

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050795.D
 Acq On : 21 Aug 2018 21:22
 Operator : MD\SY
 Sample : VN0821WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

Quant Time: Aug 22 06:43:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	613315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	885236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	805512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	396498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	376070	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	7.59	113	352428	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.09	98	1320469	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	421975	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187874	22.890	ug/l	98
3) Chloromethane	2.06	50	206906	20.438	ug/l	99
4) Vinyl Chloride	2.18	62	199160	20.768	ug/l	100
5) Bromomethane	2.57	94	110714	19.665	ug/l	97
6) Chloroethane	2.70	64	115184	20.788	ug/l	98
7) Trichlorofluoromethane	3.01	101	258965	21.088	ug/l	98
8) Diethyl Ether	3.41	74	82760	19.820	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158674	20.682	ug/l	99
10) Methyl Iodide	3.95	142	120377	21.952	ug/l	98
11) Tert butyl alcohol	4.79	59	46854	99.654	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	141289	20.511	ug/l	96
13) Acrolein	3.61	56	24237	99.867	ug/l	97
14) Allyl chloride	4.33	41	207558	19.337	ug/l	98
15) Acrylonitrile	4.99	53	240058	100.467	ug/l	98
16) Acetone	3.82	43	165537	90.161	ug/l	100
17) Carbon Disulfide	4.05	76	437650	18.952	ug/l	100
18) Methyl Acetate	4.33	43	130790	18.759	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	351481	20.285	ug/l	99
20) Methylene Chloride	4.55	84	164264	19.739	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	149645	20.085	ug/l	96
22) Diisopropyl ether	5.96	45	455568	21.297	ug/l	98
23) Vinyl Acetate	5.90	43	1401157	101.711	ug/l	99
24) 1,1-Dichloroethane	5.85	63	280010	20.389	ug/l	99
25) 2-Butanone	6.84	43	252880	84.988	ug/l	99
26) 2,2-Dichloropropane	6.83	77	194023	17.582	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	164563	20.488	ug/l	99
28) Bromochloromethane	7.20	49	119802	20.530	ug/l	99
29) Tetrahydrofuran	7.22	42	170693	100.056	ug/l	99
30) Chloroform	7.37	83	279582	20.559	ug/l	98
31) Cyclohexane	7.66	56	245863	19.978	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	237855	20.363	ug/l	100
36) 1,1-Dichloropropene	7.79	75	210216	20.124	ug/l	99
37) Ethyl Acetate	6.93	43	118774	19.794	ug/l	99
38) Carbon Tetrachloride	7.77	117	212480	20.123	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219099	19.387	ug/l	96
40) Benzene	8.04	78	646009	20.508	ug/l	99
41) Methacrylonitrile	7.17	41	56560	17.417	ug/l	89
42) 1,2-Dichloroethane	8.13	62	193689	20.566	ug/l	100
43) Isopropyl Acetate	8.17	43	206943	20.058	ug/l #	87
44) Trichloroethene	8.84	130	166759	20.073	ug/l	99
45) 1,2-Dichloropropane	9.12	63	167366	20.216	ug/l	100
46) Dibromomethane	9.21	93	99712	20.498	ug/l	99
47) Bromodichloromethane	9.40	83	206851	20.302	ug/l	100
48) Methyl methacrylate	9.20	41	104432	19.861	ug/l	100
49) 1,4-Dioxane	9.20	88	28023	390.947	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	589760	95.789	ug/l	100
52) Toluene	10.16	92	388949	20.844	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193198	19.051	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	228524	19.678	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144548	20.871	ug/l	99
56) Ethyl methacrylate	10.43	69	155361	18.783	ug/l	99
57) 1,3-Dichloropropane	10.71	76	234713	20.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	321000	89.879	ug/l	100
59) 2-Hexanone	10.75	43	373950	91.235	ug/l	98
60) Dibromochloromethane	10.90	129	157639	20.328	ug/l	100
61) 1,2-Dibromoethane	11.01	107	136074	20.318	ug/l	100
64) Tetrachloroethene	10.63	164	157493	20.585	ug/l	99
65) Chlorobenzene	11.44	112	423722	20.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	157392	20.431	ug/l	99
67) Ethyl Benzene	11.51	91	693463	20.260	ug/l	100
68) m/p-Xylenes	11.62	106	550620	42.381	ug/l	100
69) o-Xylene	11.95	106	259326	20.762	ug/l	100
70) Styrene	11.96	104	405345	19.217	ug/l	98
71) Bromoform	12.13	173	105669	19.947	ug/l #	100
73) Isopropylbenzene	12.25	105	682440	20.786	ug/l	100
74) N-amyl acetate	12.07	43	158995	19.274	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	172841	21.137	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	193636	27.883	ug/l #	100
77) Bromobenzene	12.53	156	177758	19.922	ug/l	98
78) n-propylbenzene	12.59	91	769270	20.975	ug/l	100
79) 2-Chlorotoluene	12.68	91	473505	20.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	564157	21.296	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	36496	17.766	ug/l	97
82) 4-Chlorotoluene	12.77	91	469884	20.834	ug/l	99
83) tert-Butylbenzene	12.99	119	485450	21.159	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	573968	21.539	ug/l	99
85) sec-Butylbenzene	13.17	105	631476	21.005	ug/l	100
86) p-Isopropyltoluene	13.29	119	538500	21.022	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	301309	19.899	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	288756	19.377	ug/l	99
89) n-Butylbenzene	13.62	91	394024	19.232	ug/l	99
90) Hexachloroethane	13.88	117	100069	20.606	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	293478	20.090	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22654	19.213	ug/l	96

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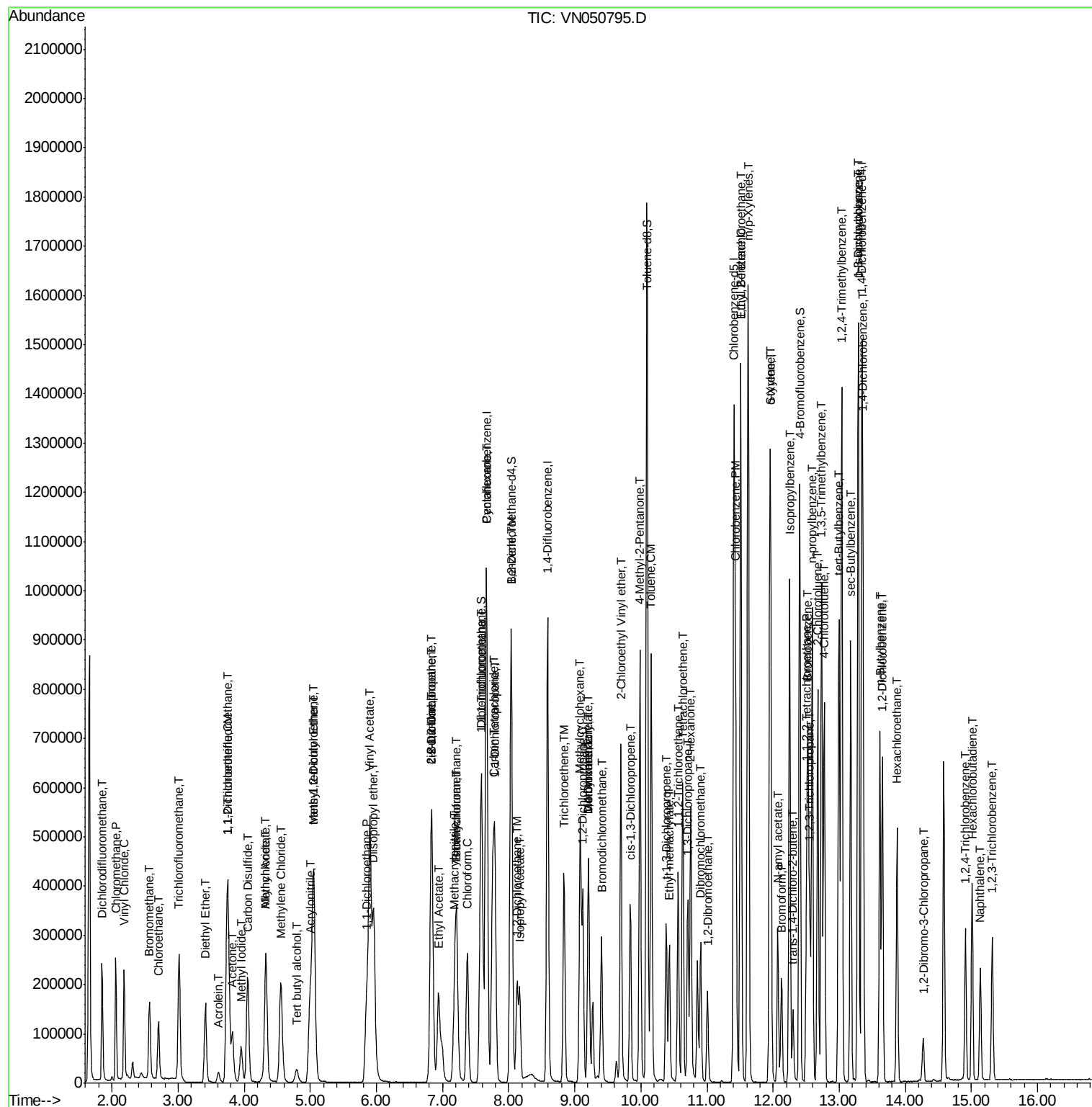
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108633	17.210	ug/l	100
94) Hexachlorobutadiene	15.01	225	89130	19.909	ug/l	99
95) Naphthalene	15.13	128	199219	16.617	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	111076	17.860	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082118\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampled :

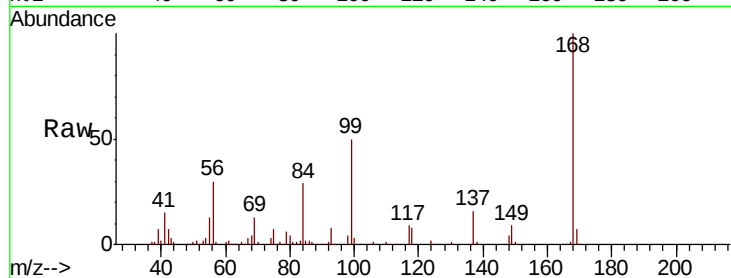
VN0821WBS02

Tot Ion:168 Resp: 613315

Ion Ratio Lower Upper

168 100

99 50.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

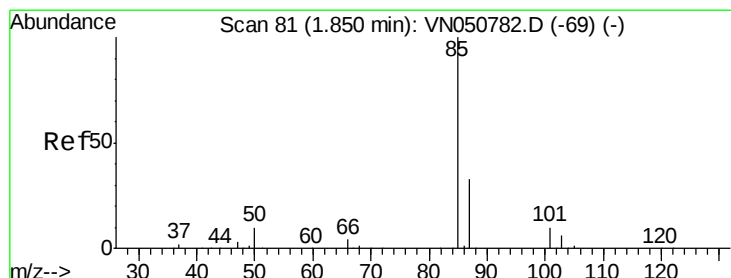
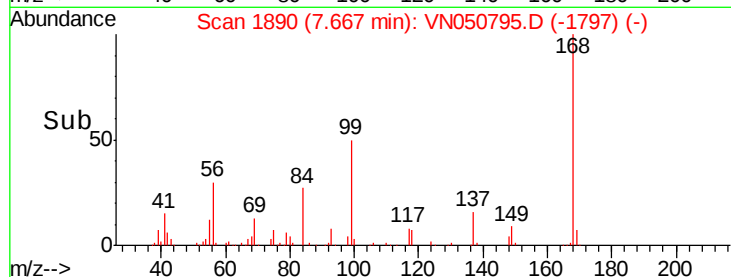
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.890 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050795.D

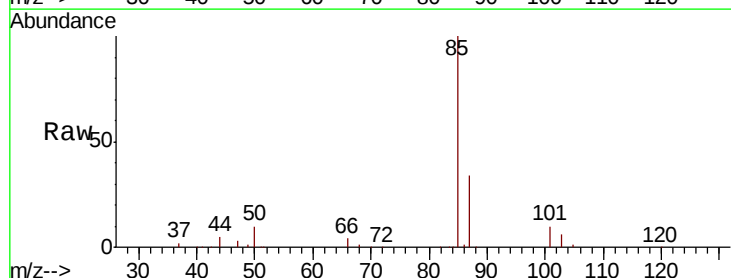
Acq: 21 Aug 2018 21:22

Tgt Ion: 85 Resp: 187874

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

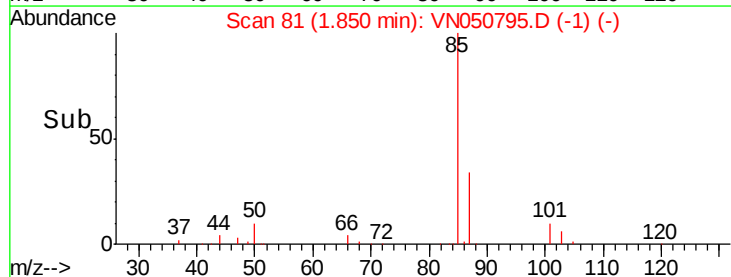
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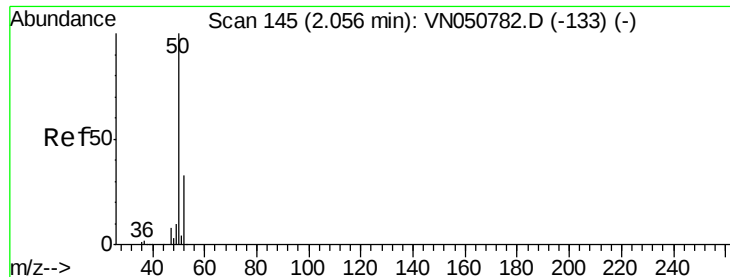
100000

50000

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Time-->





#3

Chloromethane

Concen: 20.438 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

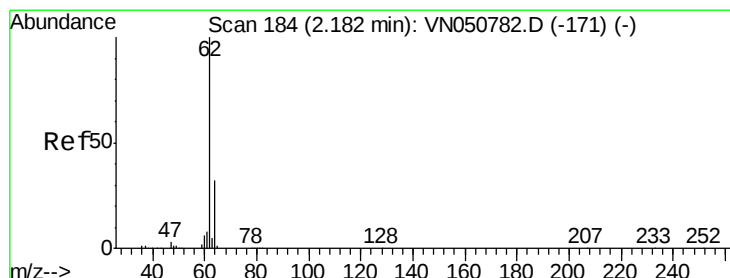
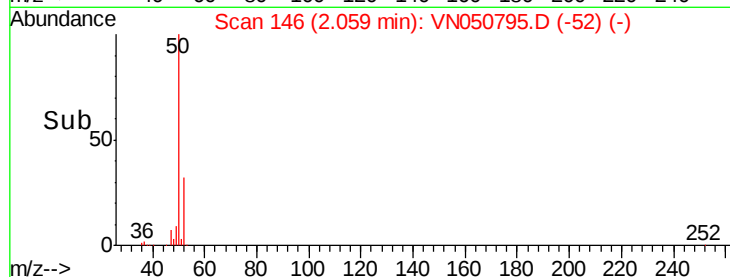
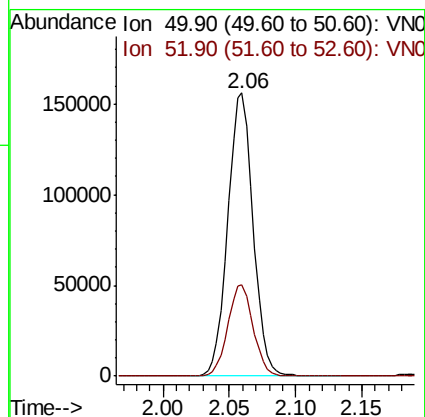
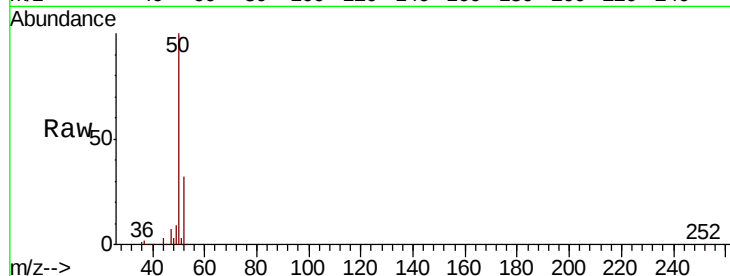
VN0821WBS02

Tot Ion: 50 Resp: 206906

Ion Ratio Lower Upper

50 100

52 32.1 26.3 39.5



#4

Vinyl Chloride

Concen: 20.768 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050795.D

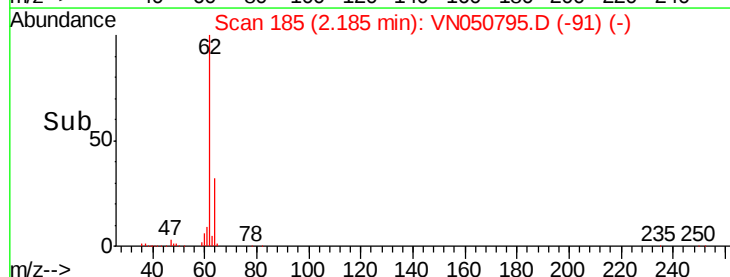
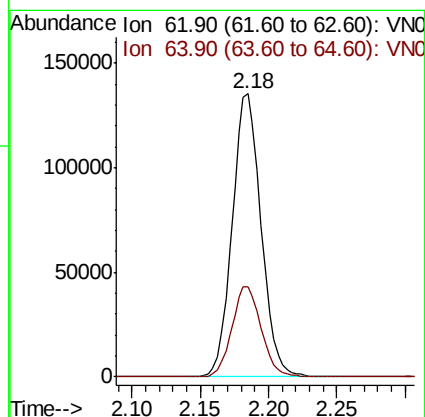
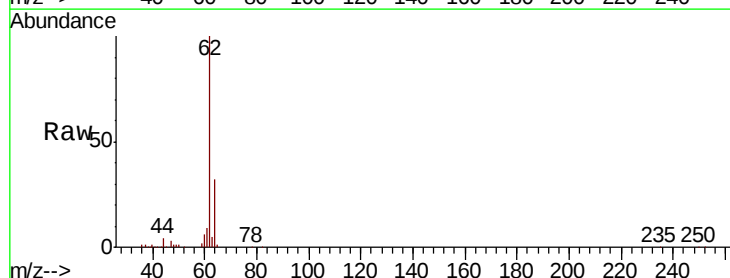
Acq: 21 Aug 2018 21:22

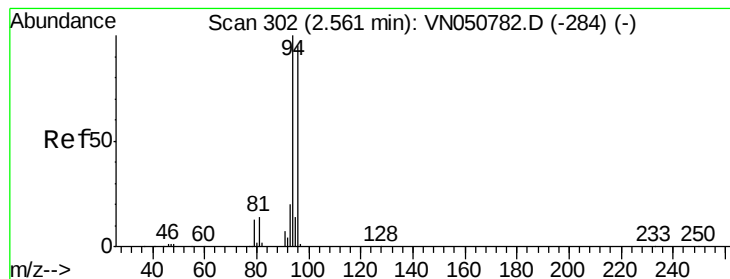
Tgt Ion: 62 Resp: 199160

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 19.665 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

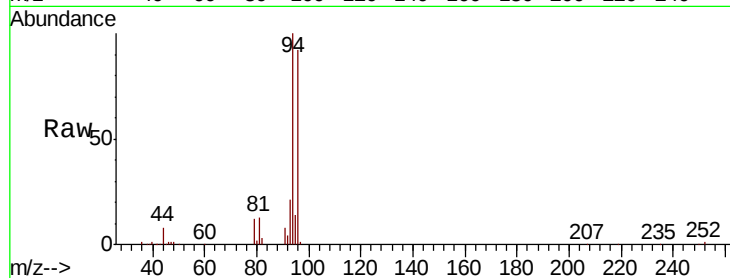
VN0821WBS02

Tot Ion: 94 Resp: 110714

Ion Ratio Lower Upper

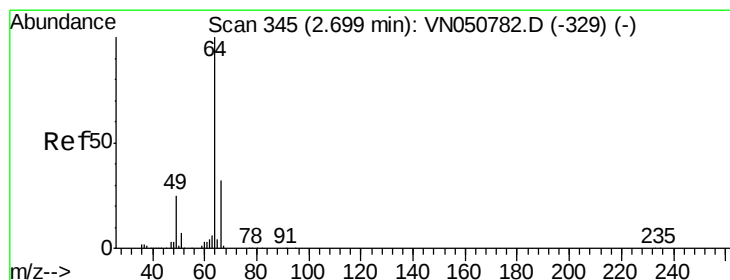
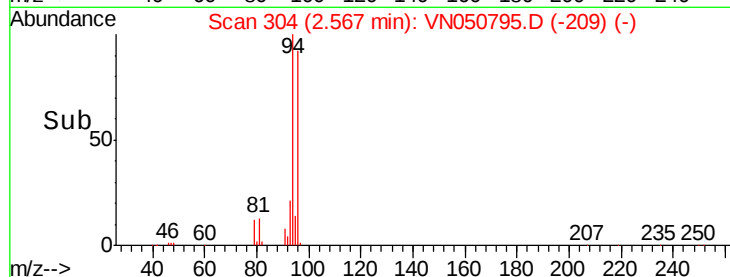
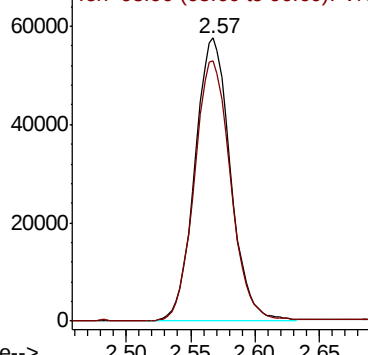
94 100

96 92.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.788 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050795.D

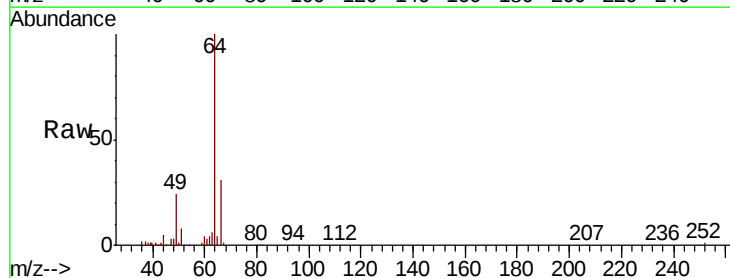
Acq: 21 Aug 2018 21:22

Tgt Ion: 64 Resp: 115184

Ion Ratio Lower Upper

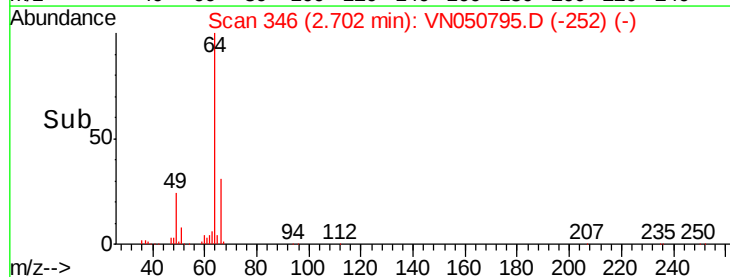
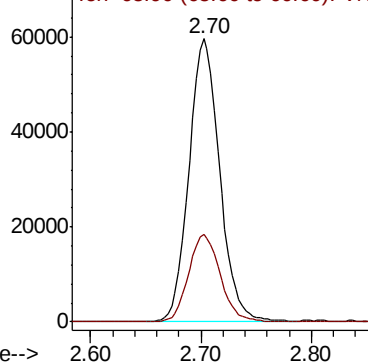
64 100

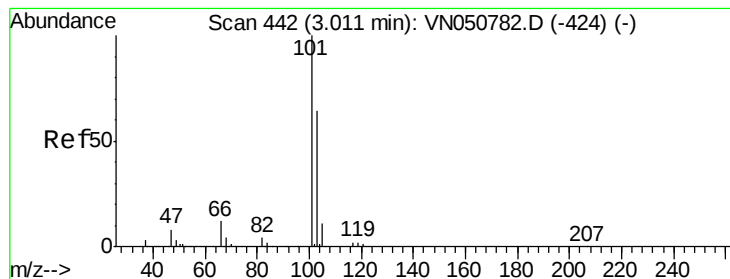
66 30.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



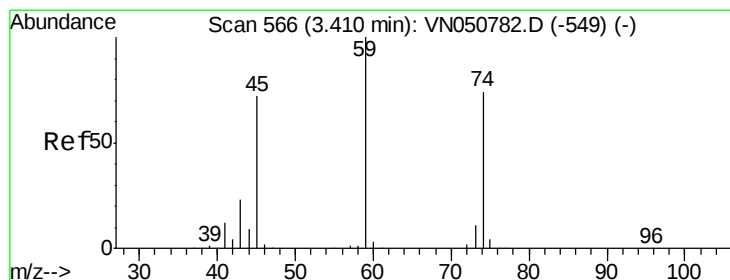
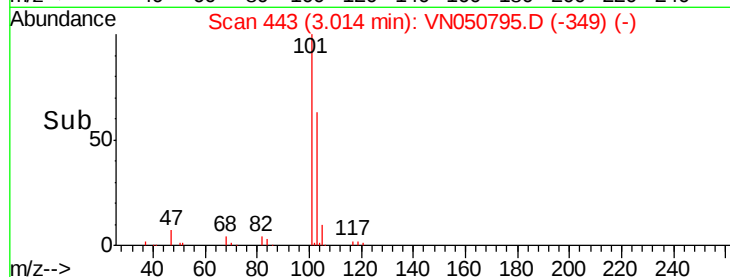
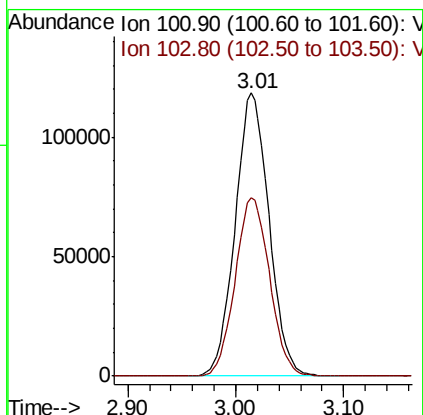
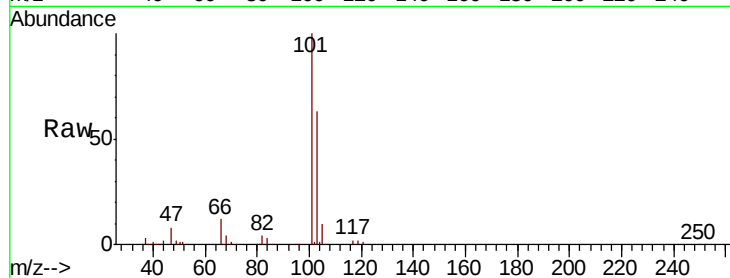


#7

Trichlorofluoromethane
 Concen: 21.088 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

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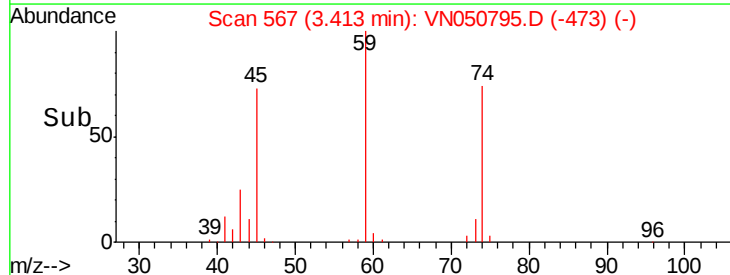
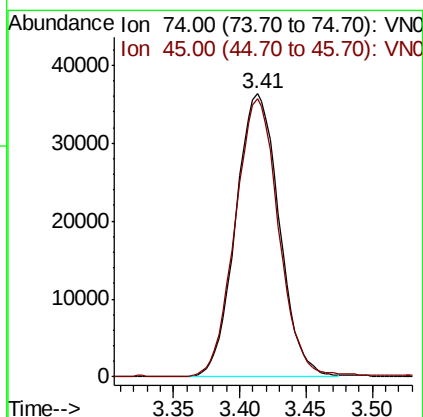
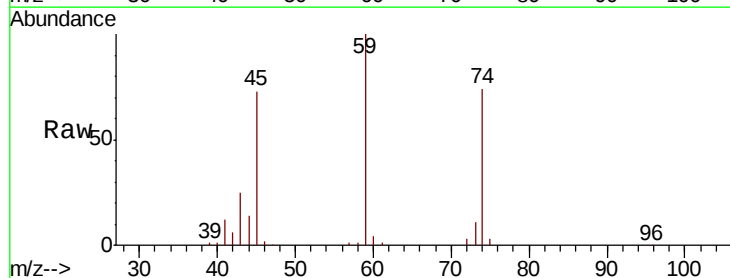
Tot Ion:101 Resp: 258965
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.6 77.4



#8

Diethyl Ether
 Concen: 19.820 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 74 Resp: 82760
 Ion Ratio Lower Upper
 74 100
 45 98.8 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.682 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

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ClientSampleId :

VN0821WBS02

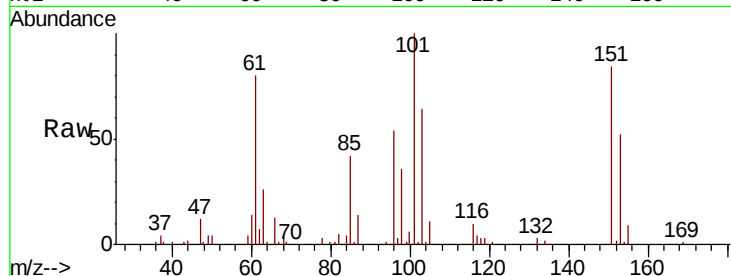
Tot Ion:101 Resp: 158674

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

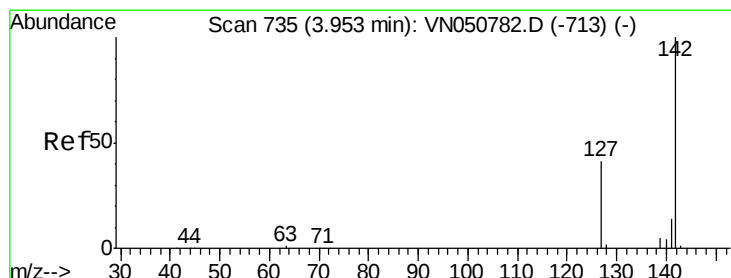
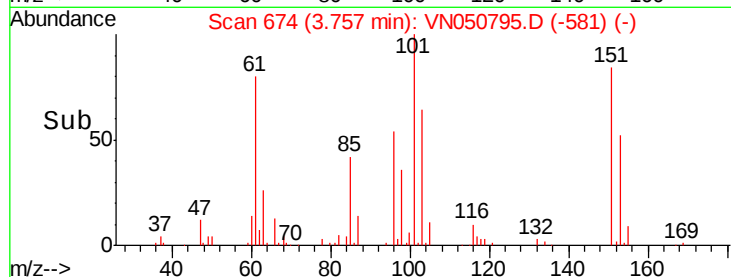
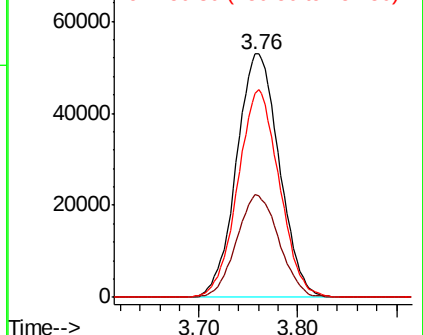
151 82.9 67.4 101.2



