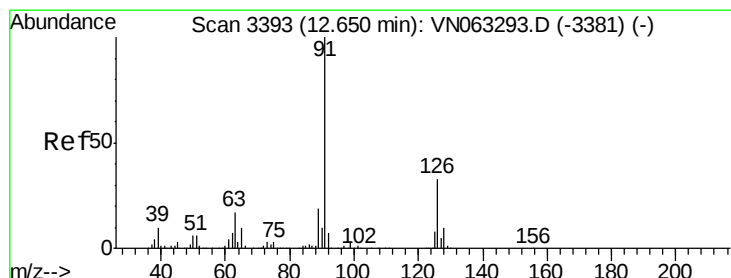
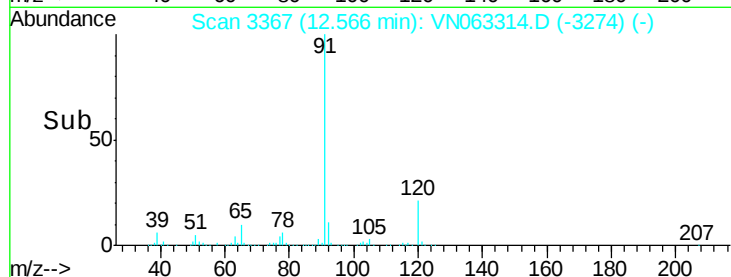
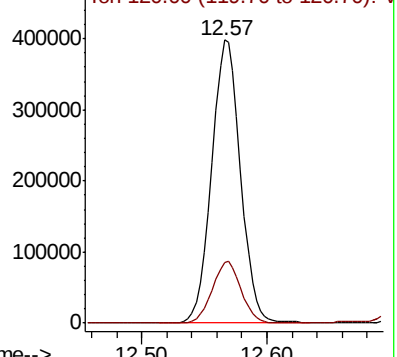
Ion Ratio Lower Upper

91 100

120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN063314.D (-3274) (-)



#79

2-Chlorotoluene

Concen: 37.996 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN063314.D

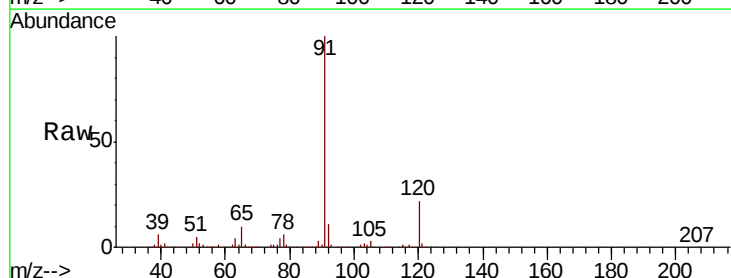
Acq: 11 Sep 2020 15:06

Tgt Ion: 91 Resp: 634859

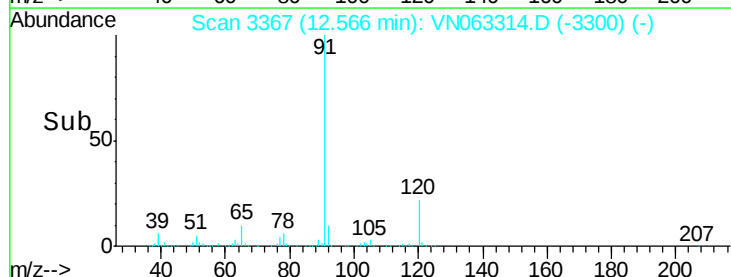
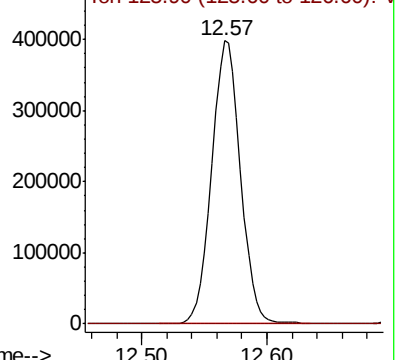
Ion Ratio Lower Upper

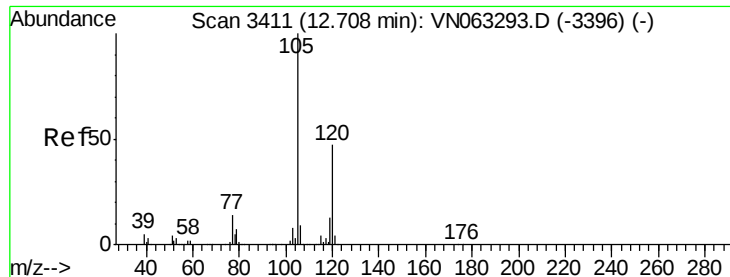
91 100

126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VN063314.D (-3300) (-)





#80

1,3,5-Trimethylbenzene

Concen: 6.393 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

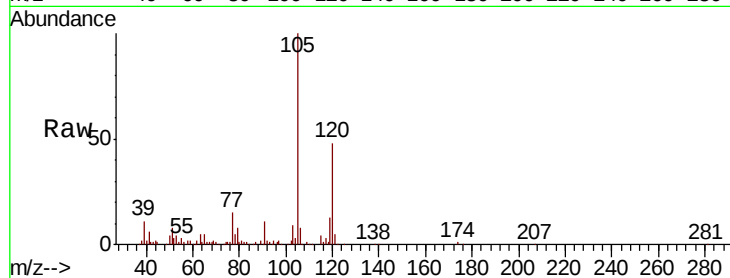
ClientSampled :

