

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063345.D
 Acq On : 14 Sep 2020 16:07
 Operator : JC/MD
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Quant Time: Sep 15 05:11:15 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	443691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	801188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	727862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	319530	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	331969	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.55	113	243367	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.06	98	938340	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.38	95	336373	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	71386	16.753	ug/l	98
3) Chloromethane	2.04	50	109748	18.113	ug/l	99
4) Vinyl Chloride	2.16	62	111234	18.451	ug/l	98
5) Bromomethane	2.54	94	75153	17.867	ug/l	100
6) Chloroethane	2.68	64	71528	18.137	ug/l	97
7) Trichlorofluoromethane	2.99	101	164715	17.668	ug/l	97
8) Diethyl Ether	3.38	74	59742	17.972	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	83648	17.173	ug/l	97
10) Methyl Iodide	3.91	142	113390	17.959	ug/l	99
11) Tert butyl alcohol	4.72	59	88905	96.462	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	85825	17.652	ug/l	99
13) Acrolein	3.57	56	50820	120.474	ug/l	97
14) Allyl chloride	4.28	41	162006	16.231	ug/l	98
15) Acrylonitrile	4.93	53	237225	94.139	ug/l	100
16) Acetone	3.78	43	206017	85.587	ug/l	99
17) Carbon Disulfide	4.01	76	244920	17.336	ug/l	97
18) Methyl Acetate	4.28	43	114832	18.977	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	311200	17.912	ug/l	99
20) Methylene Chloride	4.51	84	104755	18.307	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	95491	17.550	ug/l	94
22) Diisopropyl ether	5.90	45	347890	17.711	ug/l	92
23) Vinyl Acetate	5.84	43	1443224	93.346	ug/l	99
24) 1,1-Dichloroethane	5.79	63	190686	17.926	ug/l	99
25) 2-Butanone	6.78	43	324579	91.283	ug/l	100
26) 2,2-Dichloropropane	6.78	77	149604	16.046	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	111616	17.602	ug/l	96
28) Bromochloromethane	7.15	49	90400	17.526	ug/l	97
29) Tetrahydrofuran	7.17	42	215949	93.271	ug/l	98
30) Chloroform	7.33	83	188216	17.672	ug/l	99
31) Cyclohexane	7.61	56	168519	17.236	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	159645	17.195	ug/l	99
36) 1,1-Dichloropropene	7.75	75	139402	16.927	ug/l	100
37) Ethyl Acetate	6.88	43	138730	17.123	ug/l	100
38) Carbon Tetrachloride	7.73	117	142568	17.590	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VN0914WBSD01

Quant Time: Sep 15 05:11:15 2020
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 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)
39) Methylcyclohexane	9.05	83	143175	15.936	ug/l	98
40) Benzene	8.00	78	415087	17.647	ug/l	100
41) Methacrylonitrile	7.16	41	207799	56.702	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	155416	17.415	ug/l	98
43) Isopropyl Acetate	8.13	43	243651	17.758	ug/l #	90
44) Trichloroethene	8.80	130	105121	17.089	ug/l	97
45) 1,2-Dichloropropane	9.08	63	113919	17.657	ug/l	100
46) Dibromomethane	9.18	93	73397	17.543	ug/l	99
47) Bromodichloromethane	9.37	83	153750	17.634	ug/l	97
48) Methyl methacrylate	9.17	41	115510	17.644	ug/l	100
49) 1,4-Dioxane	9.17	88	35481	350.036	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	724385	95.800	ug/l	98
52) Toluene	10.13	92	250701	17.457	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	159101	16.734	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	173037	16.903	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	97590	17.342	ug/l	97
56) Ethyl methacrylate	10.40	69	153135	17.895	ug/l	99
57) 1,3-Dichloropropane	10.68	76	174246	17.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	392672	85.545	ug/l	100
59) 2-Hexanone	10.72	43	519443	93.146	ug/l	99
60) Dibromochloromethane	10.87	129	106715	17.269	ug/l	97
61) 1,2-Dibromoethane	10.98	107	104343	17.786	ug/l	99
64) Tetrachloroethene	10.60	164	108258	18.156	ug/l	95
65) Chlorobenzene	11.41	112	268509	17.136	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	95776	16.776	ug/l	98
67) Ethyl Benzene	11.49	91	487976	17.347	ug/l	100
68) m/p-Xylenes	11.60	106	352758	33.901	ug/l	99
69) o-Xylene	11.92	106	169605	16.984	ug/l	98
70) Styrene	11.94	104	280975	16.929	ug/l	99
71) Bromoform	12.10	173	66589	16.863	ug/l #	98
73) Isopropylbenzene	12.23	105	452729	17.566	ug/l	100
74) N-amyl acetate	12.05	43	192099	18.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	133963	18.149	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	186921	26.516	ug/l #	100
77) Bromobenzene	12.50	156	104193	17.587	ug/l	98
78) n-propylbenzene	12.57	91	525970	17.964	ug/l	100
79) 2-Chlorotoluene	12.65	91	314995	17.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	385686	18.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	47187	17.985	ug/l	97
82) 4-Chlorotoluene	12.75	91	328200	17.391	ug/l	99
83) tert-Butylbenzene	12.97	119	307662	16.951	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	392054	18.175	ug/l	99
85) sec-Butylbenzene	13.15	105	417405	18.076	ug/l	99
86) p-Isopropyltoluene	13.26	119	373488	17.643	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	187568	17.318	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	185779	17.271	ug/l	97
89) n-Butylbenzene	13.59	91	323254	16.916	ug/l	99
90) Hexachloroethane	13.85	117	61619	17.696	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	189062	17.662	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28693	17.094	ug/l	98

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Instrument :
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ClientSampleId :
VN0914WBSD01

Quant Time: Sep 15 05:11:15 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

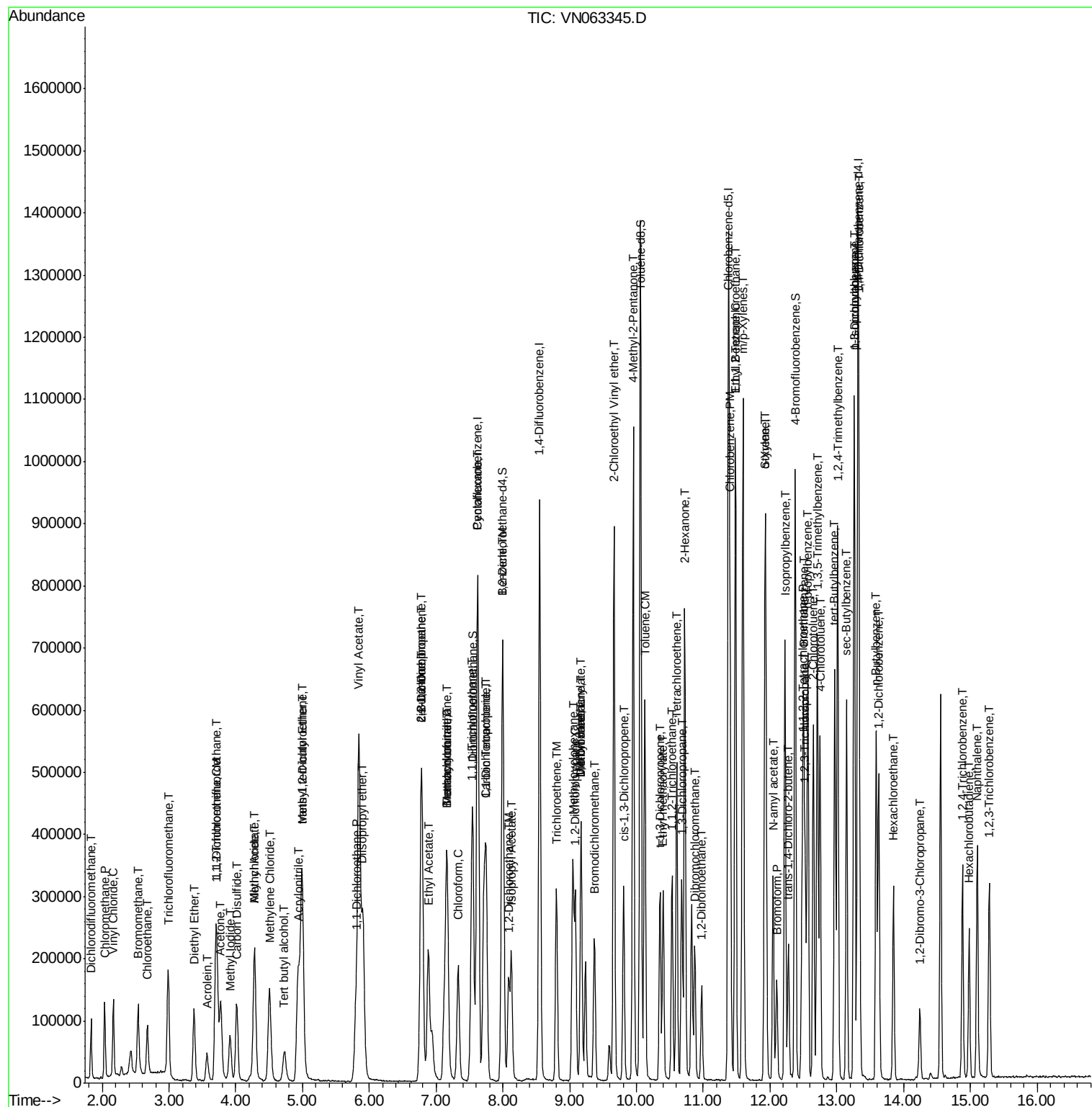
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	100009	15.961	ug/l	99
94) Hexachlorobutadiene	14.98	225	38701	16.279	ug/l	99
95) Naphthalene	15.10	128	313557	16.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	96972	16.684	ug/l	99

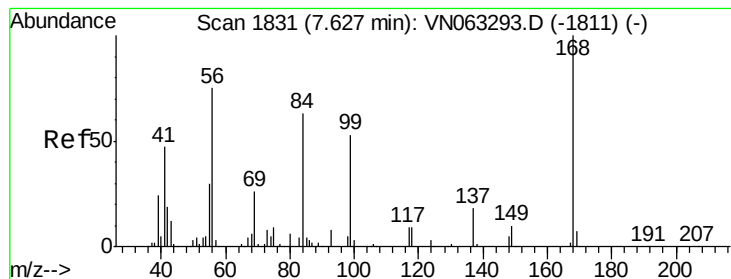
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\
Data File : VN063345.D
Acq On : 14 Sep 2020 16:07
Operator : JC/MD
Sample : VN0914WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VN0914WBSD01

Quant Time: Sep 15 05:11:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 11 06:02:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

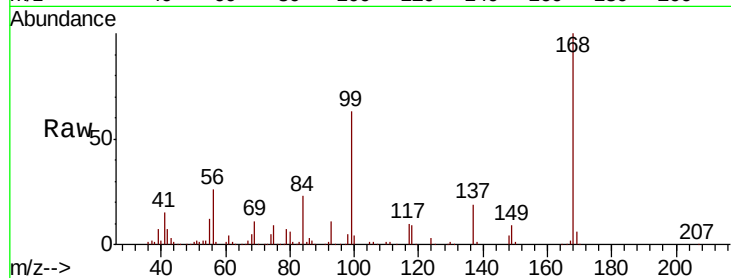
VN0914WBSD01

Tot Ion:168 Resp: 443691

Ion Ratio Lower Upper

168 100

99 62.6 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): VN063293.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063293.D (-1811) (-)

7.63

200000

150000

100000

50000

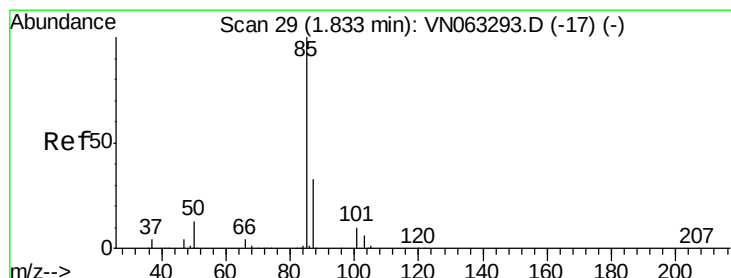
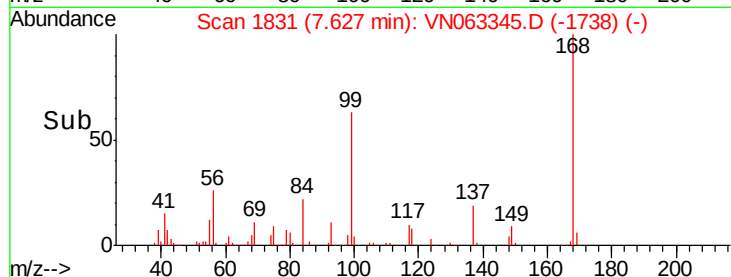
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.753 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063345.D

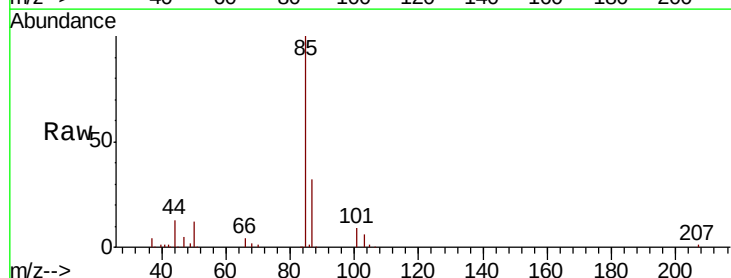
Acq: 14 Sep 2020 16:07

Tgt Ion: 85 Resp: 71386

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN063293.D (-17) (-)

Ion 86.90 (86.60 to 87.60): VN063293.D (-17) (-)

1.83

60000

50000

40000

30000

20000

10000

0

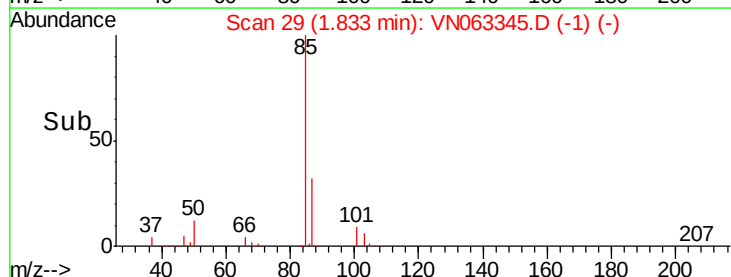
1.75

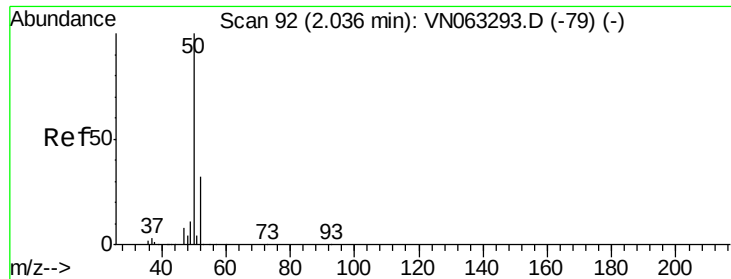
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 18.113 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

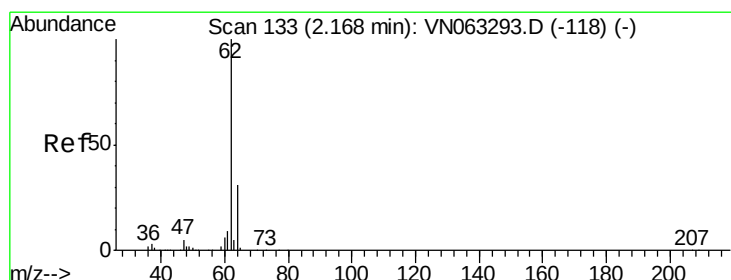
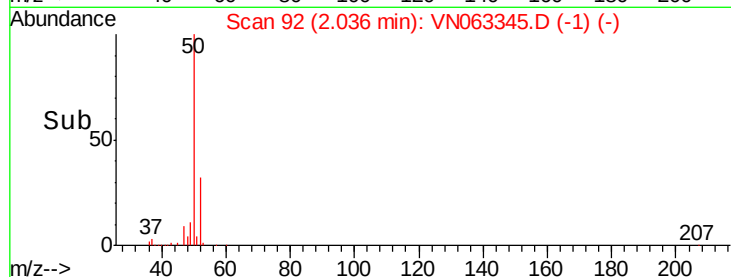
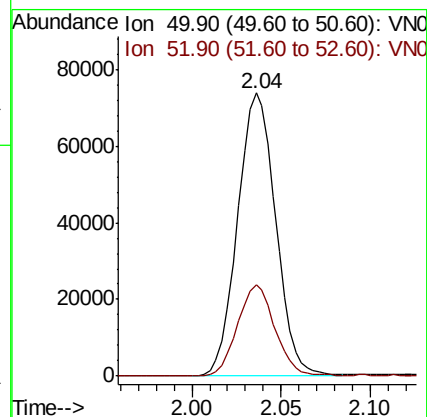
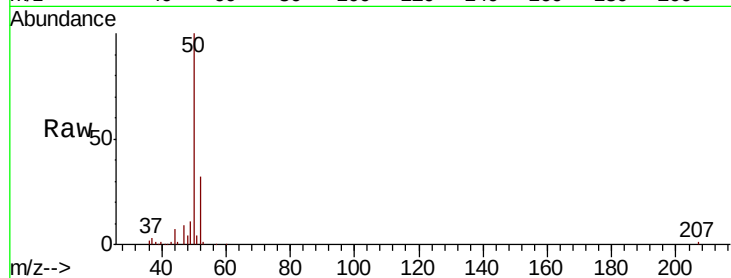
VN0914WBSD01

Tot Ion: 50 Resp: 109748

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.2



#4

Vinyl Chloride

Concen: 18.451 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063345.D

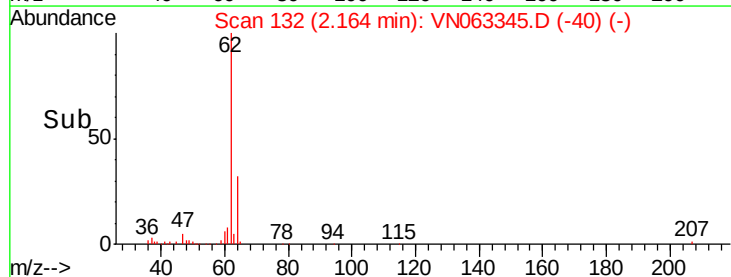
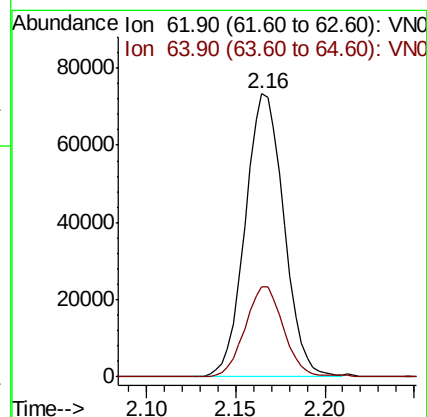
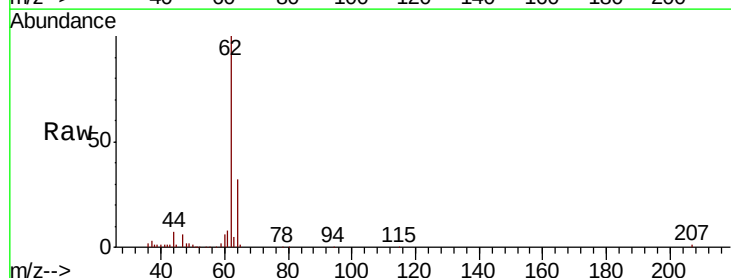
Acq: 14 Sep 2020 16:07

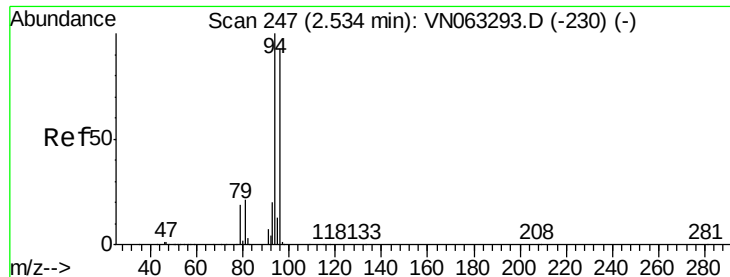
Tgt Ion: 62 Resp: 111234

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 17.867 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

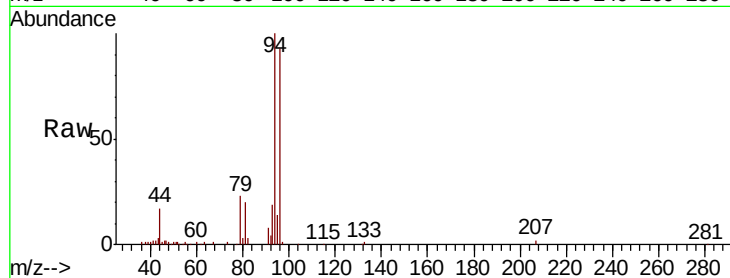
VN0914WBSD01

Tot Ion: 94 Resp: 75153

Ion Ratio Lower Upper

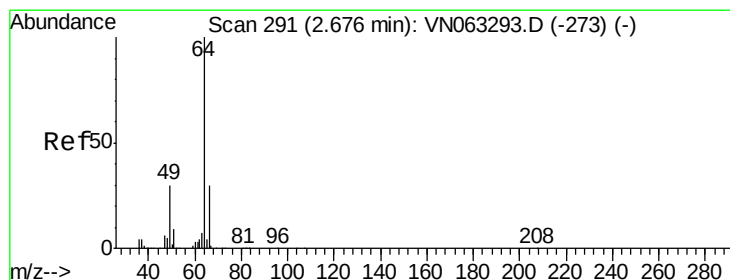
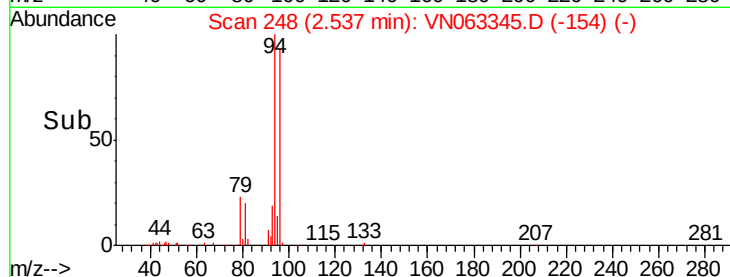
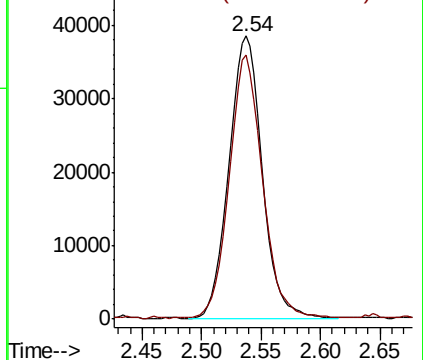
94 100

96 92.6 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: 18.137 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063345.D

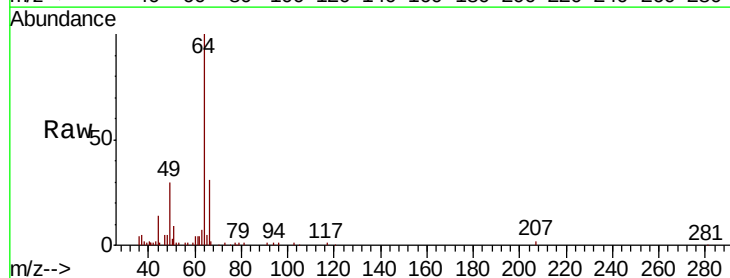
Acq: 14 Sep 2020 16:07

Tgt Ion: 64 Resp: 71528

Ion Ratio Lower Upper

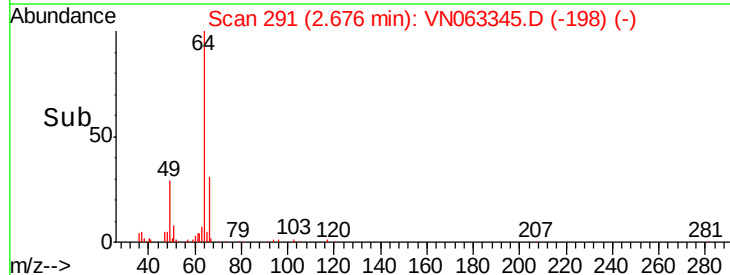
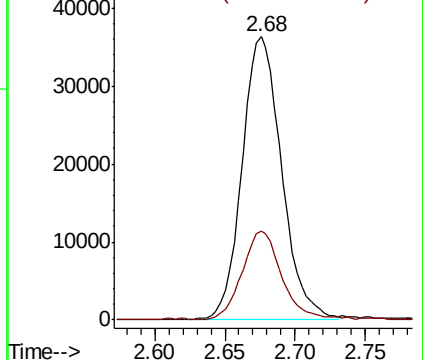
64 100

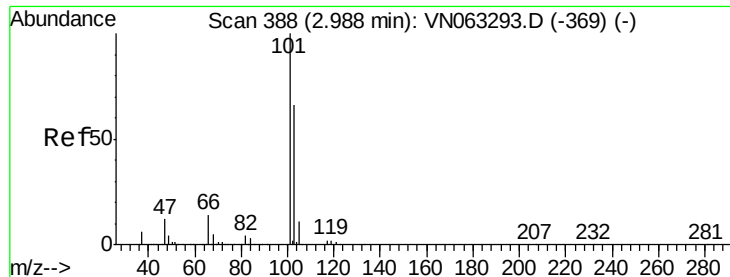
66 31.2 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



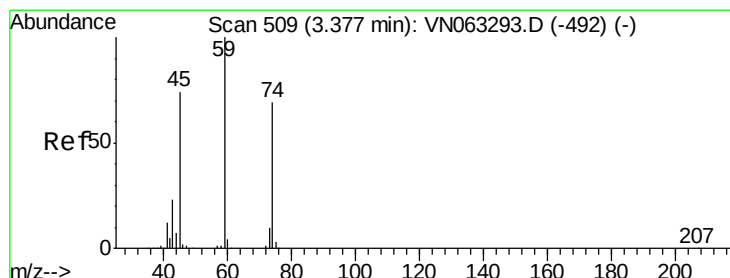
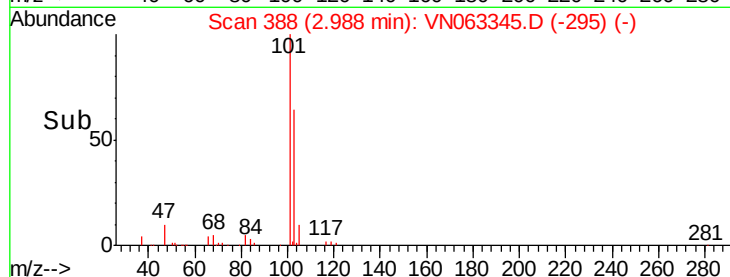
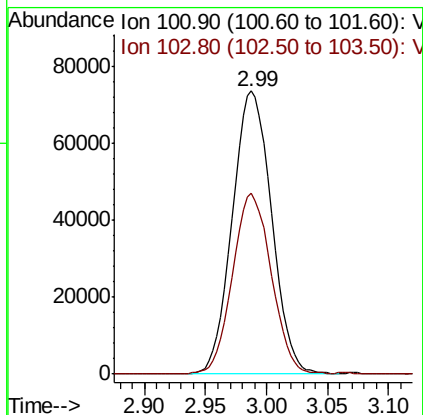
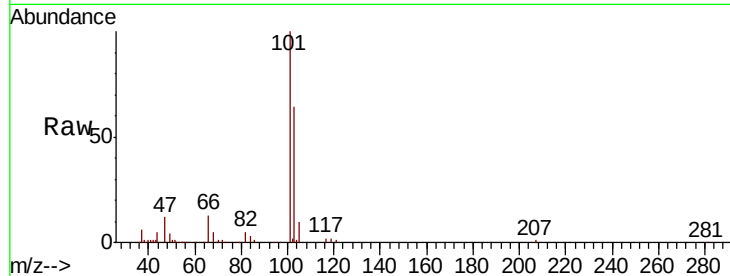


#7

Trichlorofluoromethane
Concen: 17.668 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

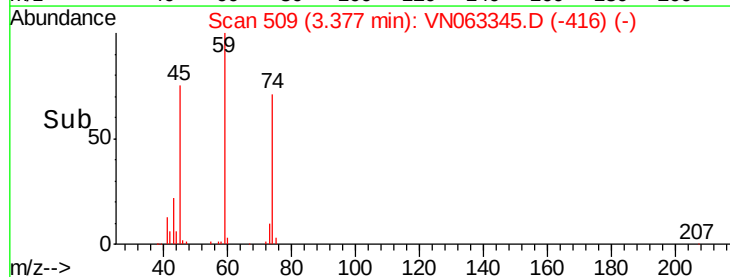
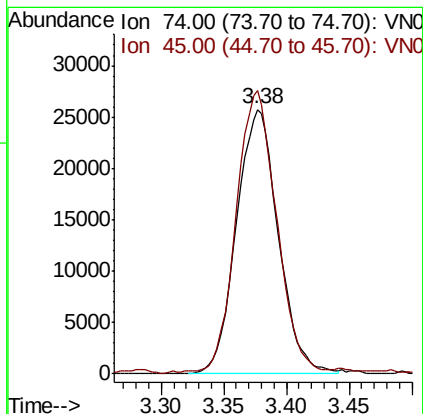
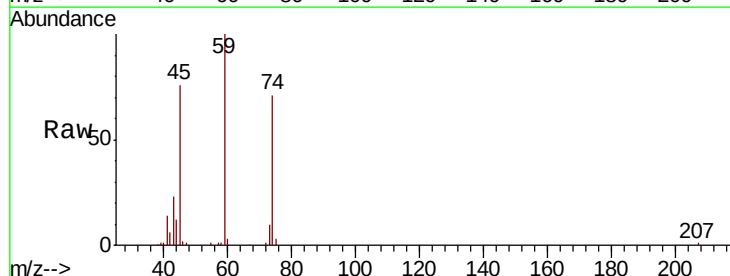
Tot Ion:101 Resp: 164715
Ion Ratio Lower Upper
101 100
103 63.5 52.4 78.6

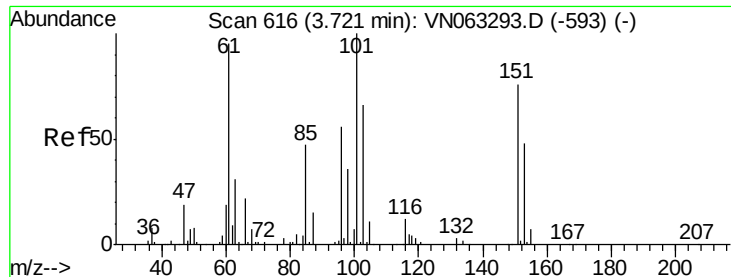


#8

Diethyl Ether
Concen: 17.972 ug/l
RT: 3.38 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 74 Resp: 59742
Ion Ratio Lower Upper
74 100
45 101.5 52.7 158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.173 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

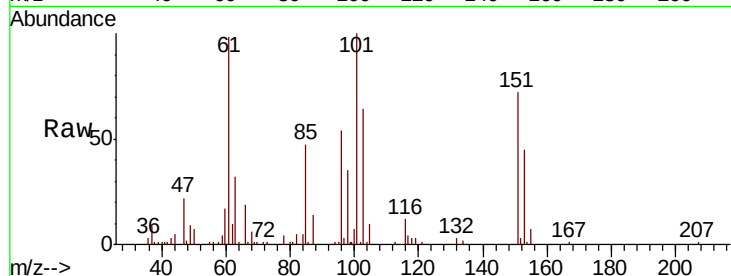
Tot Ion:101 Resp: 83648

Ion Ratio Lower Upper

101 100

85 46.6 36.9 55.3

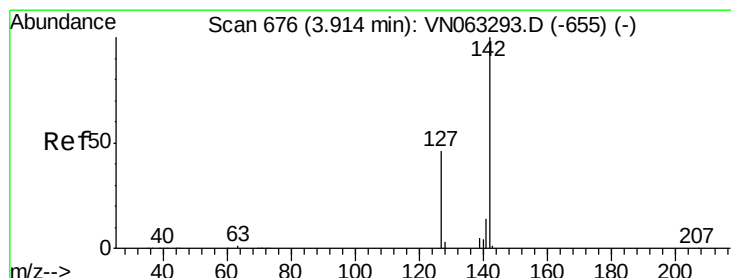
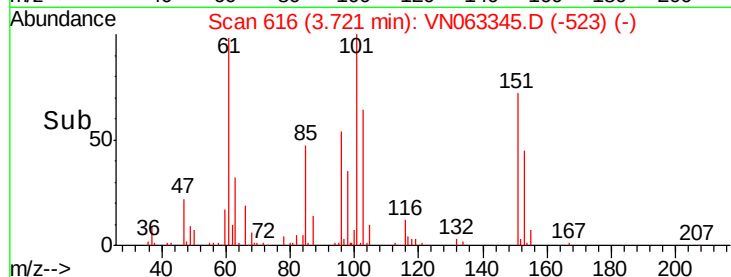
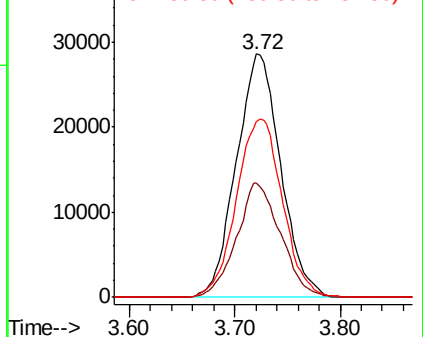
151 75.9 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.959 ug/l

RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

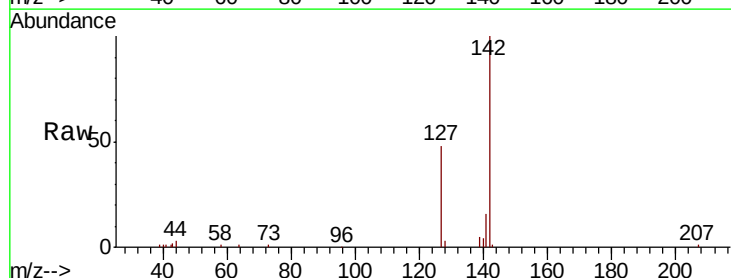
Tgt Ion:142 Resp: 113390

Ion Ratio Lower Upper

142 100

127 46.4 37.1 55.7

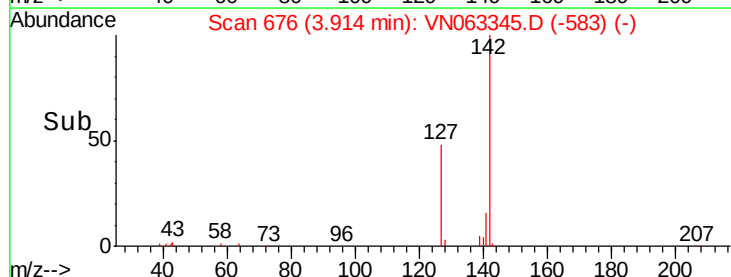
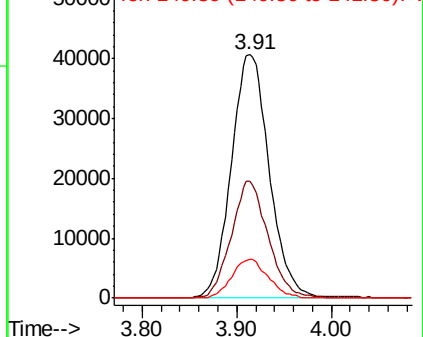
141 15.3 11.6 17.4

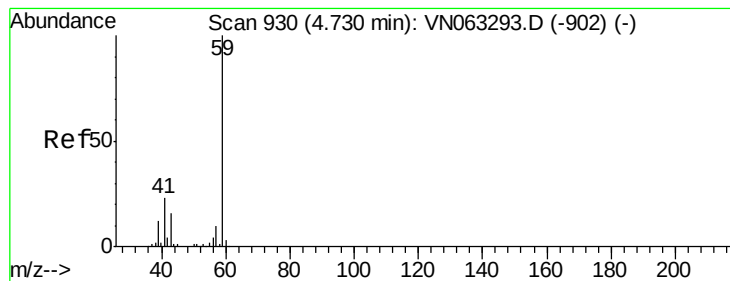


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.462 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

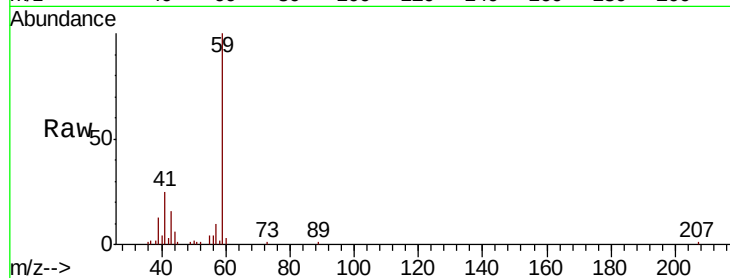
VN0914WBSD01

Tot Ion: 59 Resp: 88905

Ion Ratio Lower Upper

59 100

57 7.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

25000

20000

15000

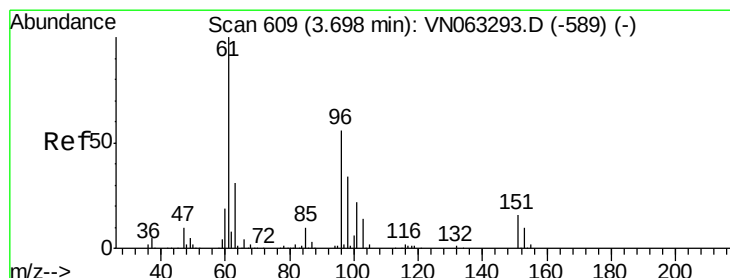
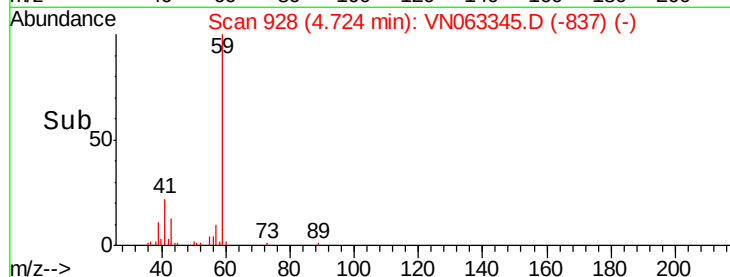
10000

5000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 17.652 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

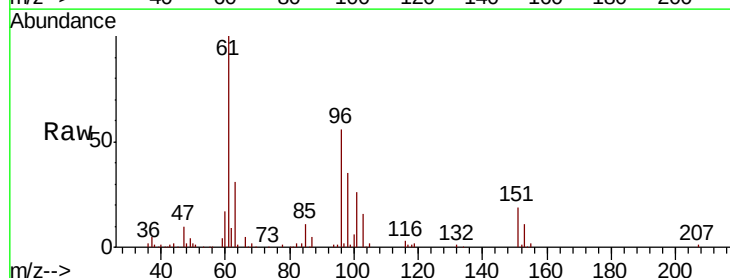
Tgt Ion: 96 Resp: 85825

Ion Ratio Lower Upper

96 100

61 179.0 142.1 213.1

98 62.6 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

80000

60000

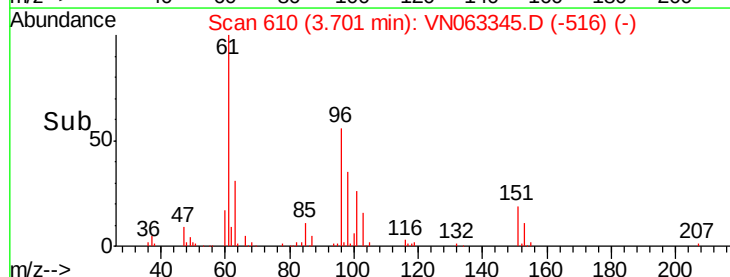
40000

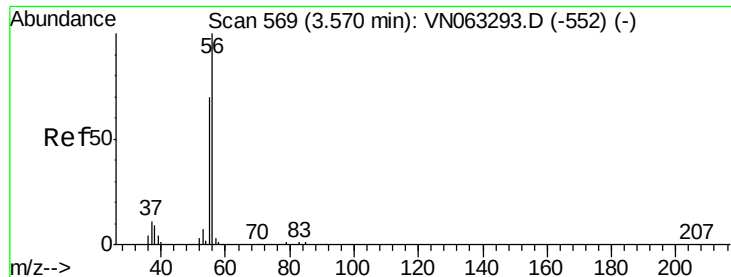
20000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 120.474 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

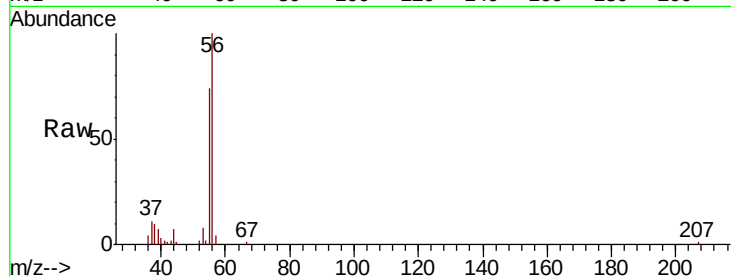
VN0914WBSD01

Tot Ion: 56 Resp: 50820

Ion Ratio Lower Upper

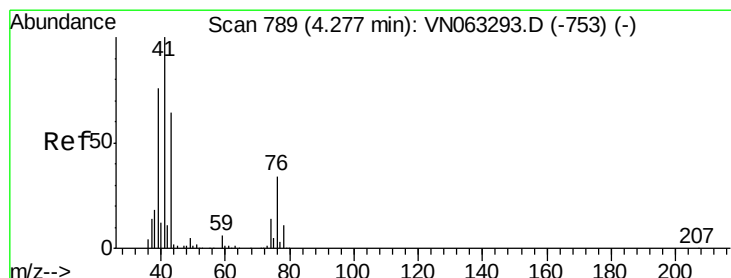
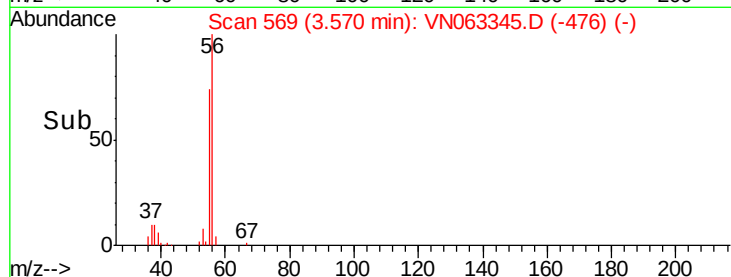
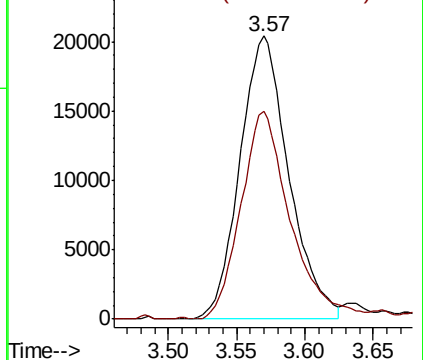
56 100

55 74.3 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.231 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

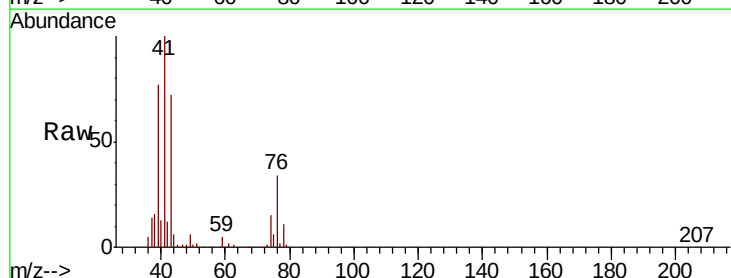
Tgt Ion: 41 Resp: 162006

Ion Ratio Lower Upper

41 100

39 74.3 57.4 86.2

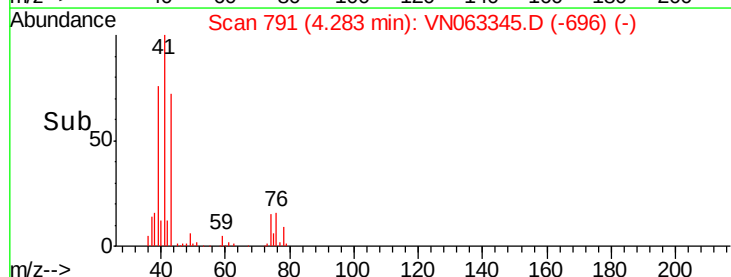
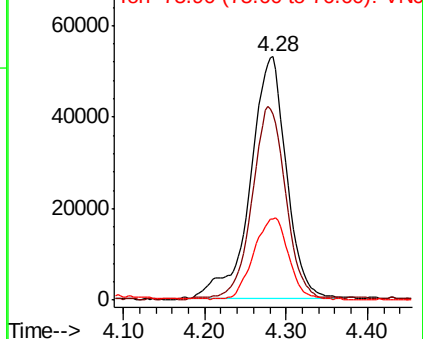
76 32.1 25.7 38.5

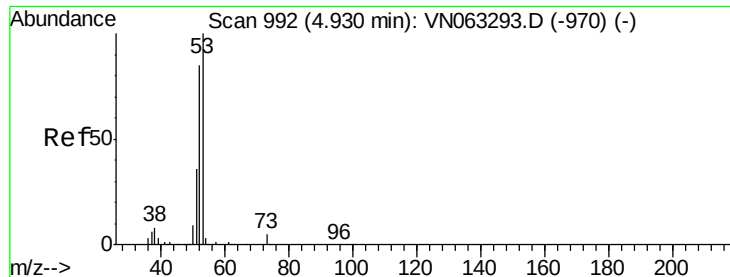


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.139 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

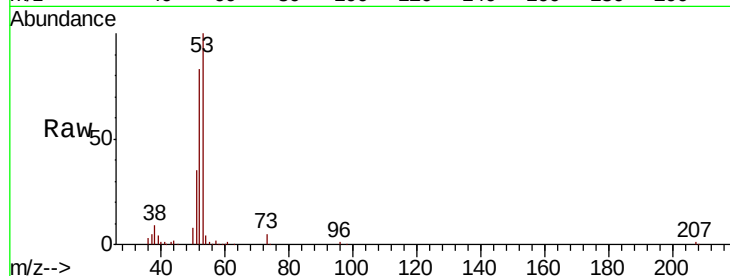
Tot Ion: 53 Resp: 237225

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

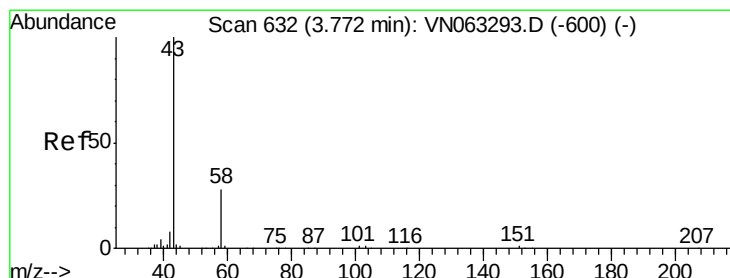
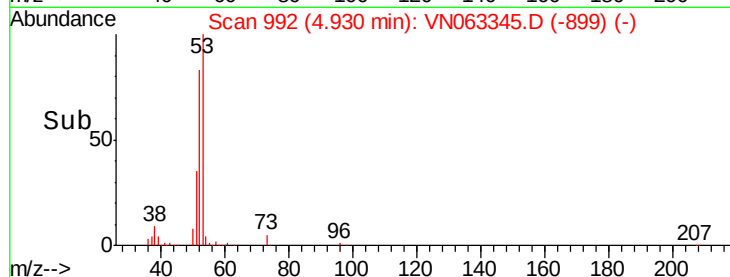
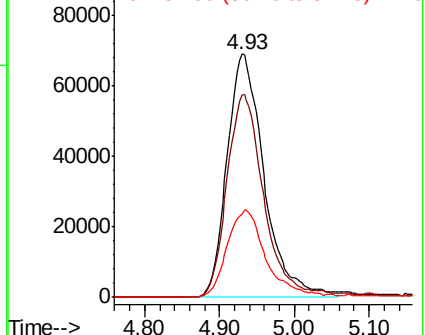
51 37.5 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.587 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063345.D

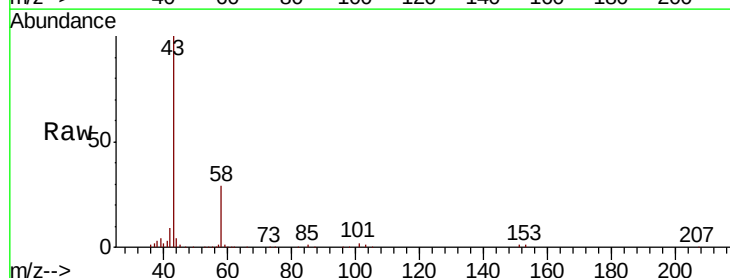
Acq: 14 Sep 2020 16:07

Tgt Ion: 43 Resp: 206017

Ion Ratio Lower Upper

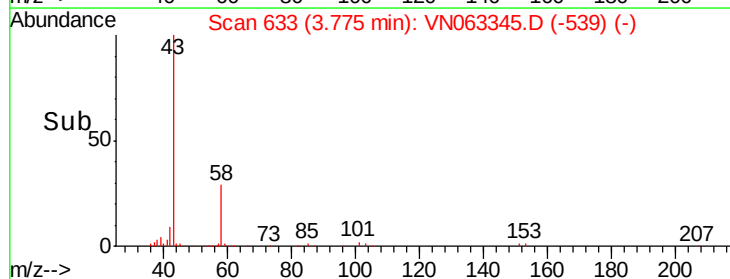
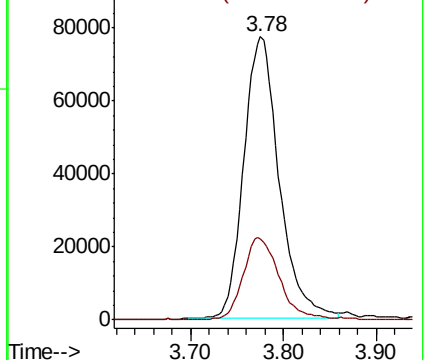
43 100

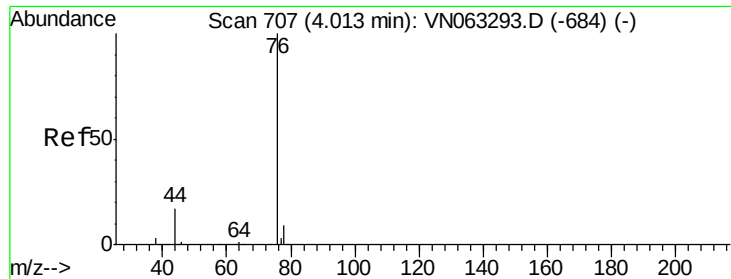
58 28.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.336 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

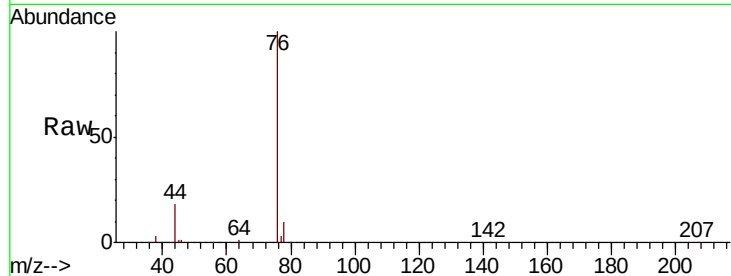
VN0914WBSD01

Tot Ion: 76 Resp: 244920

Ion Ratio Lower Upper

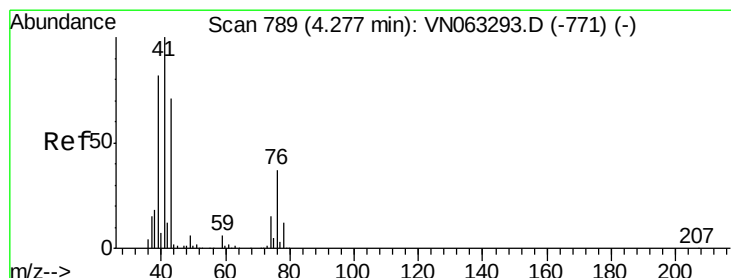
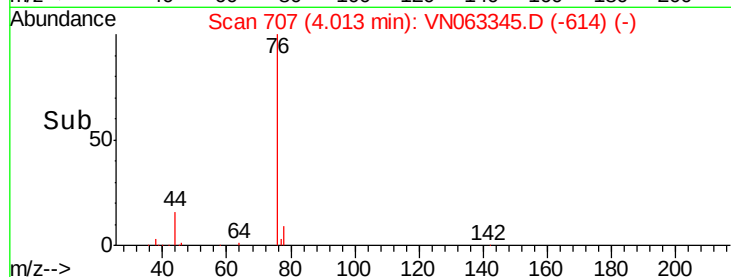
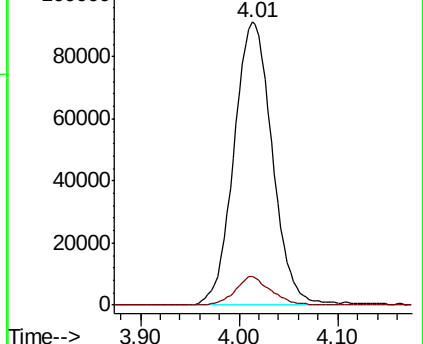
76 100

78 10.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.977 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN063345.D

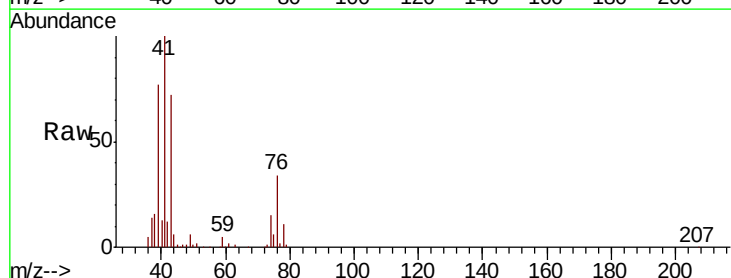
Acq: 14 Sep 2020 16:07

Tgt Ion: 43 Resp: 114832

Ion Ratio Lower Upper

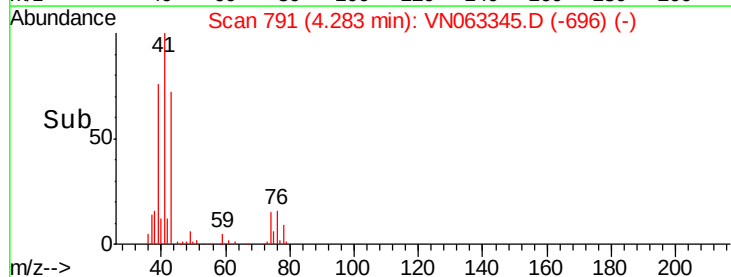
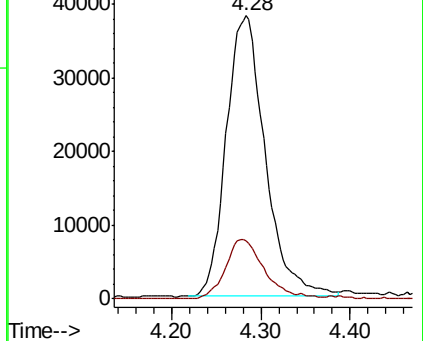
43 100

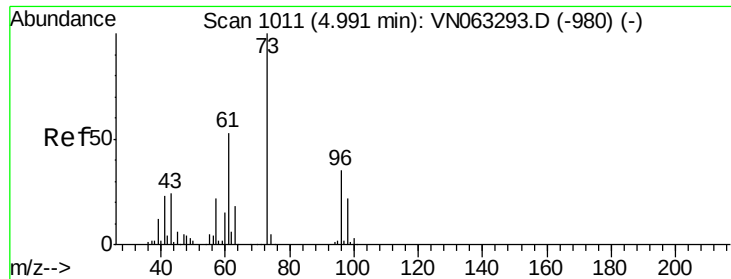
74 20.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

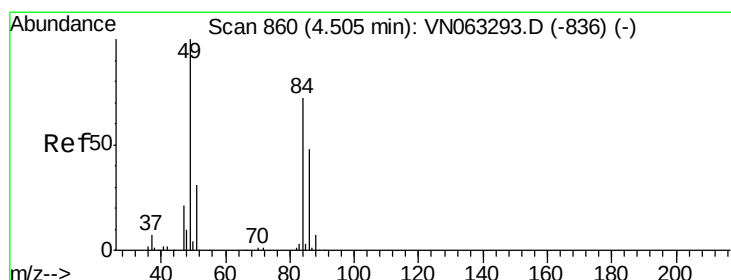
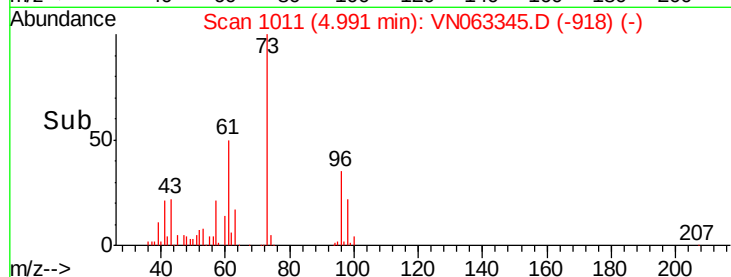
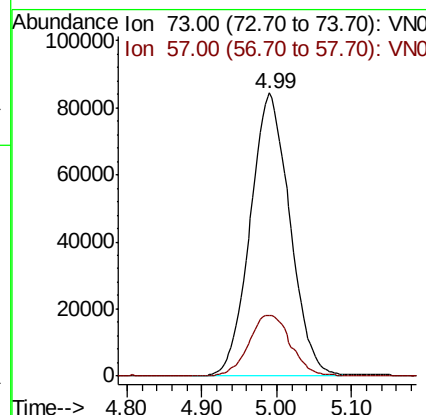
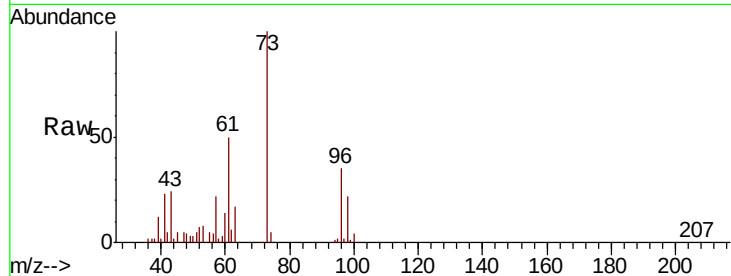




#19
Methvl tert-butvl Ether
Concen: 17.912 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

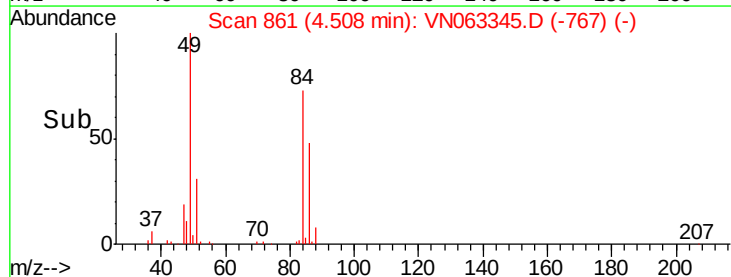
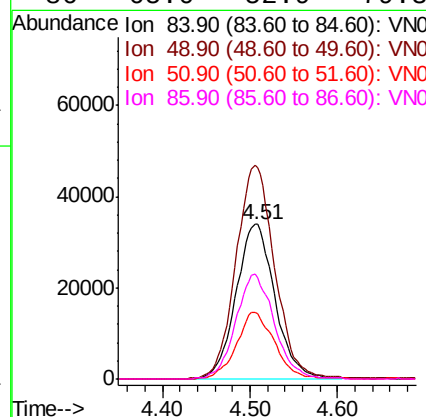
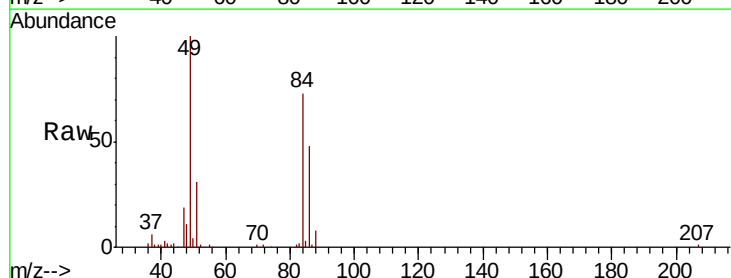
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

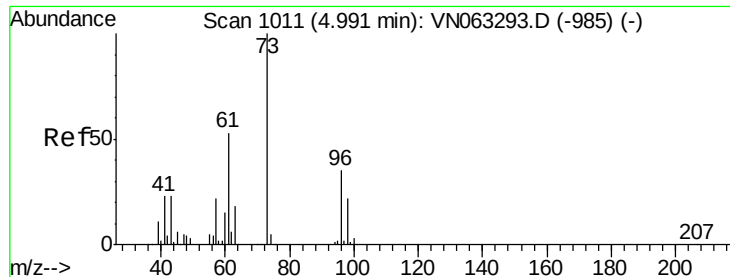
Tot Ion: 73 Resp: 311200
Ion Ratio Lower Upper
73 100
57 21.6 17.5 26.3



#20
Methylene Chloride
Concen: 18.307 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 84 Resp: 104755
Ion Ratio Lower Upper
84 100
49 136.1 111.1 166.7
51 42.0 34.3 51.5
86 65.0 52.9 79.3

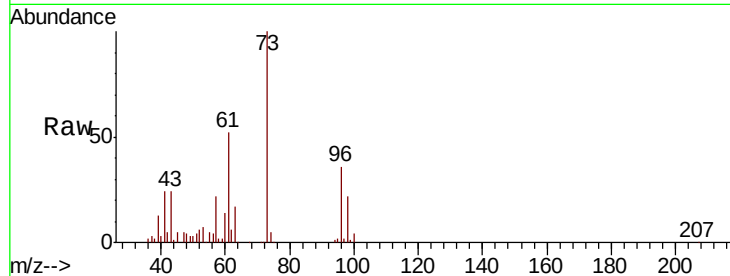




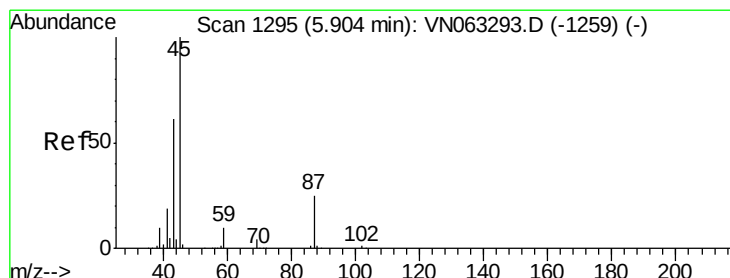
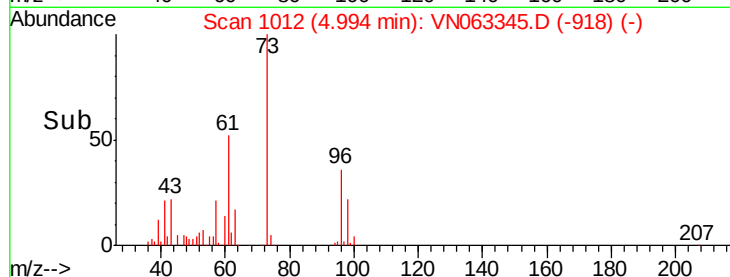
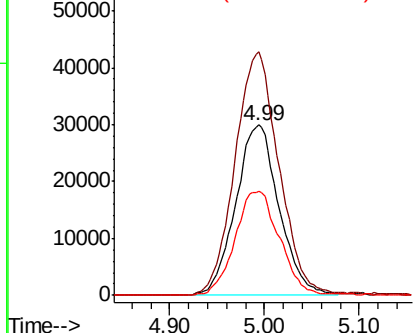
#21
trans-1,2-Dichloroethene
Concen: 17.550 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion: 96 Resp: 95491
Ion Ratio Lower Upper
96 100
61 142.9 121.8 182.8
98 60.7 51.2 76.8

