

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053019.D
 Acq On : 19 Dec 2018 18:50
 Operator : MD\SY
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Quant Time: Dec 20 05:23:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1091544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1682165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1517231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	679006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	574077	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.59	113	440405	57.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.62%	
50) Toluene-d8	10.09	98	2090798	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	713710	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	215731	19.528	ug/l	100
3) Chloromethane	2.06	50	266018	19.871	ug/l	99
4) Vinyl Chloride	2.19	62	267862	19.757	ug/l	98
5) Bromomethane	2.58	94	171478	18.255	ug/l	99
6) Chloroethane	2.71	64	158372	19.723	ug/l	98
7) Trichlorofluoromethane	3.02	101	341422	20.215	ug/l	98
8) Diethyl Ether	3.41	74	131372	20.618	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	212508	19.734	ug/l	98
10) Methyl Iodide	3.96	142	296429	19.601	ug/l	99
11) Tert butyl alcohol	4.78	59	73682	109.016	ug/l	100
12) 1,1-Dichloroethene	3.74	96	205069	19.711	ug/l	96
13) Acrolein	3.61	56	76877	125.442	ug/l	98
14) Allyl chloride	4.33	41	309112	19.181	ug/l	98
15) Acrylonitrile	4.99	53	392641	104.569	ug/l	100
16) Acetone	3.82	43	246973	113.714	ug/l	96
17) Carbon Disulfide	4.06	76	580345	17.104	ug/l	99
18) Methyl Acetate	4.33	43	199914	20.870	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	581047	20.870	ug/l	99
20) Methylene Chloride	4.55	84	238616	20.141	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	218822	19.576	ug/l	99
22) Diisopropyl ether	5.95	45	723101	21.021	ug/l	98
23) Vinyl Acetate	5.90	43	2103892	106.365	ug/l	99
24) 1,1-Dichloroethane	5.85	63	415618	20.333	ug/l	99
25) 2-Butanone	6.83	43	410128	112.520	ug/l	97
26) 2,2-Dichloropropane	6.83	77	261275	16.745	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	254150	20.083	ug/l	98
28) Bromochloromethane	7.20	49	182851	20.644	ug/l	95
29) Tetrahydrofuran	7.21	42	292682	107.513	ug/l	97
30) Chloroform	7.37	83	405009	20.170	ug/l	100
31) Cyclohexane	7.66	56	401856	20.339	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	334623	19.563	ug/l	99
36) 1,1-Dichloropropene	7.79	75	312577	19.360	ug/l	99
37) Ethyl Acetate	6.93	43	197468	21.908	ug/l	99
38) Carbon Tetrachloride	7.78	117	284449	19.221	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	371754	18.954	ug/l	97
40) Benzene	8.04	78	959231	19.973	ug/l	99
41) Methacrylonitrile	7.18	41	111011	21.316	ug/l	97
42) 1,2-Dichloroethane	8.12	62	283202	19.961	ug/l	98
43) Isopropyl Acetate	8.16	43	371237	20.671	ug/l	99
44) Trichloroethene	8.84	130	270101	19.444	ug/l	97
45) 1,2-Dichloropropane	9.12	63	255300	20.409	ug/l	98
46) Dibromomethane	9.21	93	147270	20.209	ug/l	98
47) Bromodichloromethane	9.40	83	301054	19.435	ug/l	98
48) Methyl methacrylate	9.20	41	179644	20.539	ug/l	98
49) 1,4-Dioxane	9.20	88	46304	418.520	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	949912	108.825	ug/l	99
52) Toluene	10.16	92	597815	20.083	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	300835	18.469	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	363058	19.418	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	209706	20.193	ug/l	99
56) Ethyl methacrylate	10.43	69	281199	20.458	ug/l	99
57) 1,3-Dichloropropane	10.71	76	362974	20.382	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	780383	103.414	ug/l	98
59) 2-Hexanone	10.75	43	634857	107.498	ug/l	99
60) Dibromochloromethane	10.90	129	227531	19.141	ug/l	100
61) 1,2-Dibromoethane	11.01	107	213288	20.223	ug/l	99
64) Tetrachloroethene	10.63	164	314091	19.111	ug/l	99
65) Chlorobenzene	11.43	112	659596	19.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226548	19.370	ug/l	99
67) Ethyl Benzene	11.51	91	1135980	19.640	ug/l	100
68) m/p-Xylenes	11.62	106	895737	40.737	ug/l	99
69) o-Xylene	11.95	106	422951	20.046	ug/l	100
70) Styrene	11.96	104	687106	19.971	ug/l	99
71) Bromoform	12.13	173	153745	18.197	ug/l #	100
73) Isopropylbenzene	12.25	105	1111858	20.929	ug/l	100
74) N-amyl acetate	12.07	43	323292	21.918	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	231633	22.224	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	319422	27.945	ug/l #	100
77) Bromobenzene	12.53	156	368536	26.687	ug/l	73
78) n-propylbenzene	12.59	91	1241176	20.513	ug/l	99
79) 2-Chlorotoluene	12.67	91	732910	19.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	871896	20.135	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65444	18.454	ug/l	98
82) 4-Chlorotoluene	12.77	91	734409	20.004	ug/l	99
83) tert-Butylbenzene	12.99	119	770056	20.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	879214	20.197	ug/l	100
85) sec-Butylbenzene	13.17	105	1011146	19.520	ug/l	99
86) p-Isopropyltoluene	13.29	119	865399	19.334	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	473650	19.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	477851	19.306	ug/l	100
89) n-Butylbenzene	13.62	91	690593	17.934	ug/l	99
90) Hexachloroethane	13.88	117	121432	17.679	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	447391	19.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33733	18.718	ug/l	95

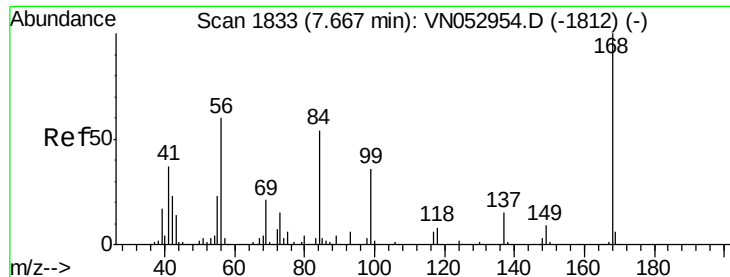
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	230631	19.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	129146	18.667	ug/l	100
95) Naphthalene	15.13	128	545993	21.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	214522	19.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampled :

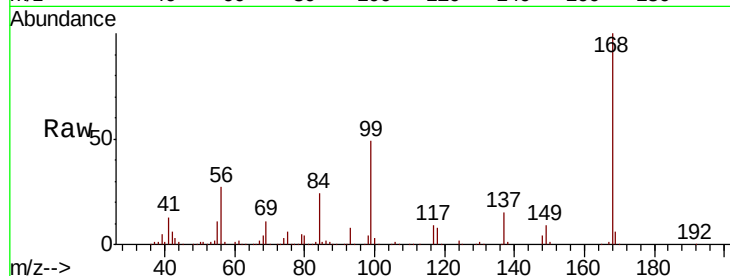
VN1219WBSD01

Tot Ion:168 Resp: 1091544

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

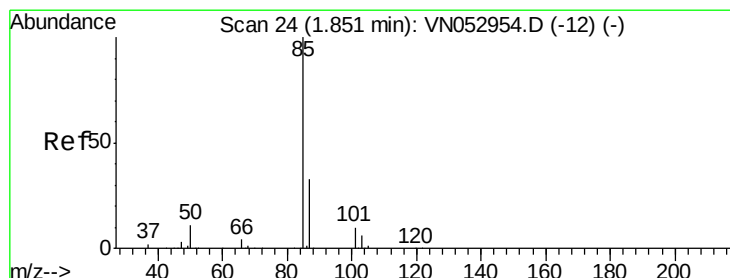
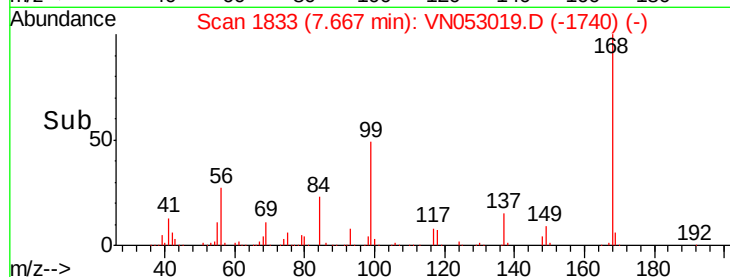
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.528 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053019.D

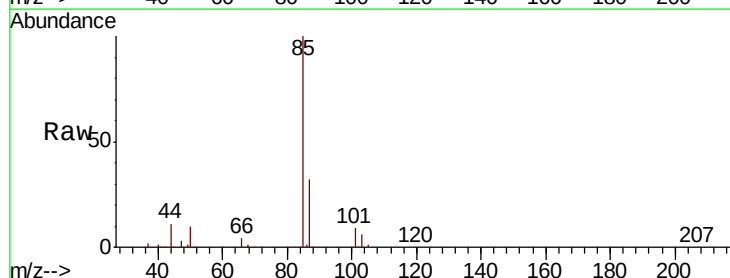
Acq: 19 Dec 2018 18:50

Tgt Ion: 85 Resp: 215731

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

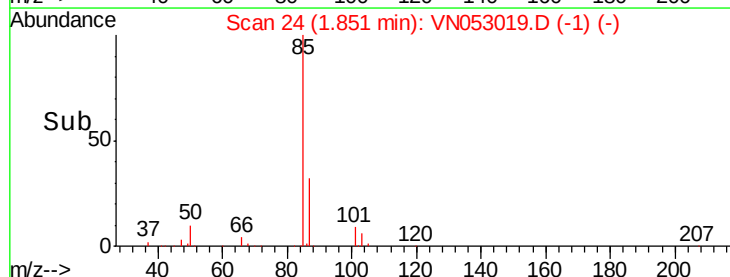
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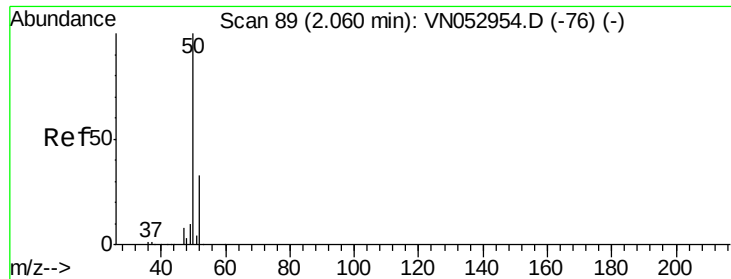
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.871 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

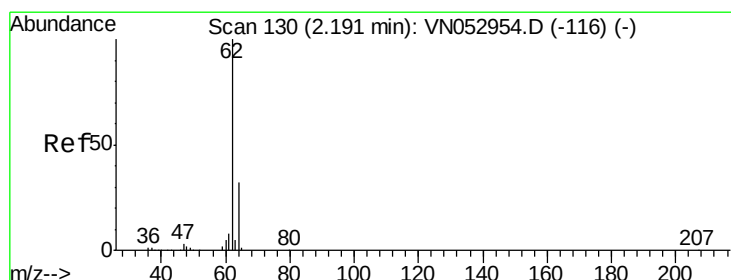
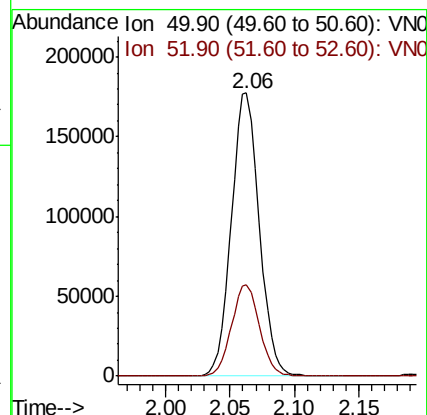
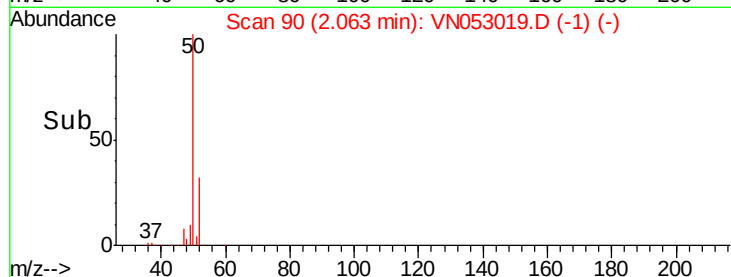
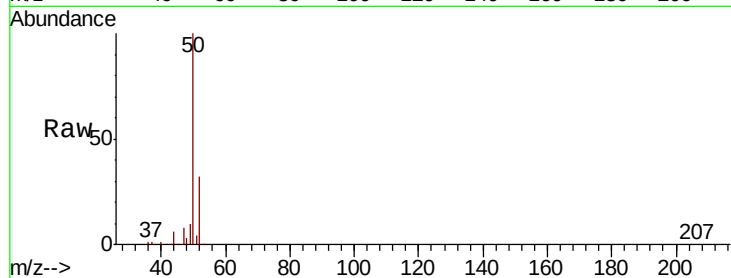
VN1219WBSD01

Tot Ion: 50 Resp: 266018

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4



#4

Vinyl Chloride

Concen: 19.757 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053019.D

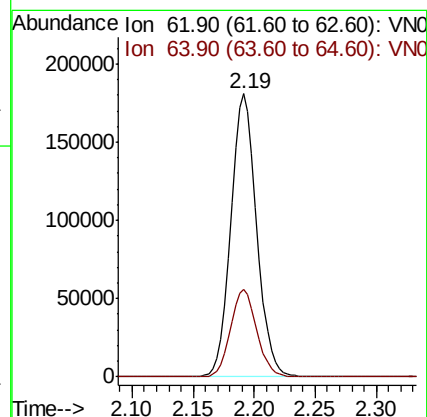
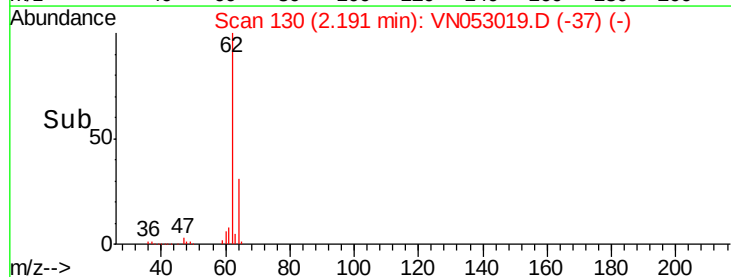
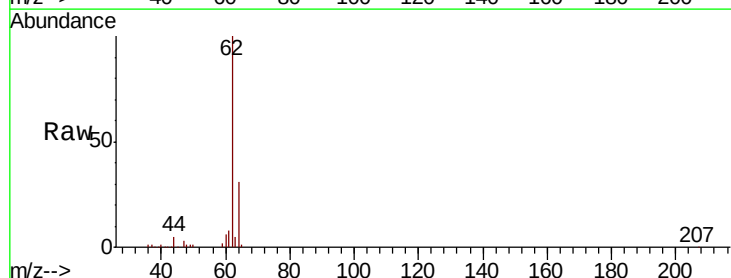
Acq: 19 Dec 2018 18:50

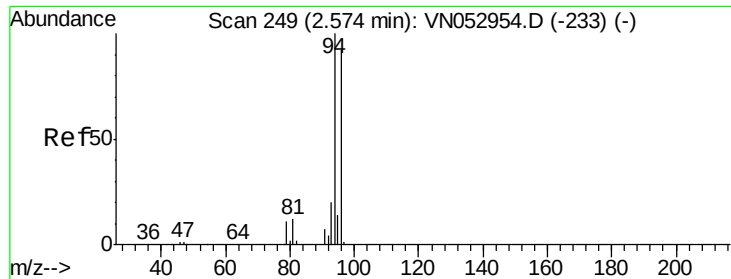
Tgt Ion: 62 Resp: 267862

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 18.255 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

