

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051628.D
 Acq On : 1 Oct 2018 11:12
 Operator : MD\SY
 Sample : VN1001WBS01
 Misc : Sample
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Quant Time: Oct 02 00:59:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	565432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	490078	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	223114	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	227996	30.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.83%
63) Toluene-d8	10.09	98	705115	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	190411	20.829 ug/l	97
3) Chloromethane	2.06	50	217534	21.264 ug/l	98
4) Vinyl Chloride	2.19	62	186617	18.596 ug/l	99
5) Bromomethane	2.57	94	98608	18.916 ug/l	96
6) Chloroethane	2.71	64	93385	18.549 ug/l	98
7) Trichlorofluoromethane	3.02	101	239004	19.492 ug/l	100
8) Diethyl Ether	3.41	74	73853	19.176 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146831	21.185 ug/l	98
10) 1,1-Dichloroethene	3.74	96	127232	20.228 ug/l	99
11) Methyl Iodide	3.95	142	158988	19.637 ug/l	98
12) Methyl Acetate	4.33	43	109103	19.655 ug/l	95
13) Acrolein	3.61	56	50583	82.479 ug/l	99
14) Acrylonitrile	4.99	53	221580	99.672 ug/l	97
15) Acetone	3.82	58	58093	99.666 ug/l	99
16) Carbon Disulfide	4.05	76	395357	19.506 ug/l	100
17) Allyl chloride	4.33	41	220116	19.563 ug/l	98
18) Methylene Chloride	4.55	84	148693	20.563 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	133981	20.067 ug/l	99
20) Diisopropyl ether	5.96	45	464327	20.803 ug/l	99
21) 1,1-Dichloroethane	5.85	63	270365	20.437 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	146887	20.144 ug/l	100
23) tert-Butyl Alcohol	4.79	59	39502	92.894 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	327136	19.790 ug/l	100
25) Chloroform	7.37	83	265534	20.993 ug/l	100
26) Cyclohexane	7.65	56	232510	20.310 ug/l	99
29) 1,1-Dichloropropene	7.80	75	198050	20.541 ug/l	99
30) 2-Butanone	6.84	43	256207	97.635 ug/l	100
31) 2,2-Dichloropropane	6.83	77	213519	20.519 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	220292	20.335 ug/l	99
33) Carbon Tetrachloride	7.78	117	202057	20.752 ug/l	99
34) Benzene	8.04	78	592238	20.704 ug/l	99
35) Methacrylonitrile	7.18	41	61224	20.752 ug/l	97
36) 1,2-Dichloroethane	8.13	62	186813	20.488 ug/l	99
37) Trichloroethene	8.84	130	149439	20.348 ug/l	97
38) Methylcyclohexane	9.08	83	216712	19.478 ug/l	99
39) 1,2-Dichloropropane	9.12	63	164649	21.006 ug/l	98
40) Dibromomethane	9.21	93	88461	20.317 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	191862	20.187	ug/l	96
42) Vinyl Acetate	5.90	43	1434343	98.182	ug/l	100
43) Ethyl Acetate	6.93	43	110081	19.818	ug/l #	81
44) Isopropyl Acetate	8.17	43	202044	18.577	ug/l	99
45) 1,4-Dioxane	9.20	88	23373	397.281	ug/l	95
46) Methyl methacrylate	9.20	41	97729	19.317	ug/l	97
47) n-amyl Acetate	12.07	43	146059	17.949	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	183125	19.305	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	220907	19.919	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	126353	20.534	ug/l	98
51) Ethyl methacrylate	10.43	69	137797	18.457	ug/l	97
52) 1,3-Dichloropropane	10.71	76	211926	20.087	ug/l	98
53) Dibromochloromethane	10.90	129	141647	20.212	ug/l	99
54) 1,2-Dibromoethane	11.01	107	117417	19.887	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	331527	89.842	ug/l	100
56) Bromoform	12.13	173	92284	19.845	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	563109	101.203	ug/l	99
59) 2-Hexanone	10.75	43	355011	96.984	ug/l	98
61) Tetrachloroethene	10.63	164	143285	20.651	ug/l	98
62) Toluene	10.16	91	610040	20.301	ug/l	100
64) Chlorobenzene	11.43	112	360878	19.862	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141347	20.373	ug/l	99
66) Ethyl Benzene	11.51	91	599358	19.488	ug/l	99
67) m/p-Xylenes	11.62	106	485856	40.990	ug/l	99
68) o-Xylene	11.95	106	226877	20.051	ug/l	97
69) Styrene	11.96	104	354014	19.933	ug/l	100
70) Isopropylbenzene	12.25	105	602342	19.957	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	150305	20.583	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	177318	28.402	ug/l	48
73) Bromobenzene	12.53	156	147530	19.642	ug/l	98
74) n-propylbenzene	12.59	91	698824	19.889	ug/l	99
75) 2-Chlorotoluene	12.67	91	417905	19.918	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	512456	20.319	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36907	18.665	ug/l	93
78) 4-Chlorotoluene	12.77	91	411908	19.875	ug/l	99
79) tert-butylbenzene	12.99	119	426599	19.524	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	517570	20.547	ug/l	99
81) sec-Butylbenzene	13.17	105	610245	20.219	ug/l	99
82) p-Isopropyltoluene	13.29	119	514468	19.944	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	260056	19.870	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	233106	18.947	ug/l	98
85) n-Butylbenzene	13.62	91	401595	18.967	ug/l	99
86) Hexachloroethane	13.87	117	103138	19.990	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	259849	20.295	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18568	17.446	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	98247	16.395	ug/l	99
90) Hexachlorobutadiene	15.01	225	101363	20.748	ug/l	95
91) Naphthalene	15.13	128	162848	17.521	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	103706	17.207	ug/l	98

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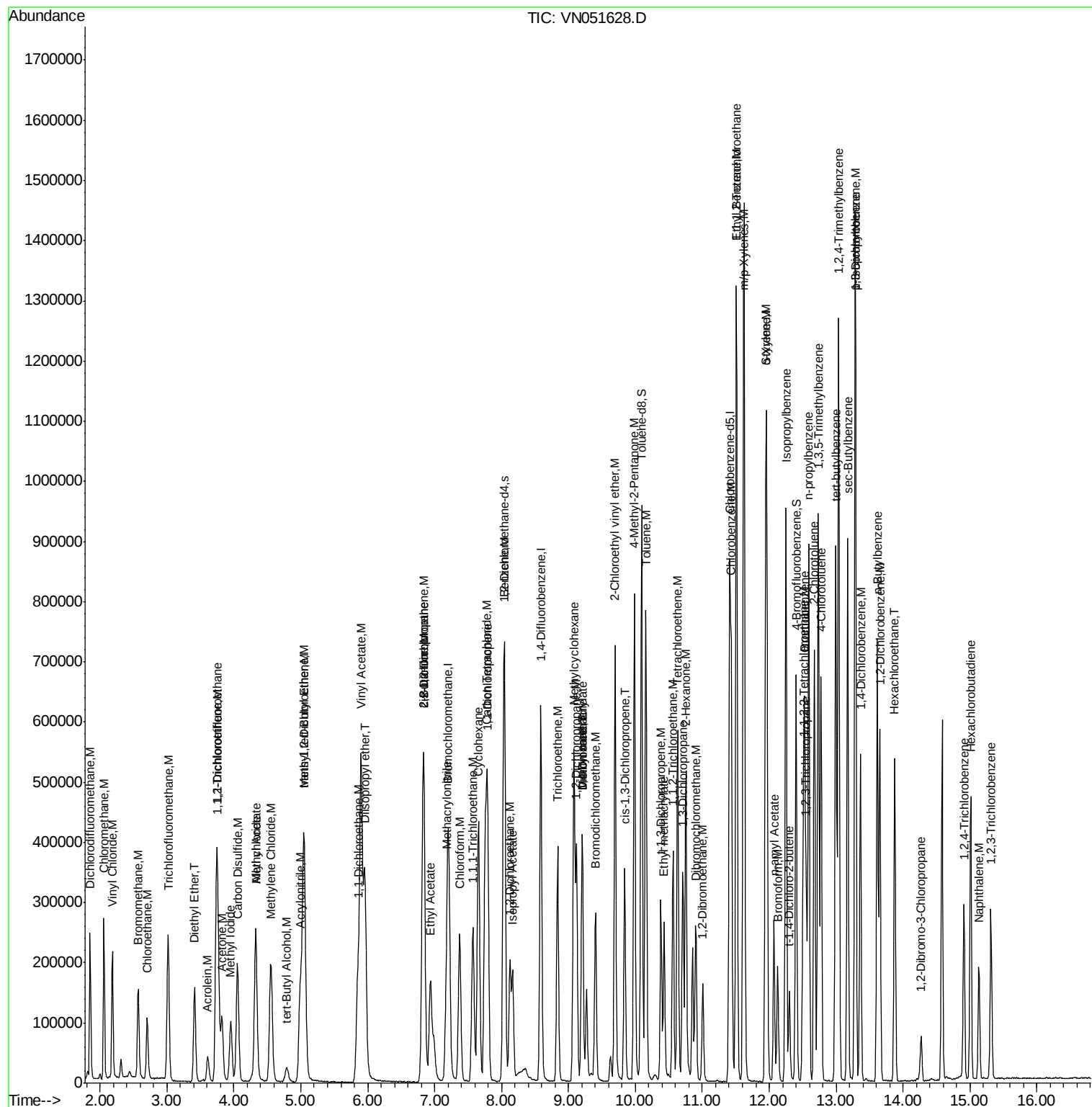
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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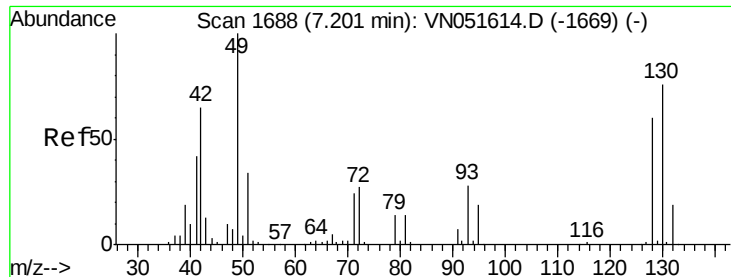
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 00:59:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

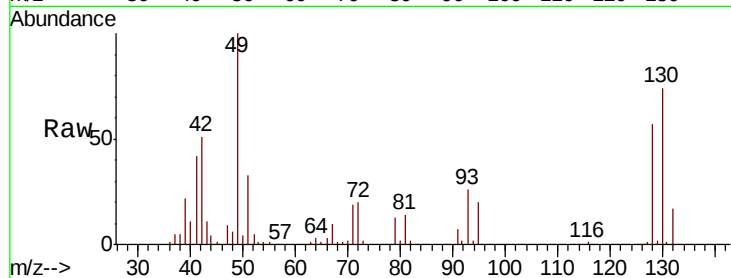
Tot Ion:128 Resp: 104167

Ion Ratio Lower Upper

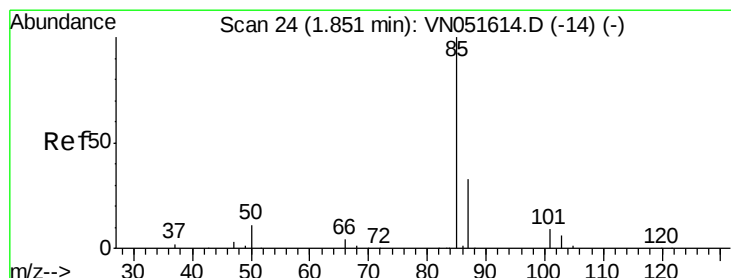
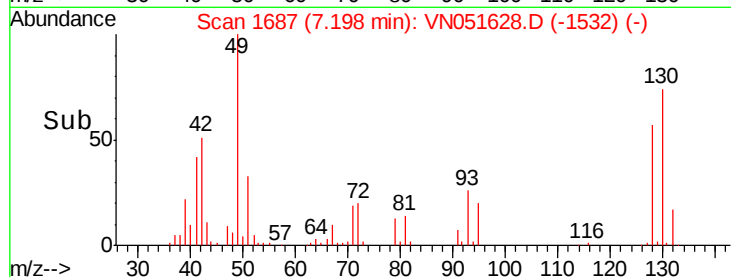
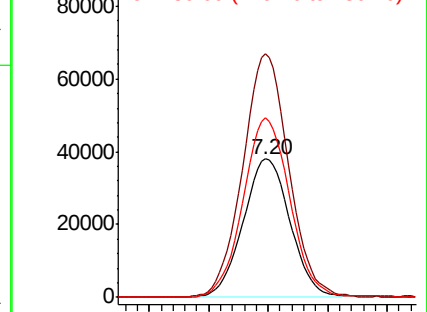
128 100

49 172.7 0.0 426.8

130 129.1 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.829 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051628.D

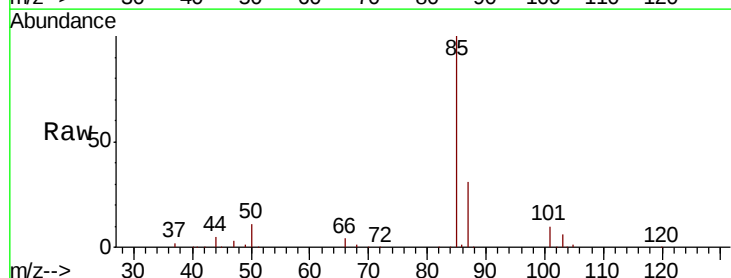
Acq: 1 Oct 2018 11:12

Tgt Ion: 85 Resp: 190411

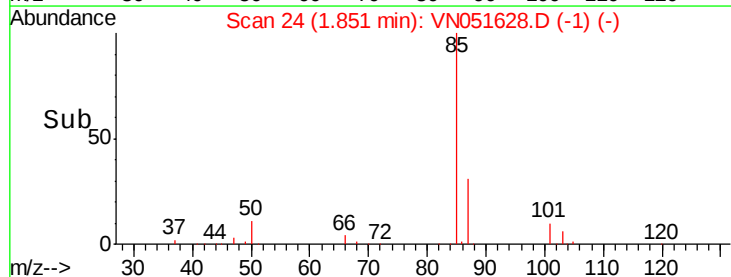
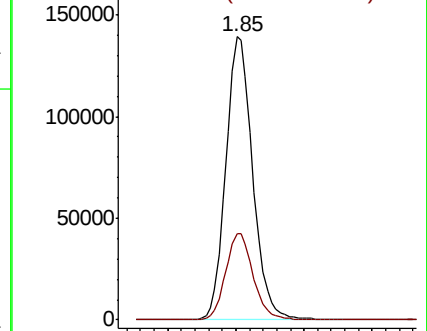
Ion Ratio Lower Upper

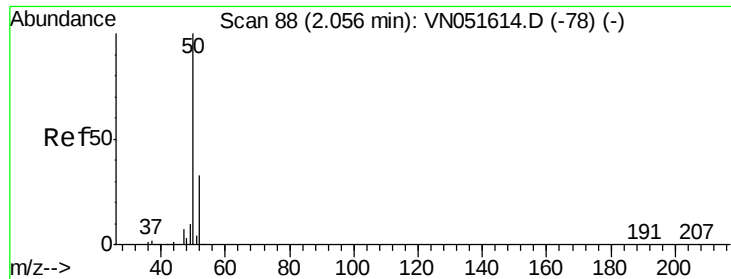
85 100

87 30.6 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.264 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

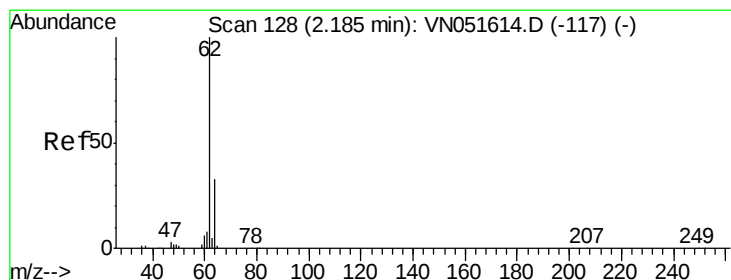
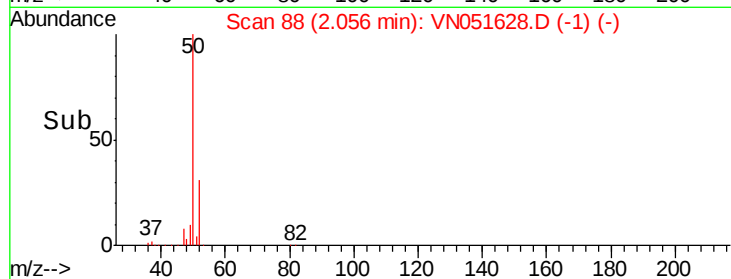
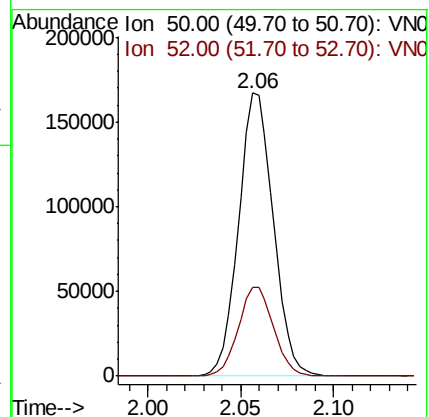
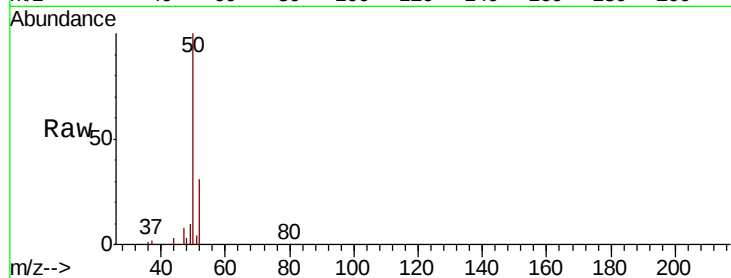
VN1001WBS01

Tot Ion: 50 Resp: 217534

Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0



#4

Vinyl Chloride

Concen: 18.596 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051628.D

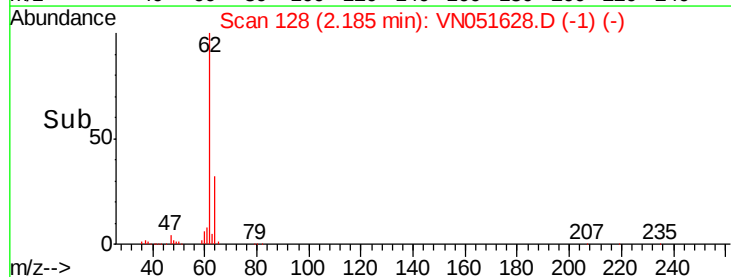
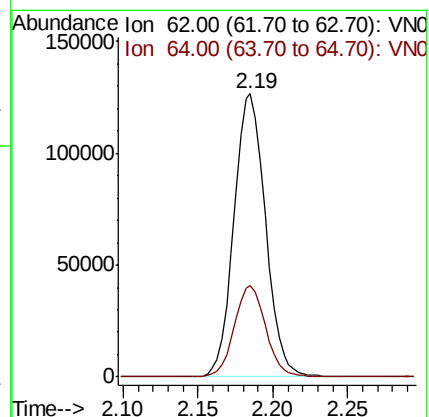
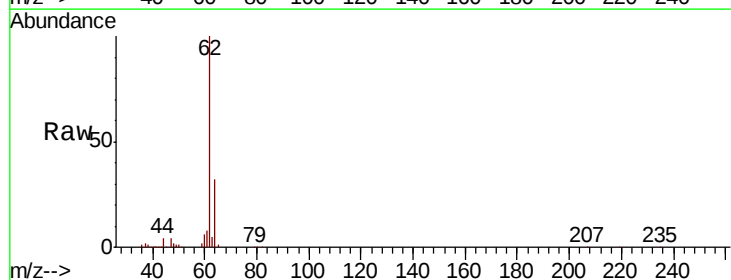
Acq: 1 Oct 2018 11:12

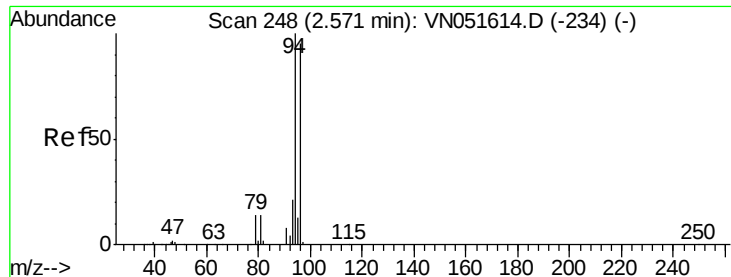
Tgt Ion: 62 Resp: 186617

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 18.916 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

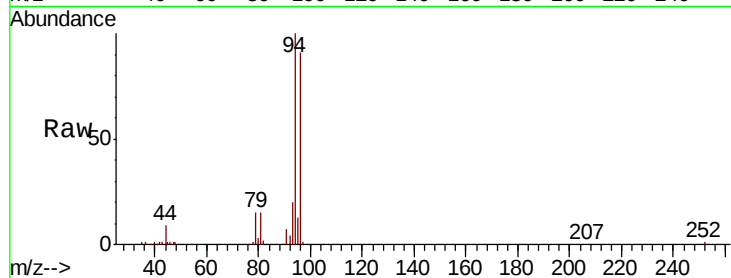
VN1001WBS01

Tot Ion: 94 Resp: 98608

Ion Ratio Lower Upper

94 100

96 90.9 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN051614.D (-234) (-)

Ion 96.00 (95.70 to 96.70): VN051614.D (-234) (-)

2.57

60000

50000

40000

30000

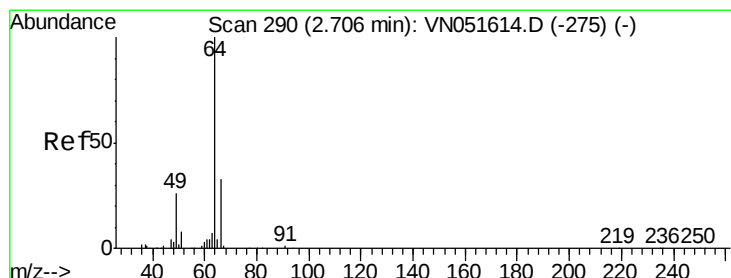
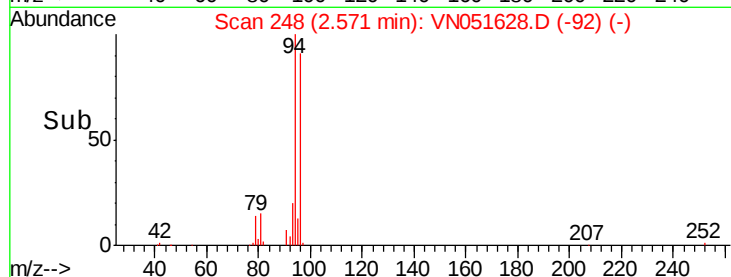
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.549 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051628.D

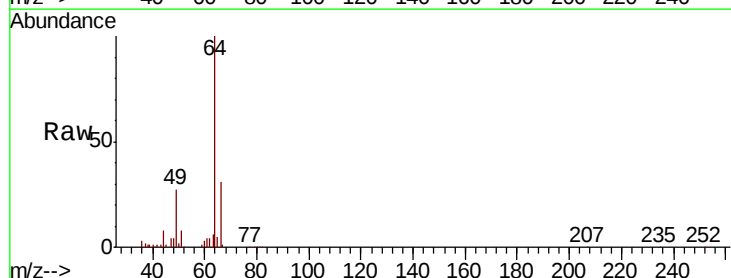
Acq: 1 Oct 2018 11:12

Tgt Ion: 64 Resp: 93385

Ion Ratio Lower Upper

64 100

66 31.3 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN051614.D (-275) (-)

Ion 66.00 (65.70 to 66.70): VN051614.D (-275) (-)

2.71

50000

40000

30000

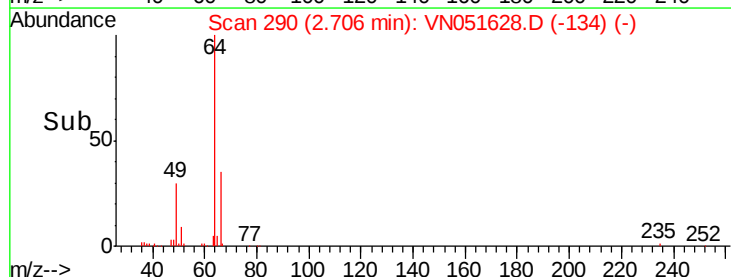
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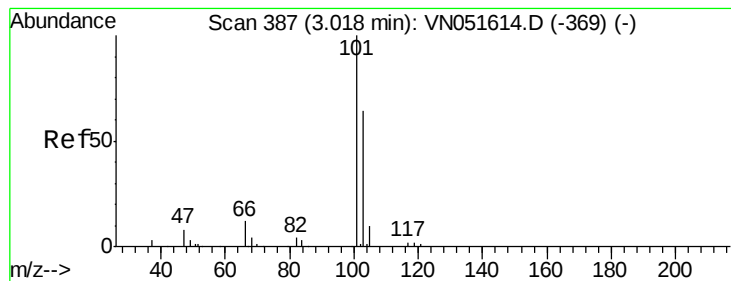
10000

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Time-->

2.60 2.65 2.70 2.75 2.80



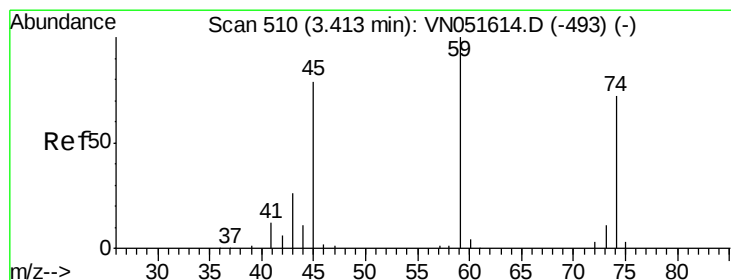
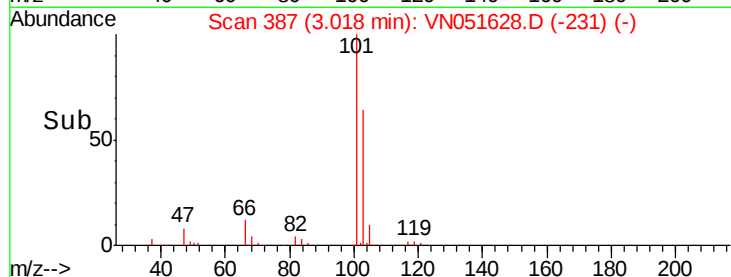
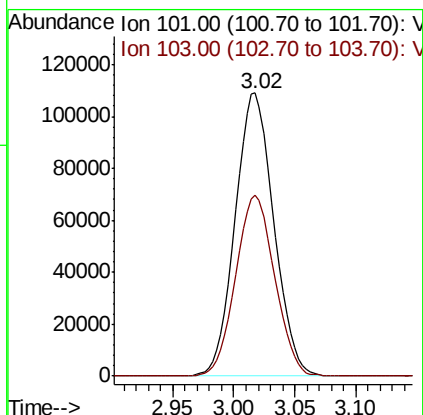
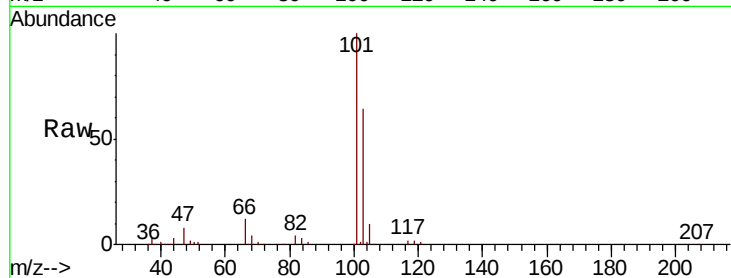


#7

Trichlorofluoromethane
 Concen: 19.492 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051628.D
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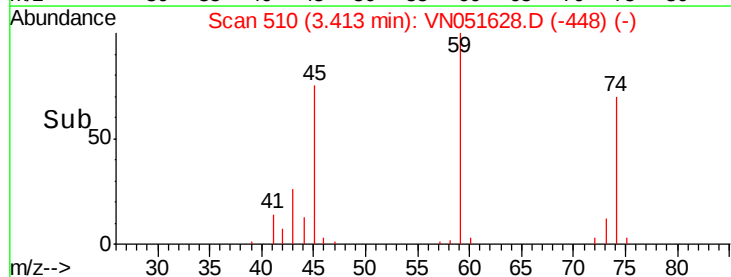
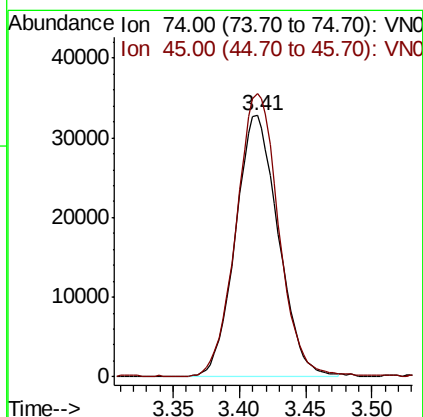
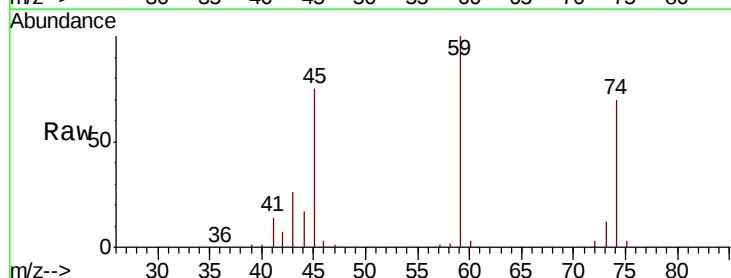
Tot Ion:101 Resp: 239004
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

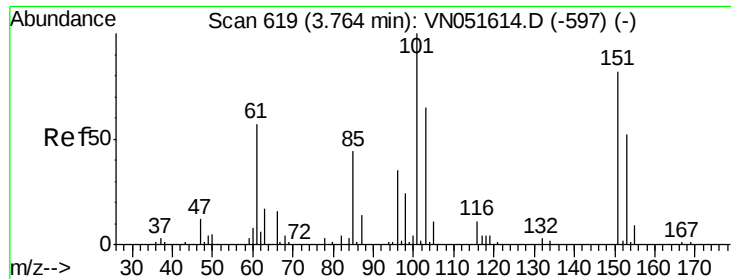


#8

Diethyl Ether
 Concen: 19.176 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 74 Resp: 73853
 Ion Ratio Lower Upper
 74 100
 45 107.7 21.3 191.5