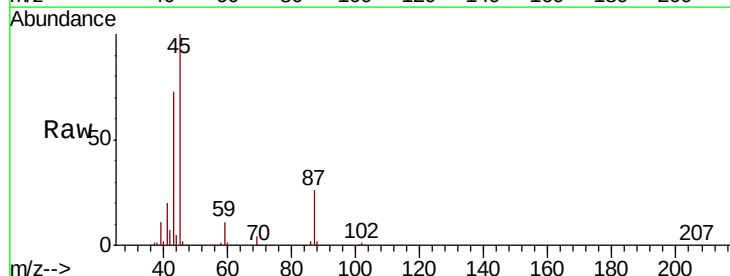


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

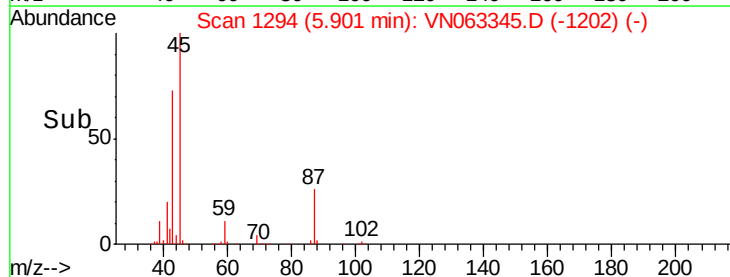
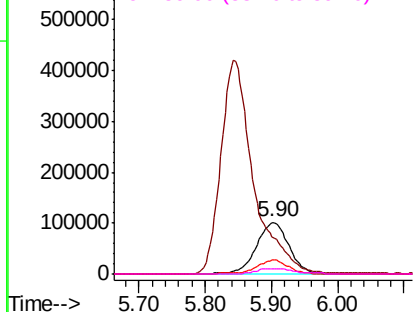


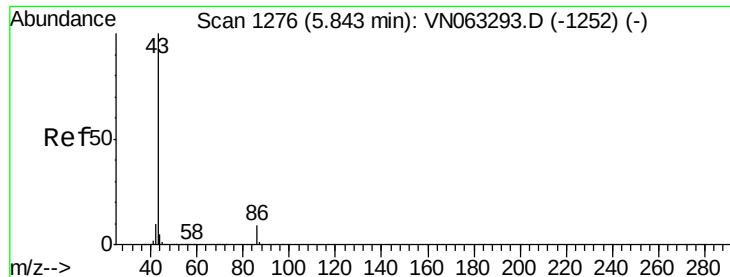
#22
Diisopropyl ether
Concen: 17.711 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 45 Resp: 347890
Ion Ratio Lower Upper
45 100
43 72.5 50.3 75.5
87 26.1 20.7 31.1
59 10.7 8.4 12.6



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 93.346 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

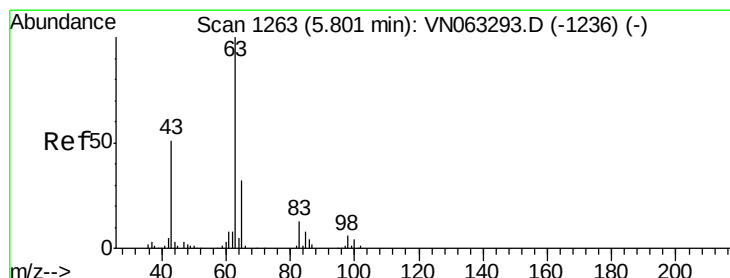
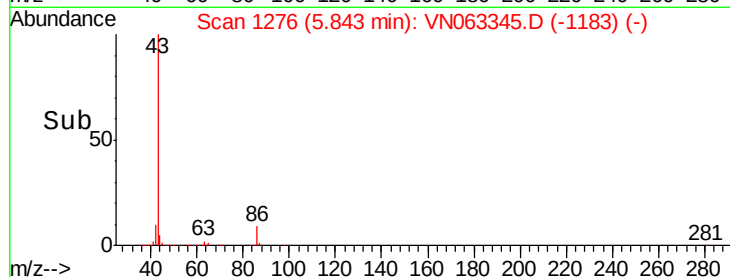
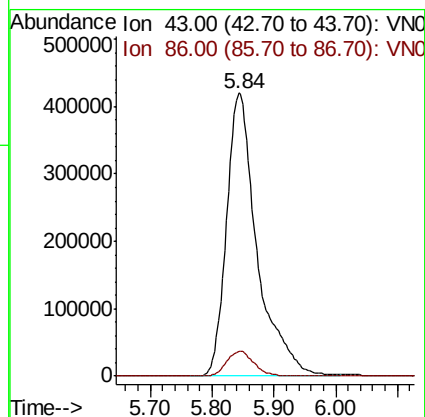
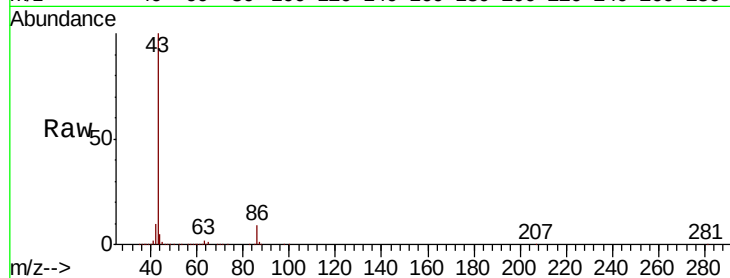
VN0914WBSD01

Tot Ion: 43 Resp: 1443224

Ion Ratio Lower Upper

43 100

86 8.5 7.2 10.8



#24

1,1-Dichloroethane

Concen: 17.926 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

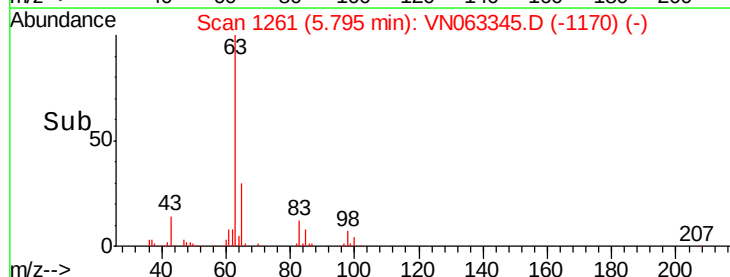
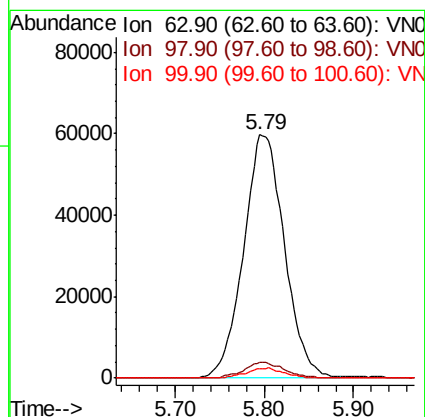
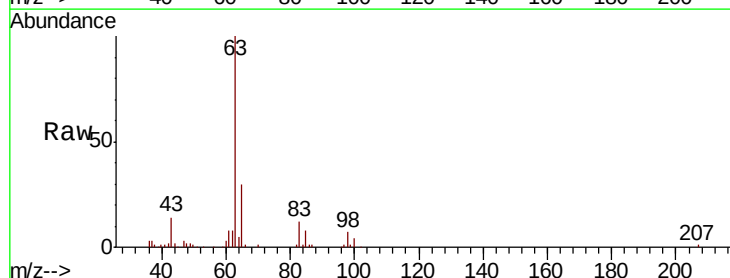
Tgt Ion: 63 Resp: 190686

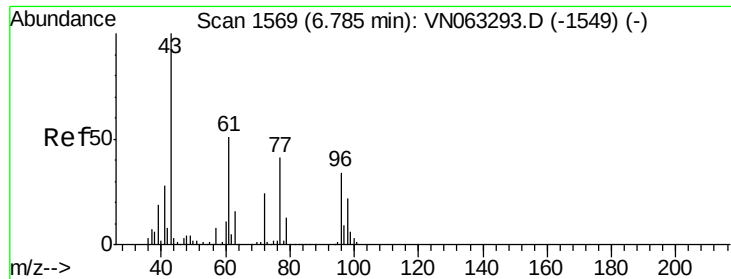
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 3.9 2.0 6.0

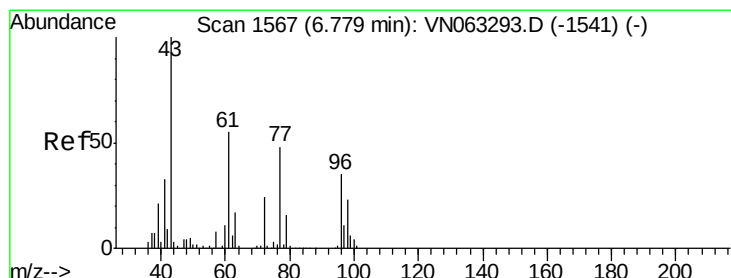
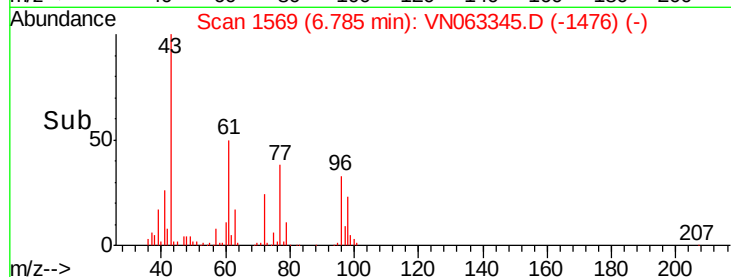
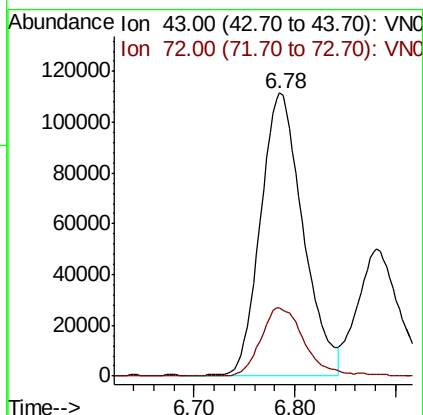
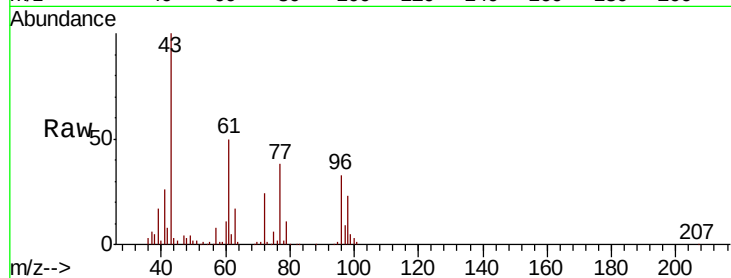




#25
 2-Butanone
 Concen: 91.283 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

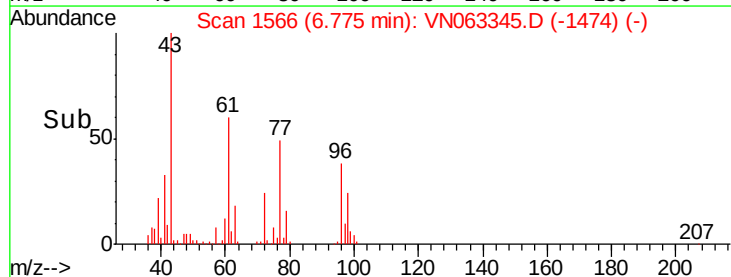
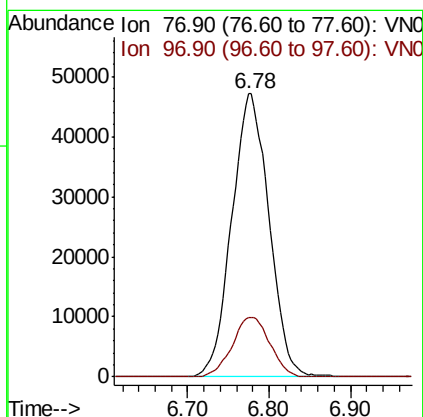
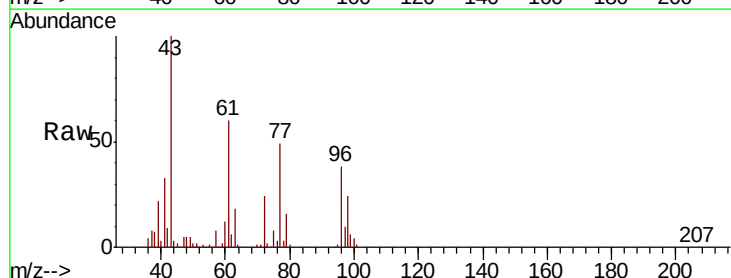
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

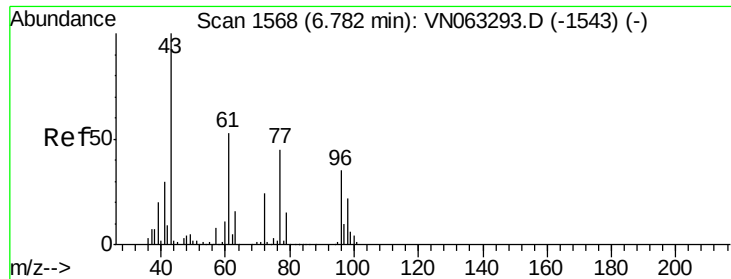
Tot Ion: 43 Resp: 324579
 Ion Ratio Lower Upper
 43 100
 72 24.2 19.4 29.2



#26
 2,2-Dichloropropane
 Concen: 16.046 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 77 Resp: 149604
 Ion Ratio Lower Upper
 77 100
 97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.602 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

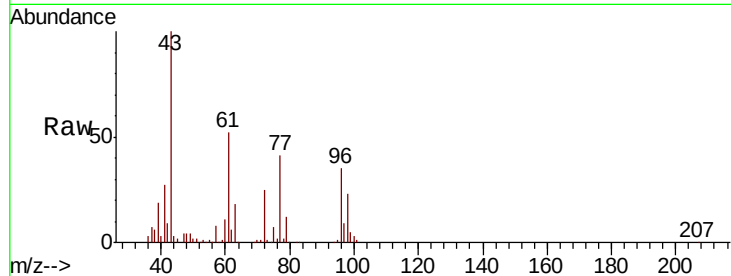
Tot Ion: 96 Resp: 111616

Ion Ratio Lower Upper

96 100

61 154.7 0.0 322.8

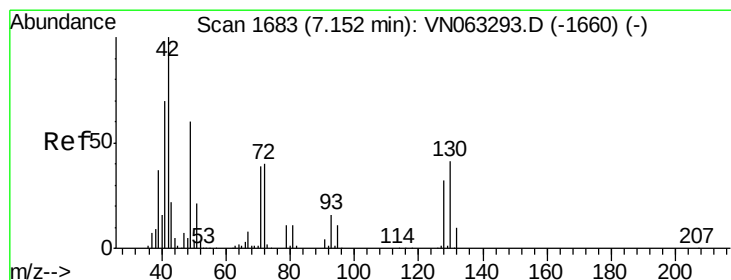
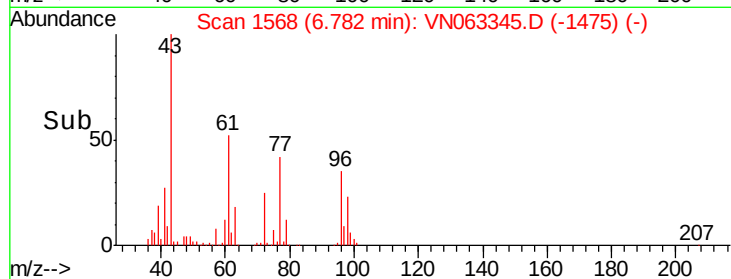
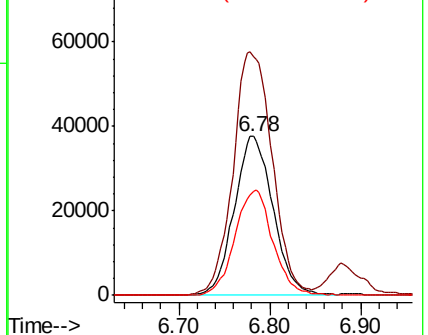
98 64.7 0.0 132.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.526 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

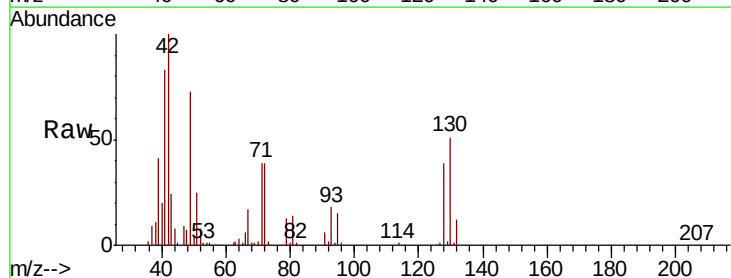
Tgt Ion: 49 Resp: 90400

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

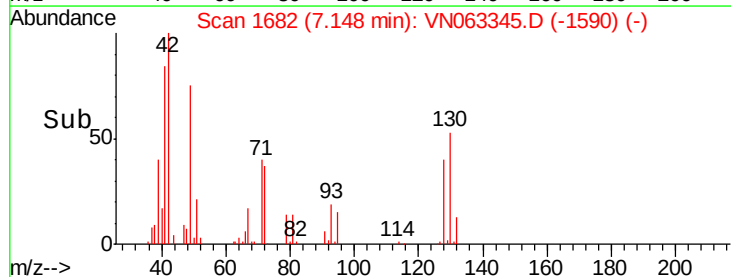
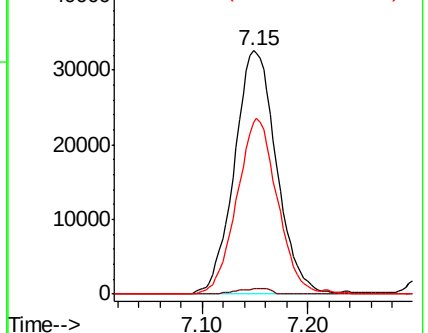
130 69.1 53.1 79.7

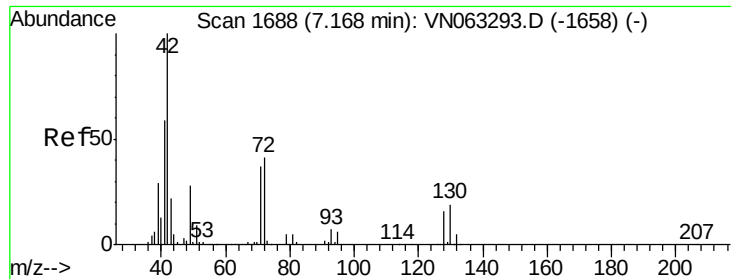


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 93.271 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

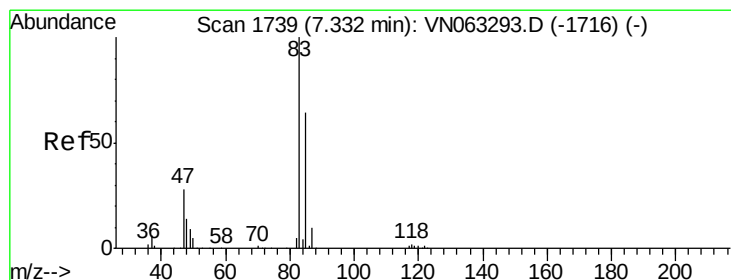
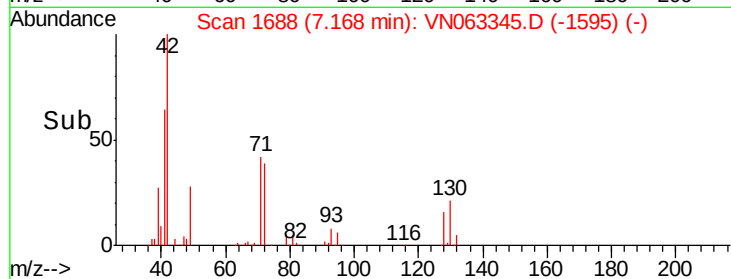
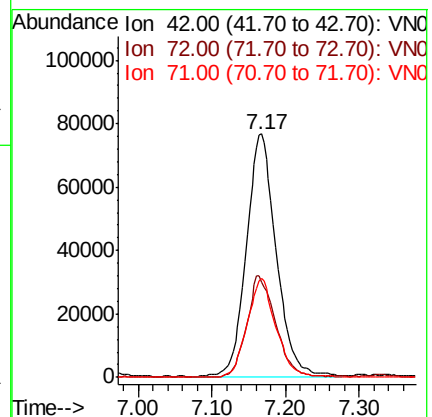
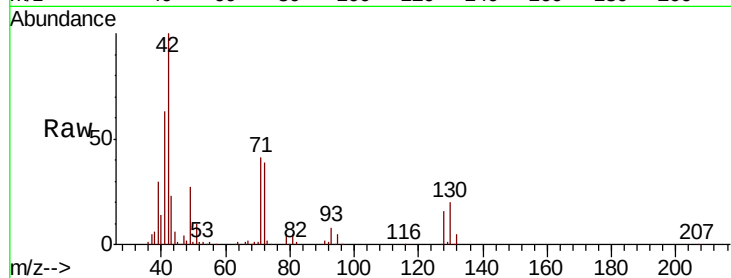
Tot Ion: 42 Resp: 215949

Ion Ratio Lower Upper

42 100

72 40.5 31.4 47.2

71 39.1 30.0 45.0



#30

Chloroform

Concen: 17.672 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VN063345.D

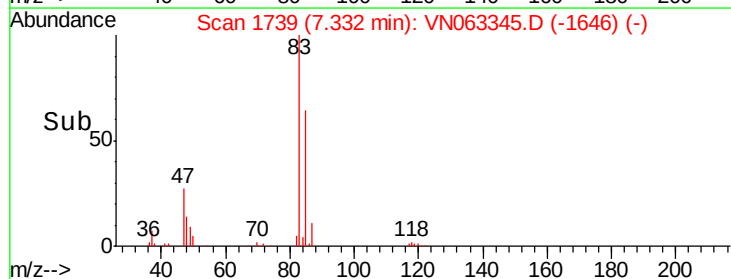
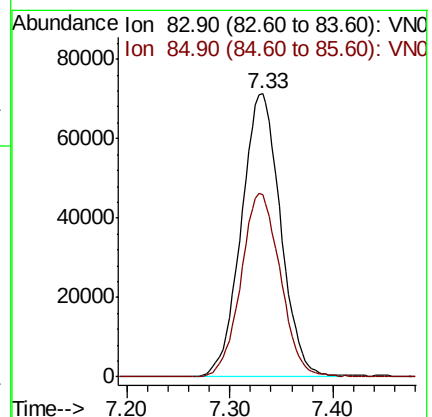
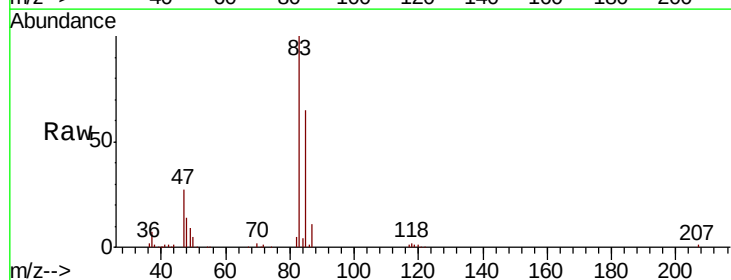
Acq: 14 Sep 2020 16:07

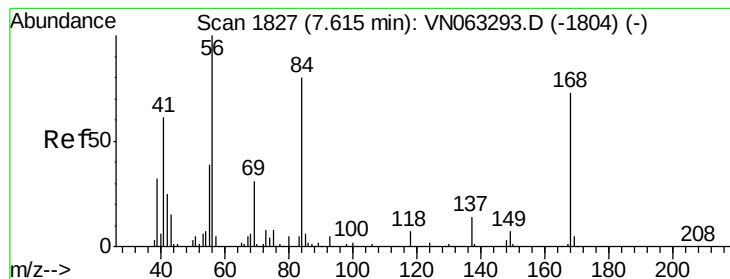
Tgt Ion: 83 Resp: 188216

Ion Ratio Lower Upper

83 100

85 64.5 51.2 76.8





#31

Cyclohexane

Concen: 17.236 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

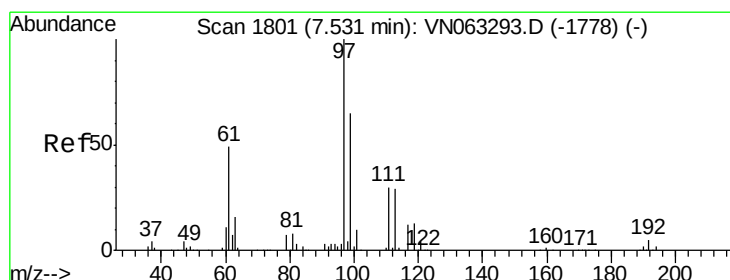
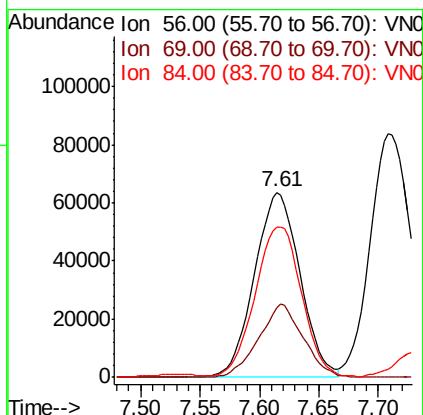
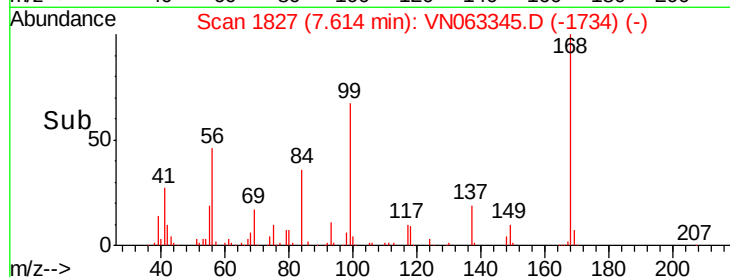
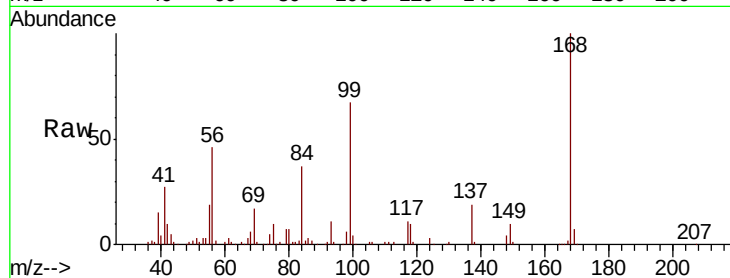
Tot Ion: 56 Resp: 168519

Ion Ratio Lower Upper

56 100

69 37.5 25.1 37.7

84 79.3 64.2 96.2



#32

1,1,1-Trichloroethane

Concen: 17.195 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

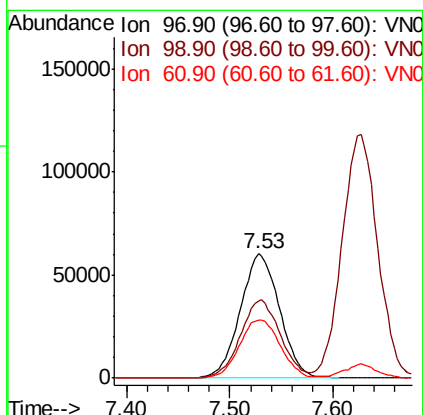
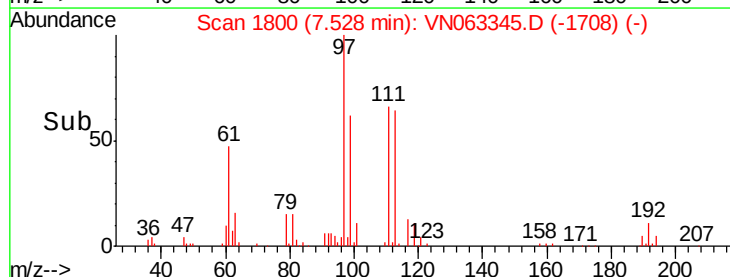
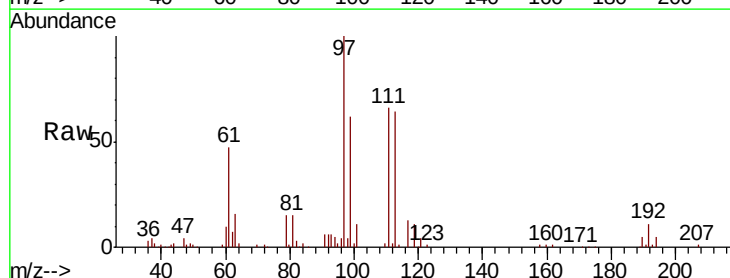
Tgt Ion: 97 Resp: 159645

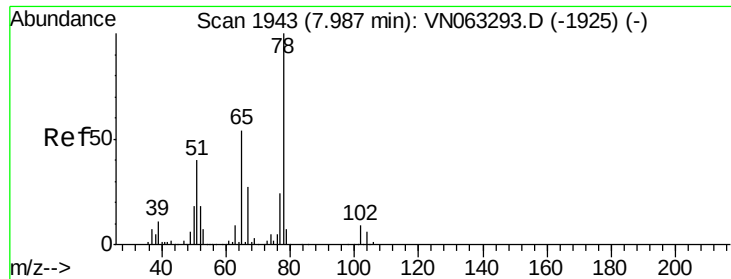
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.2

61 49.1 38.9 58.3

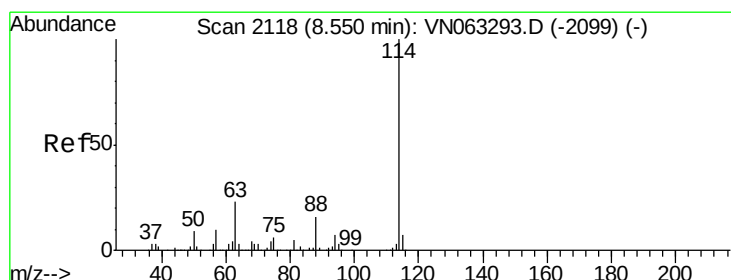
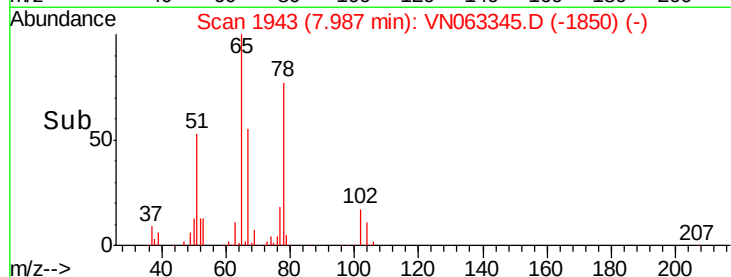
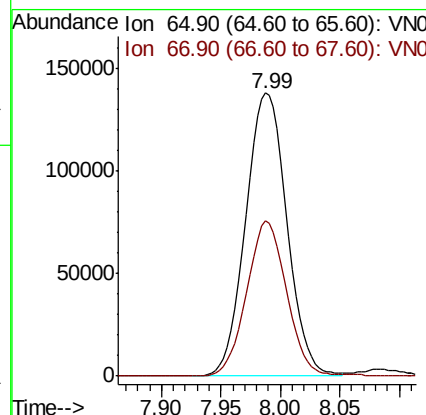
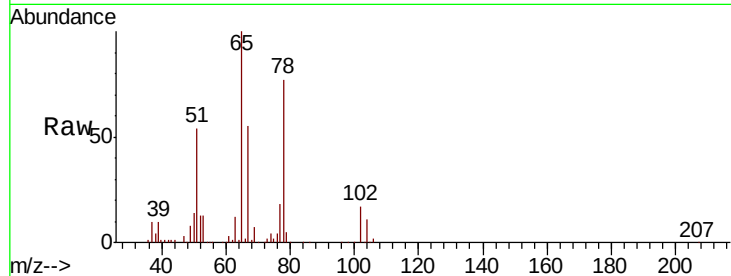




#33
 1,2-Dichloroethane-d4
 Concen: 47.622 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