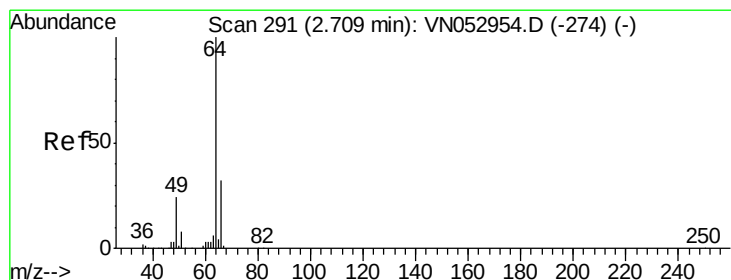
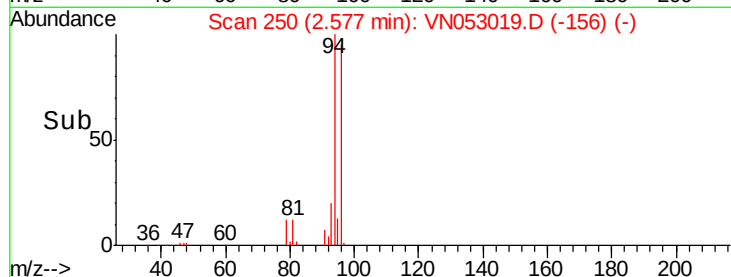
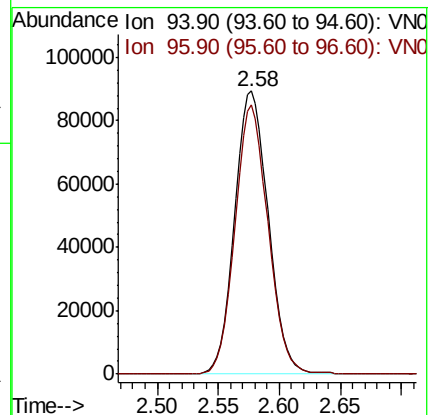
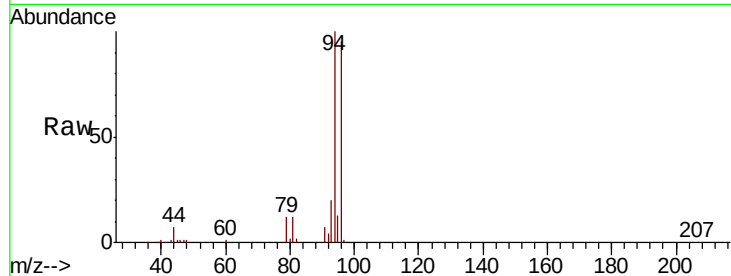
VN1219WBSD01

Tot Ion: 94 Resp: 171478

Ion Ratio Lower Upper

94 100

96 95.1 75.0 112.4



#6

Chloroethane

Concen: 19.723 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053019.D

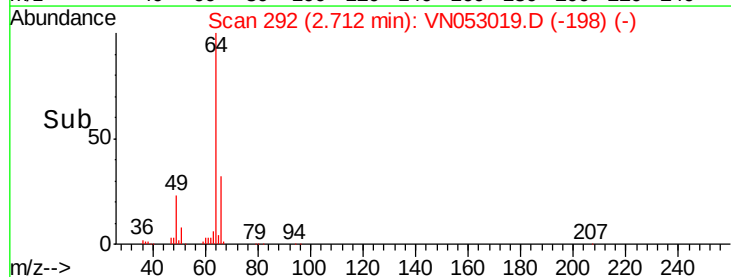
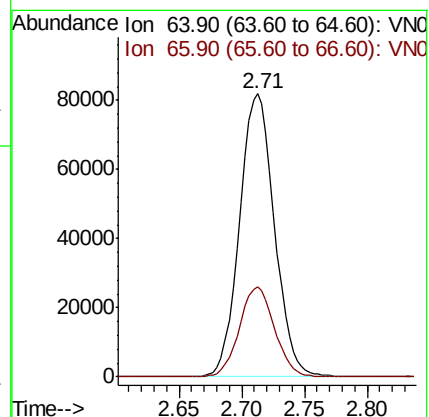
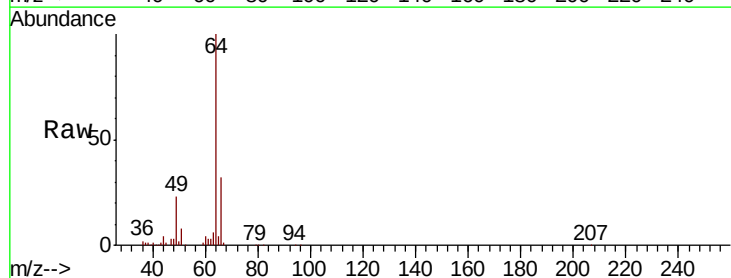
Acq: 19 Dec 2018 18:50

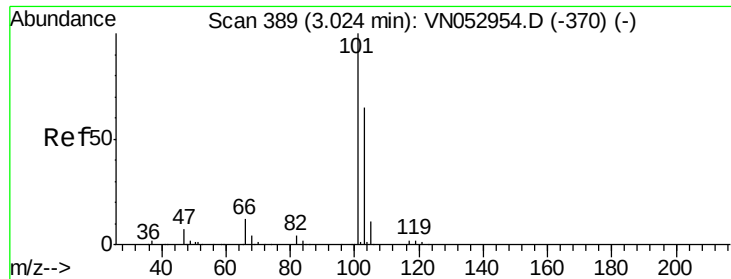
Tgt Ion: 64 Resp: 158372

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2



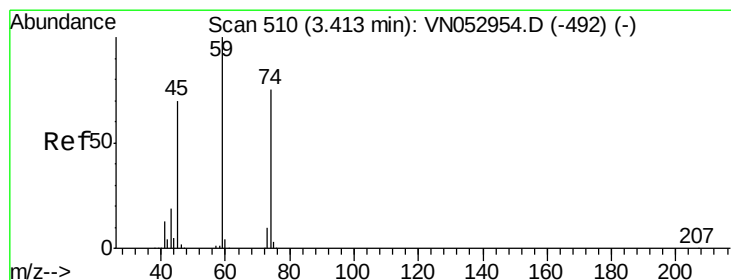
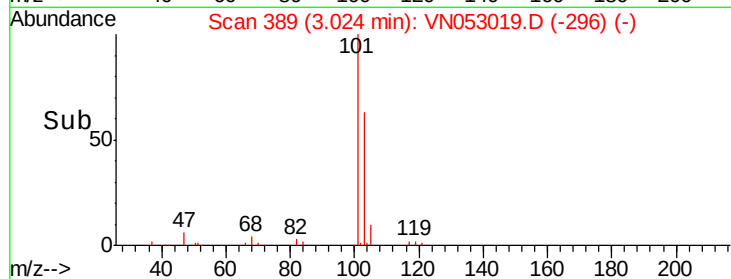
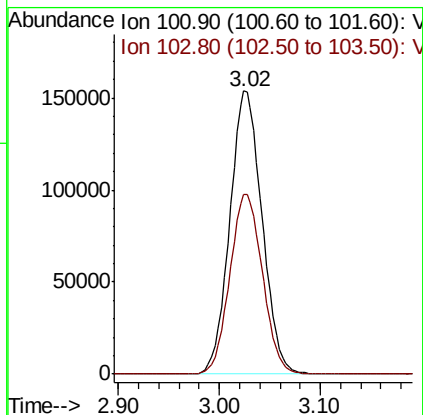
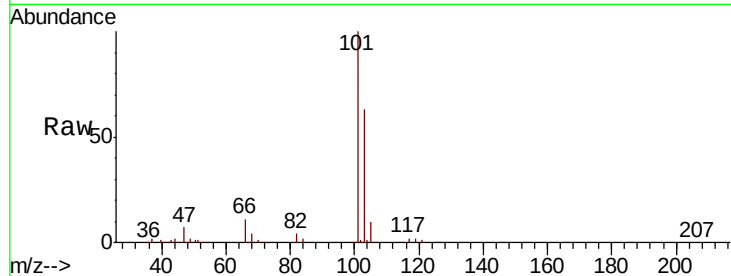


#7

Trichlorofluoromethane
 Concen: 20.215 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Instrument :
 MSVOA_N
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 VN1219WBSD01

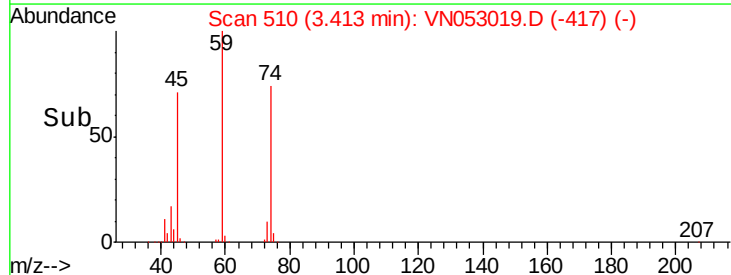
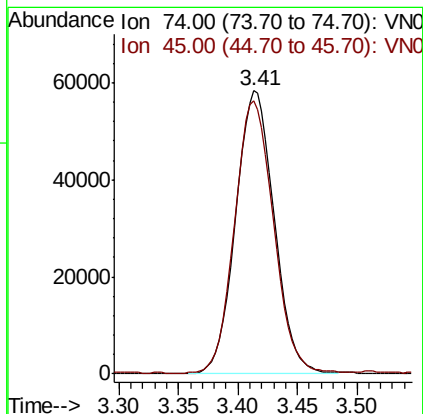
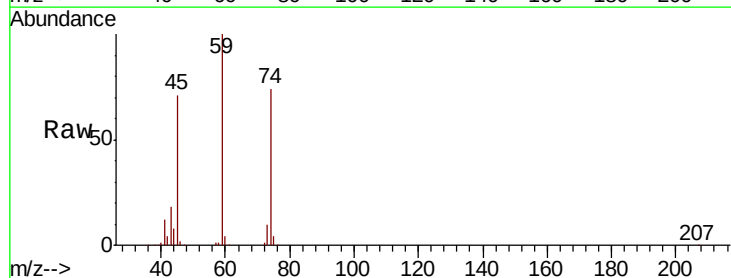
Tot Ion:101 Resp: 341422
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.8 77.6

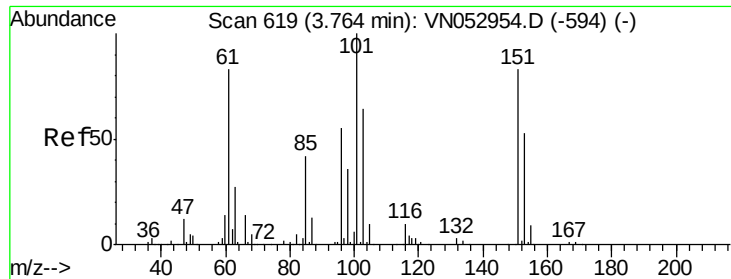


#8

Diethyl Ether
 Concen: 20.618 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 74 Resp: 131372
 Ion Ratio Lower Upper
 74 100
 45 97.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.734 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

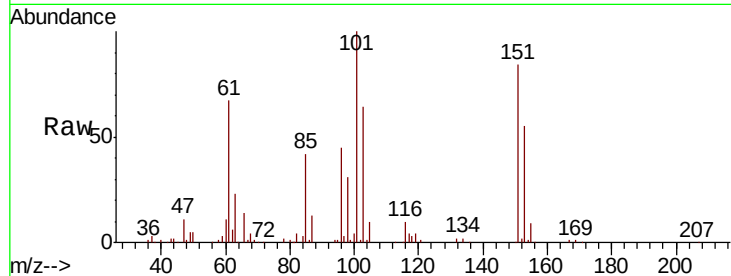
Tot Ion:101 Resp: 212508

Ion Ratio Lower Upper

101 100

85 41.2 33.6 50.4

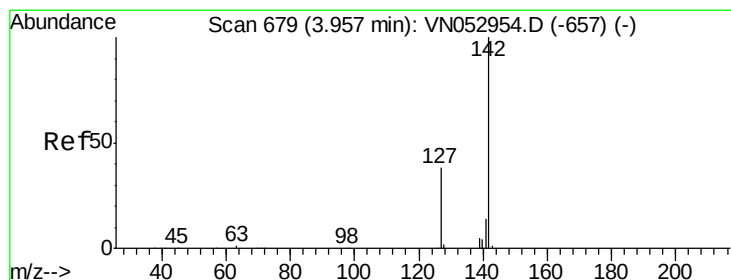
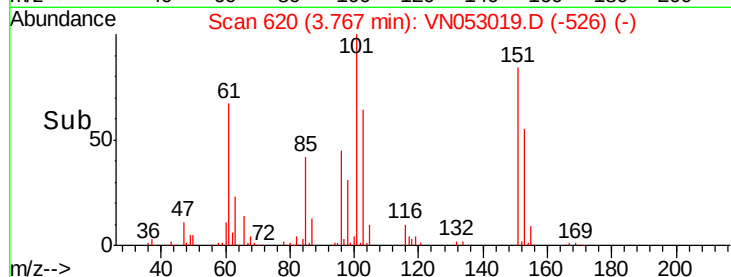
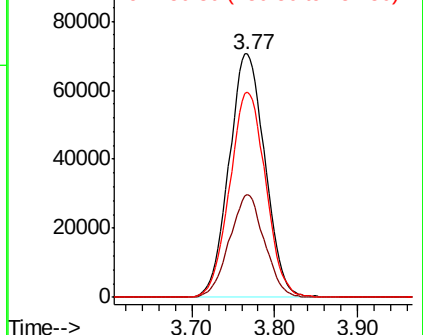
151 84.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.601 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

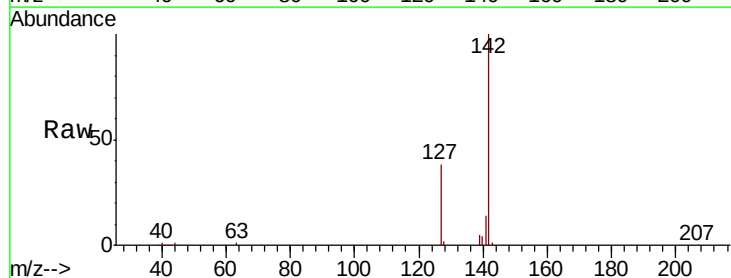
Tgt Ion:142 Resp: 296429

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.6

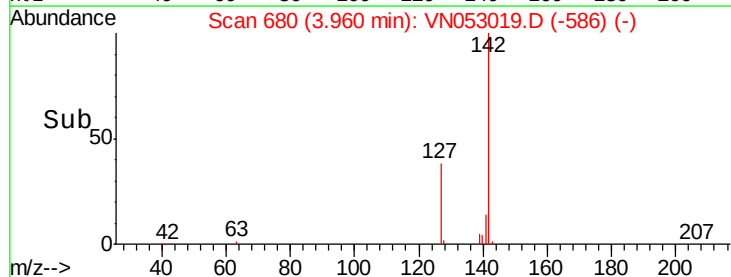
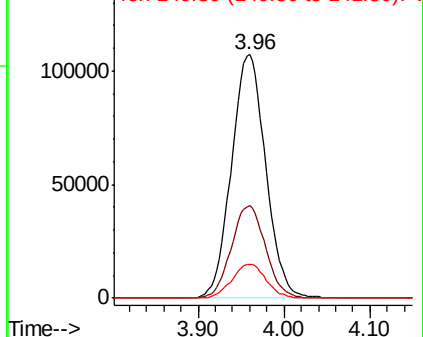
141 13.8 11.2 16.8

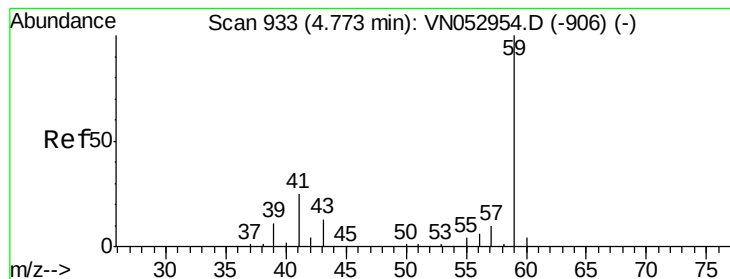


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



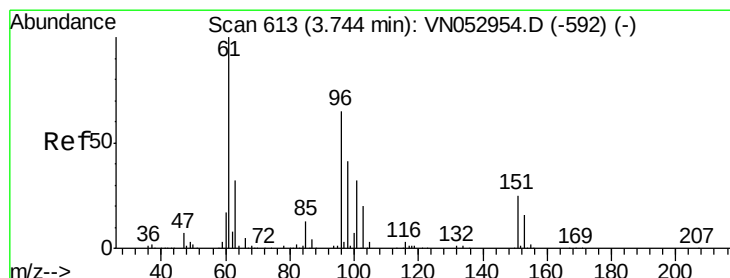
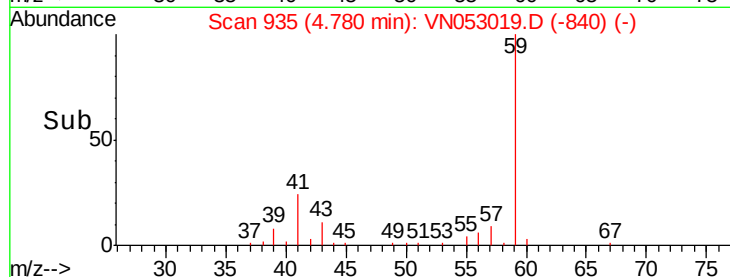
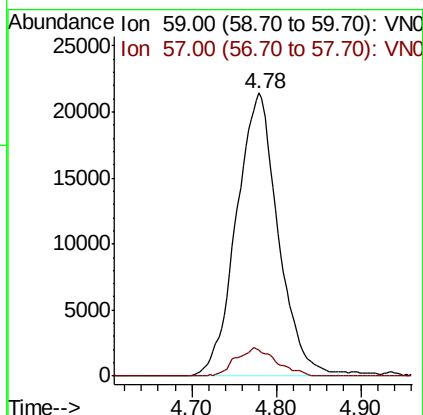
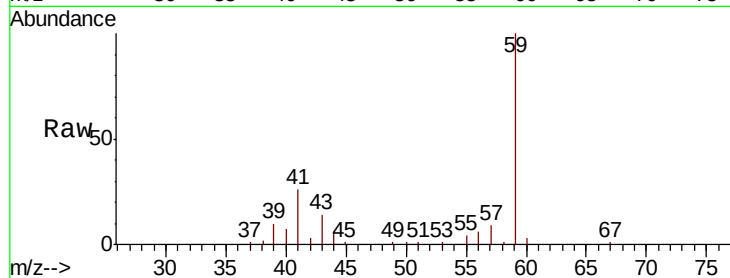