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: 21.952 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

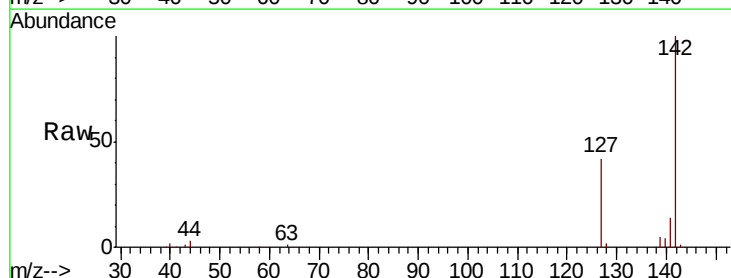
Tgt Ion:142 Resp: 120377

Ion Ratio Lower Upper

142 100

127 40.9 31.7 47.5

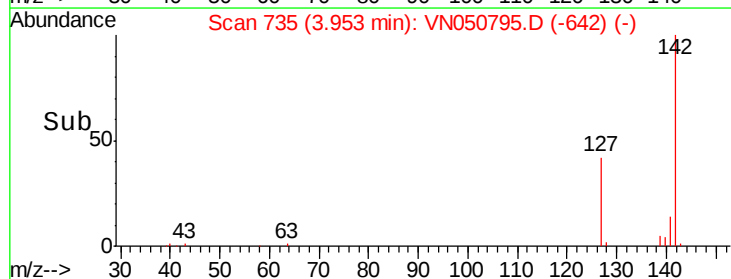
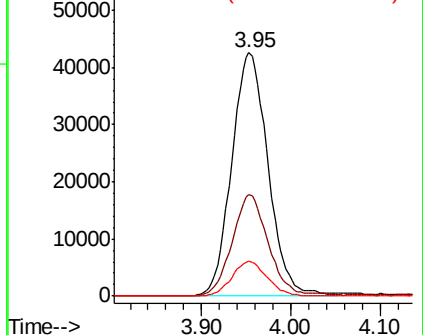
141 13.9 11.4 17.0

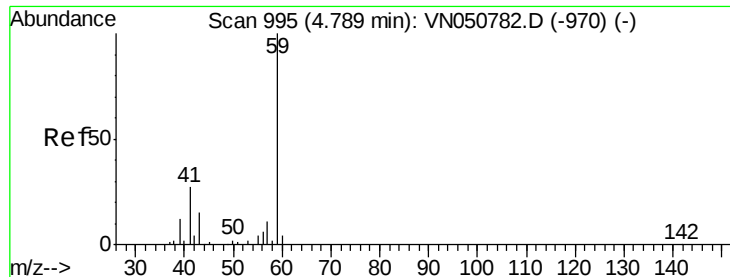


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



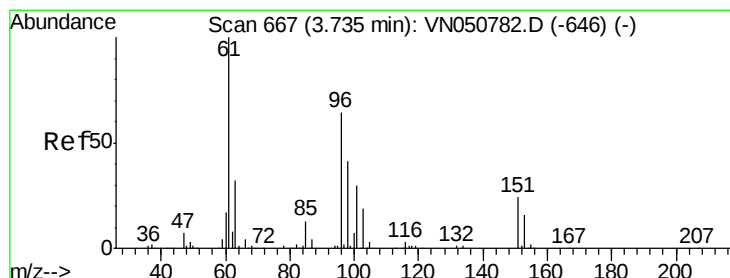
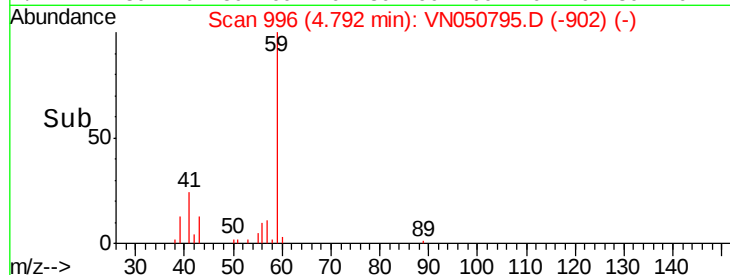
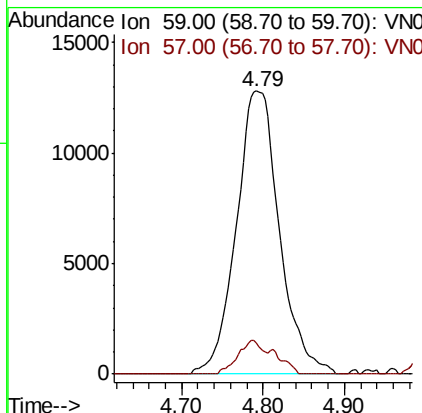
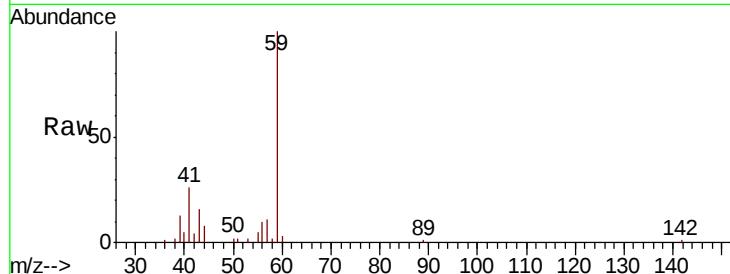


#11

Tert butyl alcohol
 Concen: 99.654 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

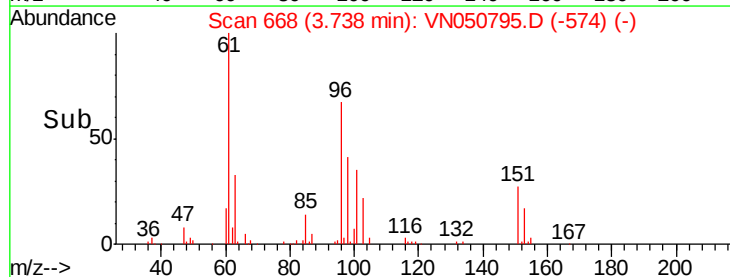
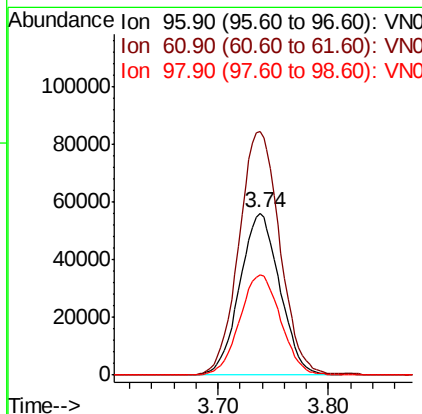
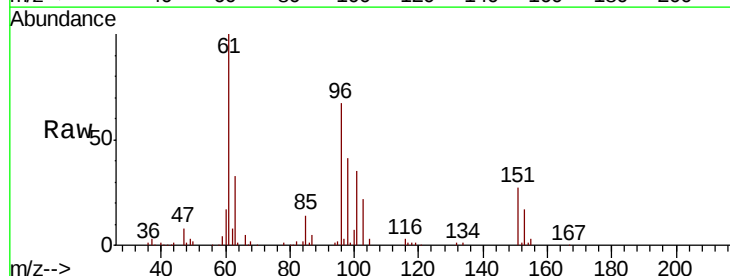
Tot Ion: 59 Resp: 46854
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.3 12.5#

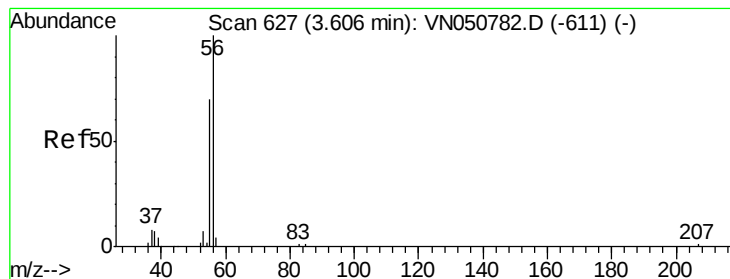


#12

1,1-Dichloroethene
 Concen: 20.511 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 96 Resp: 141289
 Ion Ratio Lower Upper
 96 100
 61 150.1 124.9 187.3
 98 61.6 51.1 76.7





#13

Acrolein

Concen: 99.867 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

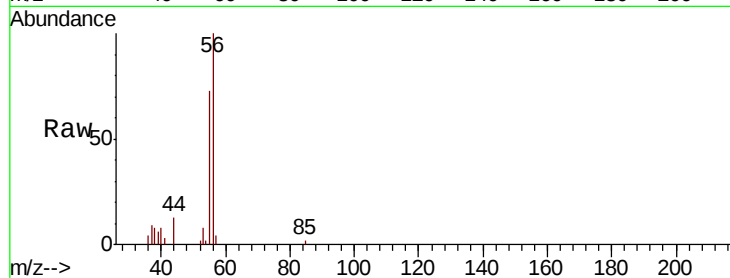
VN0821WBS02

Tot Ion: 56 Resp: 24237

Ion Ratio Lower Upper

56 100

55 74.5 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

6000

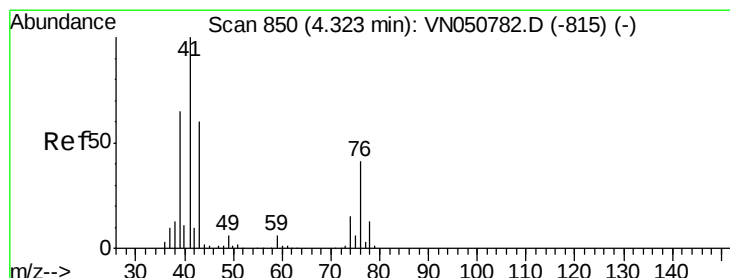
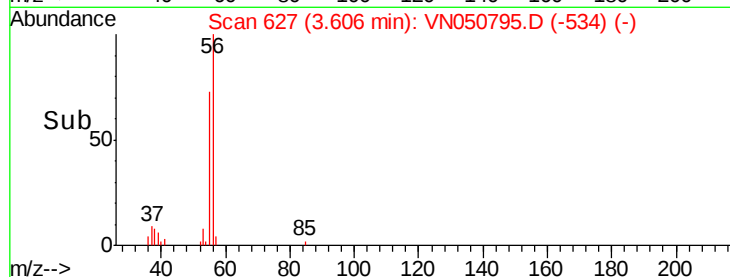
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.337 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

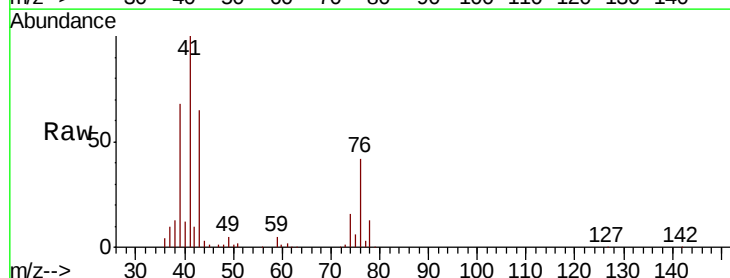
Tgt Ion: 41 Resp: 207558

Ion Ratio Lower Upper

41 100

39 64.6 50.2 75.2

76 37.1 29.8 44.8



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

4.33

80000

60000

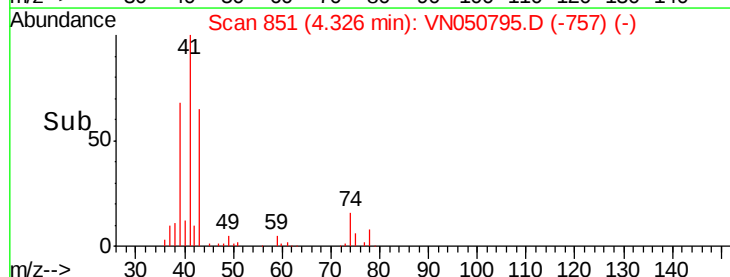
40000

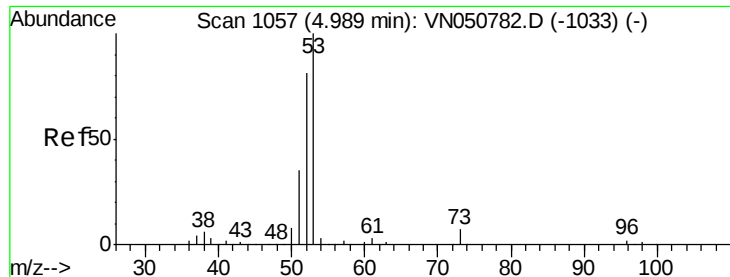
20000

0

Time-->

4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 100.467 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

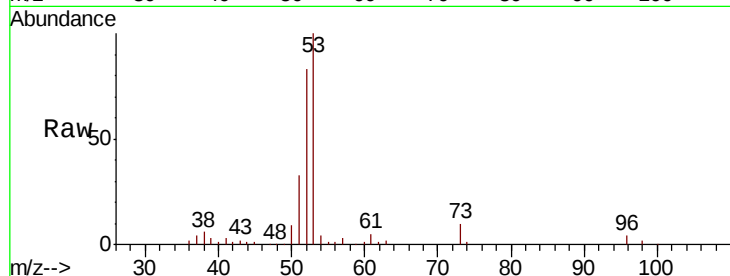
Tot Ion: 53 Resp: 240058

Ion Ratio Lower Upper

53 100

52 80.3 65.9 98.9

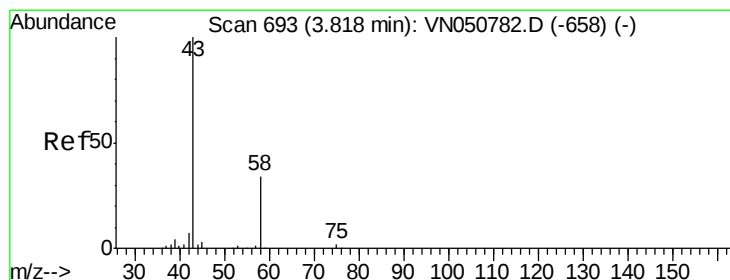
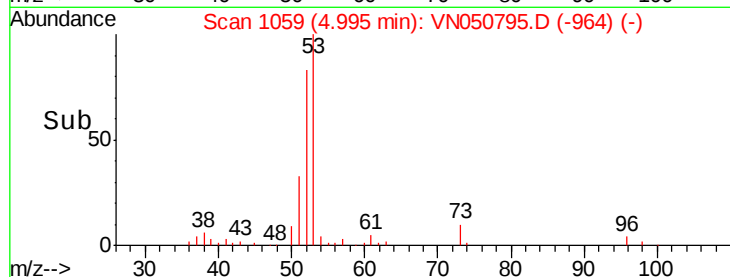
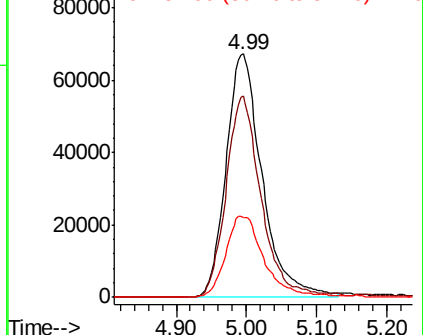
51 35.6 28.6 43.0



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: 90.161 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050795.D

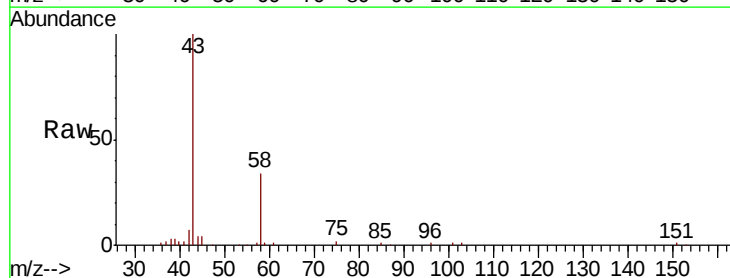
Acq: 21 Aug 2018 21:22

Tgt Ion: 43 Resp: 165537

Ion Ratio Lower Upper

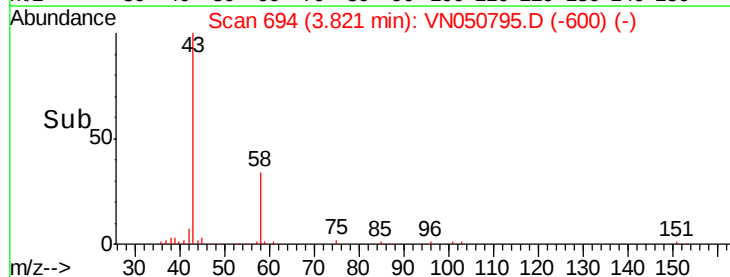
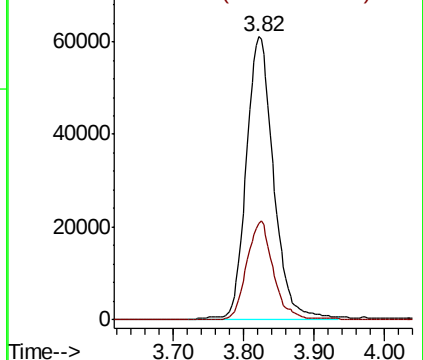
43 100

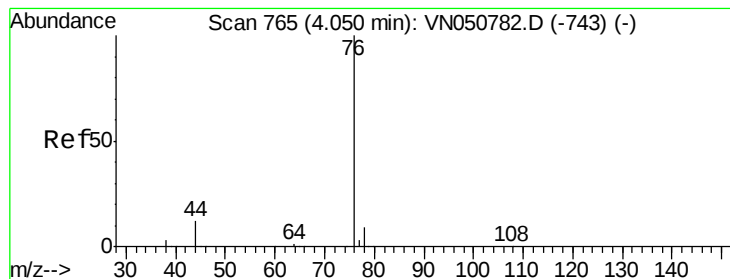
58 34.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.952 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

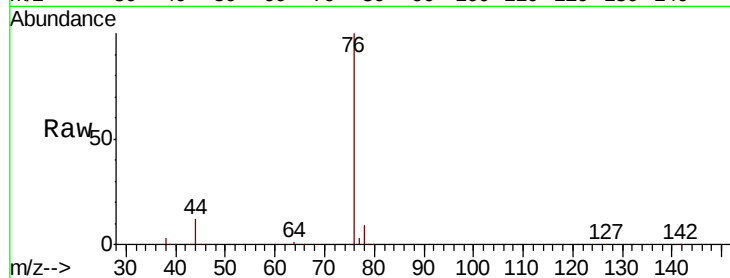
VN0821WBS02

Tot Ion: 76 Resp: 437650

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

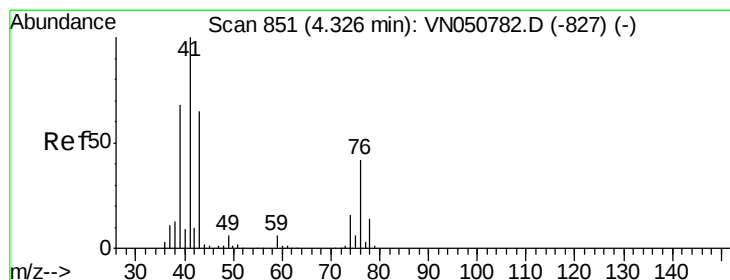
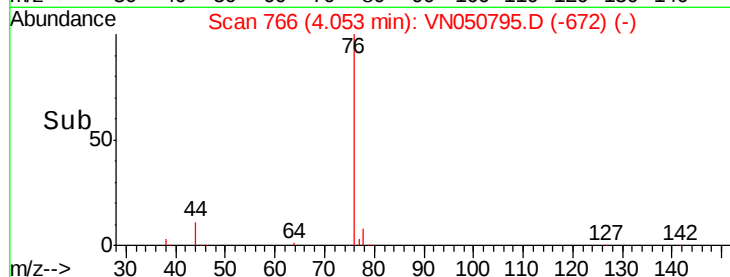
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.759 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050795.D

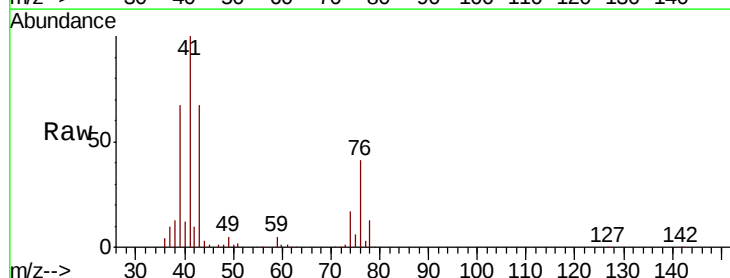
Acq: 21 Aug 2018 21:22

Tgt Ion: 43 Resp: 130790

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

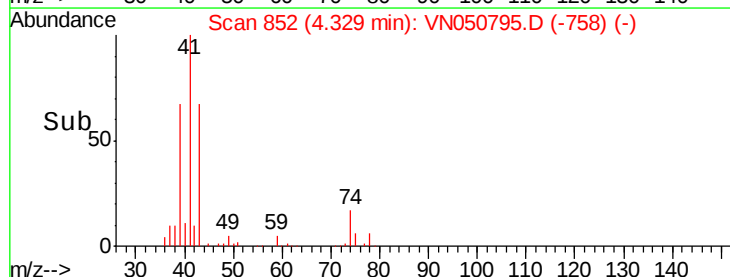
30000

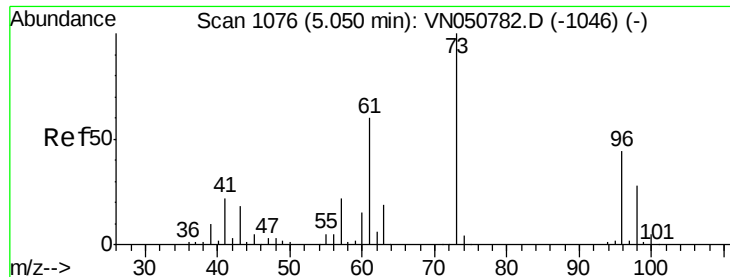
20000

10000

0

Time-->

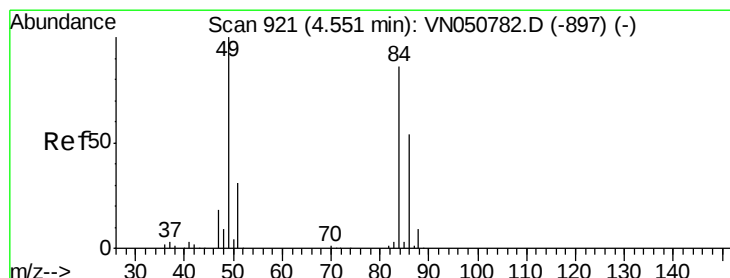
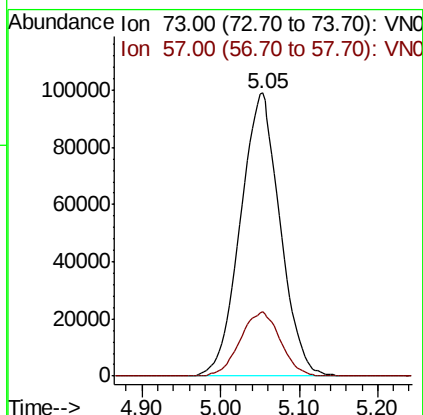
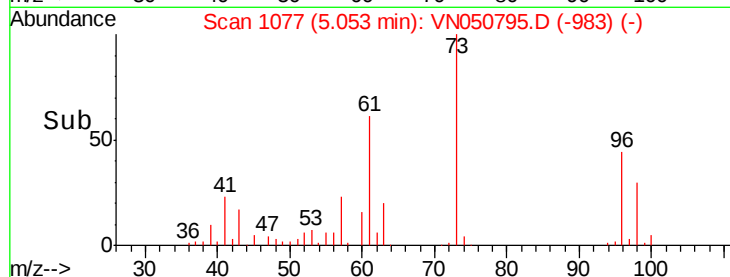
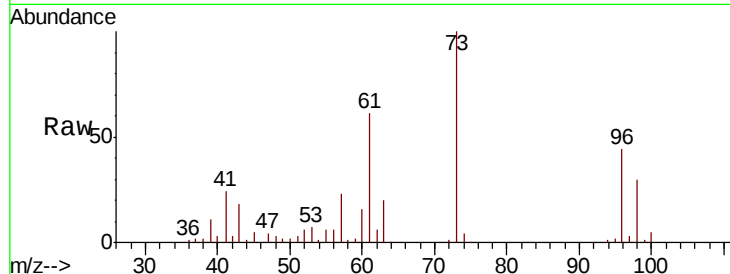




#19
Methyl tert-butyl Ether
Concen: 20.285 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

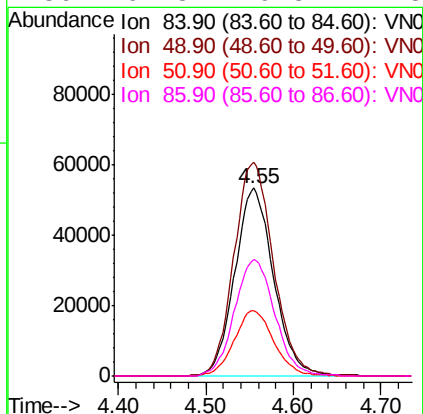
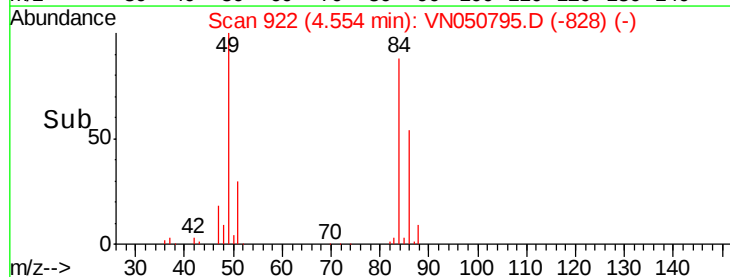
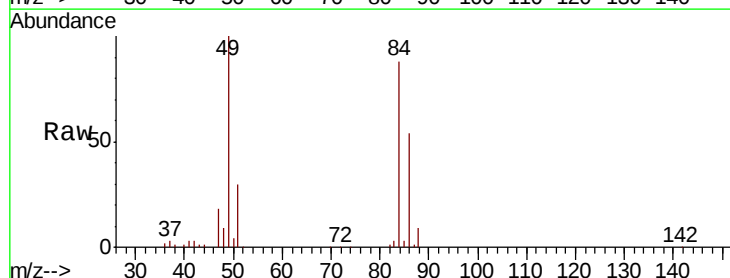
Instrument :
MSVOA_N
ClientSampled :
VN0821WBS02

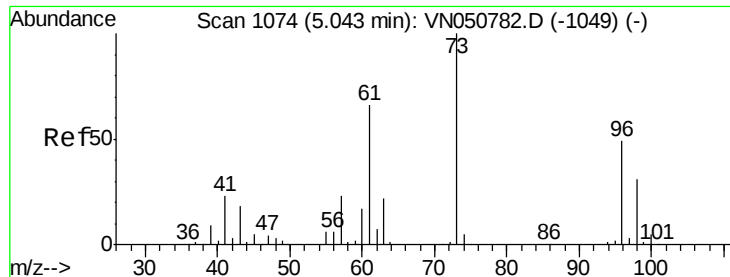
Tot Ion: 73 Resp: 351481
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 19.739 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion: 84 Resp: 164264
Ion Ratio Lower Upper
84 100
49 113.8 93.2 139.8
51 34.7 29.0 43.6
86 61.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.085 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

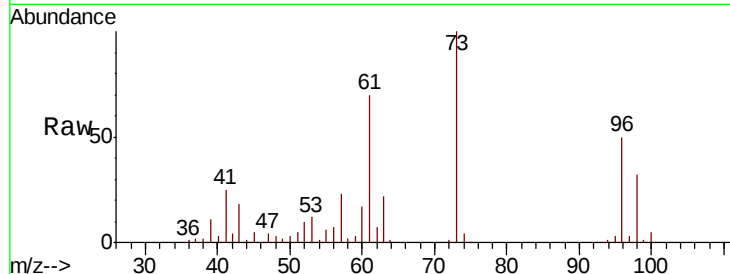
Tot Ion: 96 Resp: 149645

Ion Ratio Lower Upper

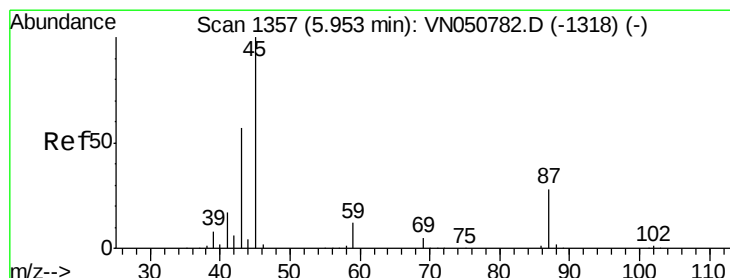
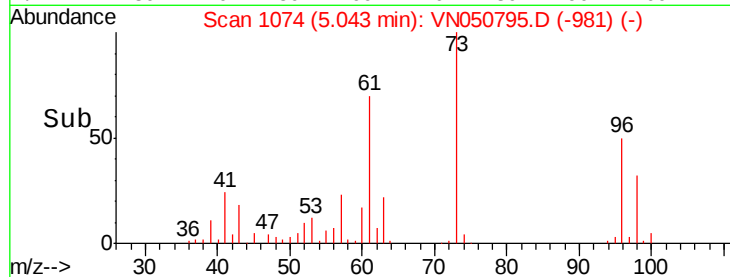
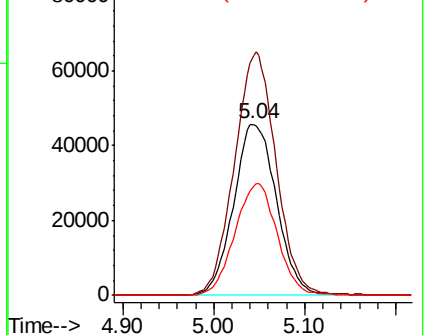
96 100

61 140.1 107.4 161.0

98 63.9 50.7 76.1



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: 21.297 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Tgt Ion: 45 Resp: 455568