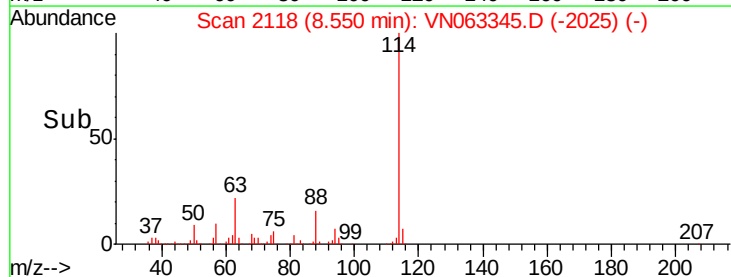
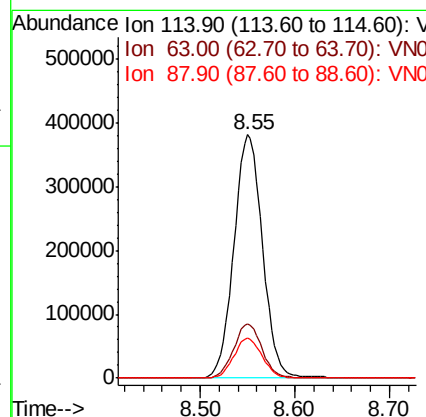
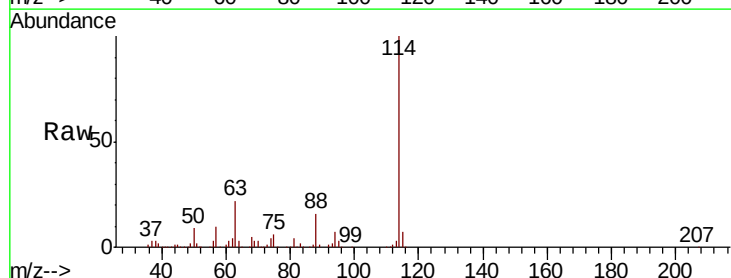
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

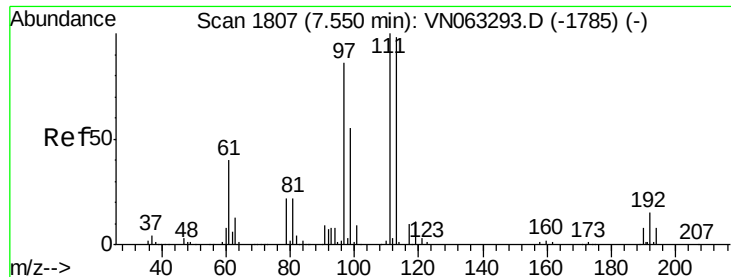
Tot Ion: 65 Resp: 331969
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 114 Resp: 801188
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.0
 88 16.4 0.0 32.8

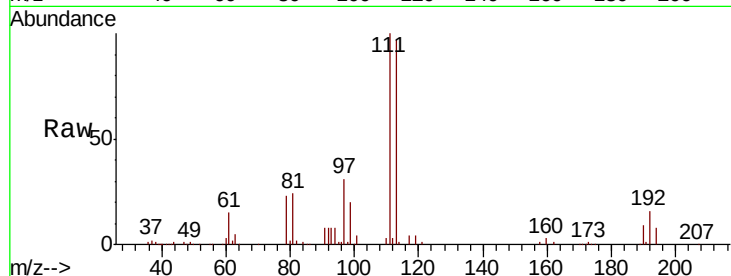




#35
 Dibromofluoromethane
 Concen: 47.085 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	17.1	12.9	19.3

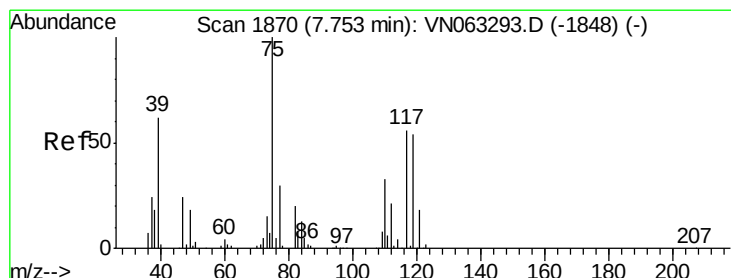
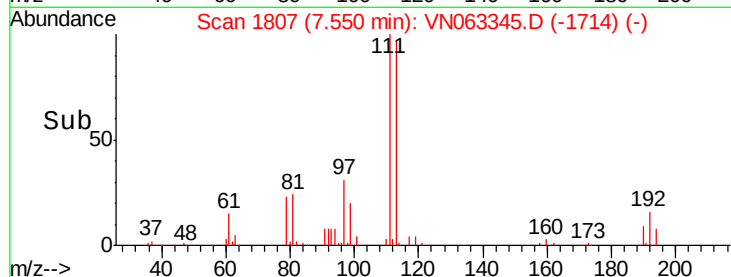
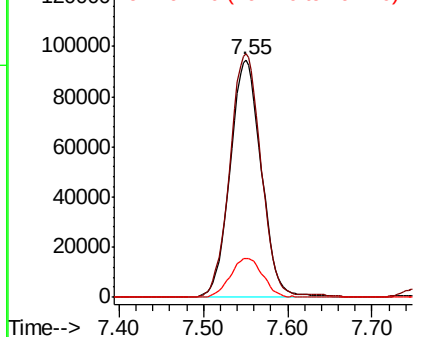


Abundance

Ion 112.80 (112.50 to 113.50): V

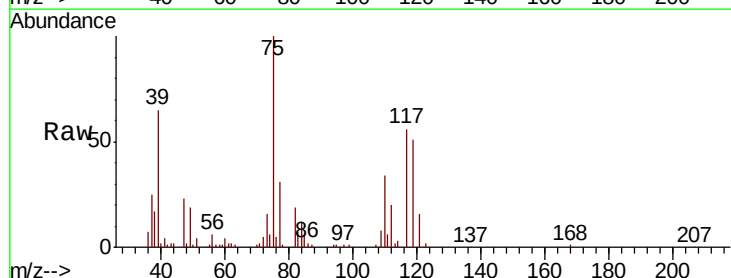
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 16.927 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.4	49.4
77	31.0	24.8	37.2

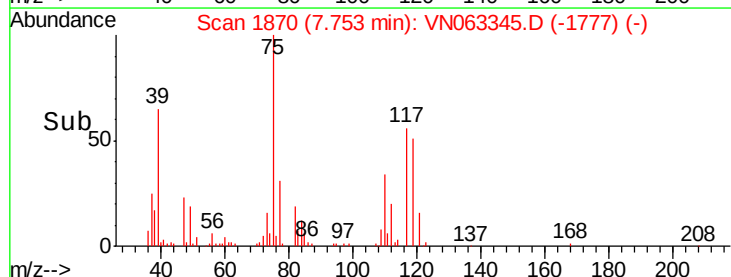
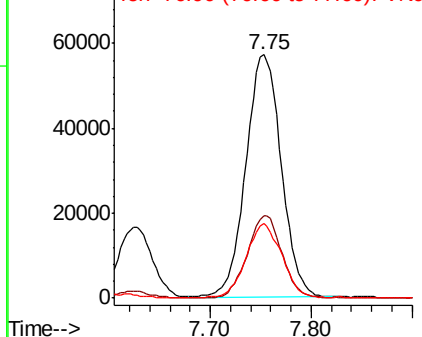


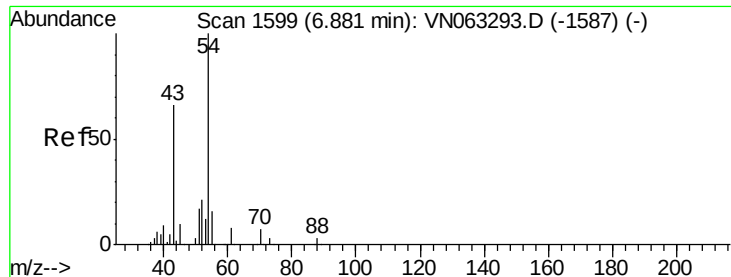
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

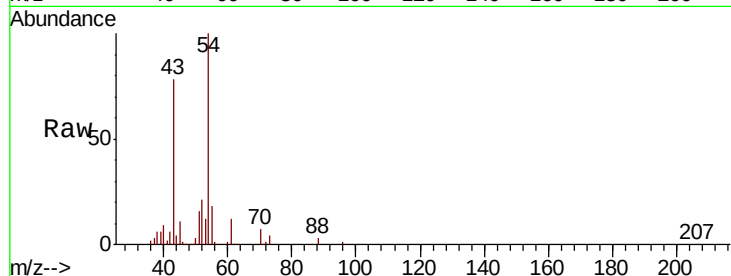




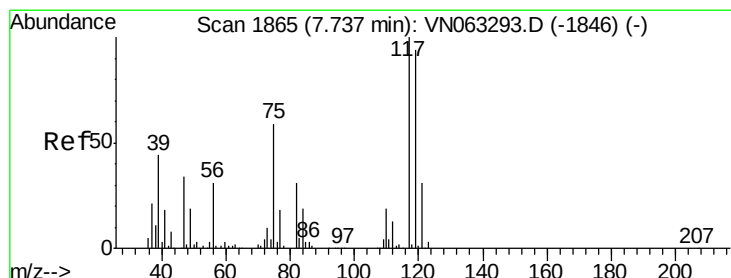
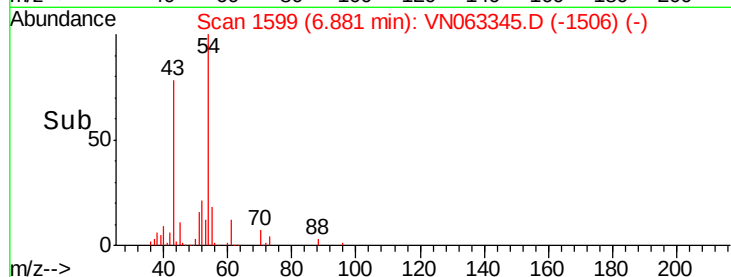
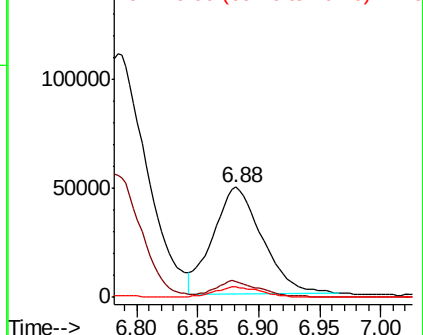
#37
Ethyl Acetate
Concen: 17.123 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion: 43 Resp: 138730
Ion Ratio Lower Upper
43 100
61 12.9 10.1 15.1
70 9.3 7.4 11.2

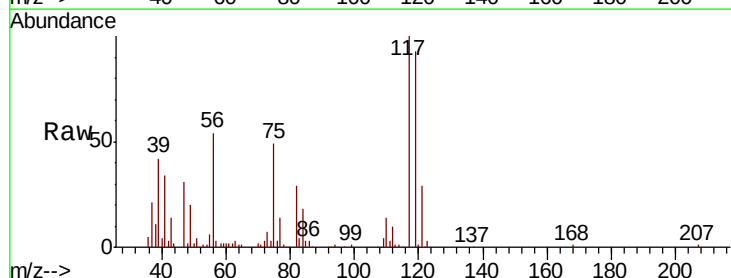


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

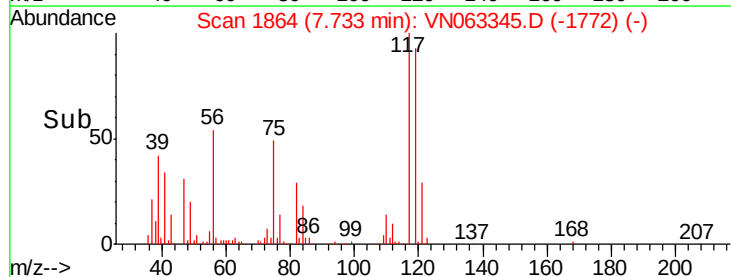
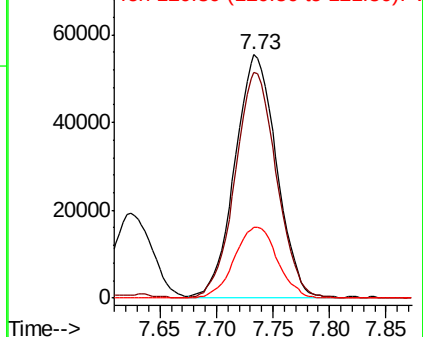


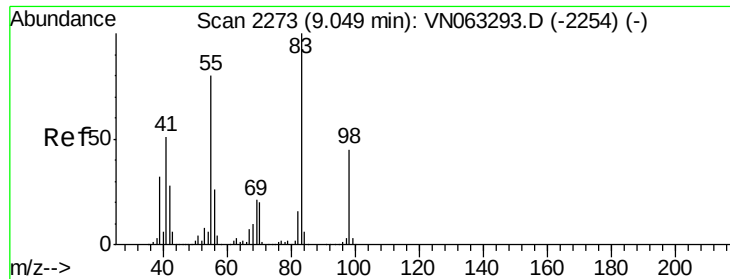
#38
Carbon Tetrachloride
Concen: 17.590 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 117 Resp: 142568
Ion Ratio Lower Upper
117 100
119 92.6 75.3 112.9
121 29.0 24.6 37.0



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

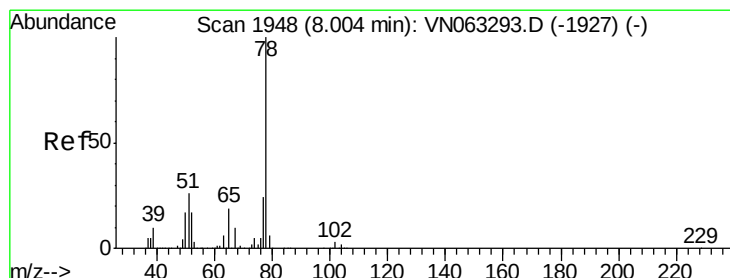
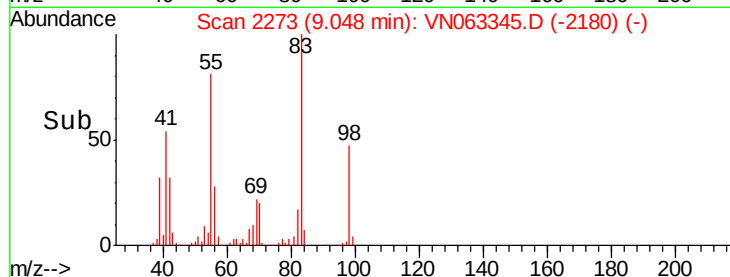
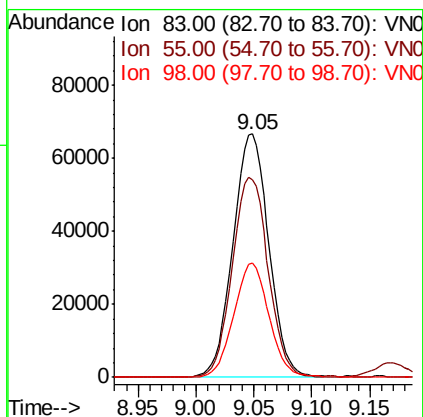
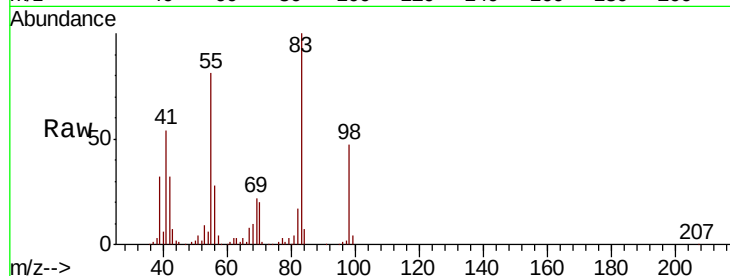




#39
Methylvlcyclohexane
Concen: 15.936 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

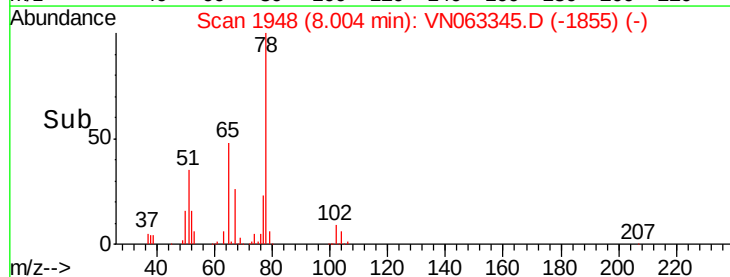
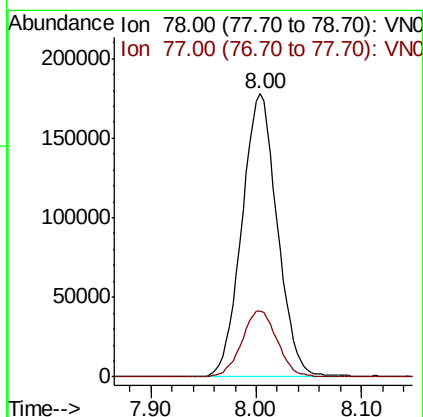
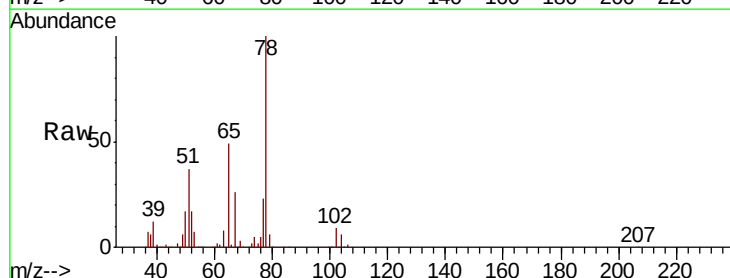
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

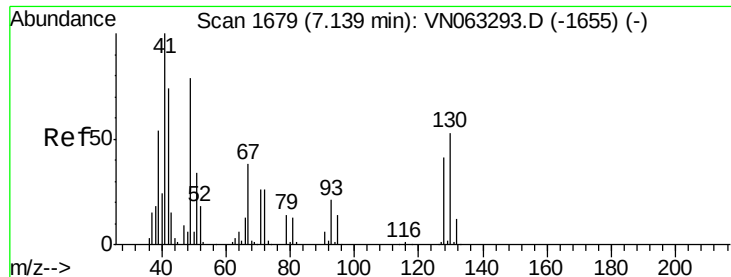
Tot Ion: 83 Resp: 143175
Ion Ratio Lower Upper
83 100
55 81.3 64.0 96.0
98 47.1 36.4 54.6



#40
Benzene
Concen: 17.647 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 78 Resp: 415087
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

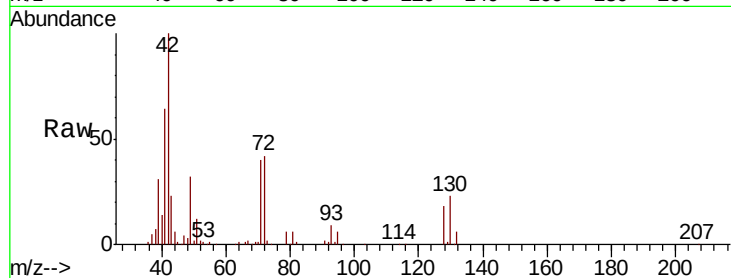




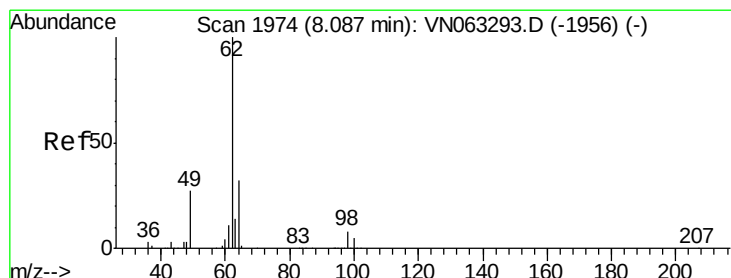
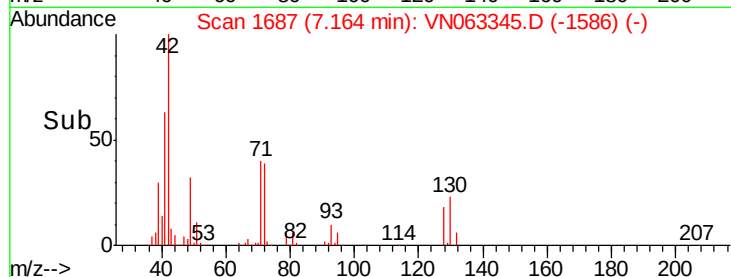
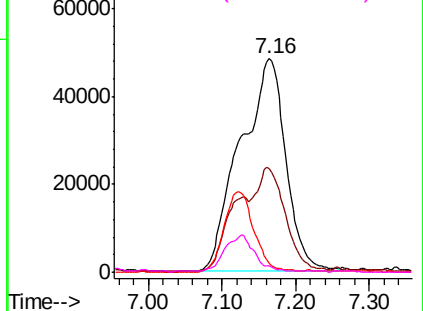
#41
Methacrylonitrile
Concen: 56.702 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.03 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion:	41	Resp:	207799
Ion	Ratio	Lower	Upper
41	100		
39	24.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

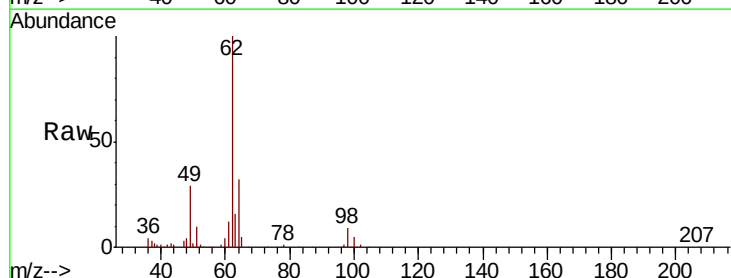


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

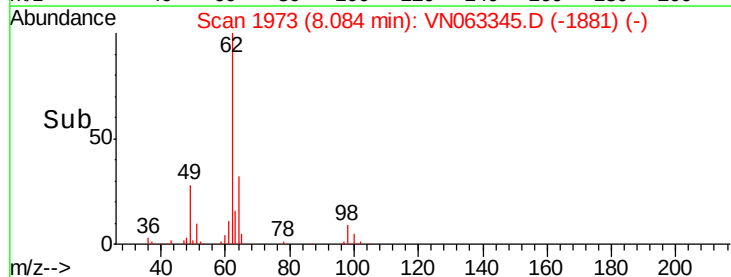
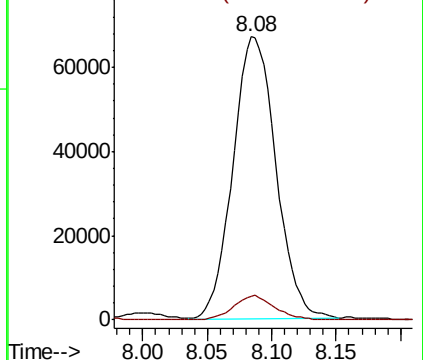


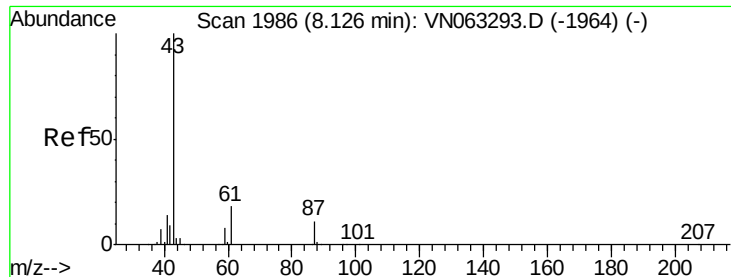
#42
1,2-Dichloroethane
Concen: 17.415 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion:	62	Resp:	155416
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.758 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

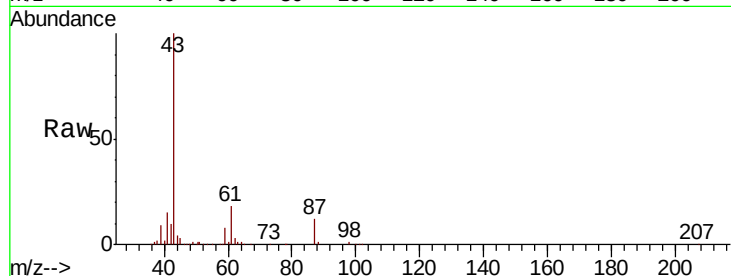
Tot Ion: 43 Resp: 243651

Ion Ratio Lower Upper

43 100

61 25.3 15.1 22.7#

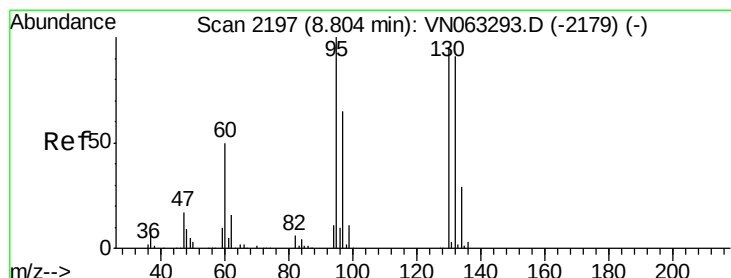
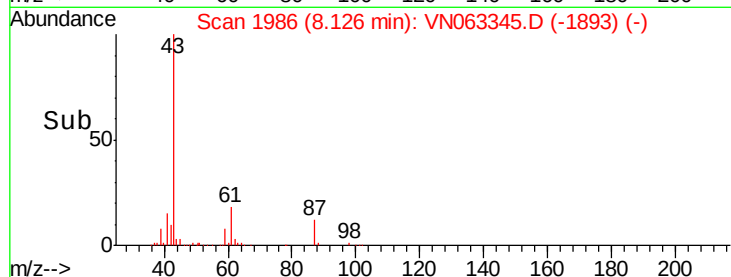
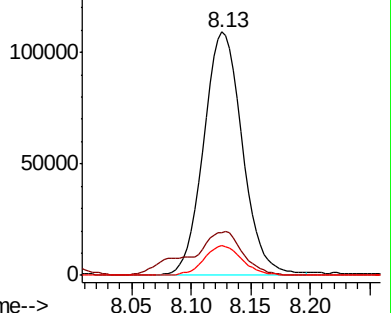
87 12.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN063345.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN063345.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN063345.D (-1964) (-)



#44

Trichloroethene

Concen: 17.089 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063345.D

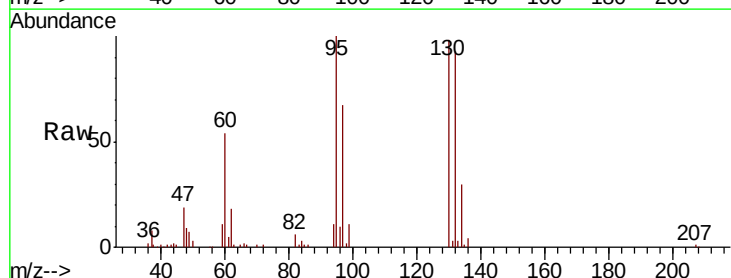
Acq: 14 Sep 2020 16:07

Tgt Ion:130 Resp: 105121

Ion Ratio Lower Upper

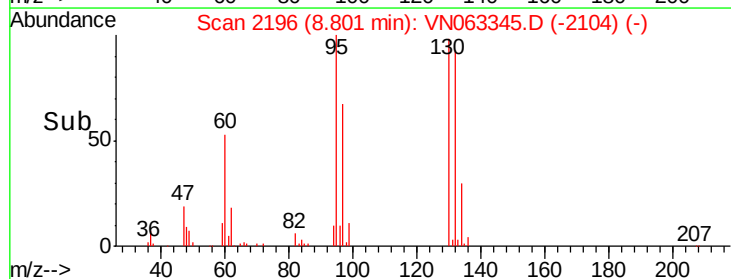
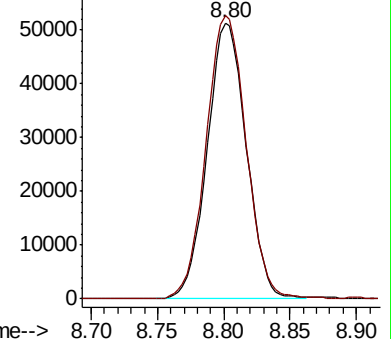
130 100

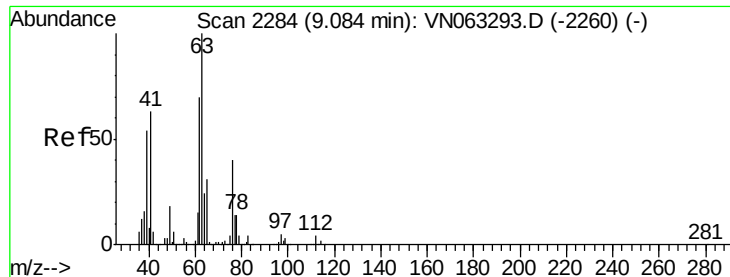
95 102.5 0.0 210.8



Abundance Ion 129.80 (129.50 to 130.50): VN063345.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063345.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 17.657 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

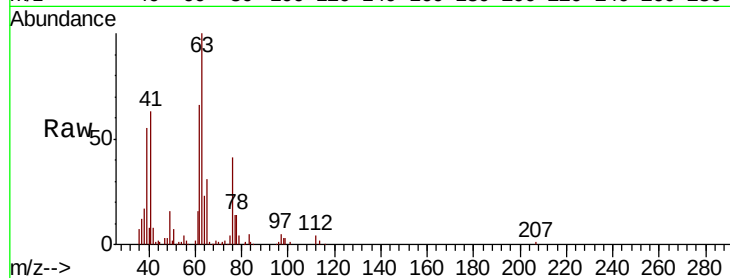
VN0914WBSD01

Tot Ion: 63 Resp: 113919

Ion Ratio Lower Upper

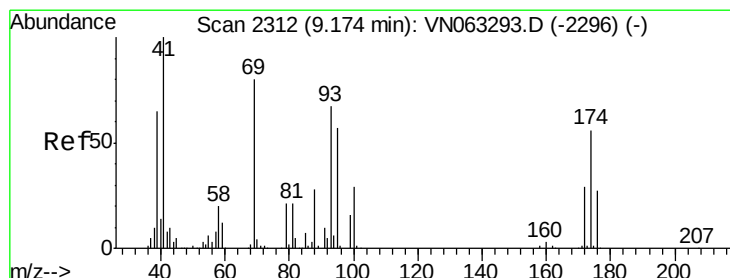
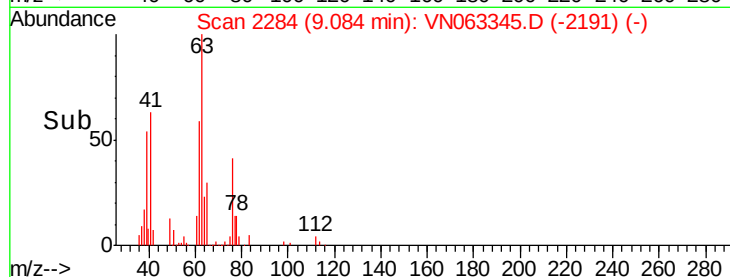
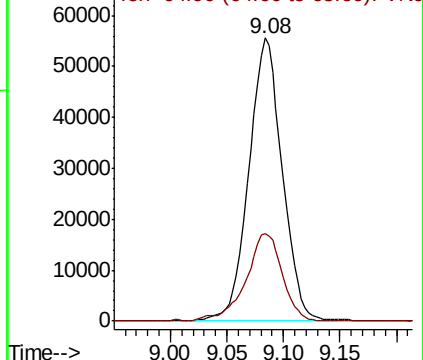
63 100

65 30.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 17.543 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

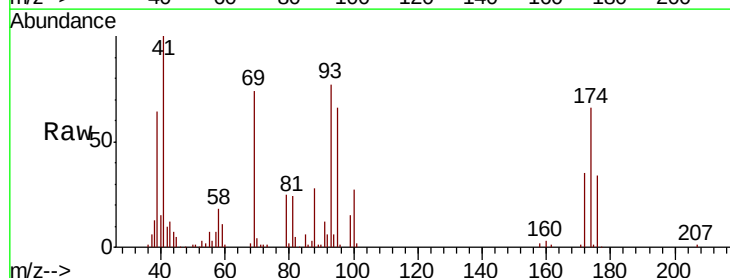
Tgt Ion: 93 Resp: 73397

Ion Ratio Lower Upper

93 100

95 84.6 67.9 101.9

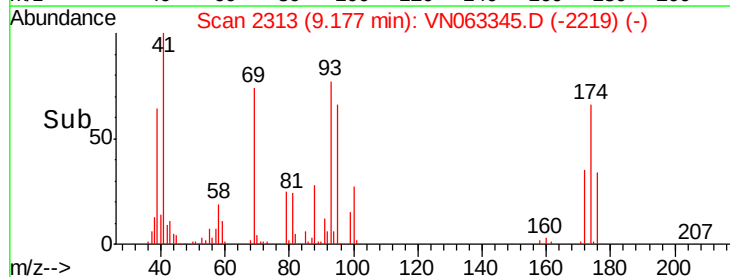
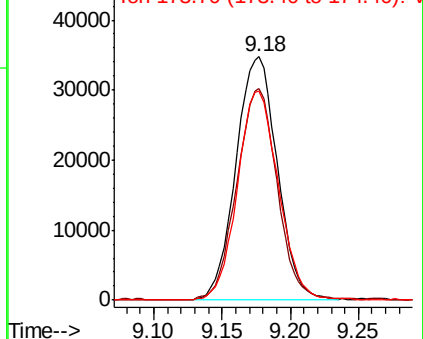
174 85.2 66.9 100.3