#11

Tert butyl alcohol
 Concen: 109.016 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

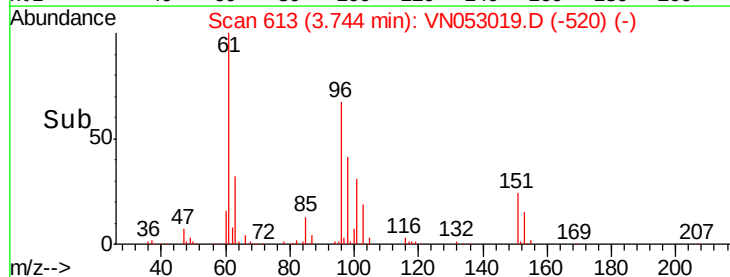
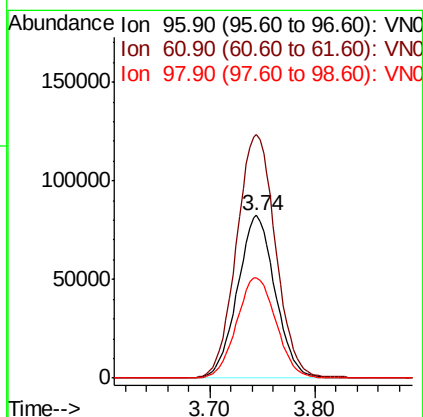
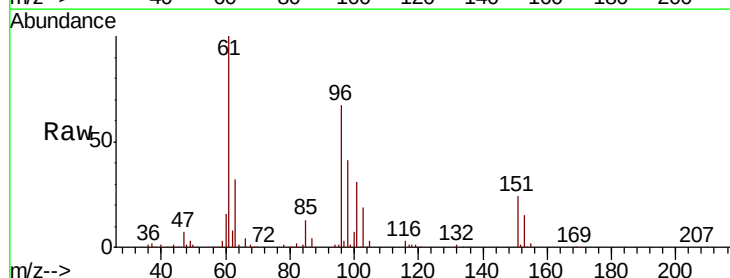
Tot Ion: 59 Resp: 73682
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.7 11.5

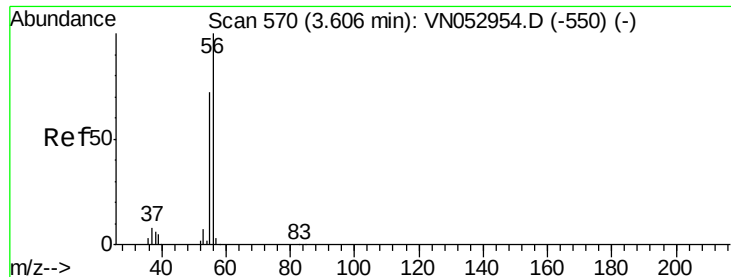


#12

1,1-Dichloroethene
 Concen: 19.711 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 96 Resp: 205069
 Ion Ratio Lower Upper
 96 100
 61 149.7 125.6 188.4
 98 62.0 50.6 75.8





#13

Acrolein

Concen: 125.442 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

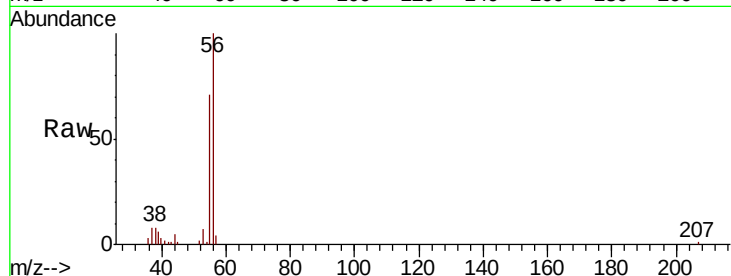
VN1219WBSD01

Tot Ion: 56 Resp: 76877

Ion Ratio Lower Upper

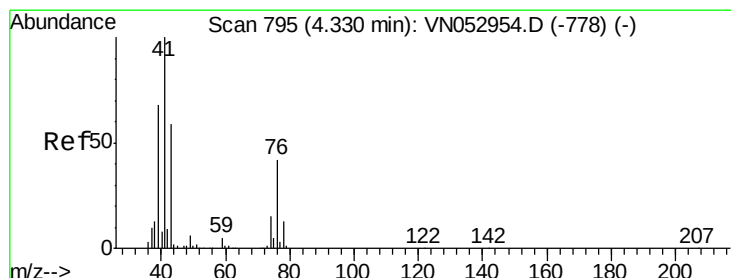
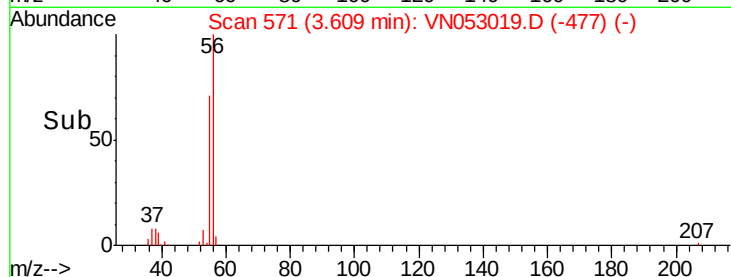
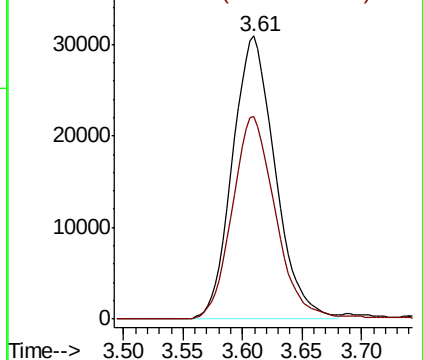
56 100

55 72.1 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.181 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

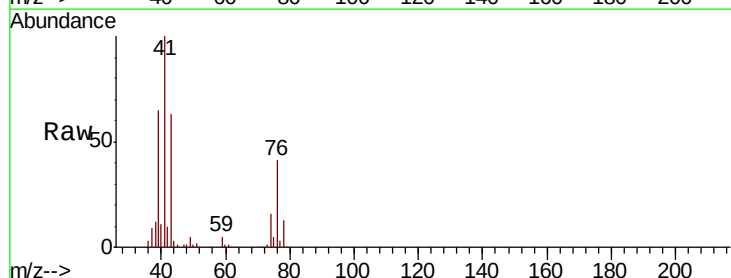
Tgt Ion: 41 Resp: 309112

Ion Ratio Lower Upper

41 100

39 68.3 54.1 81.1

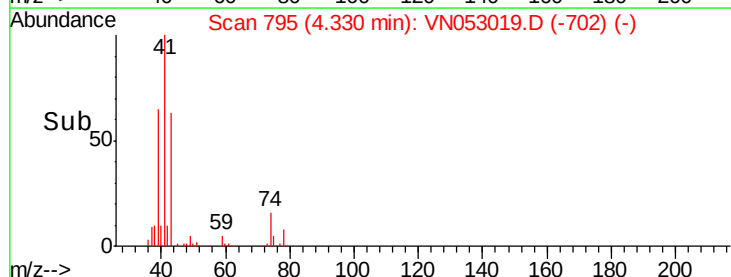
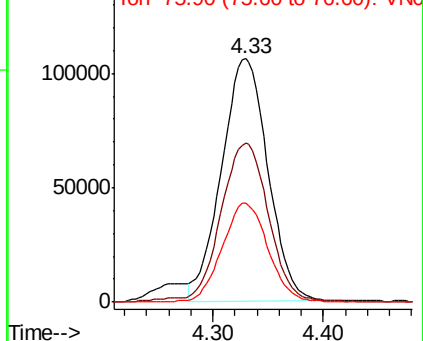
76 40.0 30.3 45.5

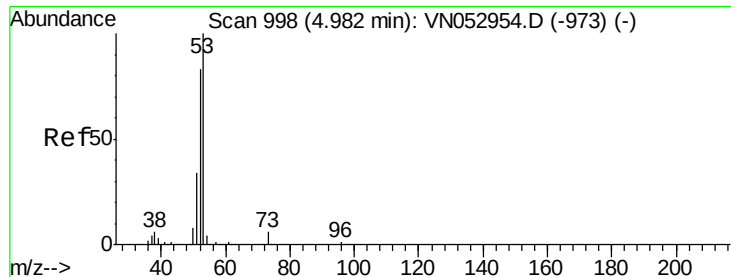


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.569 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

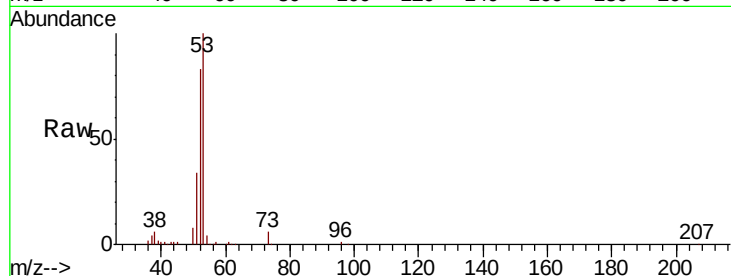
Tot Ion: 53 Resp: 392641

Ion Ratio Lower Upper

53 100

52 81.6 65.1 97.7

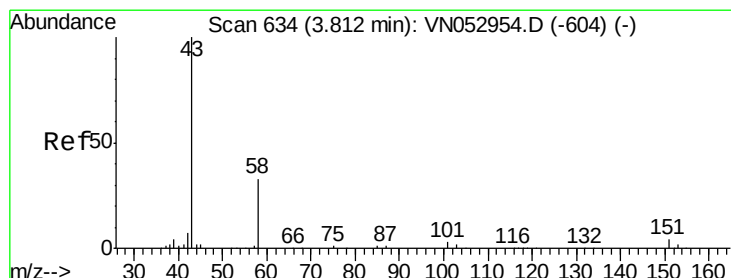
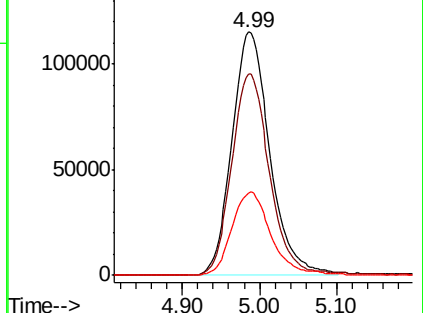
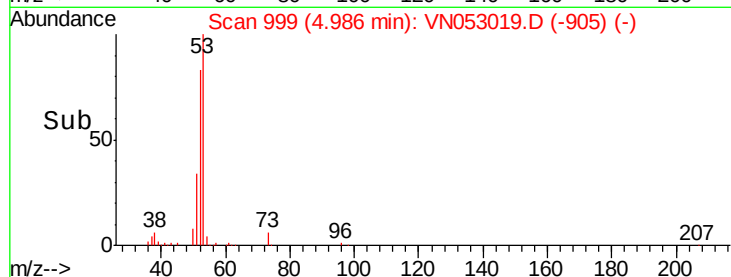
51 34.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053019.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053019.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053019.D (-905) (-)



#16

Acetone

Concen: 113.714 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053019.D

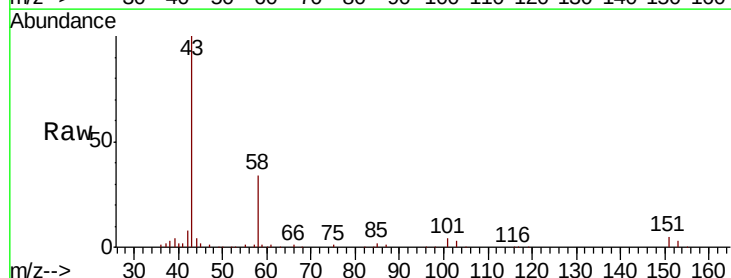
Acq: 19 Dec 2018 18:50

Tgt Ion: 43 Resp: 246973

Ion Ratio Lower Upper

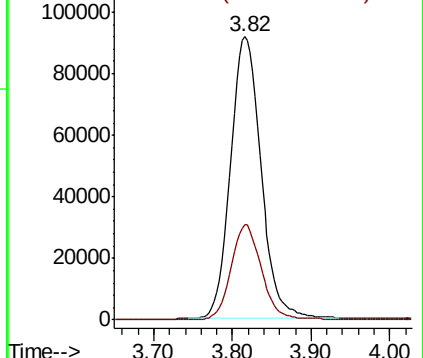
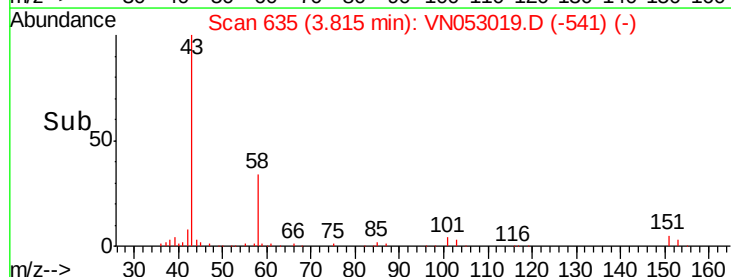
43 100

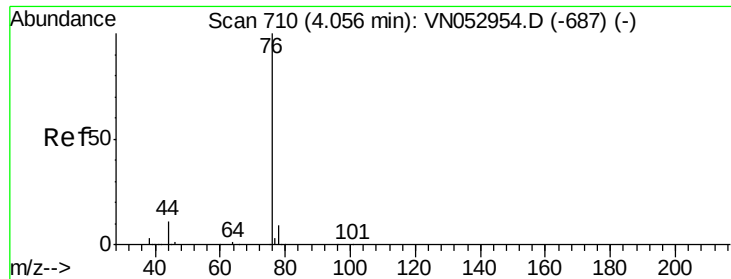
58 34.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053019.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053019.D (-541) (-)





#17

Carbon Disulfide

Concen: 17.104 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

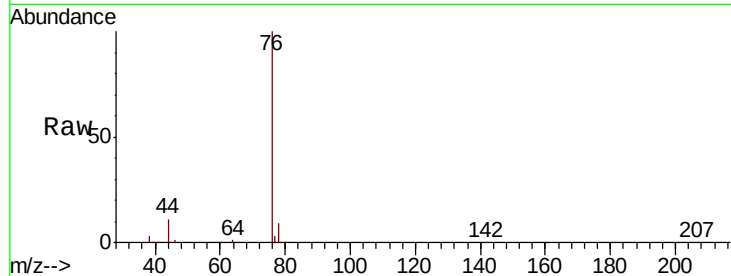
VN1219WBSD01

Tot Ion: 76 Resp: 580345

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

250000

200000

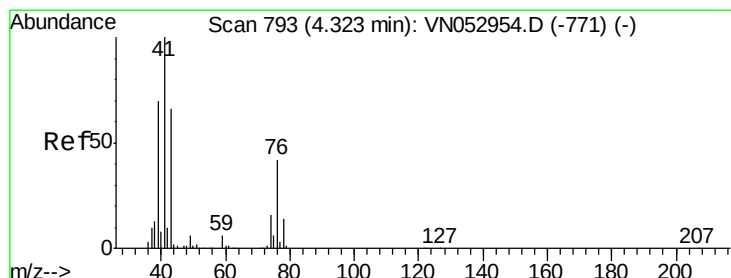
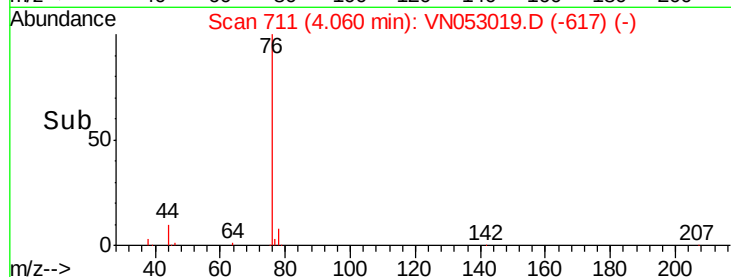
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.870 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053019.D