Tot Ion:105 Resp: 126975

Ion Ratio Lower Upper

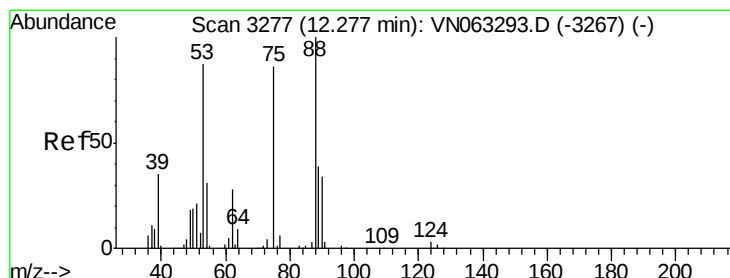
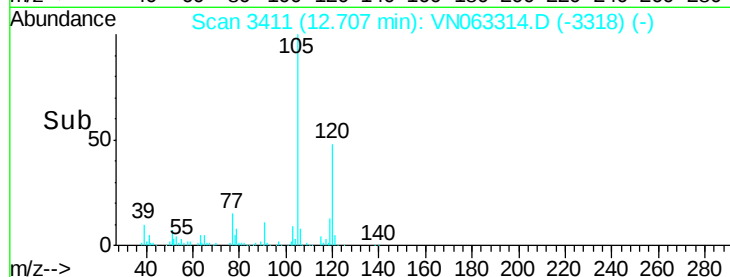
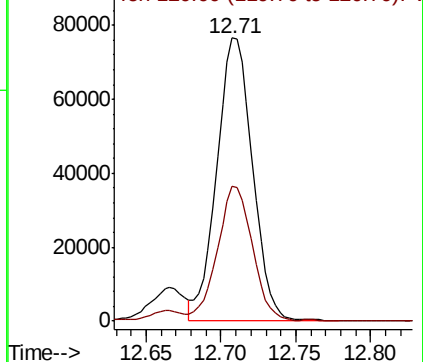
105 100

120 46.4 23.4 70.0



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: 2.763 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

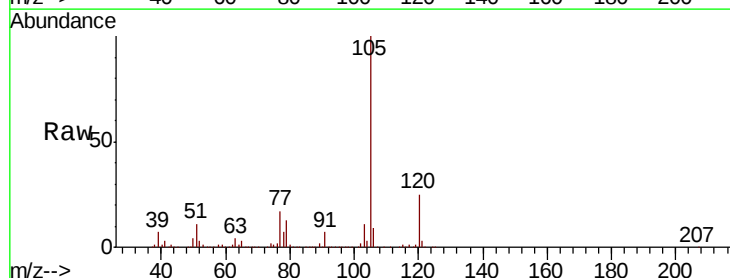
Tgt Ion: 75 Resp: 6728

Ion Ratio Lower Upper

75 100

53 115.6 81.8 122.8

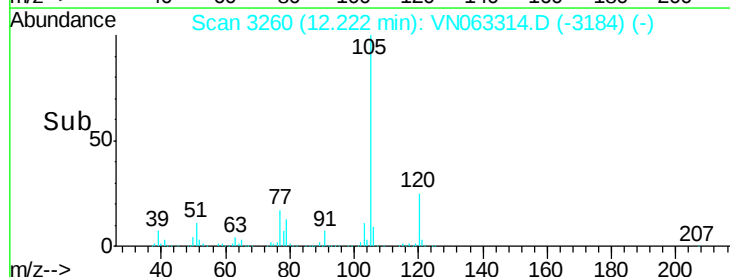
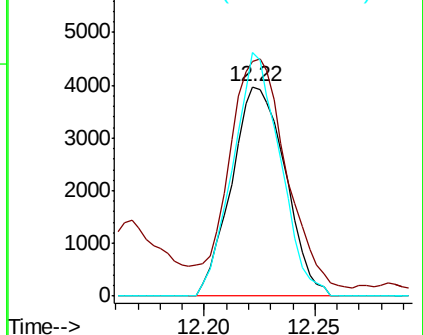
89 102.7 36.7 55.1#

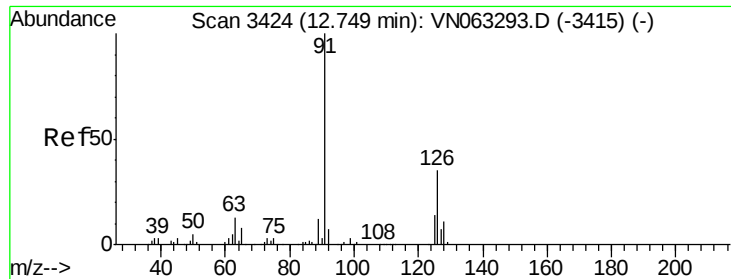


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 36.247 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.18 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

Instrument :

MSVOA_N

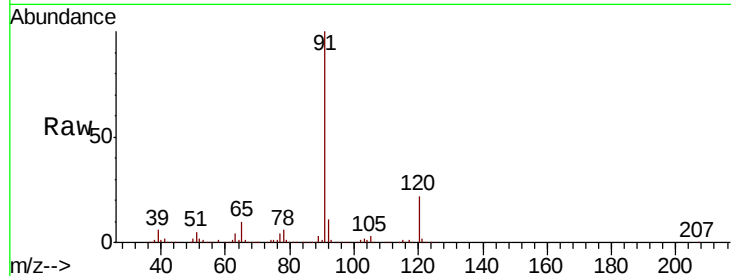
ClientSampleId :

Tot Ion: 91 Resp: 634859

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN063314.D (-3331) (-)

Ion 125.90 (125.60 to 126.60): VN063314.D (-3331) (-)