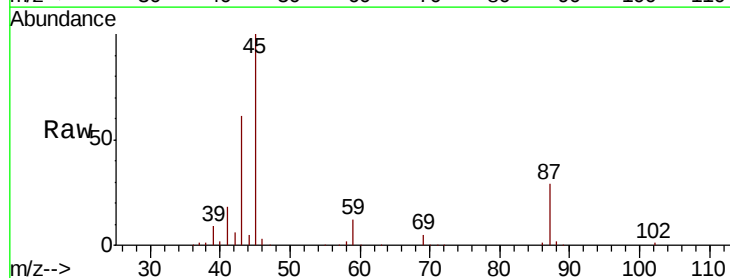
Ion Ratio Lower Upper

45 100

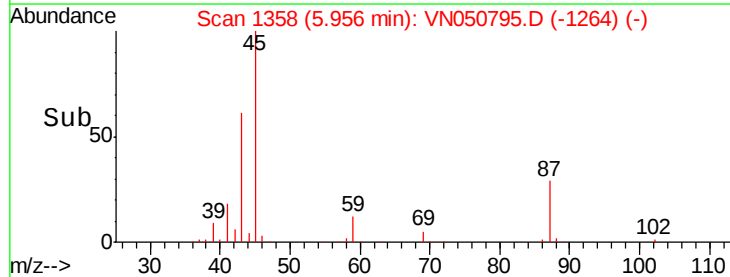
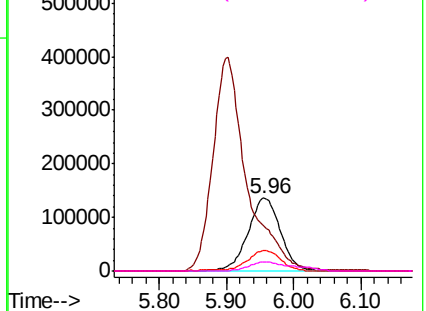
43 59.6 45.9 68.9

87 28.8 22.7 34.1

59 12.1 9.3 13.9



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

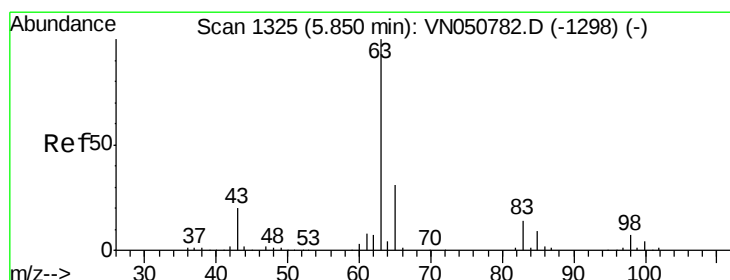
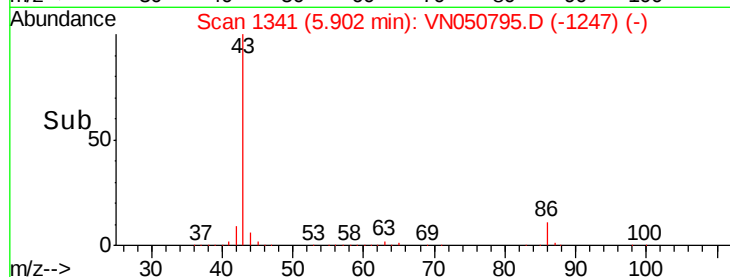
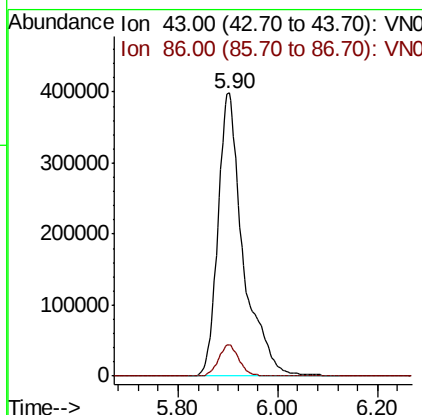
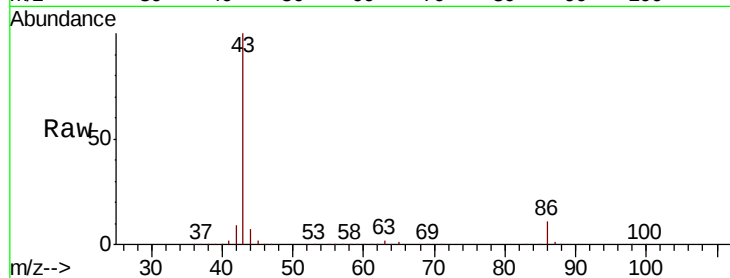




#23
 Vinyl Acetate
 Concen: 101.711 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

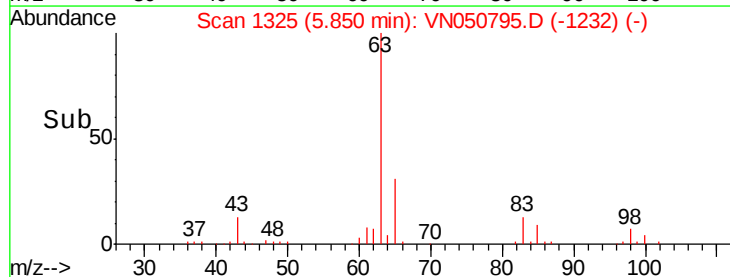
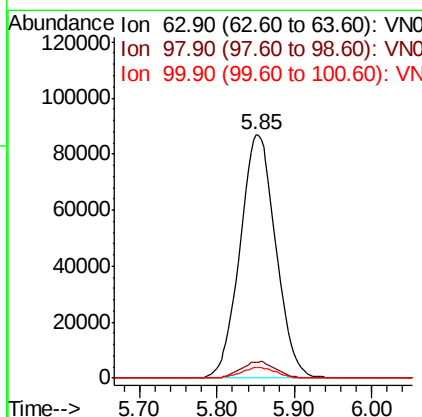
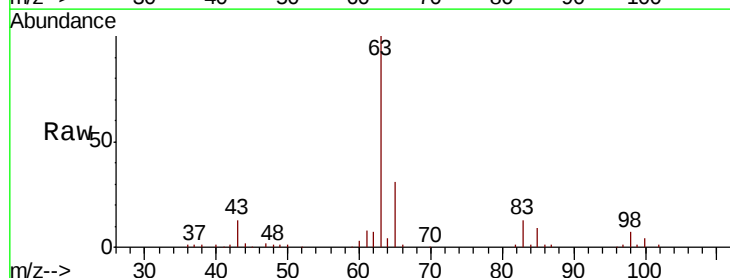
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

Tot Ion: 43 Resp: 1401157
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 20.389 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 63 Resp: 280010
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 84.988 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

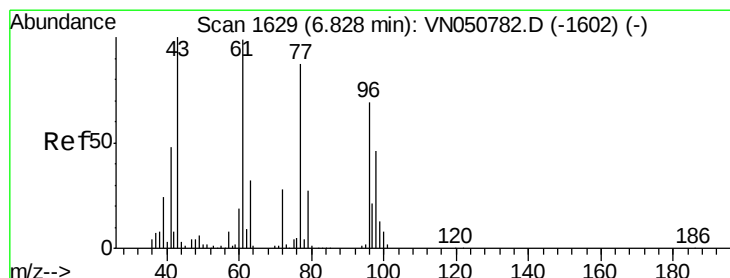
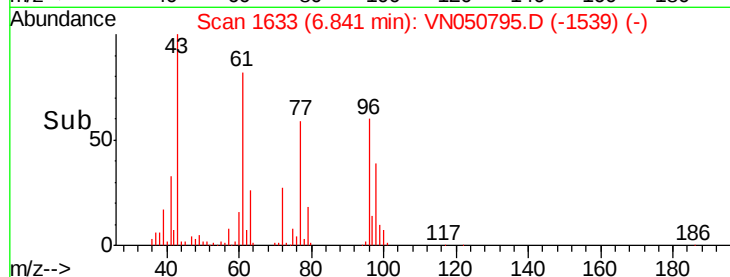
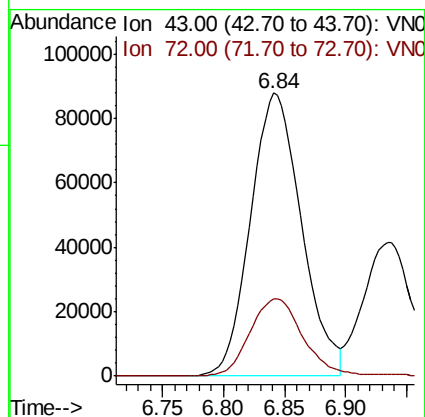
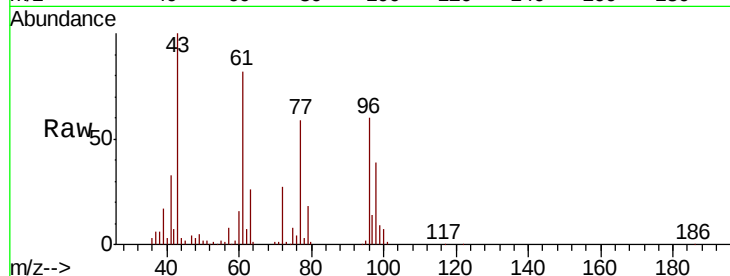
VN0821WBS02

Tot Ion: 43 Resp: 252880

Ion Ratio Lower Upper

43 100

72 27.2 22.3 33.5



#26

2,2-Dichloropropane

Concen: 17.582 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050795.D

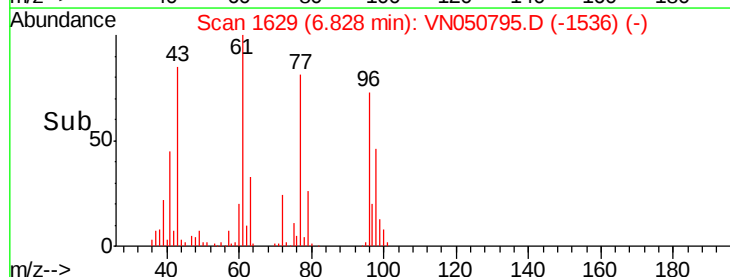
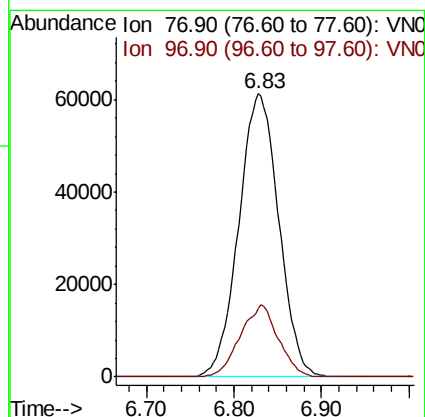
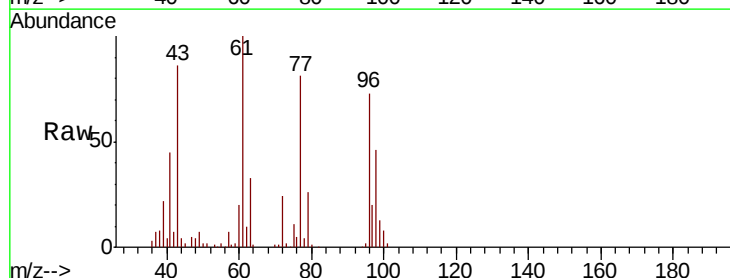
Acq: 21 Aug 2018 21:22

Tgt Ion: 77 Resp: 194023

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.488 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

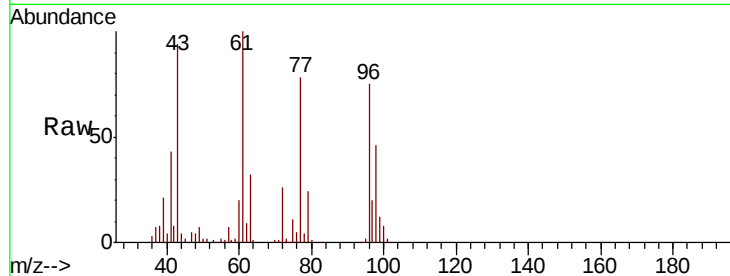
Tot Ion: 96 Resp: 164563

Ion Ratio Lower Upper

96 100

61 139.9 0.0 283.4

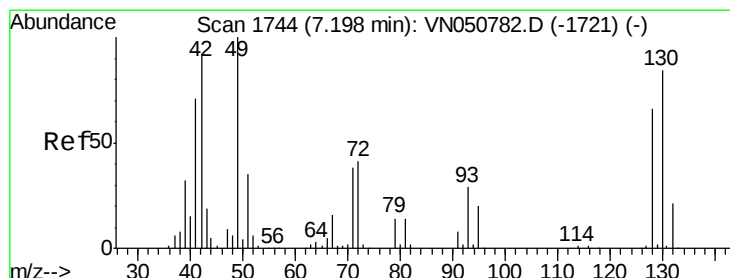
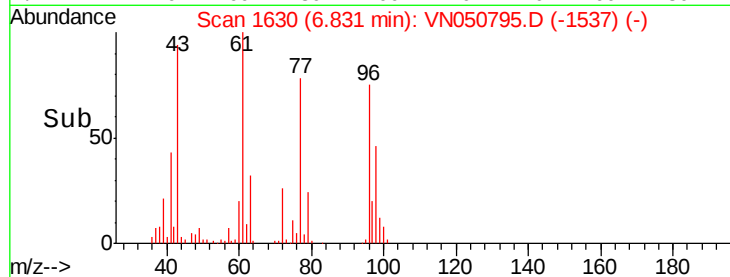
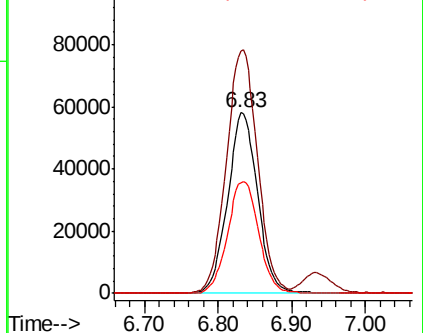
98 64.3 0.0 129.8



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



#28

Bromochloromethane

Concen: 20.530 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

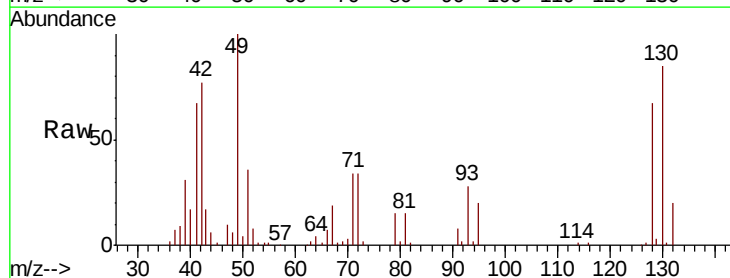
Tgt Ion: 49 Resp: 119802

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

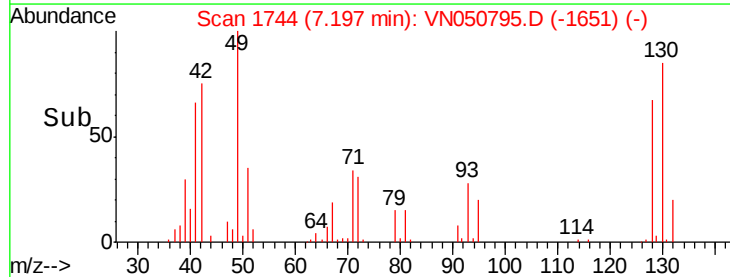
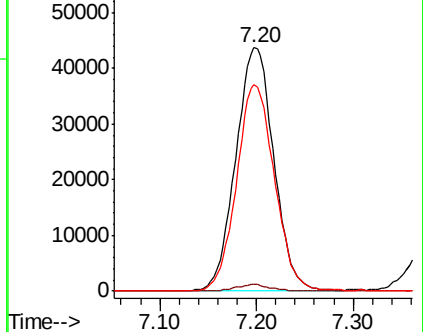
130 84.4 67.1 100.7

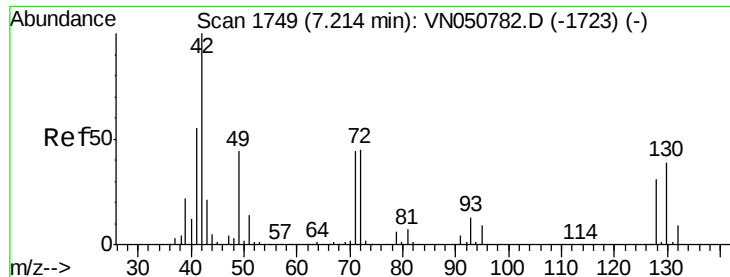


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.056 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

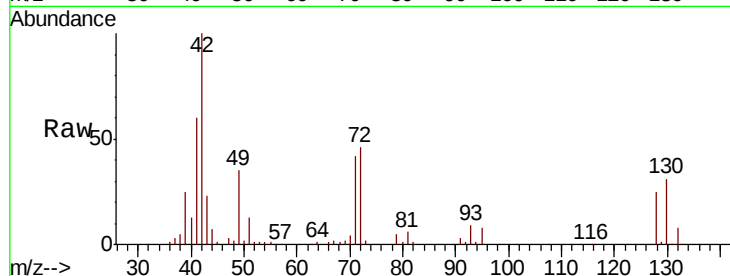
Tot Ion: 42 Resp: 170693

Ion Ratio Lower Upper

42 100

72 44.7 35.5 53.3

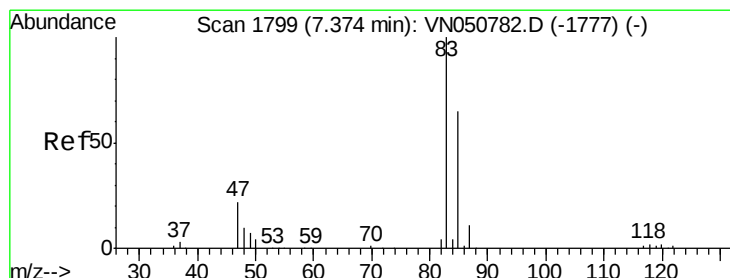
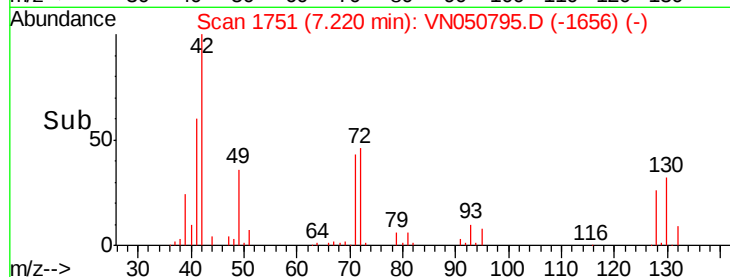
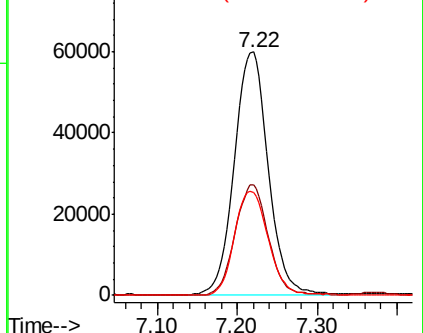
71 42.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.559 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050795.D

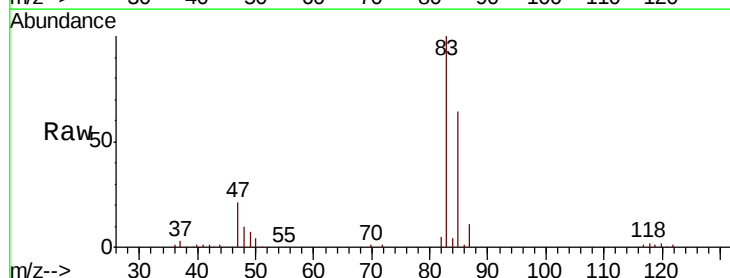
Acq: 21 Aug 2018 21:22

Tgt Ion: 83 Resp: 279582

Ion Ratio Lower Upper

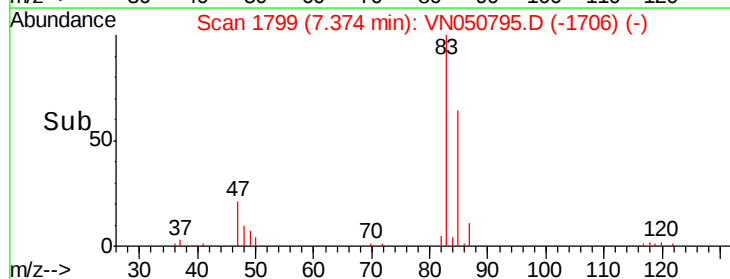
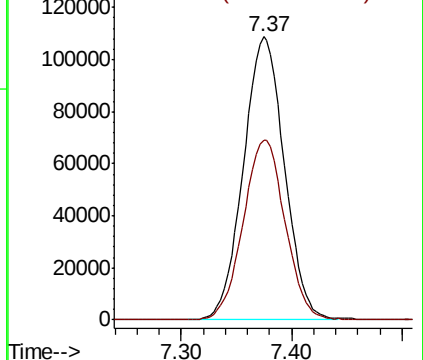
83 100

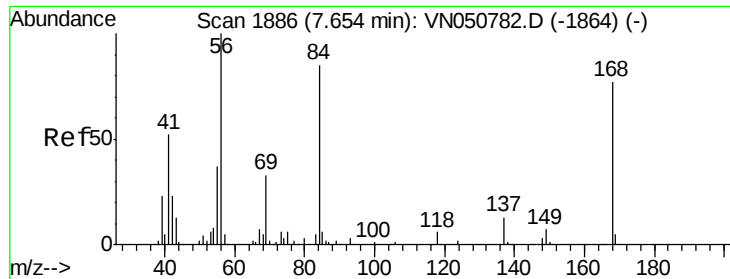
85 63.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.978 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS02

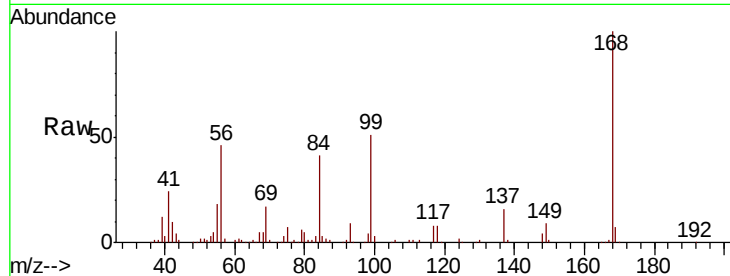
Tot Ion: 56 Resp: 245863

Ion Ratio Lower Upper

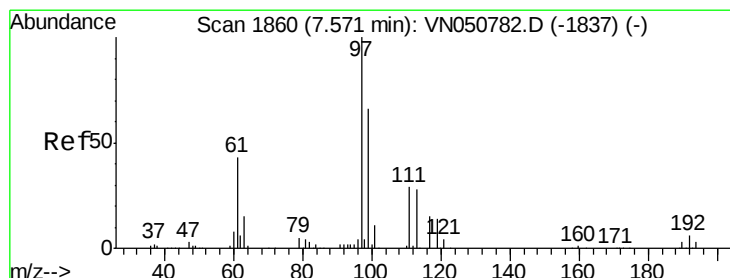
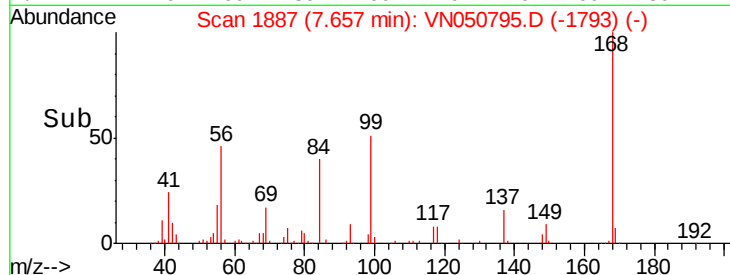
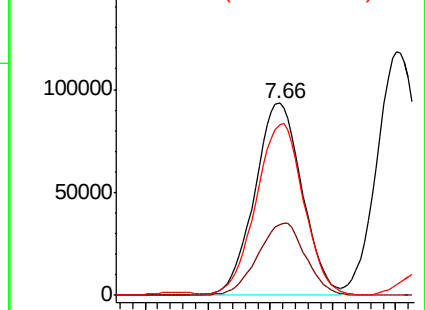
56 100

69 36.9 26.2 39.4

84 87.8 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.363 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

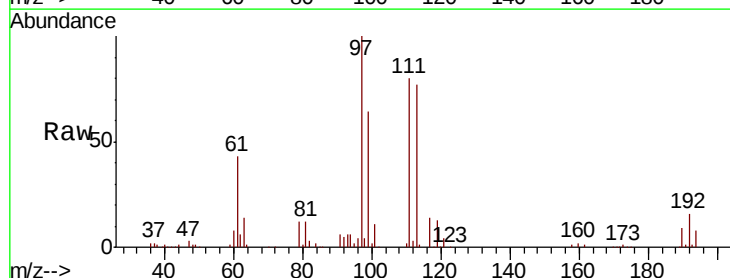
Tgt Ion: 97 Resp: 237855

Ion Ratio Lower Upper

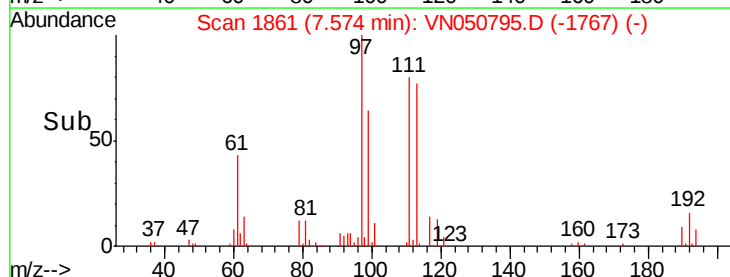
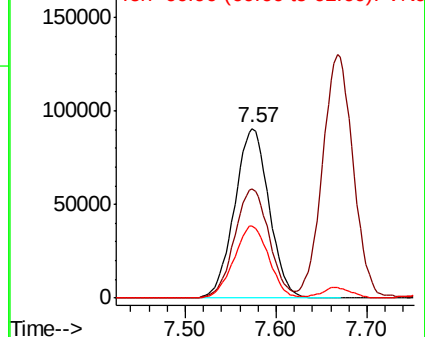
97 100

99 64.7 51.8 77.6

61 42.9 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 50.934 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

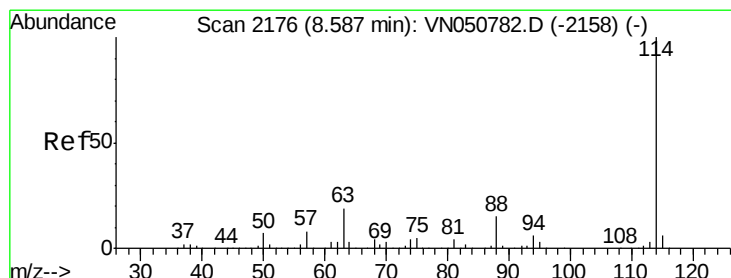
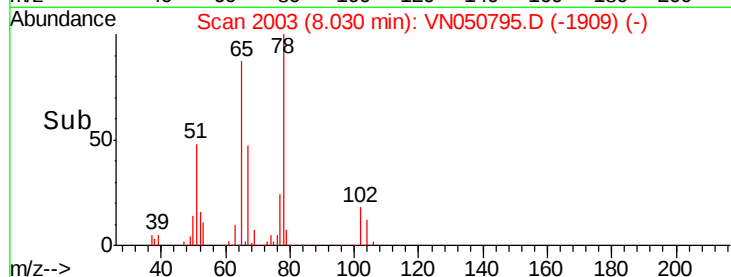
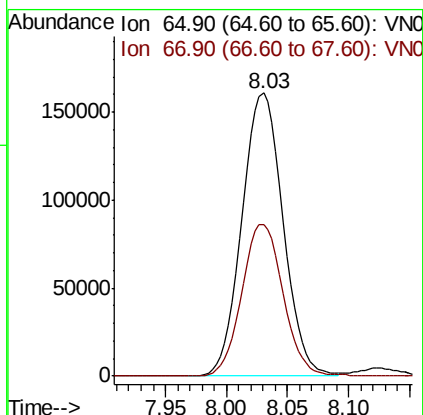
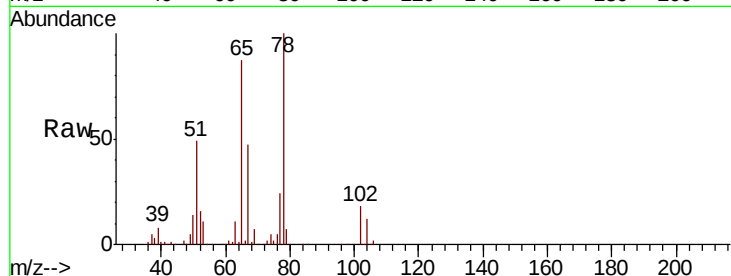
VN0821WBS02

Tot Ion: 65 Resp: 376070

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

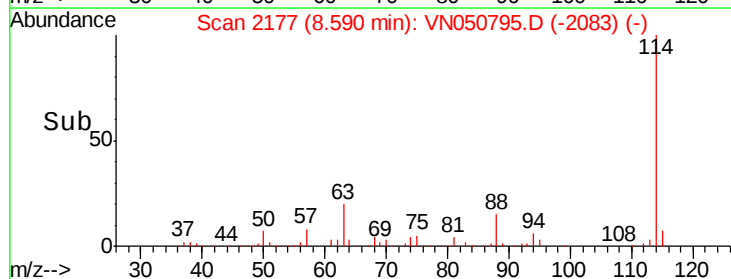
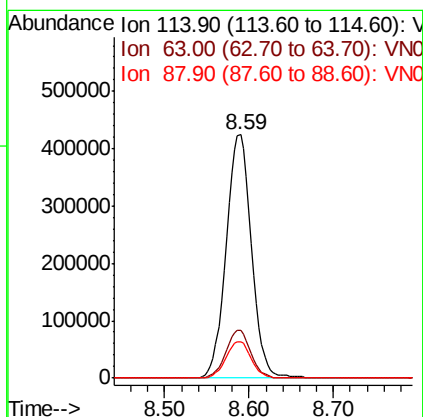
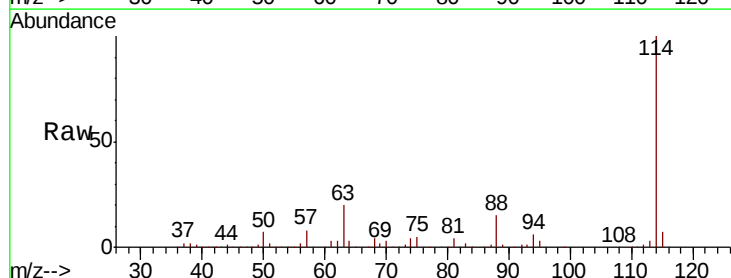
Tgt Ion: 114 Resp: 885236

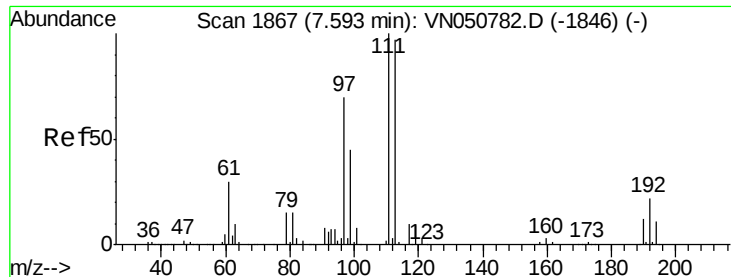
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.1 0.0 30.6