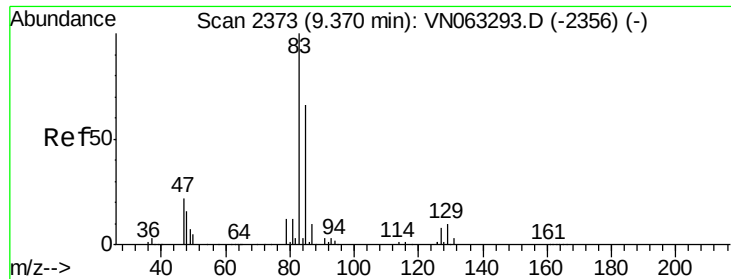


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.634 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

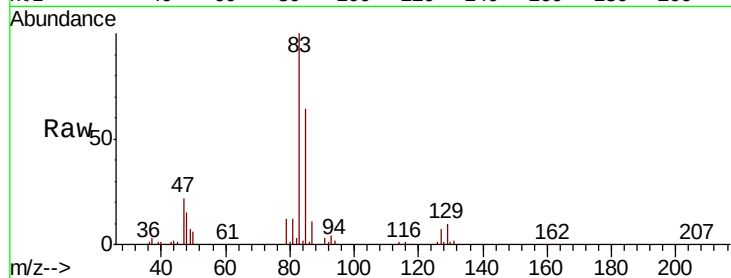
Tot Ion: 83 Resp: 153750

Ion Ratio Lower Upper

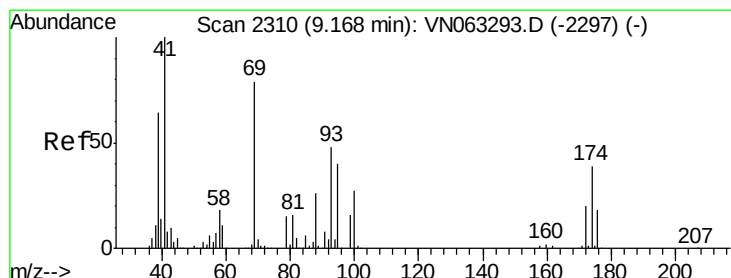
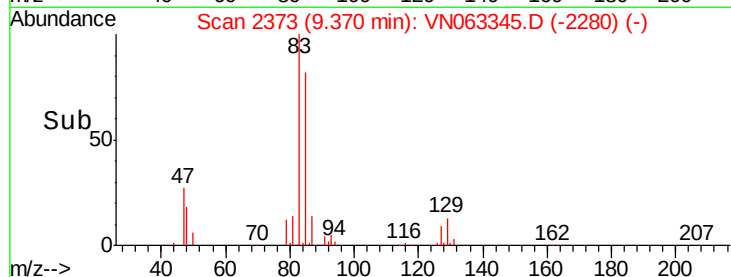
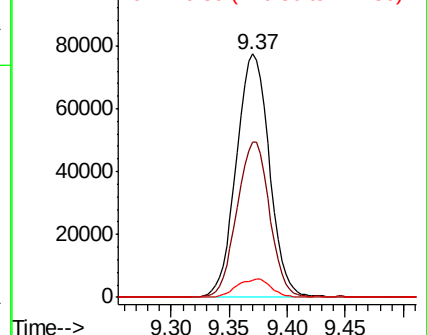
83 100

85 63.6 52.5 78.7

127 7.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.644 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

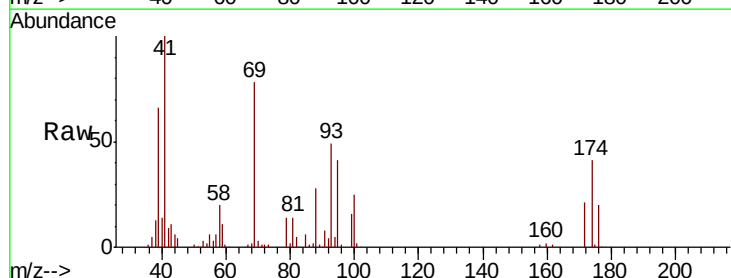
Tgt Ion: 41 Resp: 115510

Ion Ratio Lower Upper

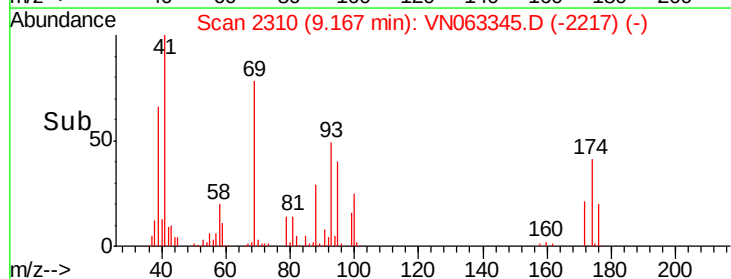
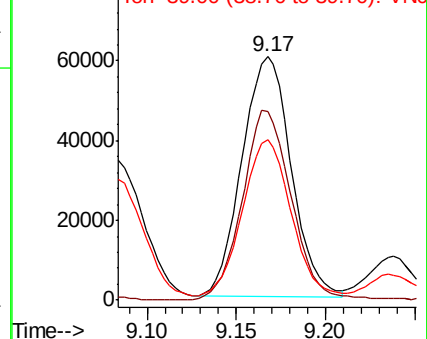
41 100

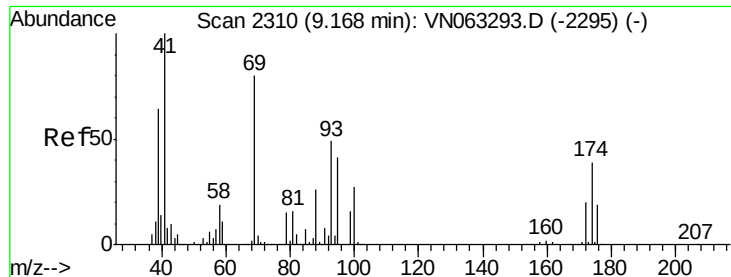
69 79.6 63.6 95.4

39 66.7 53.2 79.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

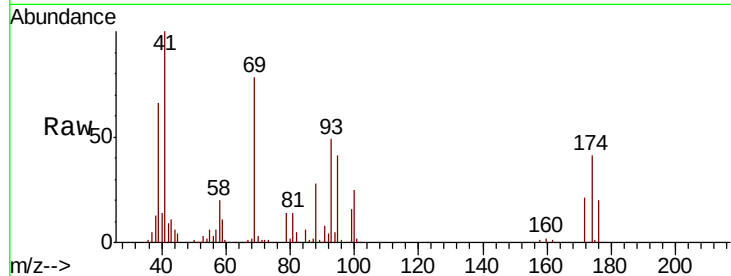




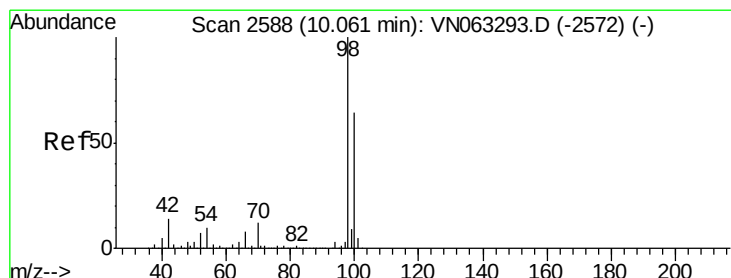
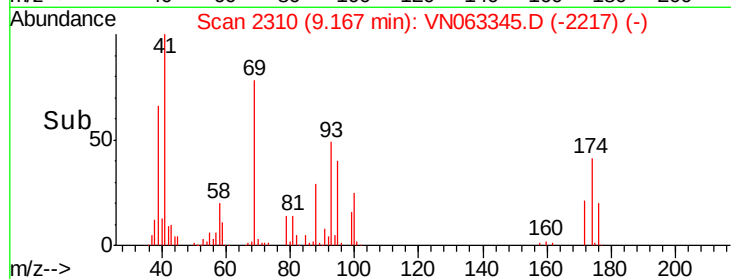
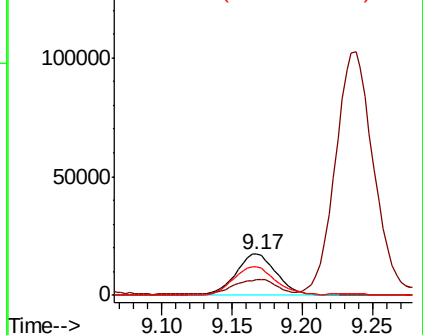
#49
1,4-Dioxane
Concen: 350.036 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 88 Resp: 35481
Ion Ratio Lower Upper
88 100
43 34.9 30.5 45.7
58 72.5 58.9 88.3

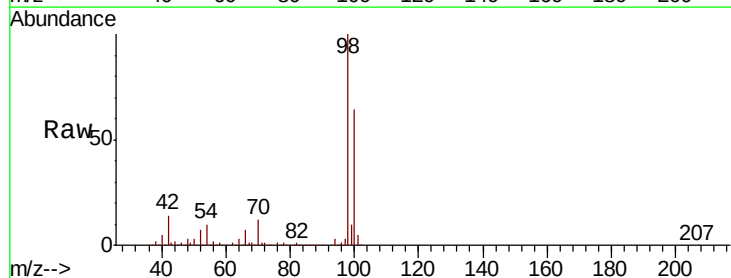


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

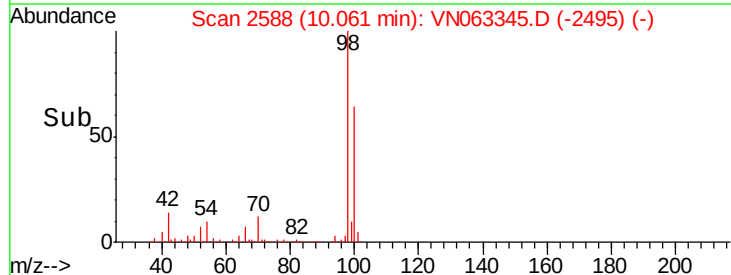
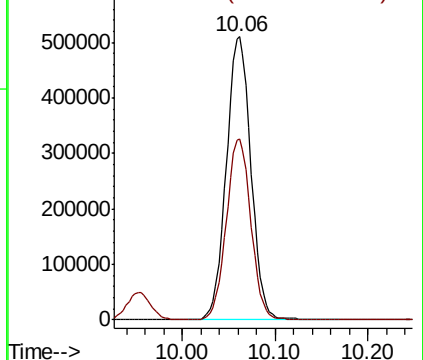


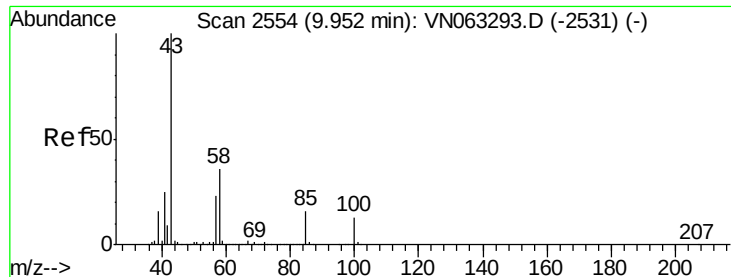
#50
Toluene-d8
Concen: 47.373 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 98 Resp: 938340
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

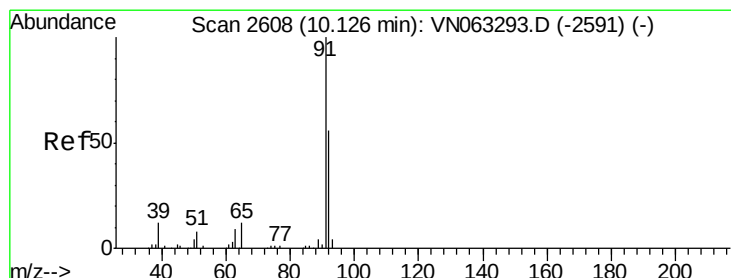
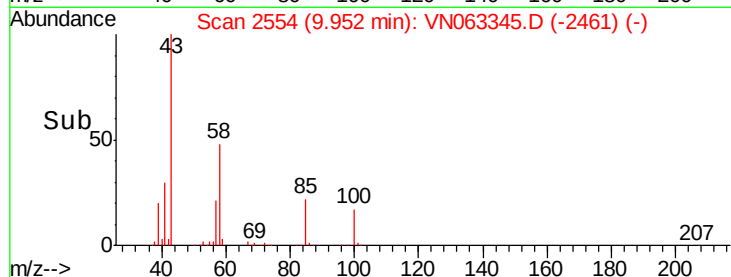
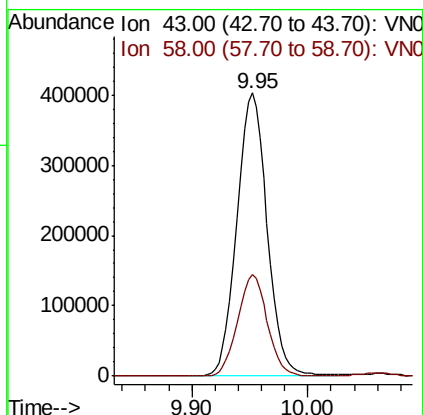
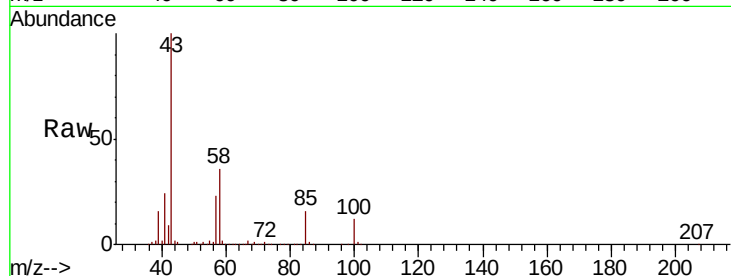




#51
 4-Methyl-2-Pentanone
 Concen: 95.800 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

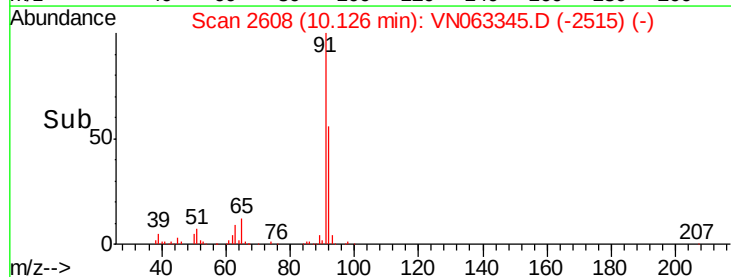
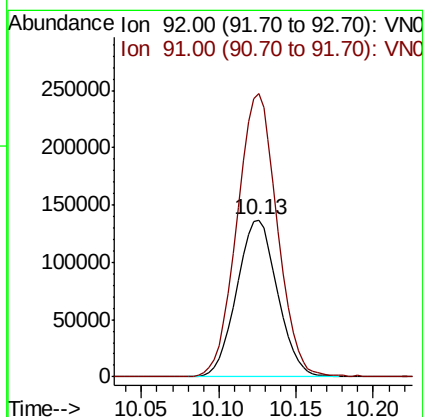
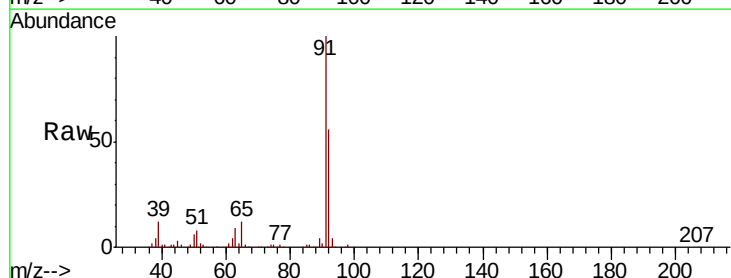
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

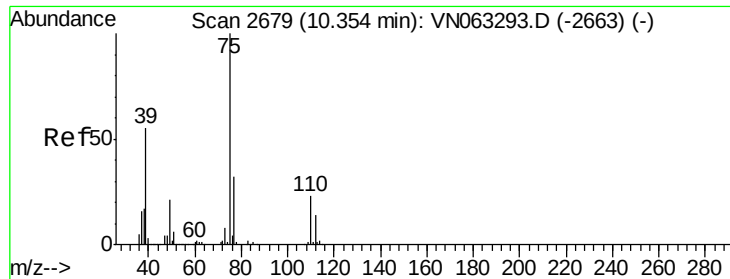
Tot Ion: 43 Resp: 724385
 Ion Ratio Lower Upper
 43 100
 58 35.3 29.0 43.4



#52
 Toluene
 Concen: 17.457 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 92 Resp: 250701
 Ion Ratio Lower Upper
 92 100
 91 178.6 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 16.734 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

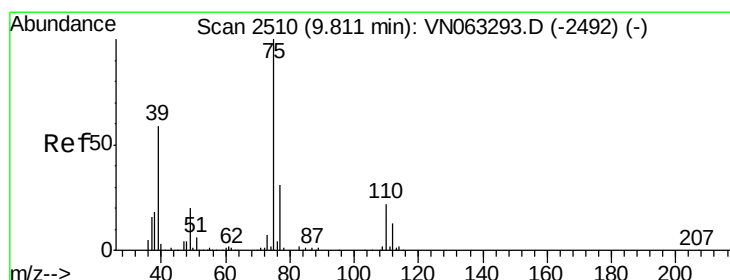
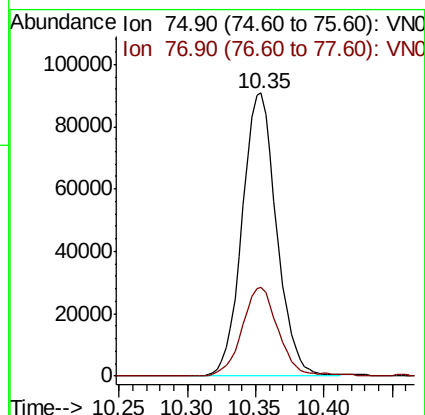
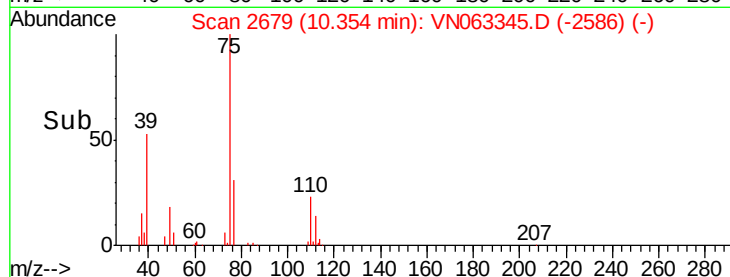
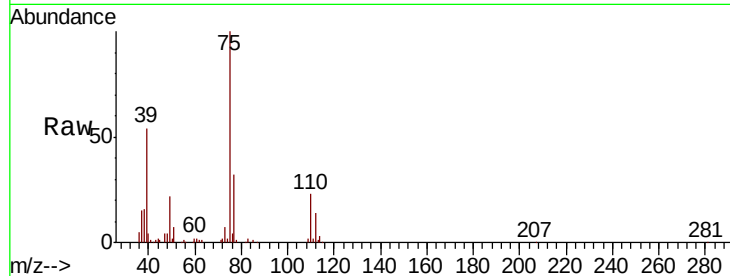
VN0914WBSD01

Tot Ion: 75 Resp: 159101

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 16.903 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

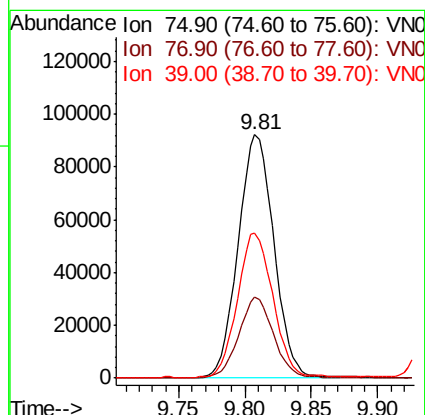
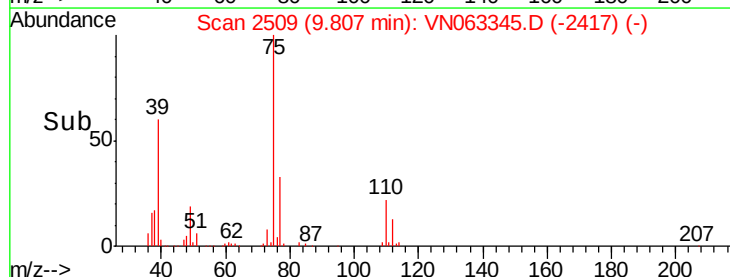
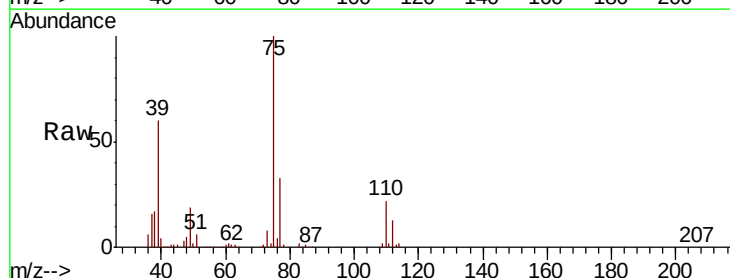
Tgt Ion: 75 Resp: 173037

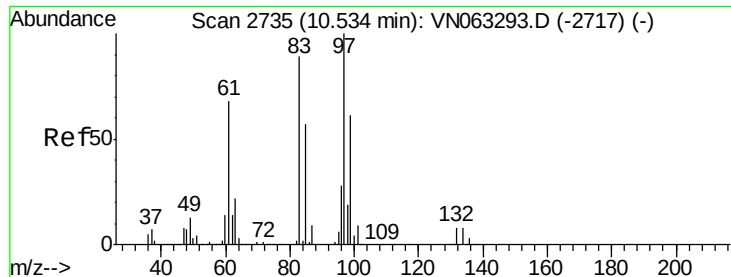
Ion Ratio Lower Upper

75 100

77 33.1 24.7 37.1

39 59.5 47.2 70.8





#55

1,1,2-Trichloroethane

Concen: 17.342 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

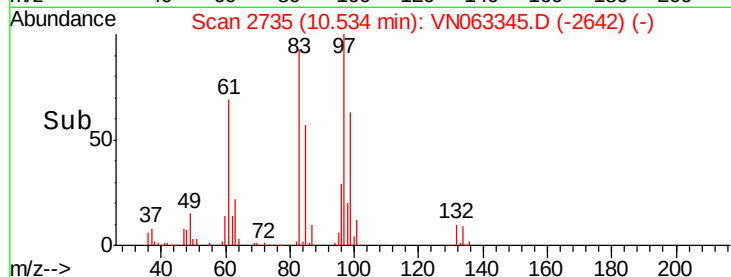
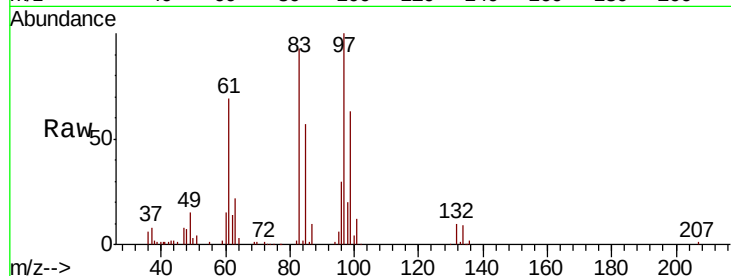
MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 97 Resp: 97590

Ion	Ratio	Lower	Upper
97	100		
83	93.1	70.8	106.2
85	57.1	45.6	68.4
99	63.4	49.0	73.4



Abundance

Ion 96.90 (96.60 to 97.60): VN0

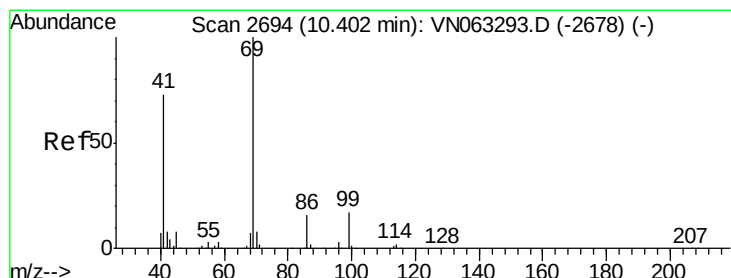
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.53

Time-->



#56

Ethyl methacrylate

Concen: 17.895 ug/l

RT: 10.40 min Scan# 2693

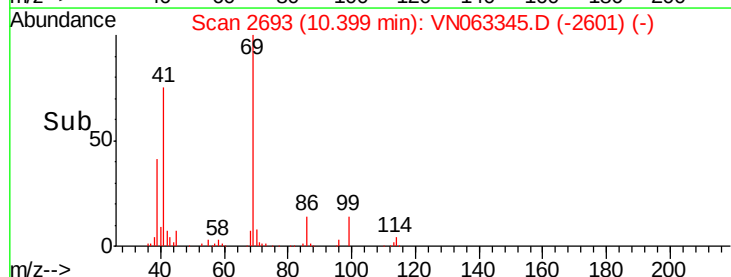
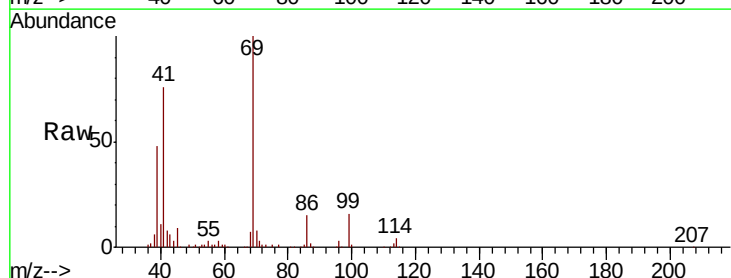
Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion: 69 Resp: 153135

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.4	87.6
39	47.5	38.6	58.0



Abundance

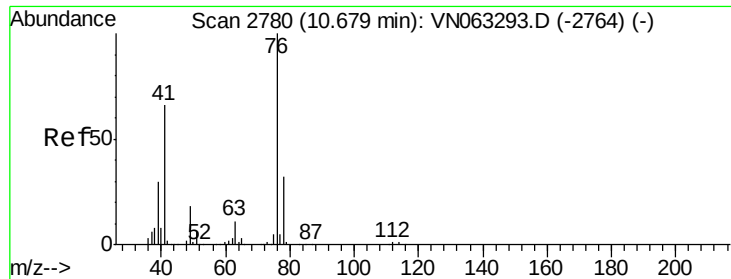
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.40

Time-->



#57

1,3-Dichloropropane

Concen: 17.720 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

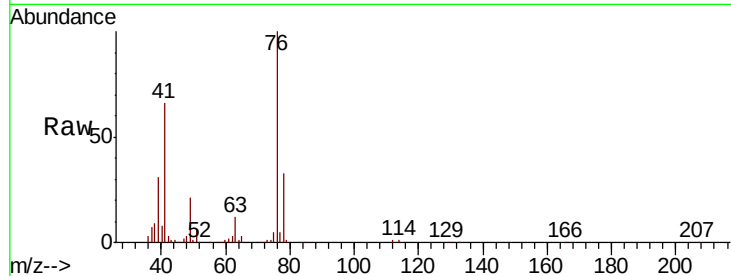
VN0914WBSD01

Tot Ion: 76 Resp: 174246

Ion Ratio Lower Upper

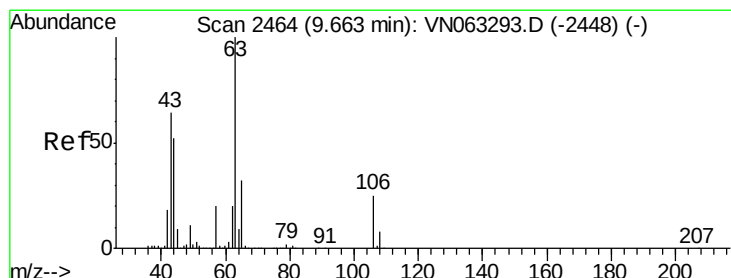
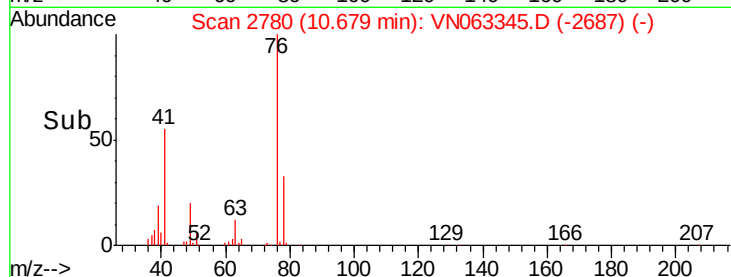
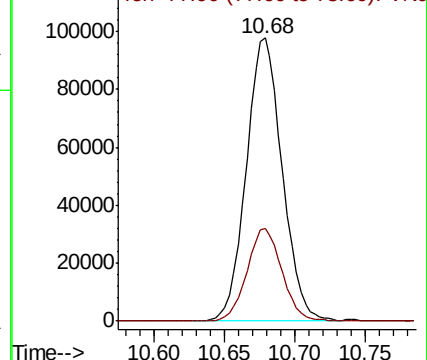
76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 85.545 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063345.D

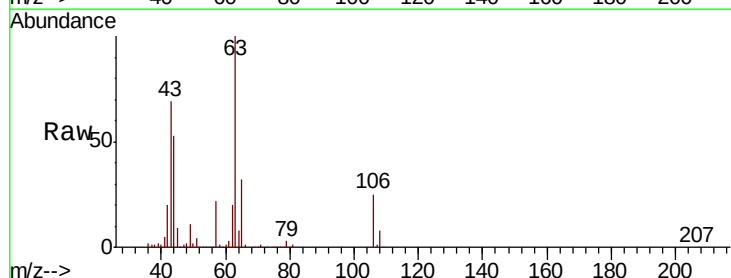
Acq: 14 Sep 2020 16:07

Tgt Ion: 63 Resp: 392672

Ion Ratio Lower Upper

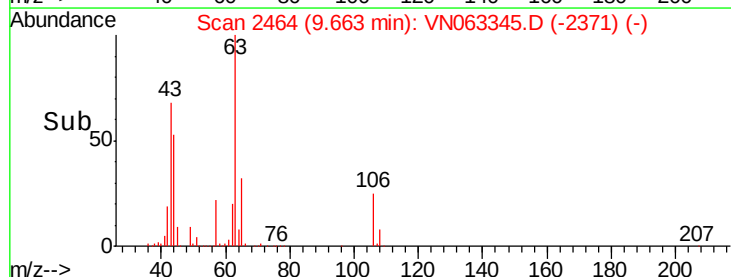
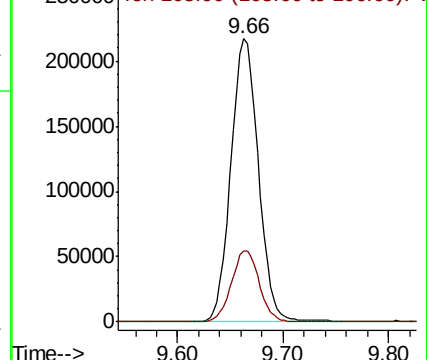
63 100

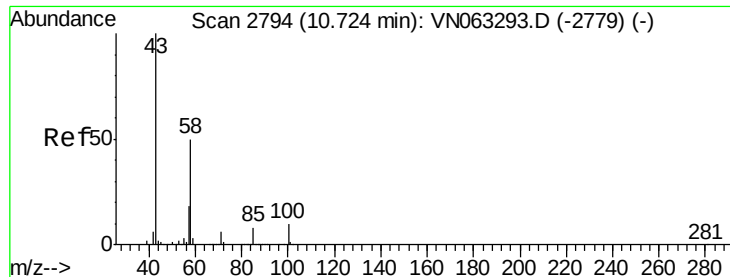
106 25.3 20.2 30.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