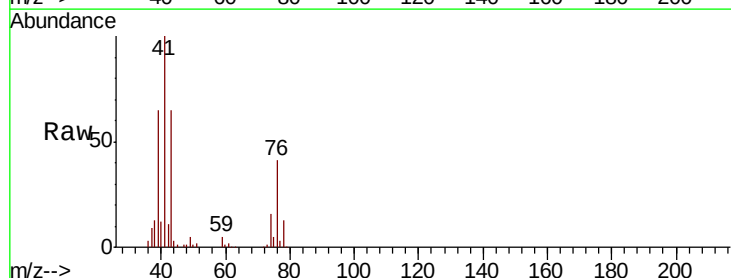
Acq: 19 Dec 2018 18:50

Tgt Ion: 43 Resp: 199914

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

80000

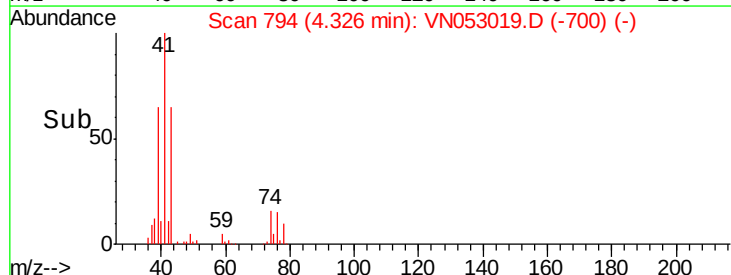
60000

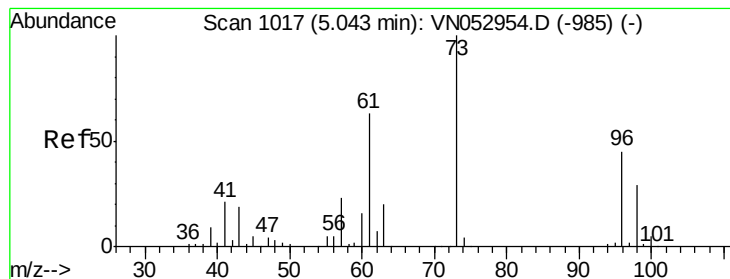
40000

20000

0

Time-->



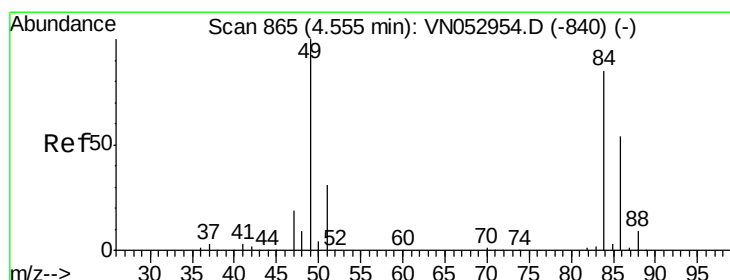
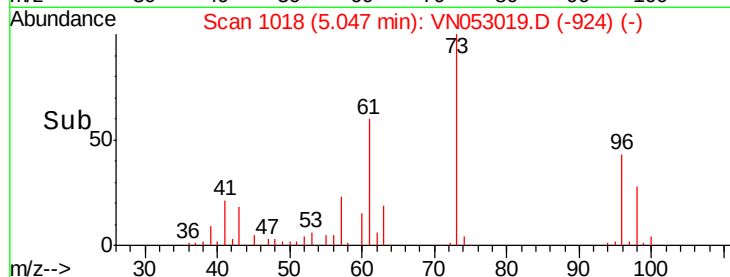
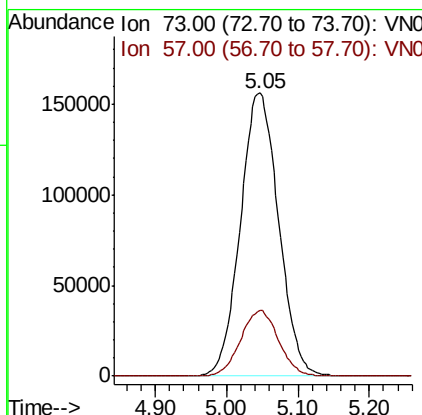
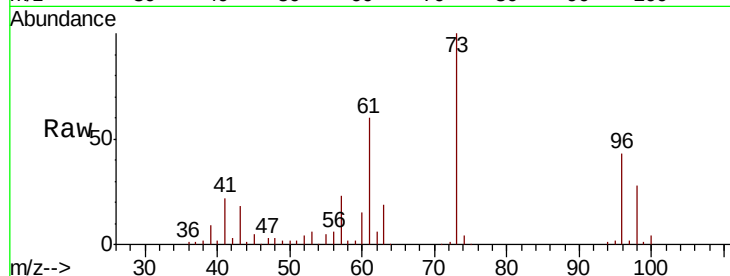


#19

Methyl tert-butyl Ether
 Concen: 20.870 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

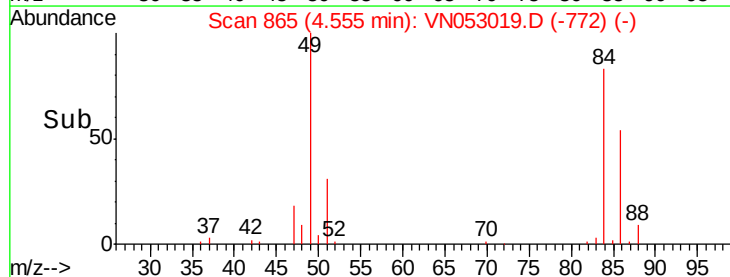
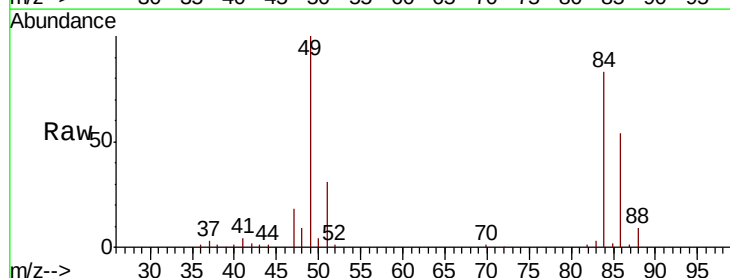
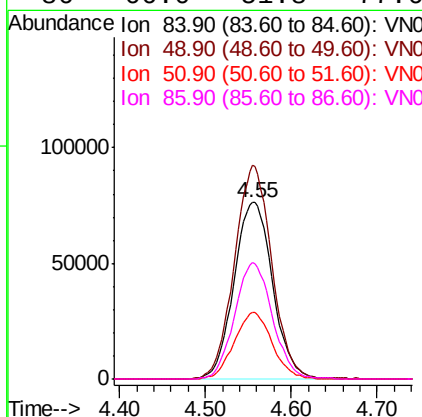
Tot Ion: 73 Resp: 581047
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.4 27.6

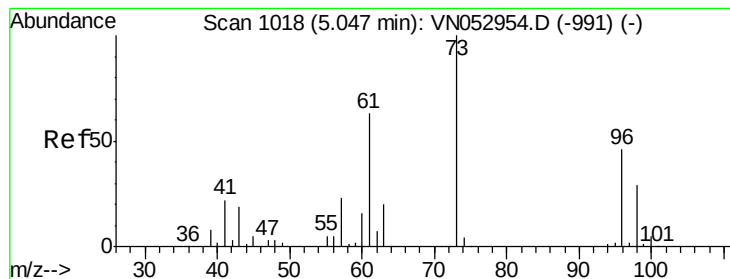


#20

Methylene Chloride
 Concen: 20.141 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 84 Resp: 238616
 Ion Ratio Lower Upper
 84 100
 49 121.2 96.8 145.2
 51 37.9 29.9 44.9
 86 66.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.576 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

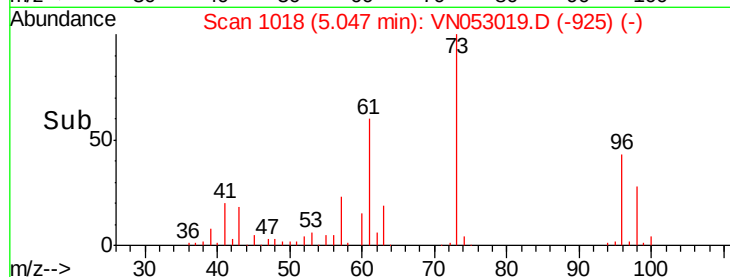
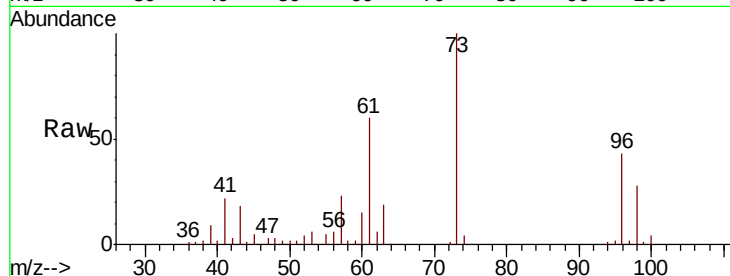
Tot Ion: 96 Resp: 218822

Ion Ratio Lower Upper

96 100

61 139.0 110.8 166.2

98 65.4 51.4 77.2

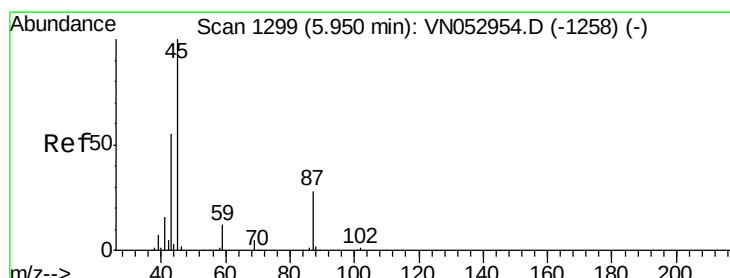
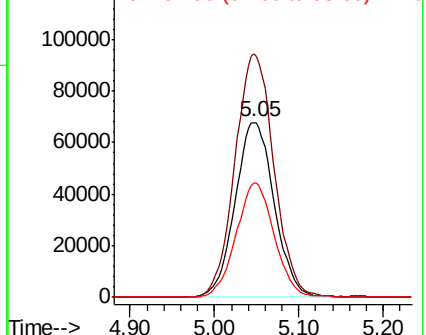


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.021 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Tgt Ion: 45 Resp: 723101

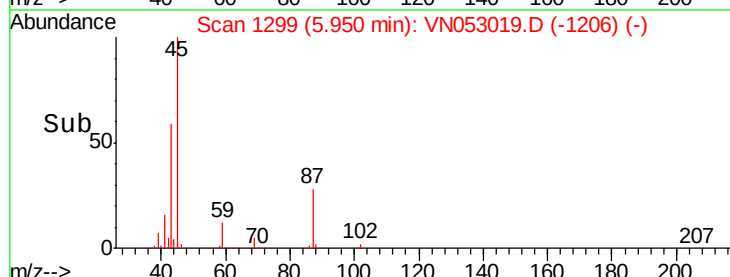
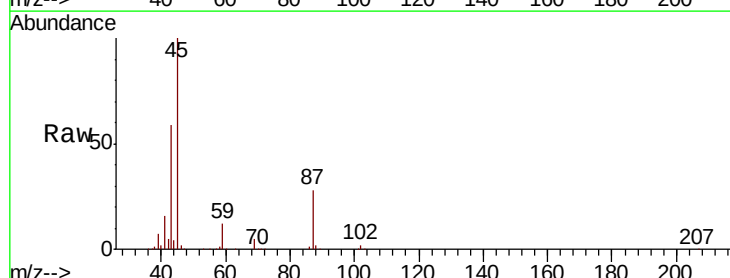
Ion Ratio Lower Upper

45 100

43 58.5 45.5 68.3

87 28.1 22.0 33.0

59 12.0 9.4 14.0



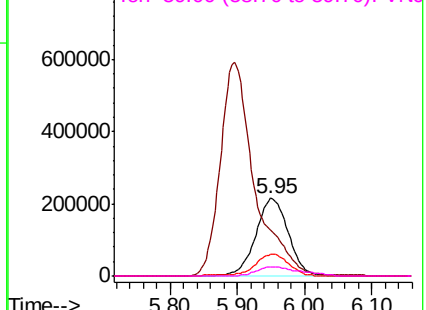
Abundance

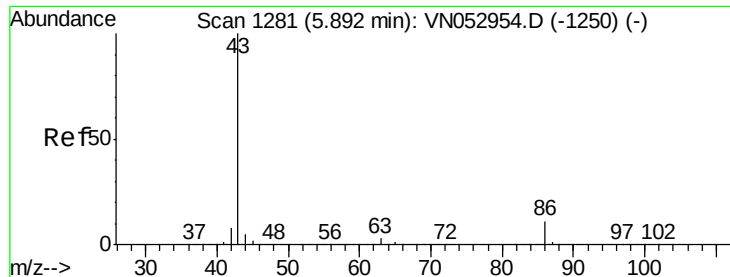
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

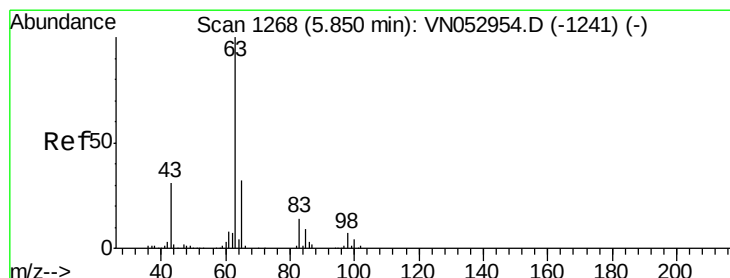
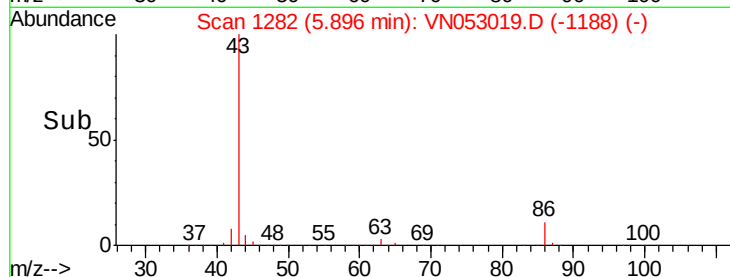
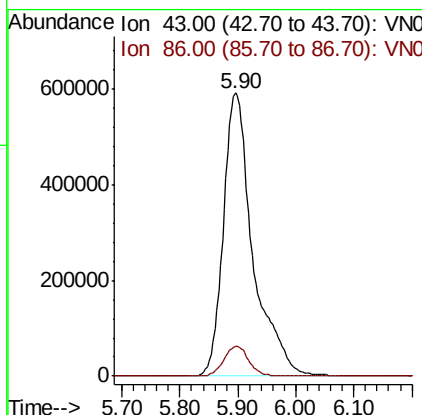
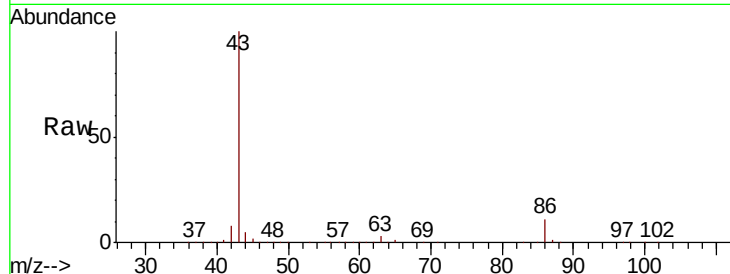




#23
 Vinyl Acetate
 Concen: 106.365 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

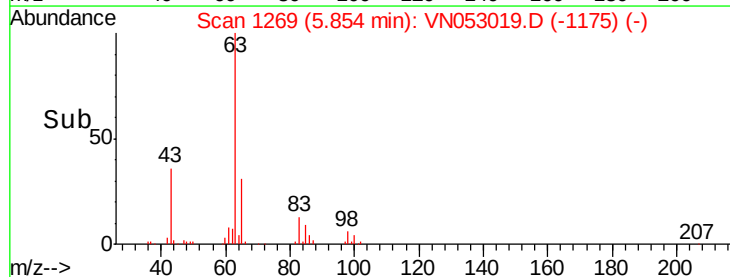
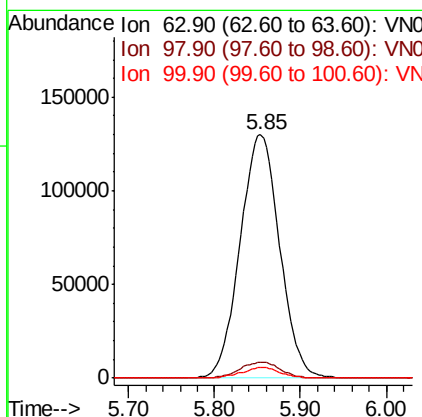
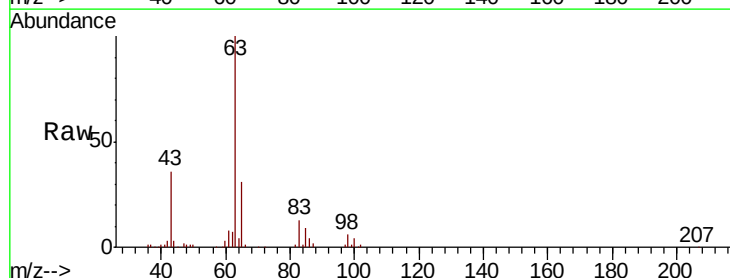
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