12.57

400000

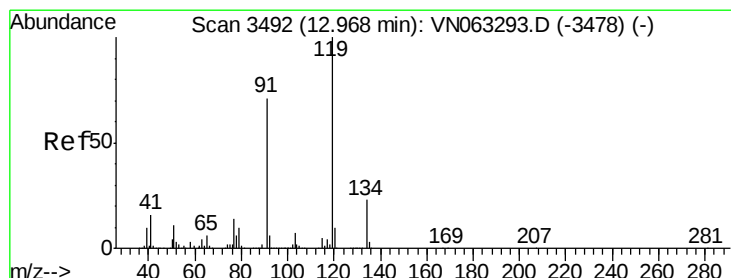
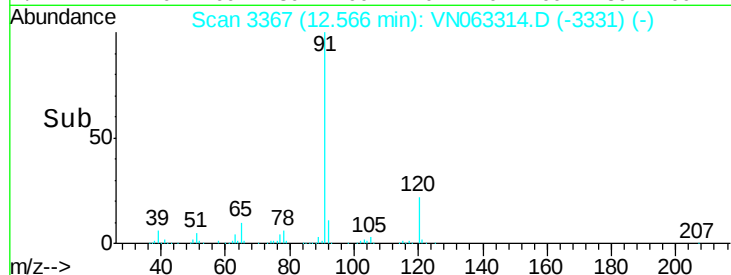
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 1.702 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. 0.00 min

Lab File: VN063314.D

Acq: 11 Sep 2020 15:06

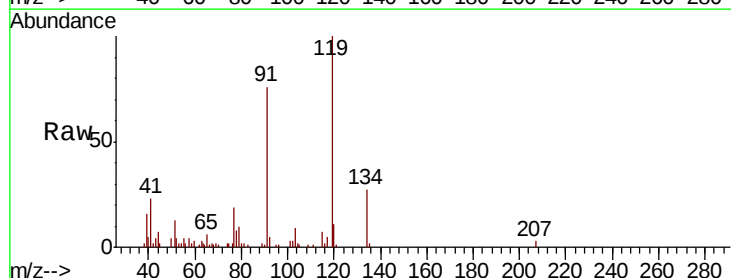
Tgt Ion: 119 Resp: 28664

Ion Ratio Lower Upper

119 100

91 76.8 34.8 104.3

134 24.6 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): VN063314.D (-3399) (-)

Ion 91.00 (90.70 to 91.70): VN063314.D (-3399) (-)

Ion 134.00 (133.70 to 134.70): VN063314.D (-3399) (-)

12.97

80000

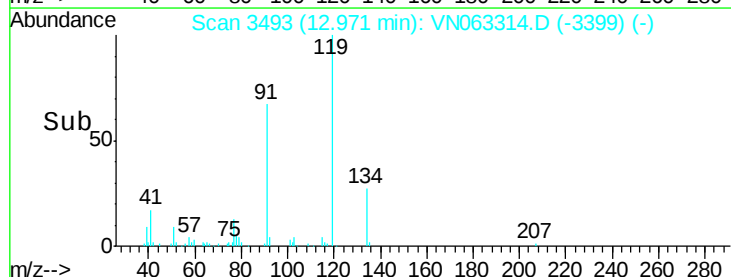
60000

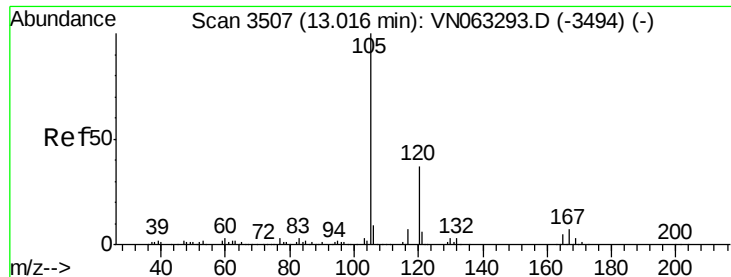
40000

20000

0

Time-->

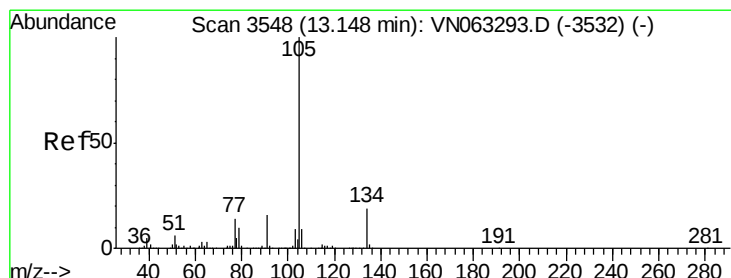
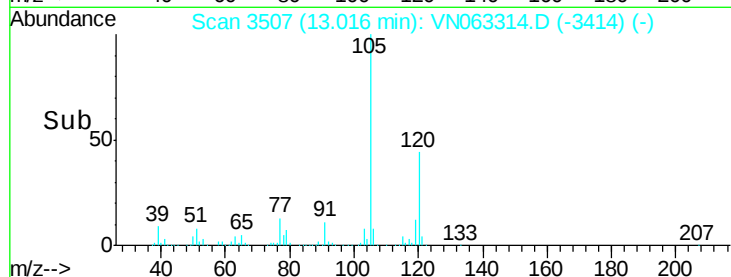
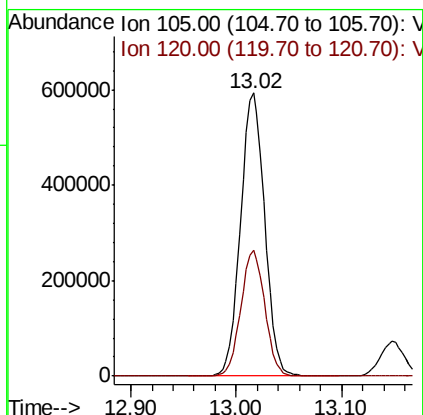
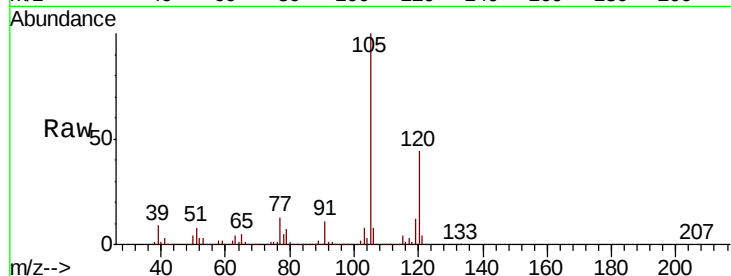