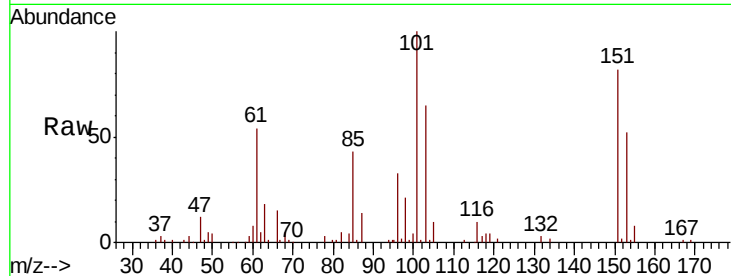




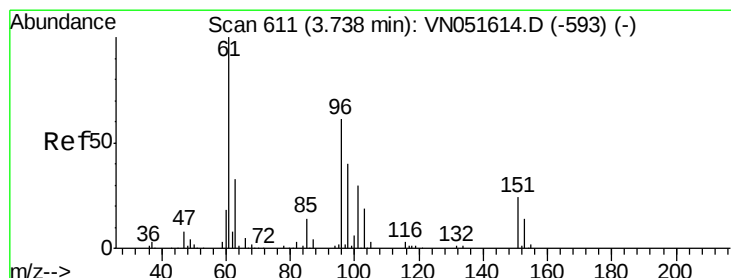
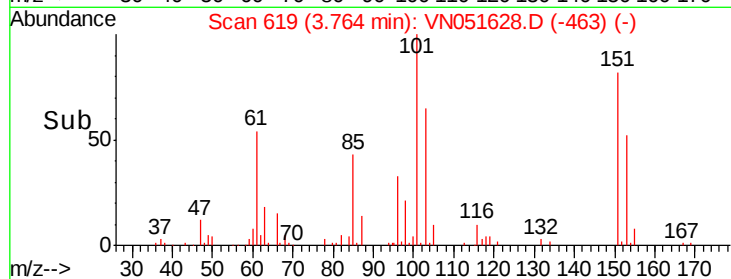
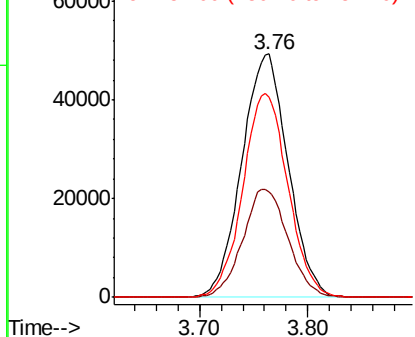
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.185 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
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 ClientSampleId :
 VN1001WBS01

Tot Ion:101 Resp: 146831
 Ion Ratio Lower Upper
 101 100
 85 43.5 0.0 89.4
 151 81.6 0.0 167.6

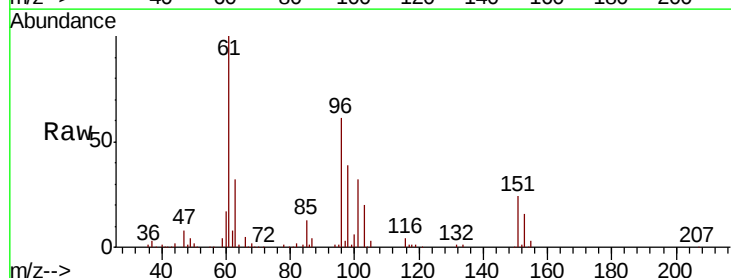


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

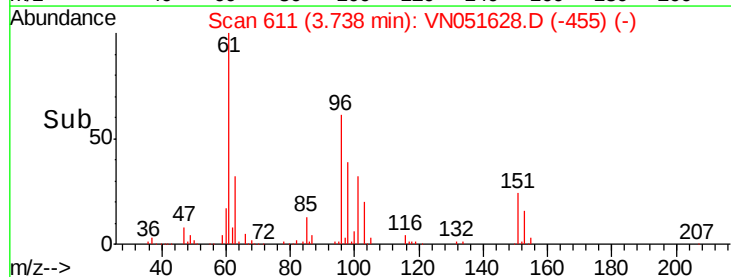
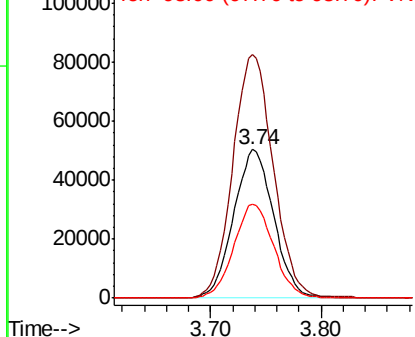


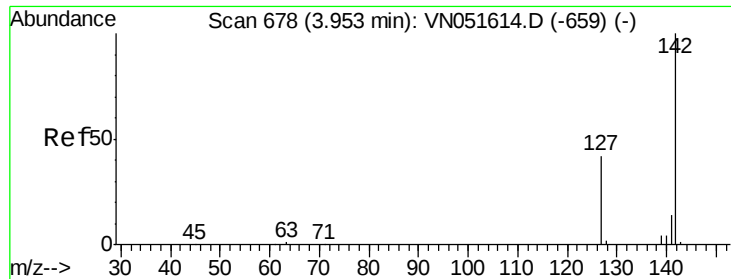
#10
 1,1-Dichloroethene
 Concen: 20.228 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 96 Resp: 127232
 Ion Ratio Lower Upper
 96 100
 61 163.7 131.0 196.4
 98 63.6 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

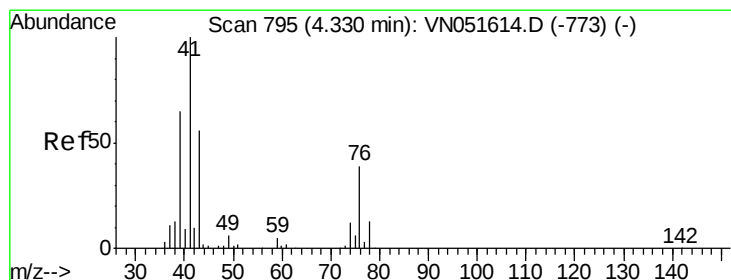
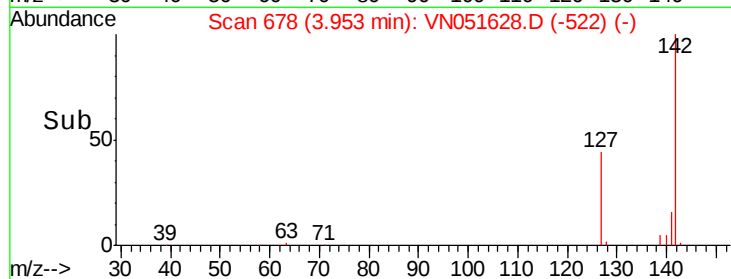
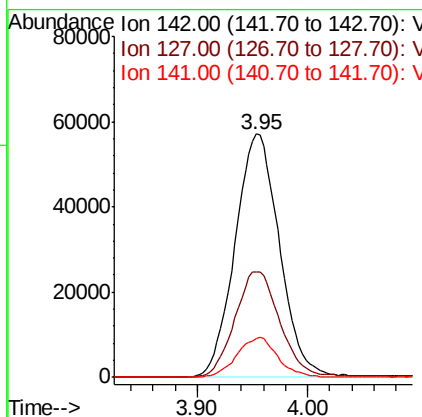
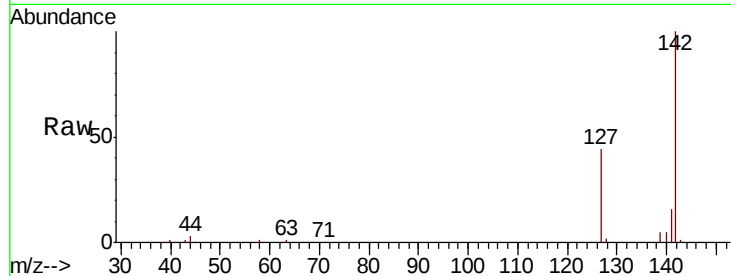




#11
Methvl Iodide
Concen: 19.637 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

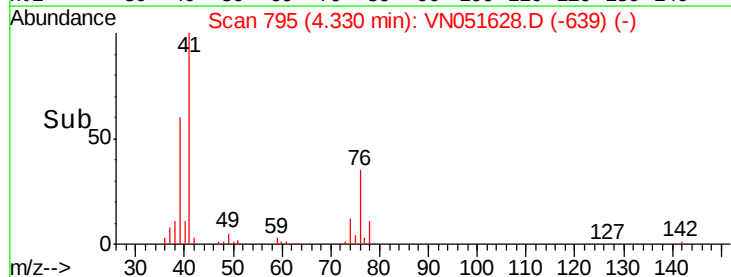
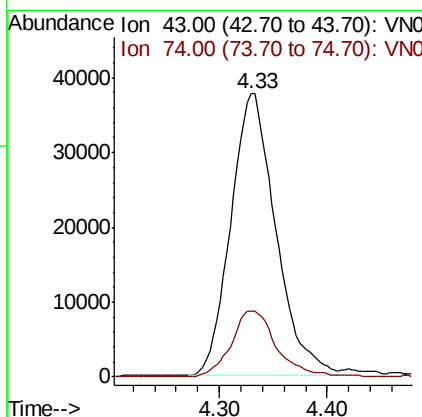
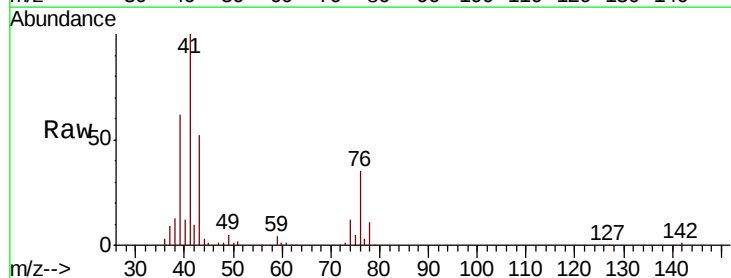
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

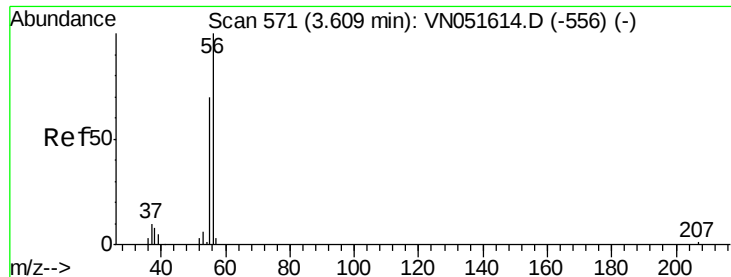
Tot Ion:142 Resp: 158988
Ion Ratio Lower Upper
142 100
127 43.3 21.1 63.1
141 15.7 7.1 21.4



#12
Methyl Acetate
Concen: 19.655 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 43 Resp: 109103
Ion Ratio Lower Upper
43 100
74 23.5 17.0 25.4





#13

Acrolein

Concen: 82.479 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

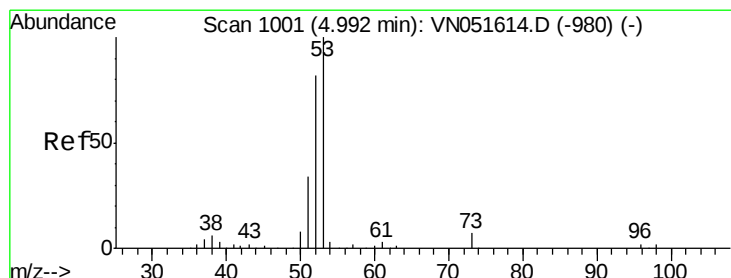
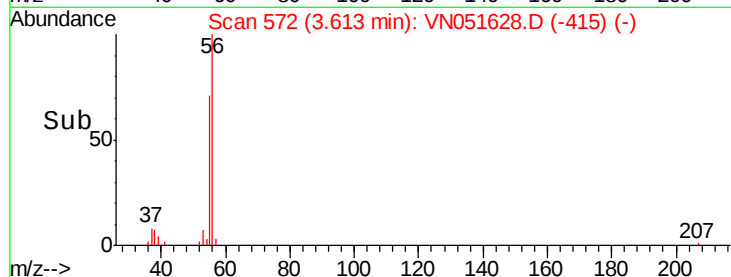
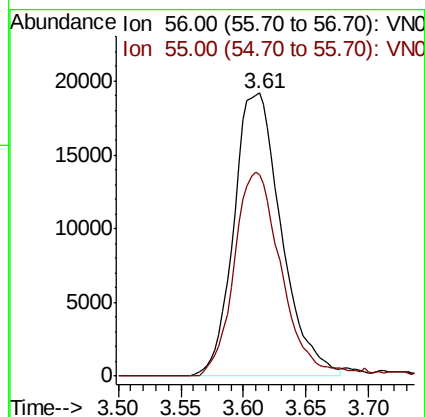
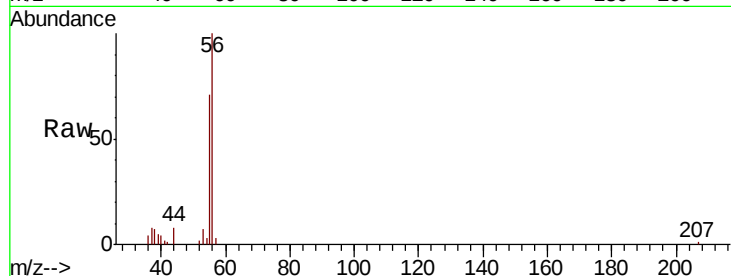
VN1001WBS01

Tot Ion: 56 Resp: 50583

Ion Ratio Lower Upper

56 100

55 70.4 55.8 83.8



#14

Acrylonitrile

Concen: 99.672 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

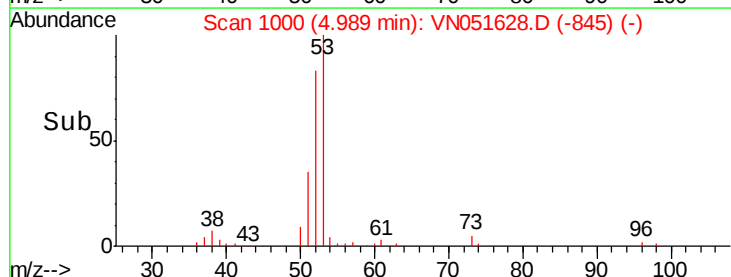
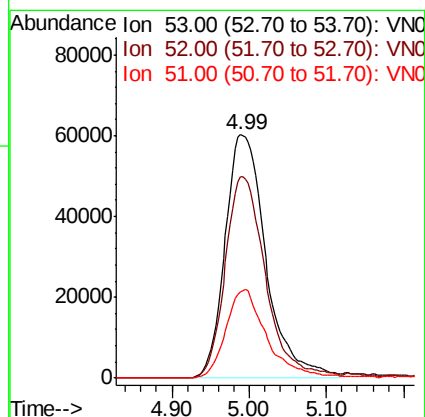
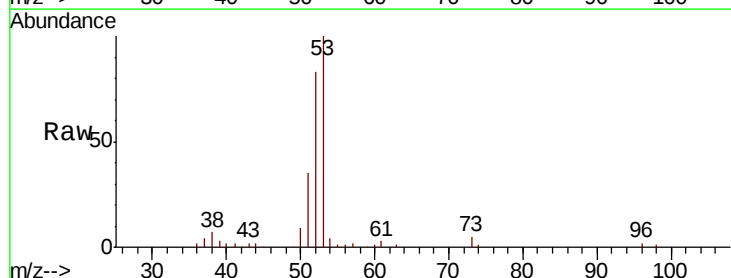
Tgt Ion: 53 Resp: 221580

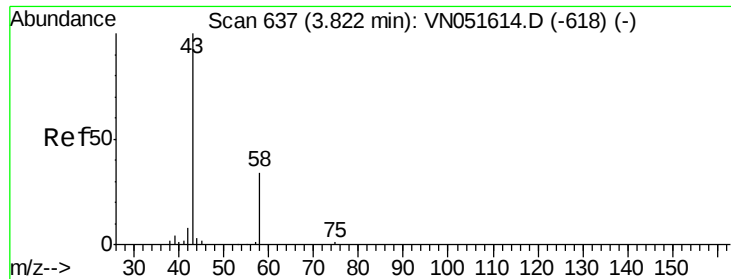
Ion Ratio Lower Upper

53 100

52 79.7 41.3 123.7

51 36.1 17.1 51.2





#15

Acetone

Concen: 99.666 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

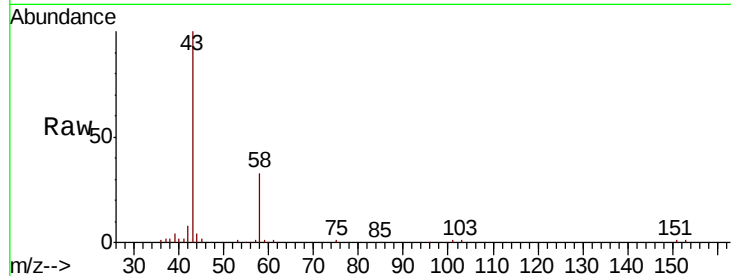
VN1001WBS01

Tot Ion: 58 Resp: 58093

Ion Ratio Lower Upper

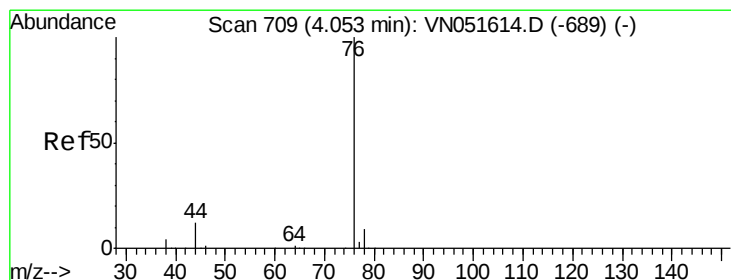
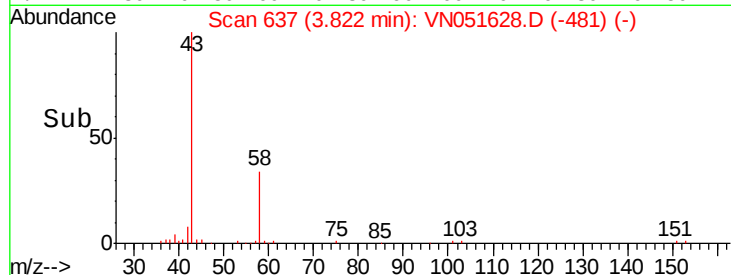
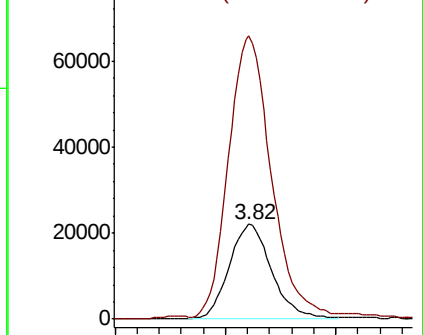
58 100

43 299.9 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN051614.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN051614.D (-618) (-)



#16

Carbon Disulfide

Concen: 19.506 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051628.D

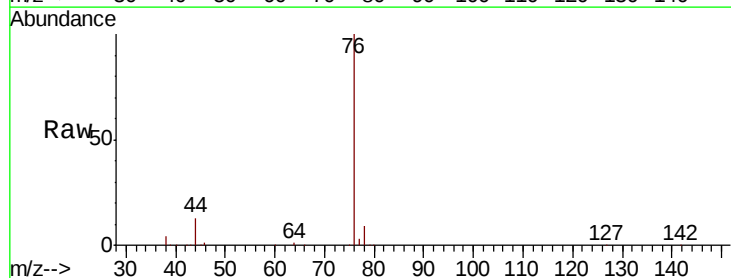
Acq: 1 Oct 2018 11:12

Tgt Ion: 76 Resp: 395357

Ion Ratio Lower Upper

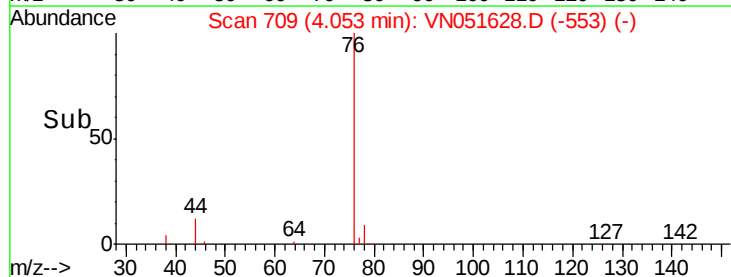
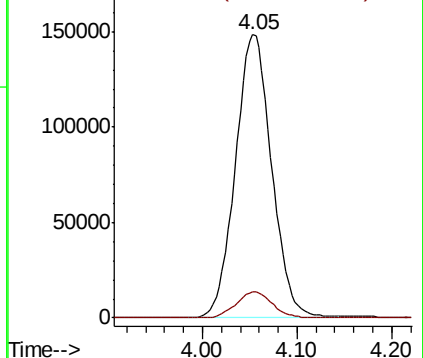
76 100

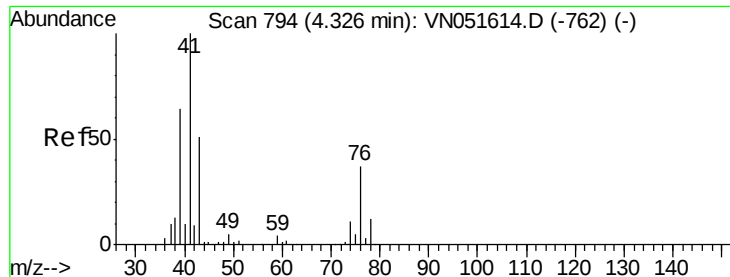
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051614.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051614.D (-689) (-)

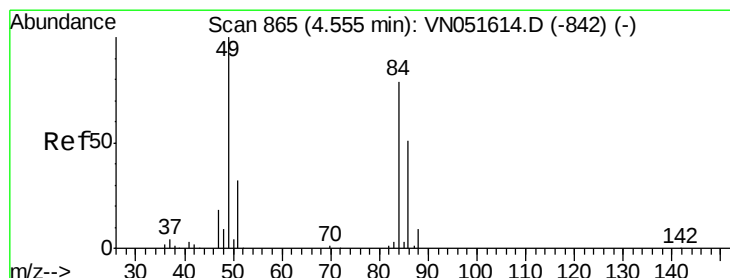
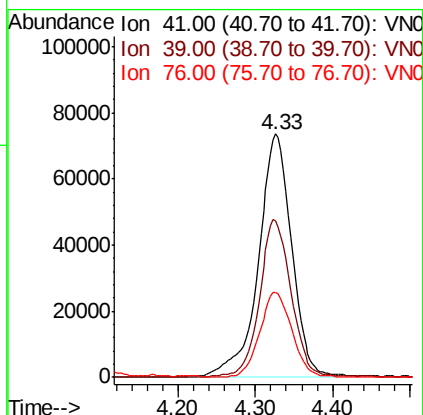
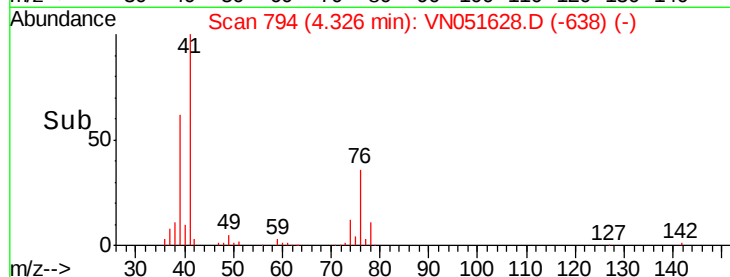
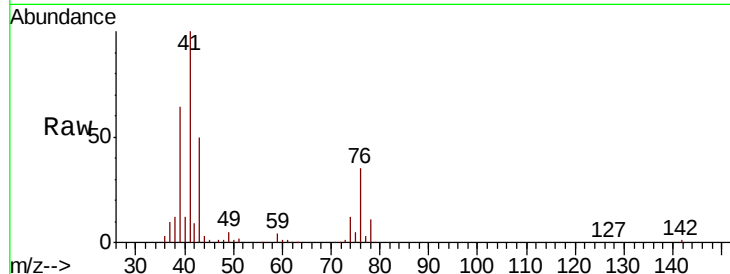




#17
Allvl chloride
Concen: 19.563 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

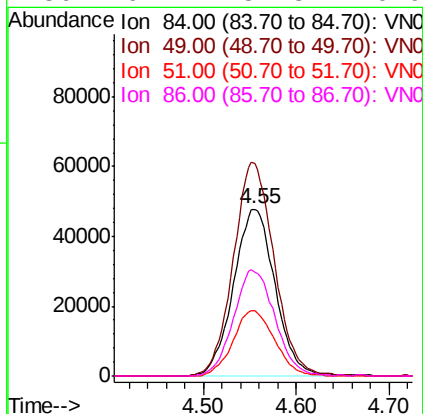
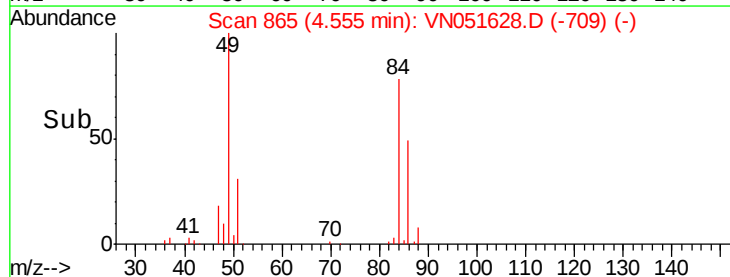
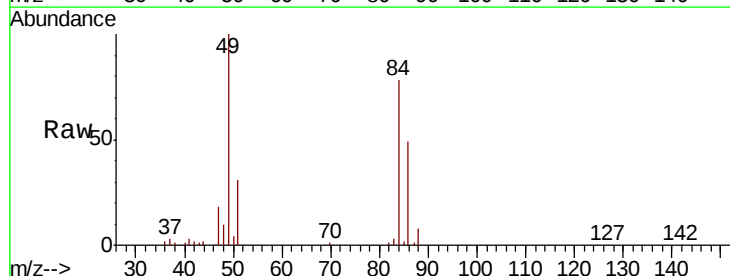
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

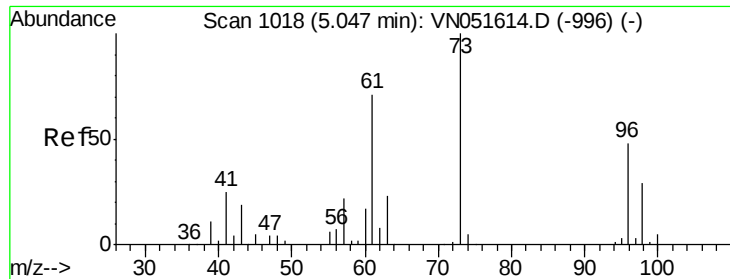
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	31.9	95.9
76	34.6	18.6	56.0



#18
Methylene Chloride
Concen: 20.563 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.9	151.3
51	39.2	32.5	48.7
86	62.7	51.3	76.9

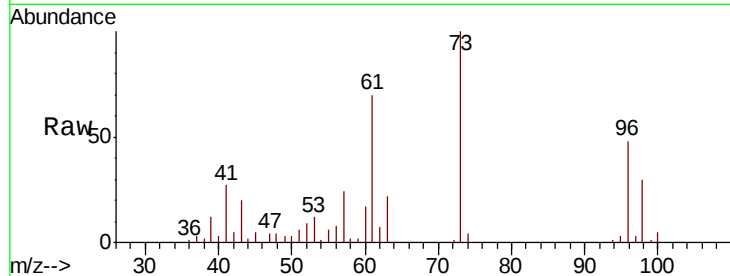




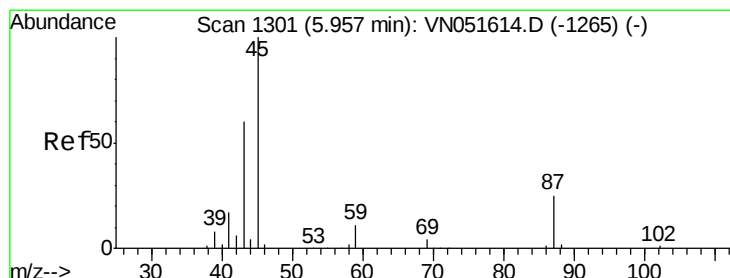
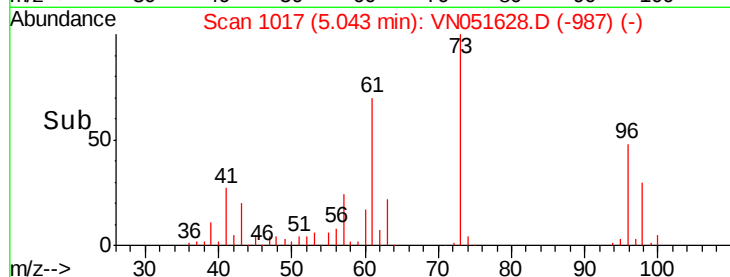
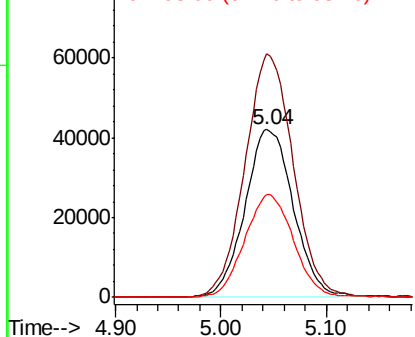
#19
trans-1,2-Dichloroethene
Concen: 20.067 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 96 Resp: 133981
Ion Ratio Lower Upper
96 100
61 145.0 118.0 177.0
98 61.4 49.0 73.4

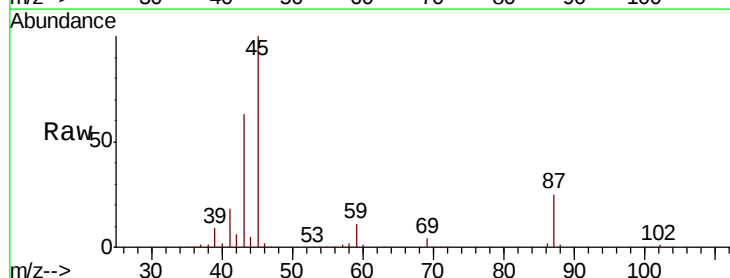


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

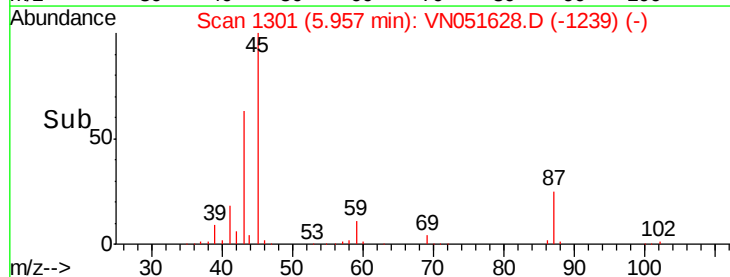
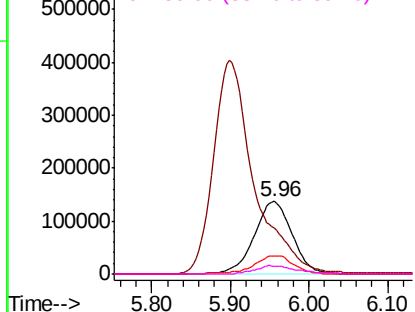


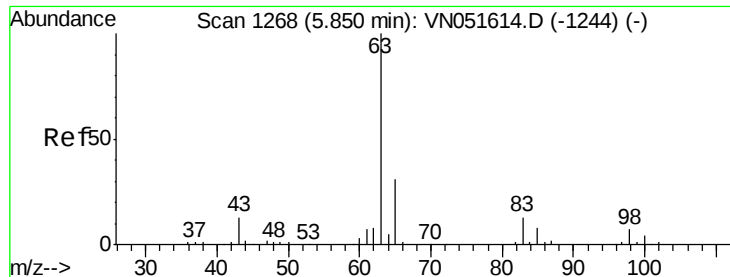
#20
Diisopropyl ether
Concen: 20.803 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 45 Resp: 464327
Ion Ratio Lower Upper
45 100
43 60.2 48.3 72.5
87 24.5 20.8 31.2
59 11.0 8.8 13.2