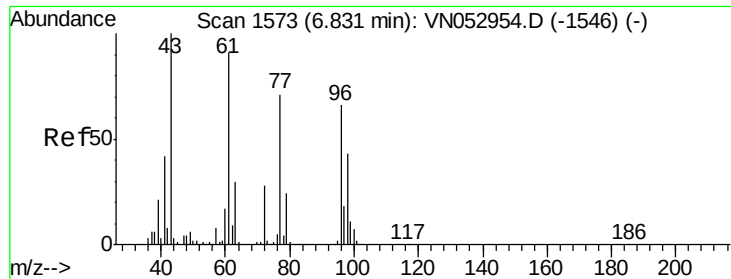
Tot Ion: 43 Resp: 2103892
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.333 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 63 Resp: 415618
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.4 2.0 5.8

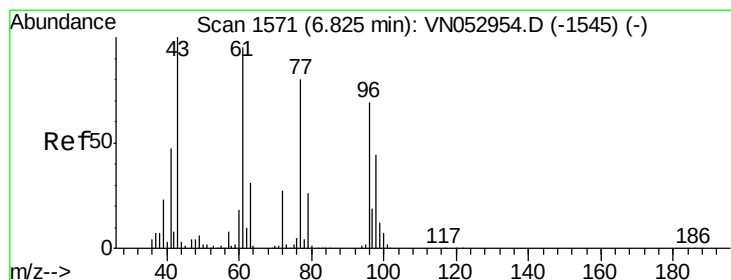
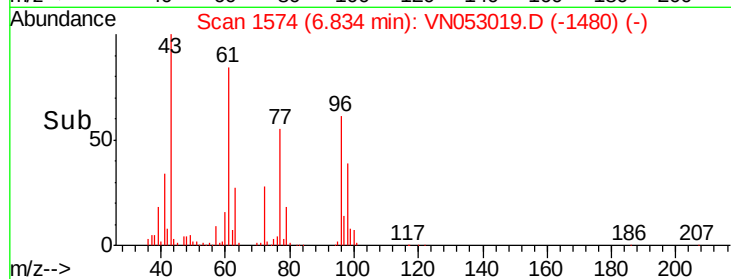
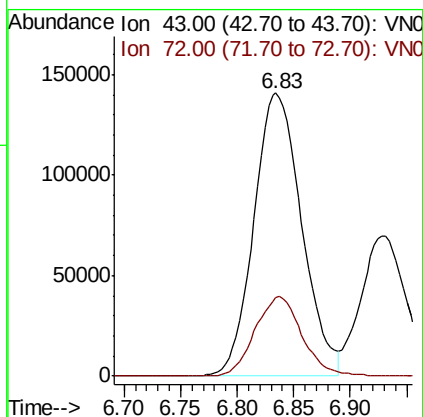
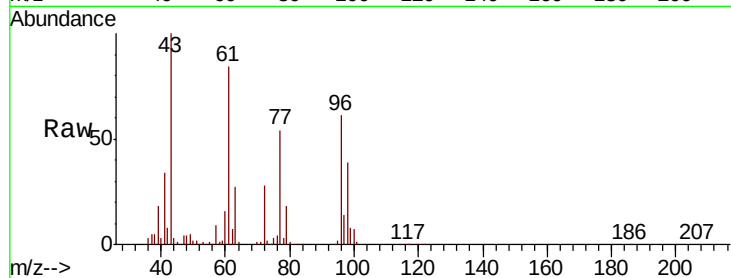




#25
2-Butanone
Concen: 112.520 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

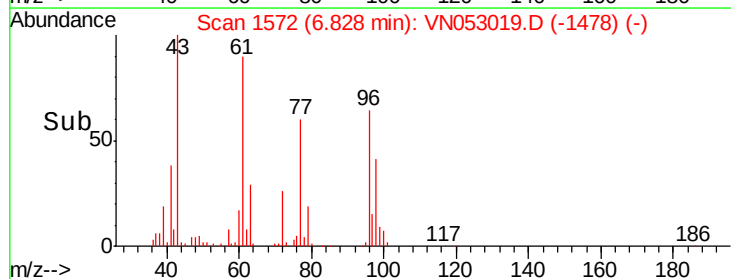
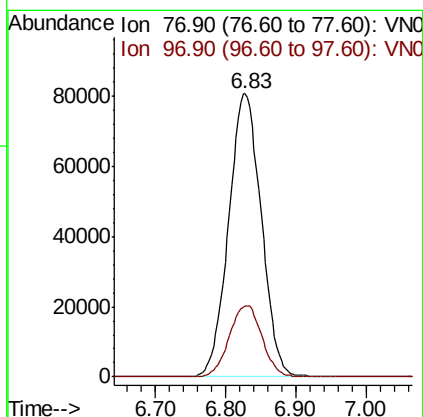
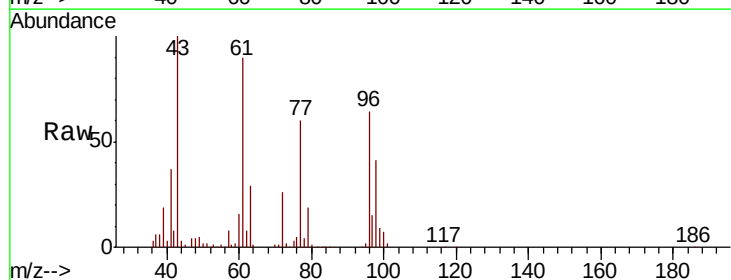
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

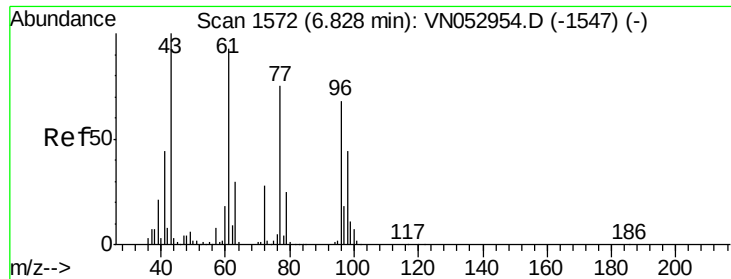
Tot Ion: 43 Resp: 410128
Ion Ratio Lower Upper
43 100
72 27.9 21.0 31.6



#26
2,2-Dichloropropane
Concen: 16.745 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 77 Resp: 261275
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.083 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

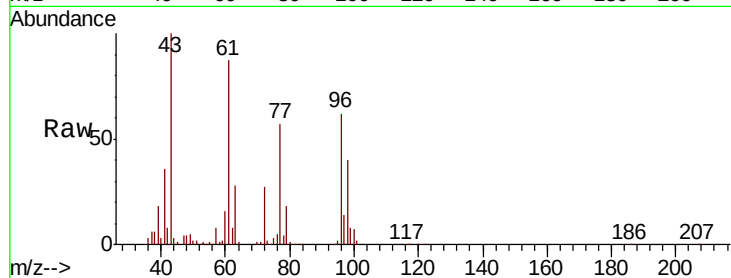
Tot Ion: 96 Resp: 254150

Ion Ratio Lower Upper

96 100

61 138.9 0.0 284.2

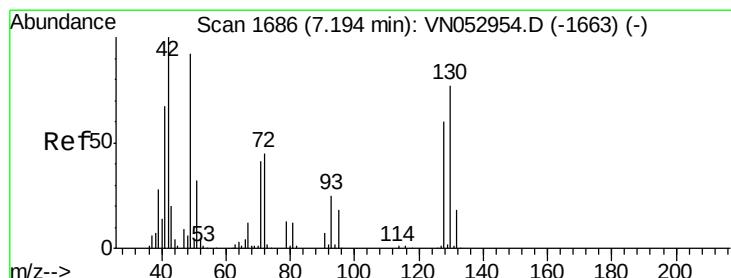
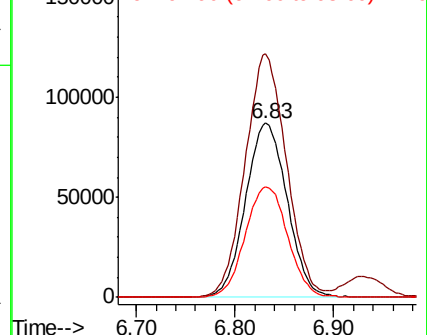
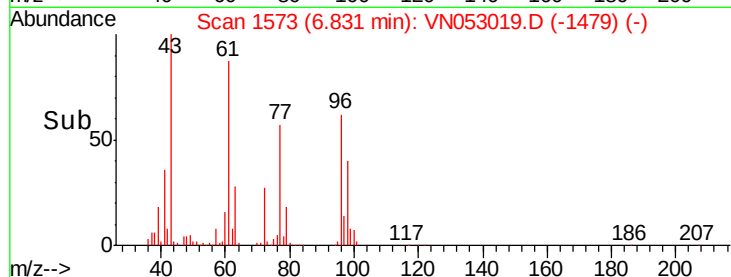
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.644 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

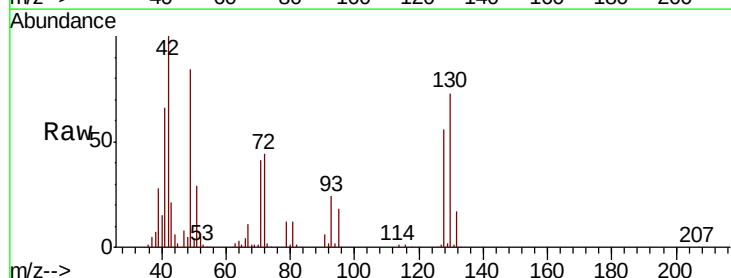
Tgt Ion: 49 Resp: 182851

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

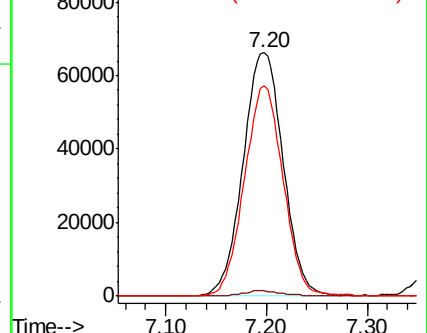
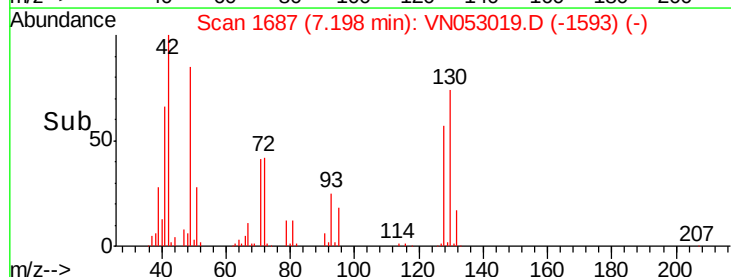
130 83.4 63.3 94.9

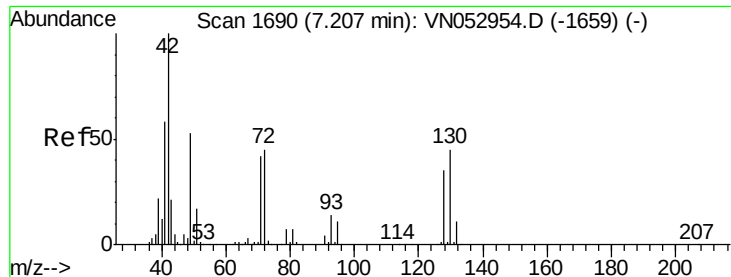


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 107.513 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

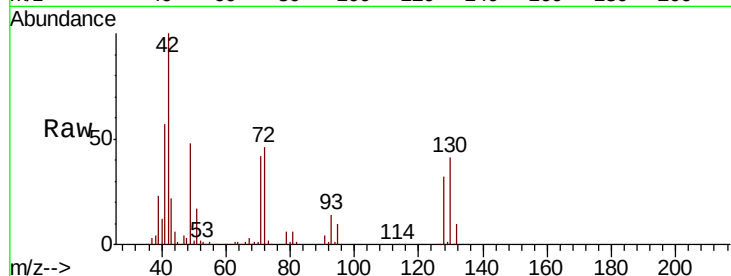
Tot Ion: 42 Resp: 292682

Ion Ratio Lower Upper

42 100

72 45.1 34.7 52.1

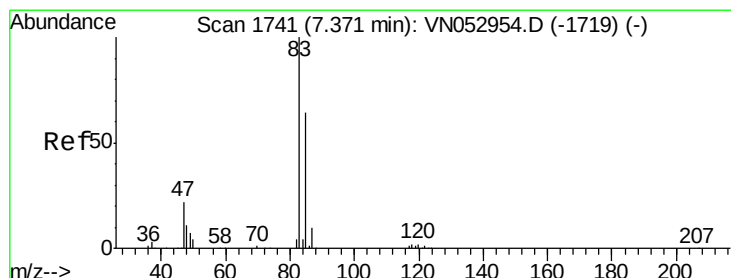
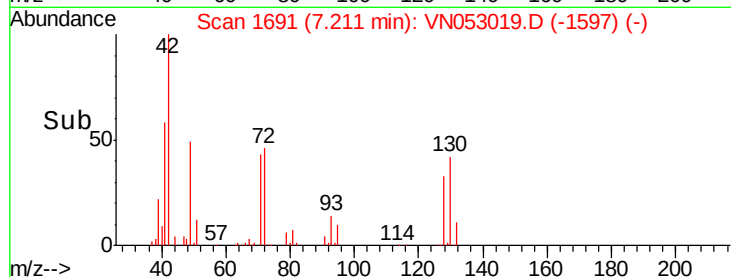
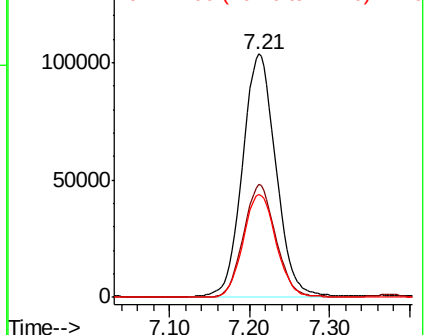
71 41.9 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.170 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053019.D

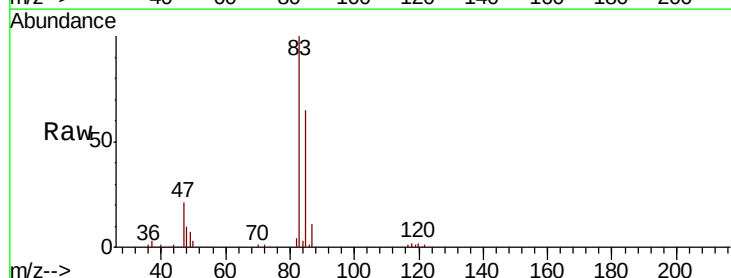
Acq: 19 Dec 2018 18:50

Tgt Ion: 83 Resp: 405009

Ion Ratio Lower Upper

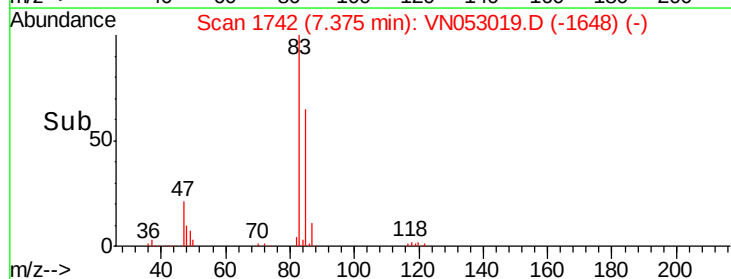
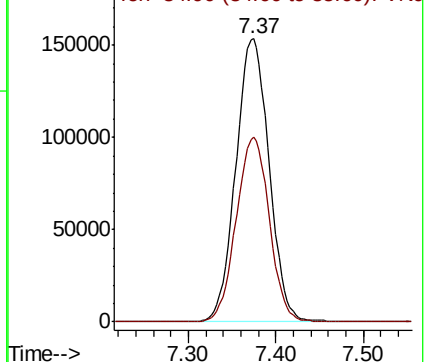
83 100

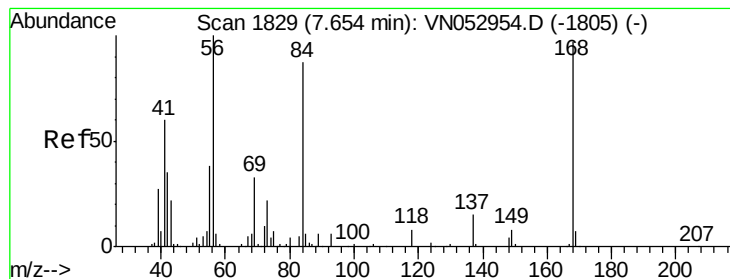
85 65.4 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.339 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