#84
 1,2,4-Trimethylbenzene
 Concen: 47.093 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

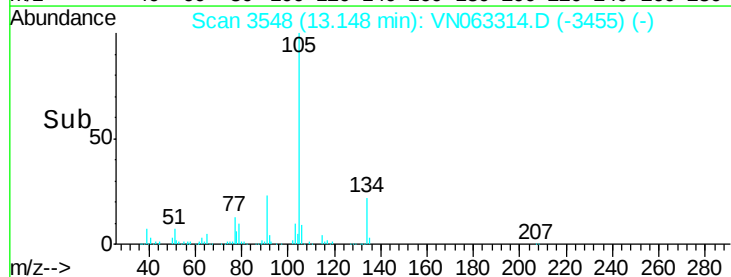
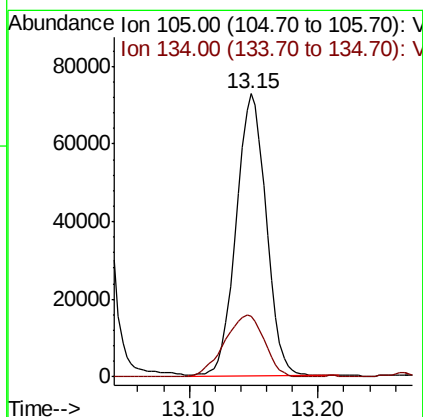
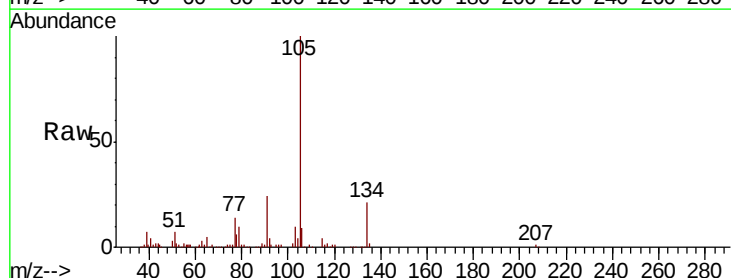
Instrument :
 MSVOA_N
 ClientSampleId :

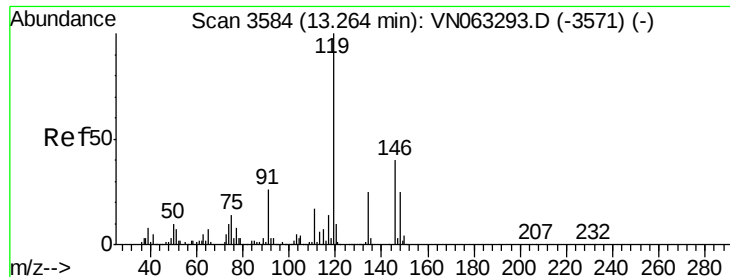
Tot Ion:105 Resp: 942818
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 5.500 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion:105 Resp: 117872
 Ion Ratio Lower Upper
 105 100
 134 29.4 9.4 28.3#

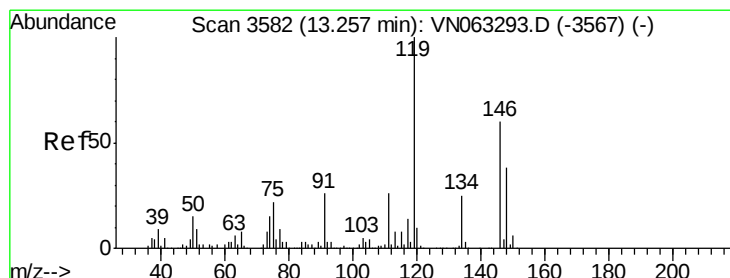
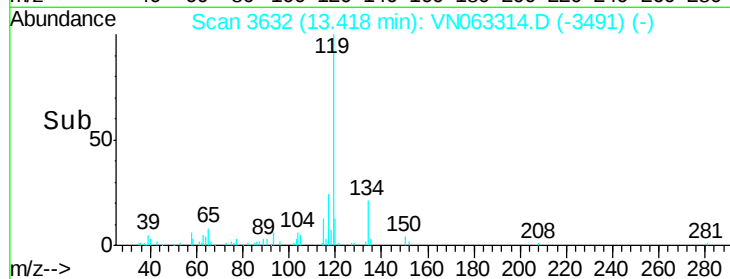
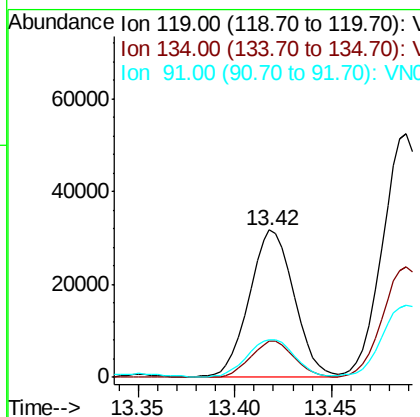
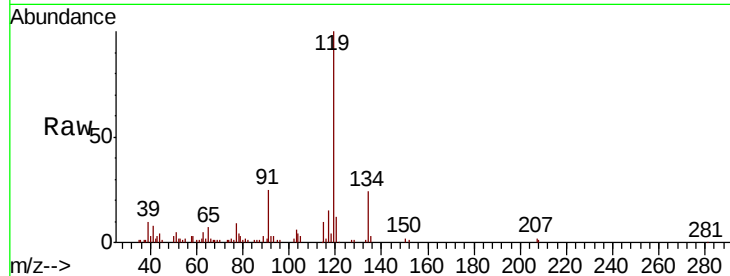