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

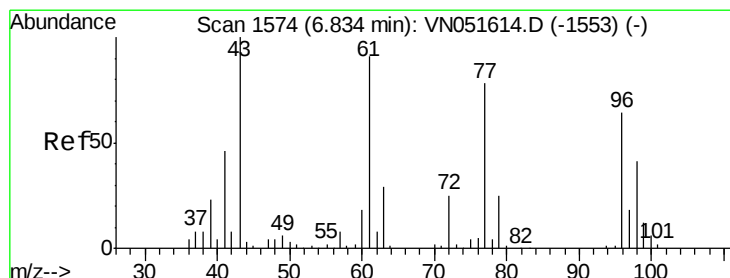
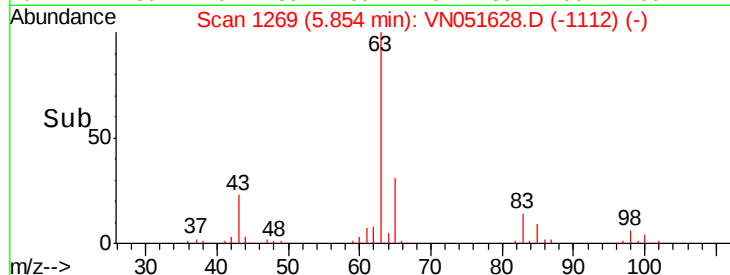
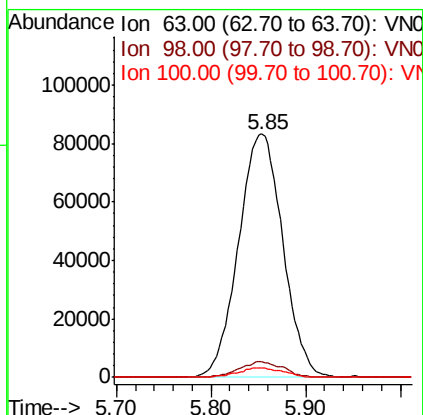
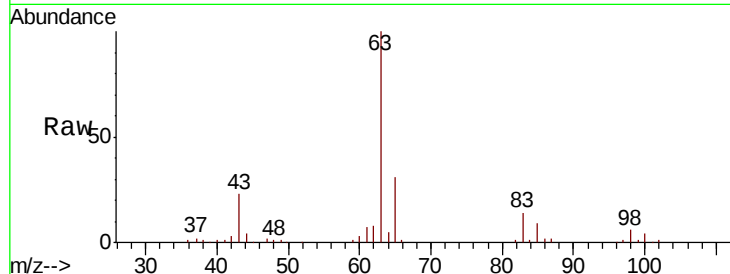




#21
 1,1-Dichloroethane
 Concen: 20.437 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

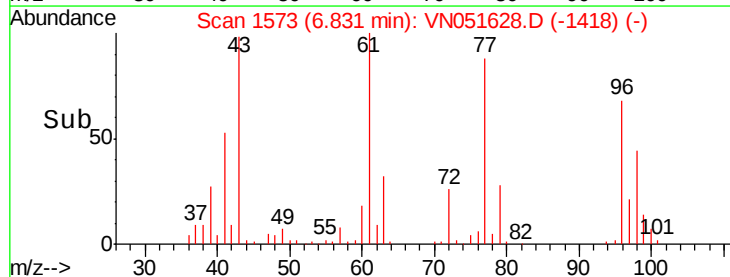
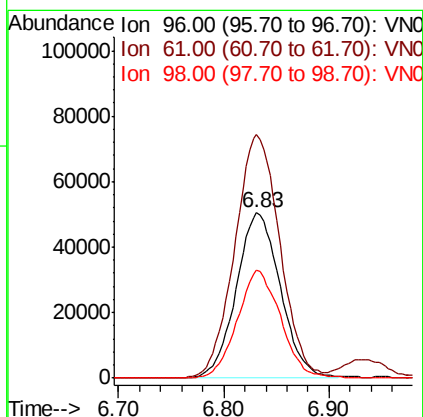
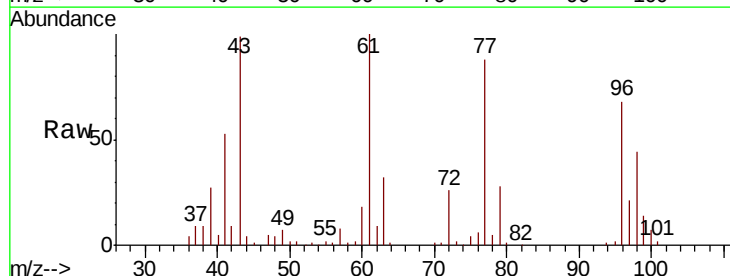
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

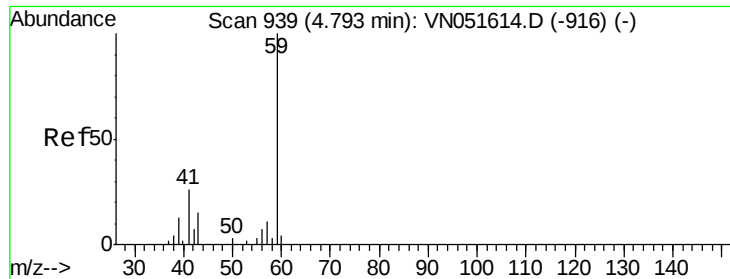
Tot Ion: 63 Resp: 270365
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 3.9 2.0 5.8



#22
 cis-1,2-Dichloroethene
 Concen: 20.144 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 96 Resp: 146887
 Ion Ratio Lower Upper
 96 100
 61 150.6 120.4 180.6
 98 63.5 51.4 77.0





#23

tert-Butyl Alcohol

Concen: 92.894 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

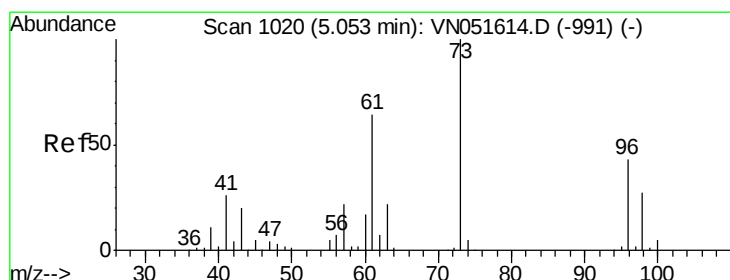
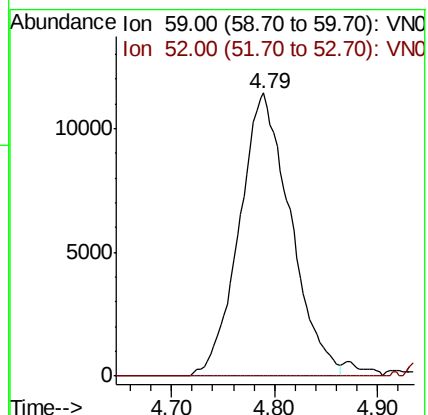
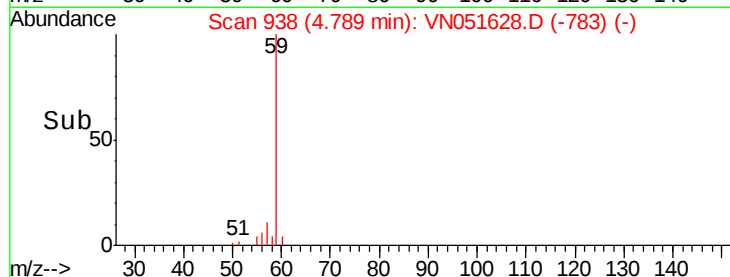
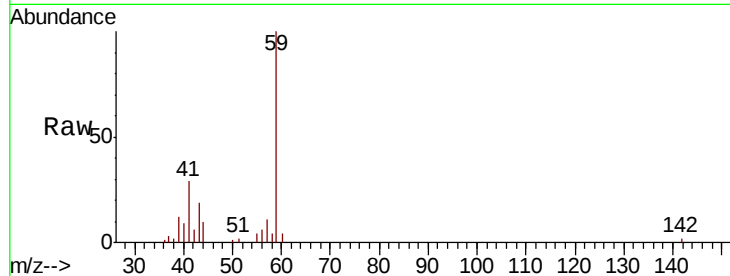
VN1001WBS01

Tot Ion: 59 Resp: 39502

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.790 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051628.D

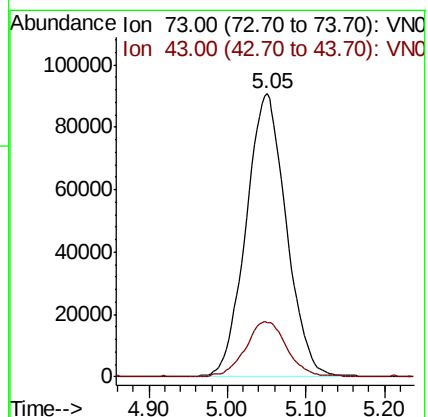
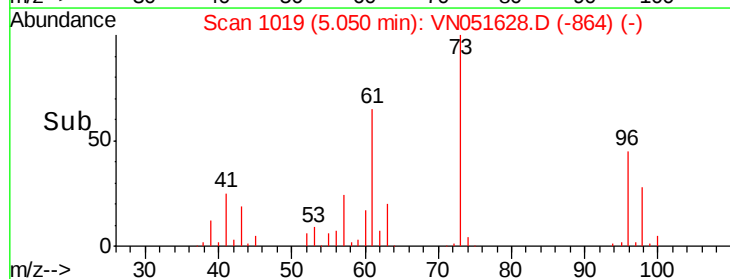
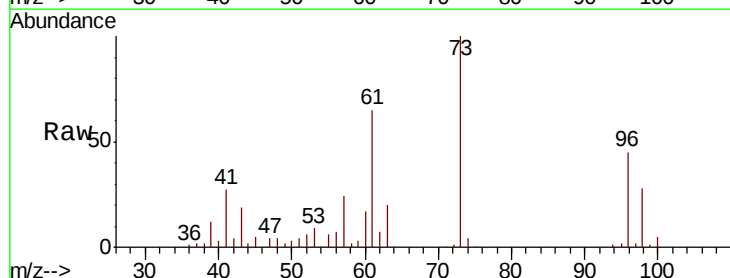
Acq: 1 Oct 2018 11:12

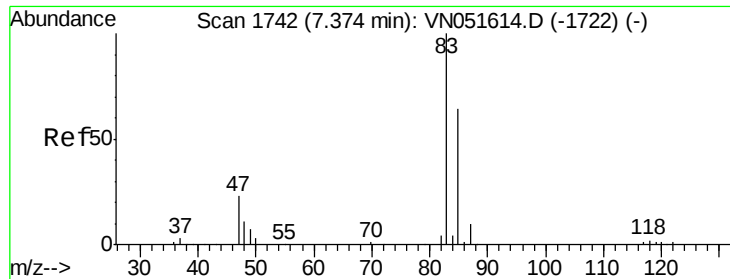
Tgt Ion: 73 Resp: 327136

Ion Ratio Lower Upper

73 100

43 20.2 16.1 24.1

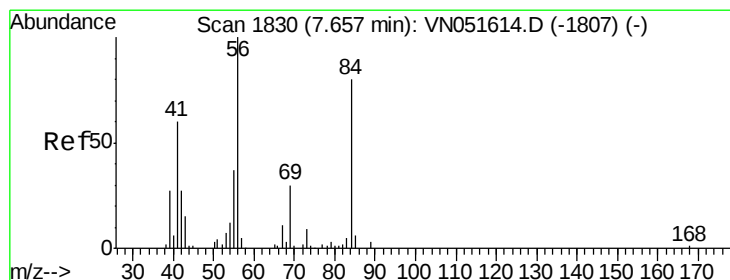
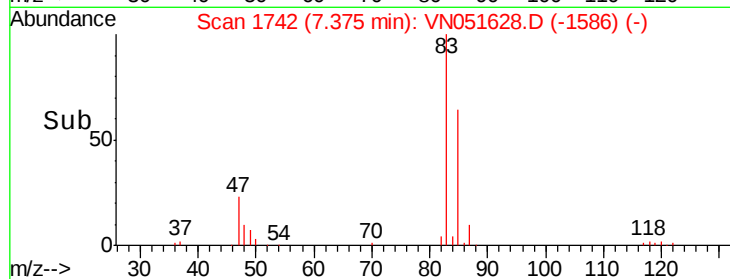
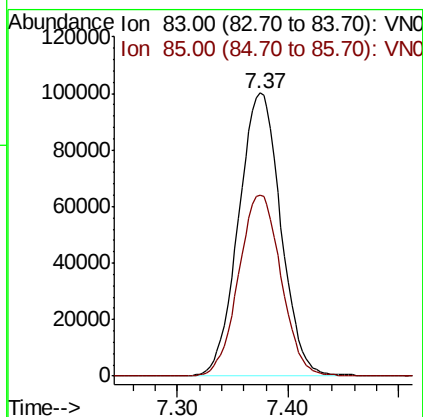
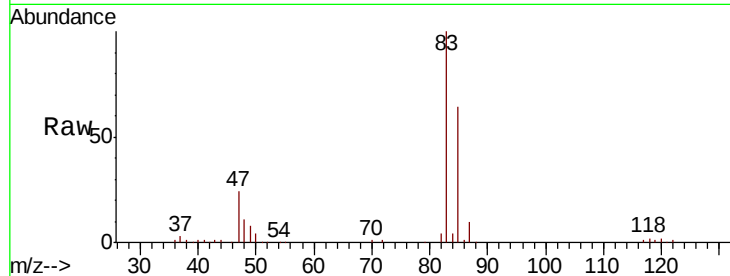




#25
Chloroform
Concen: 20.993 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

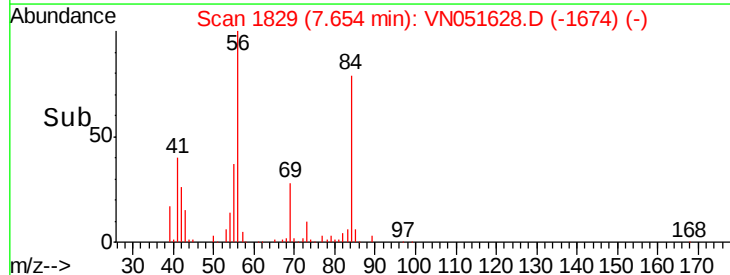
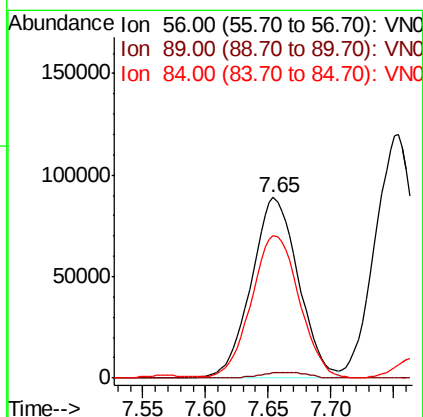
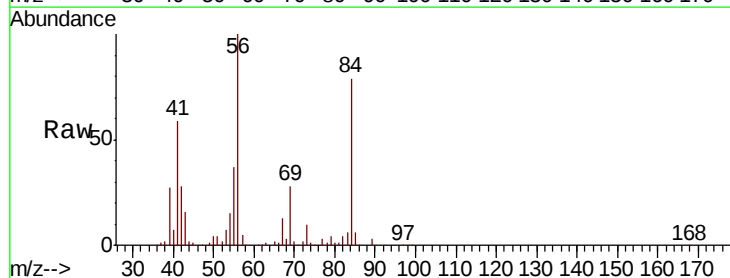
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

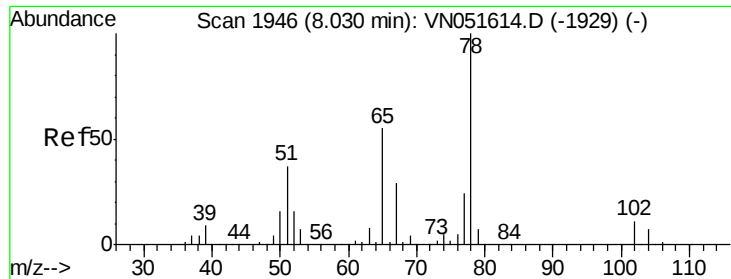
Tot Ion: 83 Resp: 265534
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0



#26
Cyclohexane
Concen: 20.310 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 56 Resp: 232510
Ion Ratio Lower Upper
56 100
89 3.1 2.2 3.2
84 80.7 65.0 97.4

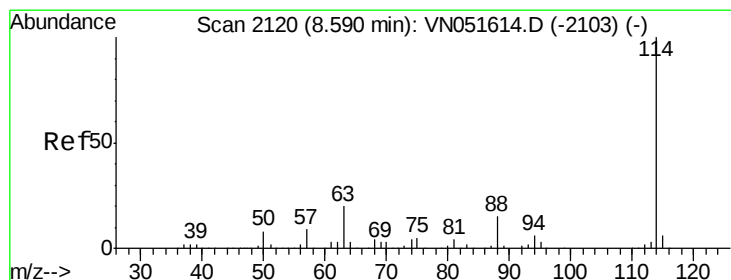
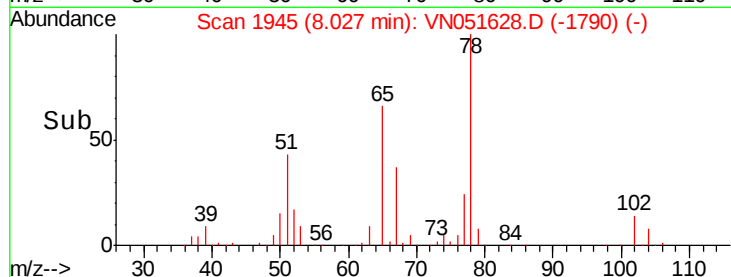
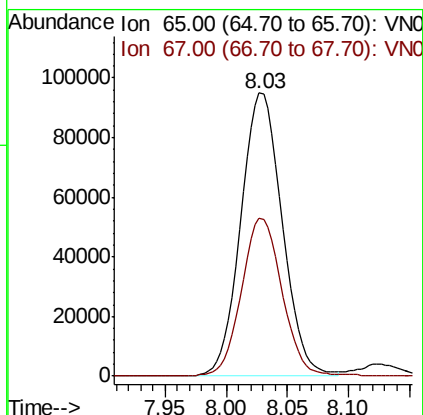
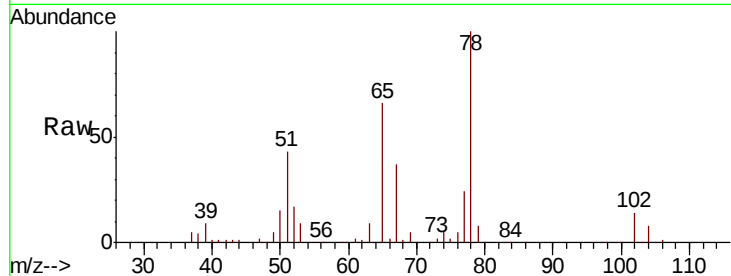




#27
 1,2-Dichloroethane-d4
 Concen: 20.310 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

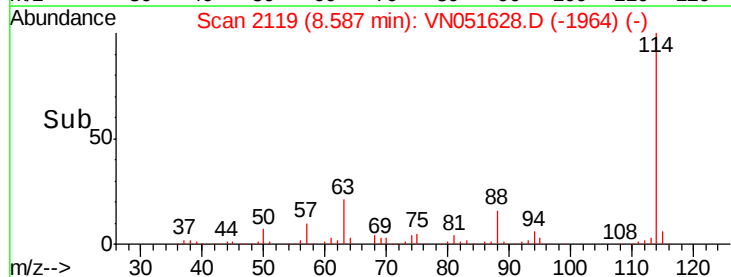
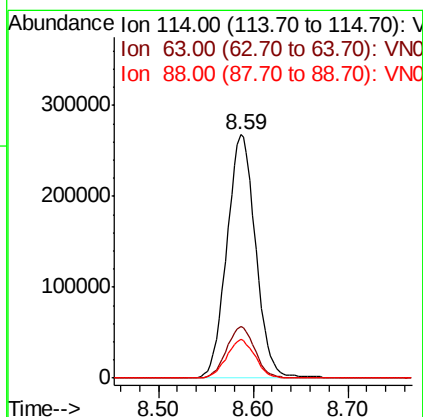
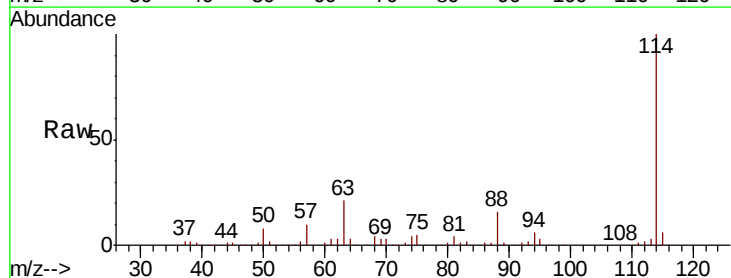
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

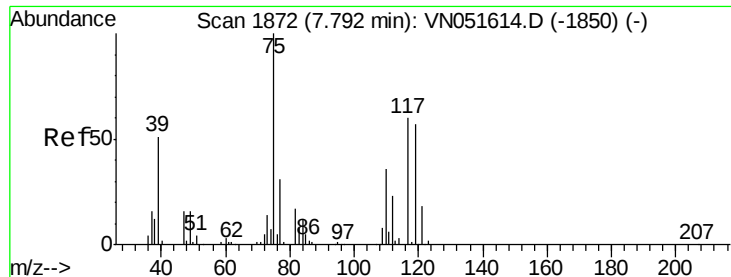
Tot Ion: 65 Resp: 223114
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 114 Resp: 565432
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.4 24.6
 88 15.6 12.6 18.8

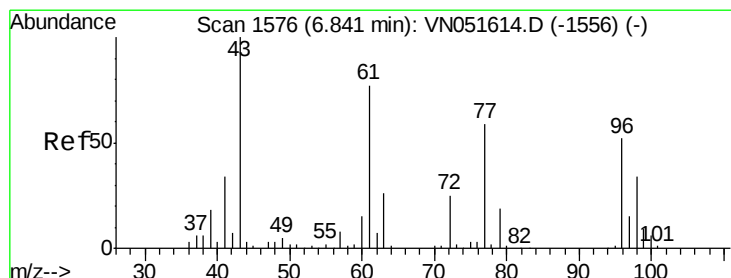
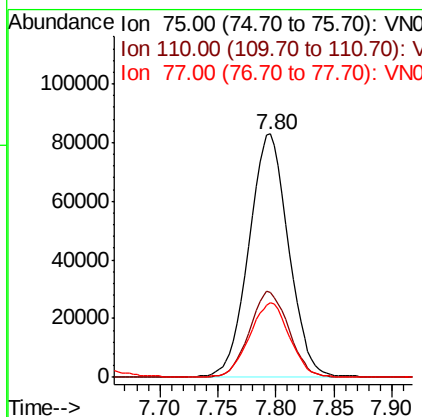
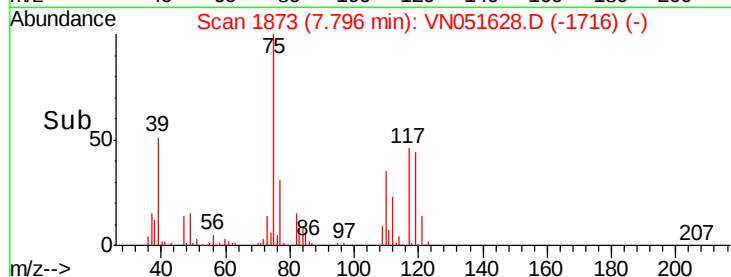
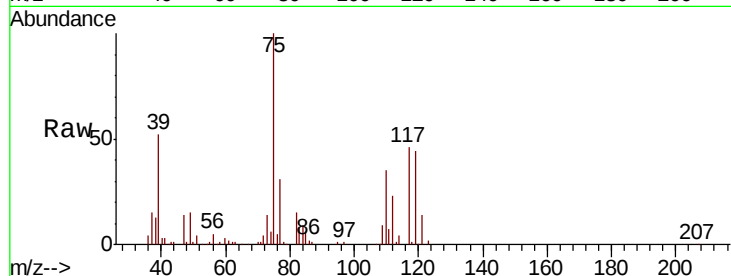




#29
 1,1-Dichloropropene
 Concen: 20.541 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

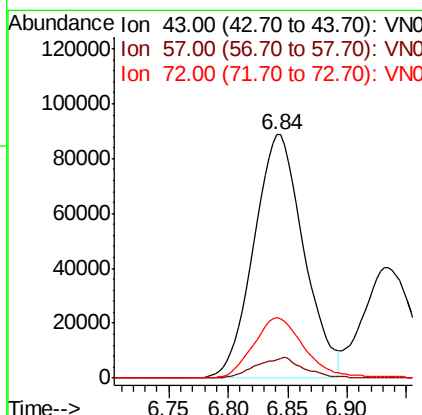
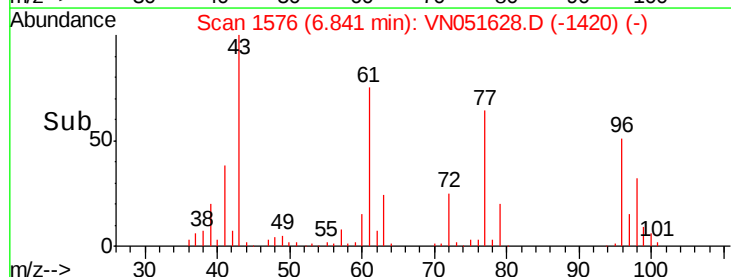
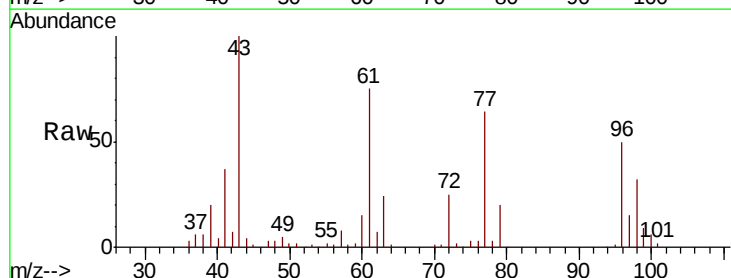
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

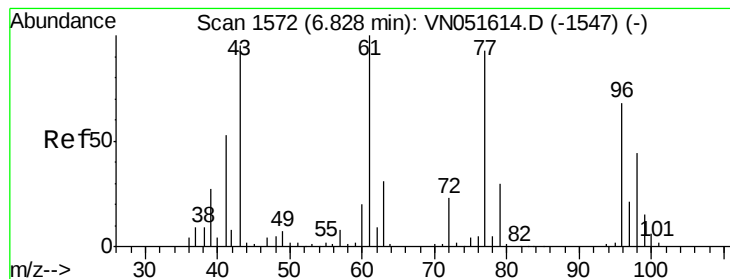
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	71.0
77	31.0	0.0	62.4



#30
 2-Butanone
 Concen: 97.635 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.6	10.0
72	25.8	20.8	31.2





#31

2,2-Dichloropropane

Concen: 20.519 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

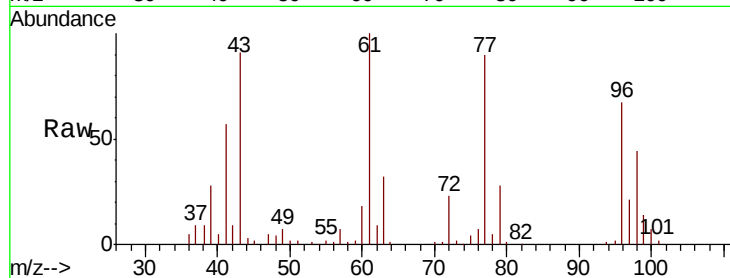
VN1001WBS01

Tot Ion: 77 Resp: 213519

Ion Ratio Lower Upper

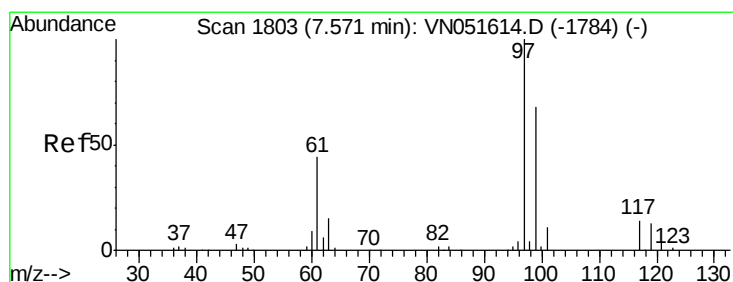
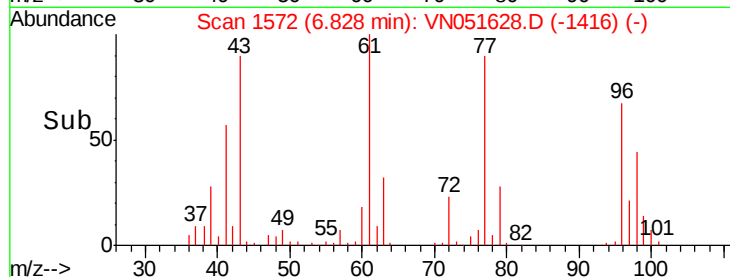
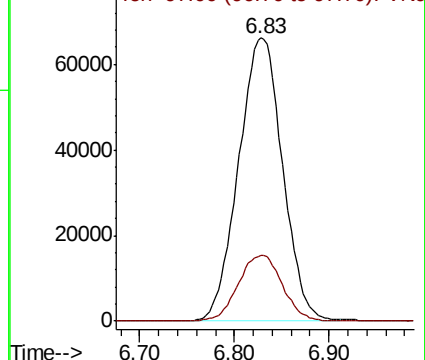
77 100

97 23.2 18.6 28.0



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.335 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

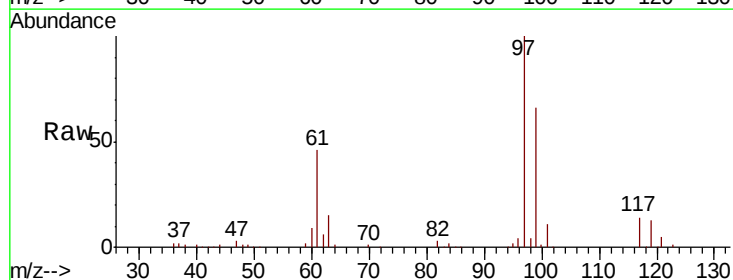
Tgt Ion: 97 Resp: 220292

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.4

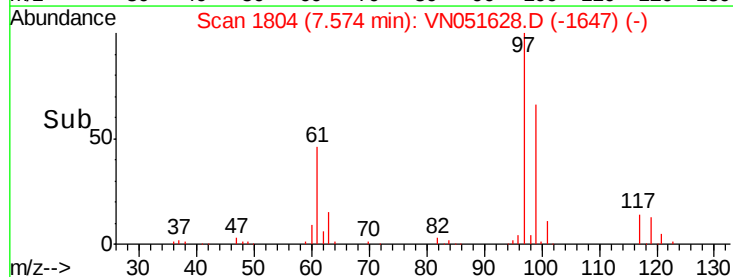
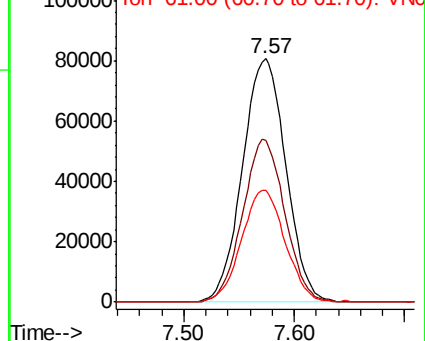
61 46.2 36.2 54.4