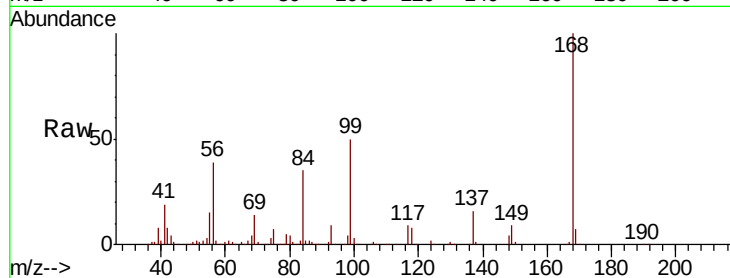
Tot Ion: 56 Resp: 401856

Ion Ratio Lower Upper

56 100

69 36.6 26.6 39.8

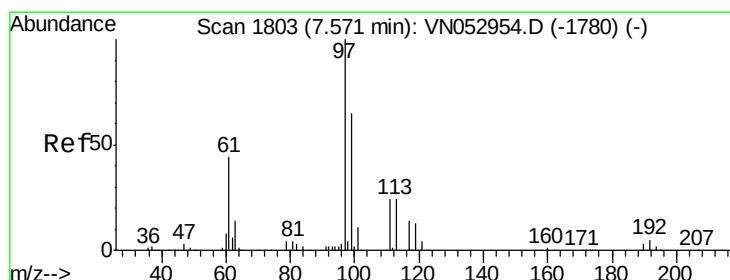
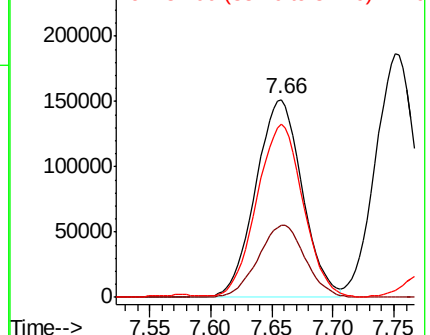
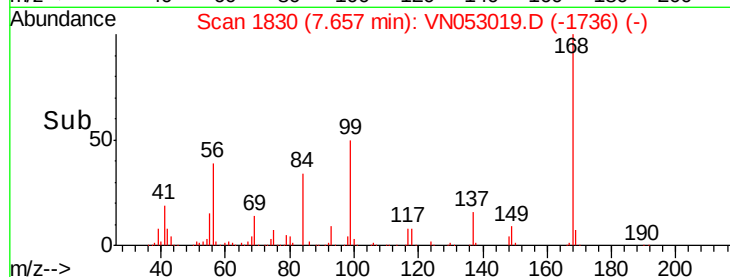
84 86.7 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053019.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053019.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053019.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.563 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

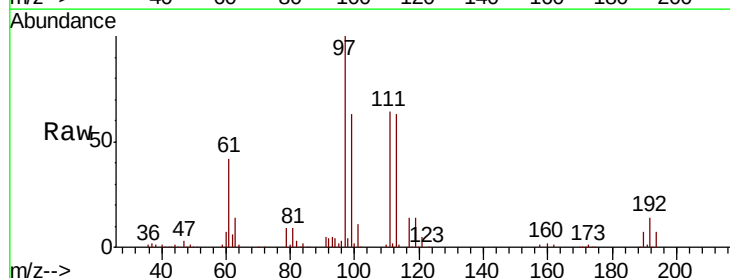
Tgt Ion: 97 Resp: 334623

Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

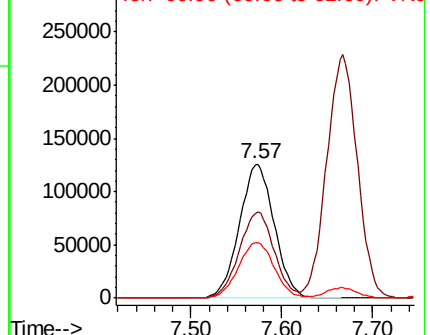
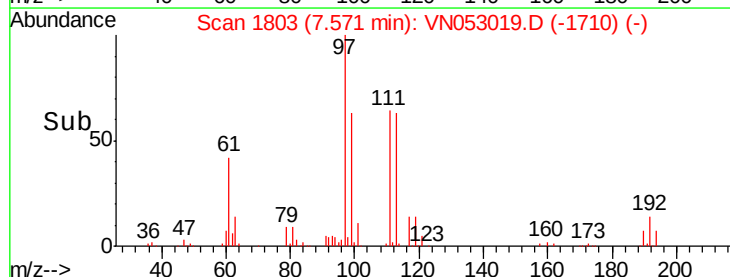
61 42.7 35.0 52.6

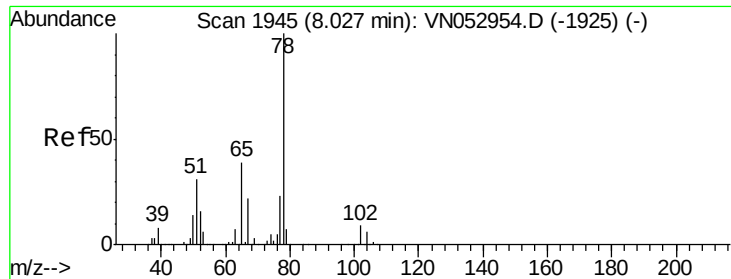


Abundance Ion 96.90 (96.60 to 97.60): VN053019.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053019.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053019.D (-1710) (-)

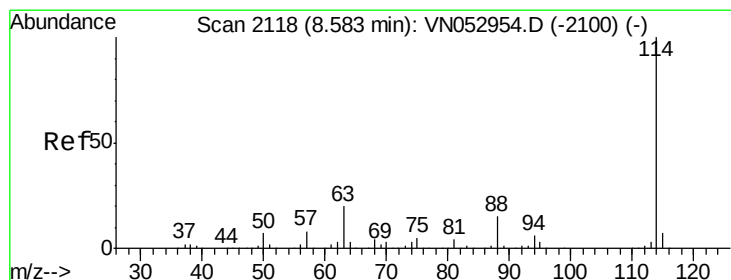
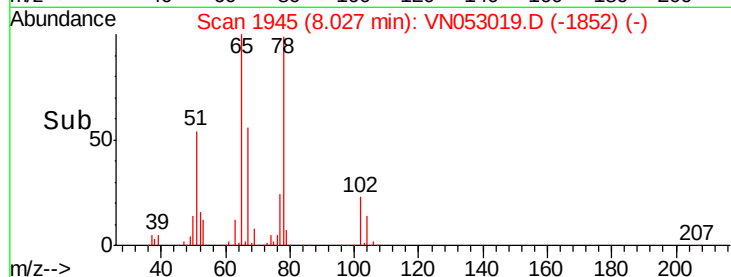
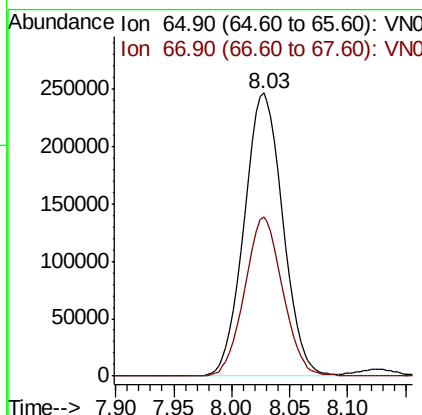
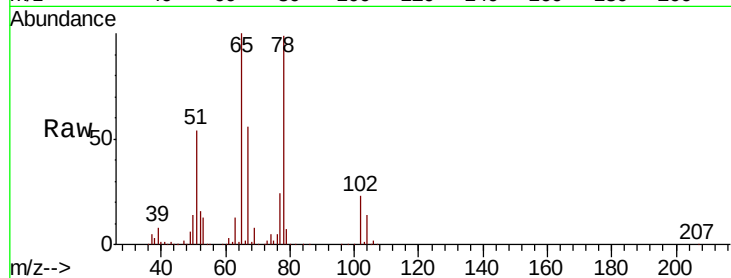




#33
 1,2-Dichloroethane-d4
 Concen: 19.563 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

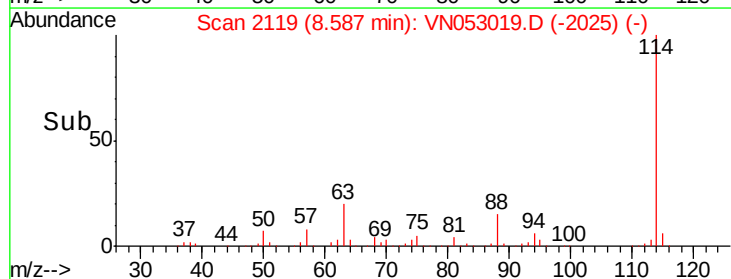
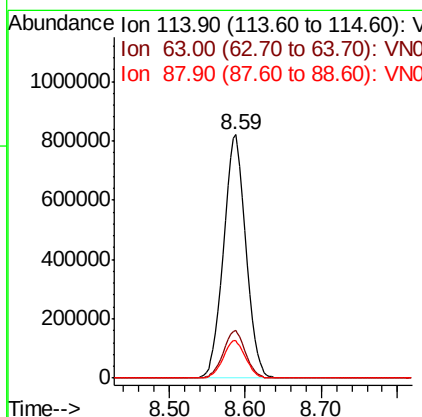
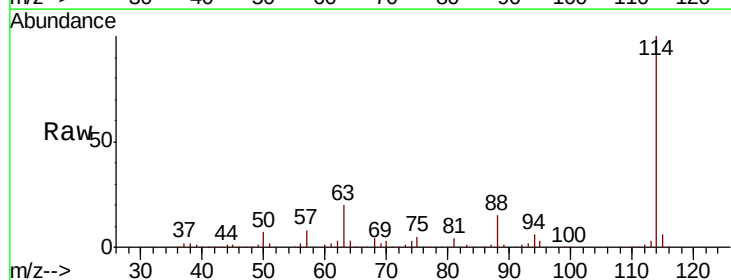
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

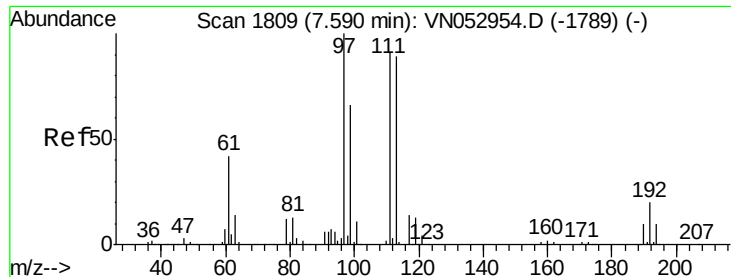
Tot Ion: 65 Resp: 574077
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 114 Resp: 1682165
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.2 0.0 31.0

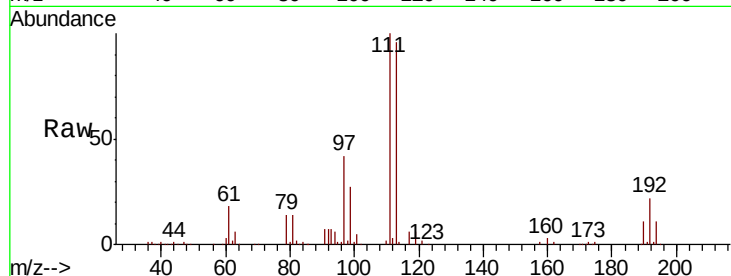




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.0	124.4
192	22.8	17.5	26.3

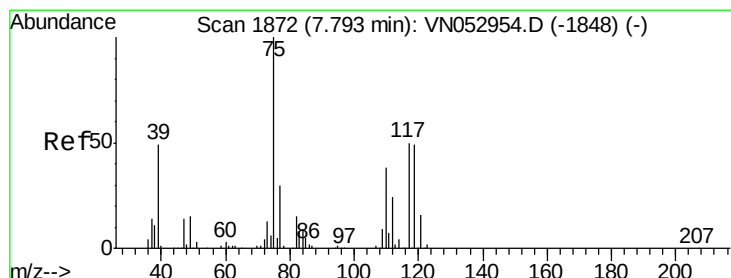
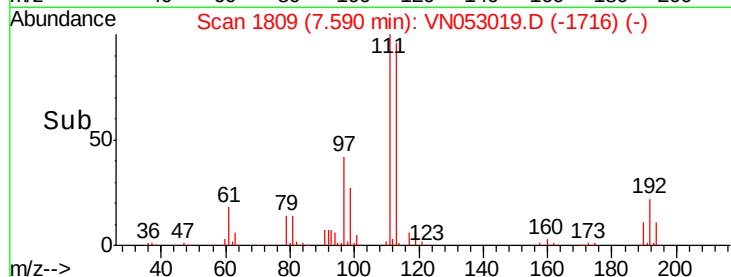
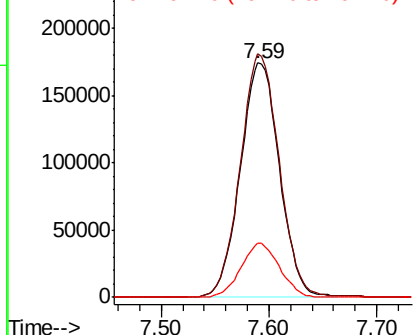


Abundance

Ion 112.80 (112.50 to 113.50): V

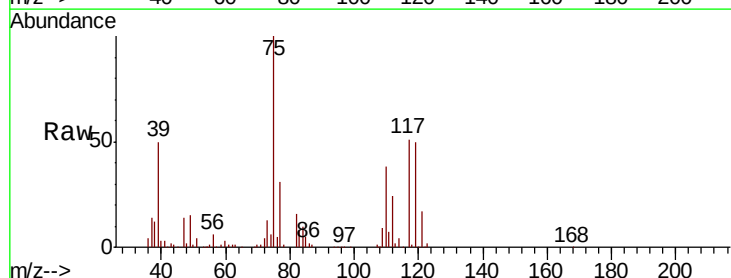
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 19.360 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.2	54.6
77	31.6	24.9	37.3

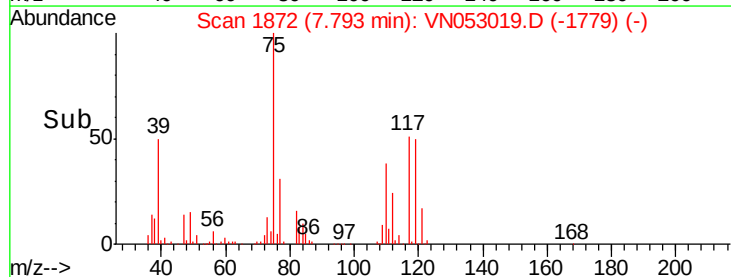
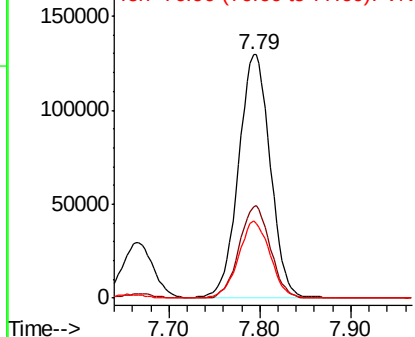


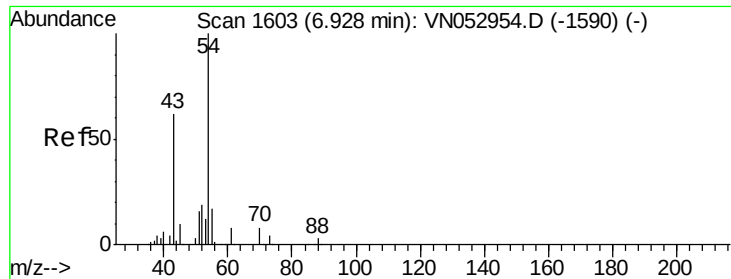
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

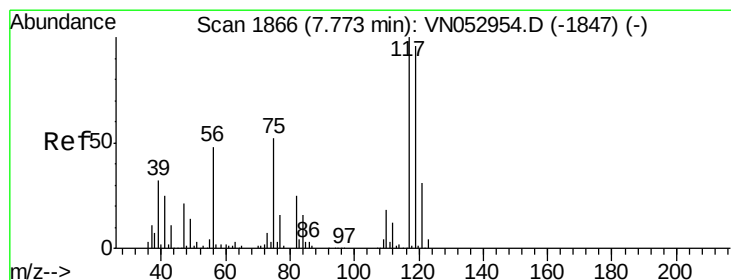
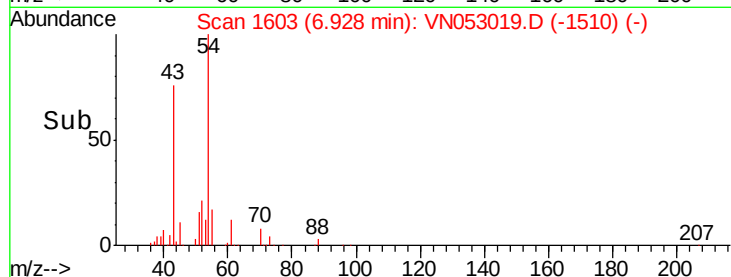
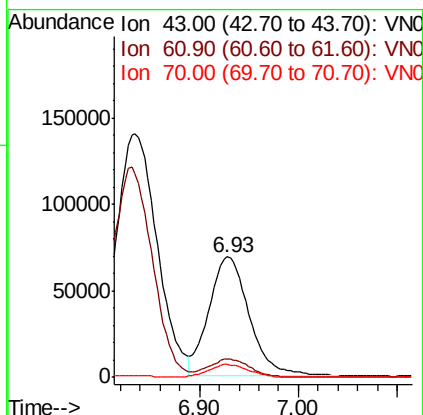
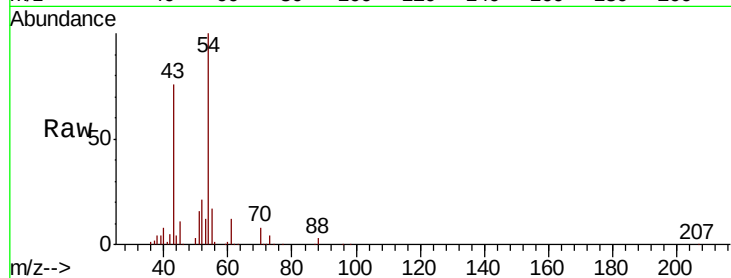