#86
 p-Isopropyltoluene
 Concen: 2.608 ug/l
 RT: 13.42 min Scan# 3632
 Delta R.T. 0.15 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

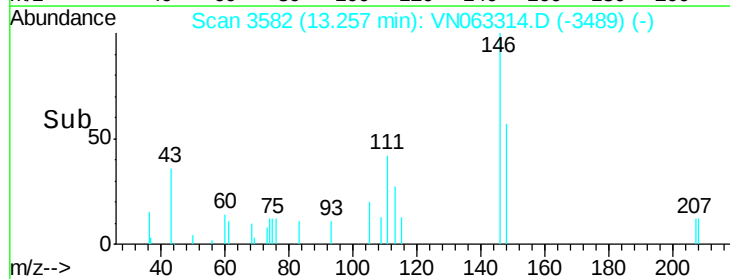
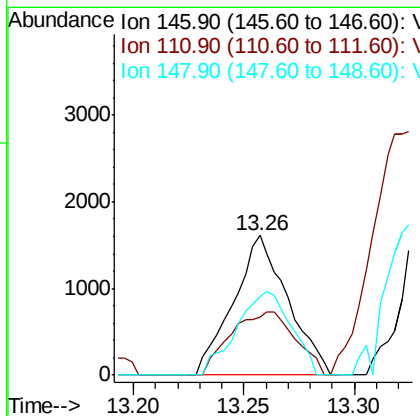
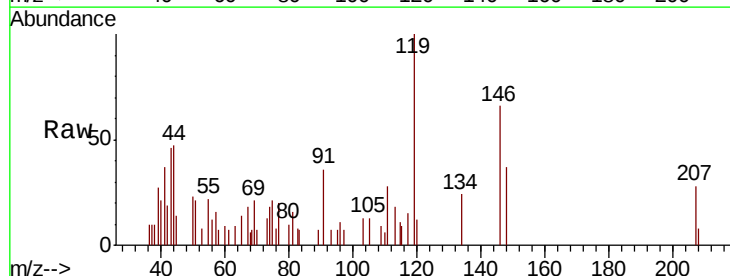
Instrument :
 MSVOA_N
 ClientSampleId :

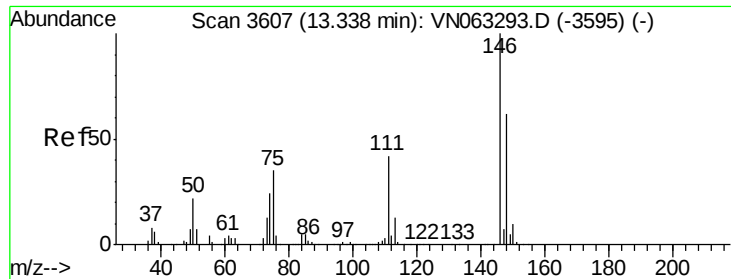
Tot Ion:119 Resp: 51249
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.6 37.8
 91 27.5 12.8 38.3



#87
 1,3-Dichlorobenzene
 Concen: 0.274 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion:146 Resp: 2758
 Ion Ratio Lower Upper
 146 100
 111 54.0 21.8 65.4
 148 60.2 31.8 95.4

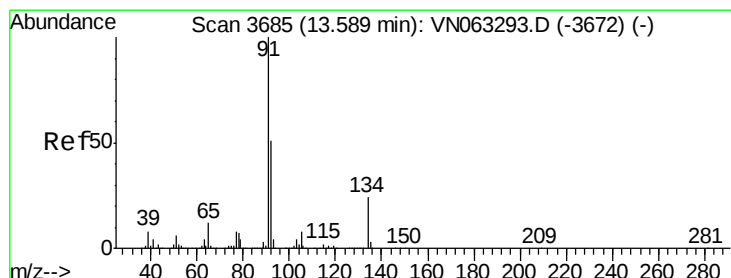
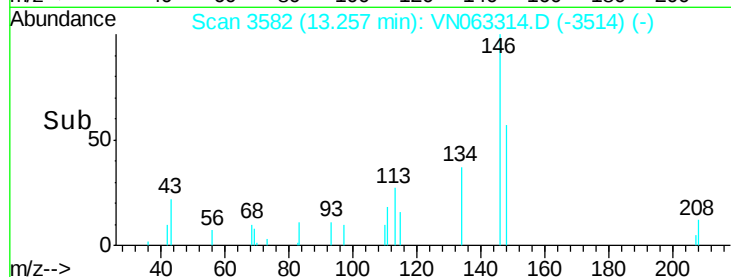
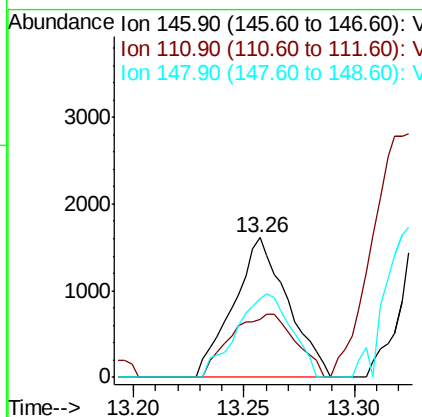
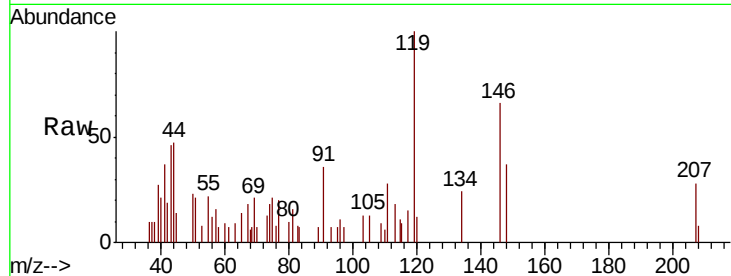