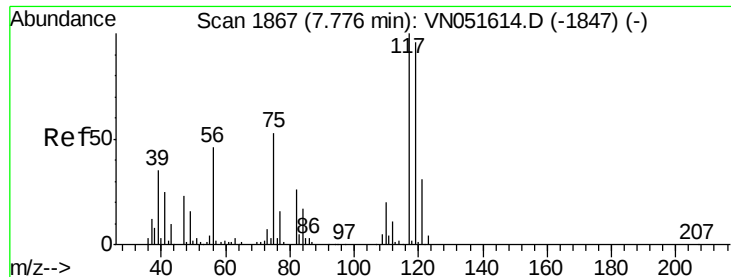


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

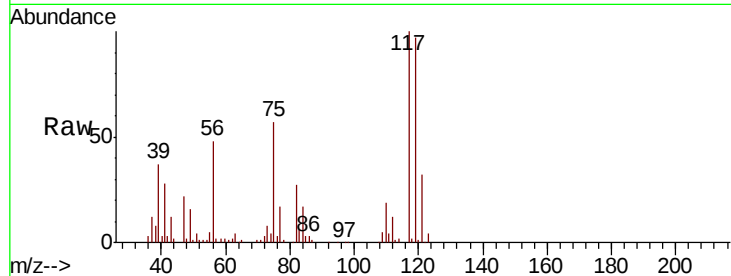




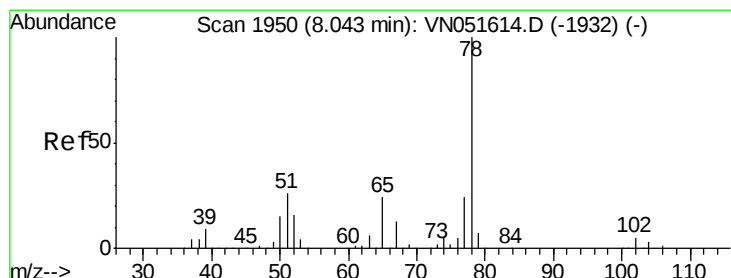
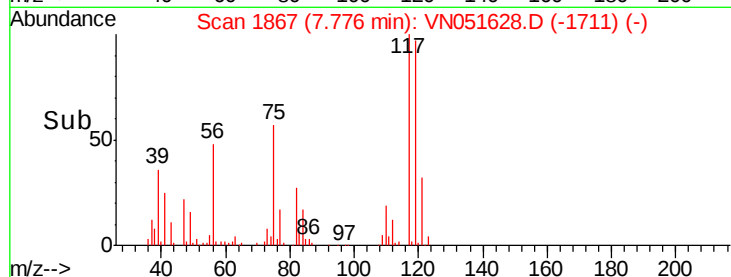
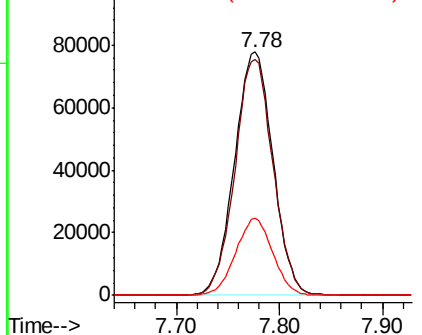
#33
Carbon Tetrachloride
Concen: 20.752 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion:117 Resp: 202057
Ion Ratio Lower Upper
117 100
119 96.7 76.5 114.7
121 31.9 25.0 37.6

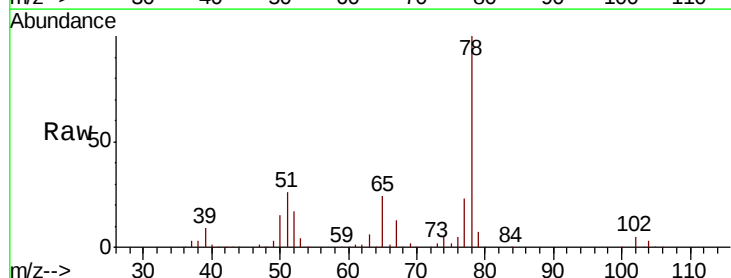


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

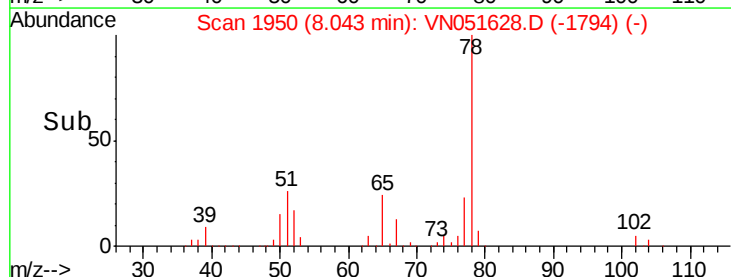
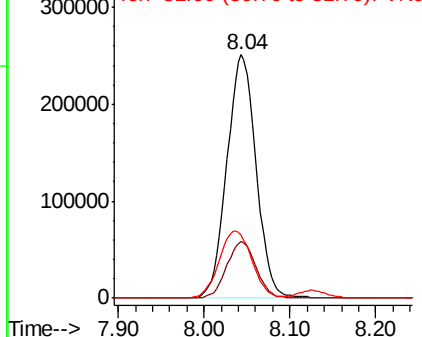


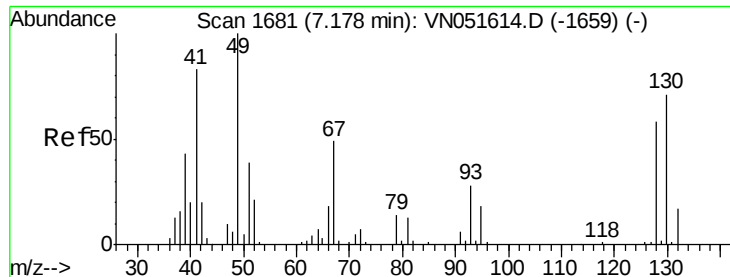
#34
Benzene
Concen: 20.704 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 78 Resp: 592238
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
51 25.7 20.8 31.2



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

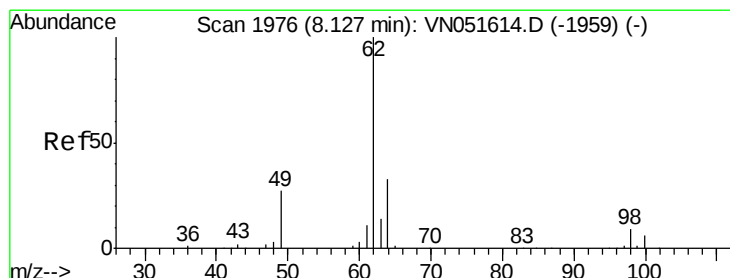
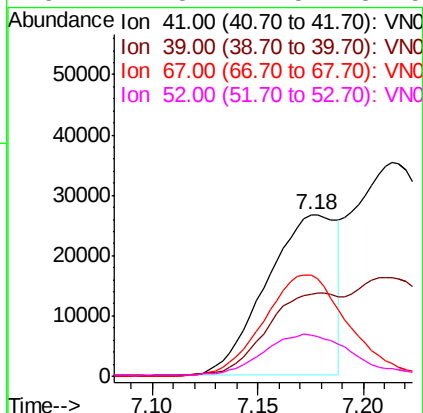
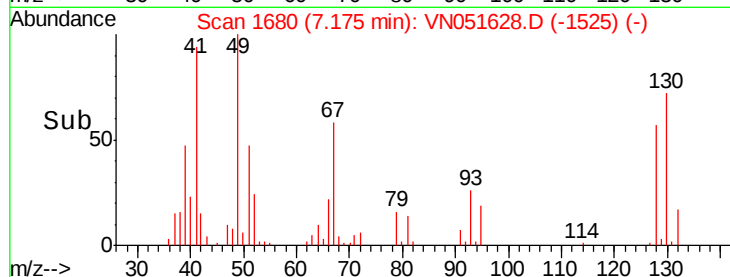
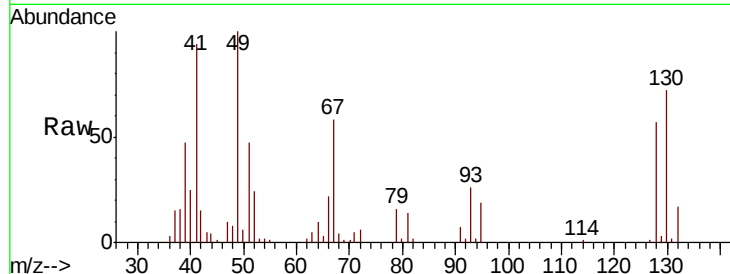




#35
Methacrylonitrile
Concen: 20.752 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

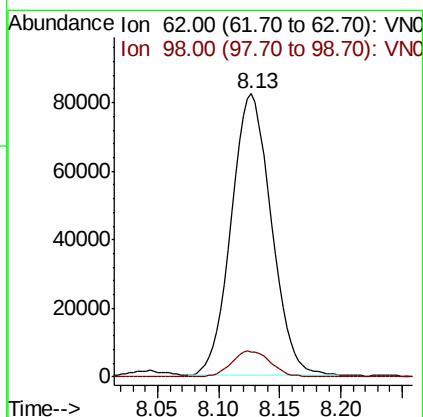
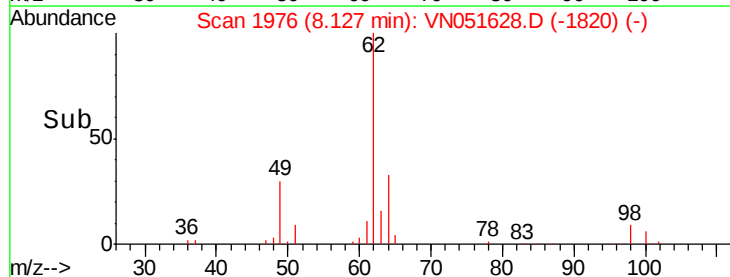
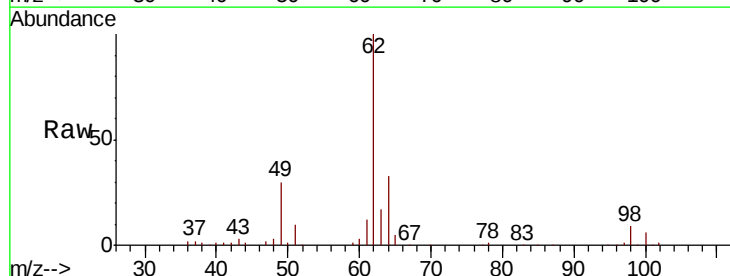
Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

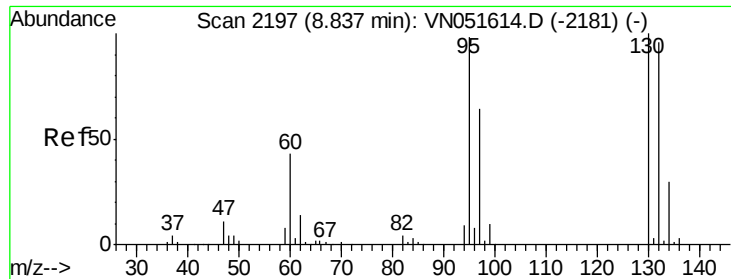
Tot Ion: 41 Resp: 61224
Ion Ratio Lower Upper
41 100
39 50.0 25.6 76.8
67 62.1 29.4 88.2
52 24.8 12.5 37.5



#36
1,2-Dichloroethane
Concen: 20.488 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 62 Resp: 186813
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

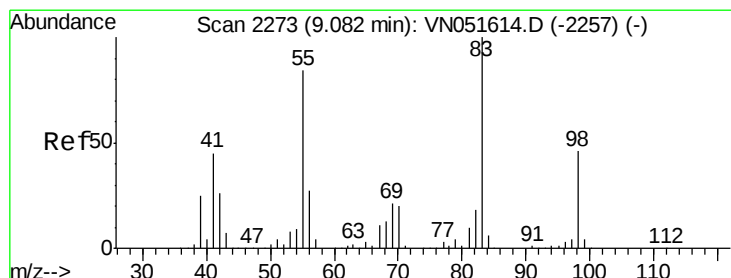
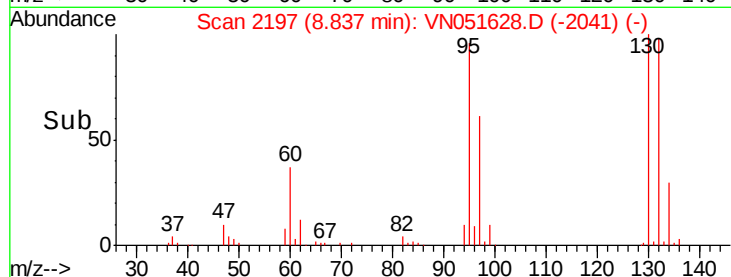
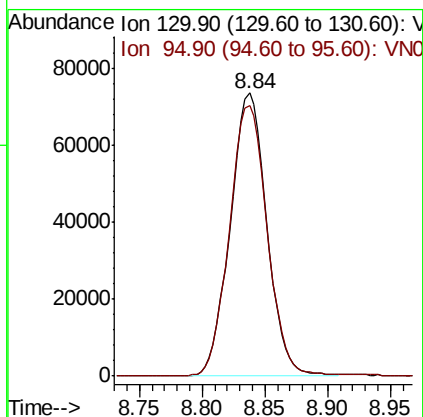
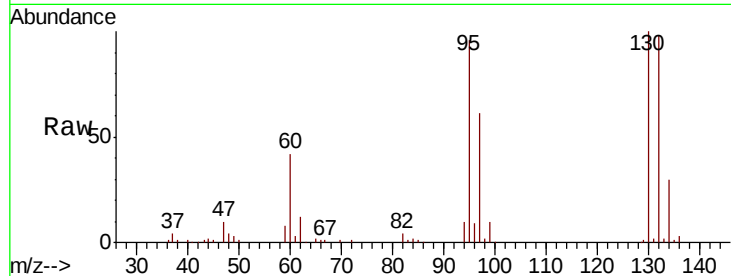




#37
 Trichloroethene
 Concen: 20.348 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

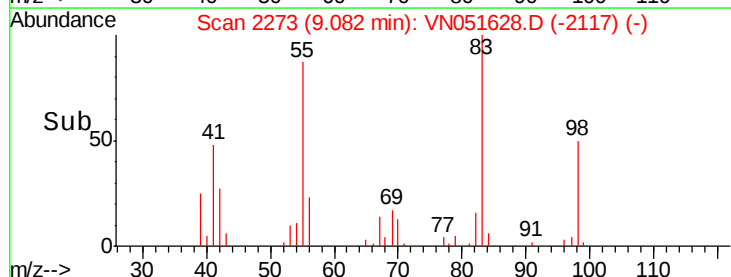
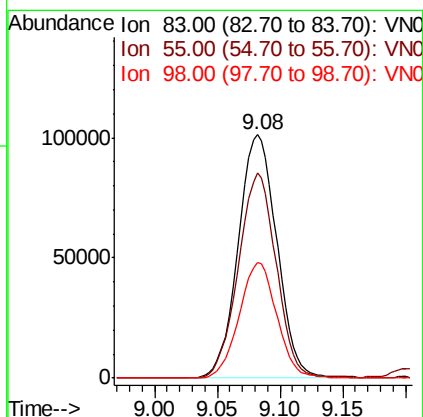
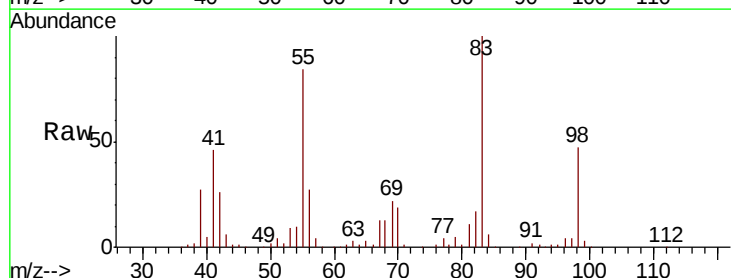
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

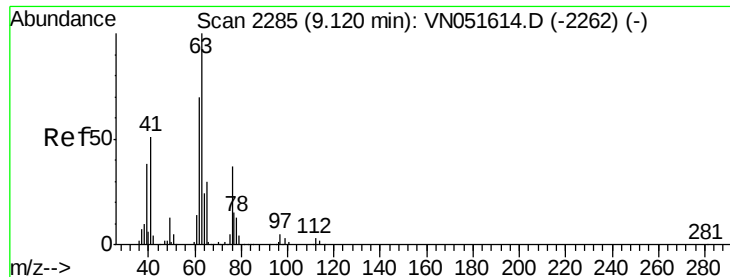
Tot Ion:130 Resp: 149439
 Ion Ratio Lower Upper
 130 100
 95 95.4 78.4 117.6



#38
 Methylcyclohexane
 Concen: 19.478 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 83 Resp: 216712
 Ion Ratio Lower Upper
 83 100
 55 82.5 41.6 124.9
 98 46.1 23.1 69.2





#39

1,2-Dichloropropane

Concen: 21.006 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

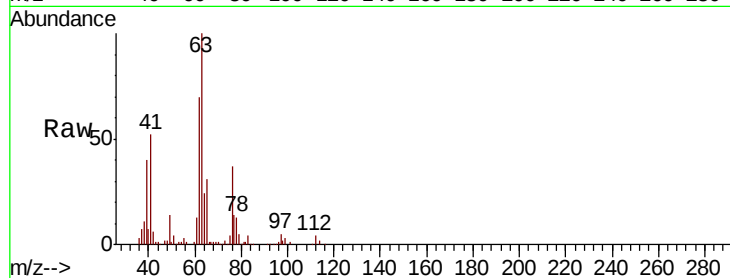
VN1001WBS01

Tot Ion: 63 Resp: 164649

Ion Ratio Lower Upper

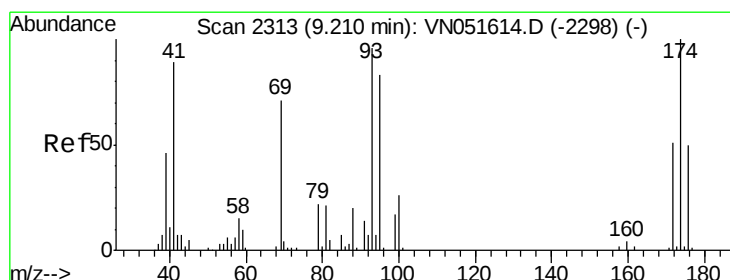
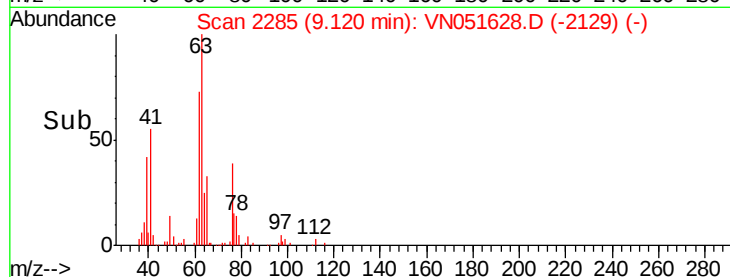
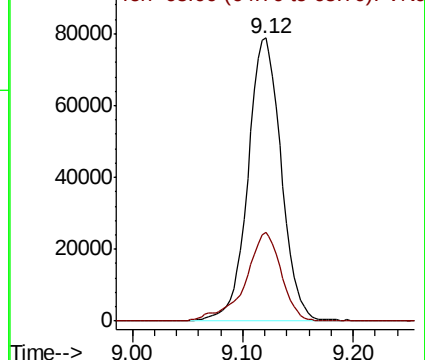
63 100

65 31.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.317 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

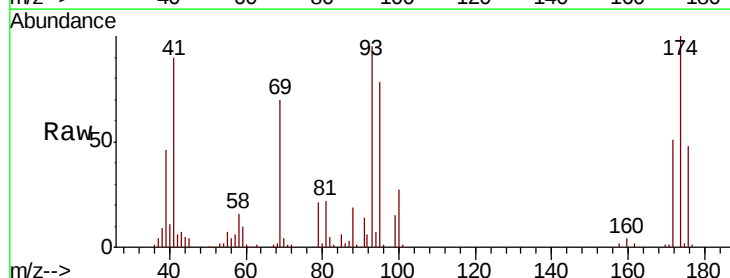
Tgt Ion: 93 Resp: 88461

Ion Ratio Lower Upper

93 100

95 83.8 0.0 171.0

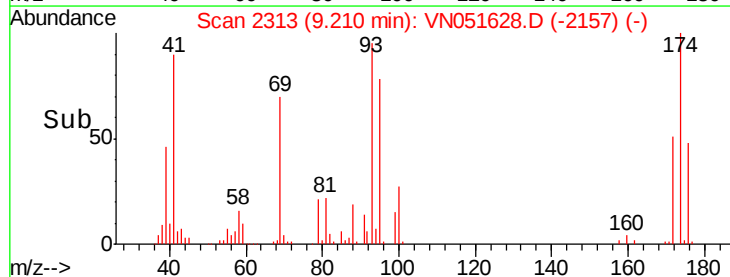
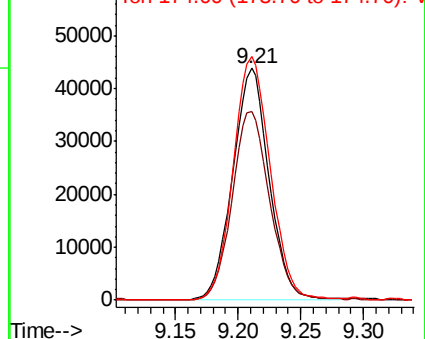
174 107.3 0.0 212.0

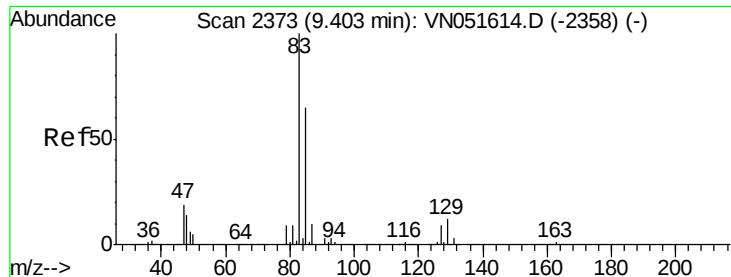


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

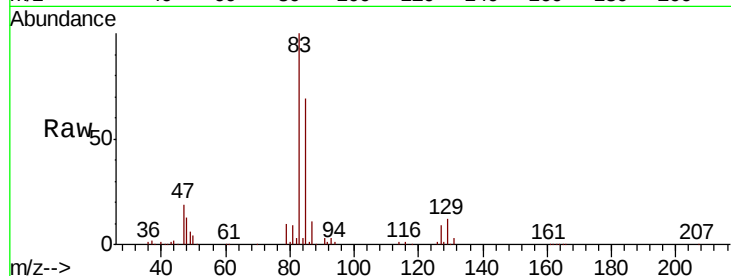




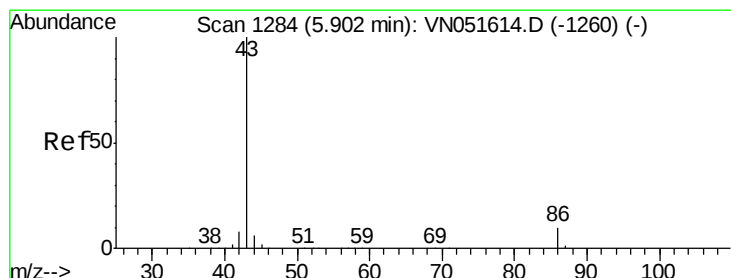
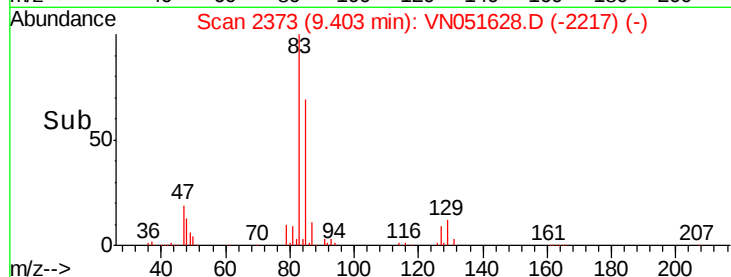
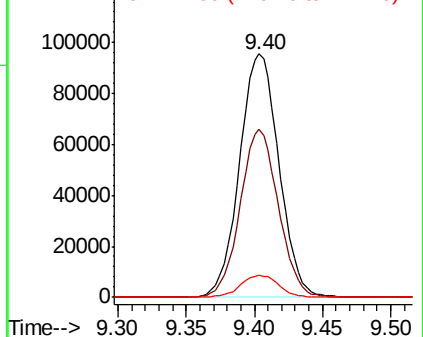
#41
Bromodichloromethane
Concen: 20.187 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 83 Resp: 191862
Ion Ratio Lower Upper
83 100
85 68.8 52.1 78.1
127 8.9 7.1 10.7

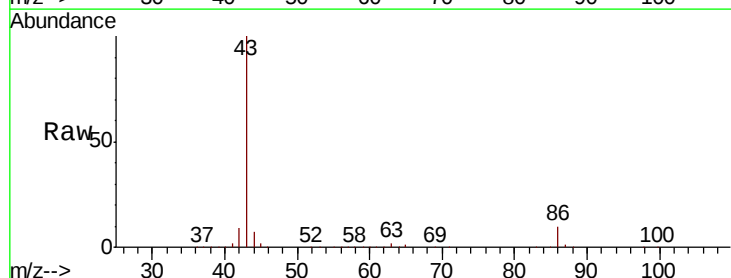


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO

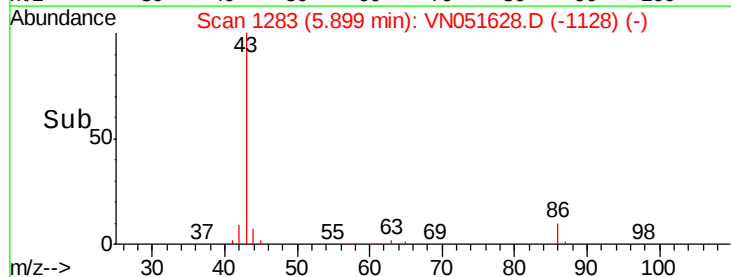
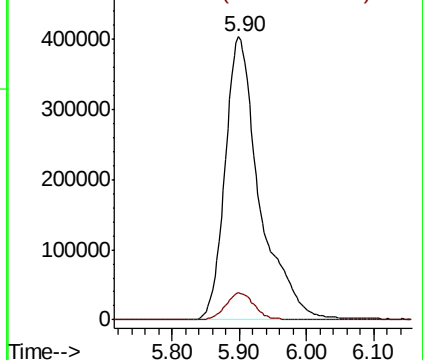


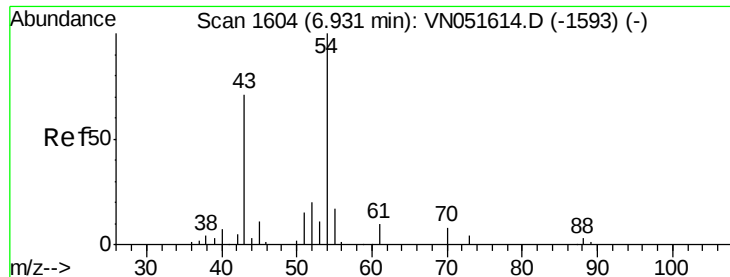
#42
Vinyl Acetate
Concen: 98.182 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 43 Resp: 1434343
Ion Ratio Lower Upper
43 100
86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

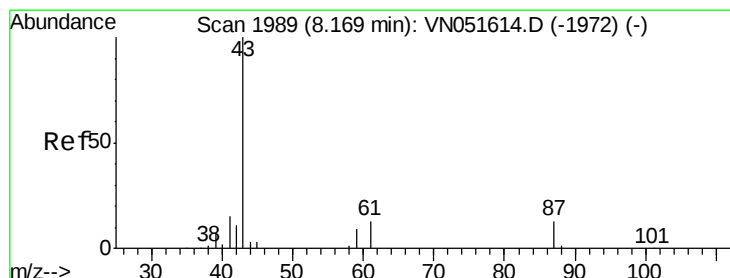
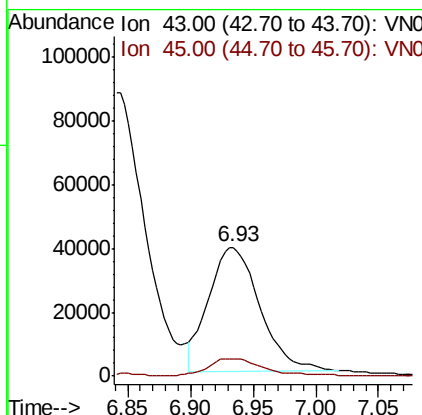
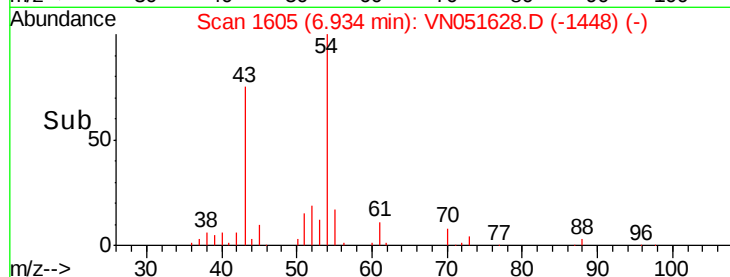
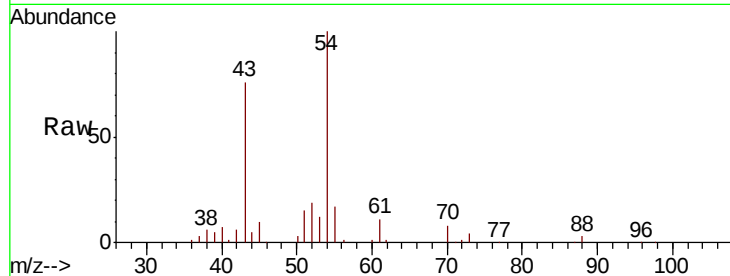




#43
Ethyl Acetate
Concen: 19.818 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

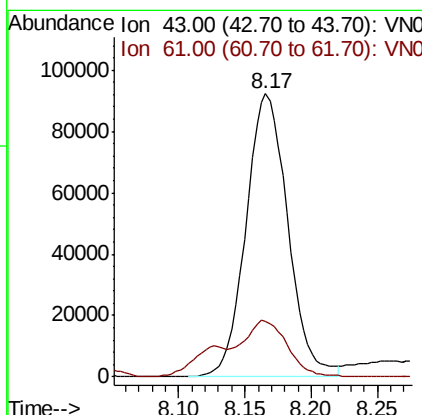
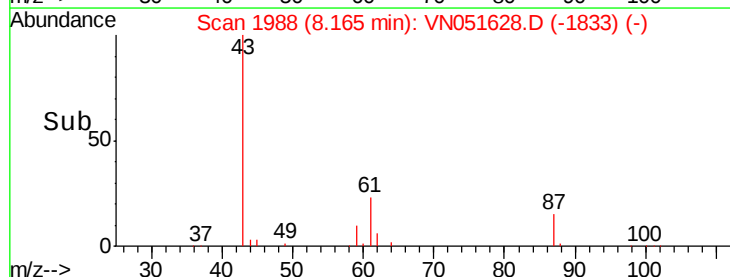
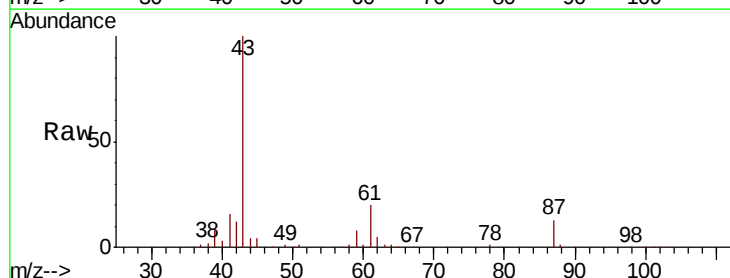
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