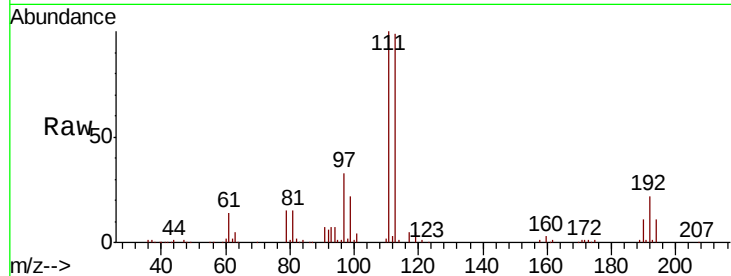




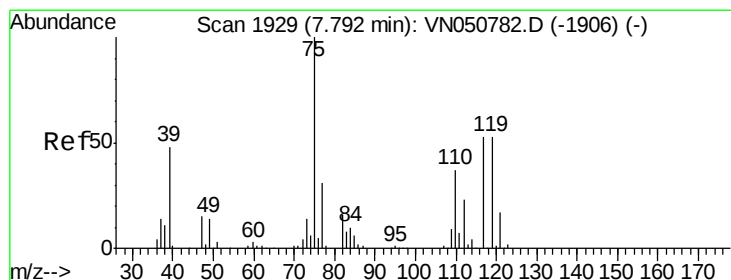
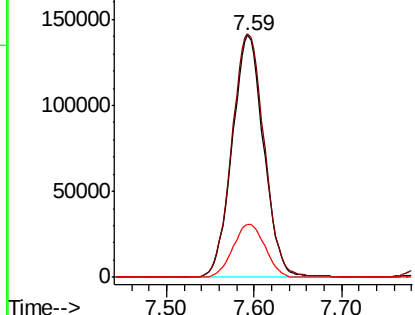
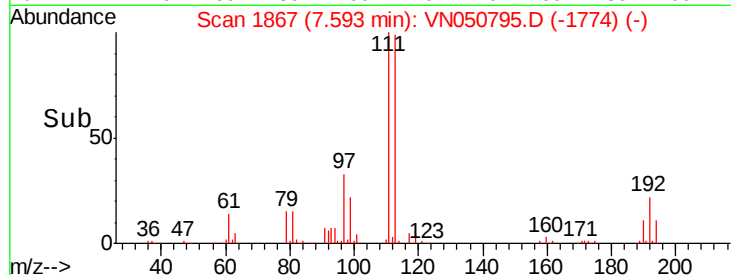
#35
 Dibromofluoromethane
 Concen: 50.042 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	22.6	18.0	27.0

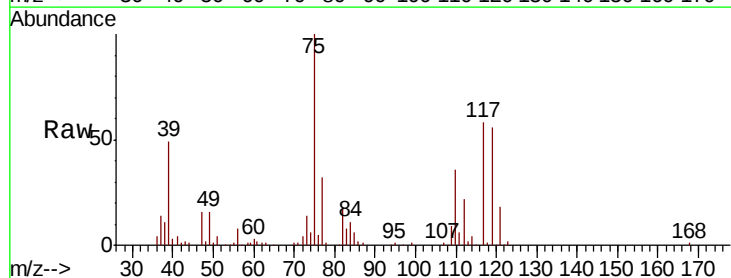


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

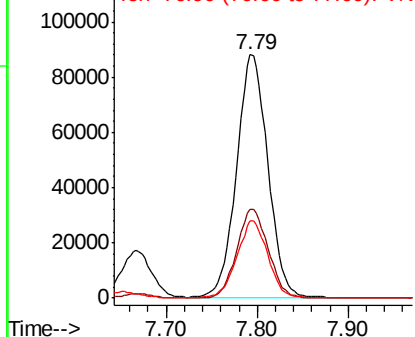
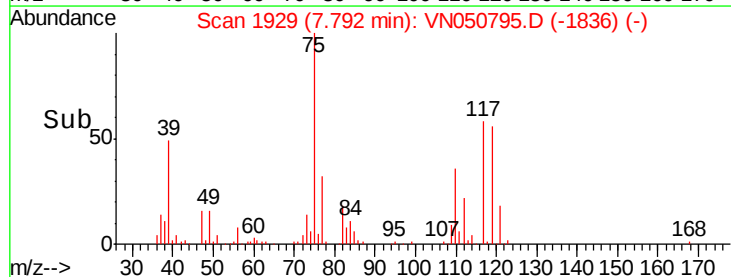


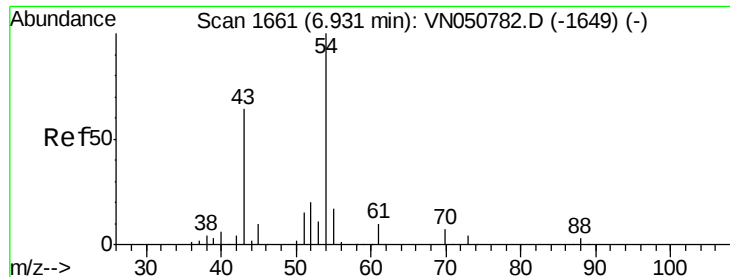
#36
 1,1-Dichloropropene
 Concen: 20.124 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	31.6	24.8	37.2



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

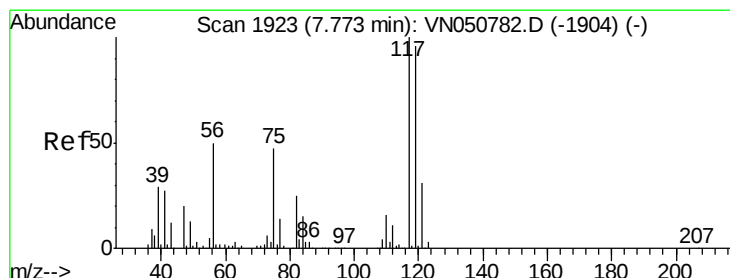
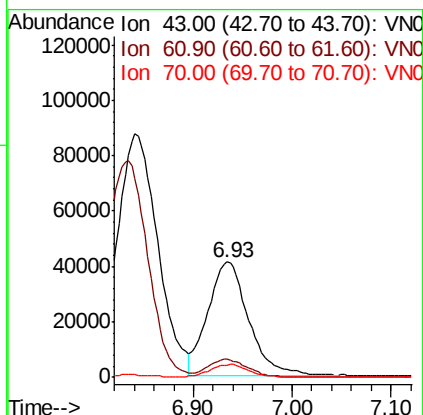
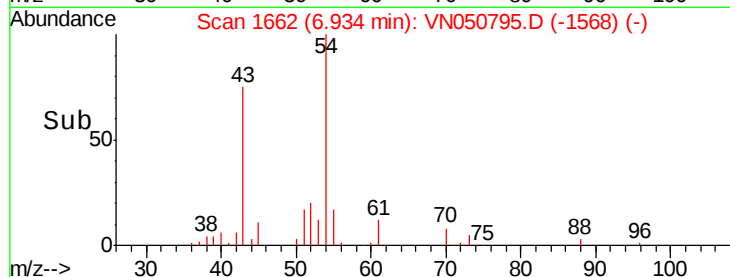
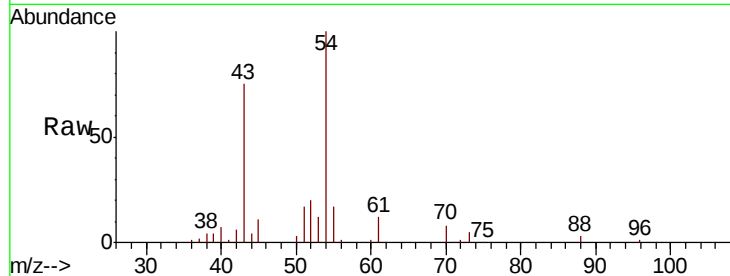




#37
Ethyl Acetate
Concen: 19.794 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

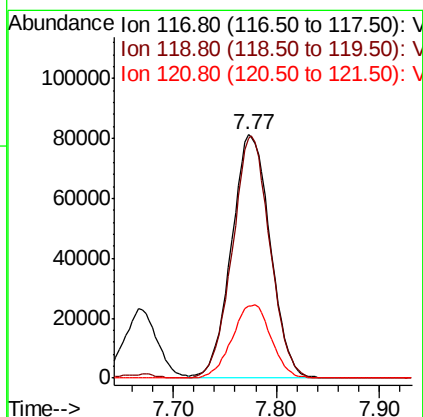
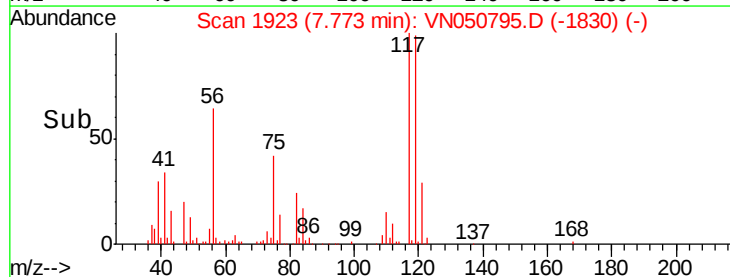
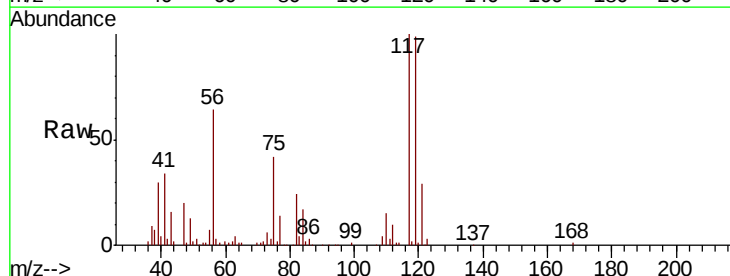
Instrument :
MSVOA_N
ClientSampleID :
VN0821WBS02

Tot Ion: 43 Resp: 118774
Ion Ratio Lower Upper
43 100
61 14.7 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.123 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion: 117 Resp: 212480
Ion Ratio Lower Upper
117 100
119 98.5 76.3 114.5
121 29.5 24.6 36.8

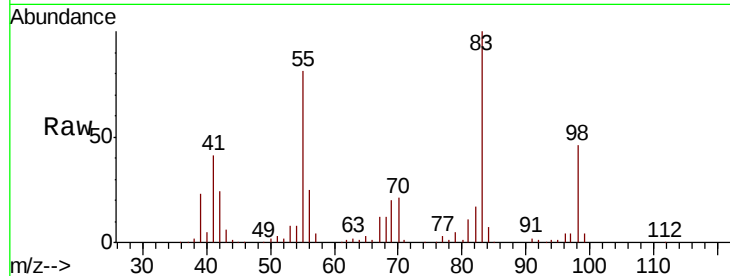




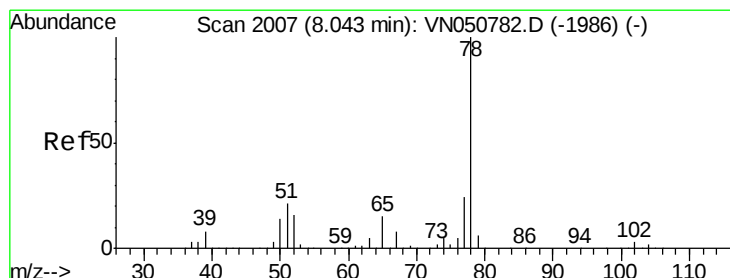
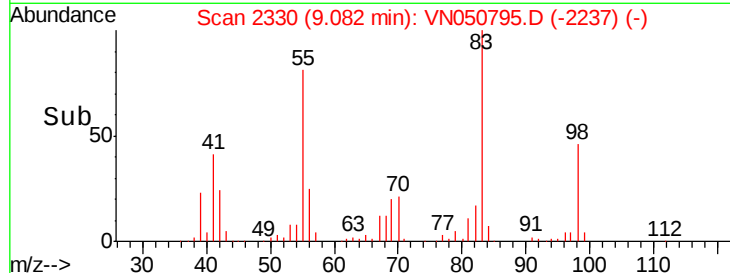
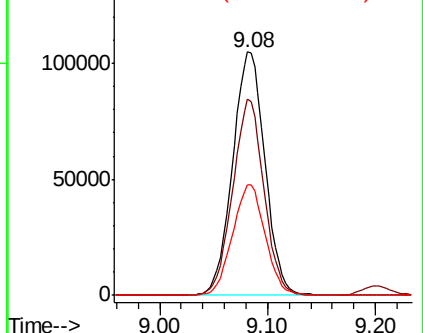
#39
Methvlcvclohexane
Concen: 19.387 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Instrument :
MSVOA_N
ClientSampled :
VN0821WBS02

Tot Ion: 83 Resp: 219099
Ion Ratio Lower Upper
83 100
55 80.7 61.0 91.4
98 45.5 37.5 56.3

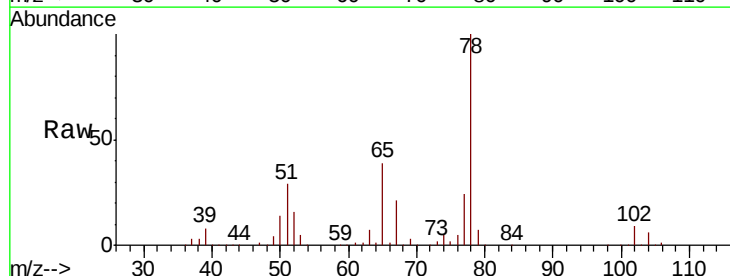


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

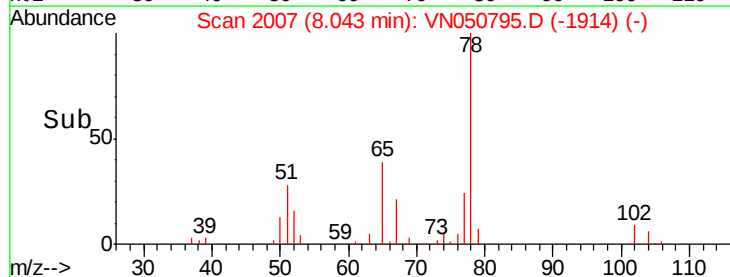
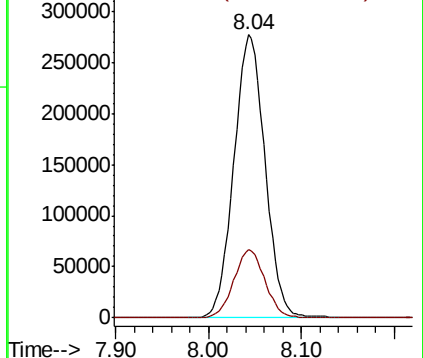


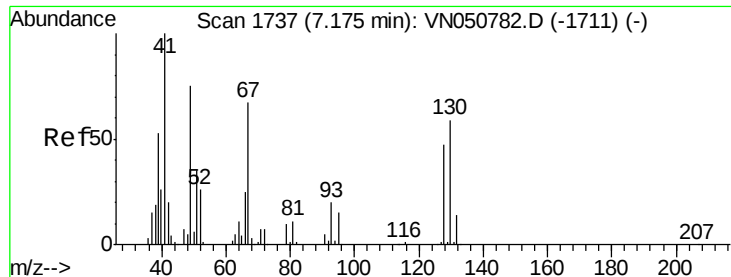
#40
Benzene
Concen: 20.508 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion: 78 Resp: 646009
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

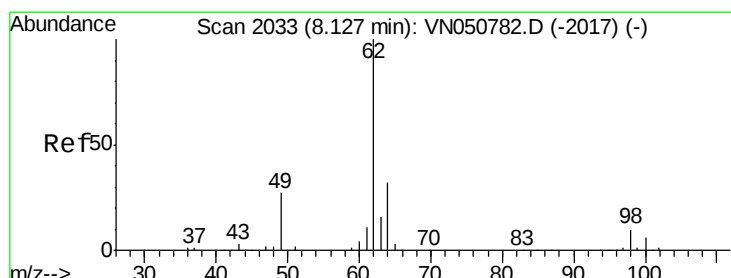
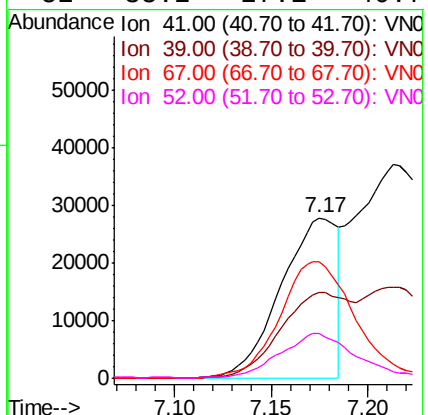
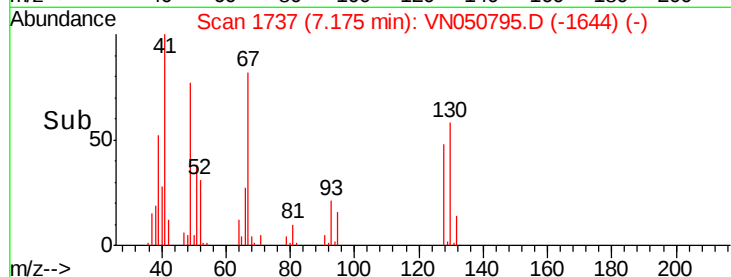
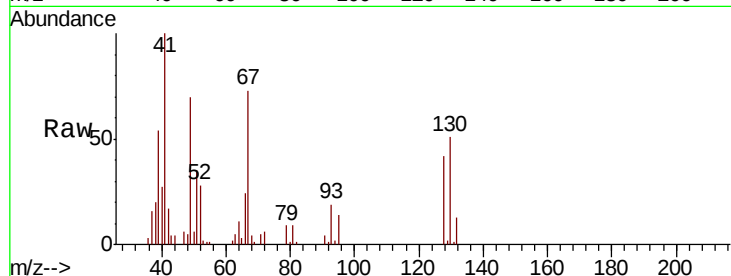




#41
Methacrylonitrile
Concen: 17.417 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

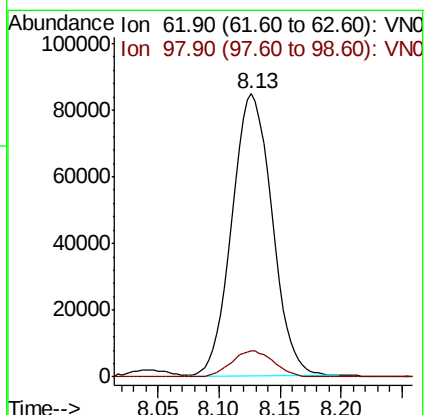
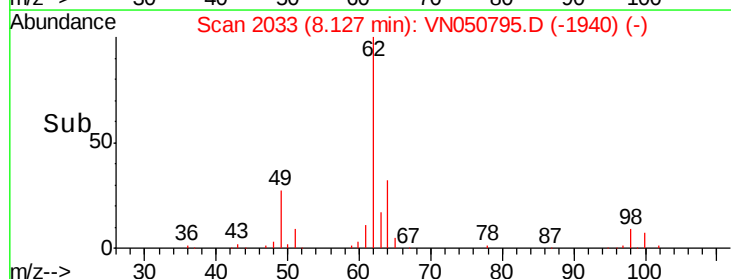
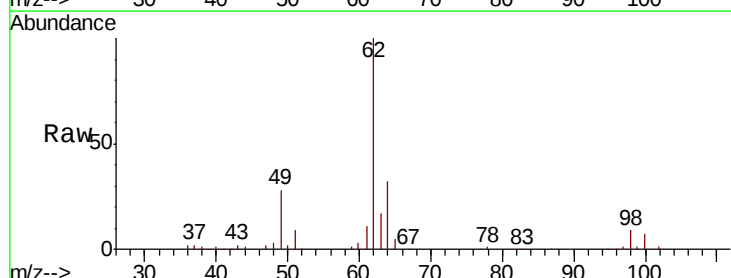
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS02

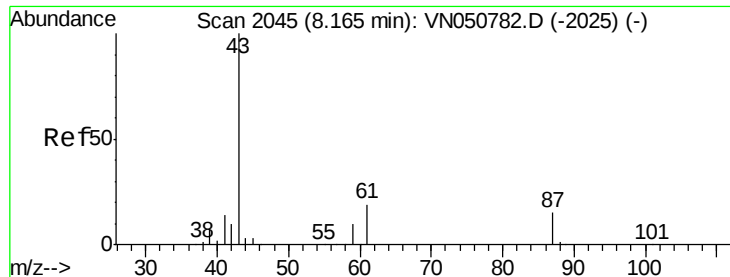
Tot Ion:	41	Resp:	56560
Ion	Ratio	Lower	Upper
41	100		
39	67.5	45.4	68.0
67	97.8	70.6	106.0
52	38.2	27.1	40.7



#42
1,2-Dichloroethane
Concen: 20.566 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion:	62	Resp:	193689
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 20.058 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

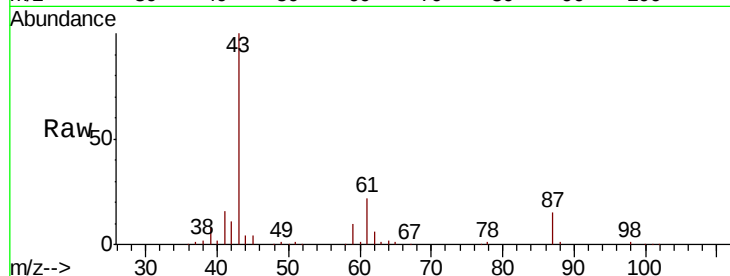
Tot Ion: 43 Resp: 206943

Ion Ratio Lower Upper

43 100

61 31.6 17.5 26.3#

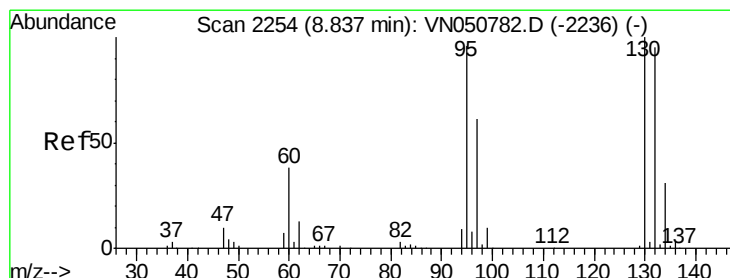
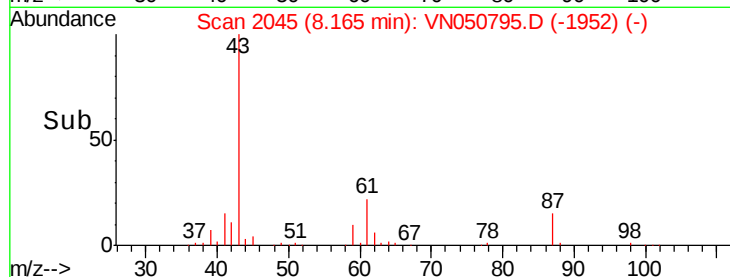
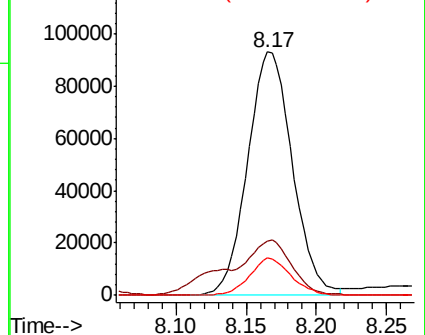
87 14.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 20.073 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050795.D

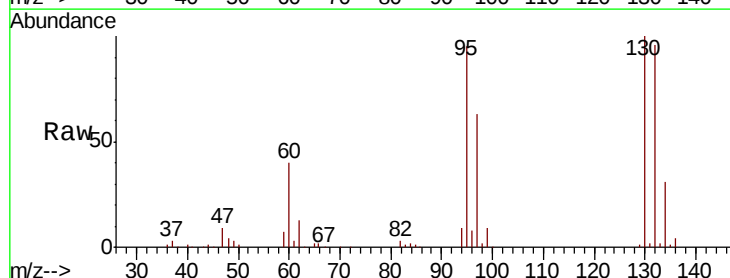
Acq: 21 Aug 2018 21:22

Tgt Ion:130 Resp: 166759

Ion Ratio Lower Upper

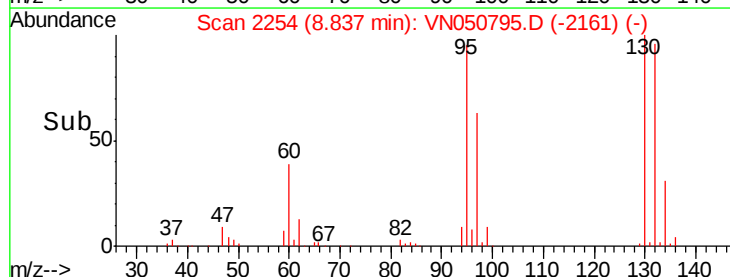
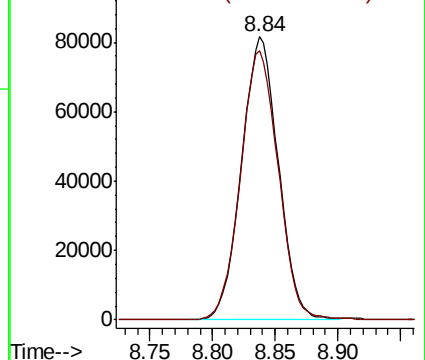
130 100

95 95.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

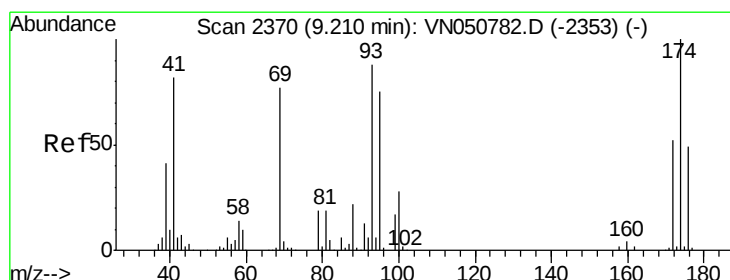
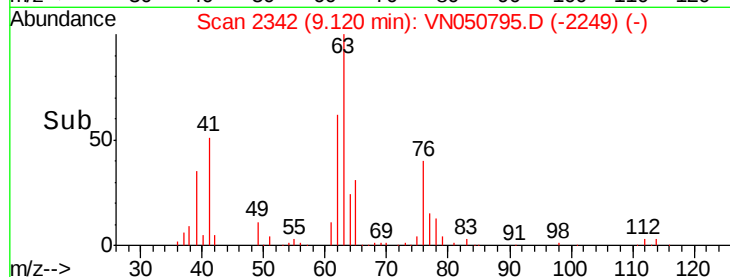
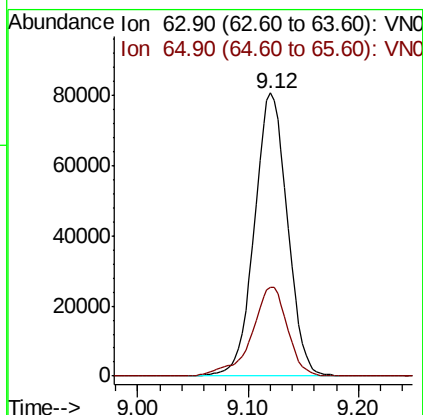
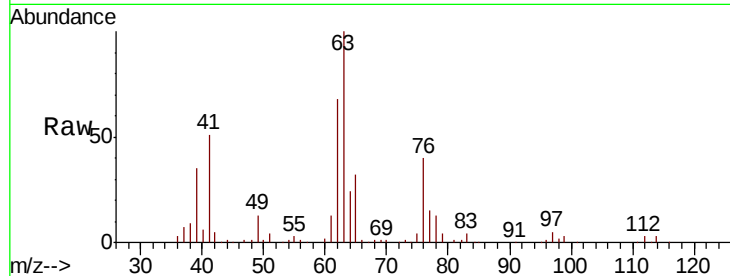




#45
 1,2-Dichloropropane
 Concen: 20.216 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

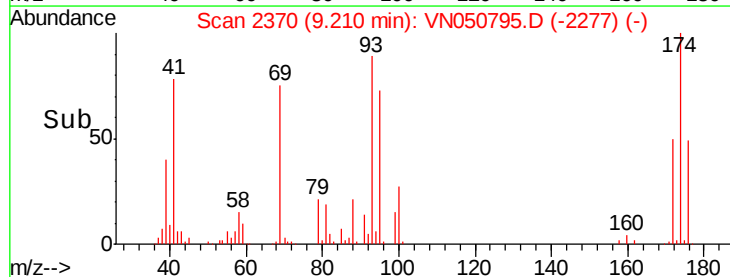
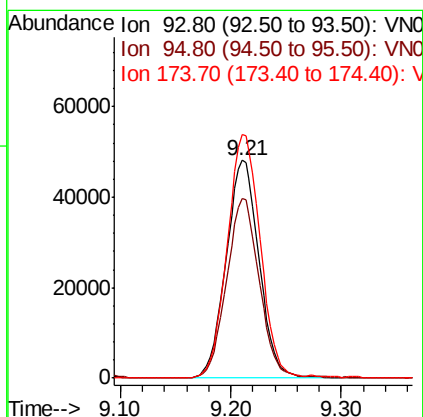
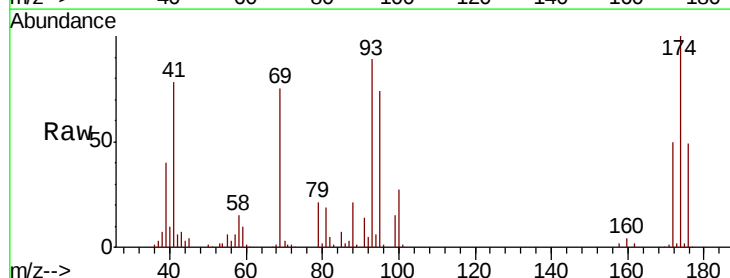
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

Tot Ion: 63 Resp: 167366
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 20.498 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 93 Resp: 99712
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 111.7 89.8 134.6





#47

Bromodichloromethane

Concen: 20.302 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampled :

VN0821WBS02

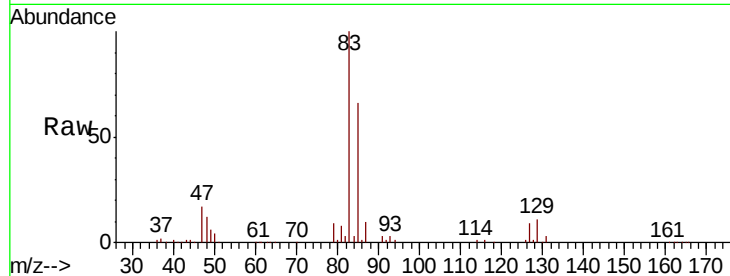
Tot Ion: 83 Resp: 206851

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8

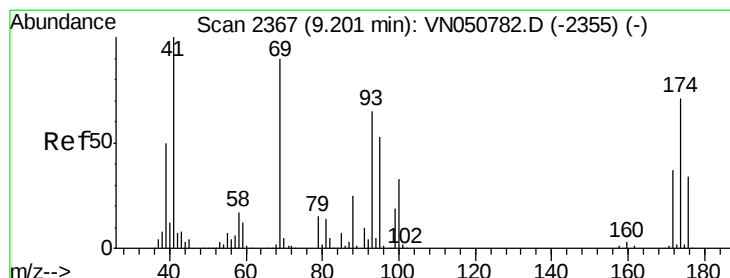
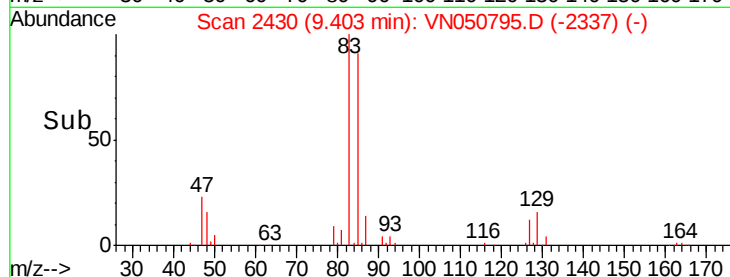
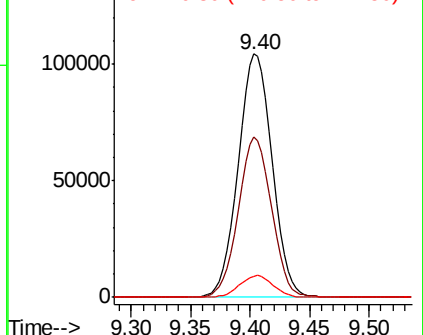
127 8.8 7.2 10.8