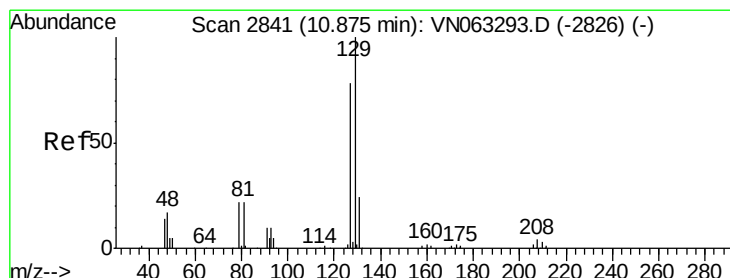
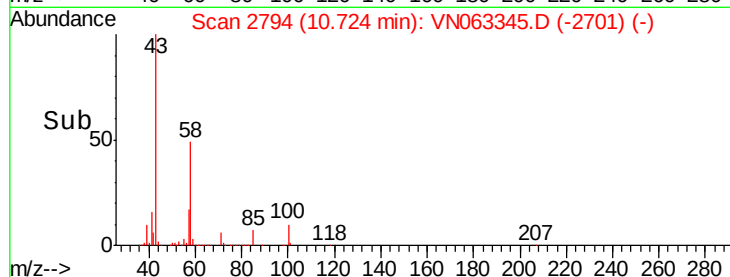
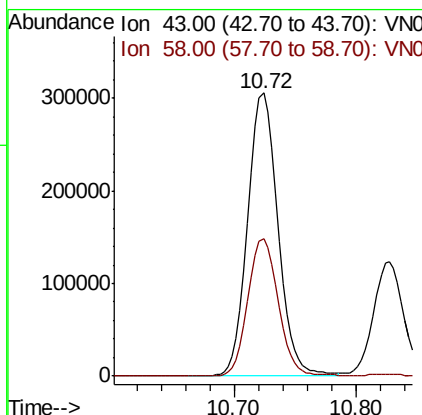
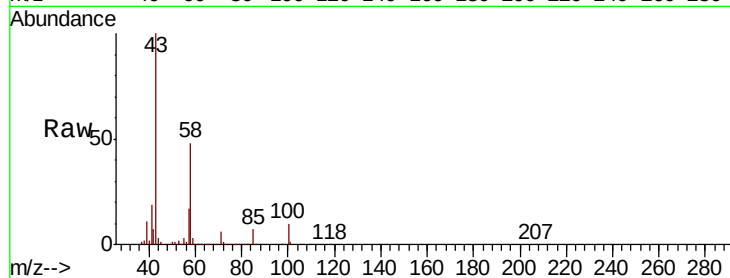




#59
2-Hexanone
Concen: 93.146 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

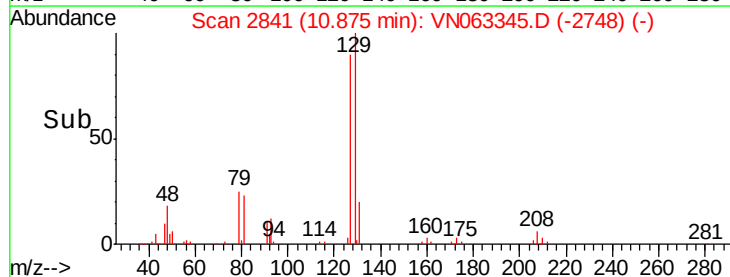
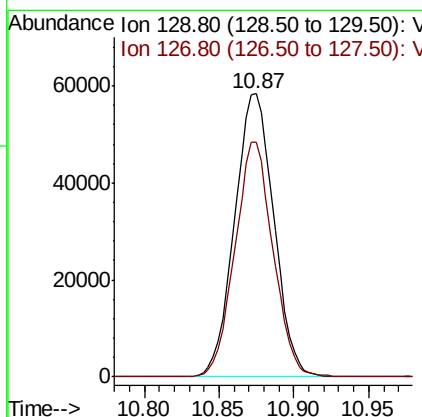
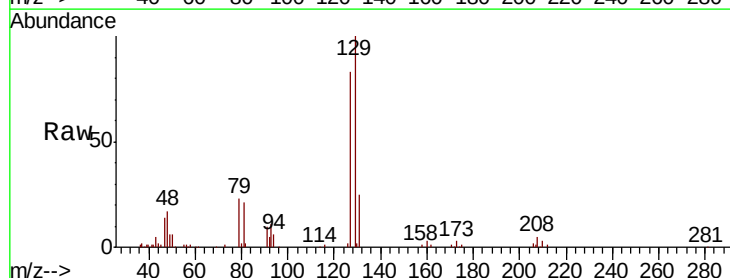
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

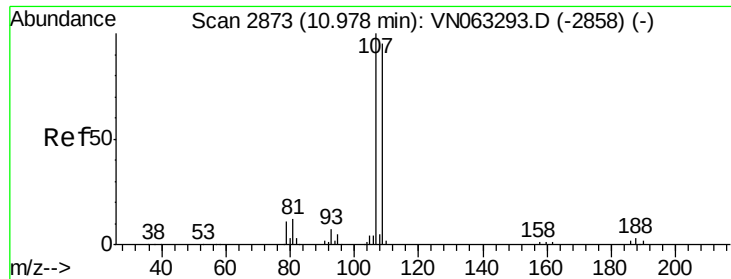
Tot Ion: 43 Resp: 519443
Ion Ratio Lower Upper
43 100
58 49.3 25.1 75.3



#60
Dibromochloromethane
Concen: 17.269 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion: 129 Resp: 106715
Ion Ratio Lower Upper
129 100
127 80.6 39.0 117.0

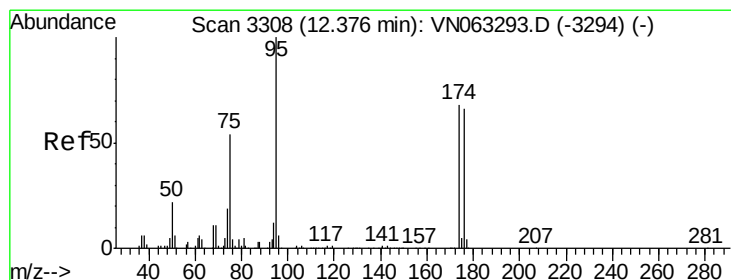
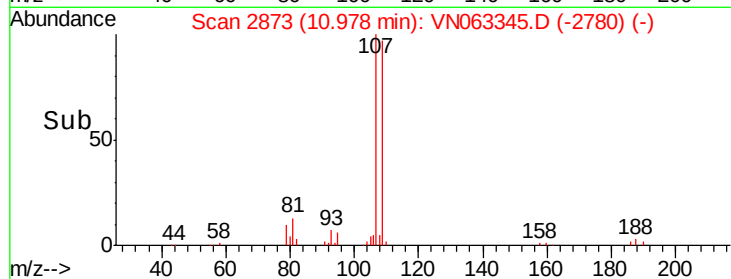
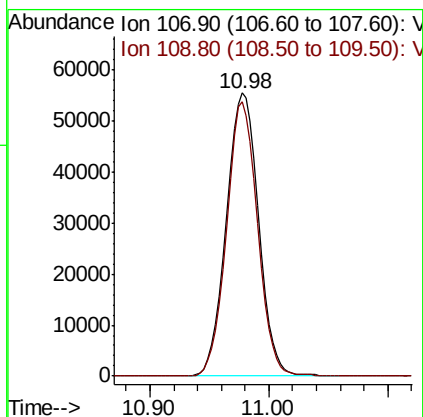
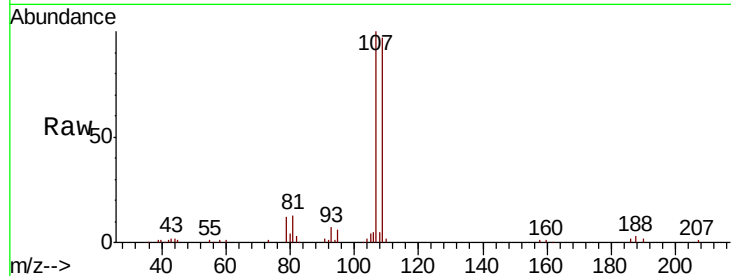




#61
 1,2-Dibromoethane
 Concen: 17.786 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

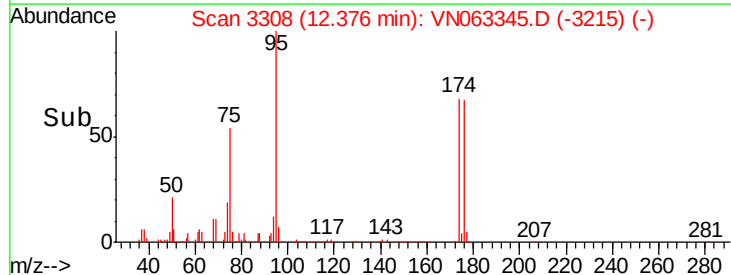
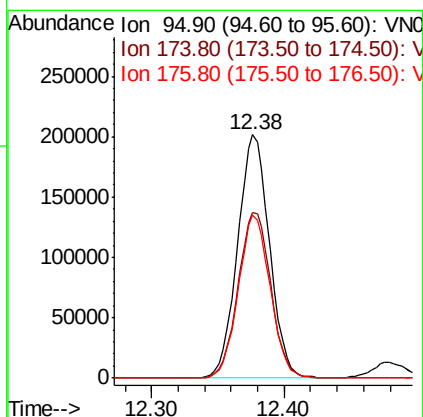
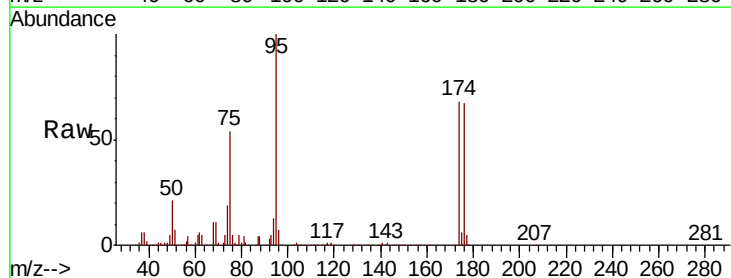
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

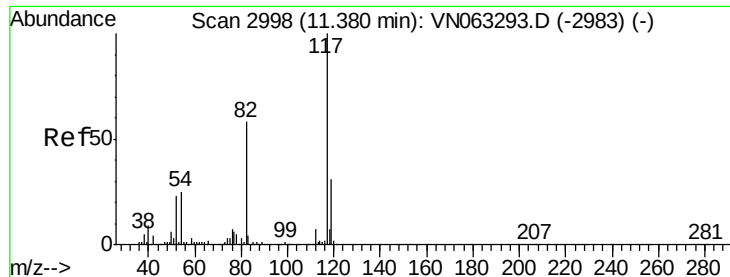
Tot Ion:107 Resp: 104343
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 45.978 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion: 95 Resp: 336373
 Ion Ratio Lower Upper
 95 100
 174 70.0 0.0 136.6
 176 67.1 0.0 132.8

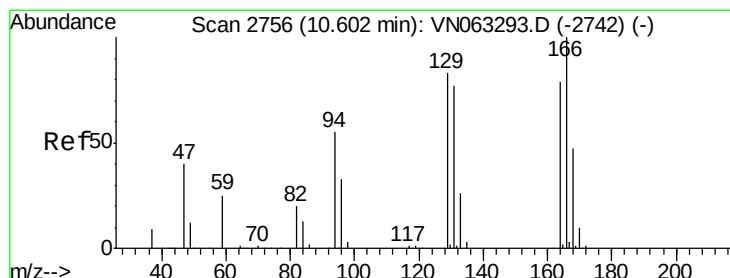
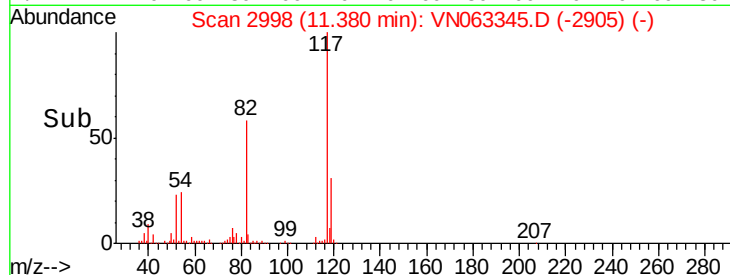
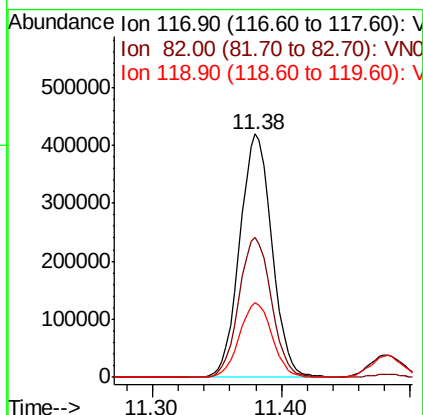
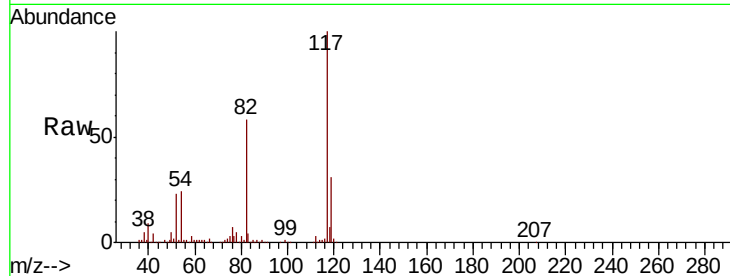




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

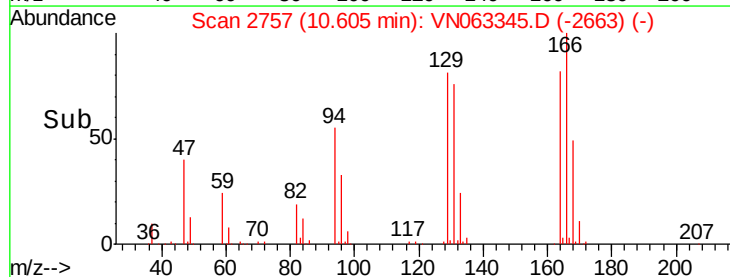
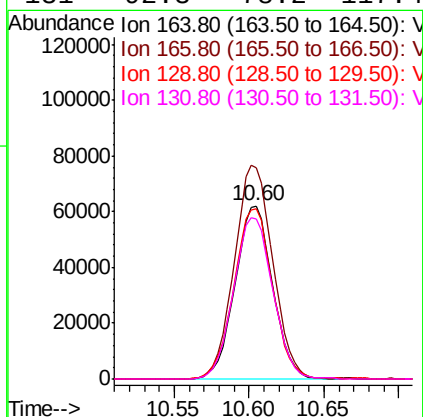
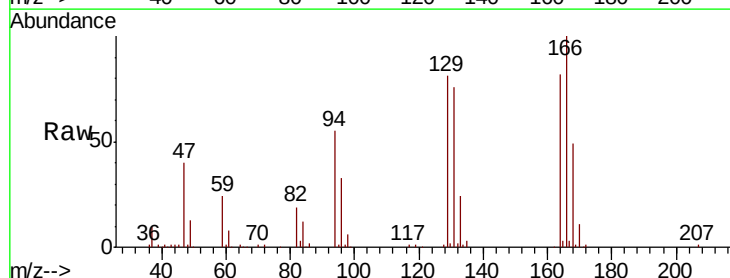
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

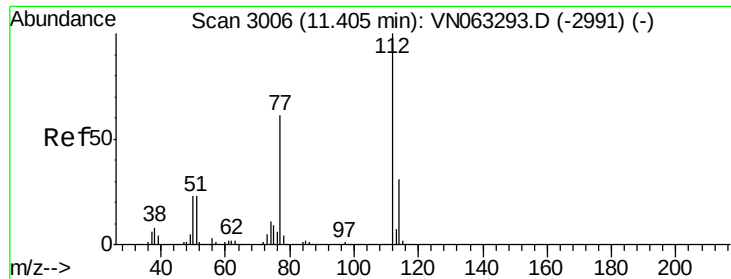
Tot Ion:117 Resp: 727862
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 30.6 24.8 37.2



#64
Tetrachloroethene
Concen: 18.156 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion:164 Resp: 108258
Ion Ratio Lower Upper
164 100
166 121.3 101.3 151.9
129 98.5 83.7 125.5
131 92.3 78.2 117.4

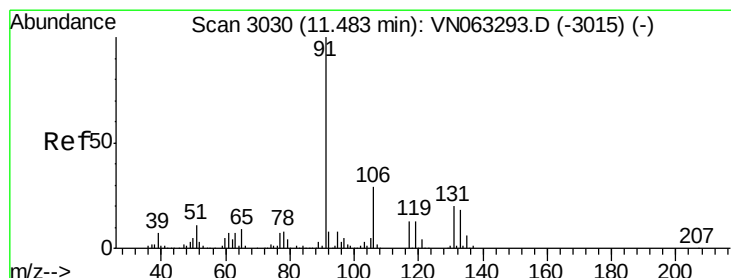
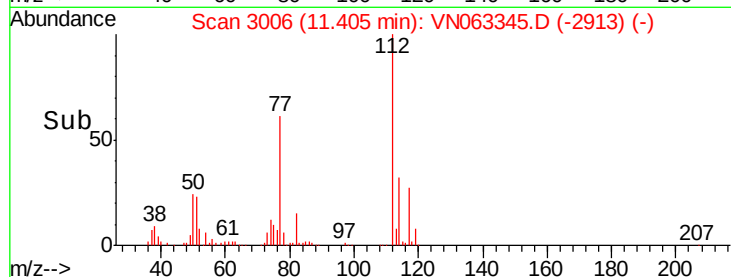
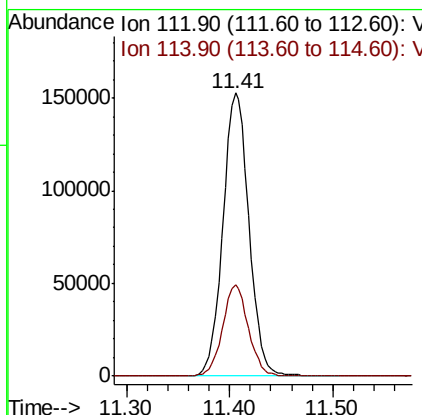
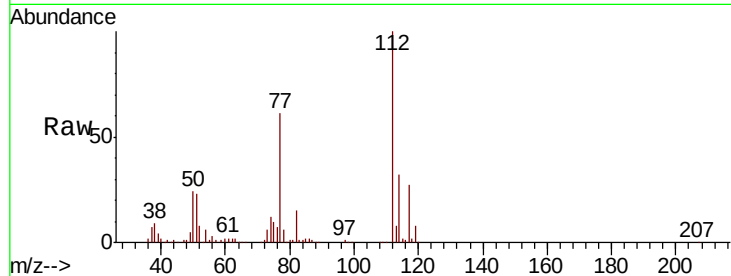




#65
Chlorobenzene
Concen: 17.136 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

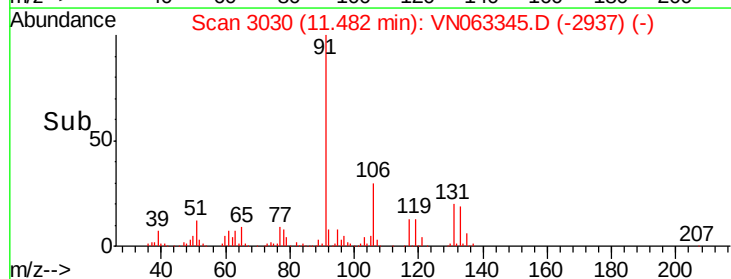
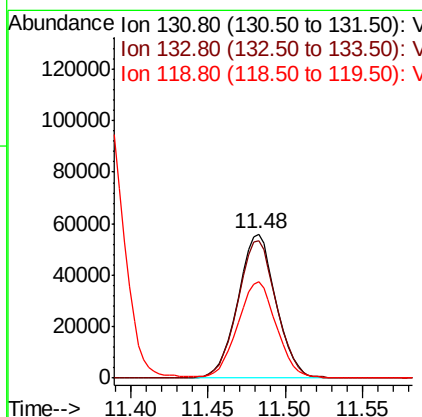
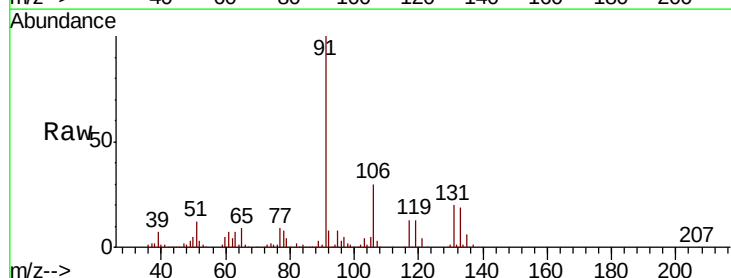
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

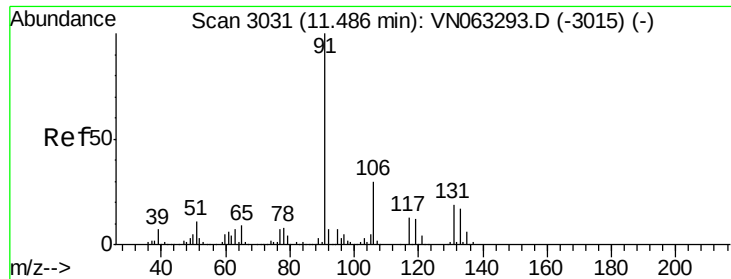
Tot Ion:112 Resp: 268509
Ion Ratio Lower Upper
112 100
114 32.3 24.6 36.8



#66
1,1,1,2-Tetrachloroethane
Concen: 16.776 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion:131 Resp: 95776
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 68.1 33.8 101.3





#67

Ethyl Benzene

Concen: 17.347 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

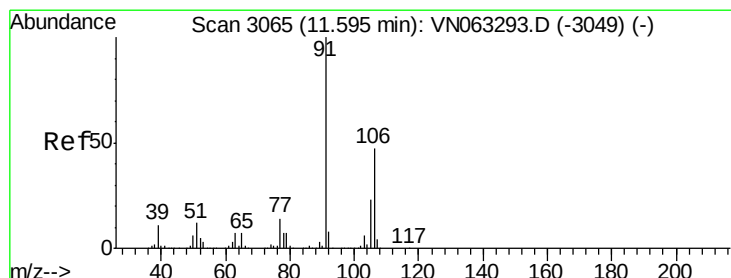
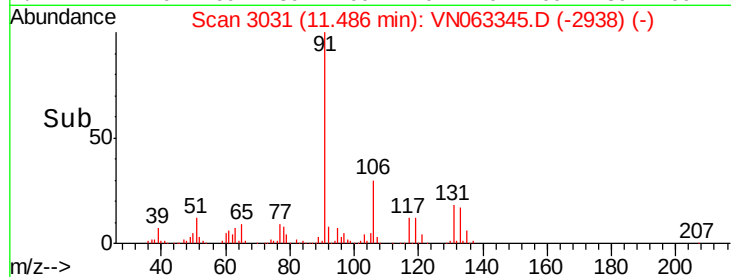
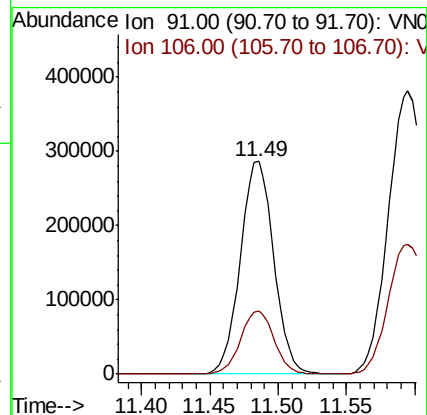
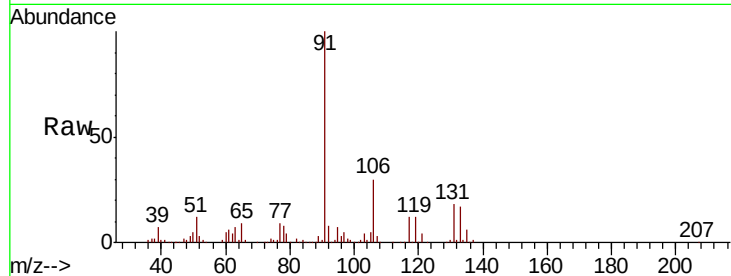
VN0914WBSD01

Tot Ion: 91 Resp: 487976

Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6



#68

m/p-Xylenes

Concen: 33.901 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063345.D

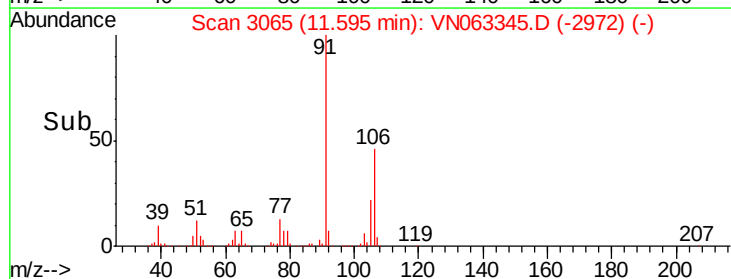
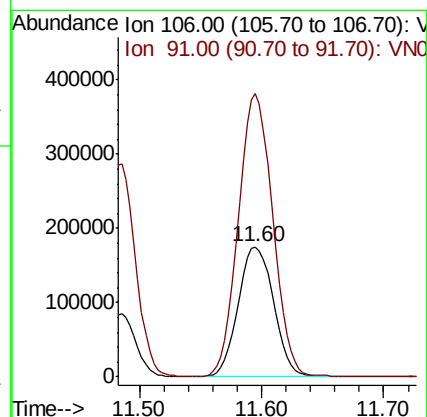
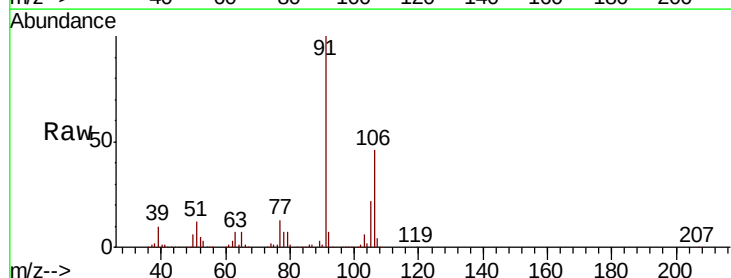
Acq: 14 Sep 2020 16:07

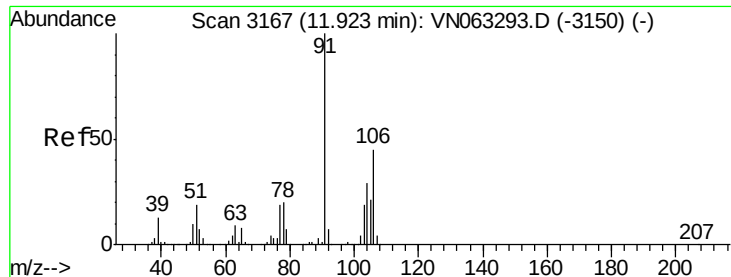
Tgt Ion: 106 Resp: 352758

Ion Ratio Lower Upper

106 100

91 211.5 169.8 254.8

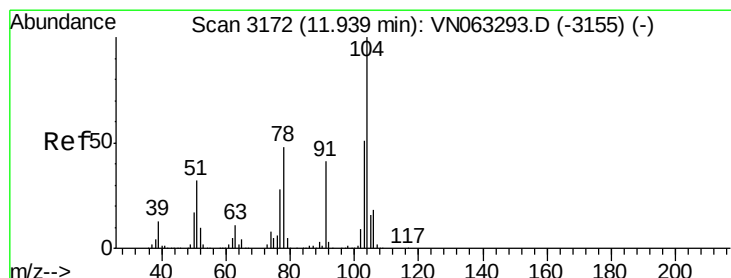
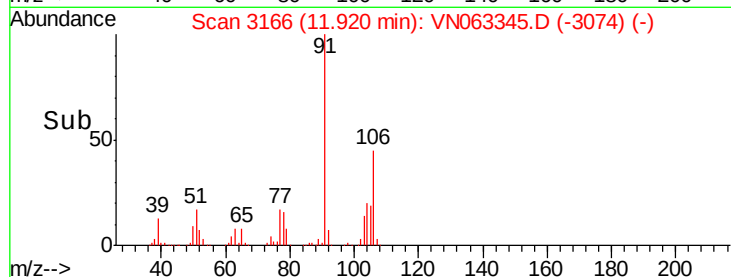
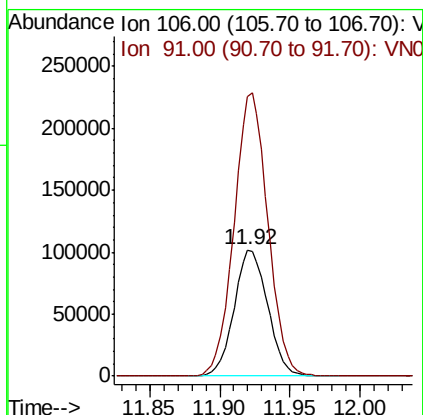
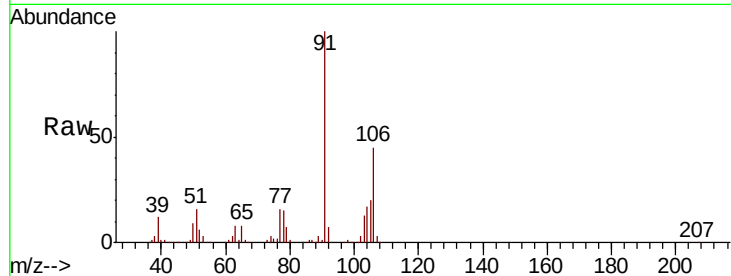




#69
o-Xylene
Concen: 16.984 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

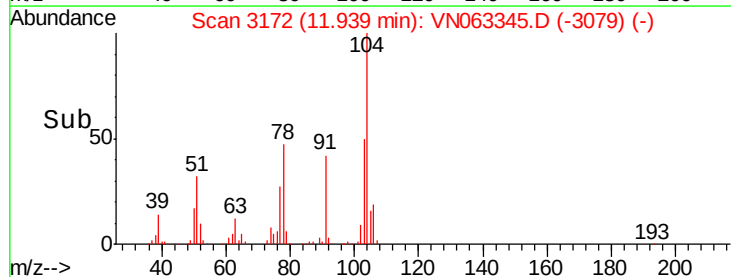
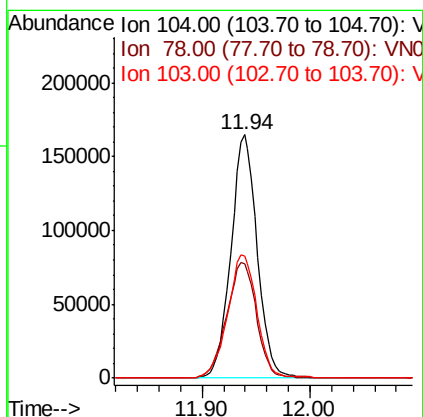
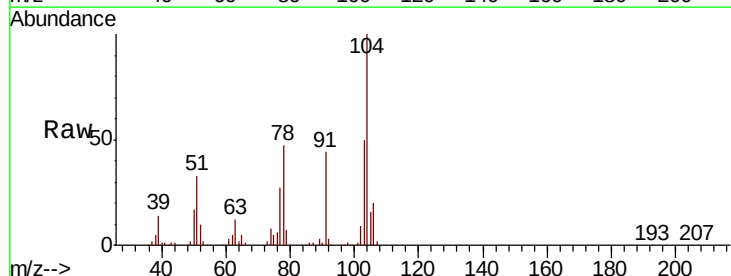
Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

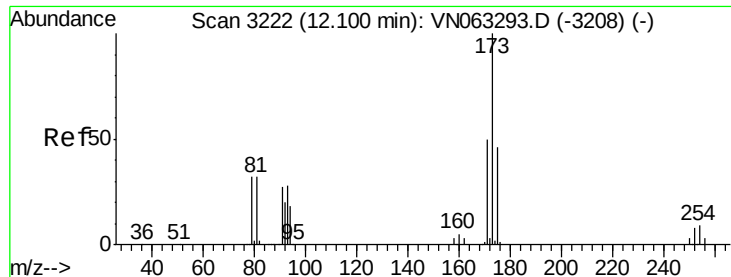
Tot Ion:106 Resp: 169605
Ion Ratio Lower Upper
106 100
91 225.9 111.5 334.4



#70
Styrene
Concen: 16.929 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion:104 Resp: 280975
Ion Ratio Lower Upper
104 100
78 53.7 42.9 64.3
103 56.0 44.2 66.2