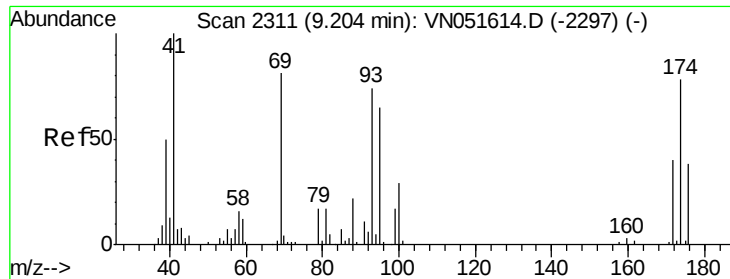
Tot Ion: 43 Resp: 110081
Ion Ratio Lower Upper
43 100
45 5.6 10.6 16.0#



#44
Isopropyl Acetate
Concen: 18.577 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 43 Resp: 202044
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0





#45

1,4-Dioxane

Concen: 397.281 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

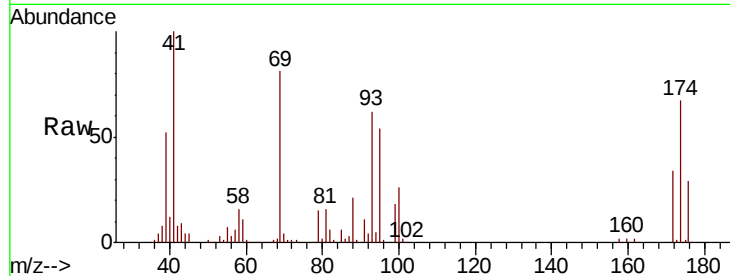
Tot Ion: 88 Resp: 23373

Ion Ratio Lower Upper

88 100

43 32.0 29.0 43.6

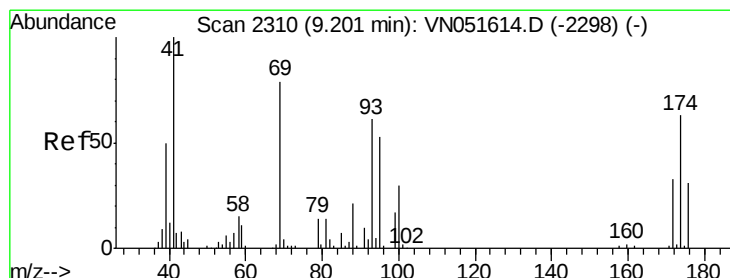
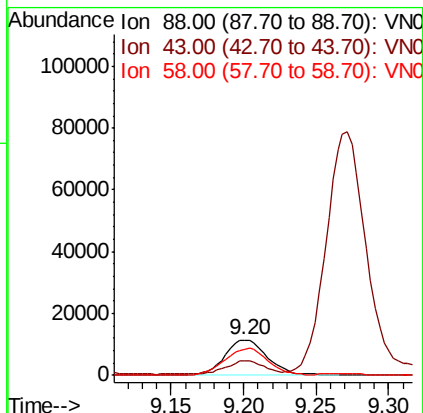
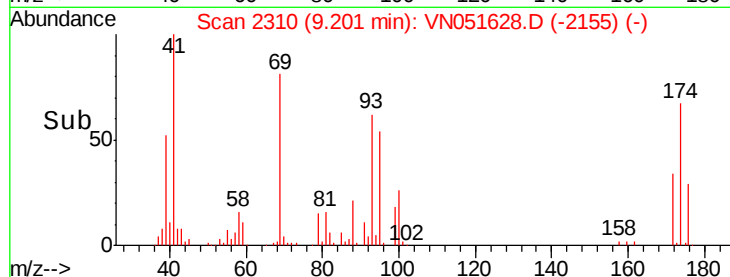
58 77.4 59.0 88.6



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



#46

Methyl methacrylate

Concen: 19.317 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

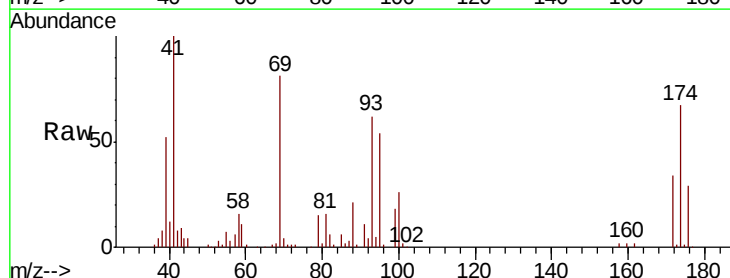
Tgt Ion: 41 Resp: 97729

Ion Ratio Lower Upper

41 100

69 81.9 39.6 118.7

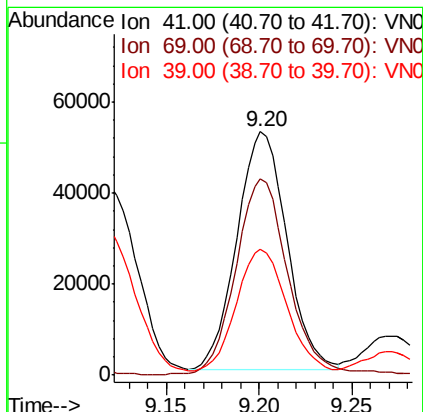
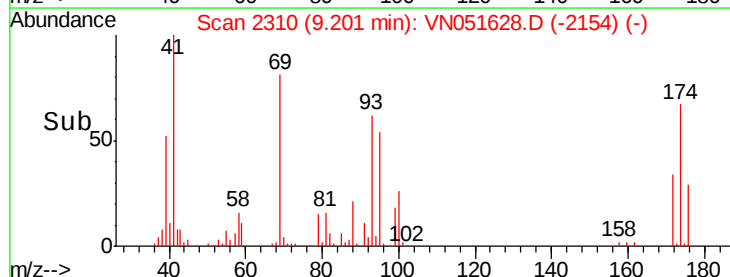
39 51.3 24.9 74.6

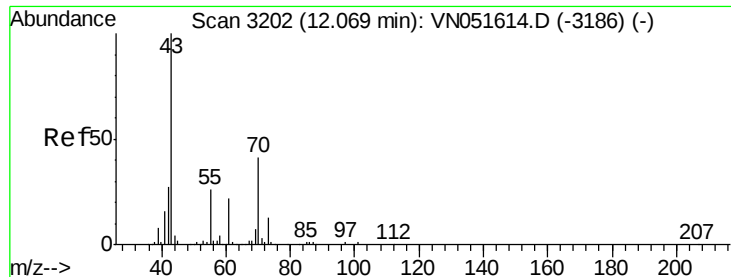


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

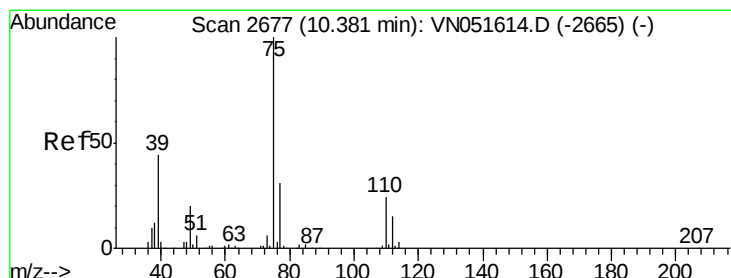
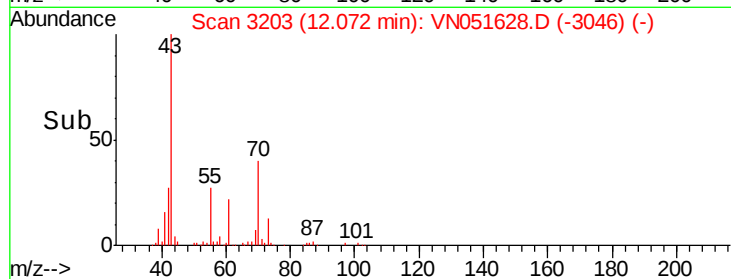
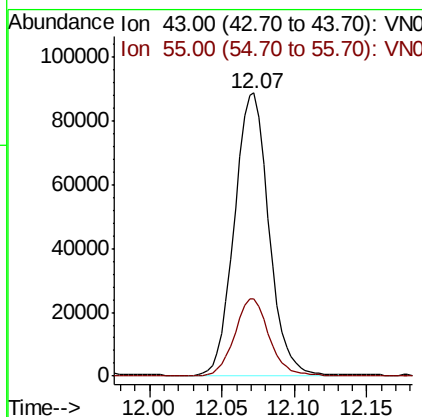
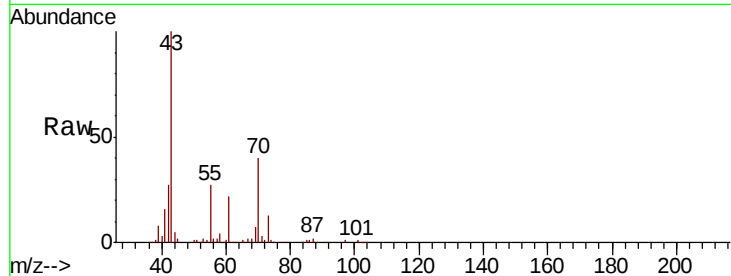




#47
n-amvl Acetate
Concen: 17.949 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

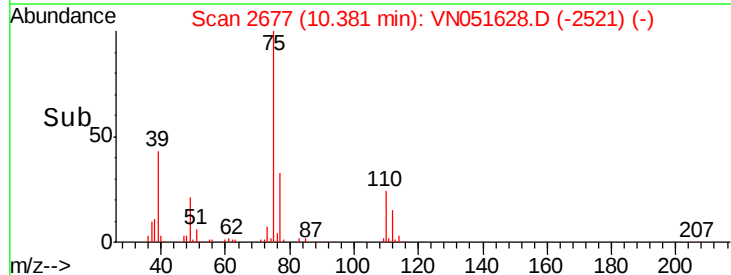
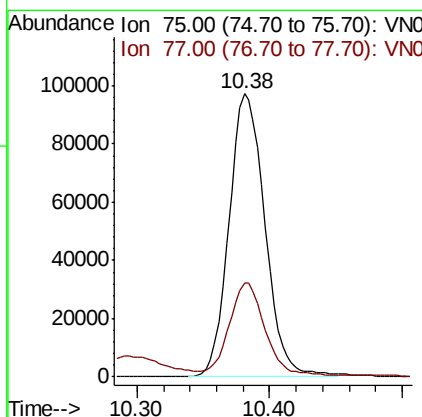
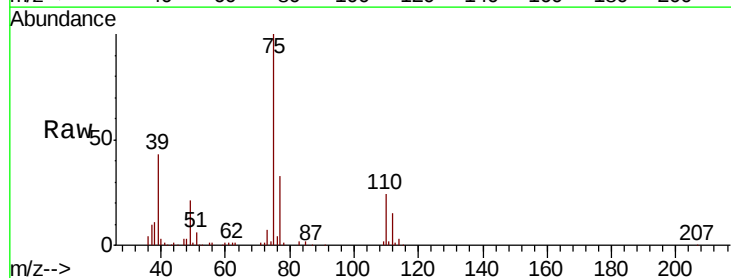
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

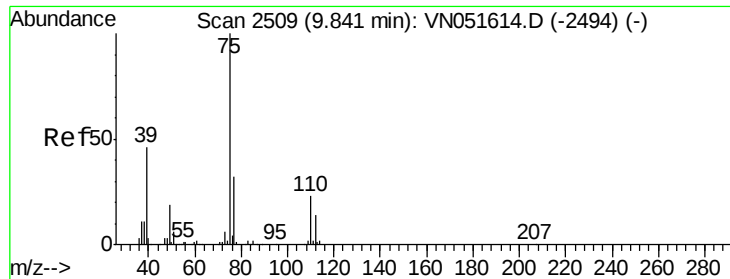
Tot Ion: 43 Resp: 146059
Ion Ratio Lower Upper
43 100
55 27.6 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 19.305 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 75 Resp: 183125
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0



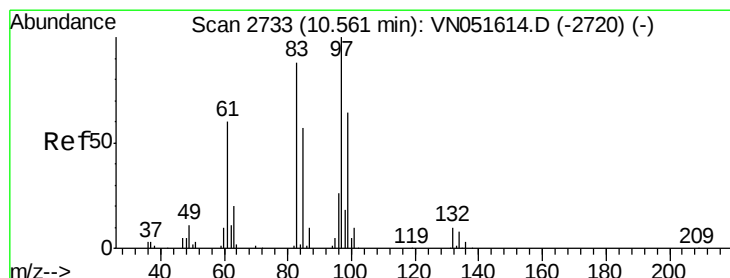
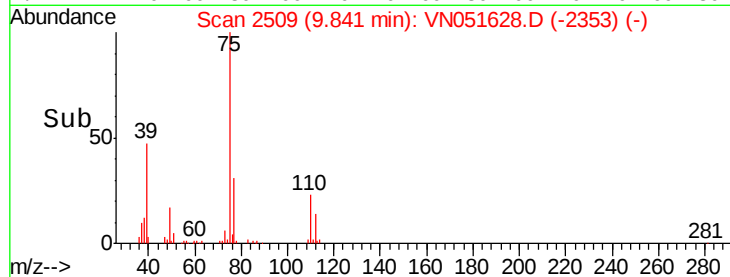
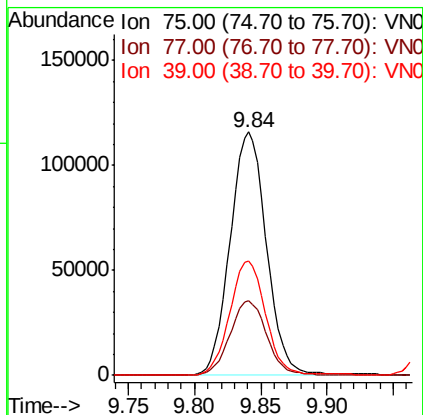
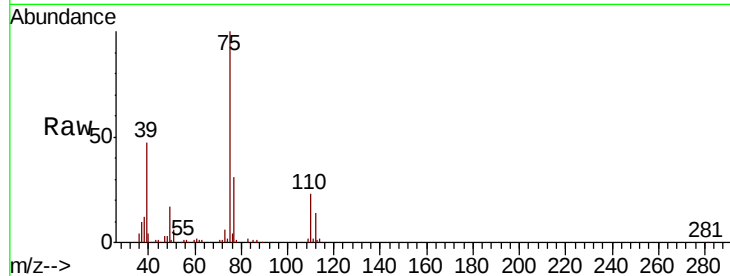


#49

cis-1,3-Dichloropropene
 Concen: 19.919 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

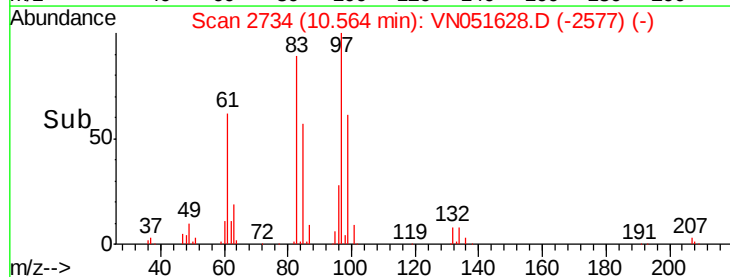
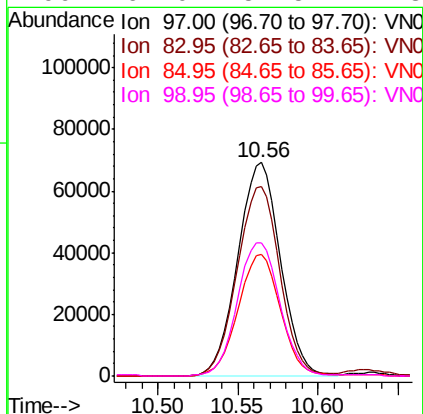
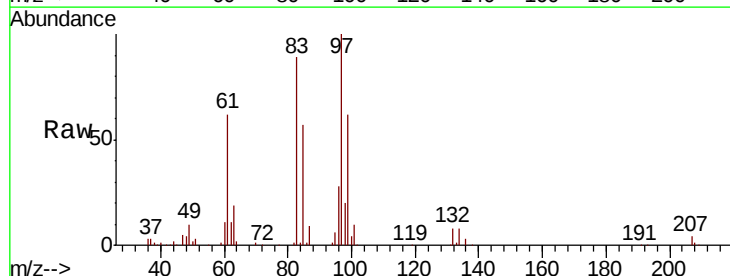
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0
39	47.0	36.6	55.0

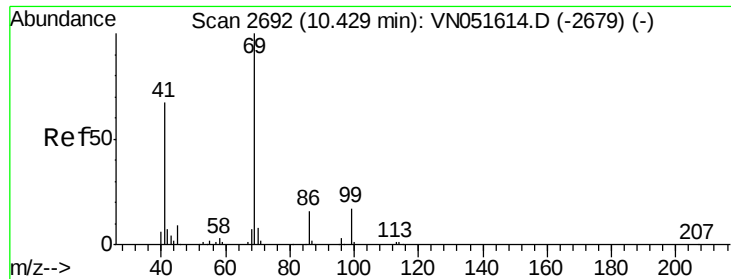


#50

1,1,2-Trichloroethane
 Concen: 20.534 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.2	105.2
85	57.1	45.6	68.4
99	62.0	51.5	77.3





#51

Ethyl methacrylate

Concen: 18.457 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

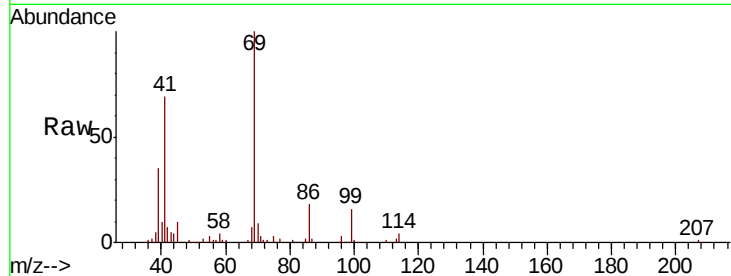
MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 69 Resp: 137797

Ion	Ratio	Lower	Upper
69	100		
41	68.7	33.3	99.8
39	33.0	17.2	51.6

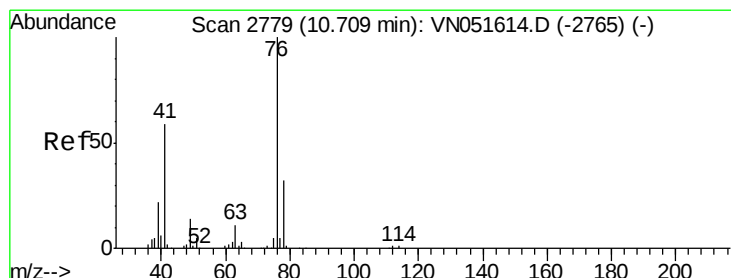
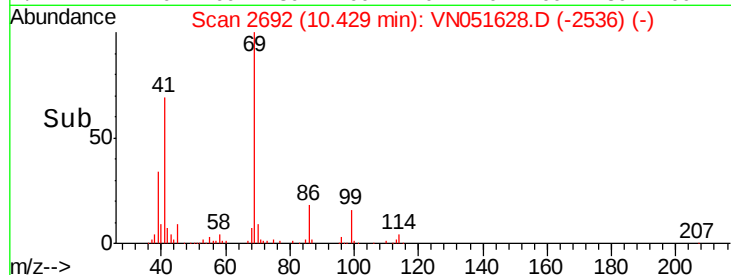
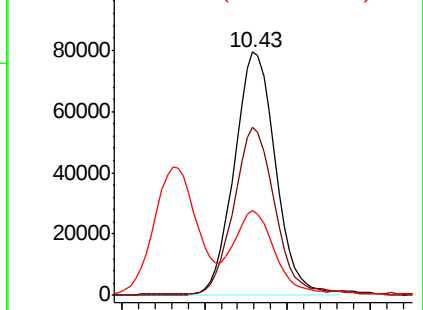


Abundance

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



#52

1,3-Dichloropropane

Concen: 20.087 ug/l

RT: 10.71 min Scan# 2779

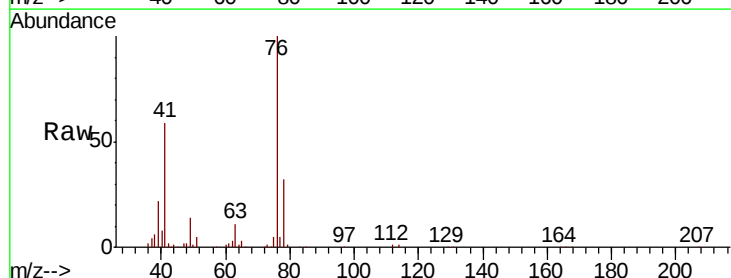
Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion: 76 Resp: 211926

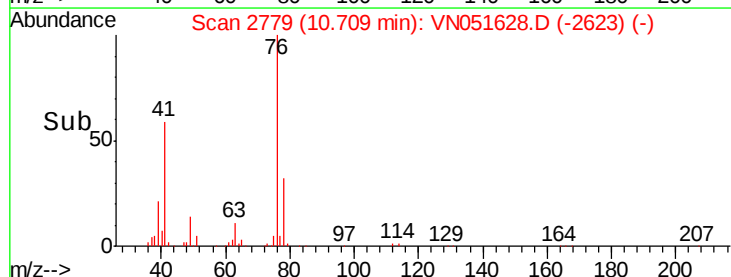
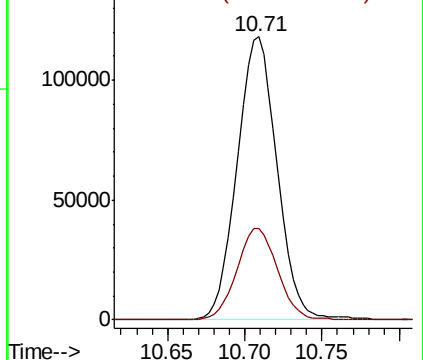
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4

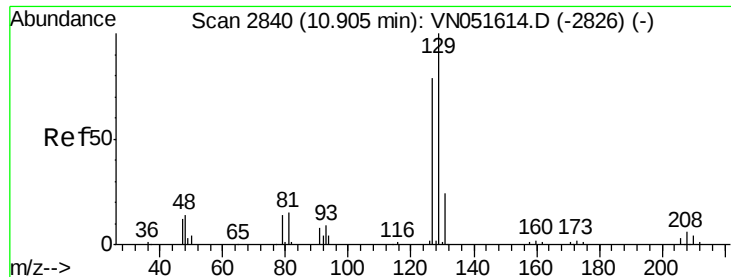


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

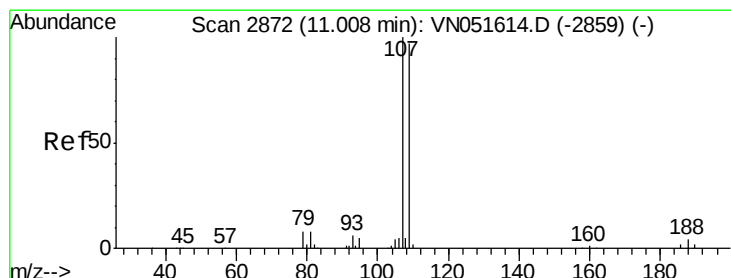
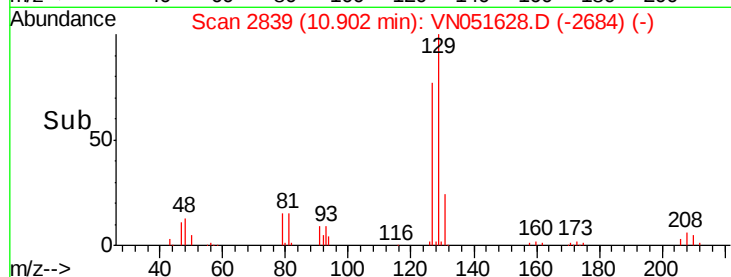
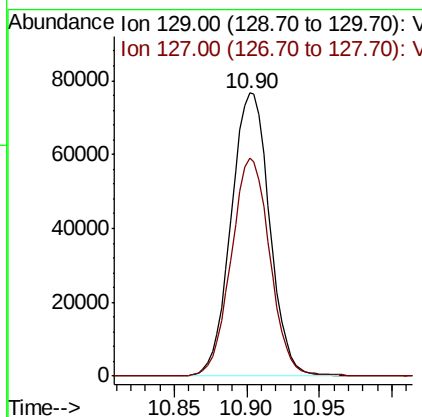
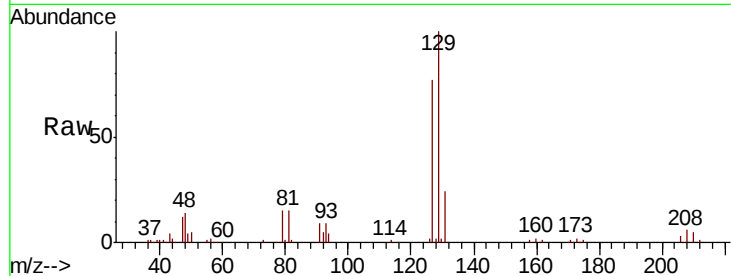




#53
Dibromochloromethane
Concen: 20.212 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

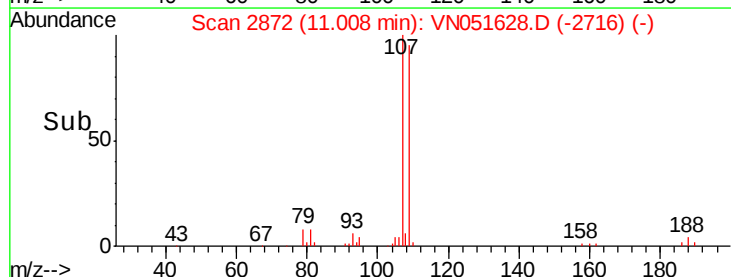
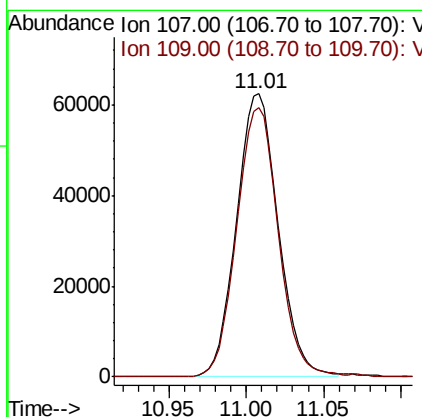
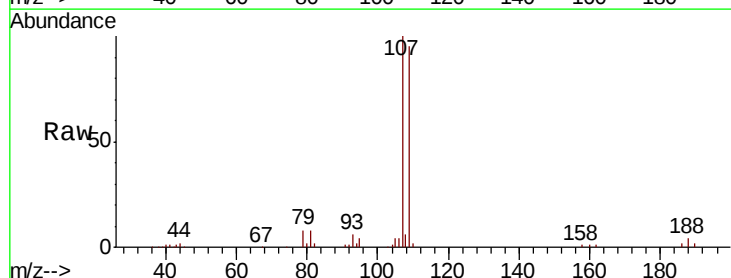
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

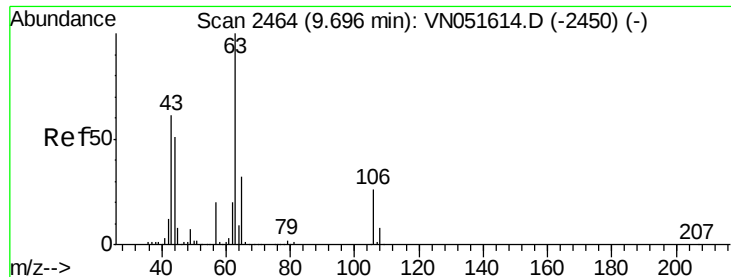
Tot Ion:129 Resp: 141647
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7



#54
1,2-Dibromoethane
Concen: 19.887 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion:107 Resp: 117417
Ion Ratio Lower Upper
107 100
109 94.8 76.5 114.7

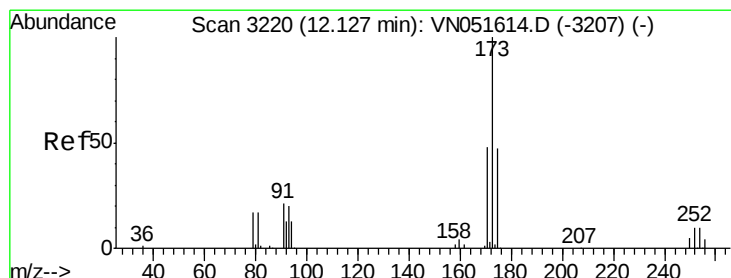
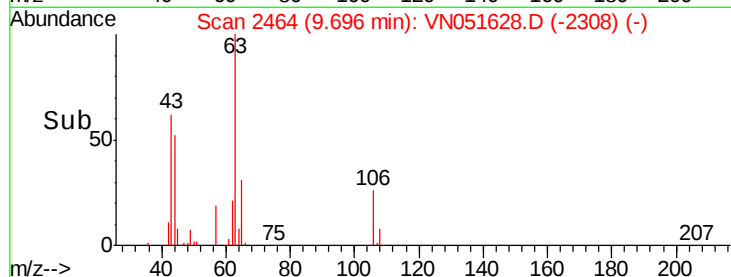
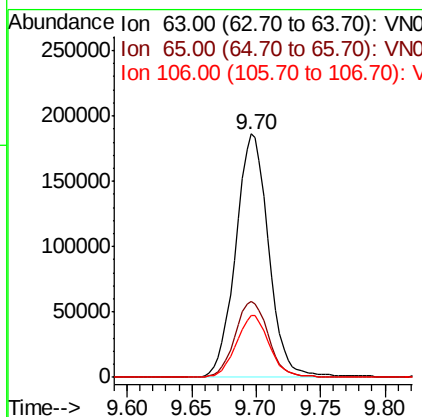
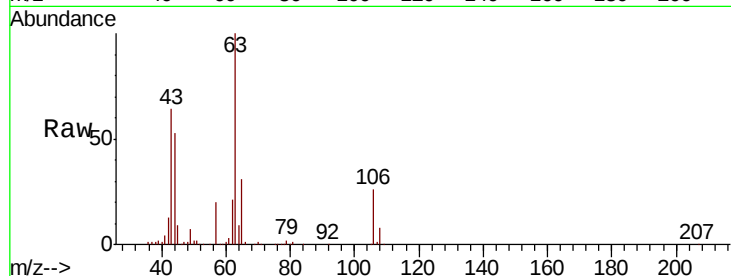




#55
2-Chloroethyl vinyl ether
Concen: 89.842 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