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: 19.861 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

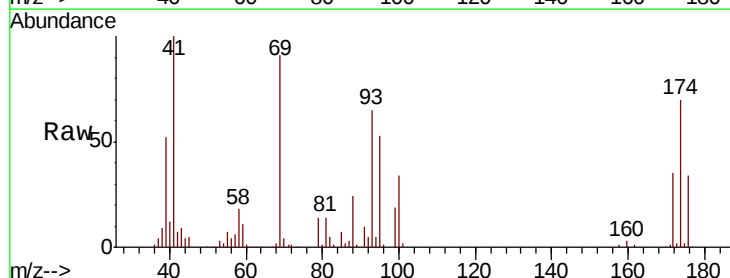
Tgt Ion: 41 Resp: 104432

Ion Ratio Lower Upper

41 100

69 93.1 74.7 112.1

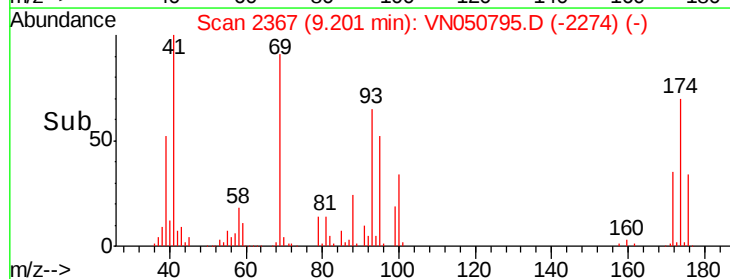
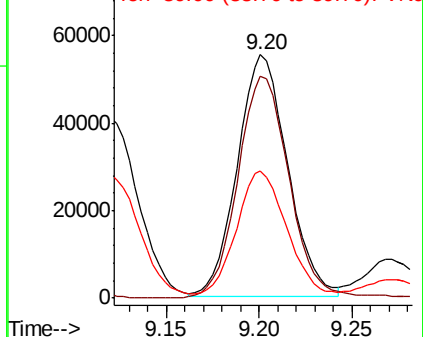
39 52.5 42.2 63.2

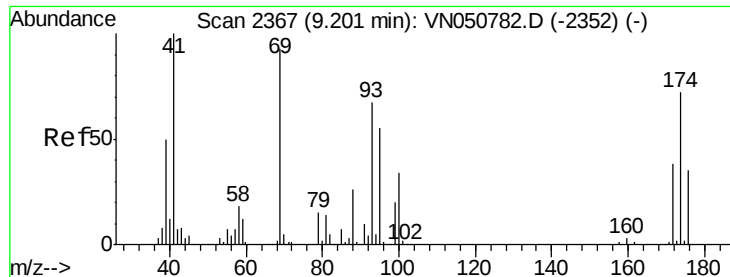


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 390.947 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

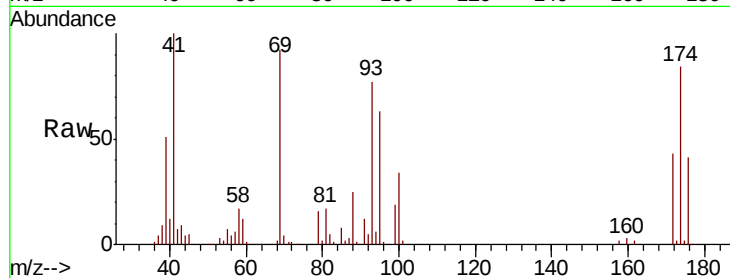
Tot Ion: 88 Resp: 28023

Ion Ratio Lower Upper

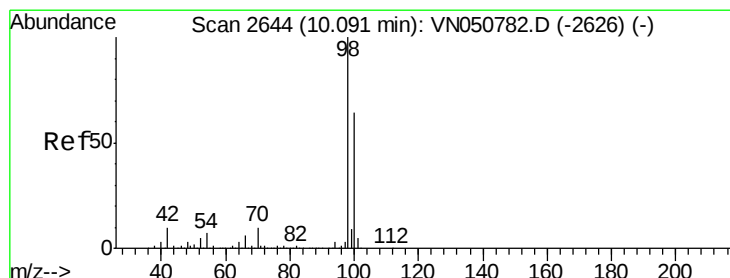
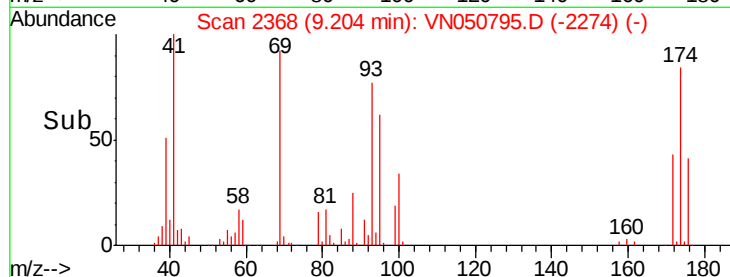
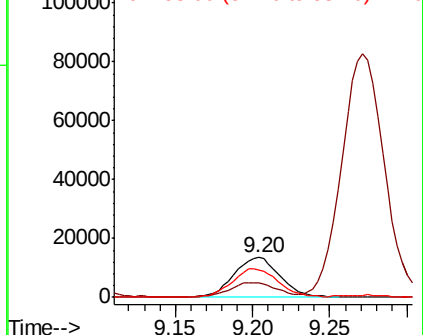
88 100

43 35.6 25.9 38.9

58 72.2 55.0 82.4



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: 50.150 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050795.D

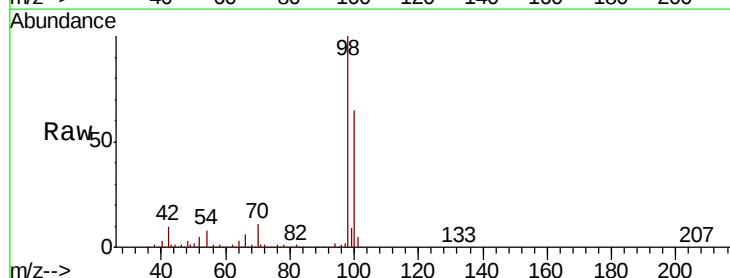
Acq: 21 Aug 2018 21:22

Tgt Ion: 98 Resp: 1320469

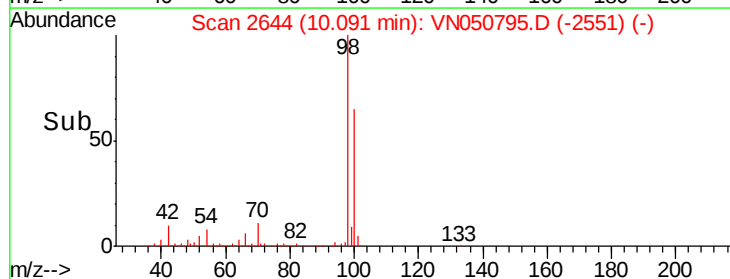
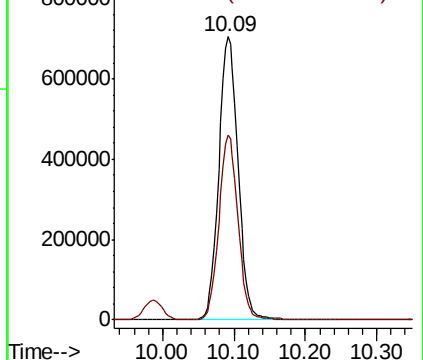
Ion Ratio Lower Upper

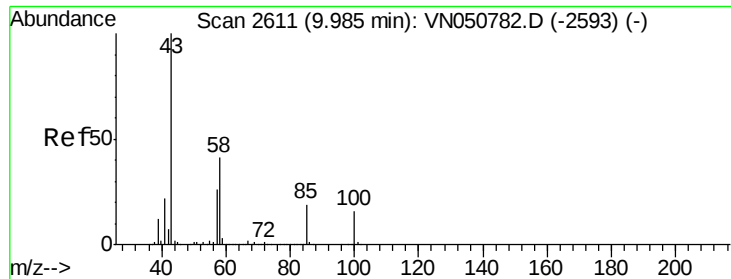
98 100

100 64.5 51.5 77.3



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

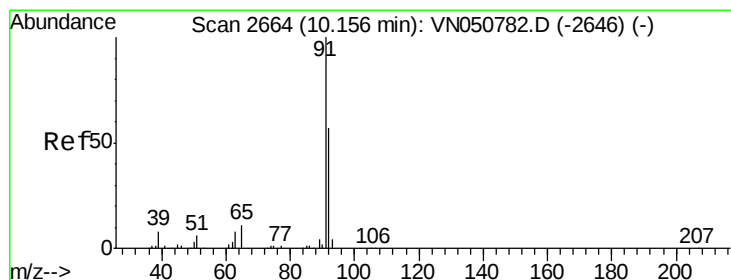
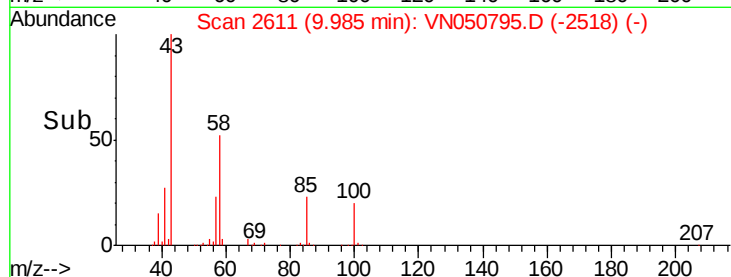
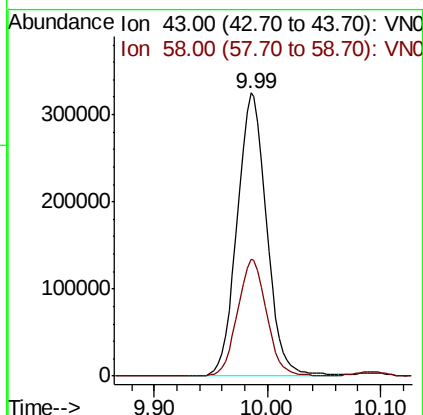
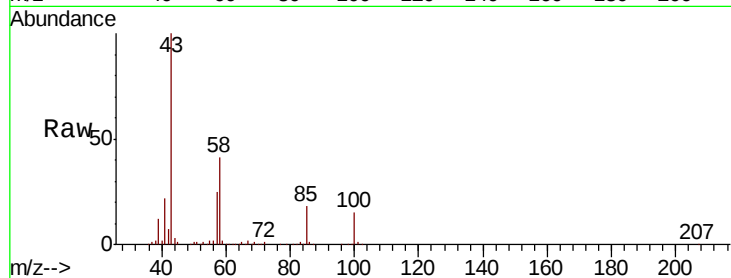




#51
4-Methyl-2-Pentanone
Concen: 95.789 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

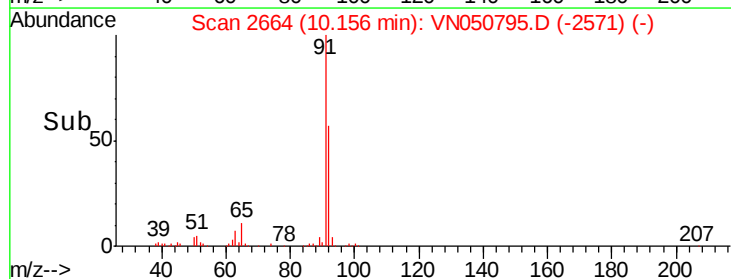
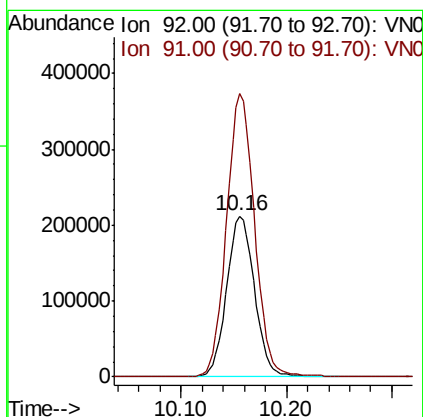
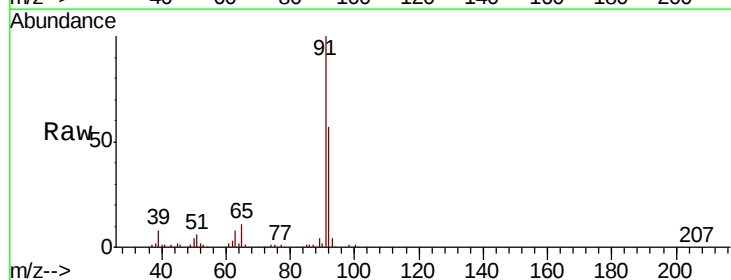
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS02

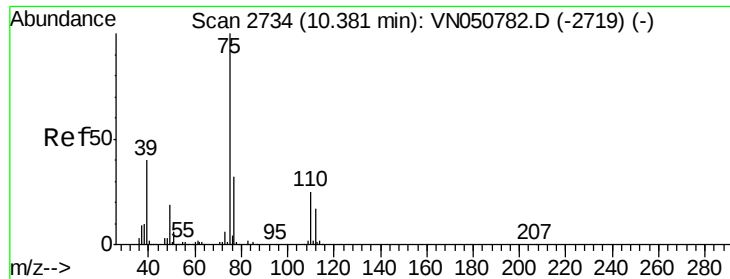
Tot Ion: 43 Resp: 589760
Ion Ratio Lower Upper
43 100
58 40.8 32.4 48.6



#52
Toluene
Concen: 20.844 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion: 92 Resp: 388949
Ion Ratio Lower Upper
92 100
91 177.1 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.051 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

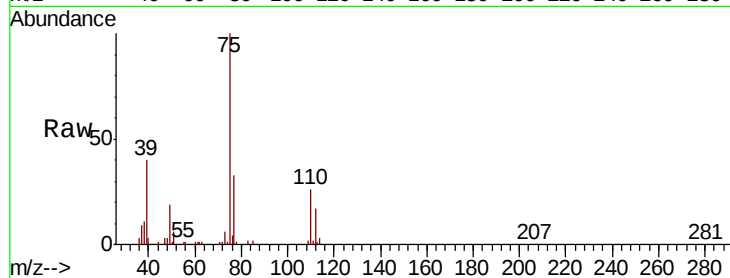
VN0821WBS02

Tot Ion: 75 Resp: 193198

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

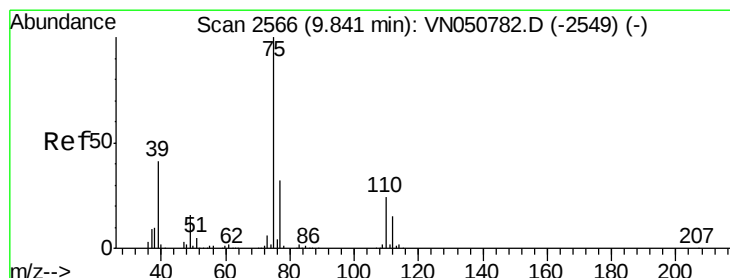
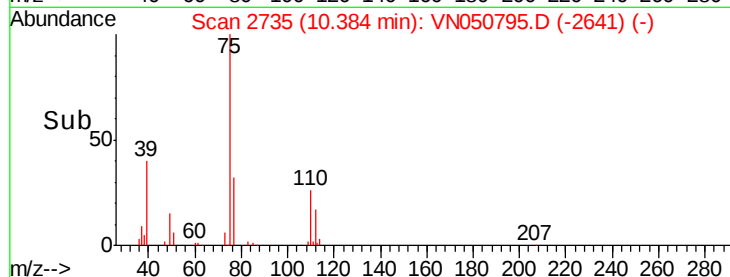
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.678 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

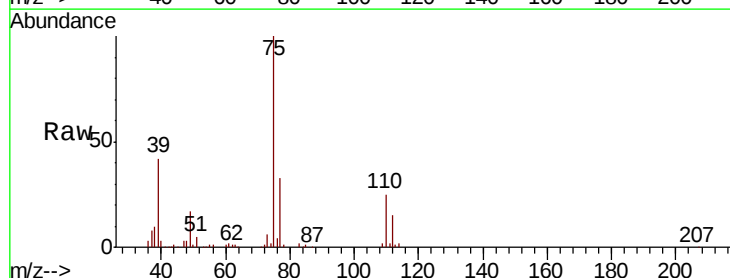
Tgt Ion: 75 Resp: 228524

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

39 41.6 33.0 49.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

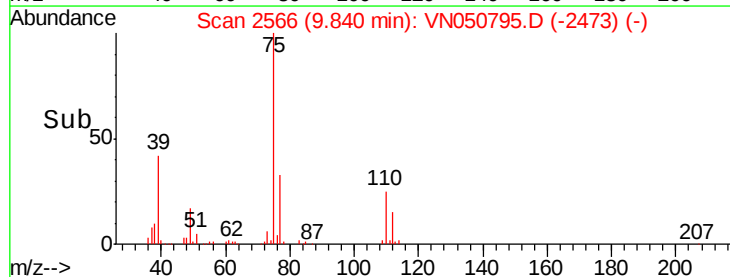
150000

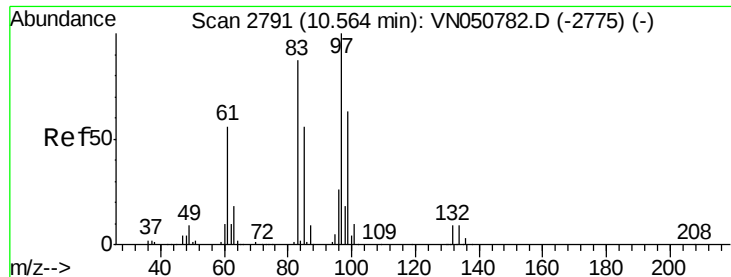
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.871 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

Tot Ion: 97 Resp: 144548

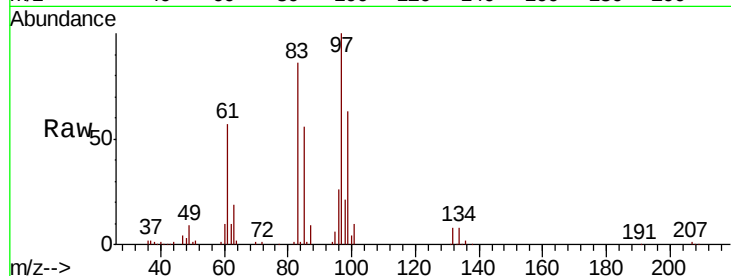
Ion Ratio Lower Upper

97 100

83 86.4 69.7 104.5

85 55.8 44.5 66.7

99 62.7 50.7 76.1

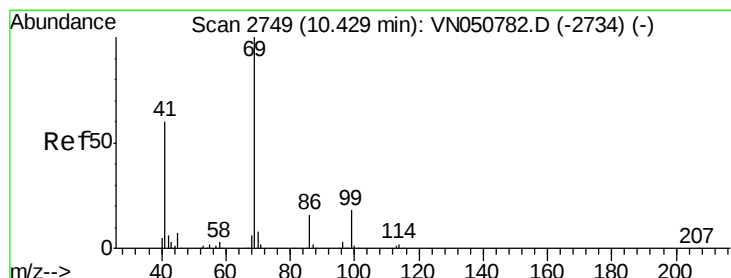
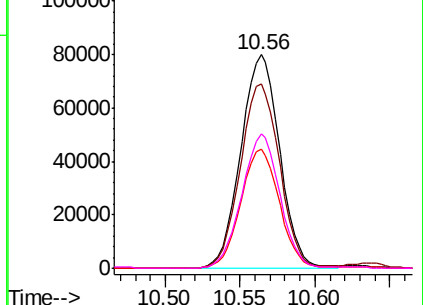
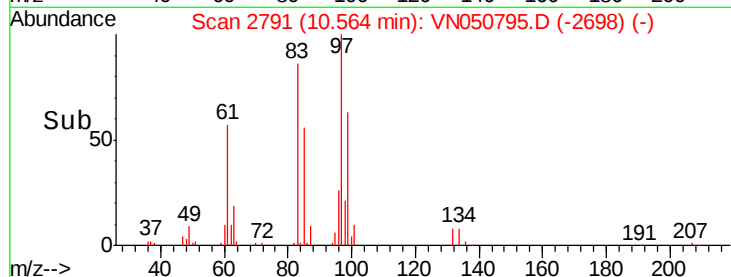


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 18.783 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

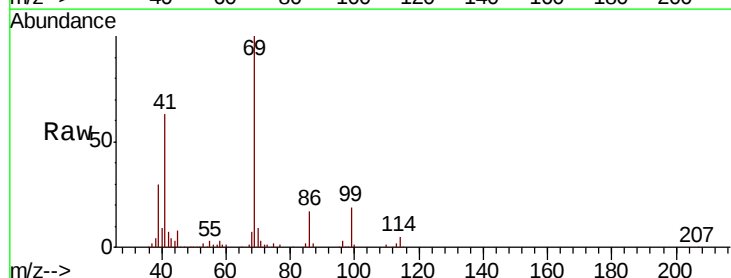
Tgt Ion: 69 Resp: 155361

Ion Ratio Lower Upper

69 100

41 60.9 48.3 72.5

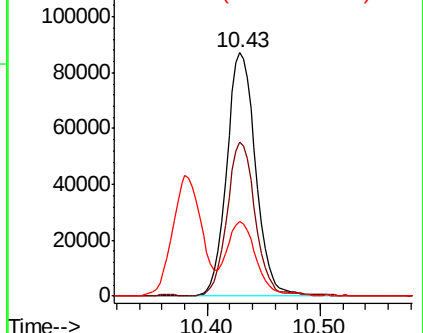
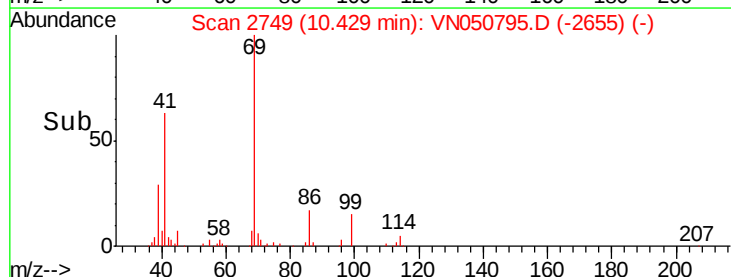
39 30.3 24.0 36.0



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

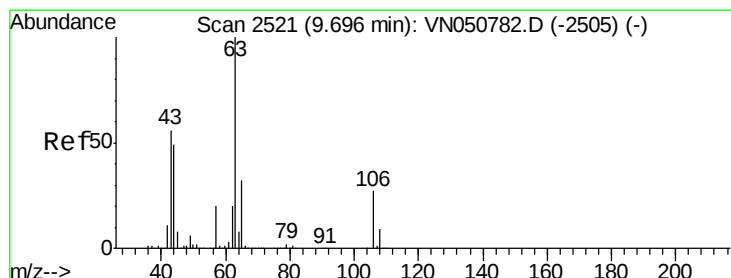
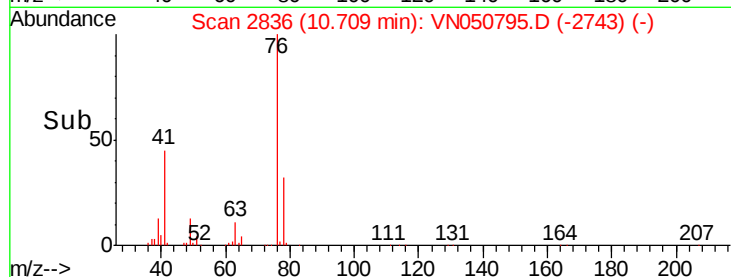
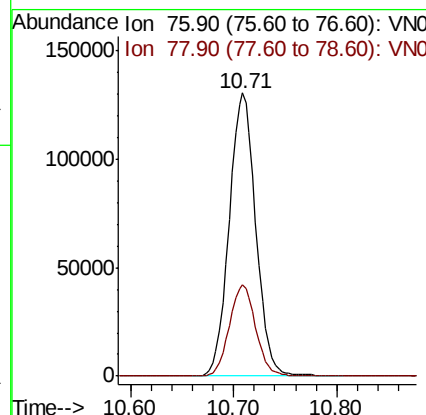
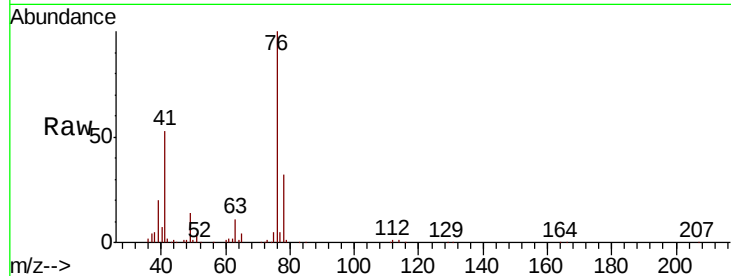




#57
 1,3-Dichloropropane
 Concen: 20.532 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

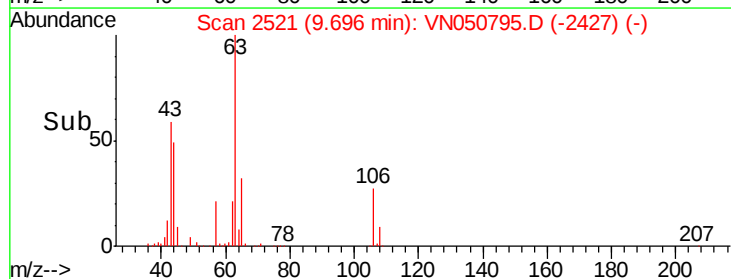
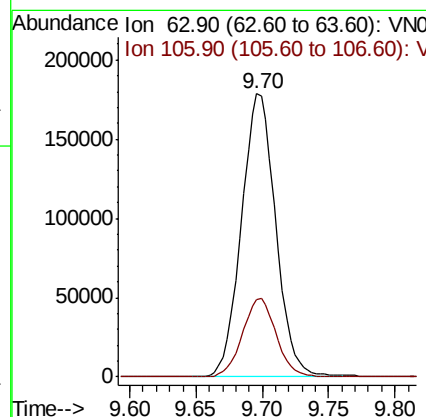
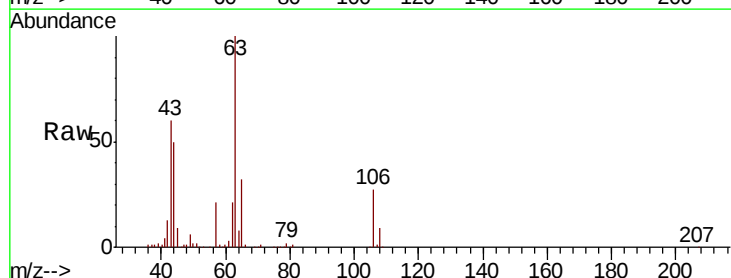
Instrument :
 MSVOA_N
 ClientSampled :
 VN0821WBS02

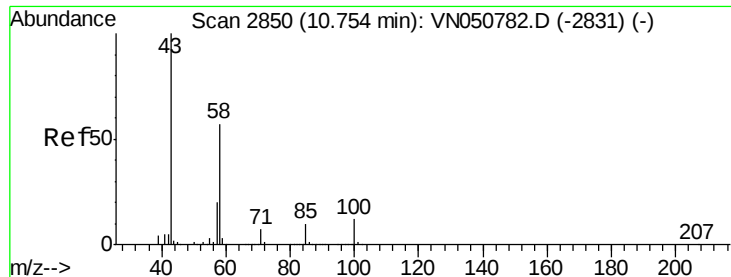
Tot Ion: 76 Resp: 234713
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.879 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 63 Resp: 321000
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.9 32.9





#59

2-Hexanone

Concen: 91.235 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

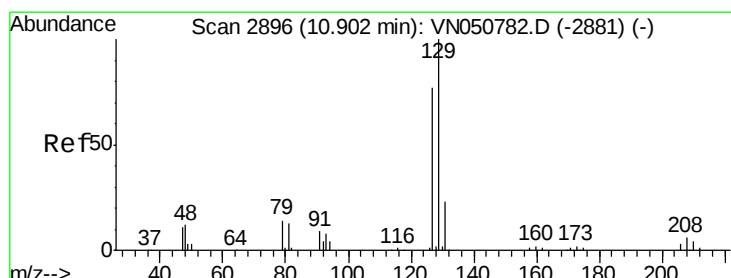
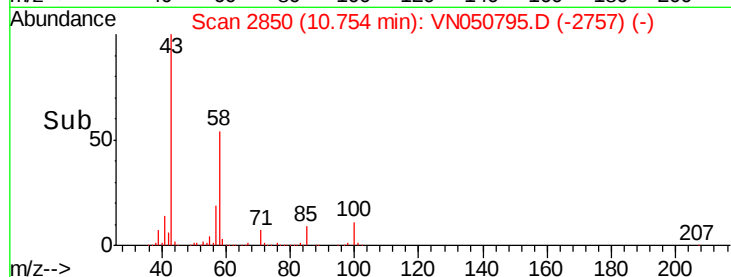
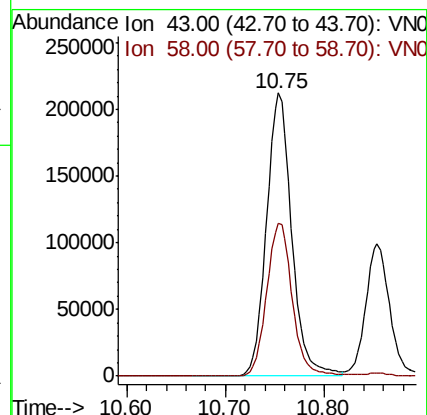
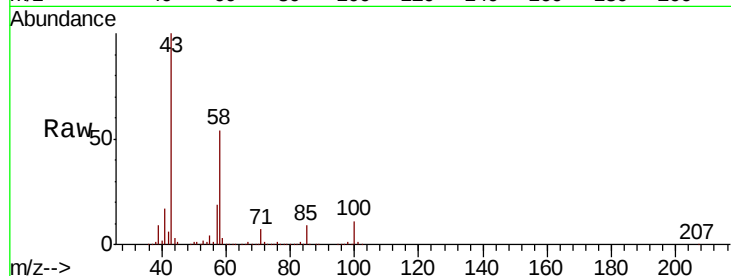
VN0821WBS02