#71

Bromoform

Concen: 16.863 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

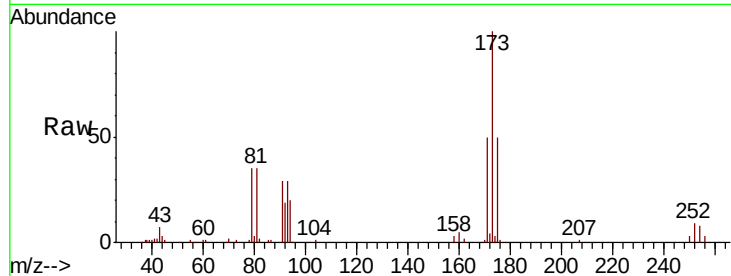
Tot Ion:173 Resp: 66589

Ion Ratio Lower Upper

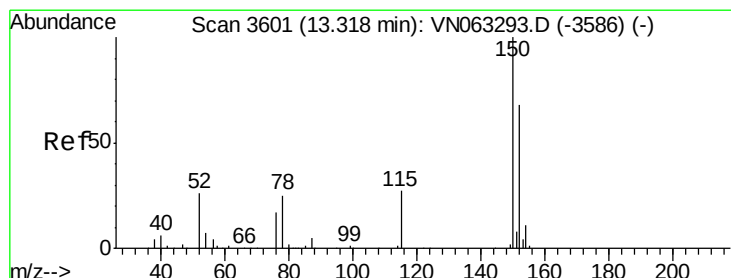
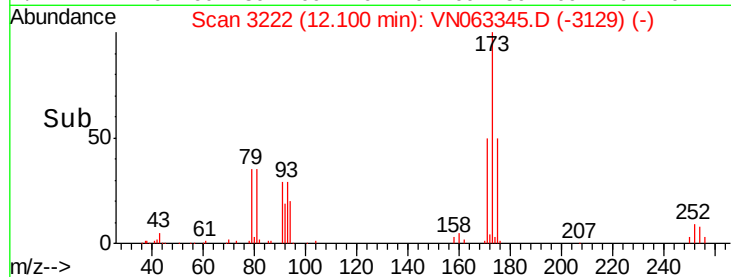
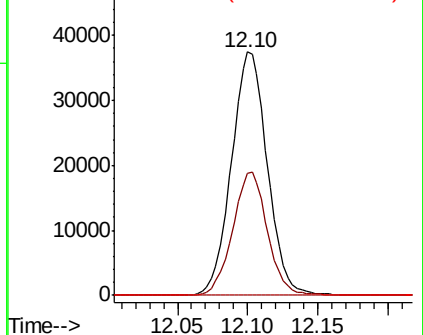
173 100

175 48.8 23.8 71.5

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

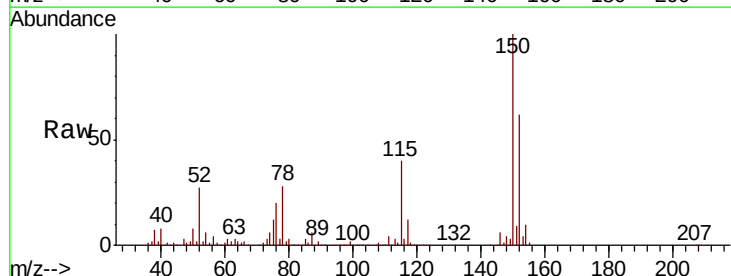
Tgt Ion:152 Resp: 319530

Ion Ratio Lower Upper

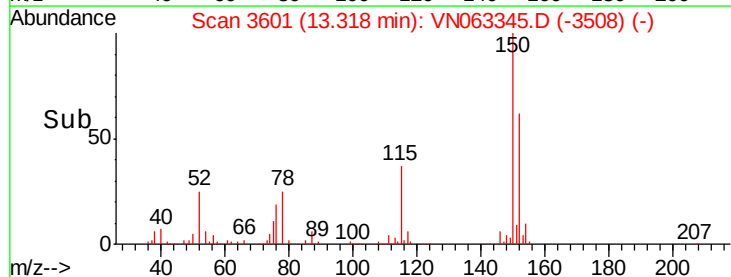
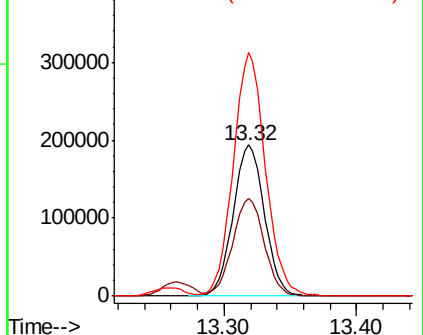
152 100

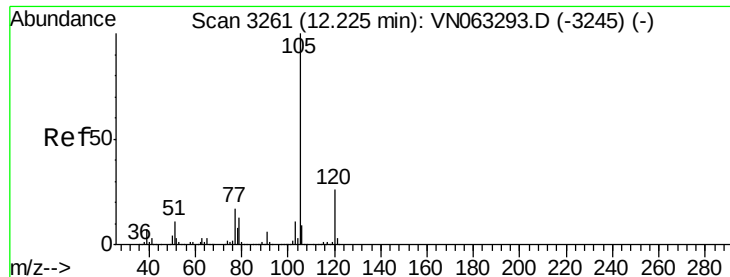
115 64.6 31.5 94.5

150 164.2 0.0 344.0



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





#73

Isopropylbenzene

Concen: 17.566 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

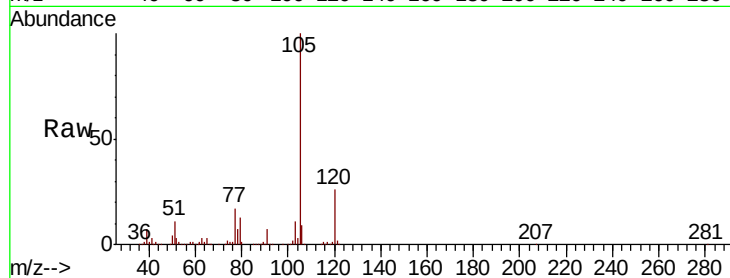
VN0914WBSD01

Tot Ion:105 Resp: 452729

Ion Ratio Lower Upper

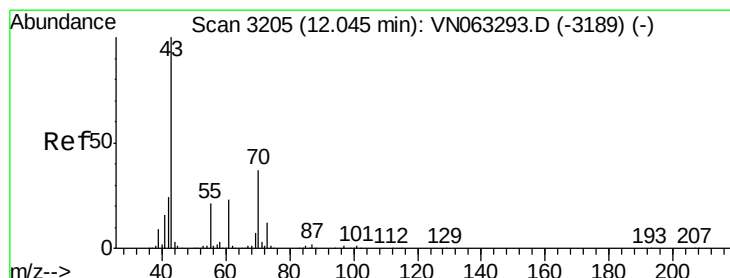
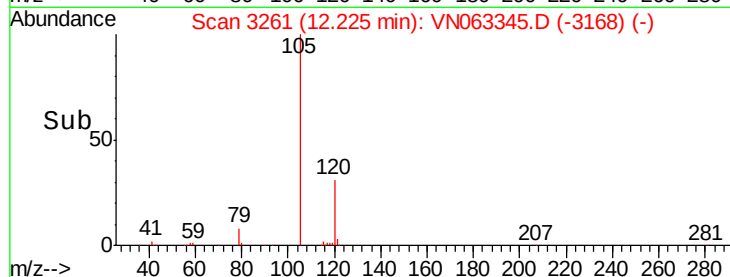
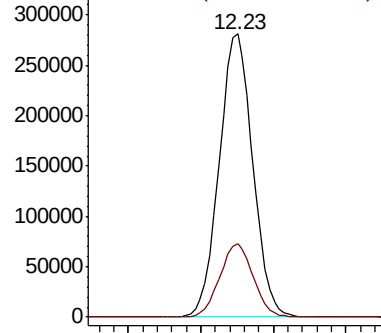
105 100

120 25.9 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.155 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Tgt Ion: 43 Resp: 192099

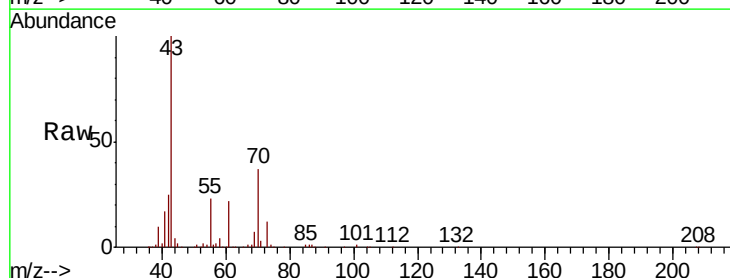
Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 22.9 17.0 25.6

61 22.1 17.8 26.6

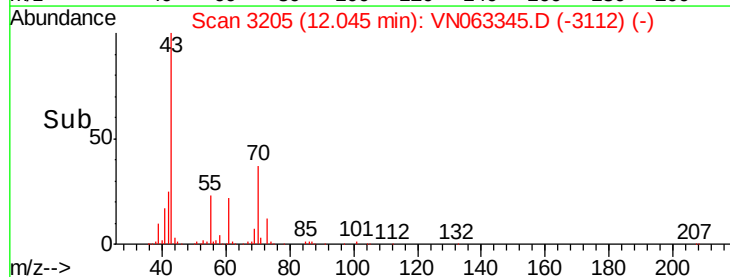
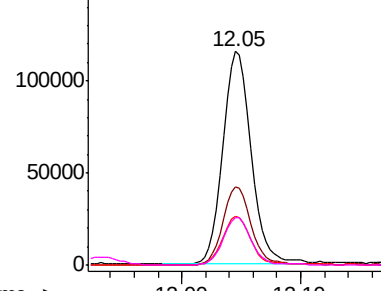


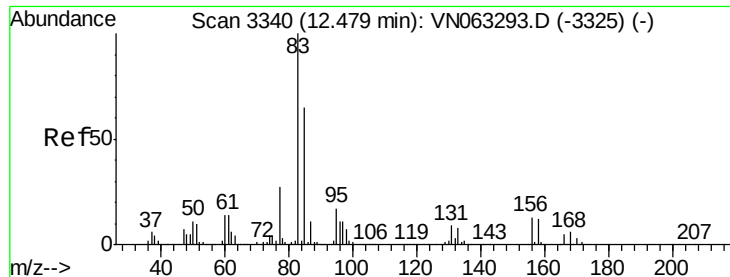
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.149 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

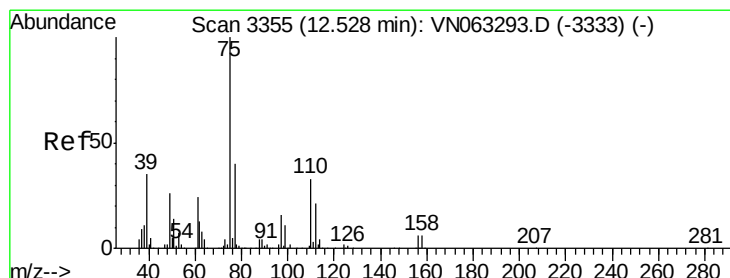
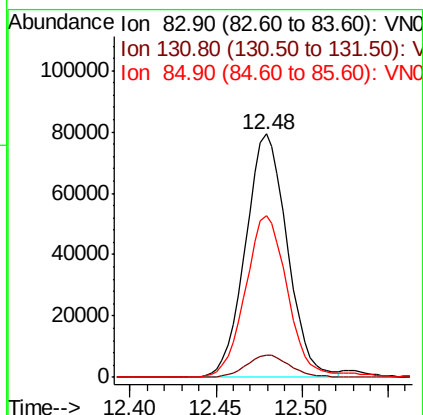
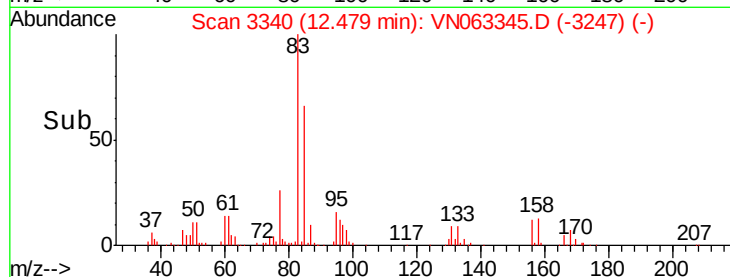
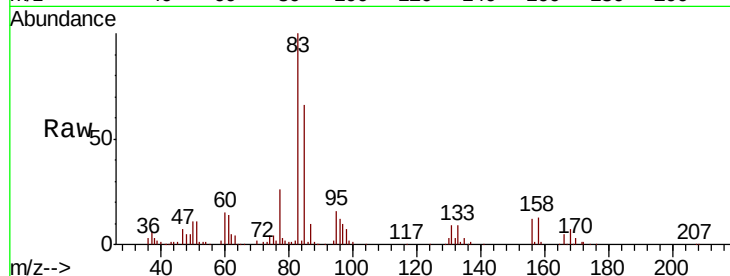
Tot Ion: 83 Resp: 133963

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

85 67.8 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 26.516 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063345.D

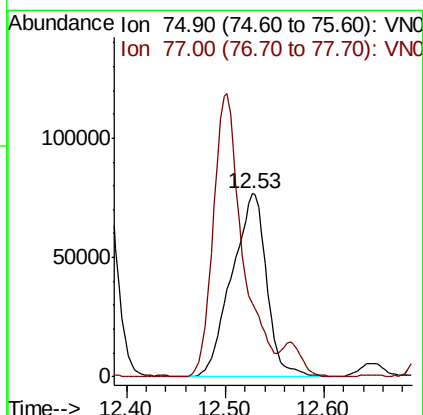
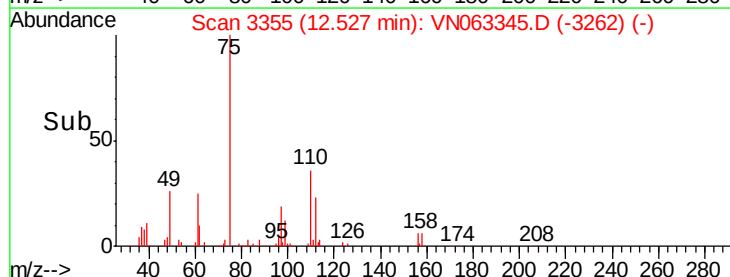
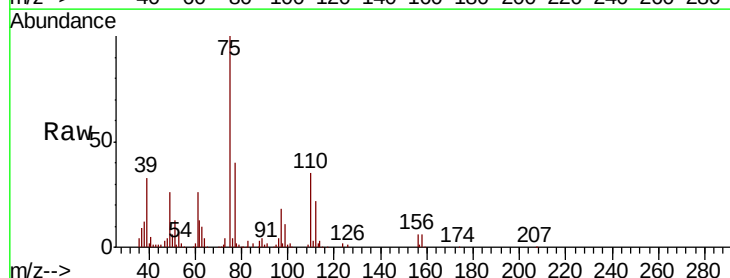
Acq: 14 Sep 2020 16:07

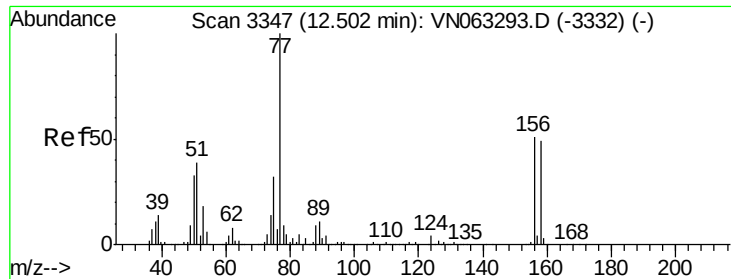
Tgt Ion: 75 Resp: 186921

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 17.587 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

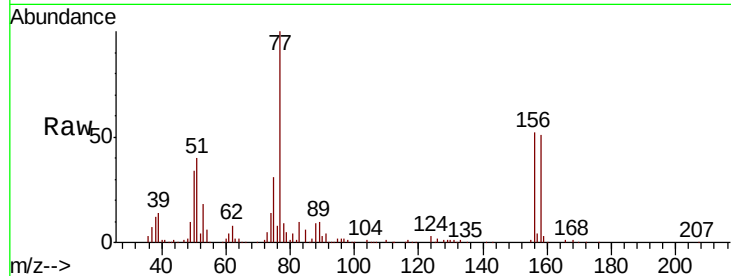
Tot Ion:156 Resp: 104193

Ion Ratio Lower Upper

156 100

77 237.4 117.4 352.2

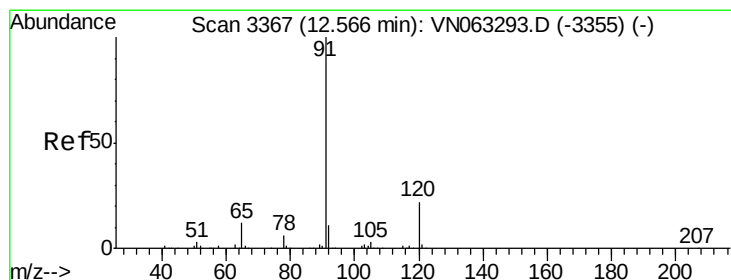
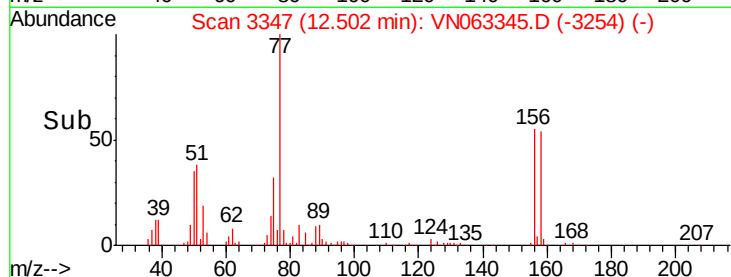
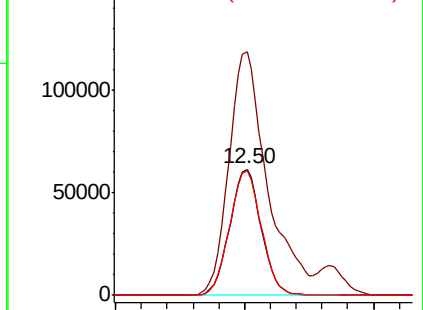
158 99.9 48.8 146.4



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



#78

n-propylbenzene

Concen: 17.964 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063345.D

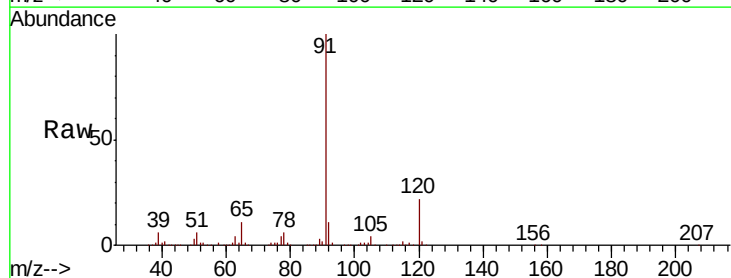
Acq: 14 Sep 2020 16:07

Tgt Ion: 91 Resp: 525970

Ion Ratio Lower Upper

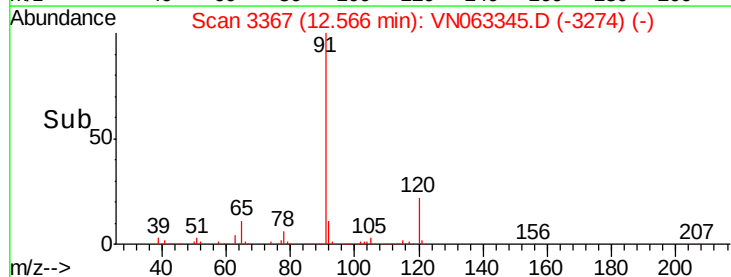
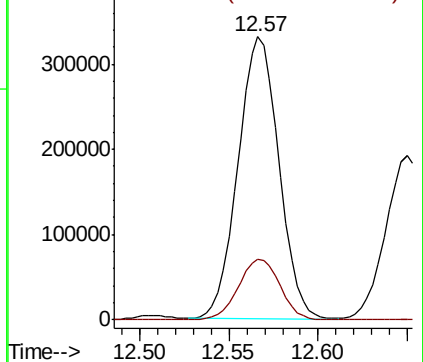
91 100

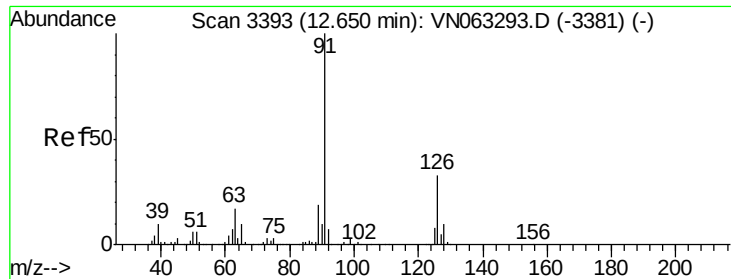
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.497 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

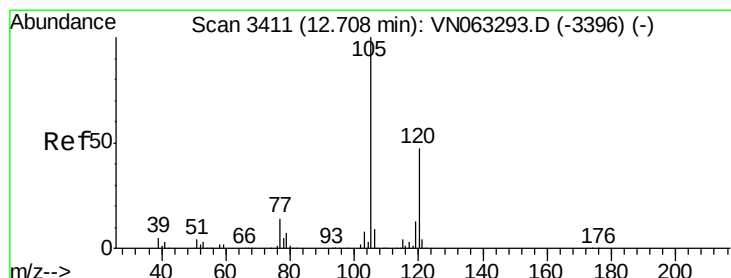
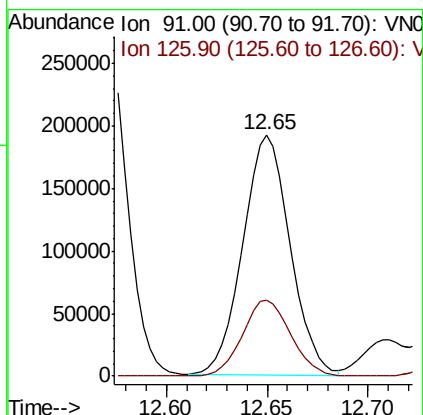
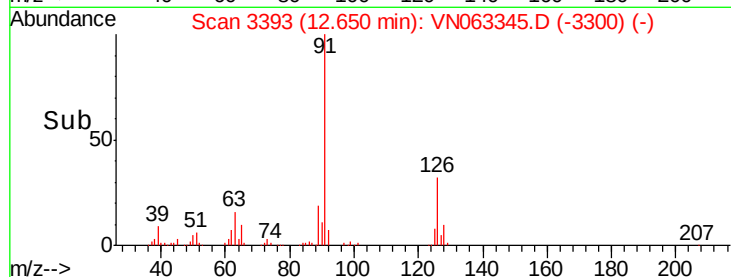
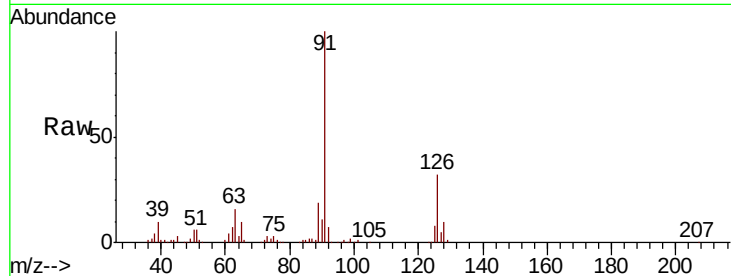
VN0914WBSD01

Tot Ion: 91 Resp: 314995

Ion Ratio Lower Upper

91 100

126 32.4 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 18.022 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063345.D

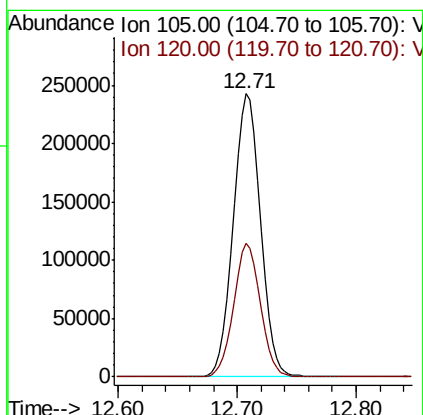
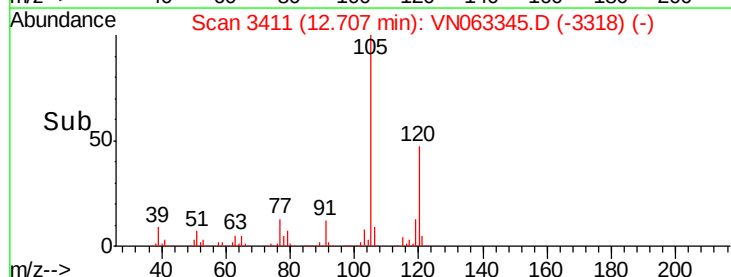
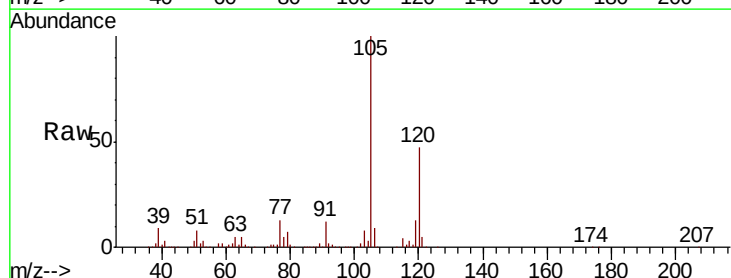
Acq: 14 Sep 2020 16:07

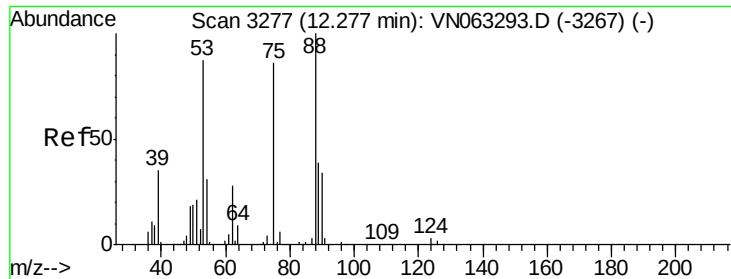
Tgt Ion: 105 Resp: 385686

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.985 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

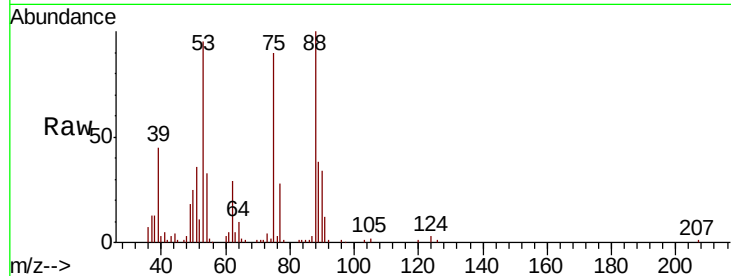
Tot Ion: 75 Resp: 47187

Ion Ratio Lower Upper

75 100

53 99.9 81.8 122.8

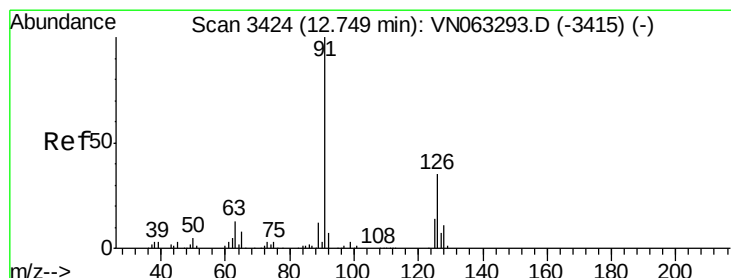
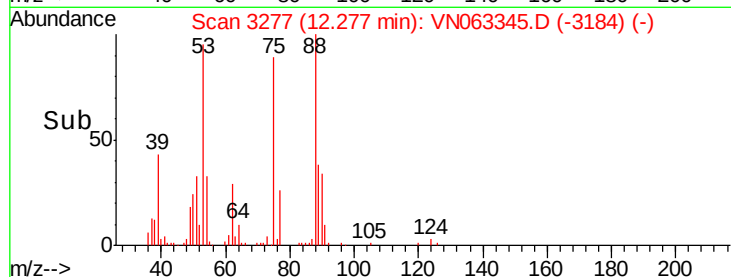
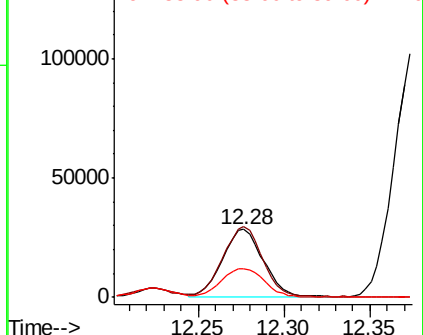
89 43.8 36.7 55.1



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



#82

4-Chlorotoluene

Concen: 17.391 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. -0.00 min

Lab File: VN063345.D

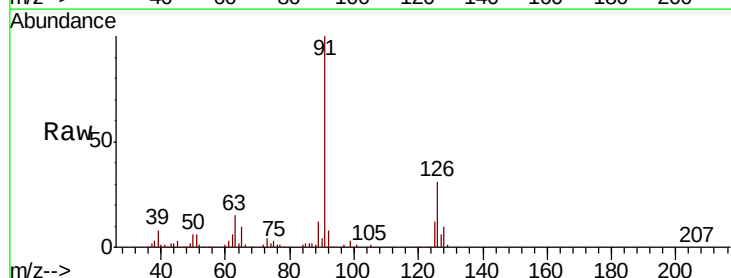
Acq: 14 Sep 2020 16:07

Tgt Ion: 91 Resp: 328200

Ion Ratio Lower Upper

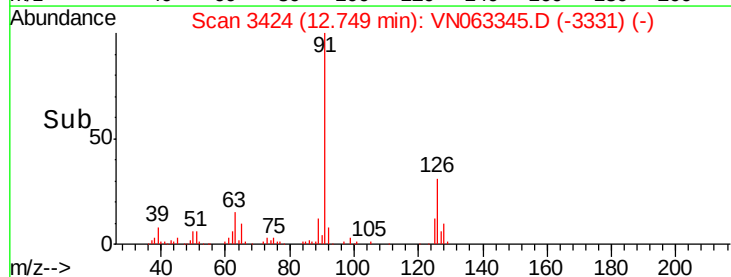
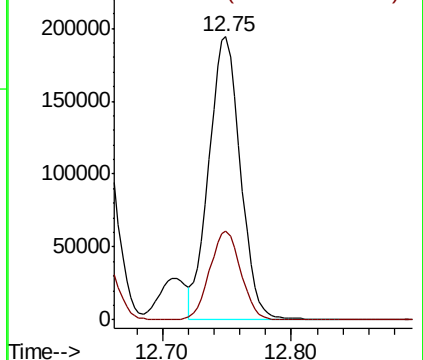
91 100

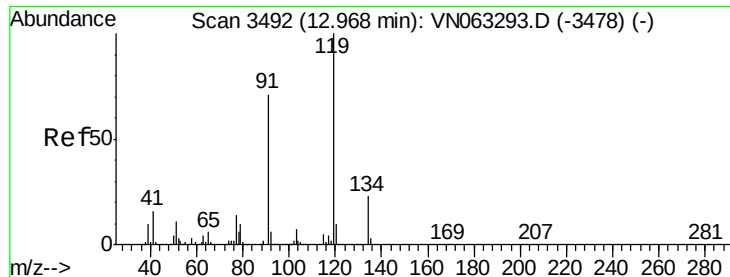
126 31.0 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 16.951 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