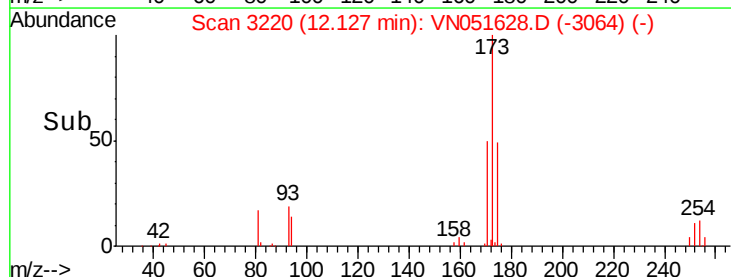
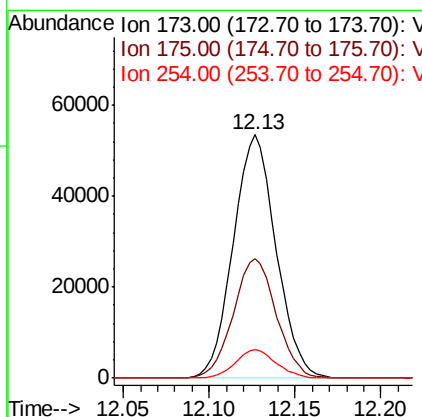
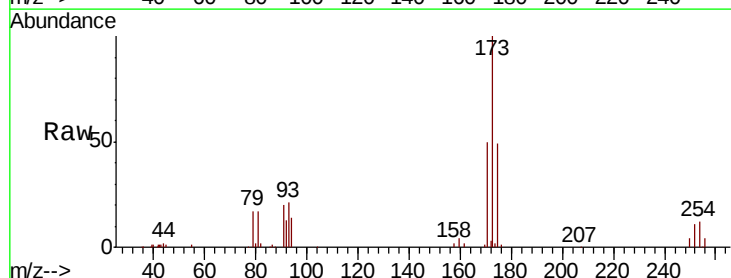
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

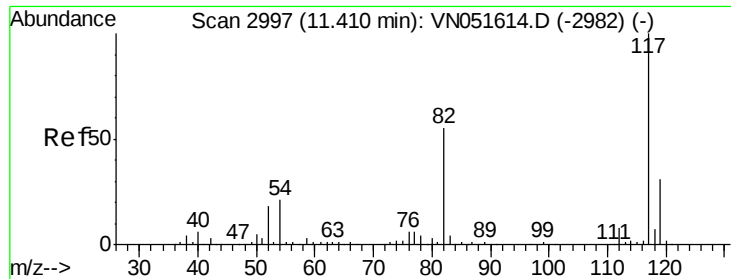
Tot Ion: 63 Resp: 331527
Ion Ratio Lower Upper
63 100
65 31.9 25.8 38.6
106 25.5 20.4 30.6



#56
Bromoform
Concen: 19.845 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 173 Resp: 92284
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.4
254 11.1 8.7 13.1

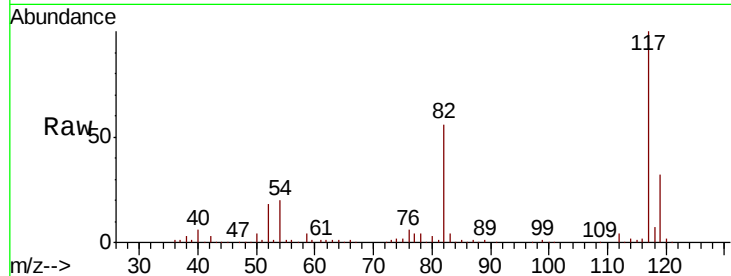




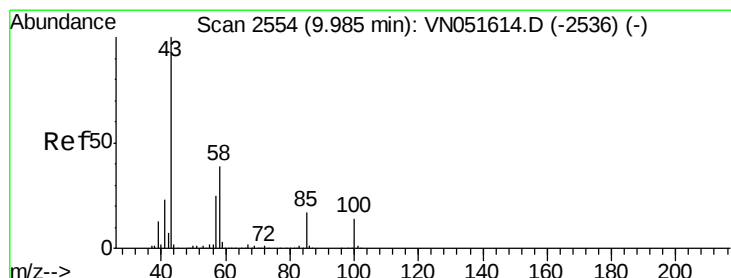
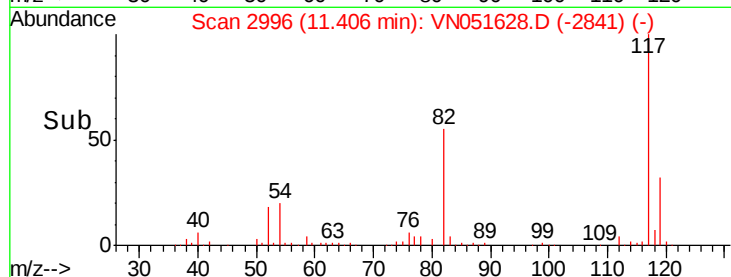
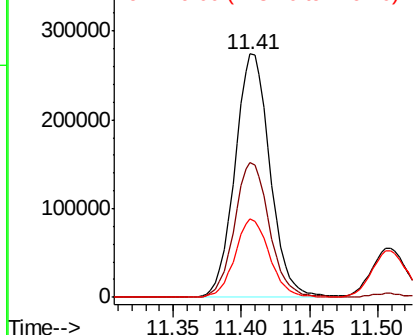
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion:117 Resp: 490078
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.2 37.8

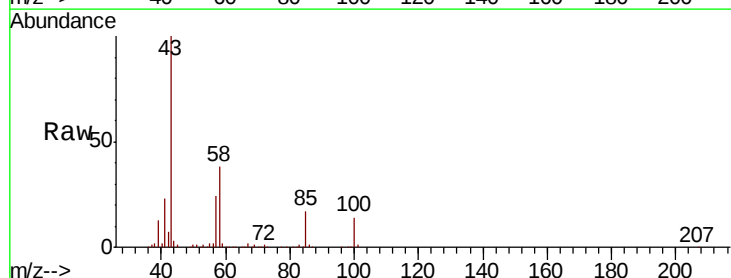


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

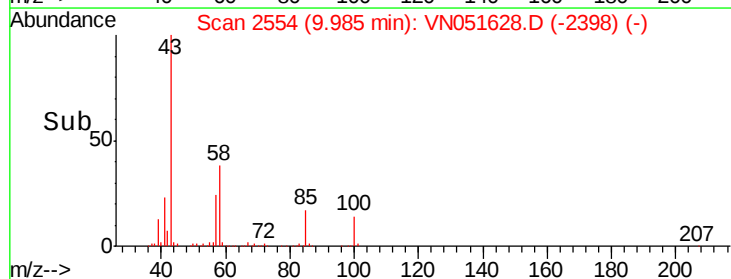
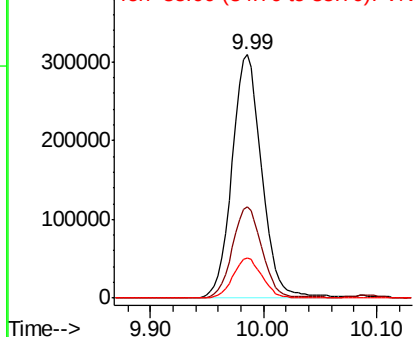


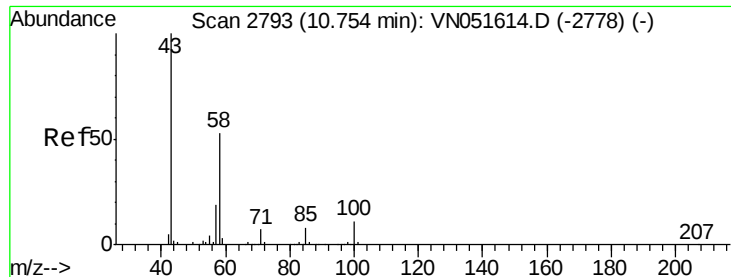
#58
4-Methyl-2-Pentanone
Concen: 101.203 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 43 Resp: 563109
Ion Ratio Lower Upper
43 100
58 37.8 31.0 46.4
85 16.3 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

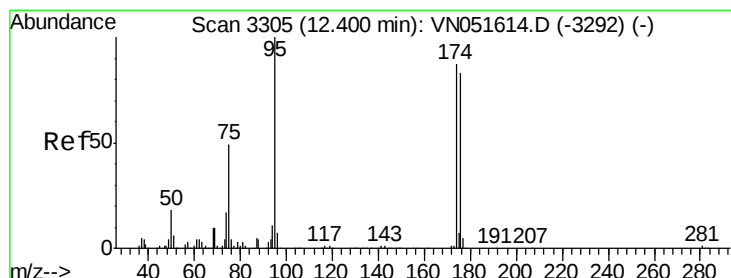
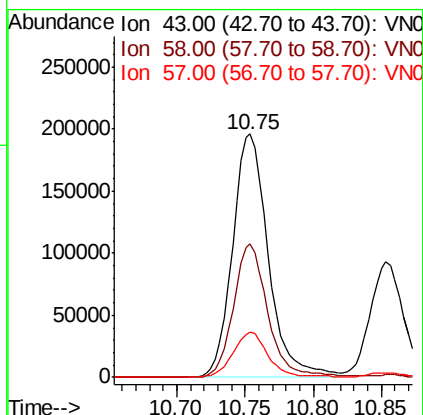
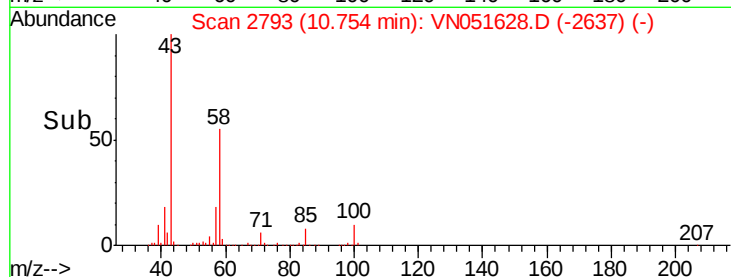
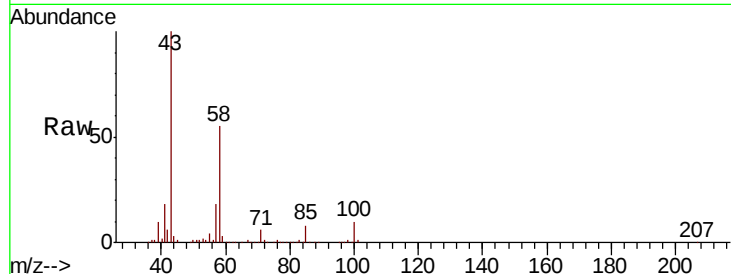




#59
2-Hexanone
Concen: 96.984 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

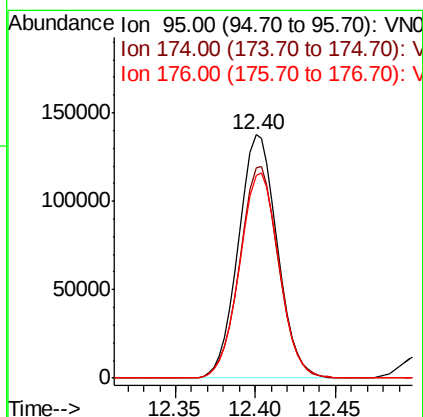
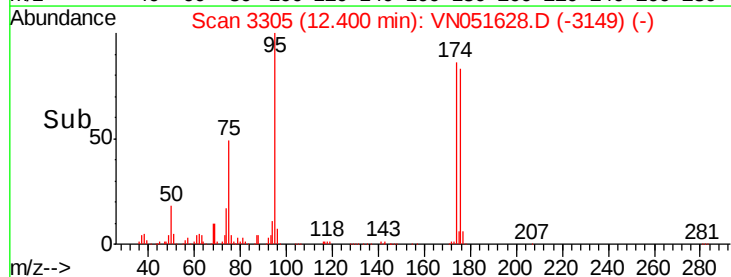
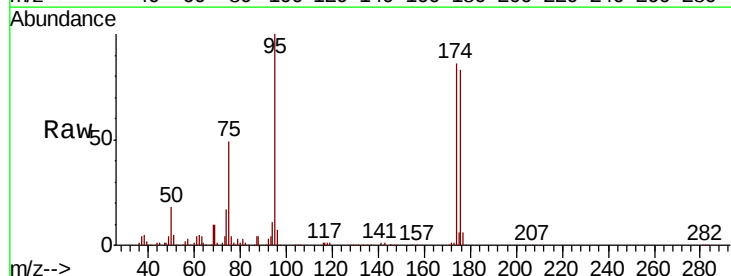
Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

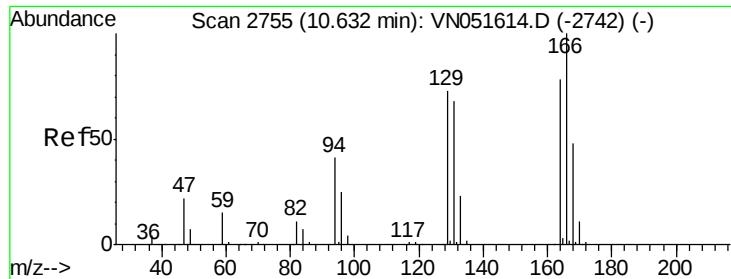
Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.5	62.3
57	18.4	14.2	21.4



#60
4-Bromofluorobenzene
Concen: 96.984 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	71.2	106.8
176	85.6	67.8	101.8

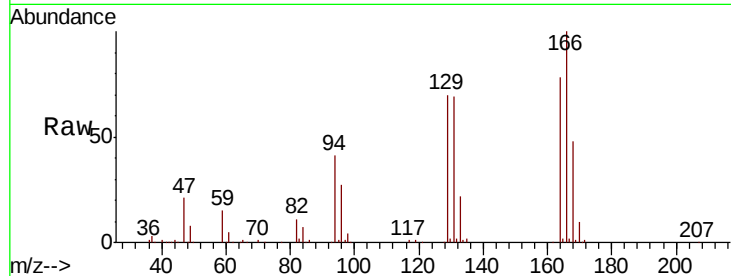




#61
Tetrachloroethene
Concen: 20.651 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.1	154.7
129	89.8	75.3	112.9
131	88.4	70.8	106.2



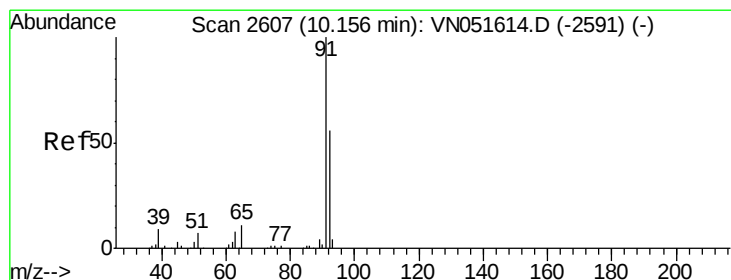
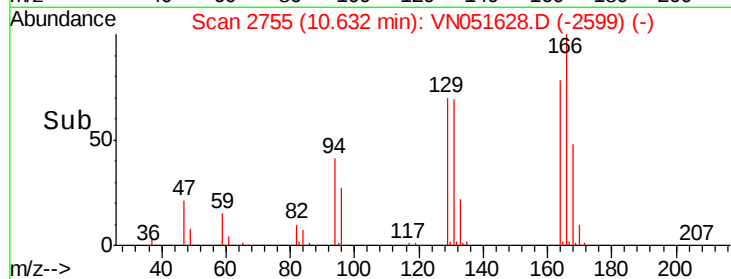
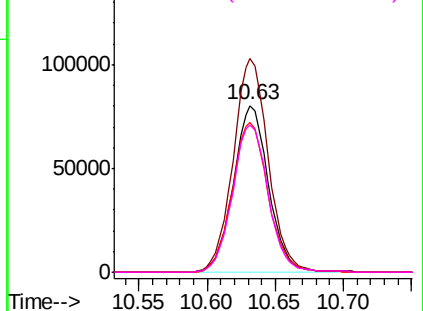
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

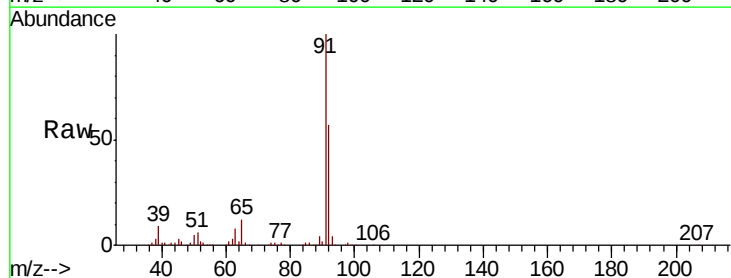
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.301 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

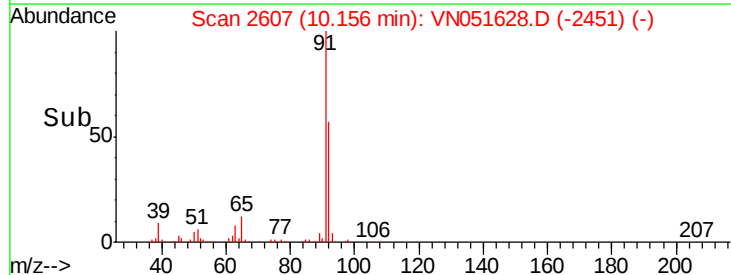
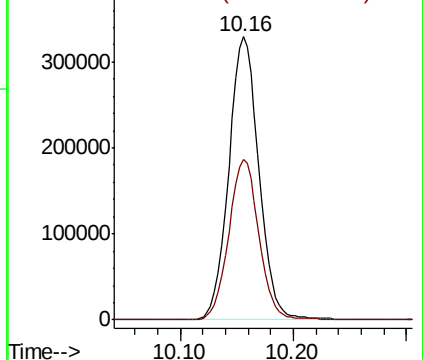
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.3	67.9

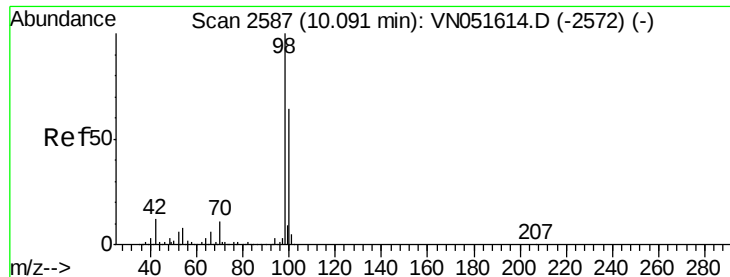


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.301 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

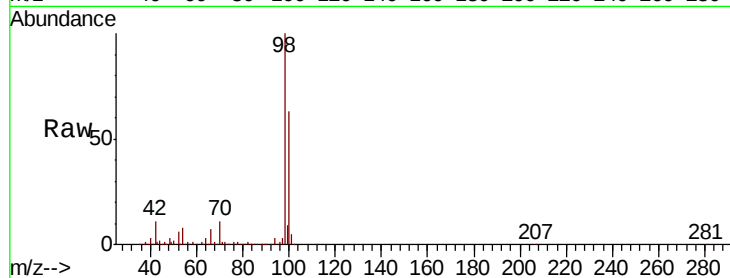
VN1001WBS01

Tot Ion: 98 Resp: 705115

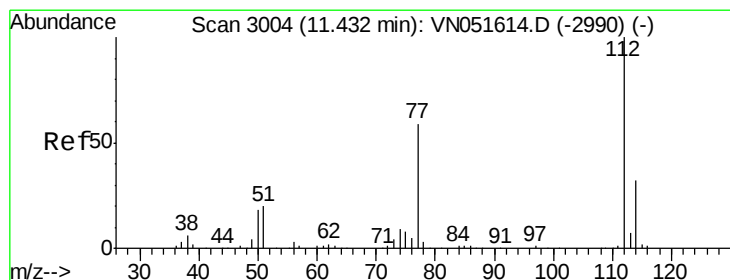
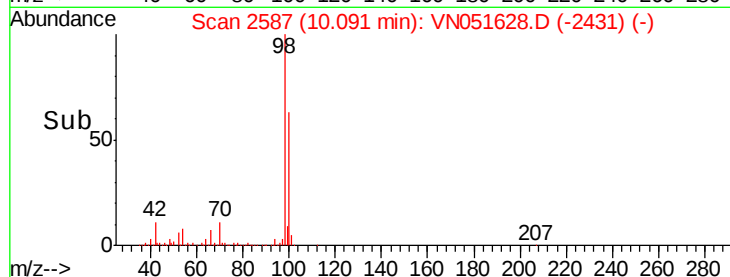
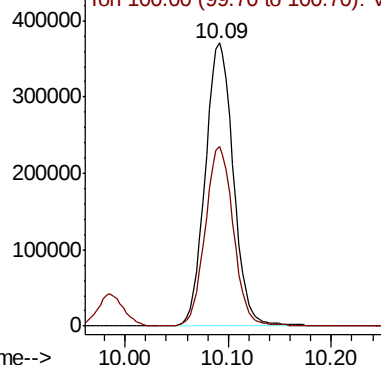
Ion Ratio Lower Upper

98 100

100 63.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051614.D (-2572) (-)



#64

Chlorobenzene

Concen: 19.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051628.D

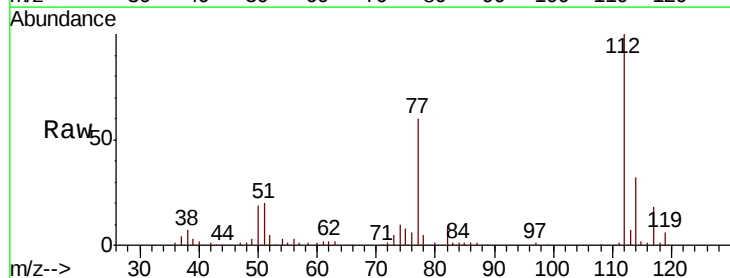
Acq: 1 Oct 2018 11:12

Tgt Ion: 112 Resp: 360878

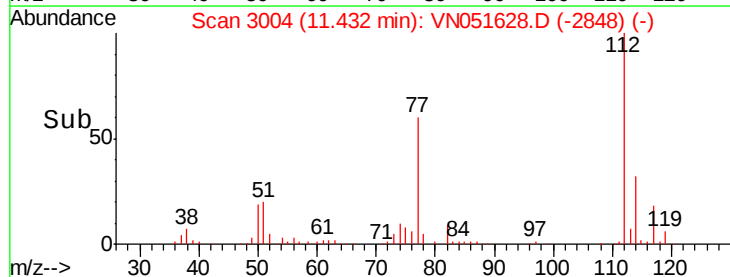
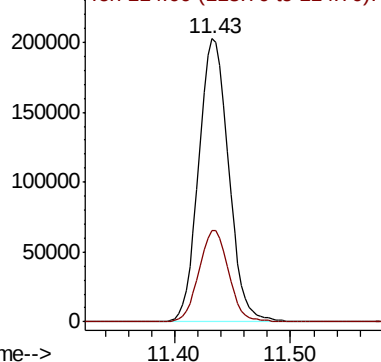
Ion Ratio Lower Upper

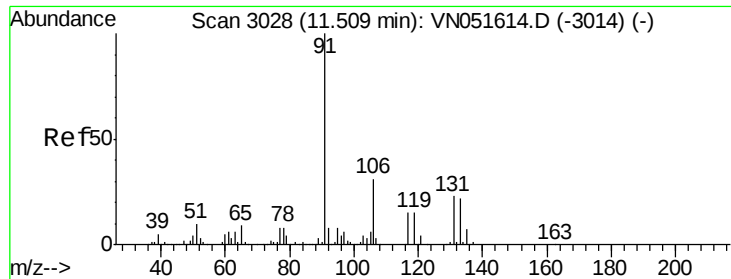
112 100

114 32.1 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): VN051614.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.373 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

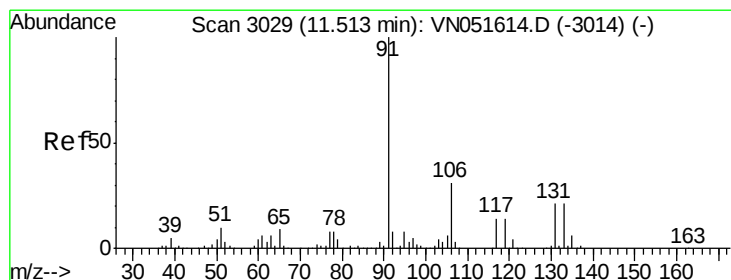
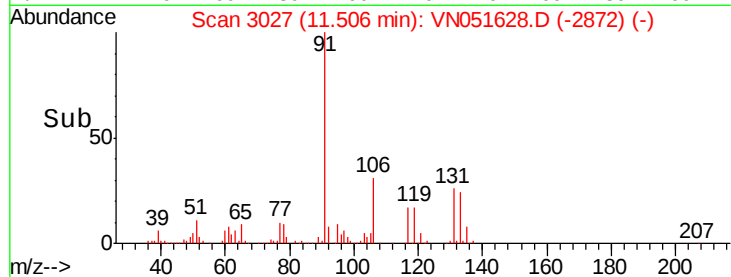
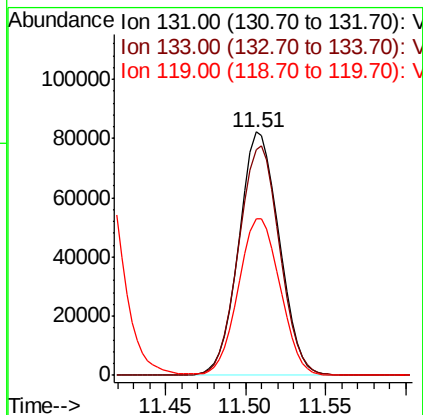
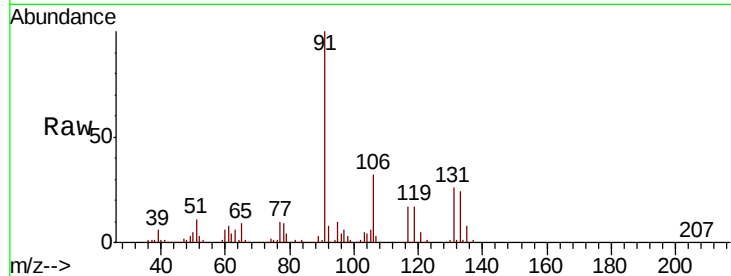
Tot Ion:131 Resp: 141347

Ion Ratio Lower Upper

131 100

133 96.2 0.0 193.0

119 66.8 0.0 135.0



#66

Ethyl Benzene

Concen: 19.488 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051628.D

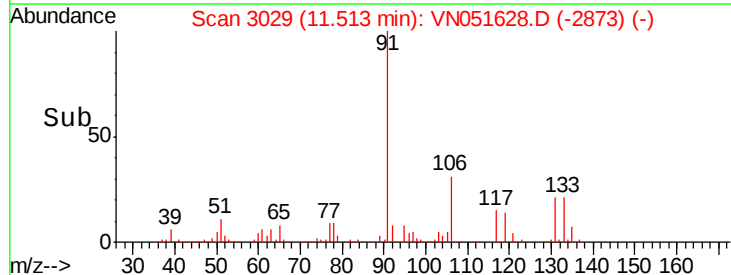
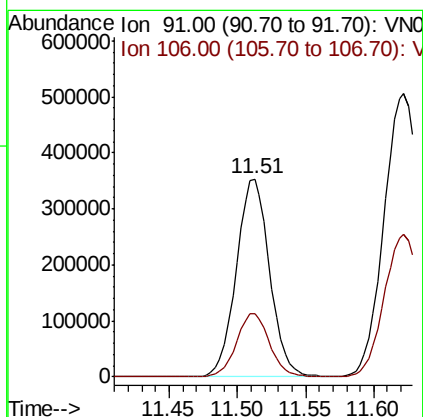
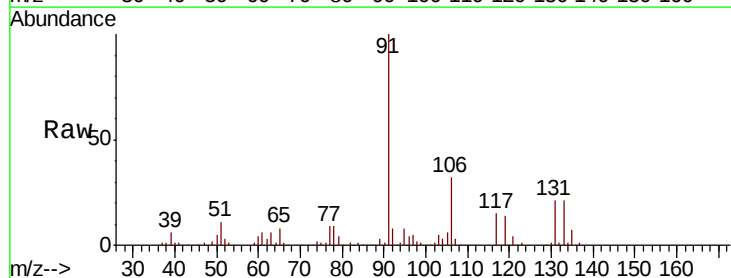
Acq: 1 Oct 2018 11:12

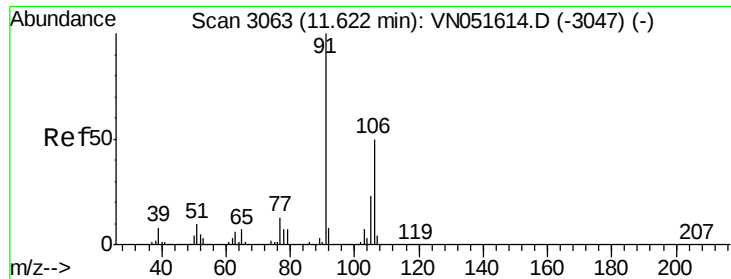
Tgt Ion: 91 Resp: 599358

Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4

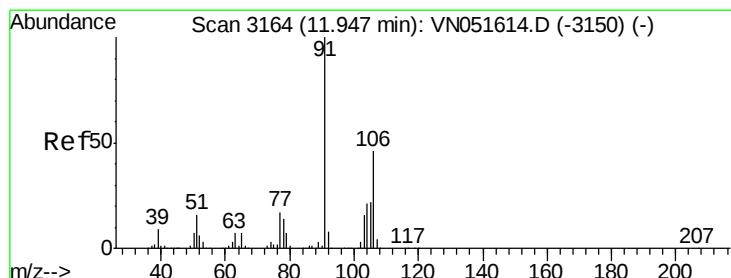
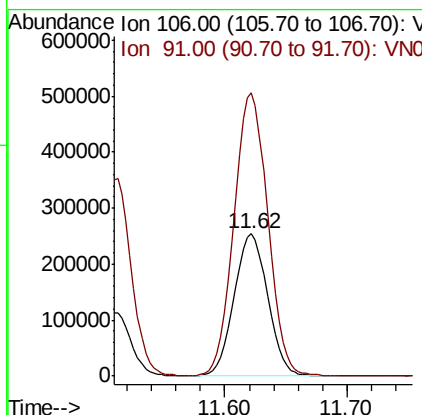
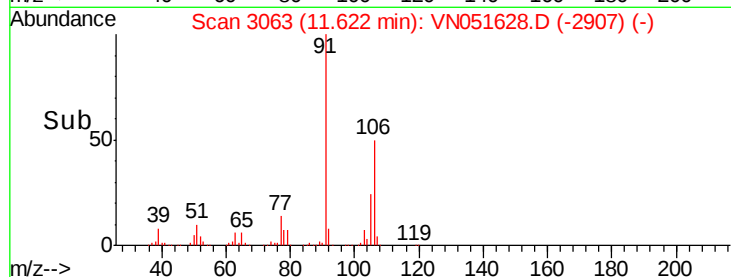
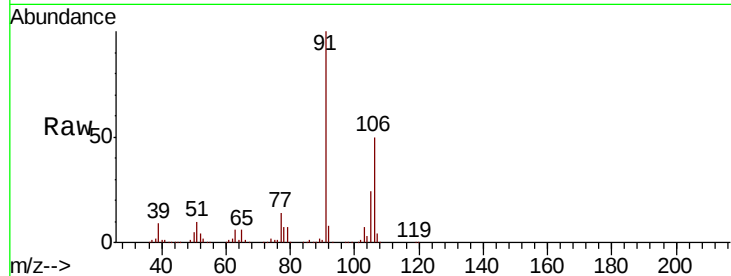




#67
m/p-Xylenes
Concen: 40.990 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