Tot Ion: 43 Resp: 373950

Ion Ratio Lower Upper

43 100

58 54.9 28.3 85.0



#60

Dibromochloromethane

Concen: 20.328 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050795.D

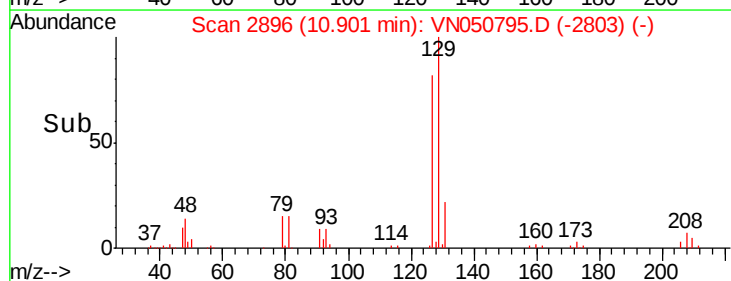
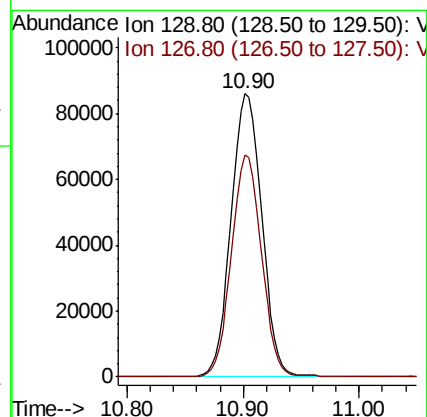
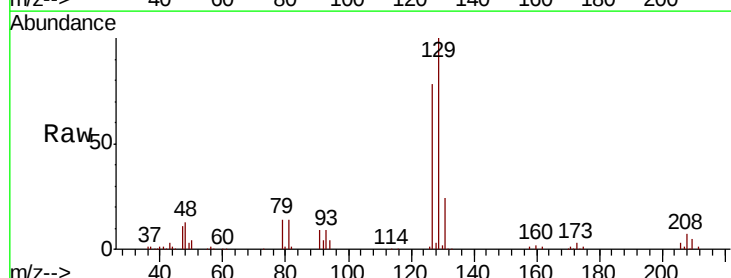
Acq: 21 Aug 2018 21:22

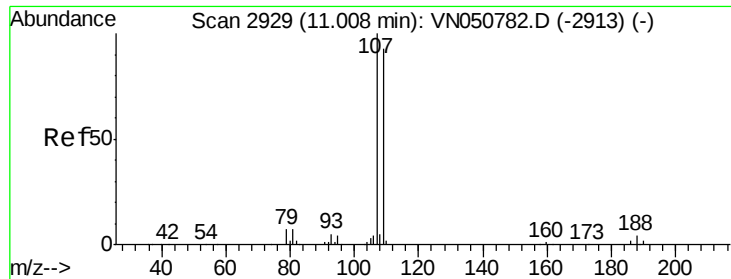
Tgt Ion: 129 Resp: 157639

Ion Ratio Lower Upper

129 100

127 76.5 38.3 114.9

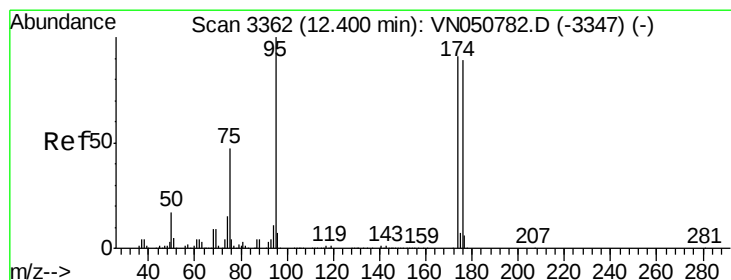
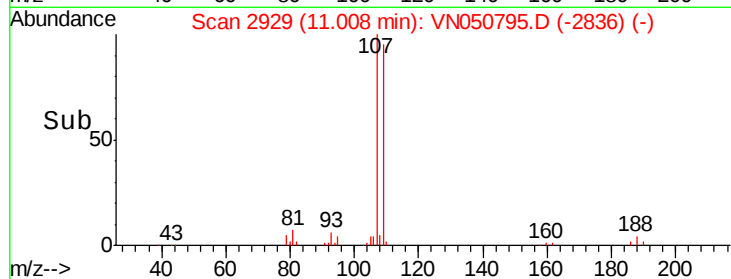
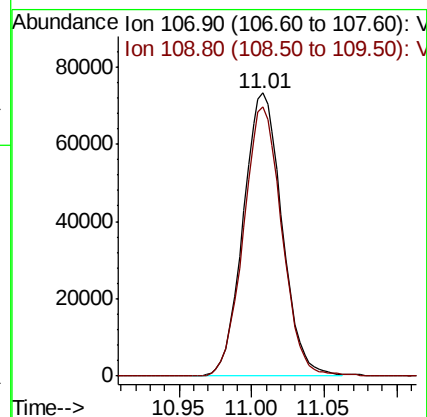
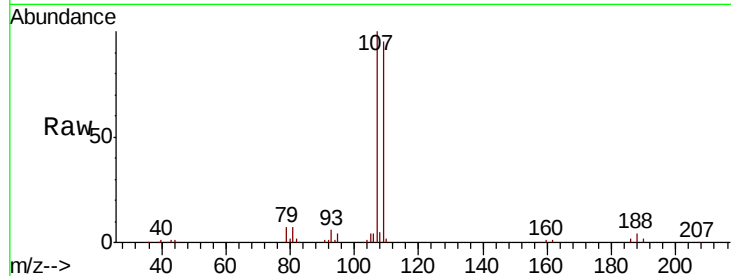




#61
 1,2-Dibromoethane
 Concen: 20.318 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

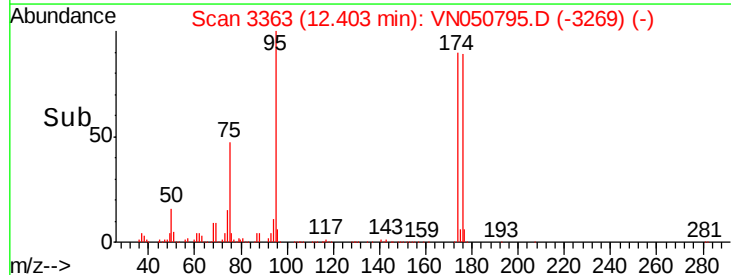
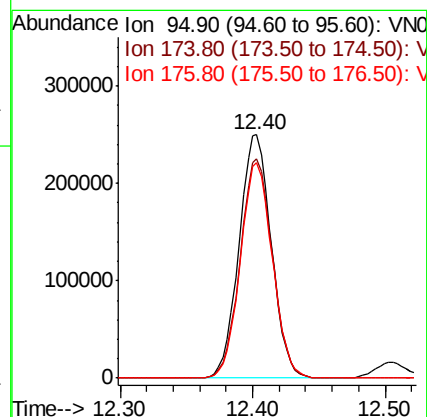
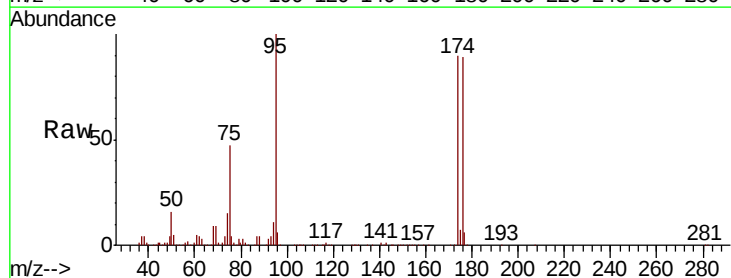
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

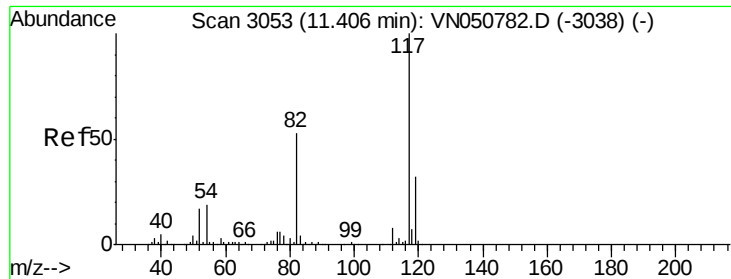
Tot Ion:107 Resp: 136074
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.228 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 95 Resp: 421975
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 183.0
 176 87.9 0.0 178.8

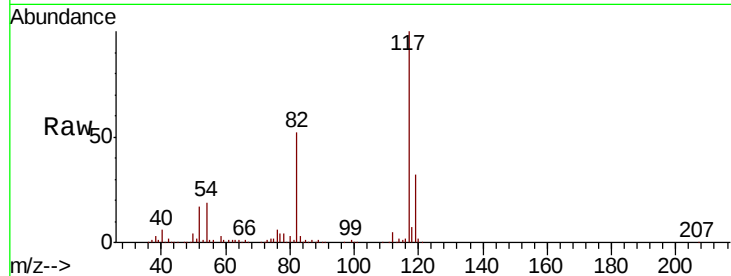




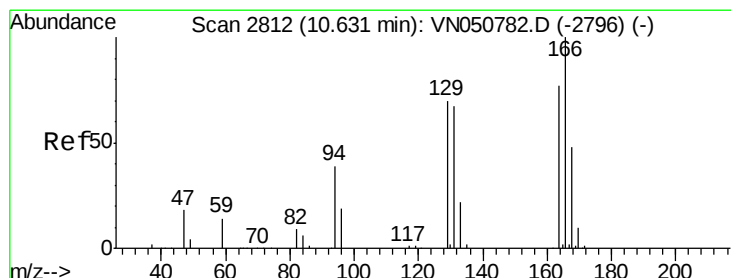
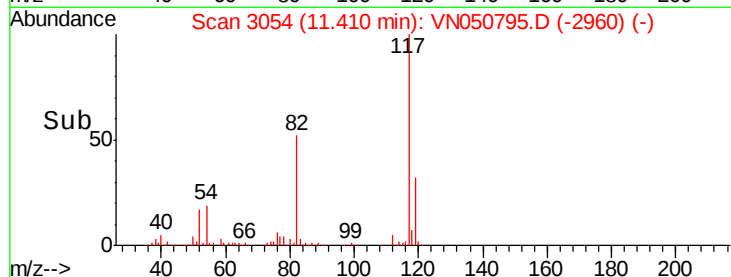
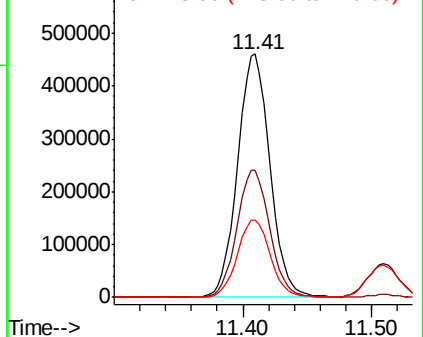
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS02

Tot Ion:117 Resp: 805512
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 32.0 25.8 38.6

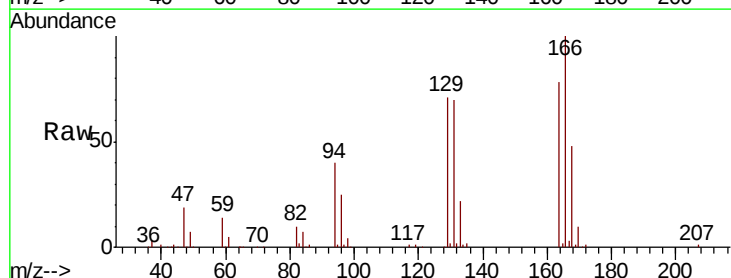


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

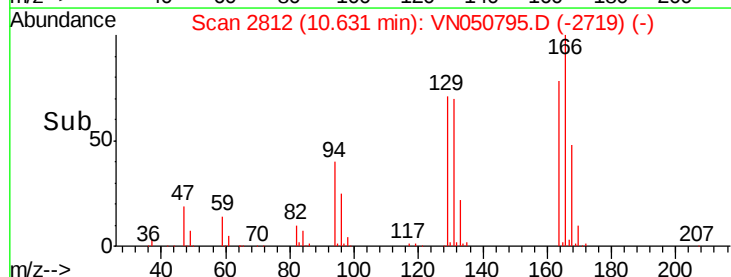
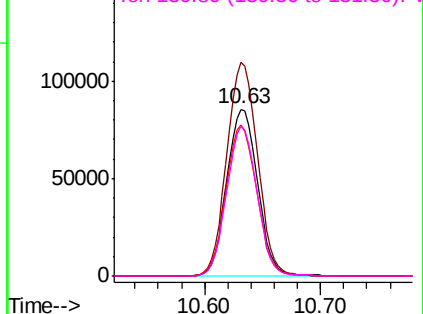


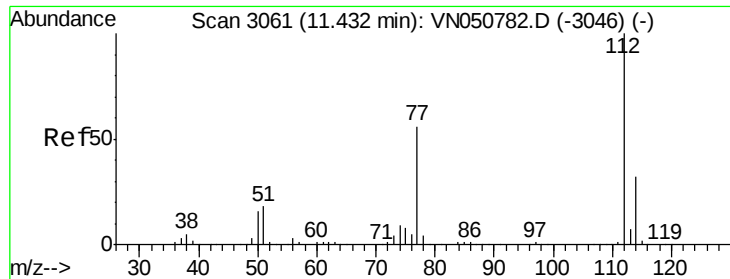
#64
Tetrachloroethene
Concen: 20.585 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion:164 Resp: 157493
Ion Ratio Lower Upper
164 100
166 127.9 103.5 155.3
129 90.7 72.7 109.1
131 89.7 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

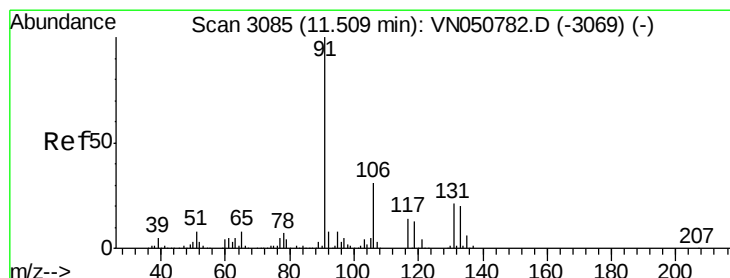
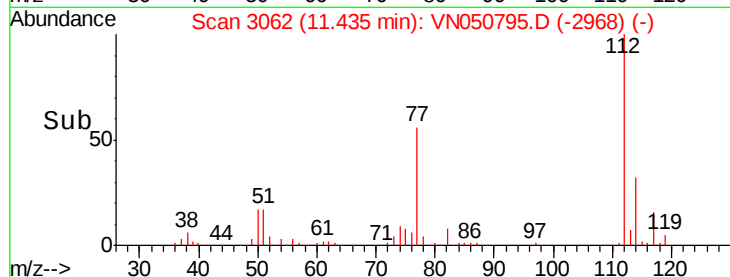
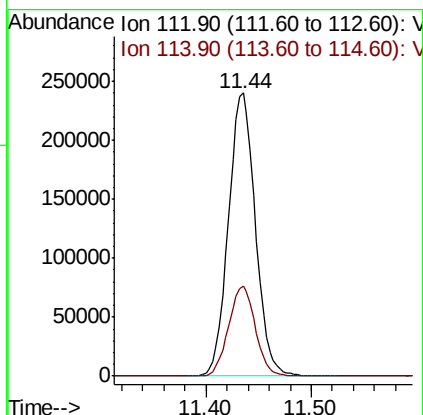
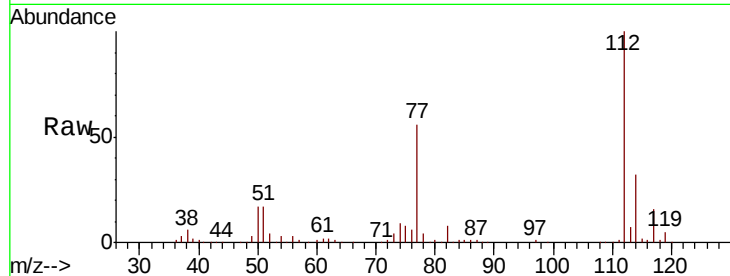




#65
Chlorobenzene
Concen: 20.125 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

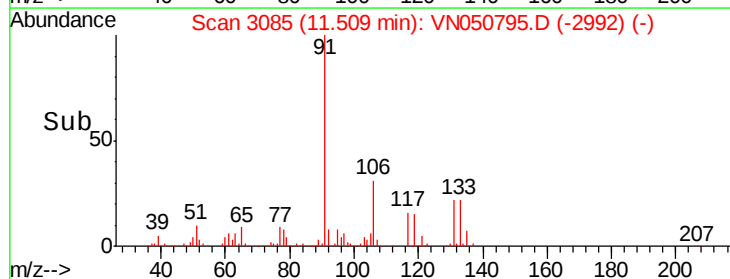
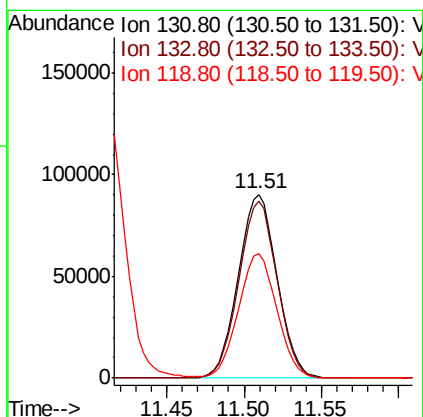
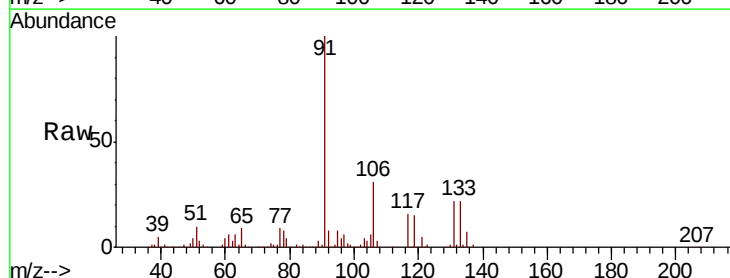
Instrument :
MSVOA_N
ClientSampled :
VN0821WBS02

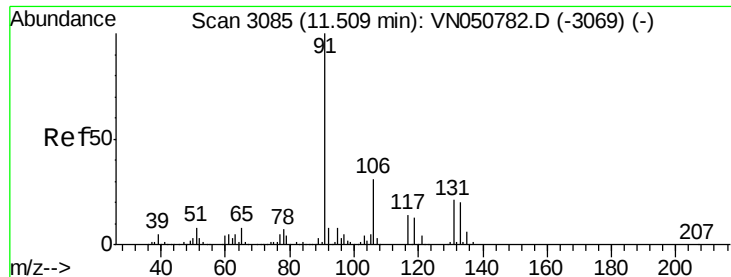
Tot Ion:112 Resp: 423722
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.431 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion:131 Resp: 157392
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 67.2 32.8 98.4





#67

Ethyl Benzene

Concen: 20.260 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

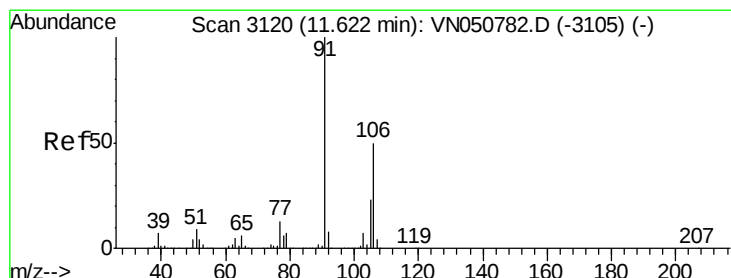
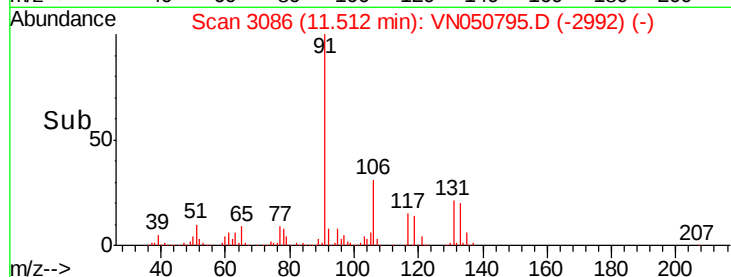
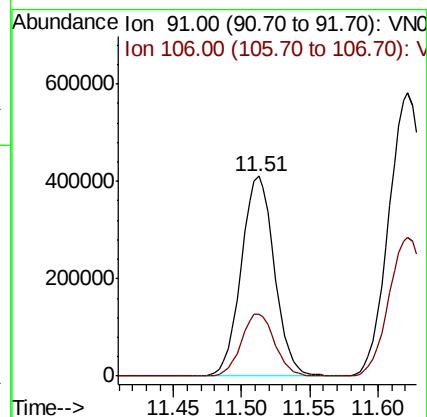
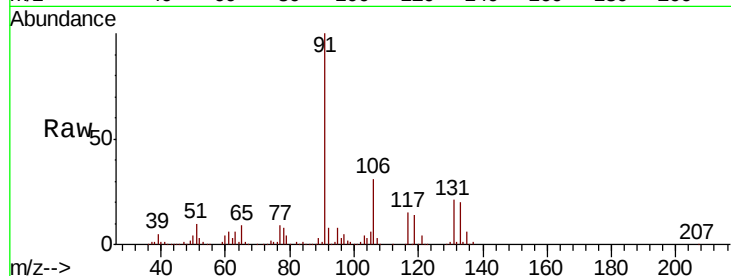
VN0821WBS02

Tot Ion: 91 Resp: 693463

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 42.381 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050795.D

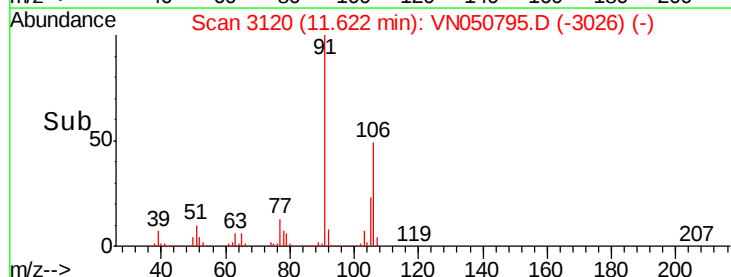
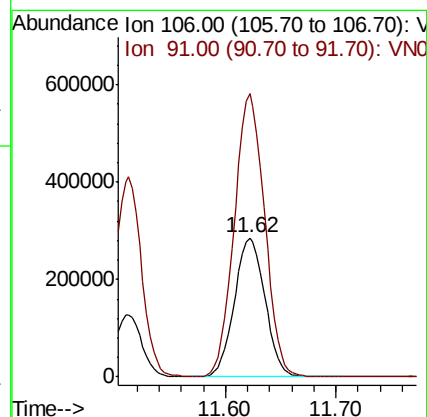
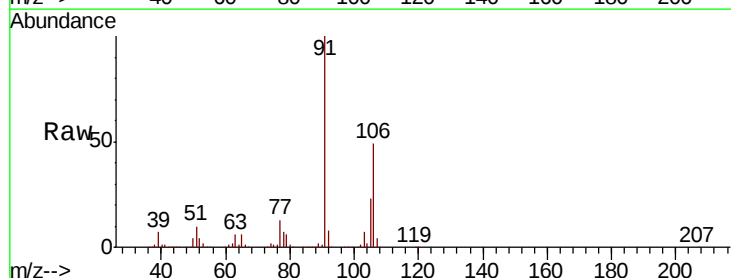
Acq: 21 Aug 2018 21:22

Tgt Ion: 106 Resp: 550620

Ion Ratio Lower Upper

106 100

91 201.7 161.0 241.6

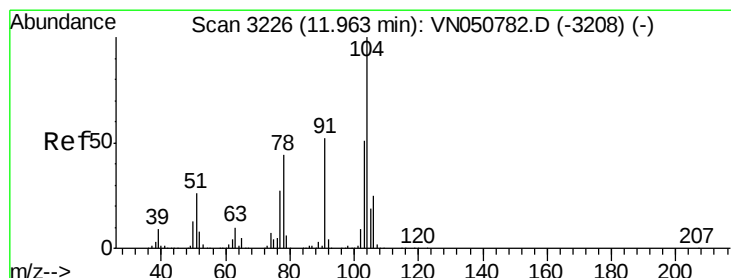
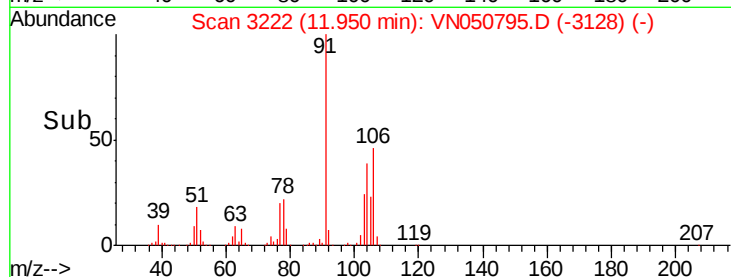
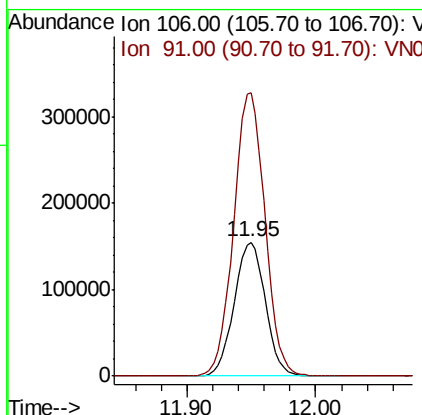
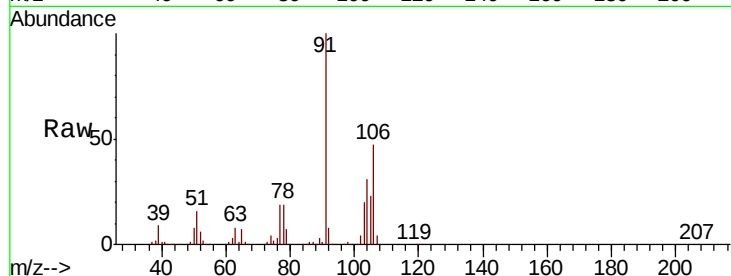




#69
o-Xylene
Concen: 20.762 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

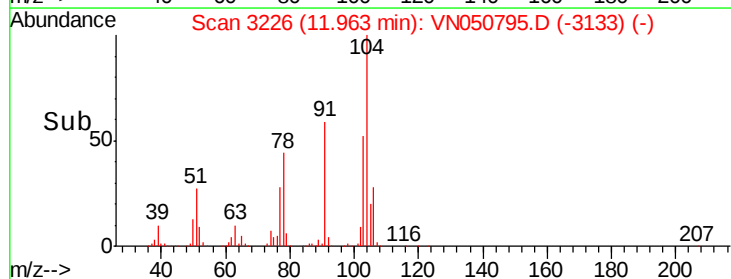
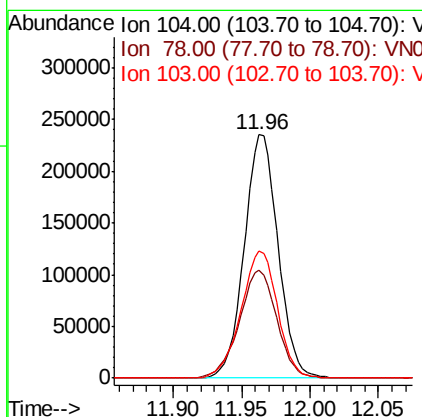
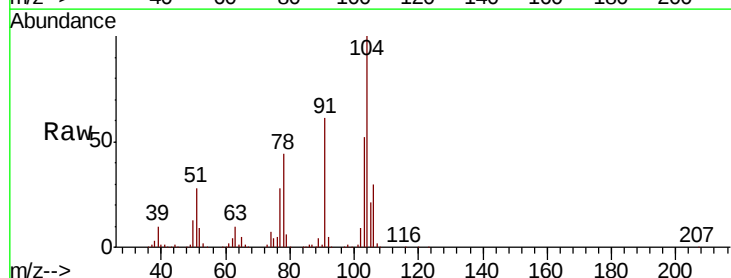
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS02

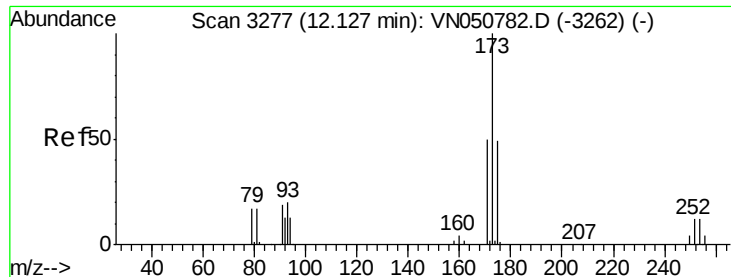
Tot Ion:106 Resp: 259326
Ion Ratio Lower Upper
106 100
91 213.0 106.5 319.5



#70
Styrene
Concen: 19.217 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050795.D
Acq: 21 Aug 2018 21:22

Tgt Ion:104 Resp: 405345
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.4
103 56.5 44.4 66.6





#71

Bromoform

Concen: 19.947 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

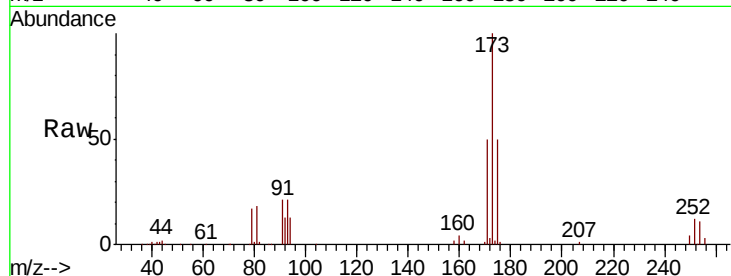
Tot Ion:173 Resp: 105669

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

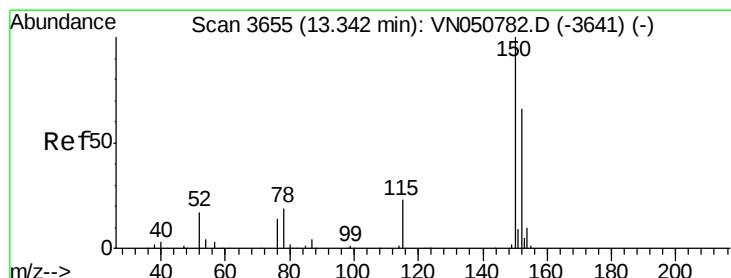
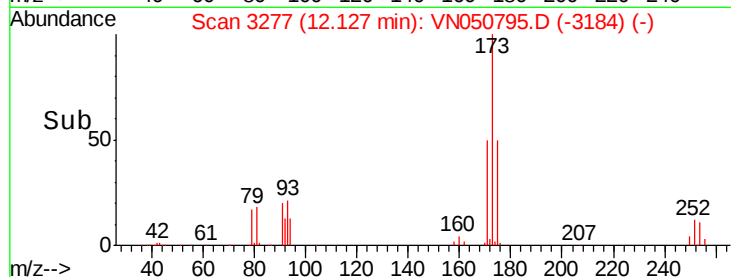
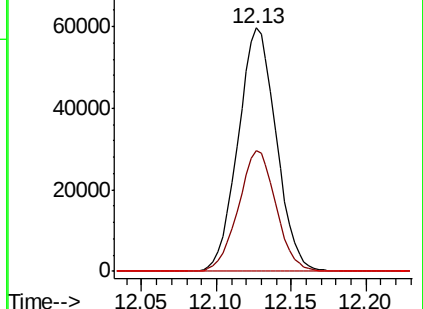
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