#37
Ethyl Acetate
Concen: 21.908 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

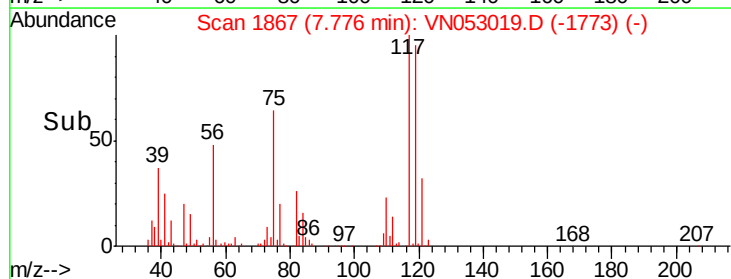
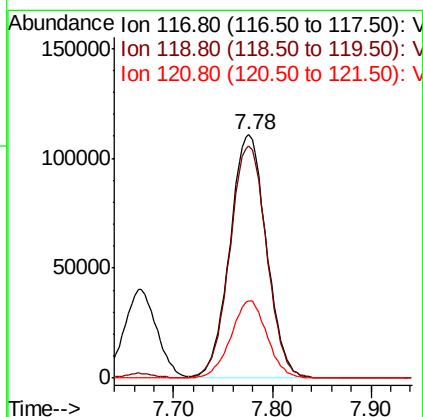
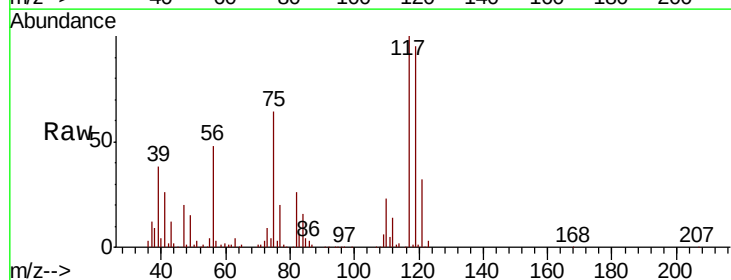
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

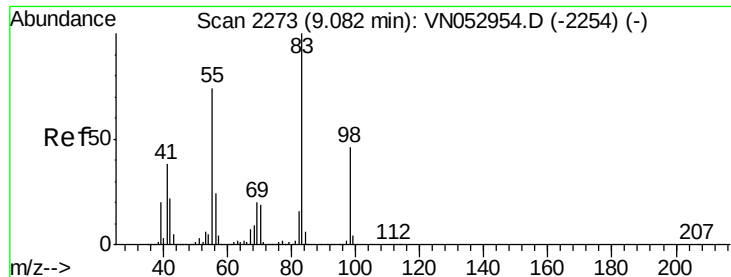
Tot Ion: 43 Resp: 197468
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.221 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 117 Resp: 284449
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7
121 31.8 24.9 37.3

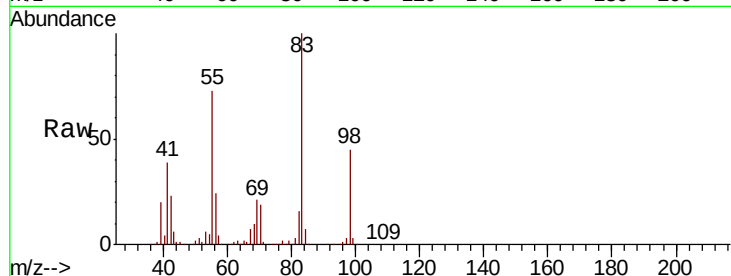




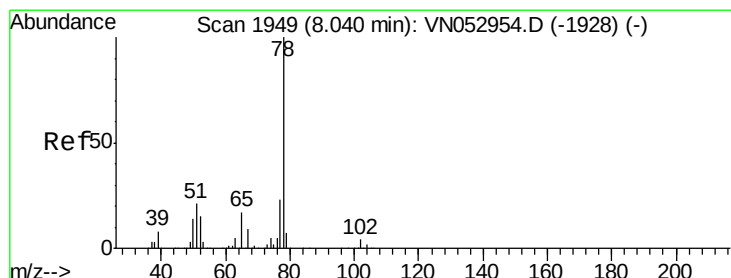
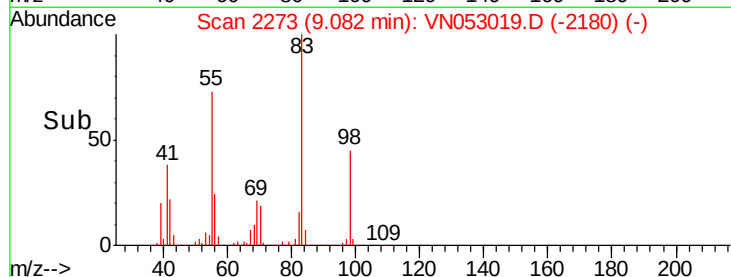
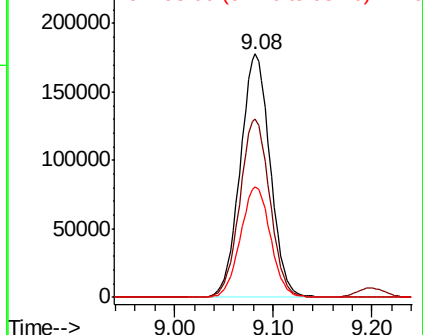
#39
Methylvlcyclohexane
Concen: 18.954 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 83 Resp: 371754
Ion Ratio Lower Upper
83 100
55 73.3 61.3 91.9
98 45.3 37.0 55.4

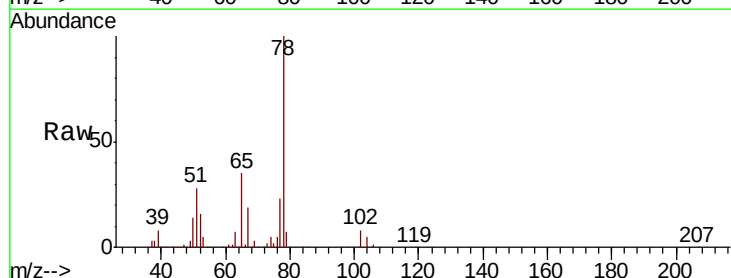


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

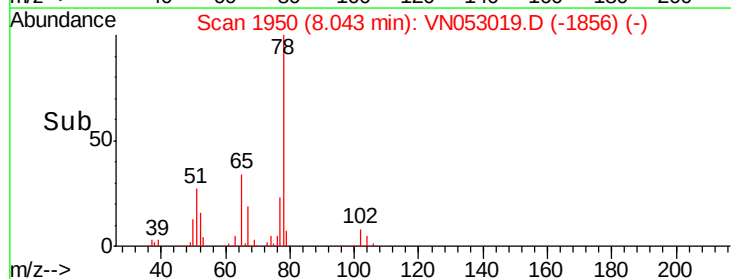
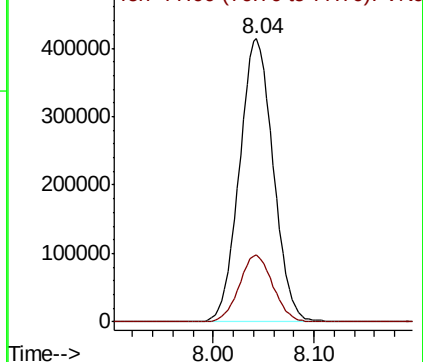


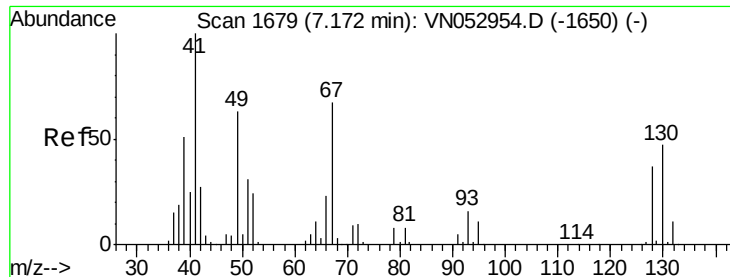
#40
Benzene
Concen: 19.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 78 Resp: 959231
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7



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

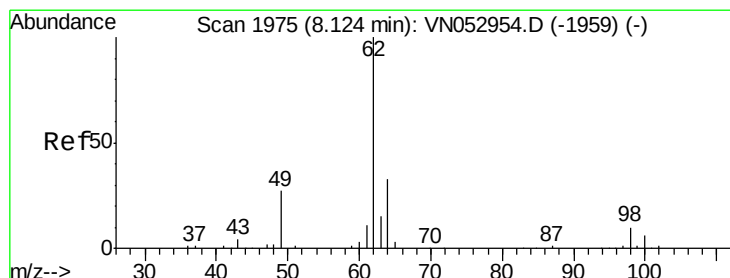
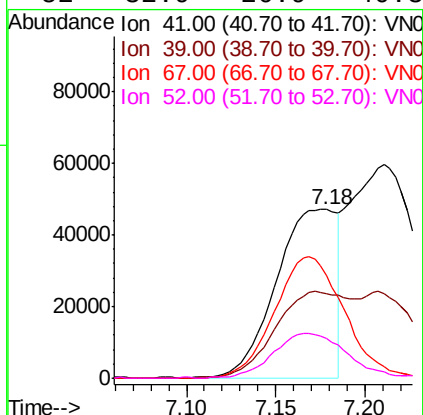
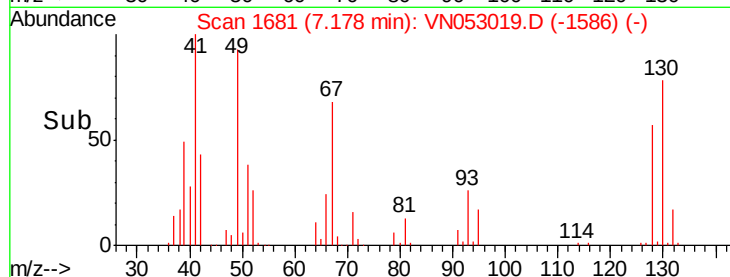
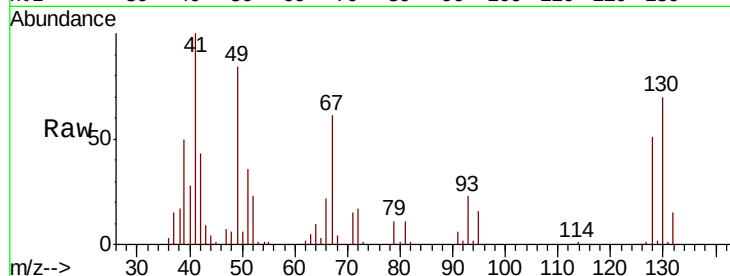




#41
Methacrylonitrile
Concen: 21.316 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

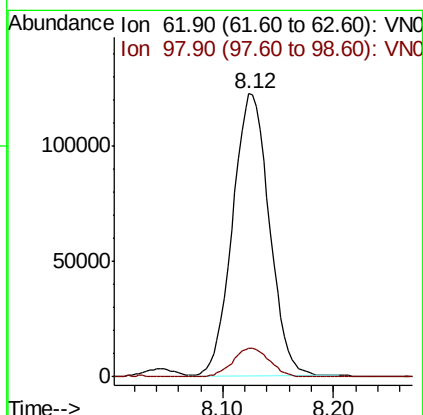
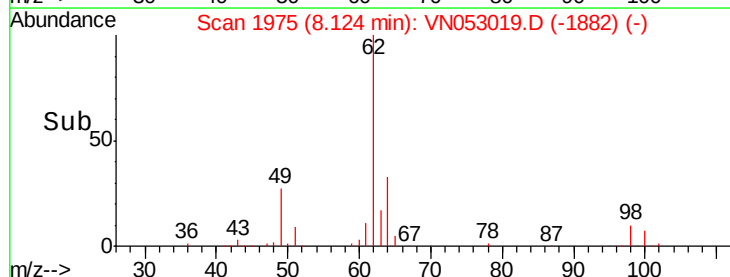
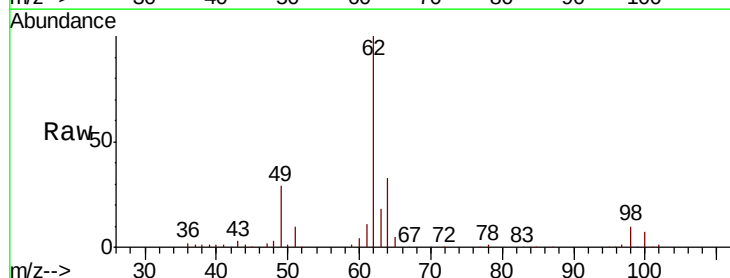
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

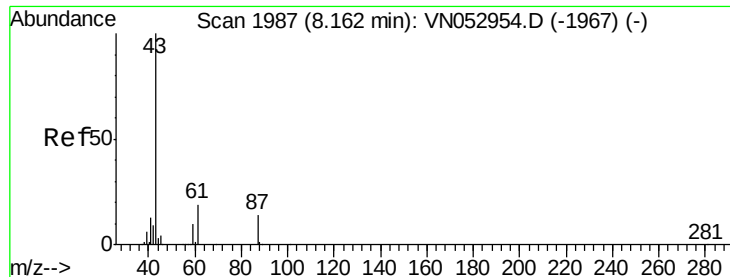
Tot Ion: 41 Resp: 111011
Ion Ratio Lower Upper
41 100
39 59.7 48.0 72.0
67 83.2 70.3 105.5
52 32.9 26.9 40.3



#42
1,2-Dichloroethane
Concen: 19.961 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 62 Resp: 283202
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.671 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

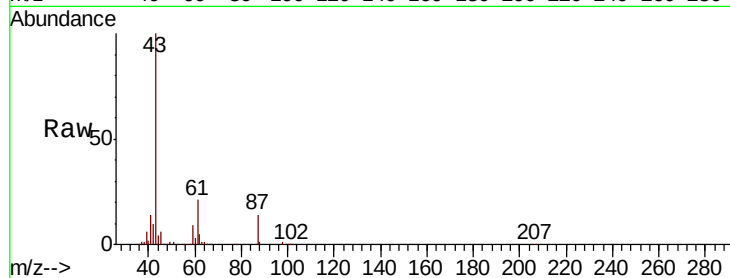
Tot Ion: 43 Resp: 371237

Ion Ratio Lower Upper

43 100

61 28.1 22.9 34.3

87 13.3 10.6 15.8

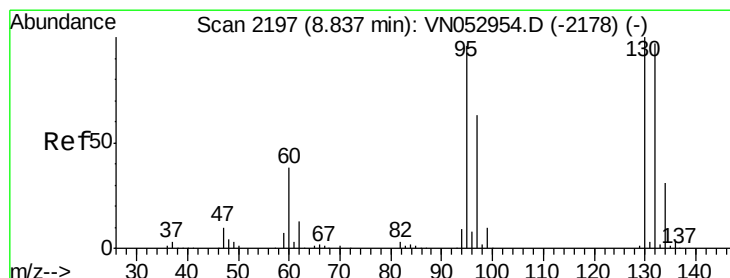
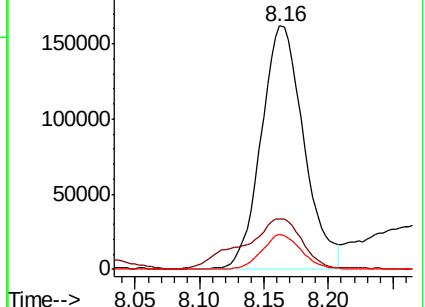
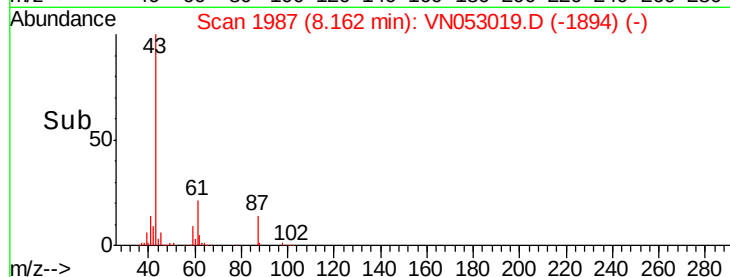