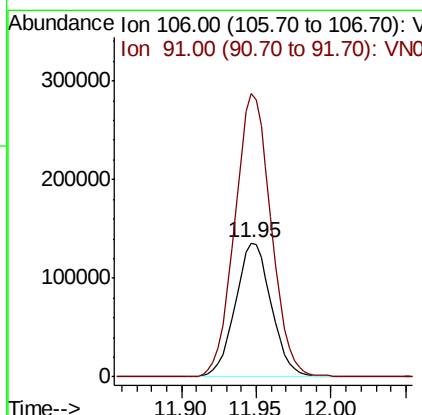
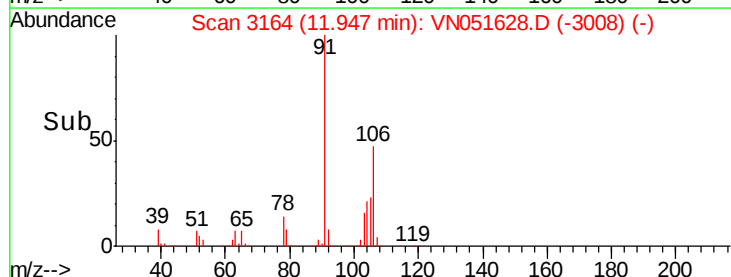
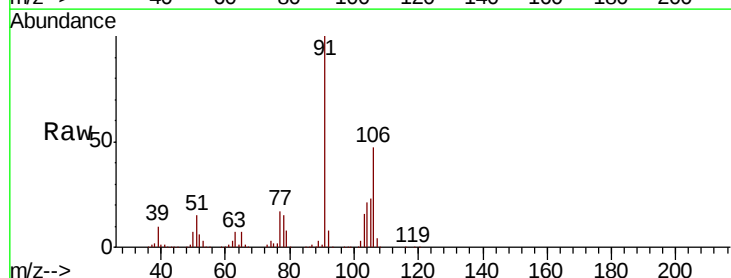
Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

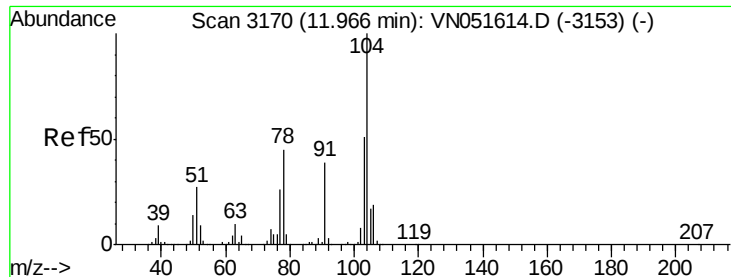
Tot Ion:106 Resp: 485856
Ion Ratio Lower Upper
106 100
91 200.5 161.5 242.3



#68
o-Xylene
Concen: 20.051 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion:106 Resp: 226877
Ion Ratio Lower Upper
106 100
91 213.8 109.7 329.1

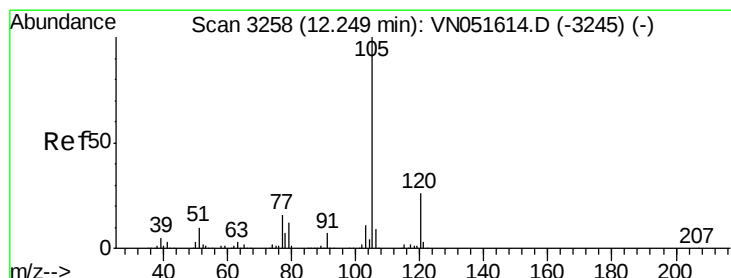
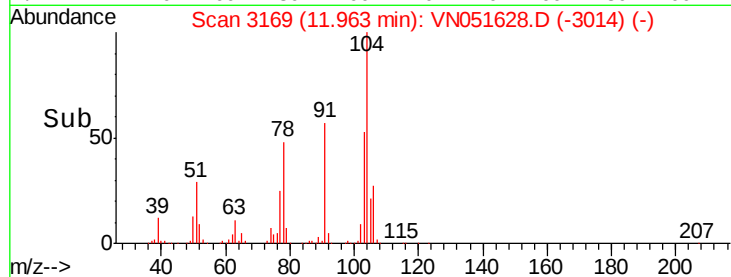
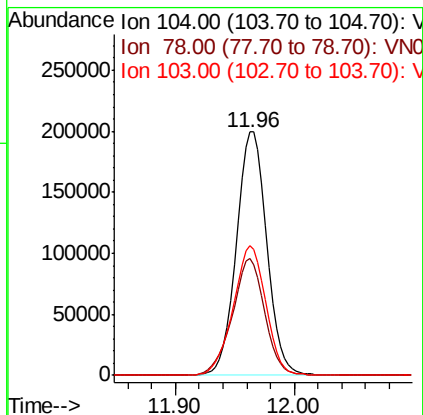
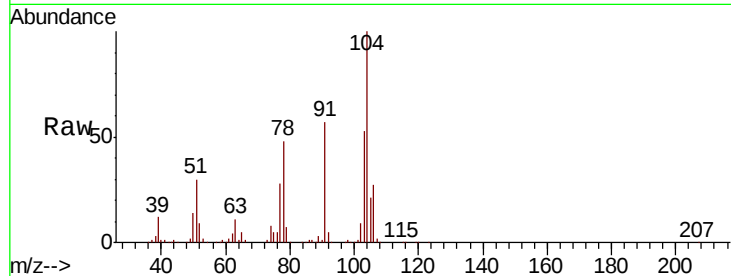




#69
Stvrene
Concen: 19.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

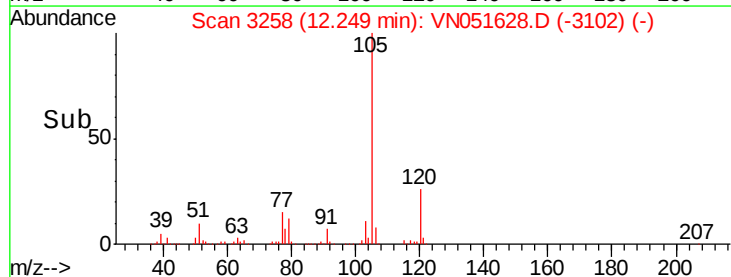
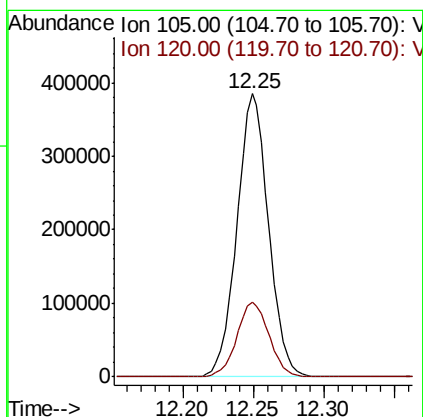
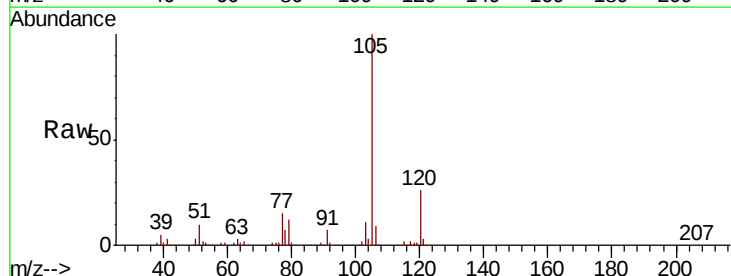
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

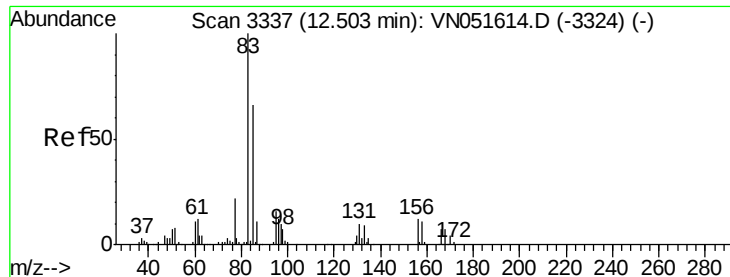
Tot Ion:104 Resp: 354014
Ion Ratio Lower Upper
104 100
78 51.0 40.3 60.5
103 57.0 45.7 68.5



#70
Isopropylbenzene
Concen: 19.957 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion:105 Resp: 602342
Ion Ratio Lower Upper
105 100
120 26.8 18.7 34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.583 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

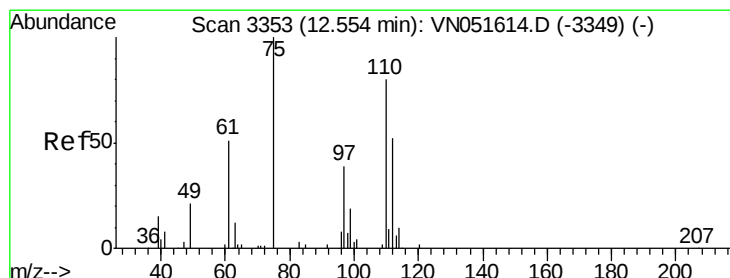
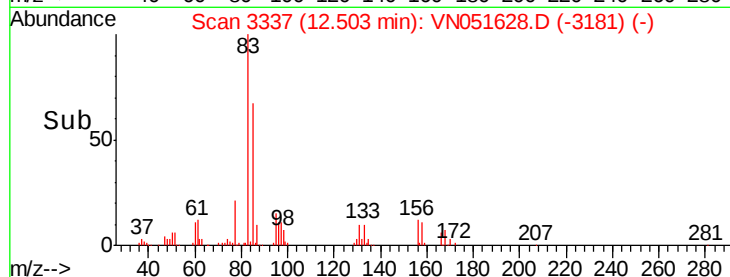
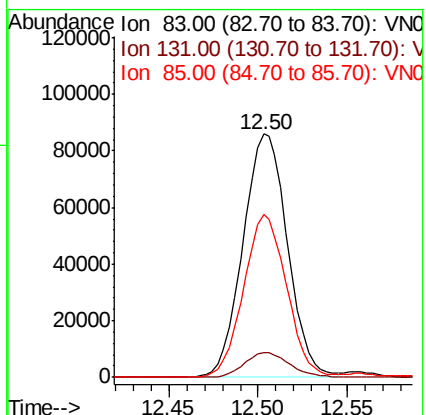
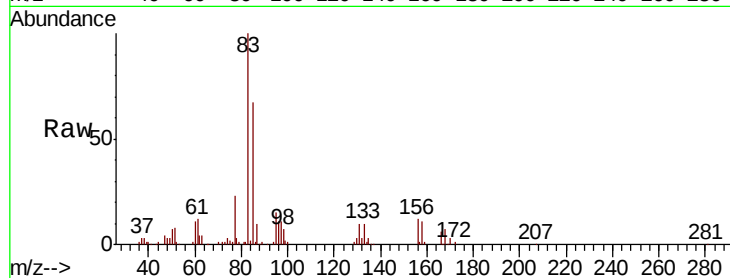
Tot Ion: 83 Resp: 150305

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.6 32.0 96.2



#72

1,2,3-Trichloropropane

Concen: 28.402 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051628.D

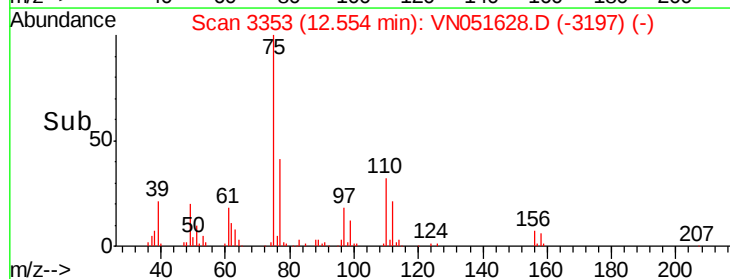
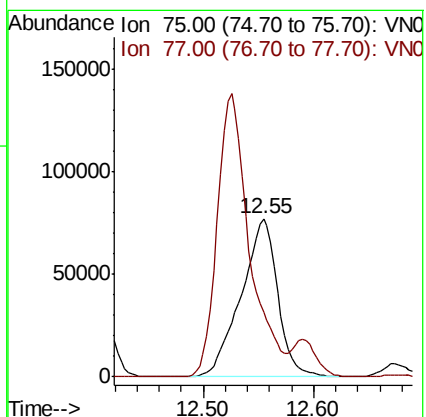
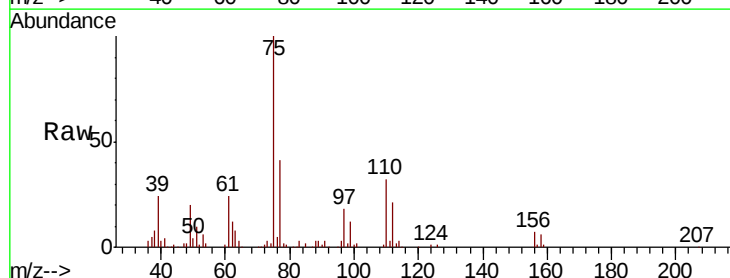
Acq: 1 Oct 2018 11:12

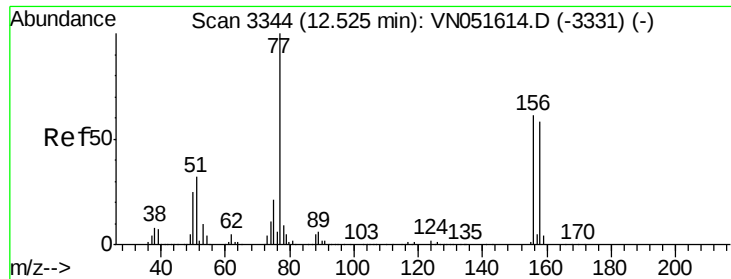
Tgt Ion: 75 Resp: 177318

Ion Ratio Lower Upper

75 100

77 156.9 0.0 492.2





#73

Bromobenzene

Concen: 19.642 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

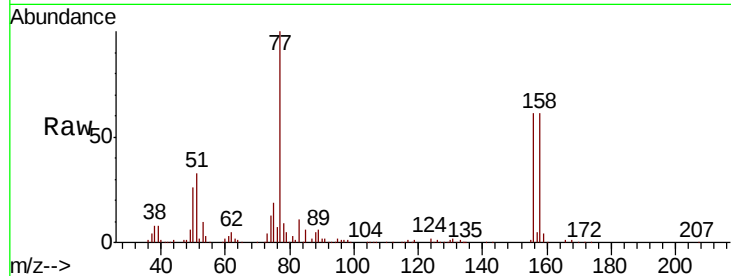
Tot Ion:156 Resp: 147530

Ion Ratio Lower Upper

156 100

77 188.6 0.0 385.2

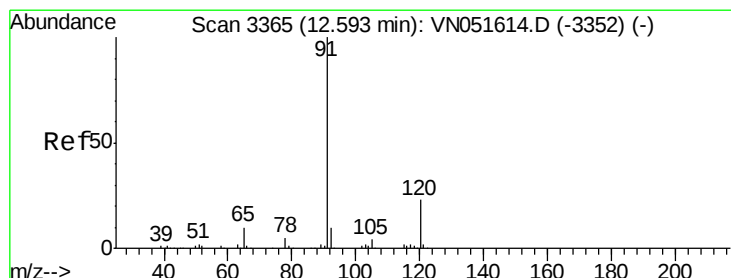
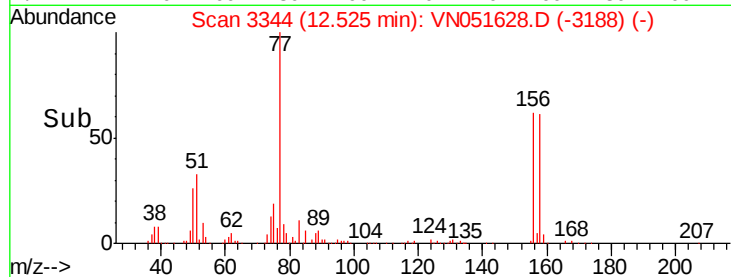
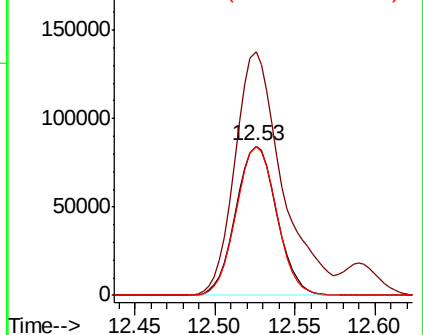
158 98.5 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.889 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051628.D

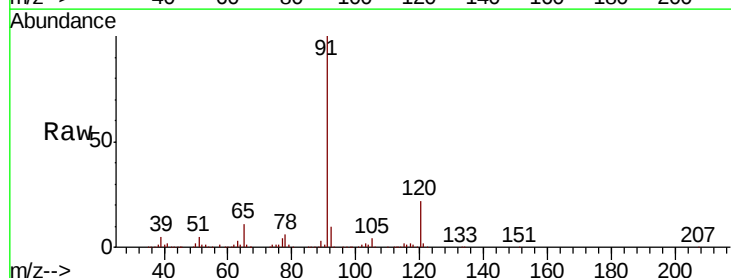
Acq: 1 Oct 2018 11:12

Tgt Ion: 91 Resp: 698824

Ion Ratio Lower Upper

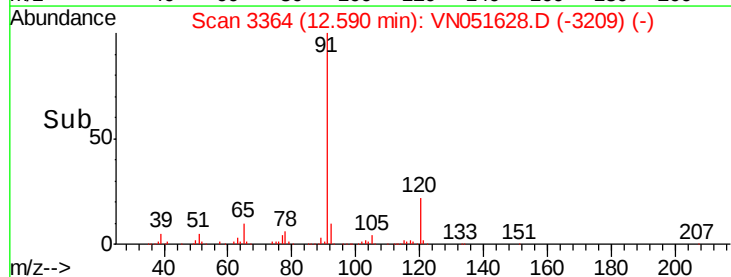
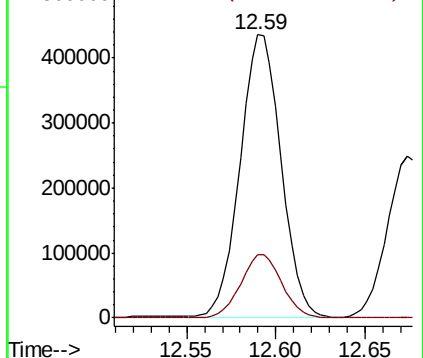
91 100

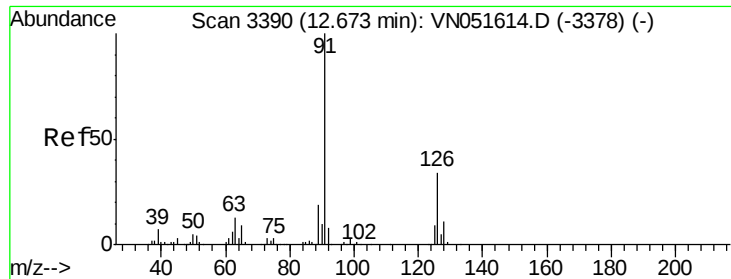
120 22.4 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.918 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

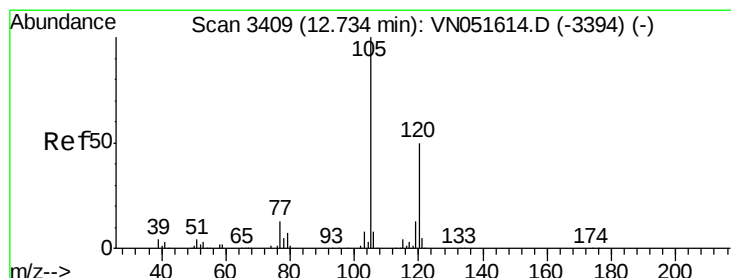
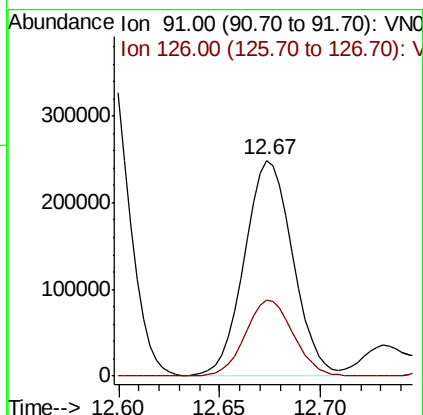
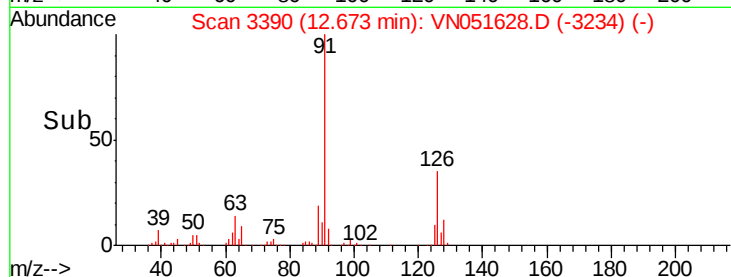
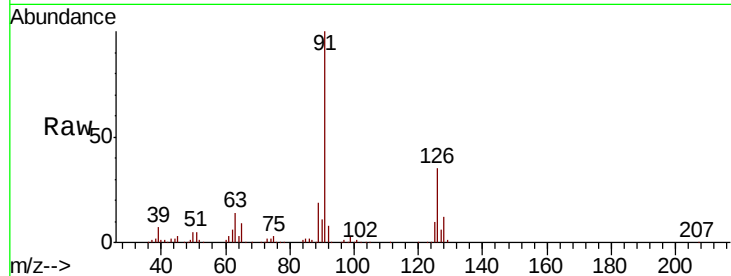
VN1001WBS01

Tot Ion: 91 Resp: 417905

Ion Ratio Lower Upper

91 100

126 35.0 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 20.319 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051628.D

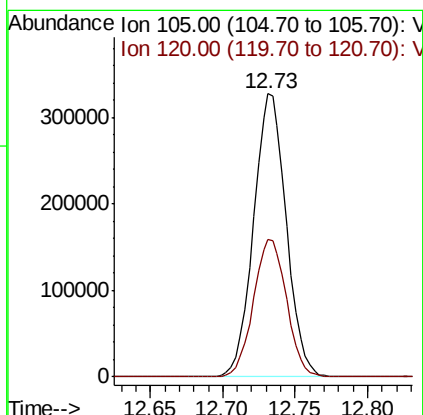
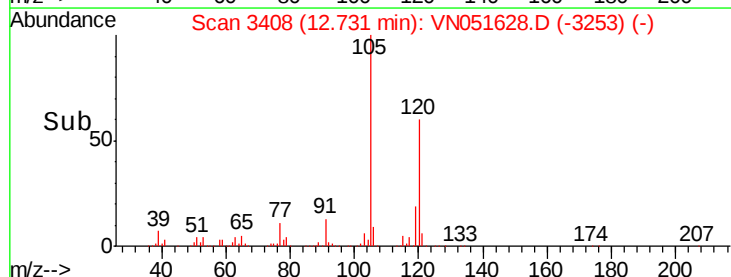
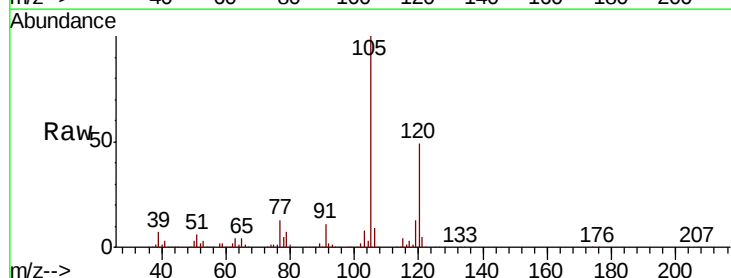
Acq: 1 Oct 2018 11:12

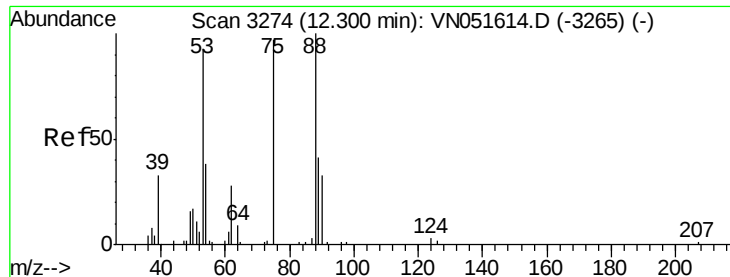
Tgt Ion:105 Resp: 512456

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 18.665 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

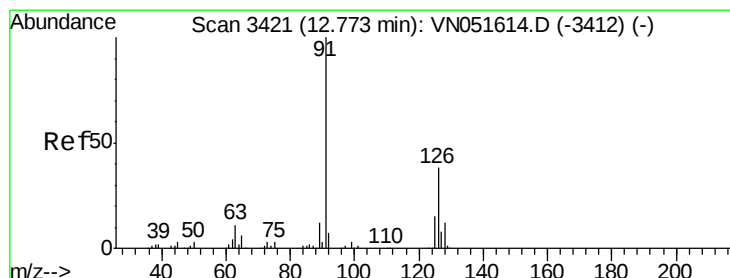
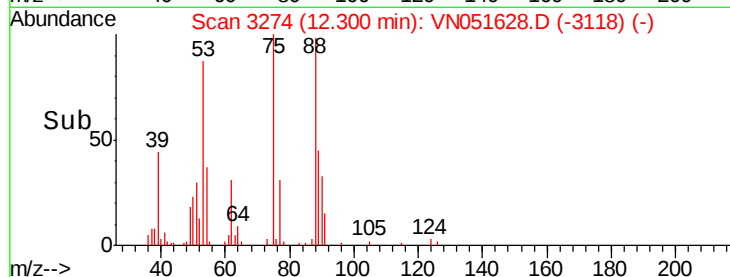
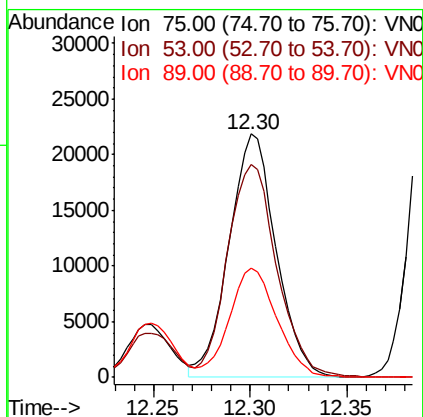
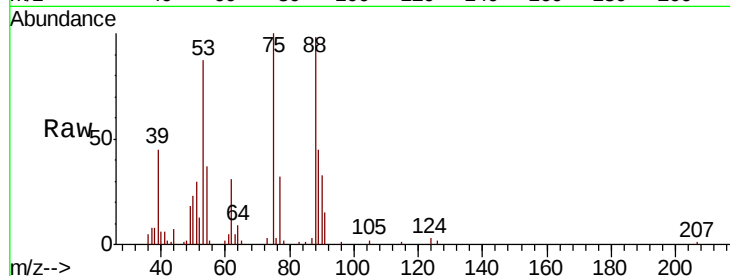
Tot Ion: 75 Resp: 36907

Ion Ratio Lower Upper

75 100

53 86.1 48.1 144.4

89 44.1 22.4 67.3



#78

4-Chlorotoluene

Concen: 19.875 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051628.D

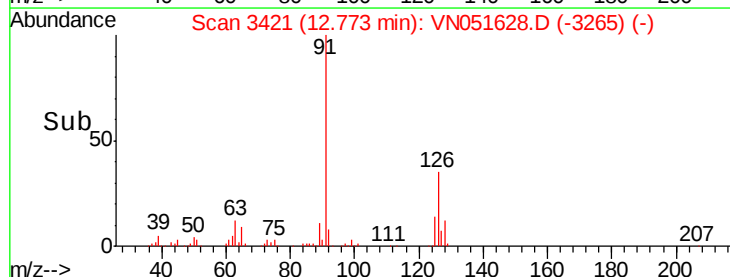
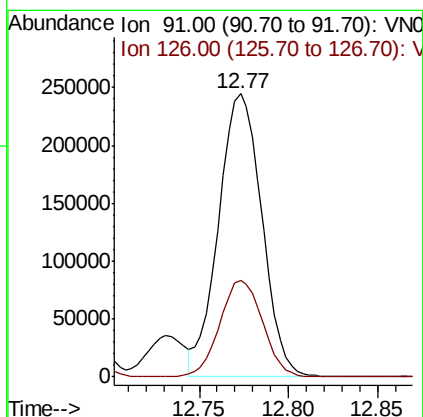
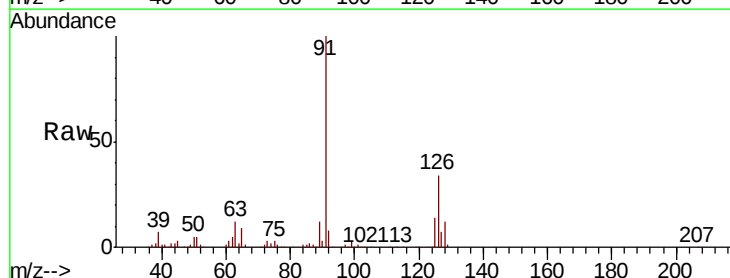
Acq: 1 Oct 2018 11:12

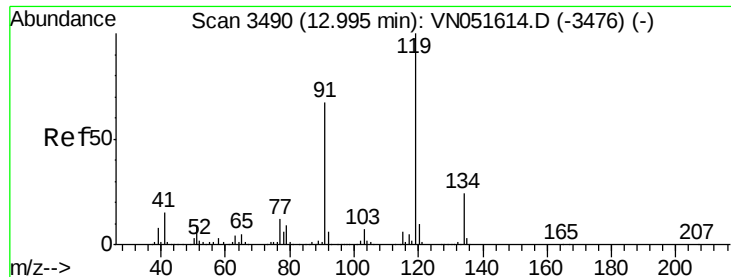
Tgt Ion: 91 Resp: 411908

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.6

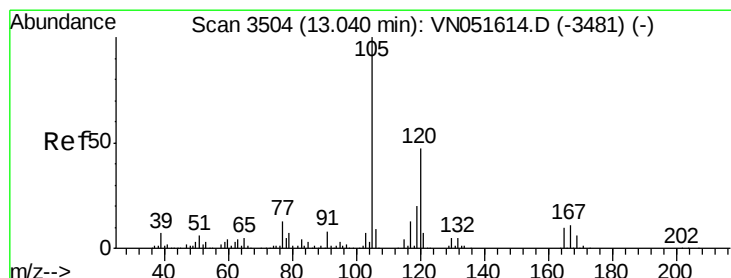
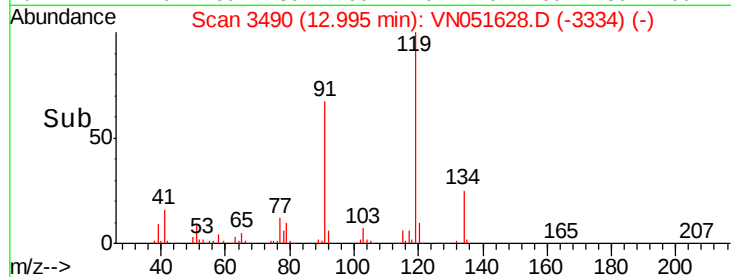
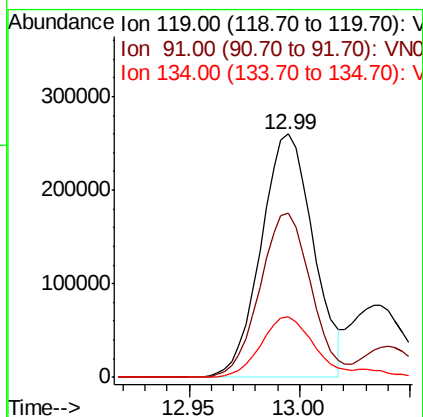
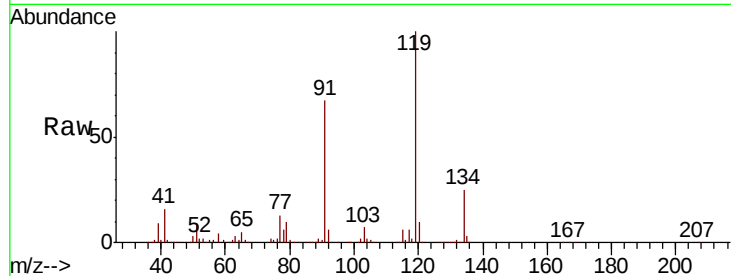