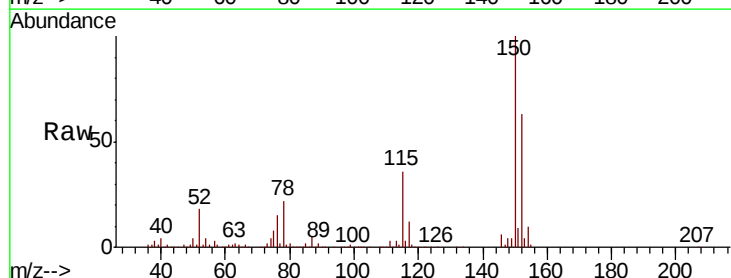
Tgt Ion:152 Resp: 396498

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

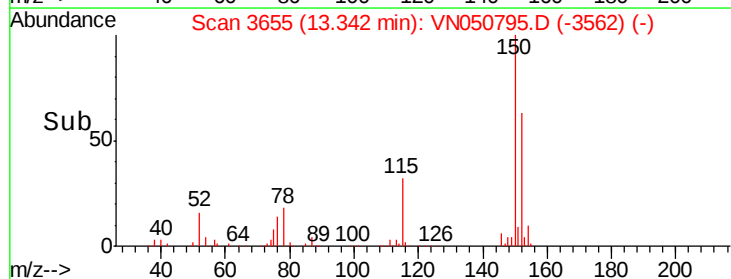
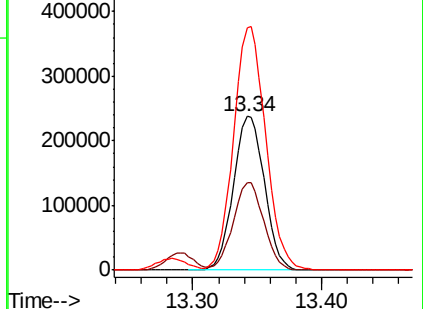
150 164.3 0.0 351.4

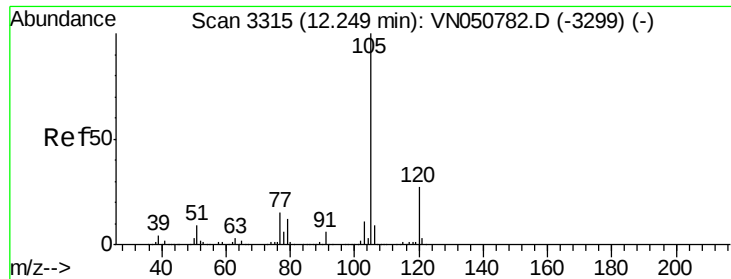


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.786 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

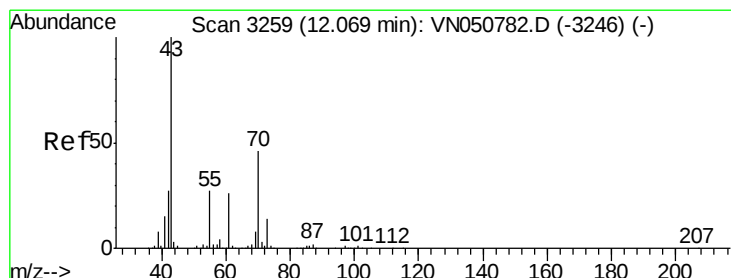
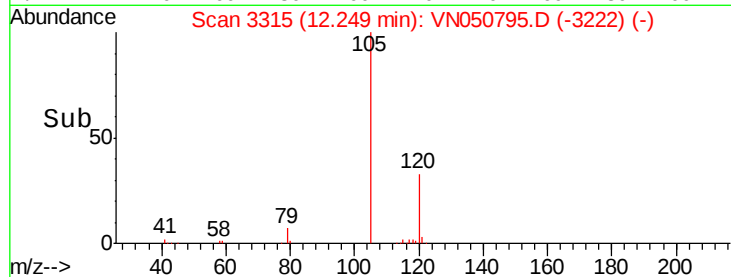
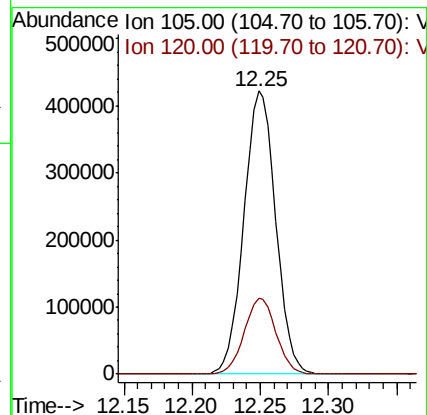
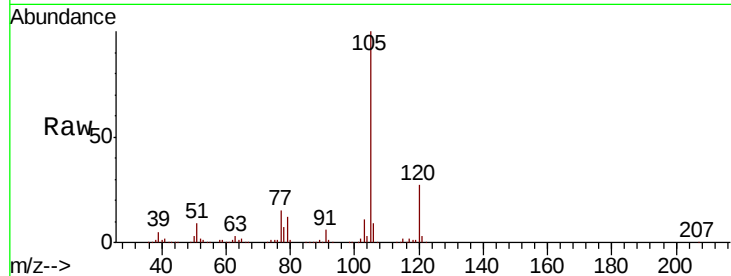
VN0821WBS02

Tot Ion:105 Resp: 682440

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 19.274 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Tgt Ion: 43 Resp: 158995

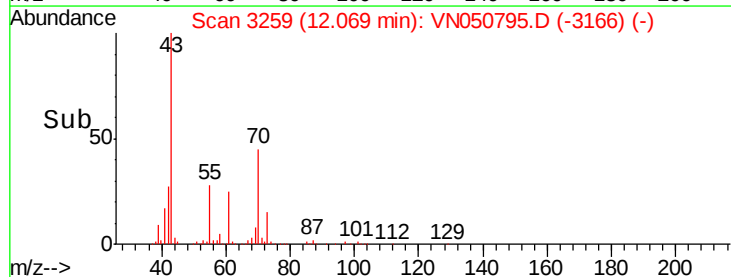
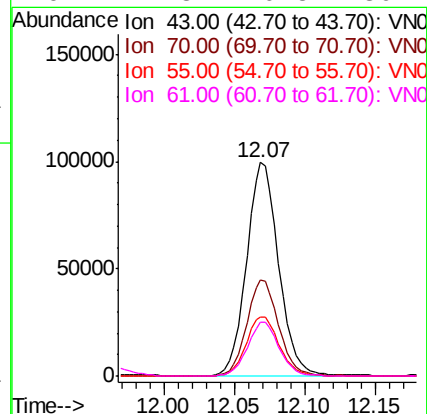
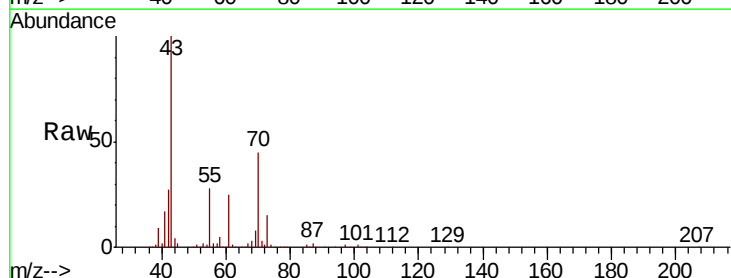
Ion Ratio Lower Upper

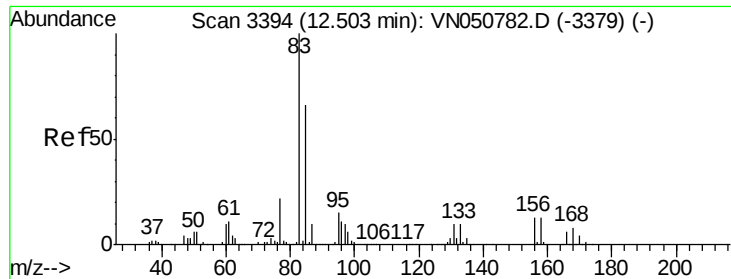
43 100

70 44.4 36.2 54.2

55 28.4 21.8 32.8

61 24.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.137 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

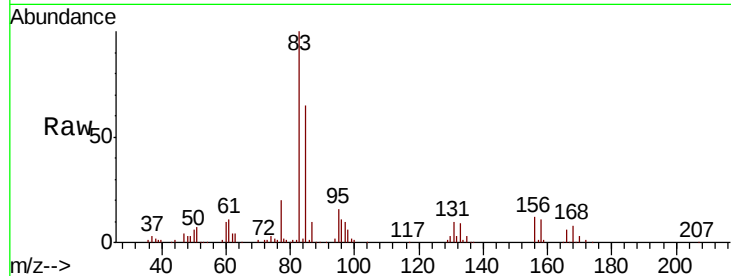
Tot Ion: 83 Resp: 172841

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

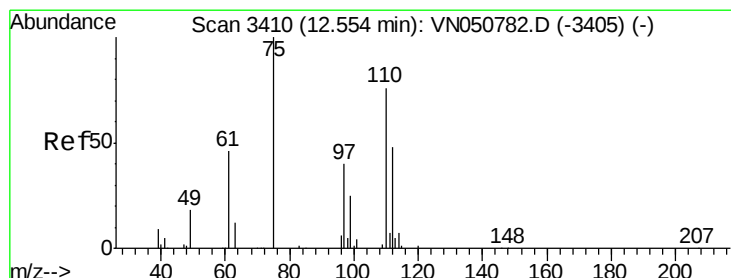
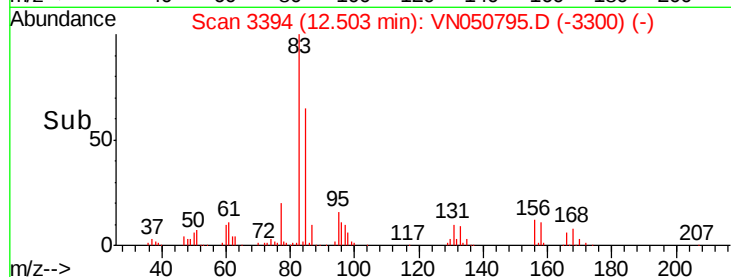
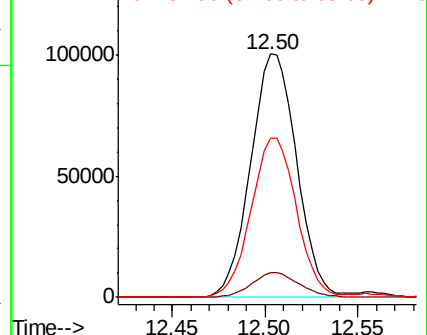
85 64.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.883 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050795.D

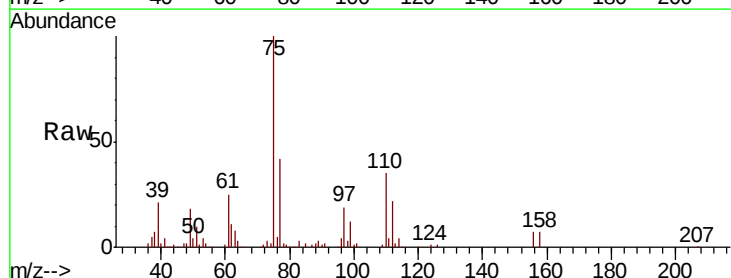
Acq: 21 Aug 2018 21:22

Tgt Ion: 75 Resp: 193636

Ion Ratio Lower Upper

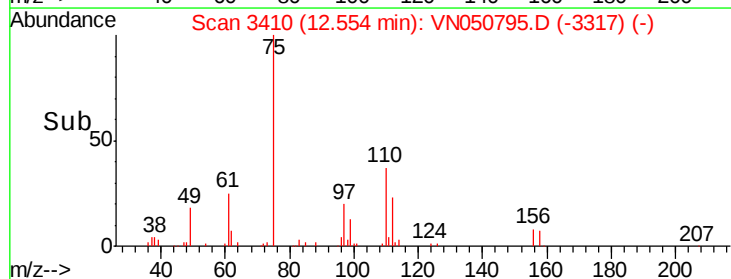
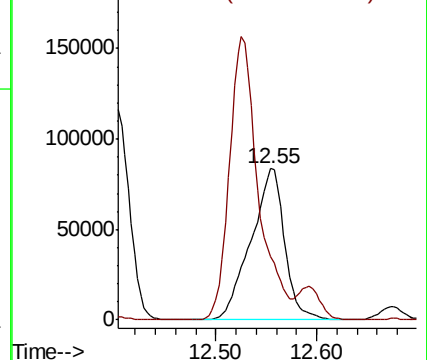
75 100

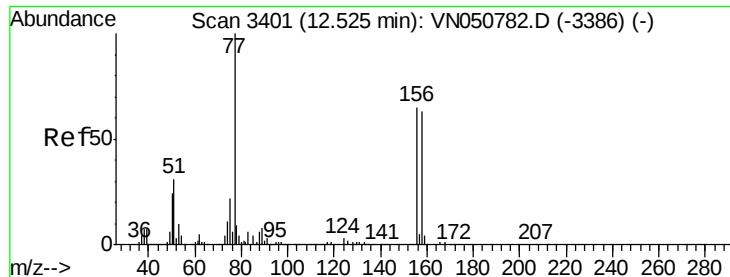
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.922 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

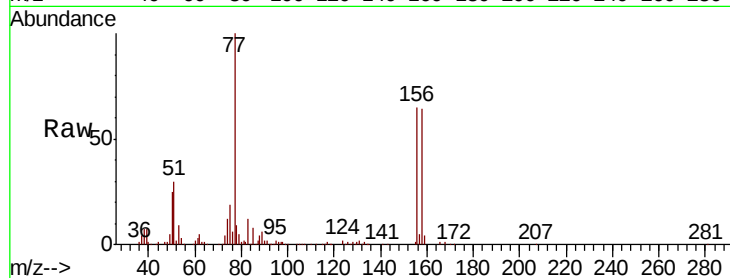
Tot Ion:156 Resp: 177758

Ion Ratio Lower Upper

156 100

77 177.4 89.9 269.7

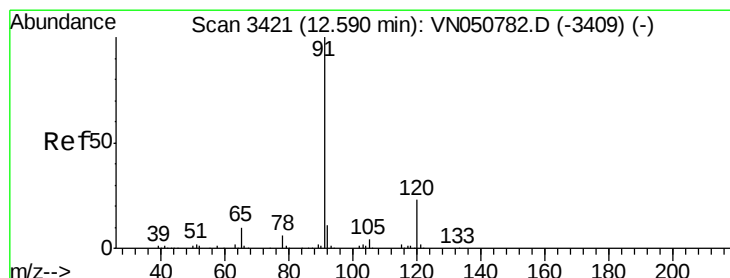
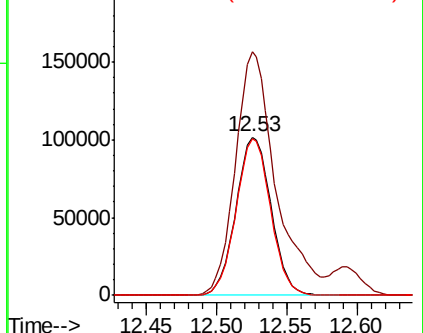
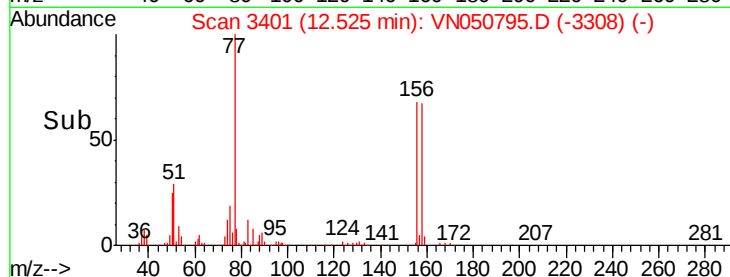
158 97.2 49.3 147.9



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: 20.975 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050795.D

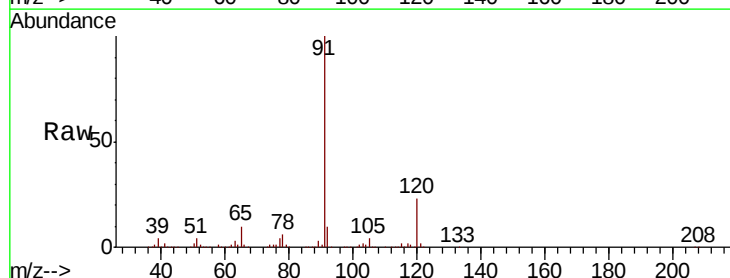
Acq: 21 Aug 2018 21:22

Tgt Ion: 91 Resp: 769270

Ion Ratio Lower Upper

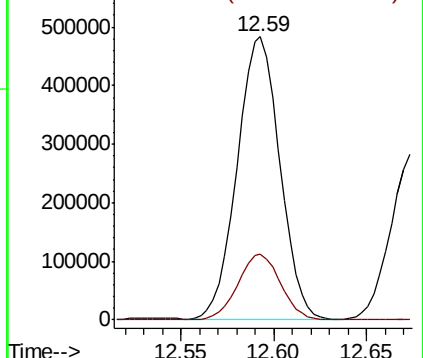
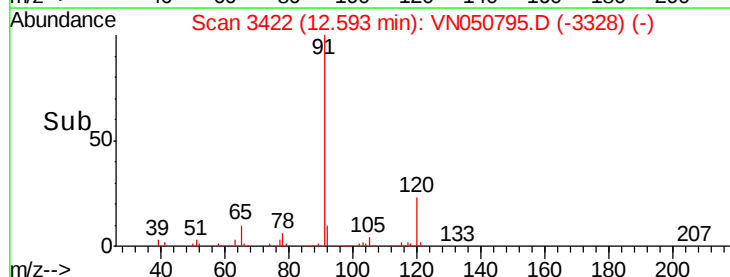
91 100

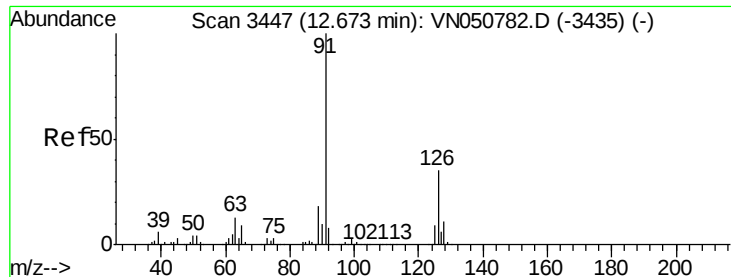
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

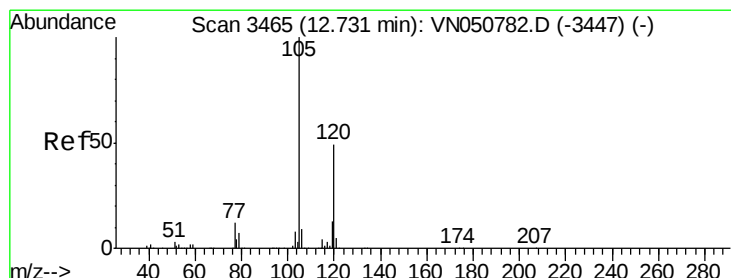
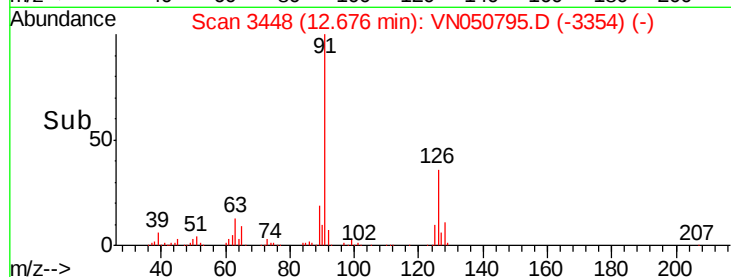
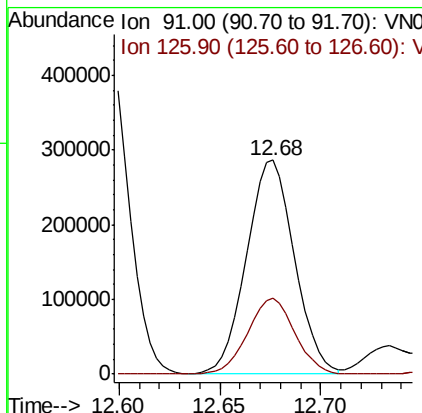
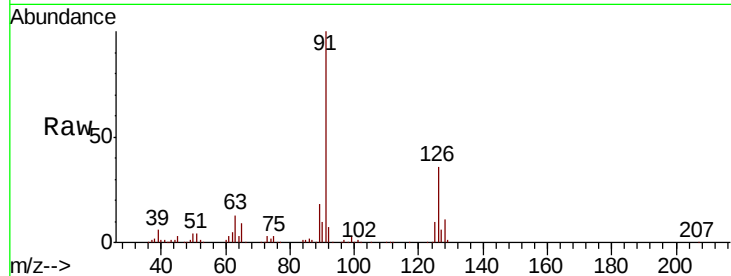




#79
 2-Chlorotoluene
 Concen: 20.727 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

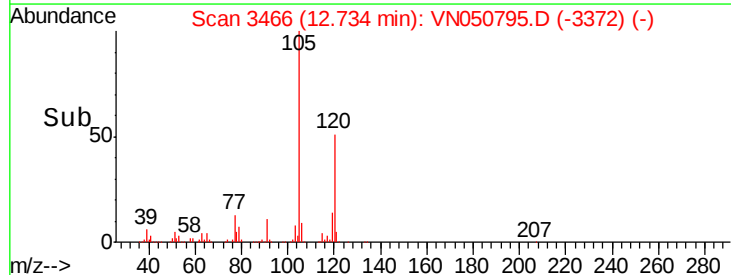
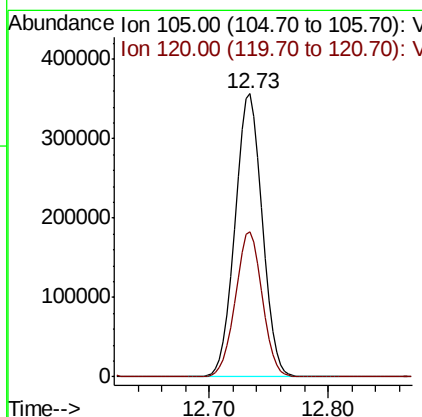
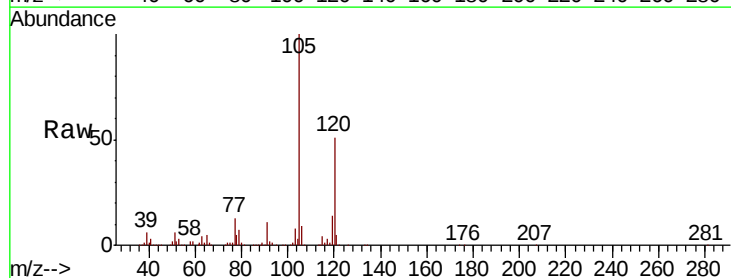
Instrument :
 MSVOA_N
 ClientSampled :
 VN0821WBS02

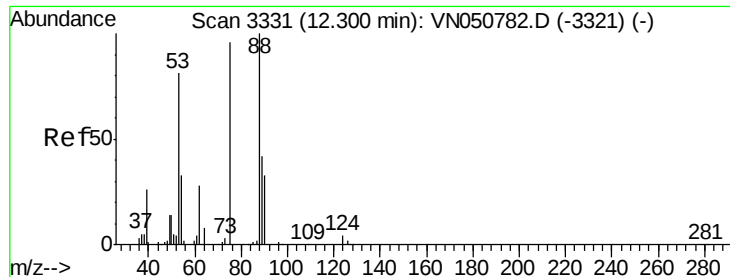
Tot Ion: 91 Resp: 473505
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.296 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion: 105 Resp: 564157
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.766 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampled :

VN0821WBS02

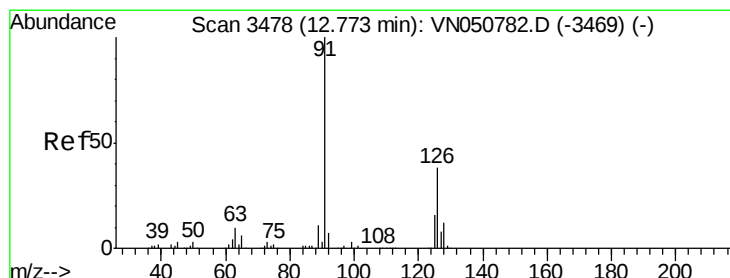
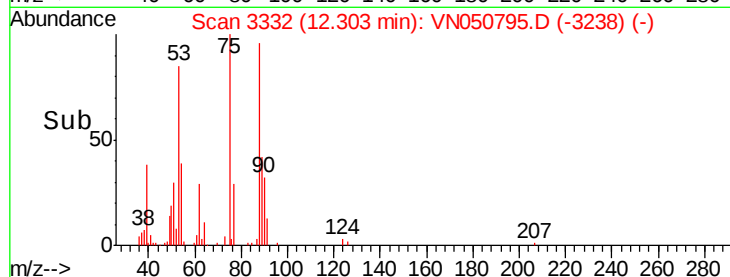
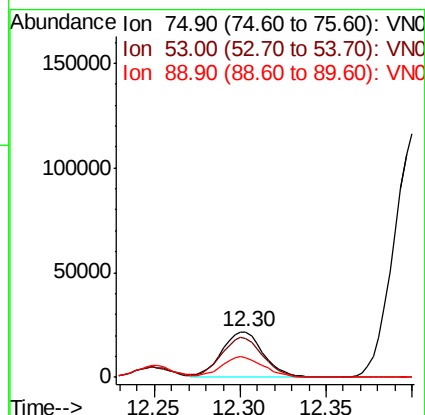
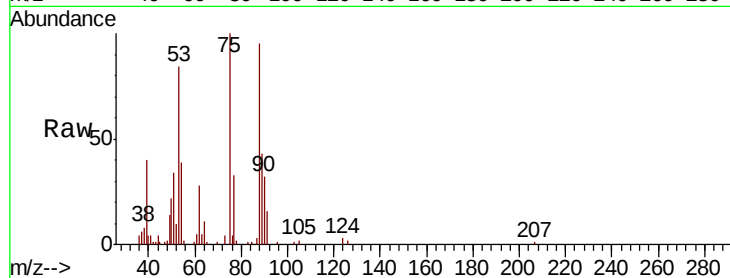
Tot Ion: 75 Resp: 36496

Ion Ratio Lower Upper

75 100

53 89.6 68.9 103.3

89 45.6 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050795.D

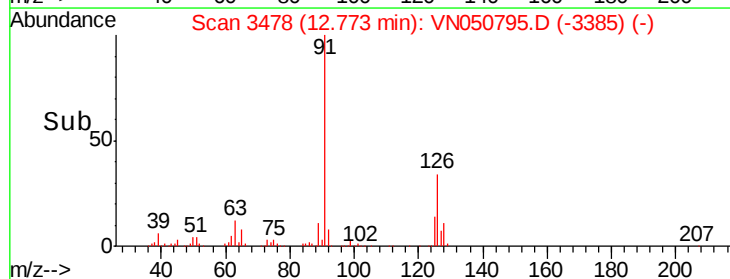
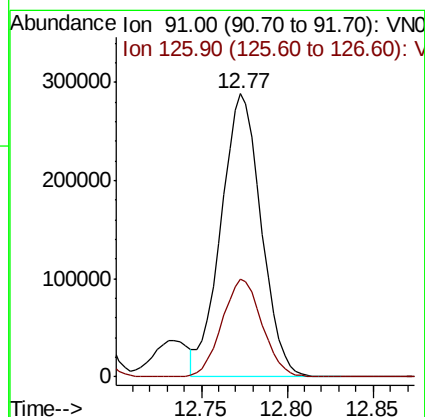
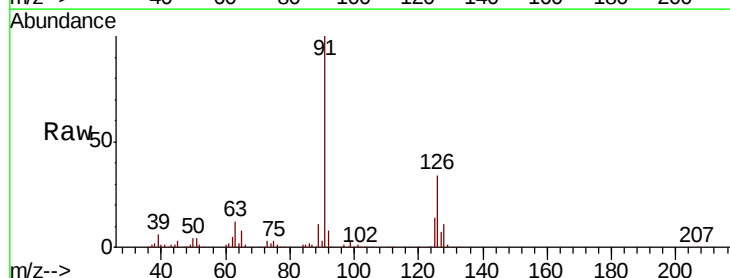
Acq: 21 Aug 2018 21:22

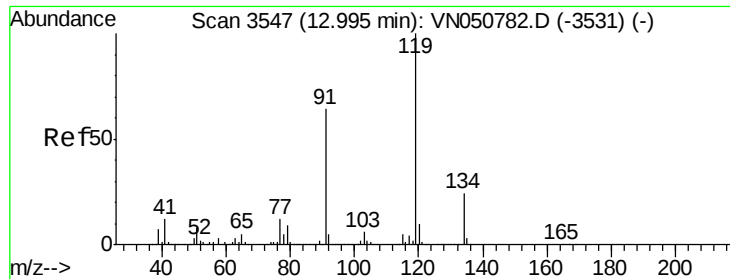
Tgt Ion: 91 Resp: 469884

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5

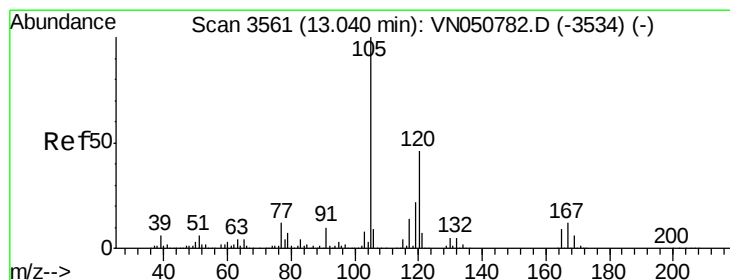
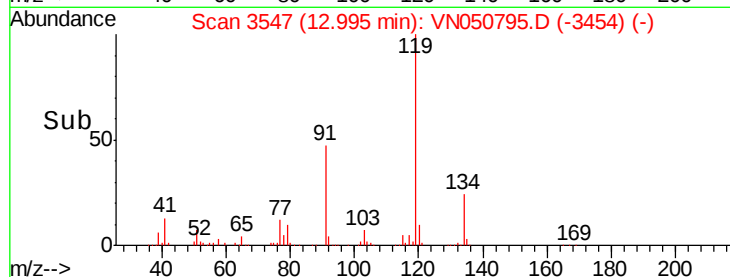
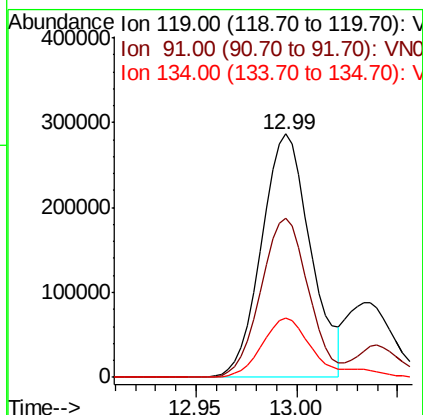
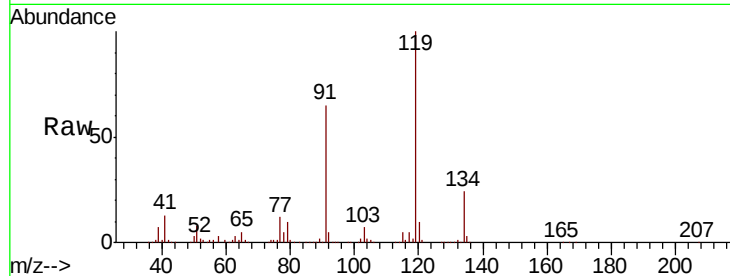