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

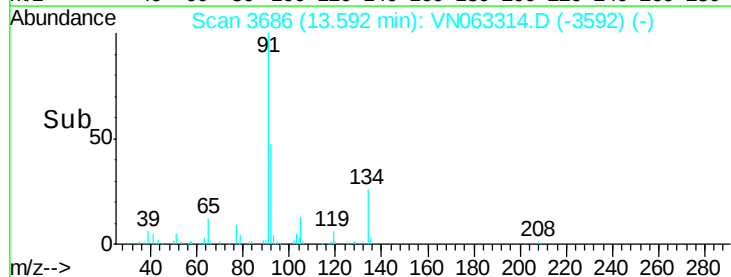
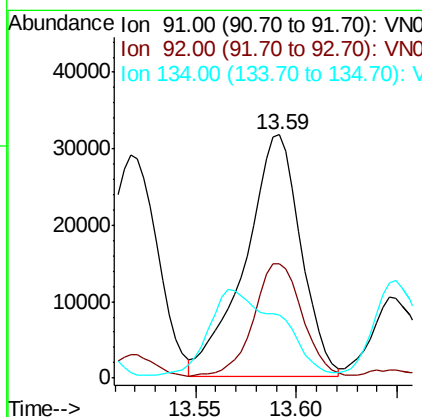
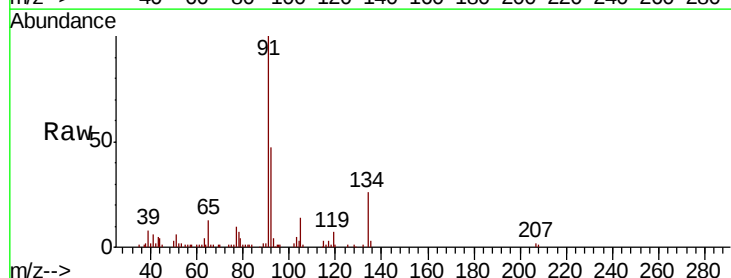
Instrument :
 MSVOA_N
 ClientSampleId :

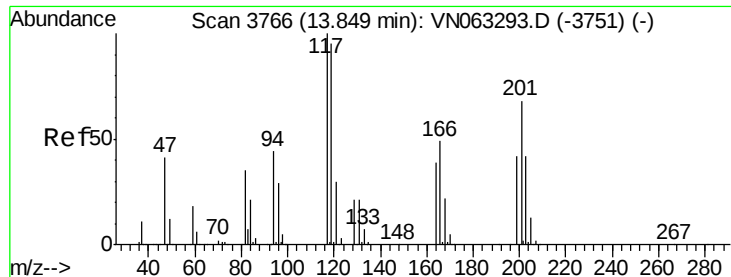
Tot Ion:146 Resp: 2758
 Ion Ratio Lower Upper
 146 100
 111 54.0 21.3 64.0
 148 60.2 31.5 94.5



#89
 n-Butylbenzene
 Concen: 3.420 ug/l
 RT: 13.59 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion: 91 Resp: 60666
 Ion Ratio Lower Upper
 91 100
 92 42.9 25.8 77.3
 134 0.0 12.0 36.0#