#79
tert-butylbenzene
Concen: 19.524 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

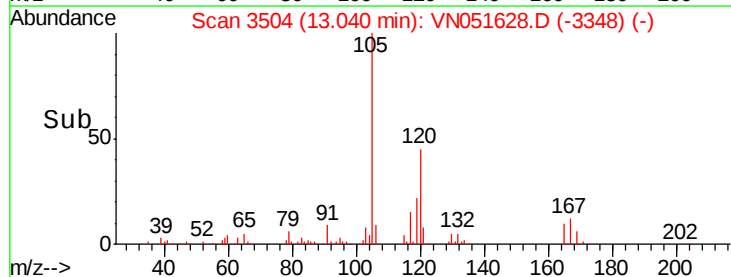
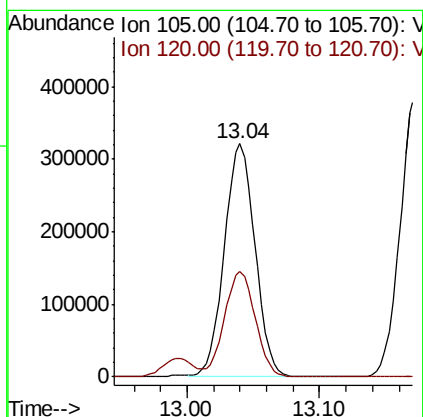
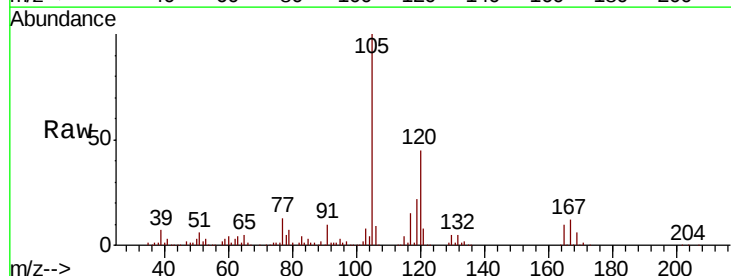
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

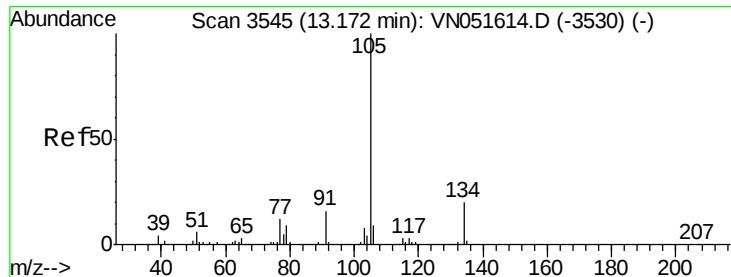
Tot Ion:119 Resp: 426599
Ion Ratio Lower Upper
119 100
91 65.9 0.0 132.4
134 25.2 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 20.547 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion:105 Resp: 517570
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.6

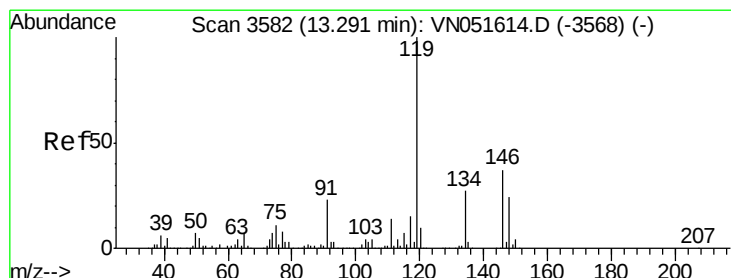
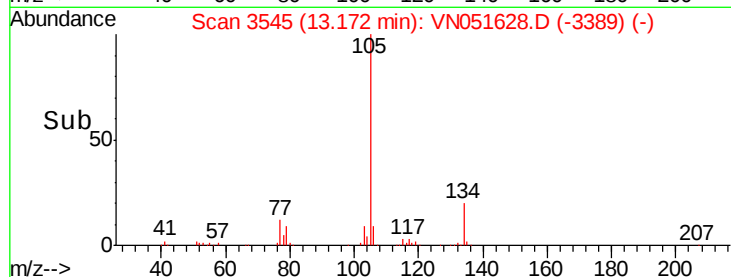
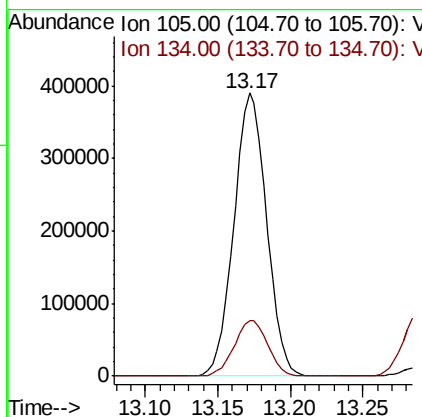
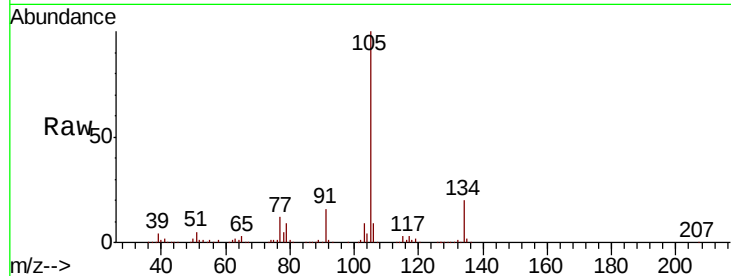




#81
 sec-Butylbenzene
 Concen: 20.219 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

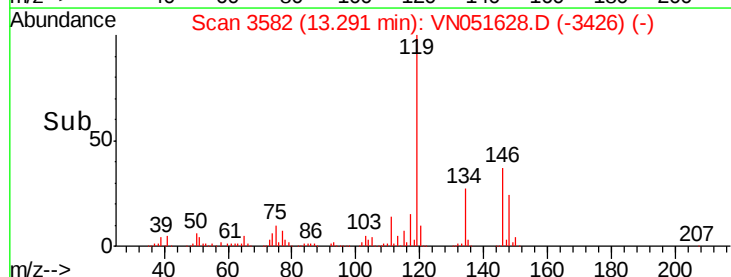
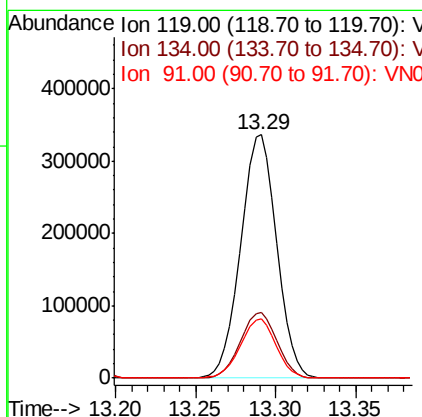
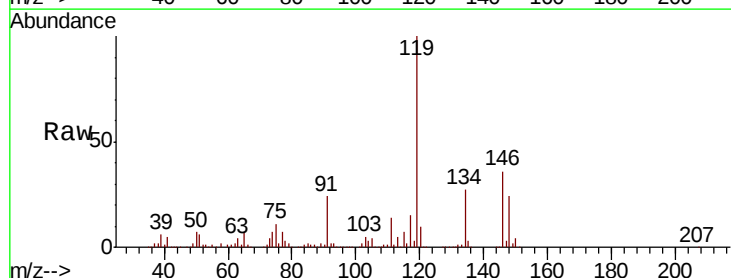
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

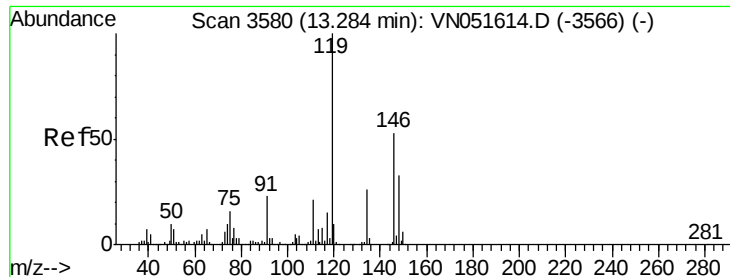
Tot Ion:105 Resp: 610245
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 19.944 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion:119 Resp: 514468
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 52.0
 91 24.1 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 19.870 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

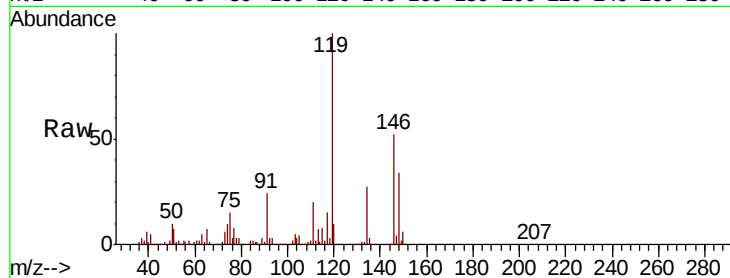
Tot Ion:146 Resp: 260056

Ion Ratio Lower Upper

146 100

111 39.2 19.9 59.6

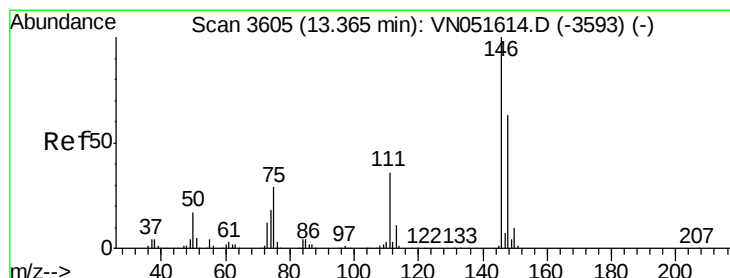
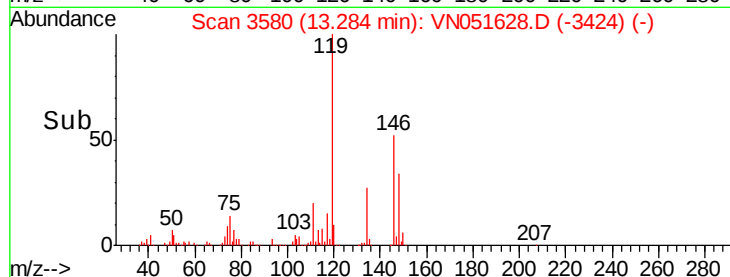
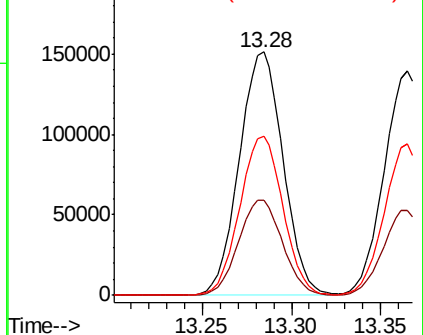
148 64.5 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.947 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

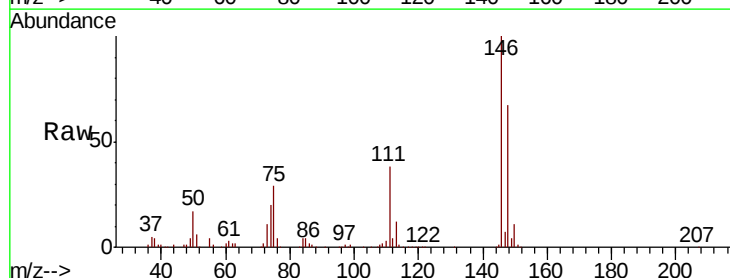
Tgt Ion:146 Resp: 233106

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

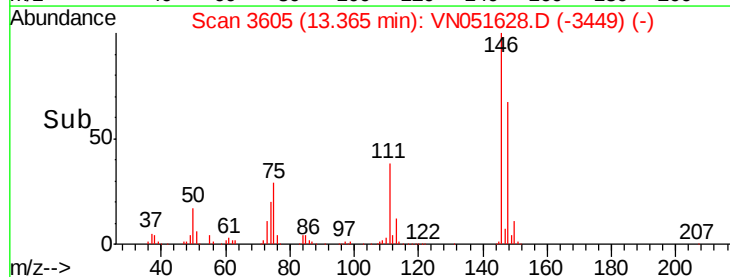
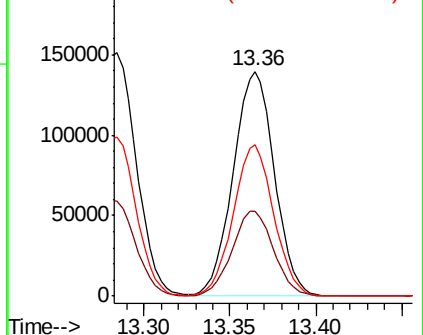
148 66.2 32.1 96.5

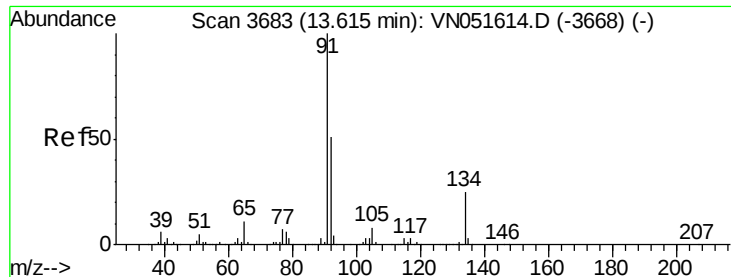


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.967 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

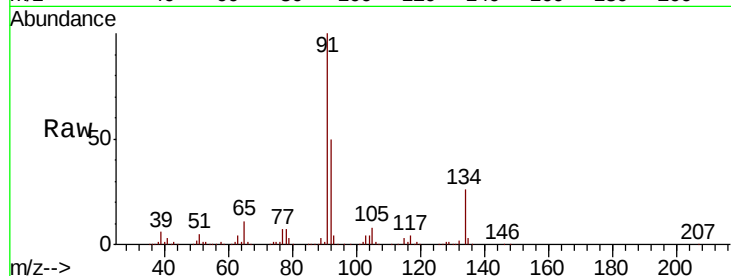
Tot Ion: 91 Resp: 401595

Ion Ratio Lower Upper

91 100

92 50.0 0.0 101.6

134 25.6 0.0 50.6

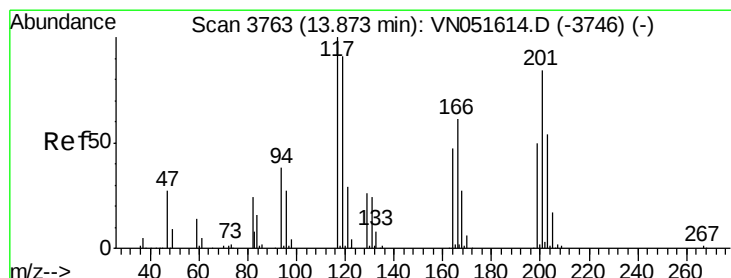
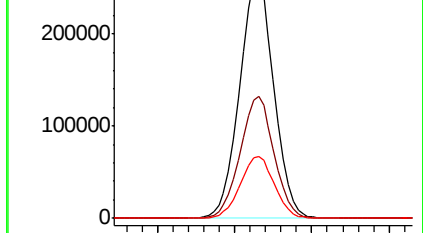
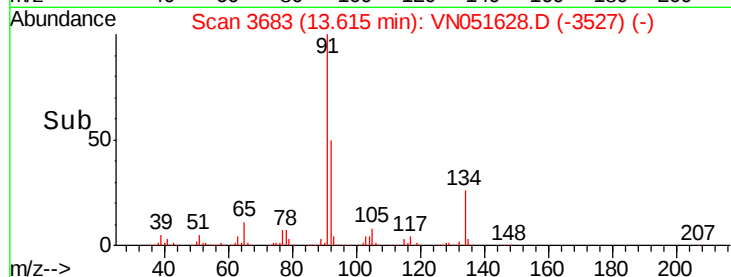


Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051614.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051614.D (-3668) (-)

Time-->



#86

Hexachloroethane

Concen: 19.990 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051628.D

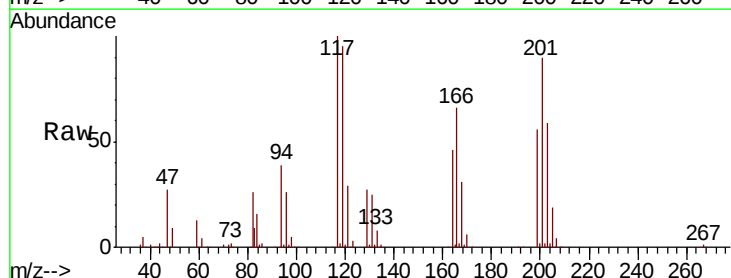
Acq: 1 Oct 2018 11:12

Tgt Ion: 117 Resp: 103138

Ion Ratio Lower Upper

117 100

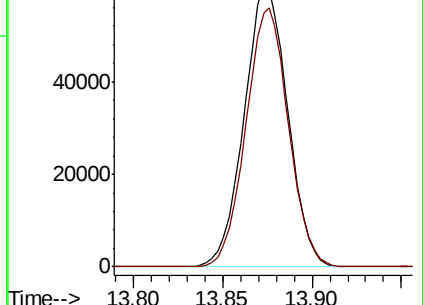
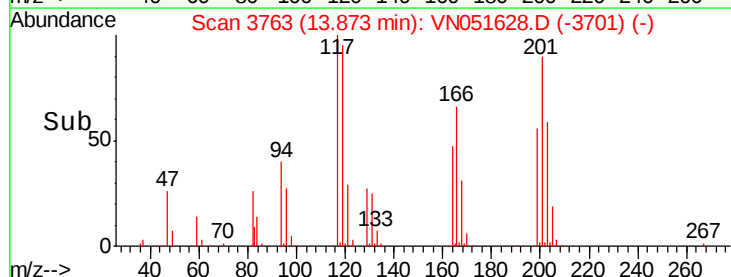
201 90.4 42.9 128.5

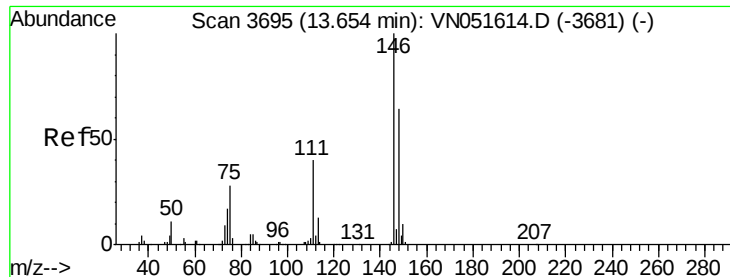


Abundance Ion 117.00 (116.70 to 117.70): VN051614.D (-3746) (-)

Ion 201.00 (200.70 to 201.70): VN051614.D (-3746) (-)

Time-->

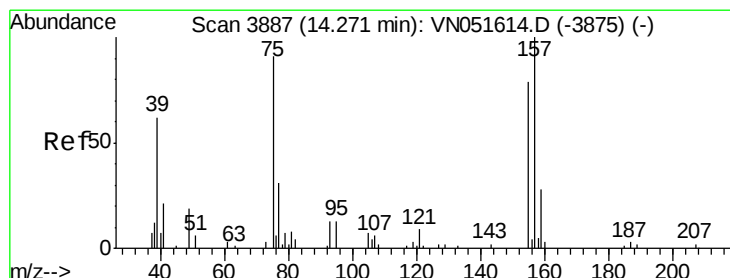
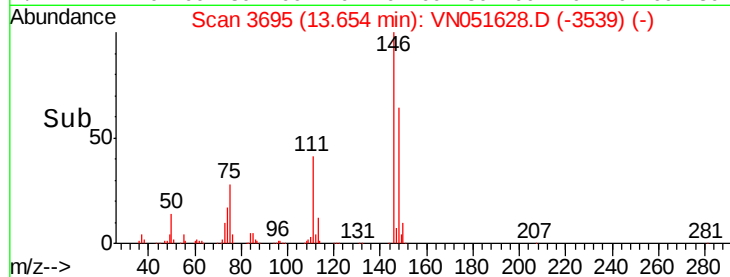
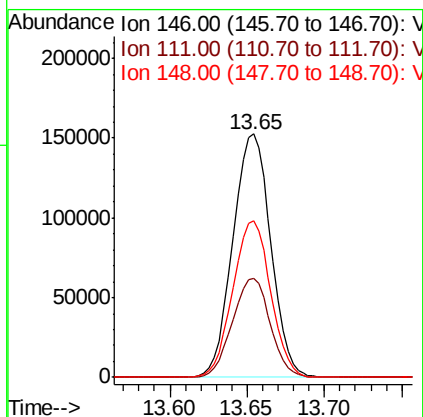
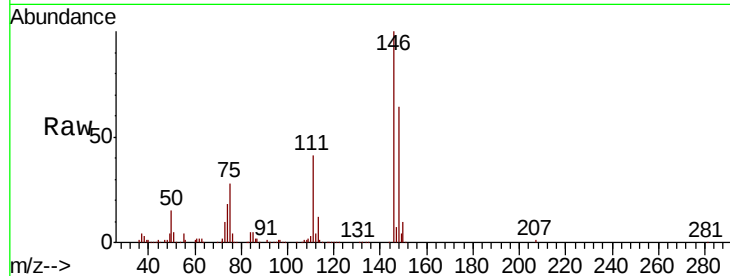




#87
 1,2-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

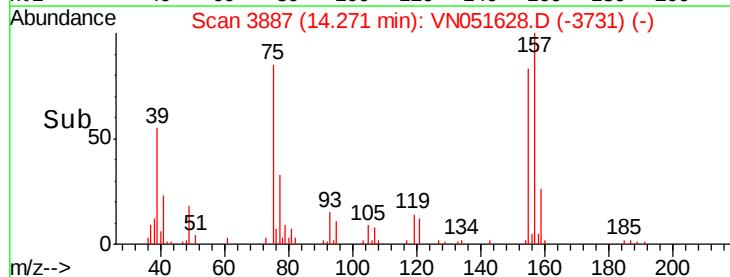
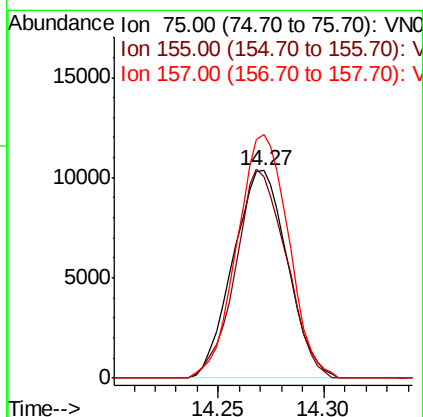
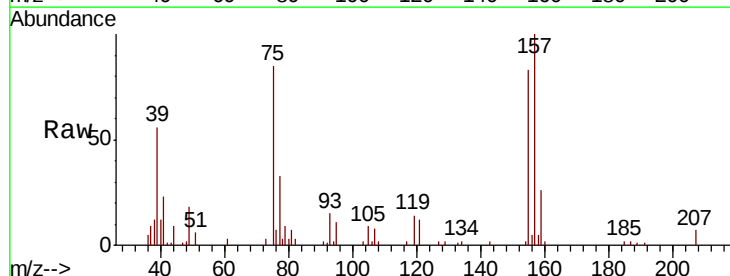
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

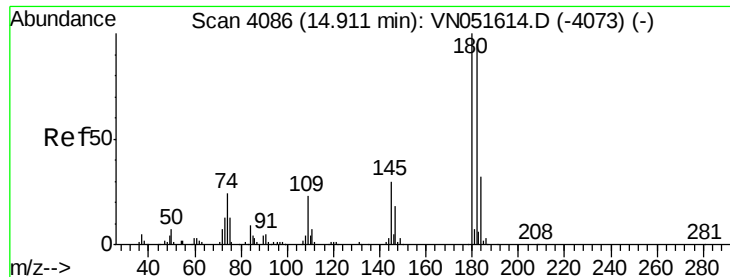
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.3
148	64.2	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.446 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	67.1	100.7
157	111.2	85.8	128.6

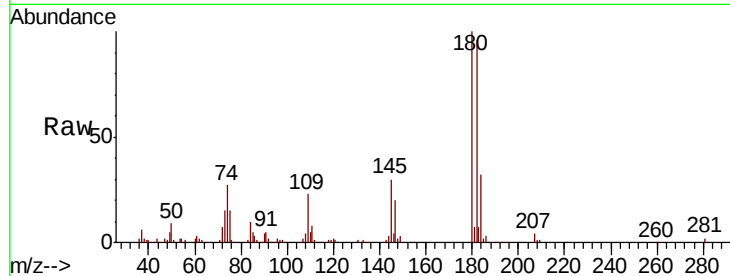




#89
1,2,4-Trichlorobenzene
Concen: 16.395 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
145	28.3	22.9	34.3

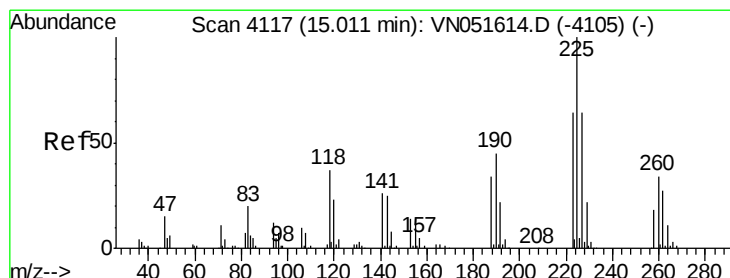
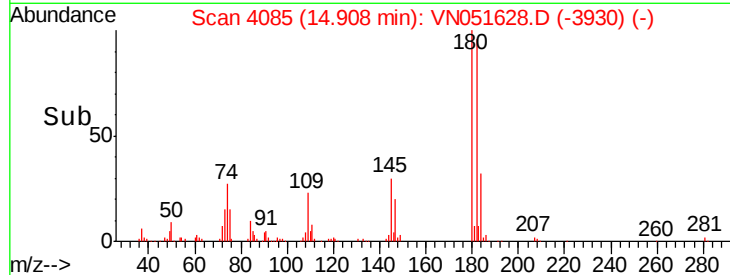
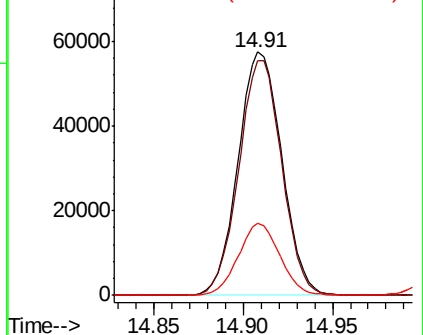


Abundance

Ion 180.00 (179.70 to 180.70): V

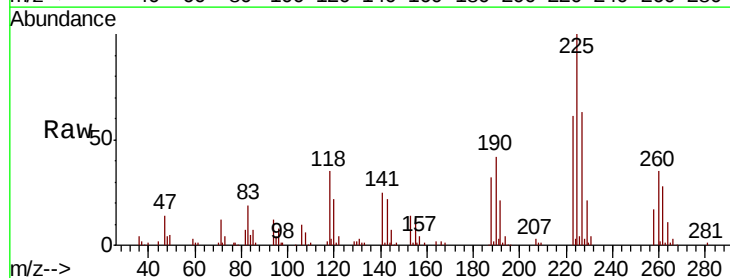
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 20.748 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	0.0	131.0
227	61.5	0.0	129.0

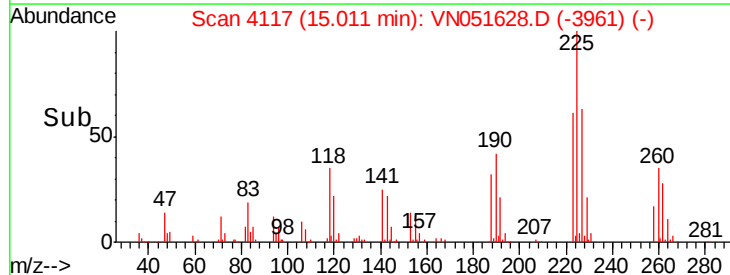
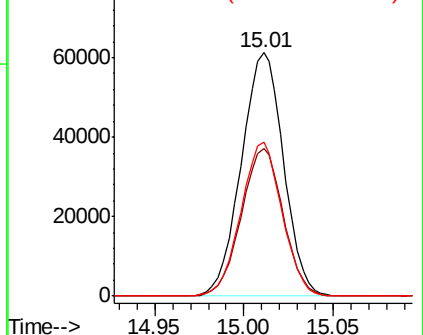


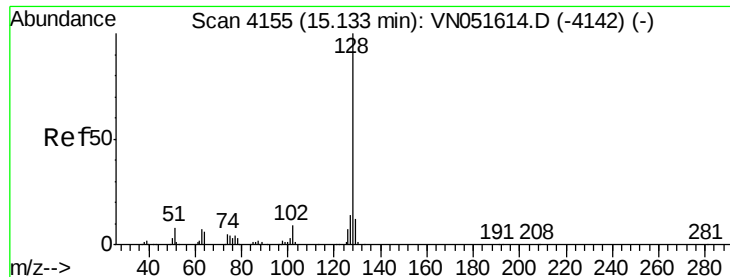
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 17.521 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

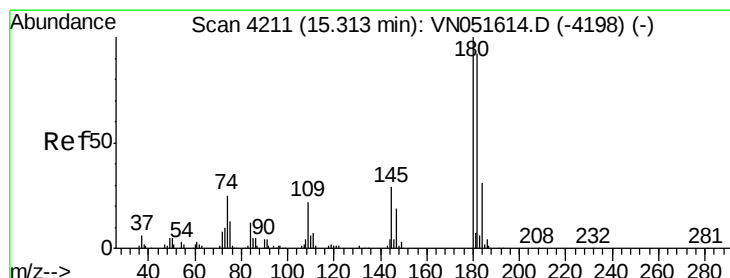
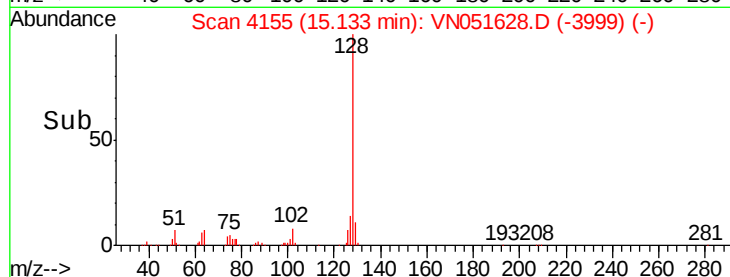
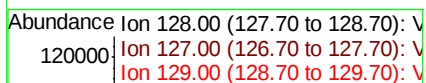
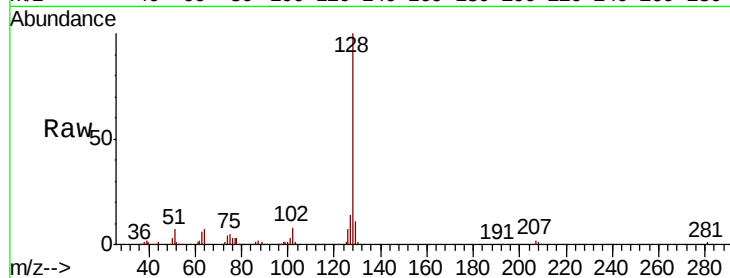
Tot Ion:128 Resp: 162848

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 10.5 9.1 13.7



#92

1,2,3-Trichlorobenzene

Concen: 17.207 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion:180 Resp: 103706

Ion Ratio Lower Upper

180 100

182 94.0 0.0 191.8

145 30.0 0.0 60.4