#83
 tert-Butylbenzene
 Concen: 21.159 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

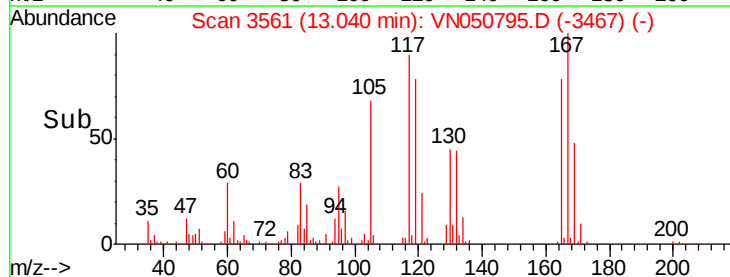
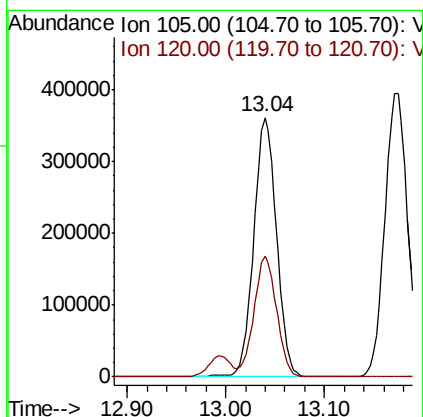
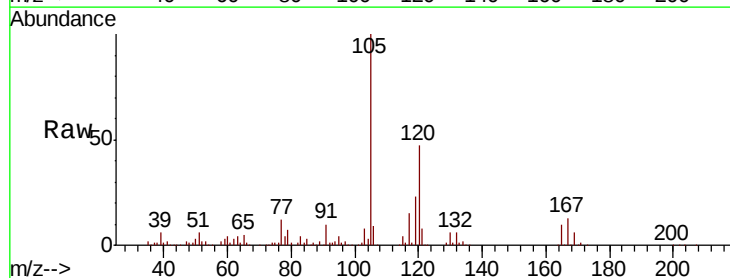
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

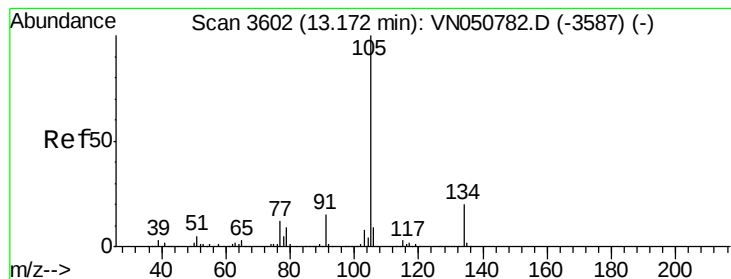
Tot Ion:119 Resp: 485450
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 94.7
 134 26.2 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.539 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion:105 Resp: 573968
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.005 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

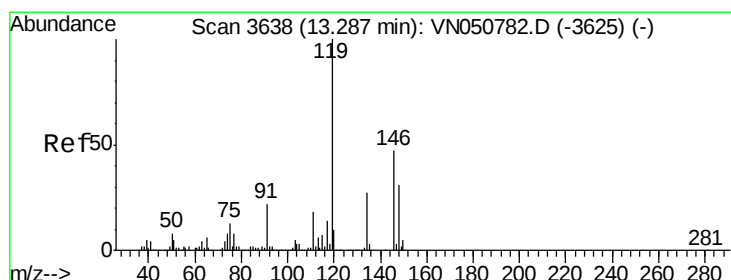
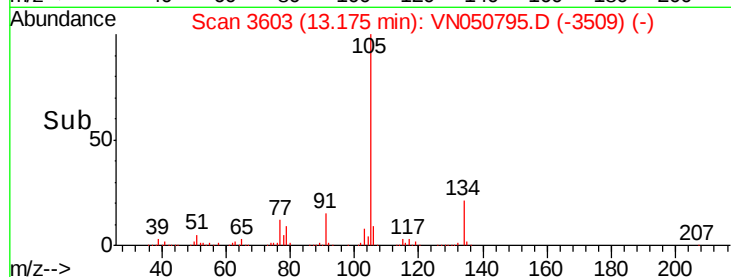
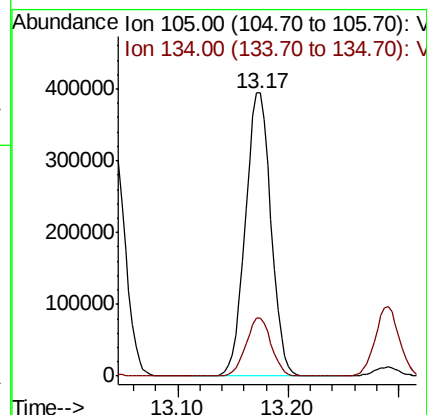
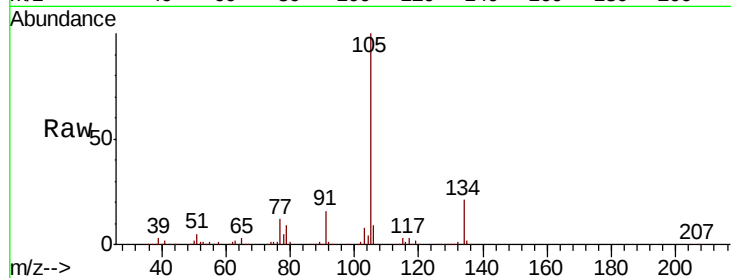
VN0821WBS02

Tot Ion:105 Resp: 631476

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 21.022 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

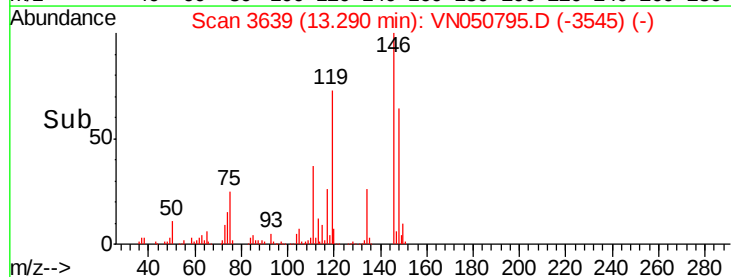
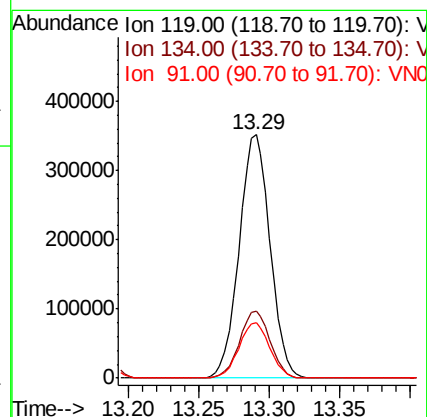
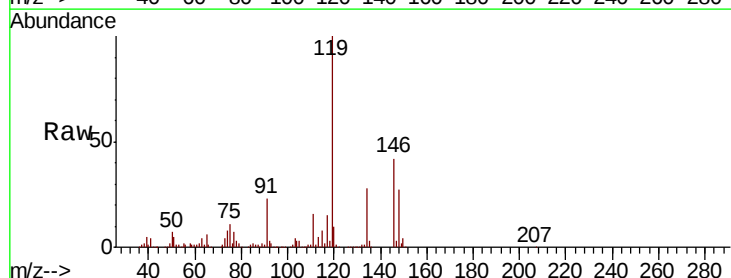
Tgt Ion:119 Resp: 538500

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.899 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

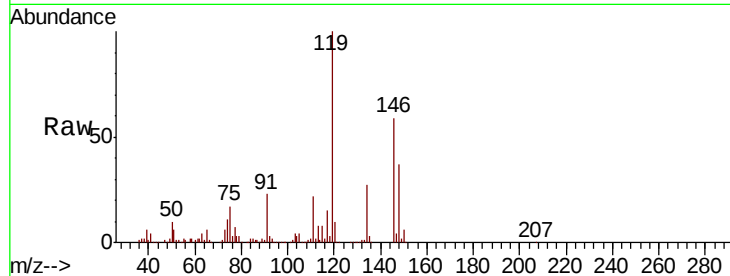
Tot Ion:146 Resp: 301309

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.3

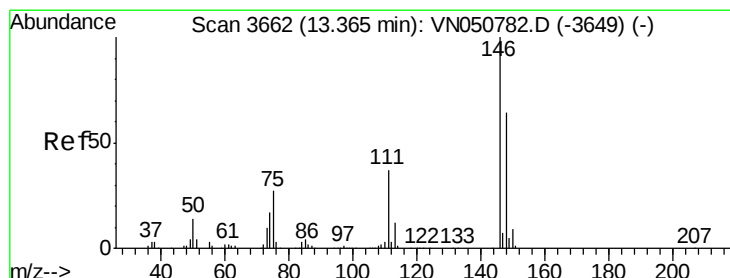
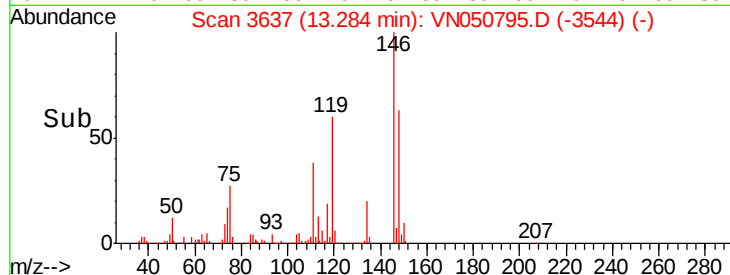
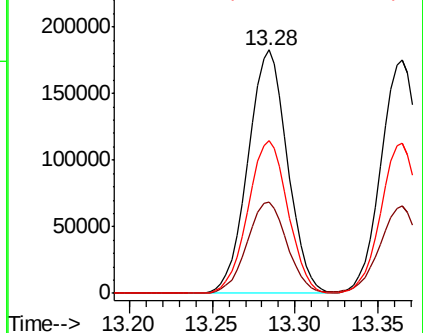
148 63.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.377 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

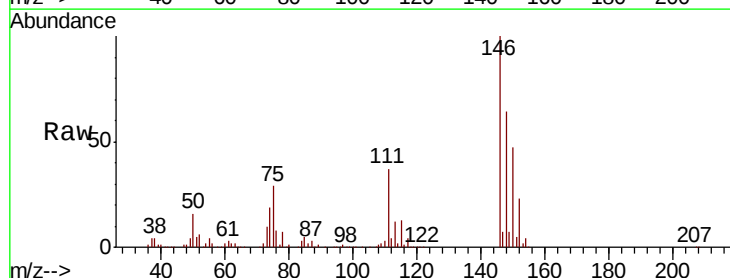
Tgt Ion:146 Resp: 288756

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.3

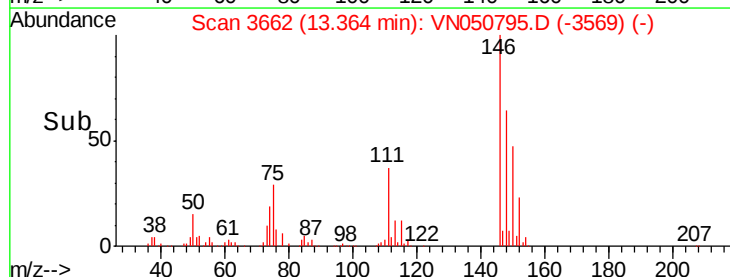
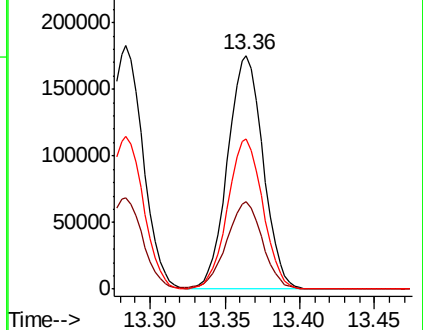
148 64.2 32.2 96.6

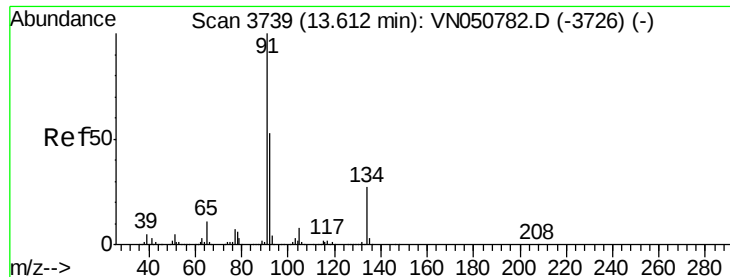


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.232 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampled :

VN0821WBS02

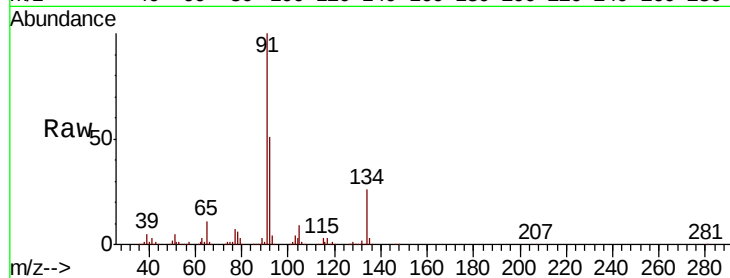
Tot Ion: 91 Resp: 394024

Ion Ratio Lower Upper

91 100

92 50.9 26.1 78.2

134 25.9 13.2 39.6

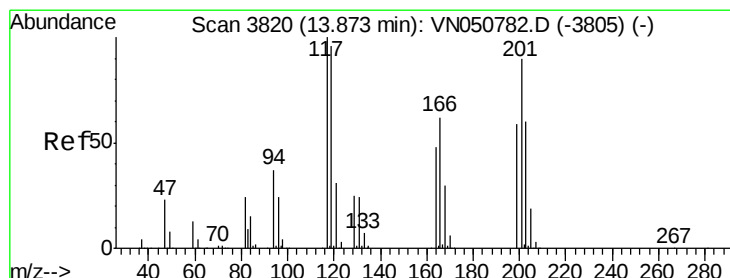
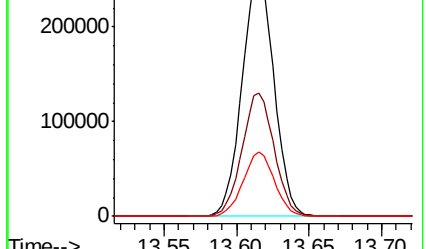
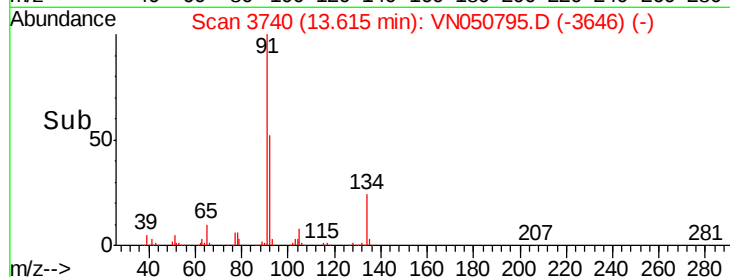


Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)

Time-->



#90

Hexachloroethane

Concen: 20.606 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050795.D

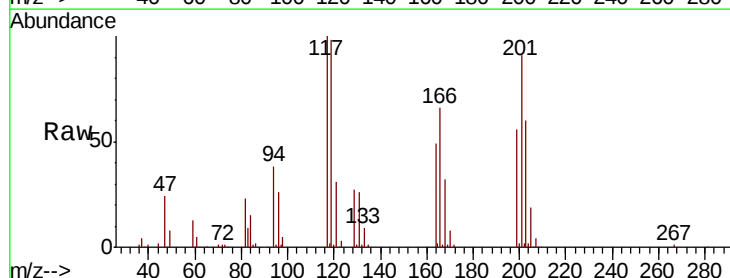
Acq: 21 Aug 2018 21:22

Tgt Ion: 117 Resp: 100069

Ion Ratio Lower Upper

117 100

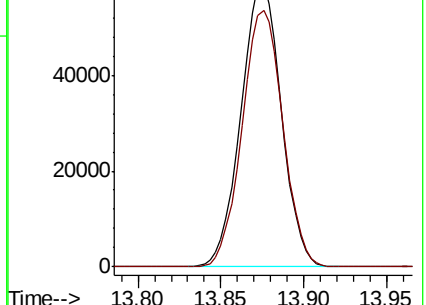
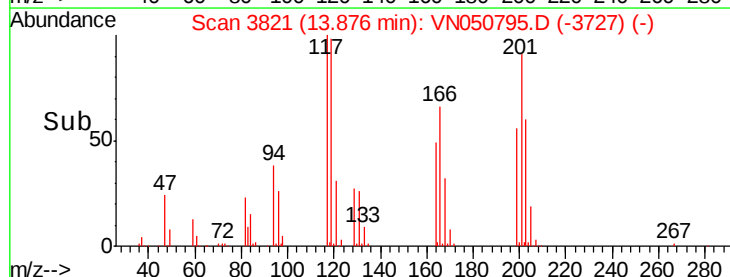
201 91.1 46.0 137.8

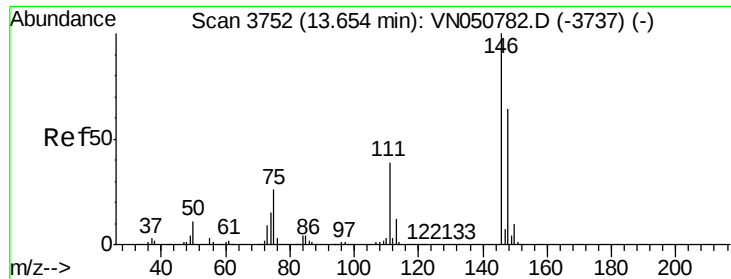


Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.090 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampled :

VN0821WBS02

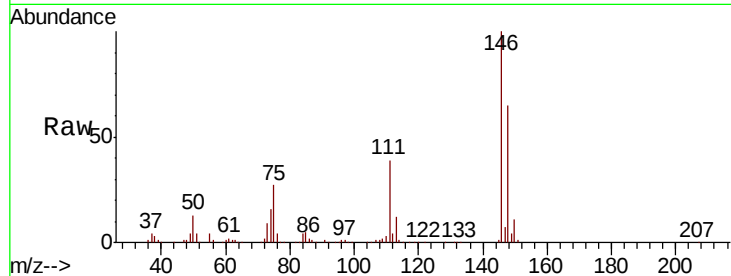
Tot Ion:146 Resp: 293478

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

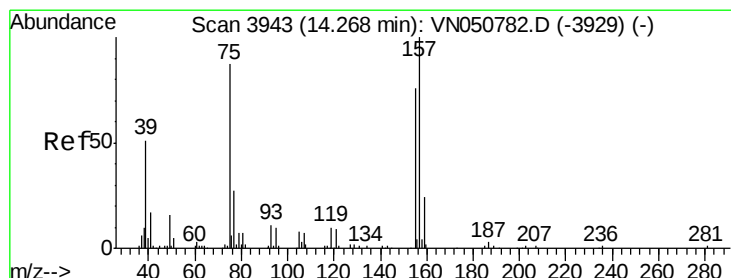
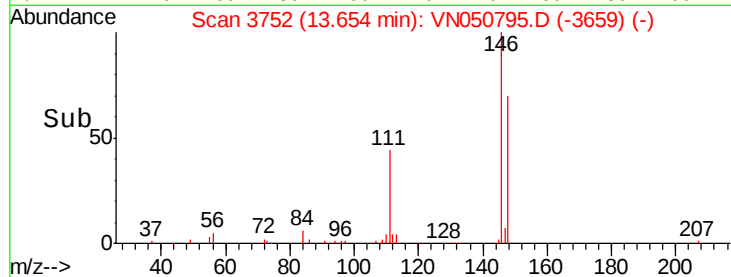
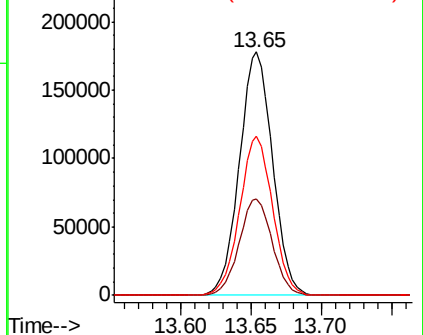
148 64.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.213 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

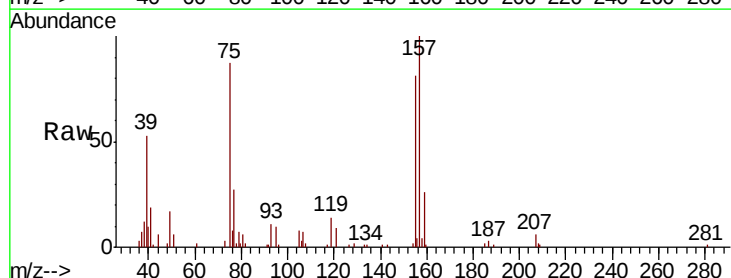
Tgt Ion: 75 Resp: 22654

Ion Ratio Lower Upper

75 100

155 94.6 46.4 139.1

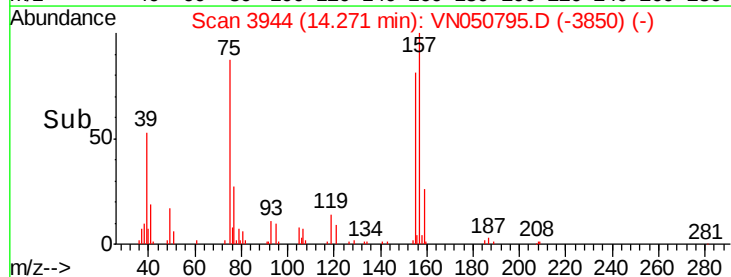
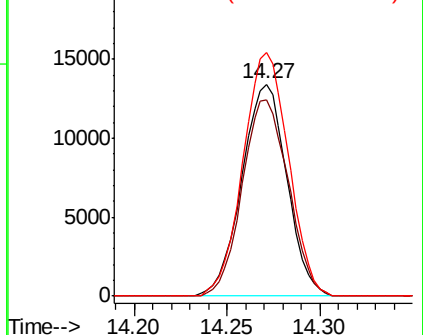
157 115.7 60.7 182.0

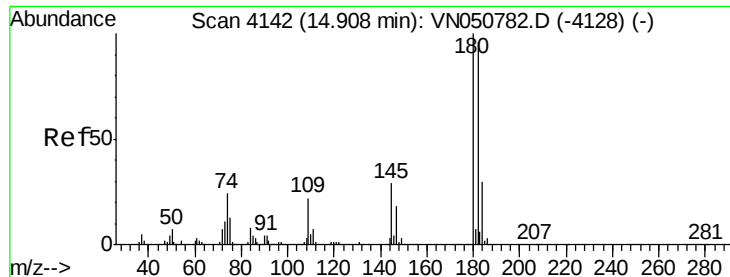


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

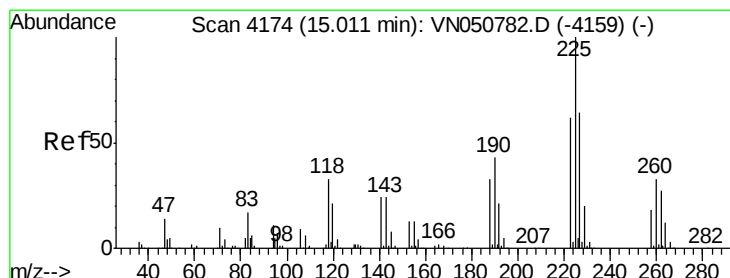
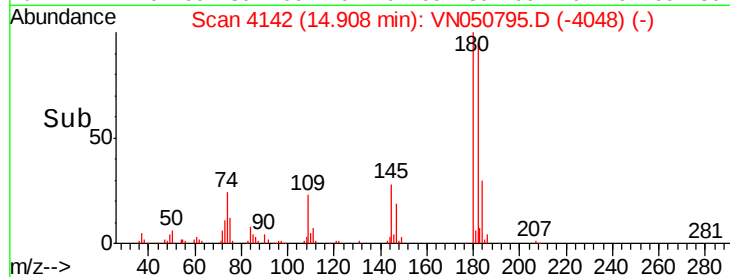
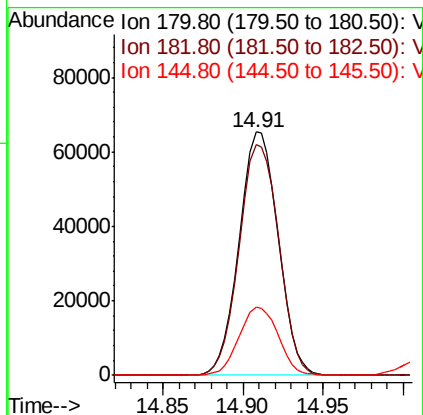
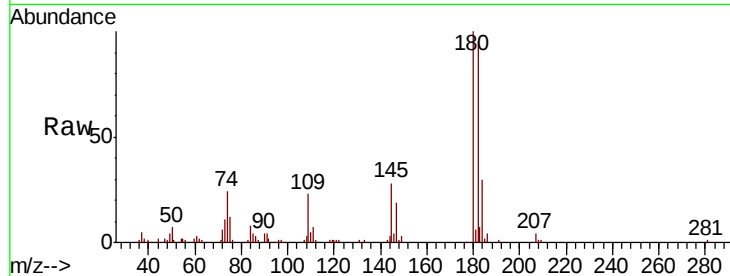




#93
 1,2,4-Trichlorobenzene
 Concen: 17.210 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

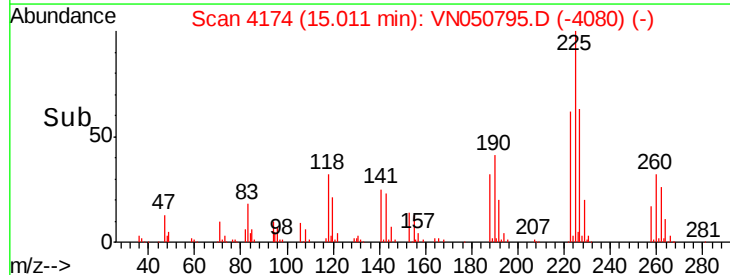
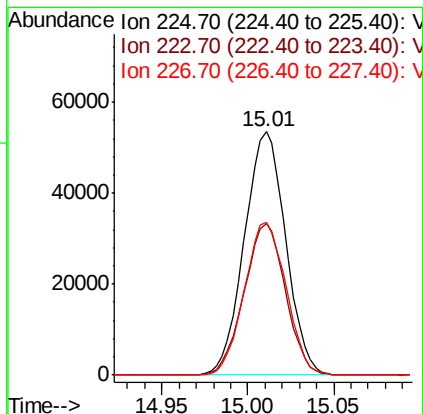
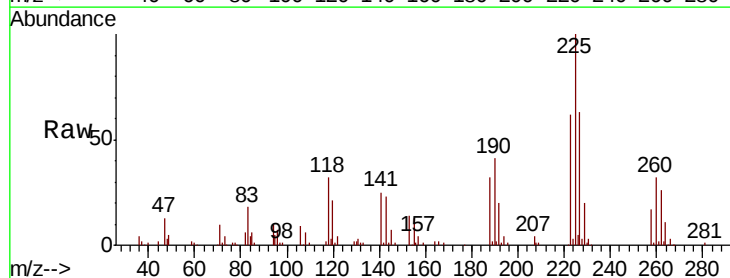
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS02

Tot Ion:180 Resp: 108633
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.2 144.6
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.909 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050795.D
 Acq: 21 Aug 2018 21:22

Tgt Ion:225 Resp: 89130
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.8
 227 63.1 32.0 96.2





#95

Naphthalene

Concen: 16.617 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS02

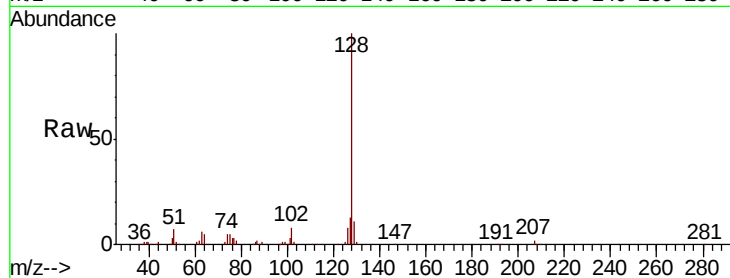
Tot Ion:128 Resp: 199219

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 10.9 8.7 13.1

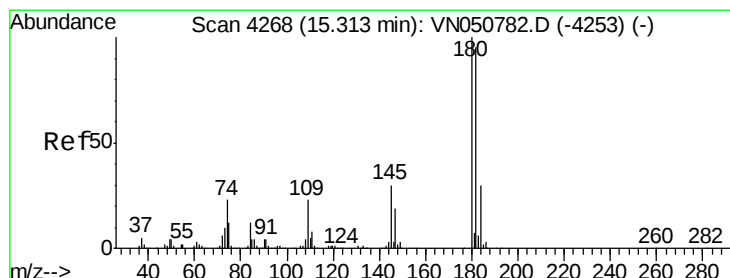
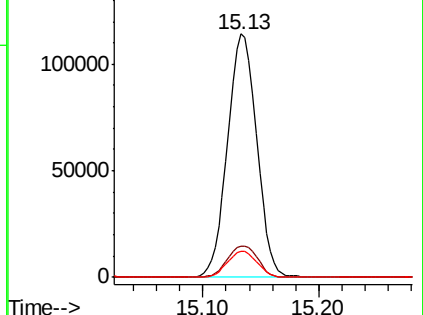
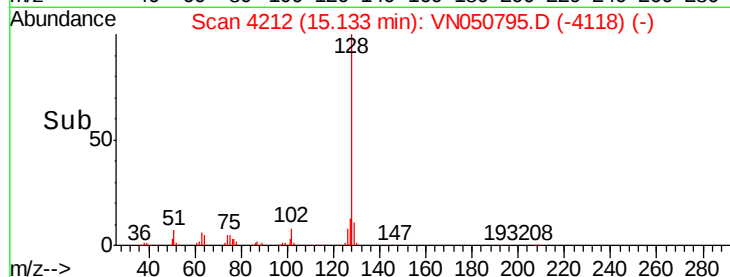


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.860 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050795.D

Acq: 21 Aug 2018 21:22

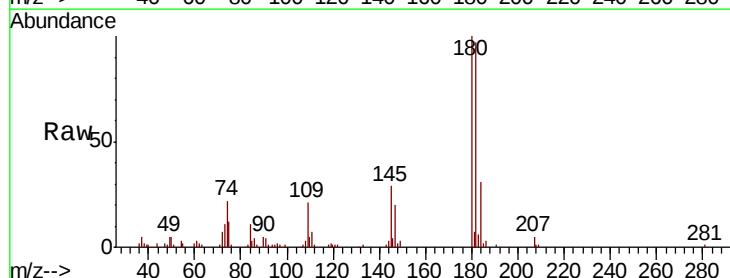
Tgt Ion:180 Resp: 111076

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.2

145 30.3 15.2 45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