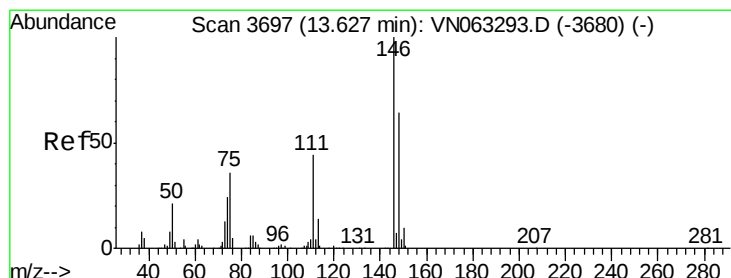
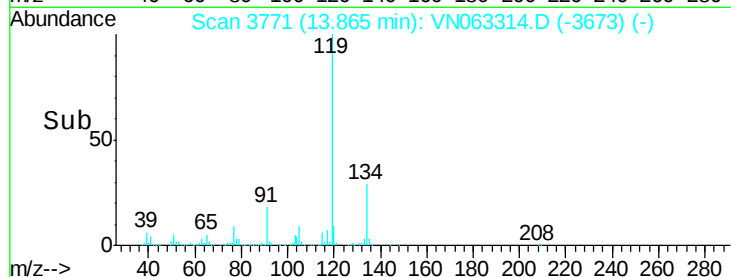
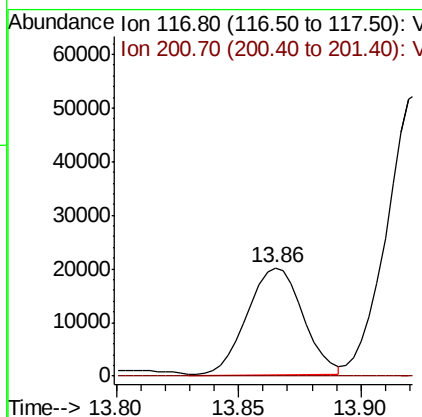
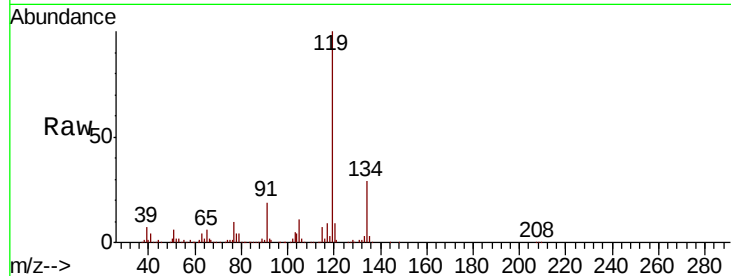




#90
Hexachloroethane
Concen: 9.881 ug/l
RT: 13.86 min Scan# 3771
Delta R.T. 0.02 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

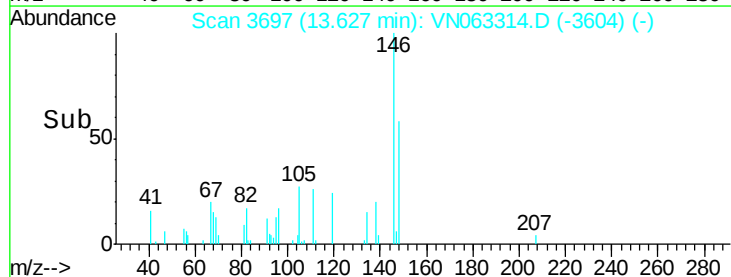
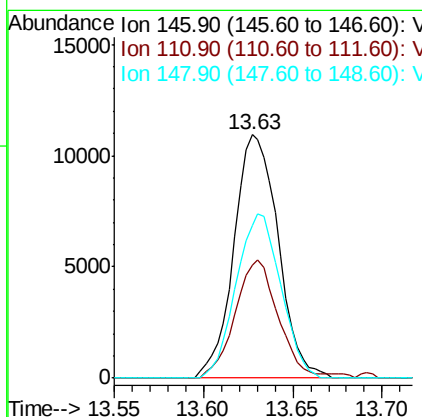
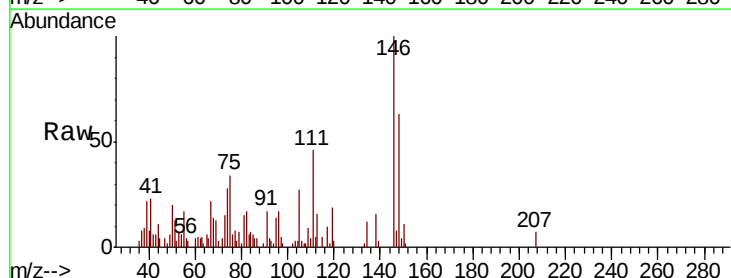
Instrument :
MSVOA_N
ClientSampled :

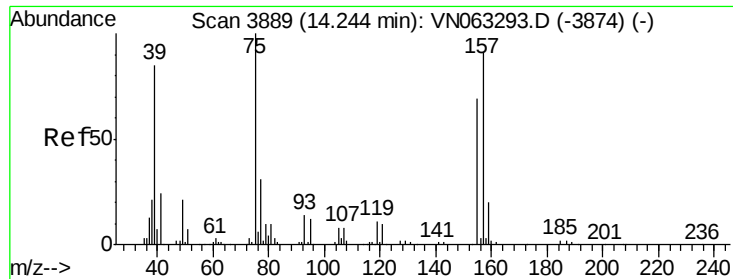
Tot Ion:117 Resp: 31934
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.4#



#91
1,2-Dichlorobenzene
Concen: 1.904 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN063314.D
Acq: 11 Sep 2020 15:06

Tgt Ion:146 Resp: 18915
Ion Ratio Lower Upper
146 100
111 46.9 22.1 66.5
148 67.9 31.8 95.3