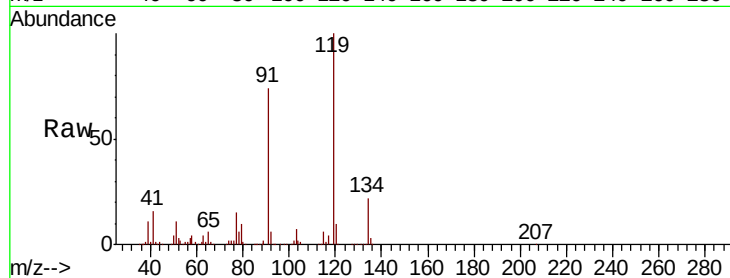
Tot Ion:119 Resp: 307662

Ion Ratio Lower Upper

119 100

91 73.2 34.8 104.3

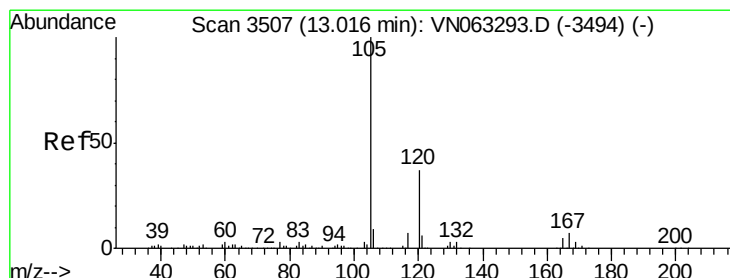
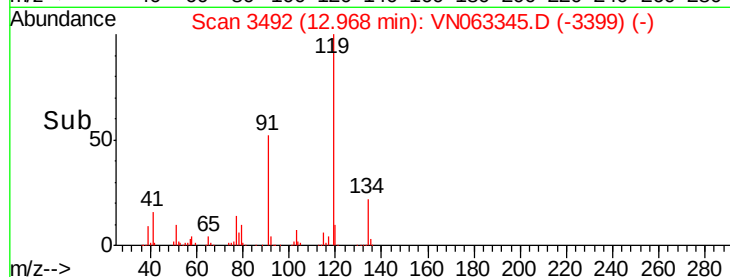
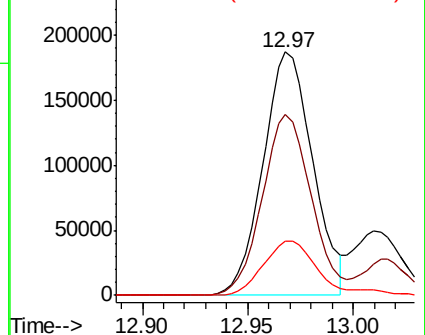
134 23.2 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.175 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VN063345.D

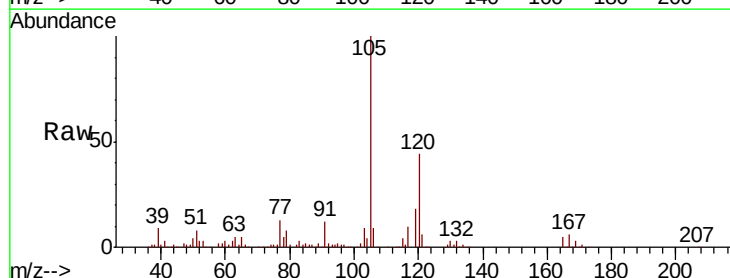
Acq: 14 Sep 2020 16:07

Tgt Ion:105 Resp: 392054

Ion Ratio Lower Upper

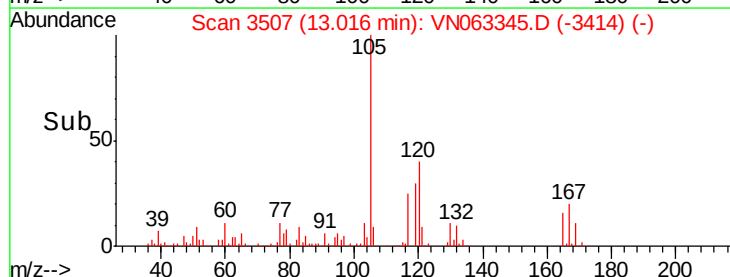
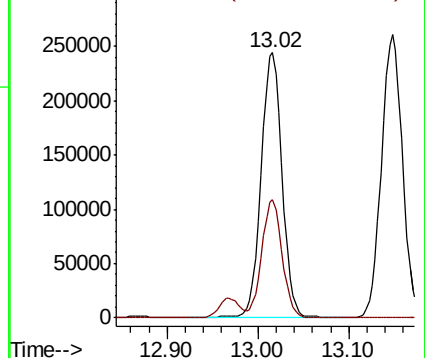
105 100

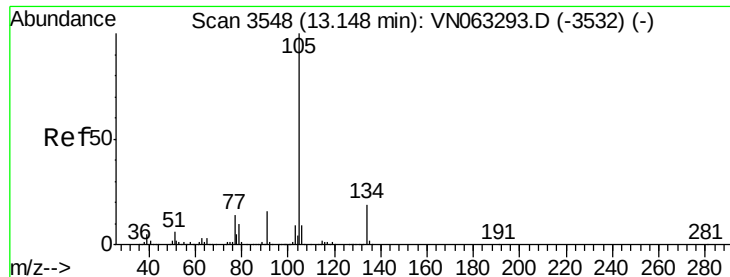
120 43.1 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.076 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

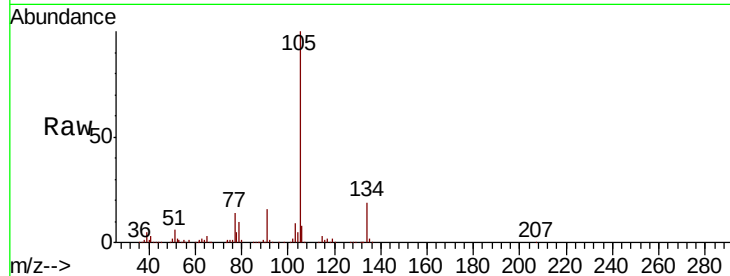
VN0914WBSD01

Tot Ion:105 Resp: 417405

Ion Ratio Lower Upper

105 100

134 18.5 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

250000

200000

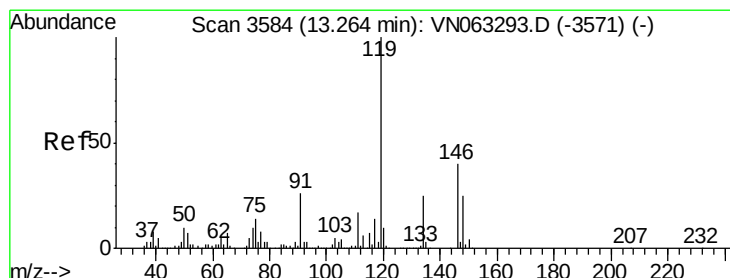
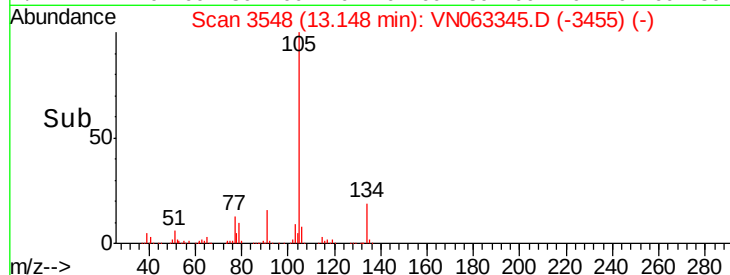
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.643 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

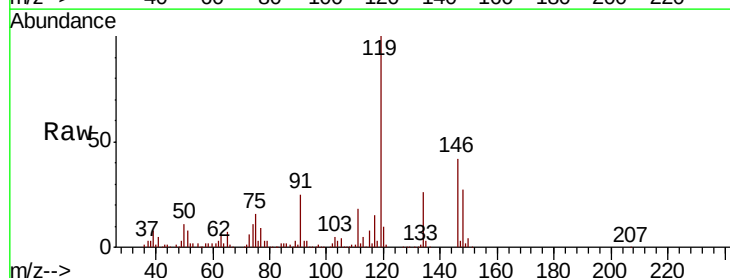
Tgt Ion:119 Resp: 373488

Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 25.2 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

250000

200000

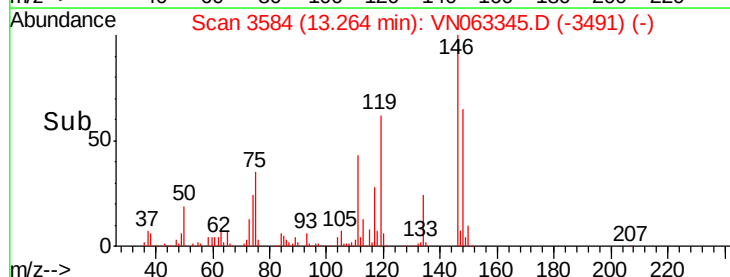
150000

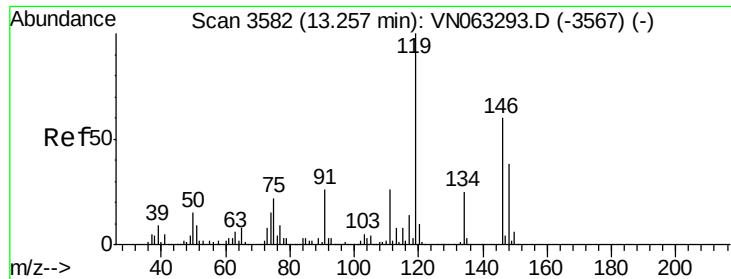
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.318 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

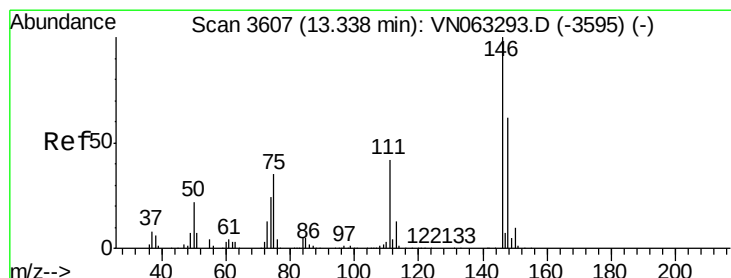
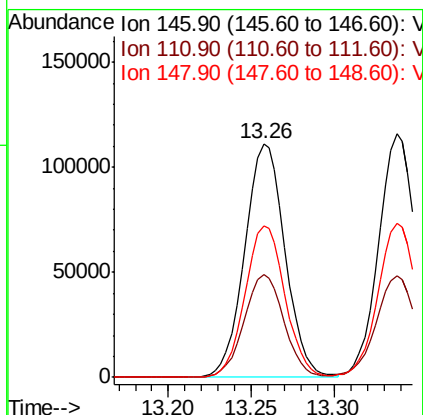
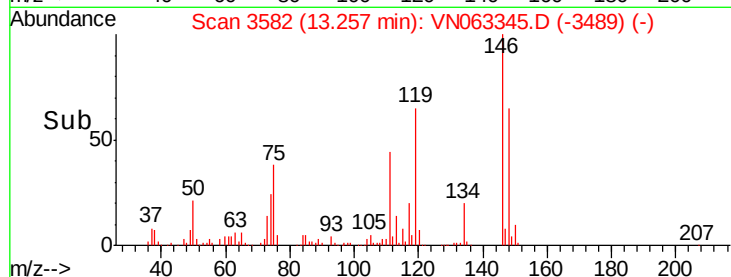
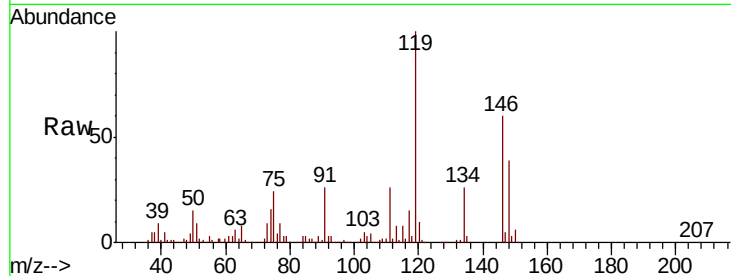
Tot Ion:146 Resp: 187568

Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.4

148 64.2 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 17.271 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

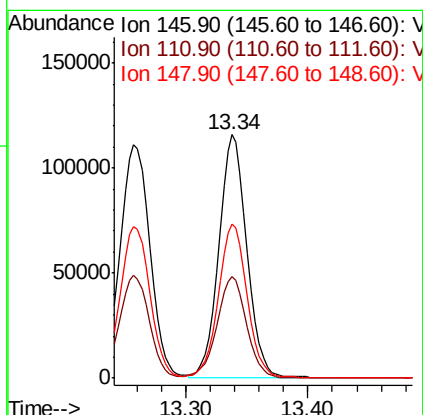
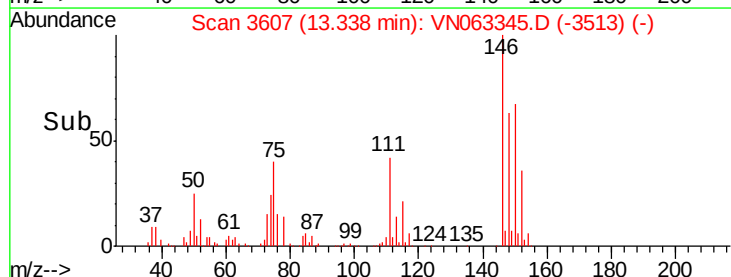
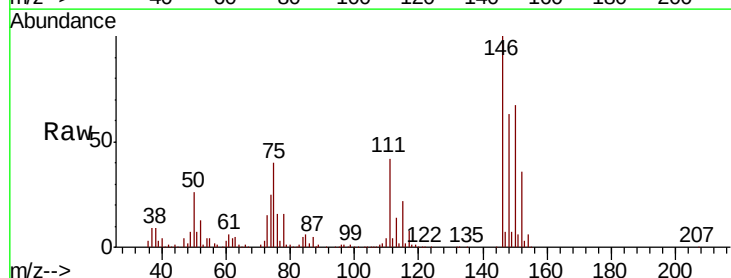
Tgt Ion:146 Resp: 185779

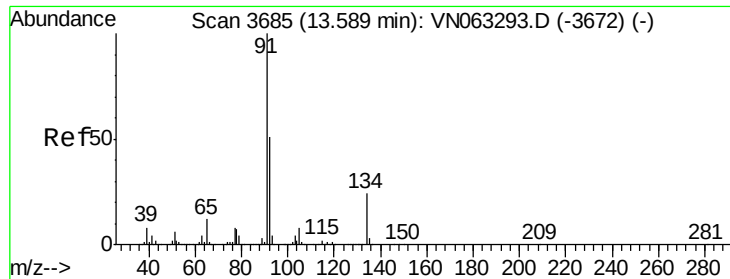
Ion Ratio Lower Upper

146 100

111 43.8 21.3 64.0

148 65.9 31.5 94.5





#89

n-Butylbenzene

Concen: 16.916 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN063345.D

Acq: 14 Sep 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

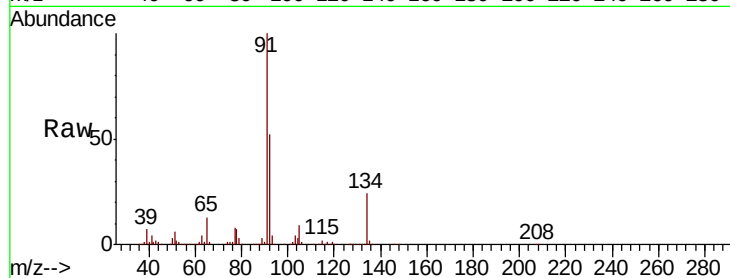
Tot Ion: 91 Resp: 323254

Ion Ratio Lower Upper

91 100

92 51.3 25.8 77.3

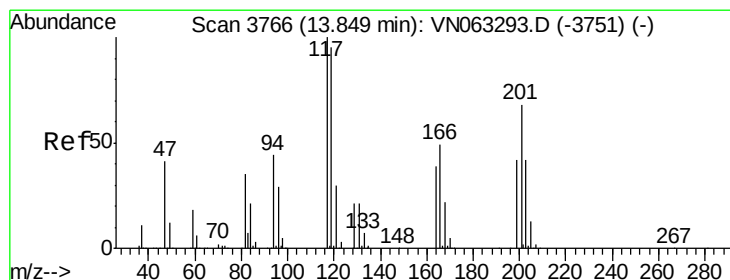
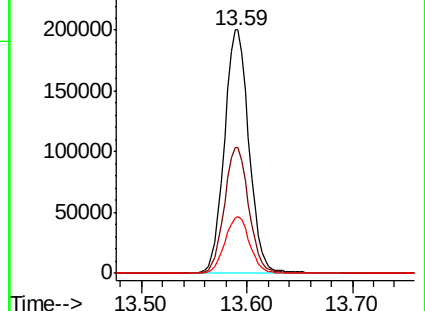
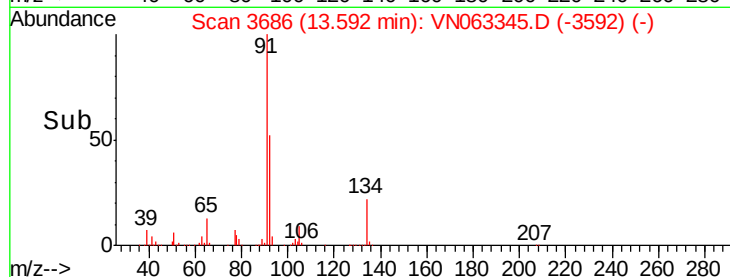
134 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN063293.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063293.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063293.D (-3672) (-)



#90

Hexachloroethane

Concen: 17.696 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063345.D

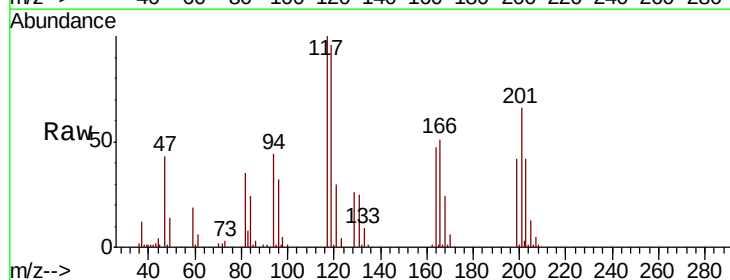
Acq: 14 Sep 2020 16:07

Tgt Ion: 117 Resp: 61619

Ion Ratio Lower Upper

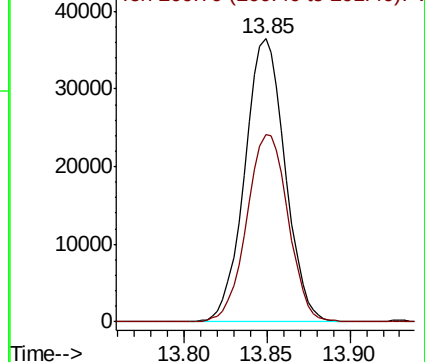
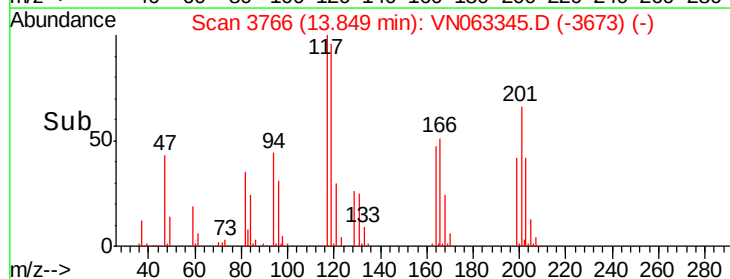
117 100

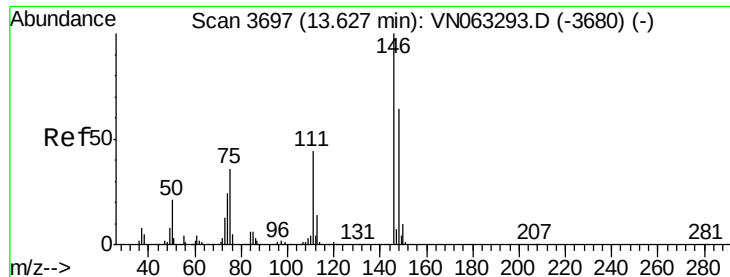
201 67.9 33.5 100.4



Abundance Ion 116.80 (116.50 to 117.50): VN063293.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN063293.D (-3751) (-)

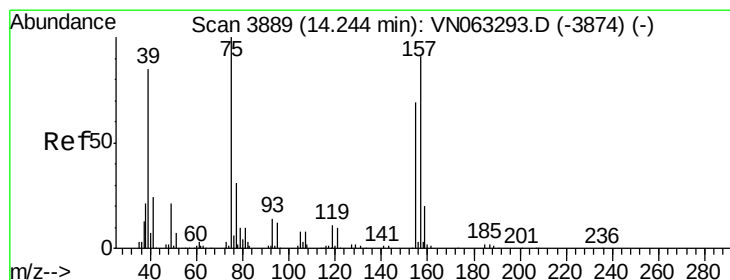
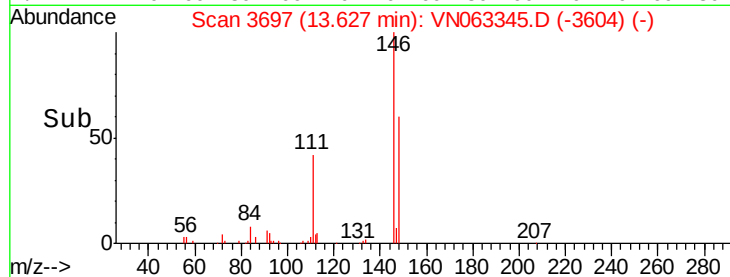
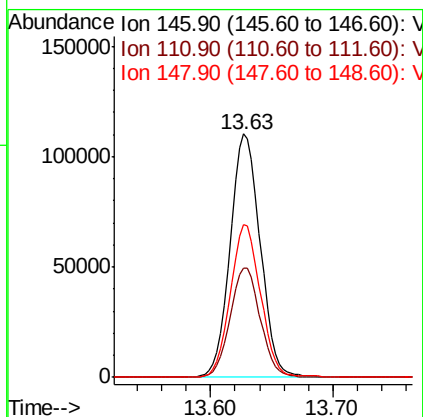
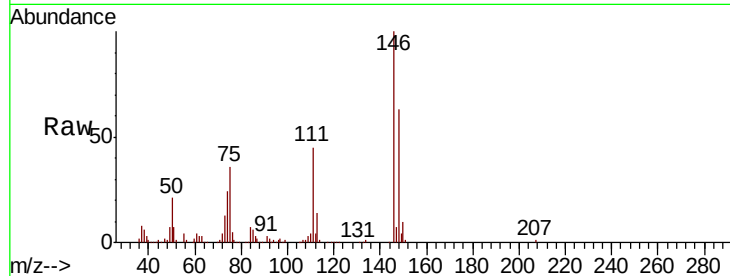




#91
 1,2-Dichlorobenzene
 Concen: 17.662 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

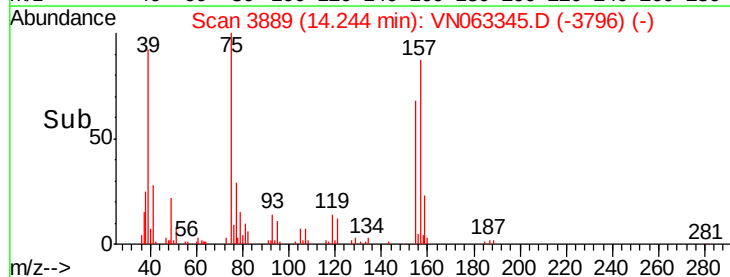
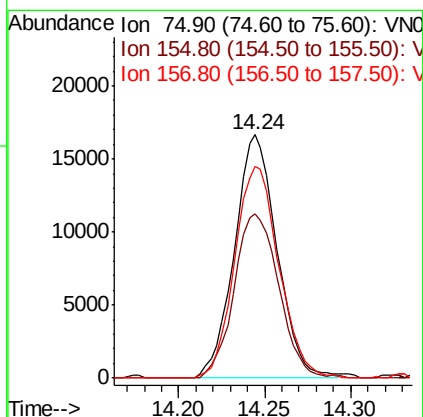
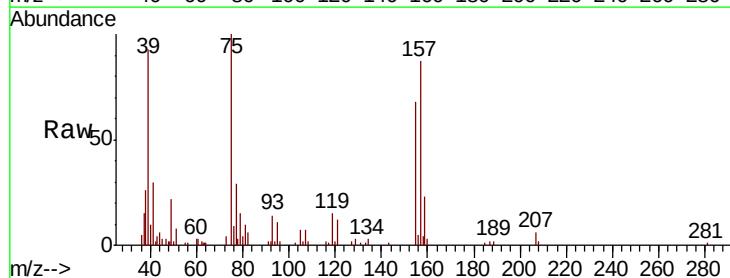
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

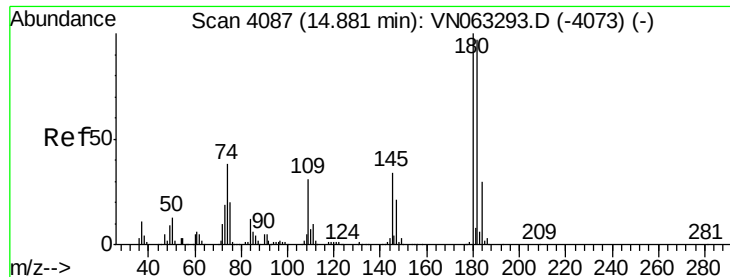
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.1	66.5
148	62.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.094 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	35.3	105.7
157	90.3	46.7	140.0

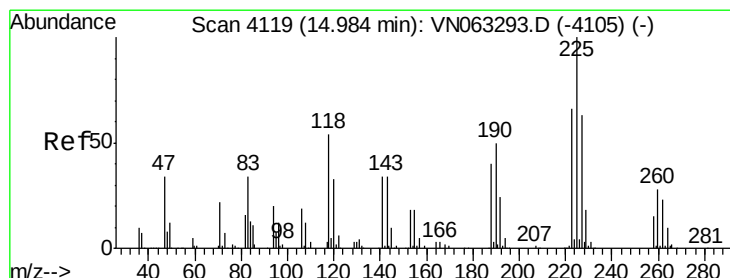
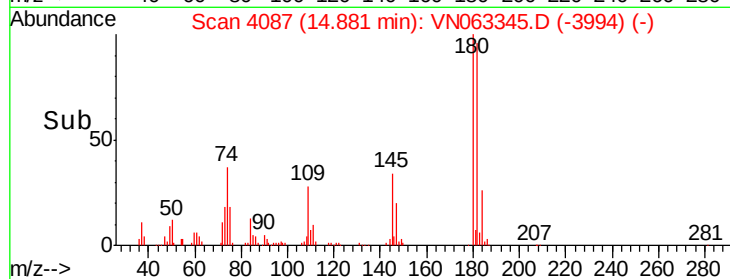
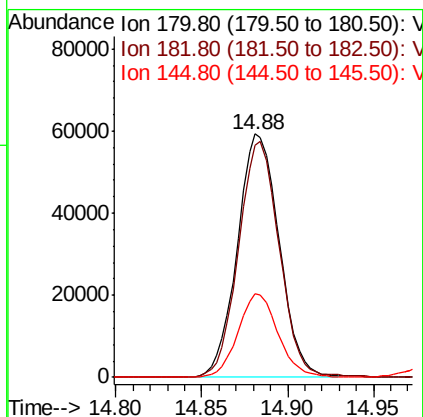
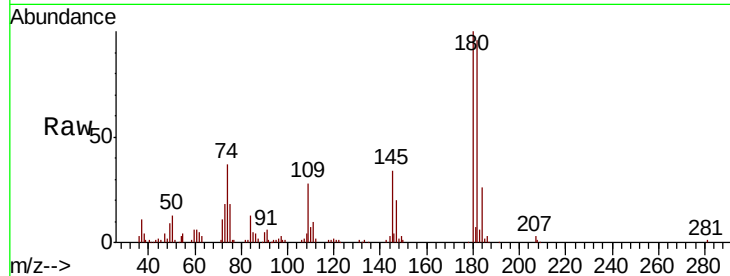




#93
 1,2,4-Trichlorobenzene
 Concen: 15.961 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

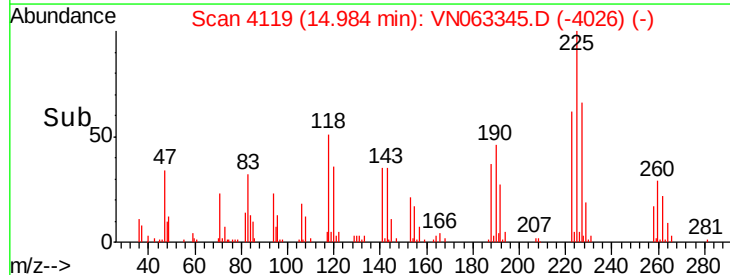
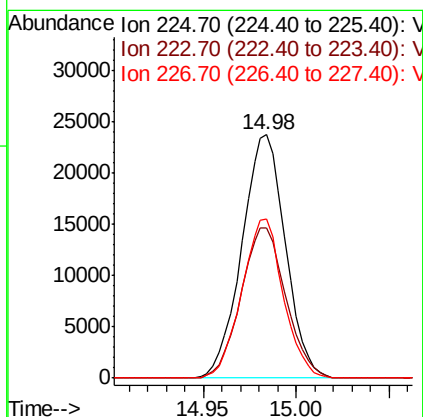
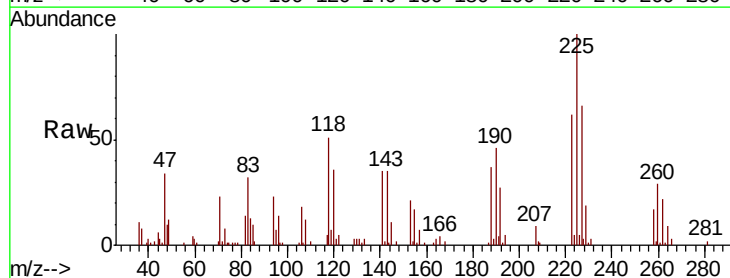
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

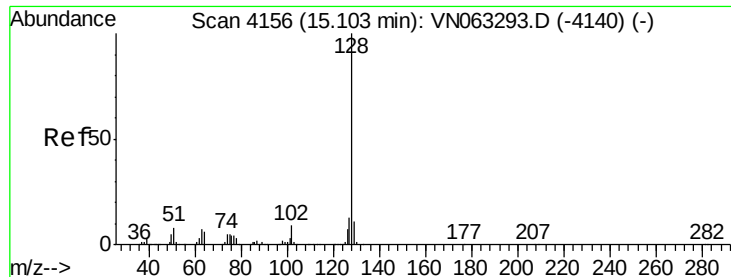
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	32.7	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: 16.279 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063345.D
 Acq: 14 Sep 2020 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.3	93.9
227	62.3	31.2	93.6

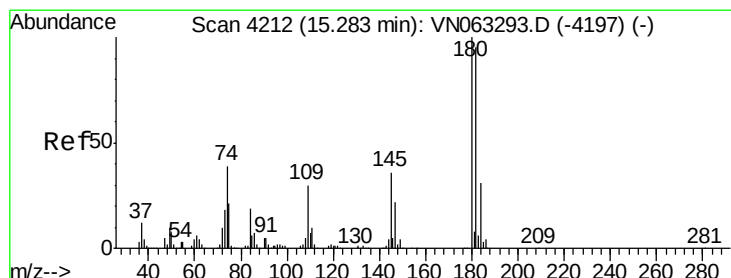
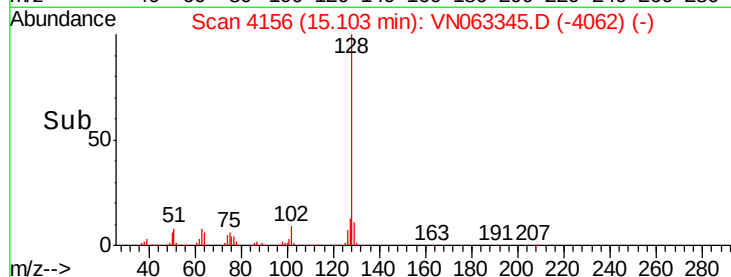
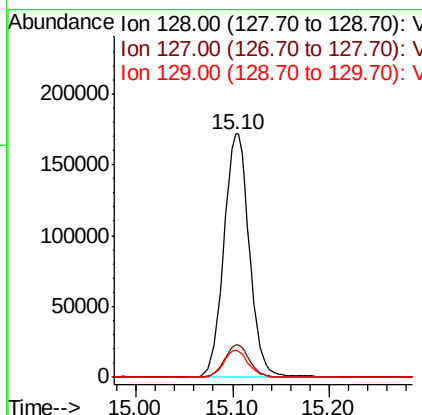
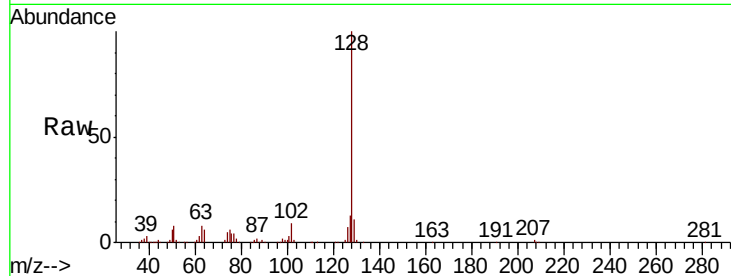




#95
Naphthalene
Concen: 16.292 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion:128 Resp: 313557
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.684 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063345.D
Acq: 14 Sep 2020 16:07

Tgt Ion:180 Resp: 96972
Ion Ratio Lower Upper
180 100
182 93.6 47.4 142.3
145 34.1 17.2 51.6