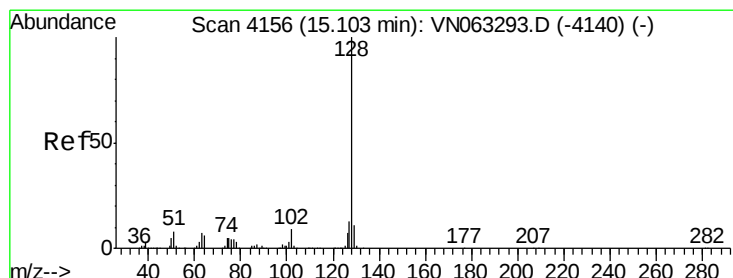
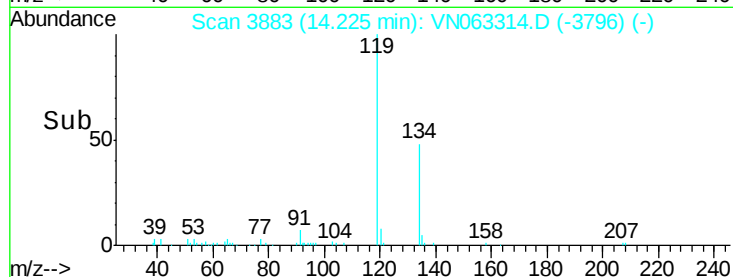
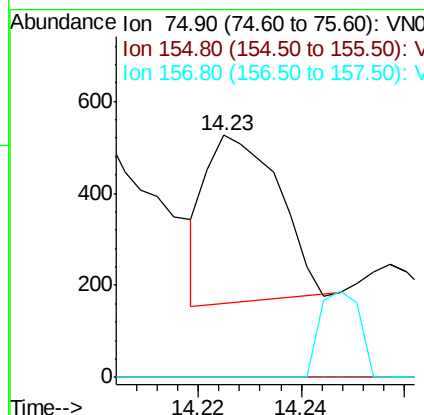
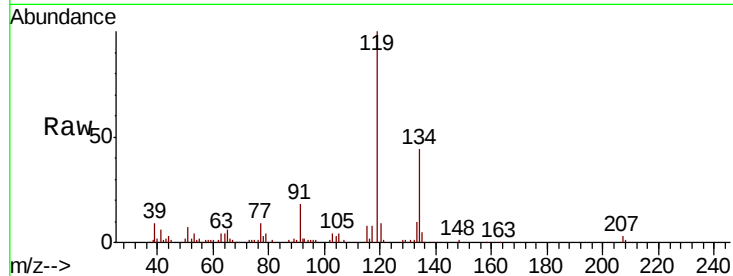




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.228 ug/l
 RT: 14.23 min Scan# 3883
 Delta R.T. -0.02 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

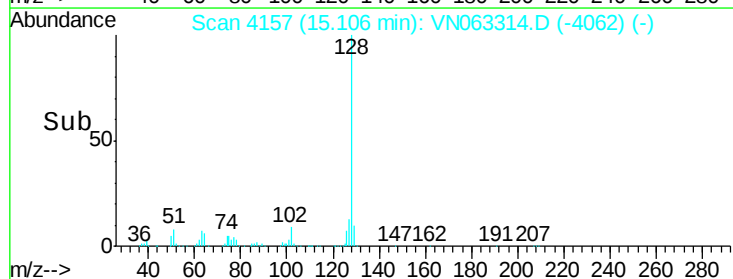
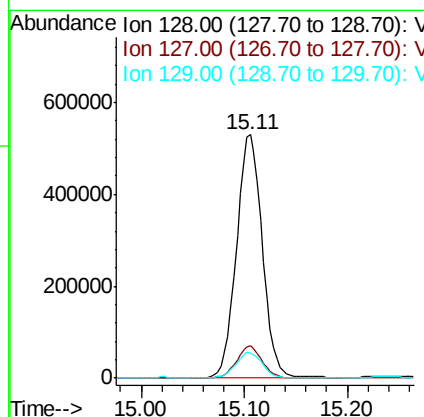
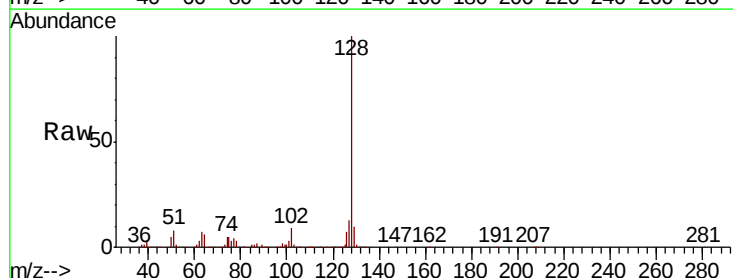
Instrument :
 MSVOA_N
 ClientSampleId :

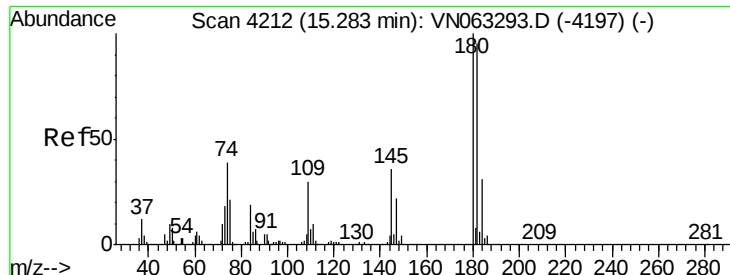
Tot Ion: 75 Resp: 355
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.3 105.7#
 157 0.0 46.7 140.0#



#95
 Naphthalene
 Concen: 52.965 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Tgt Ion: 128 Resp: 925286
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.6 8.6 12.8

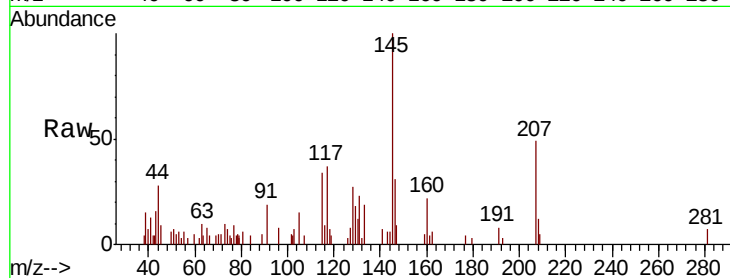




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN063314.D
 Acq: 11 Sep 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	31636.5	17.2	51.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