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 19.444 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053019.D

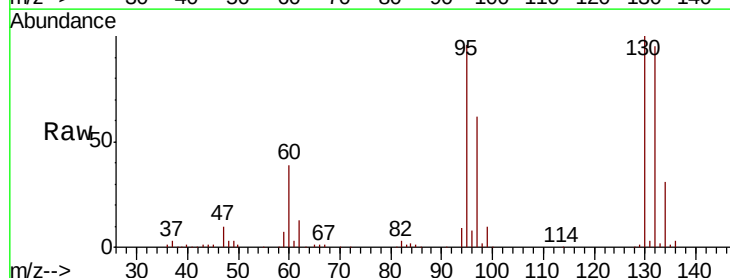
Acq: 19 Dec 2018 18:50

Tgt Ion:130 Resp: 270101

Ion Ratio Lower Upper

130 100

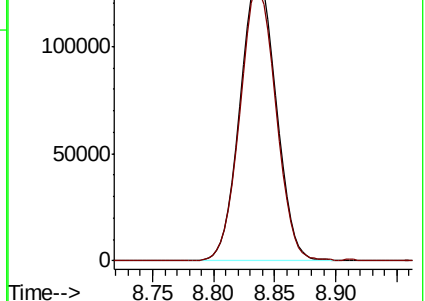
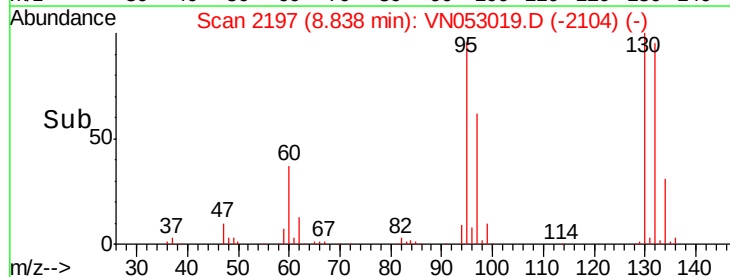
95 95.6 0.0 197.8

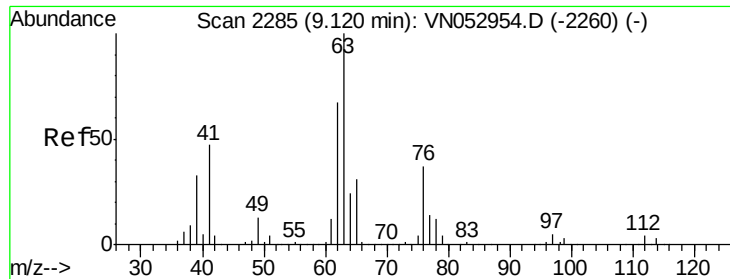


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

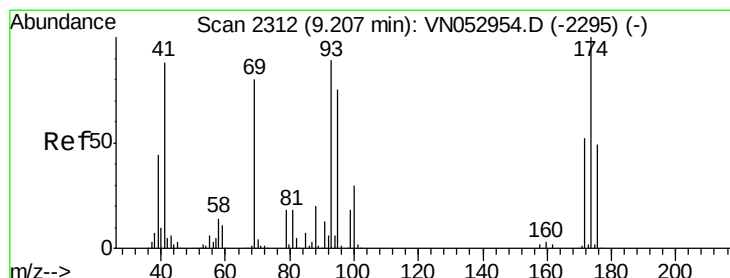
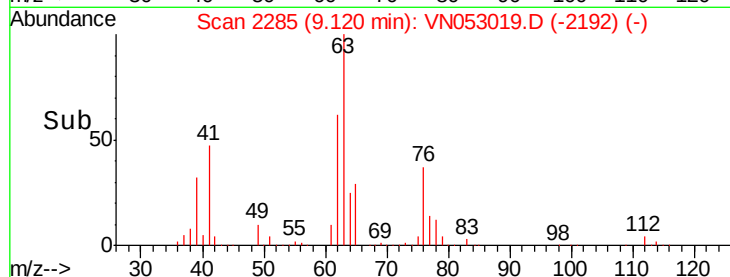
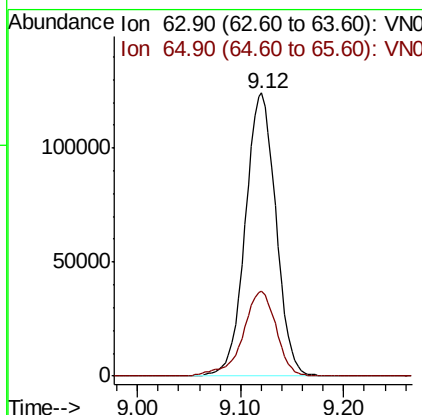
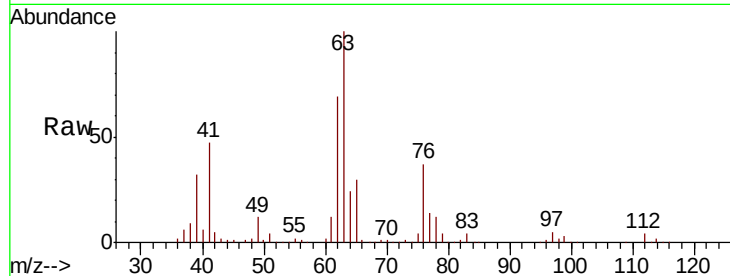




#45
 1,2-Dichloropropane
 Concen: 20.409 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

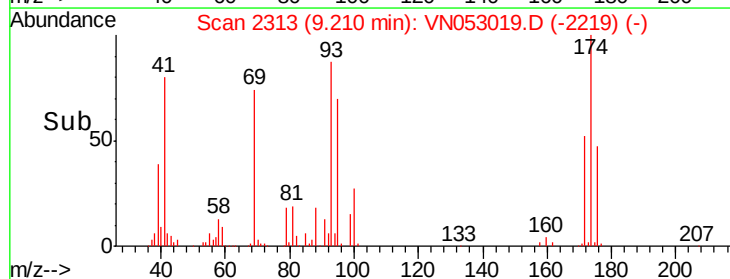
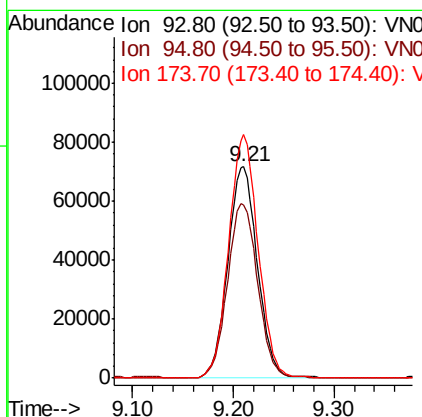
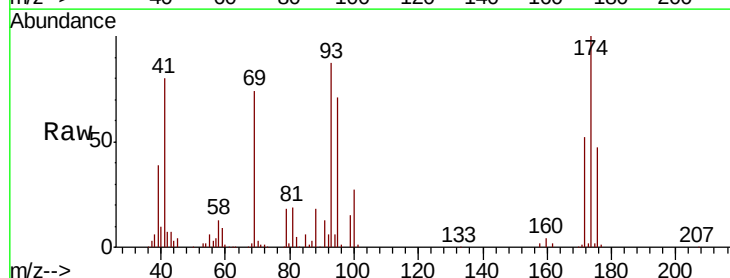
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

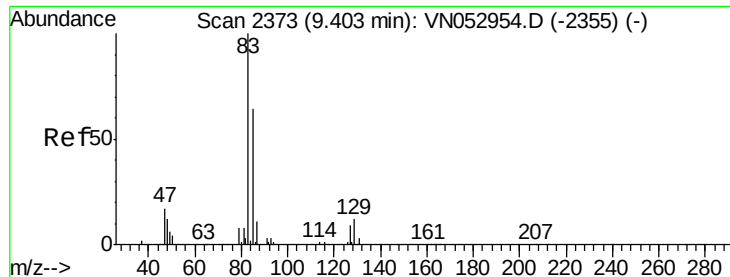
Tot Ion: 63 Resp: 255300
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0



#46
 Dibromomethane
 Concen: 20.209 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 93 Resp: 147270
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.8 101.6
 174 113.8 89.0 133.4





#47

Bromodichloromethane

Concen: 19.435 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

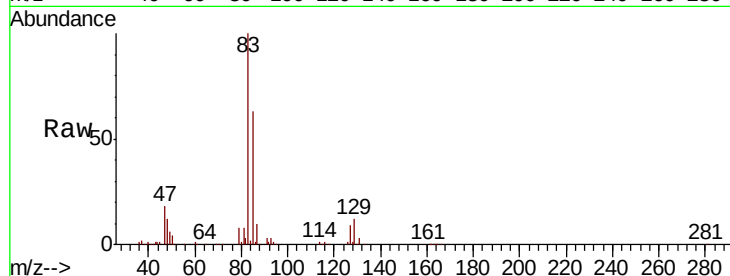
Tot Ion: 83 Resp: 301054

Ion Ratio Lower Upper

83 100

85 62.9 51.6 77.4

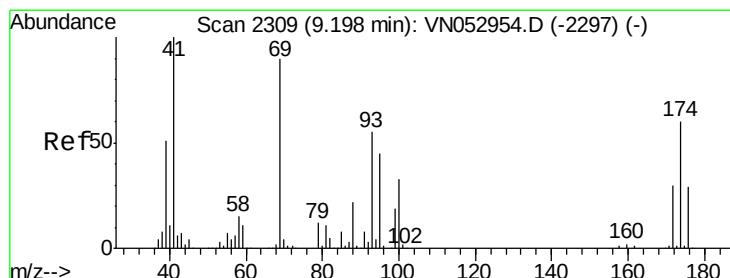
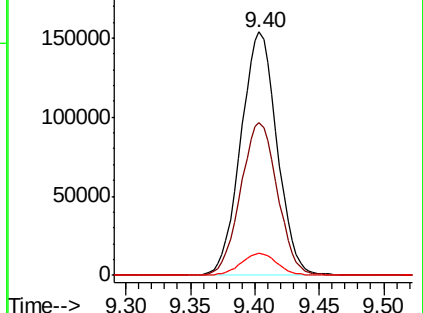
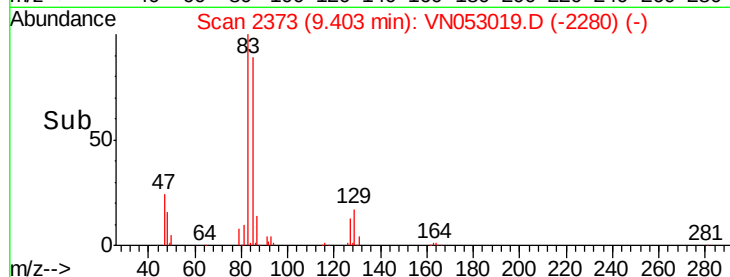
127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053019.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053019.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053019.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.539 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

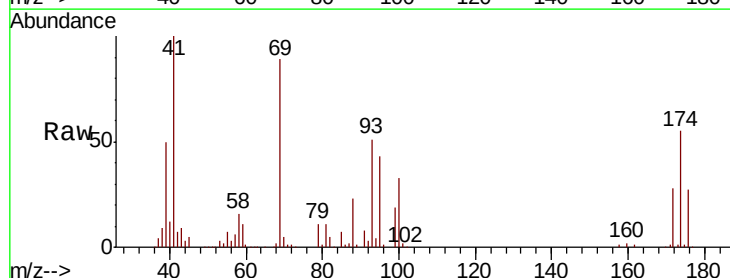
Tgt Ion: 41 Resp: 179644

Ion Ratio Lower Upper

41 100

69 93.1 72.2 108.2

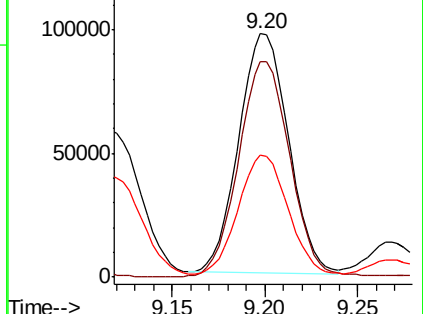
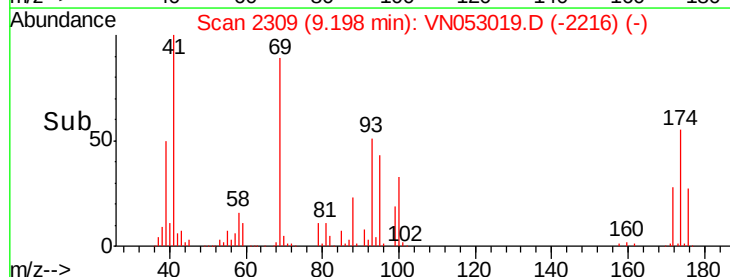
39 52.2 41.9 62.9

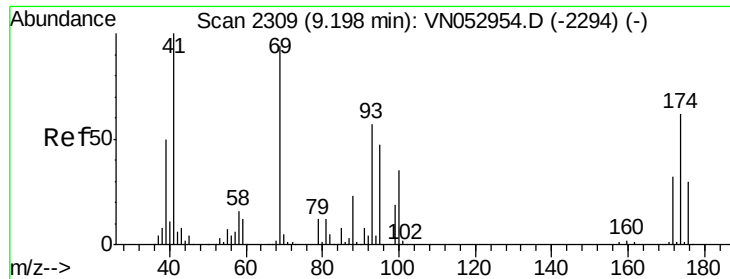


Abundance Ion 41.00 (40.70 to 41.70): VN053019.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053019.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053019.D (-2216) (-)





#49

1,4-Dioxane

Concen: 418.520 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

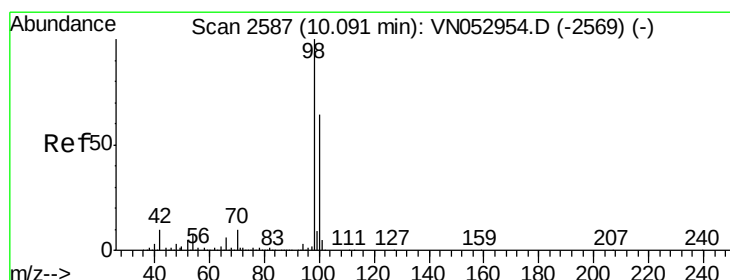
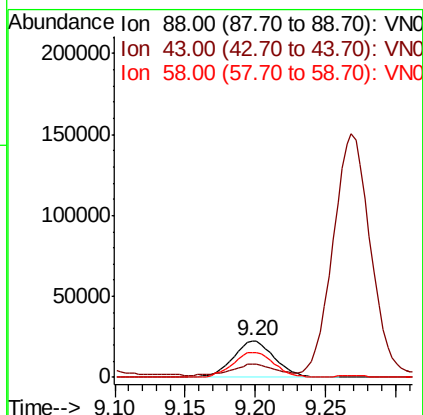
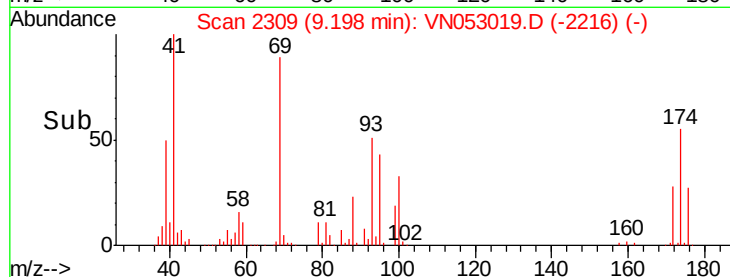
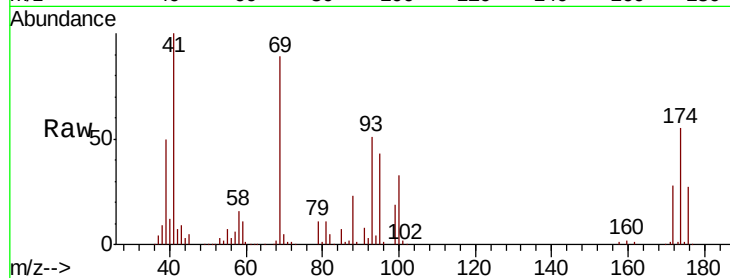
Tot Ion: 88 Resp: 46304

Ion Ratio Lower Upper

88 100

43 29.7 26.6 40.0

58 68.9 58.4 87.6



#50

Toluene-d8

Concen: 418.520 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053019.D

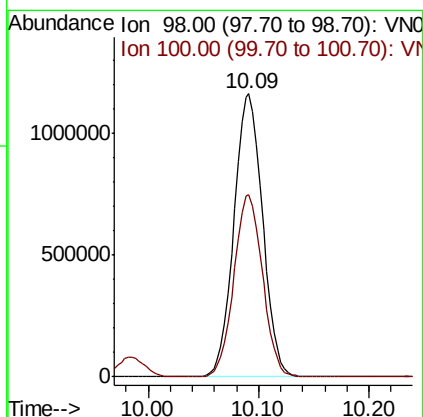
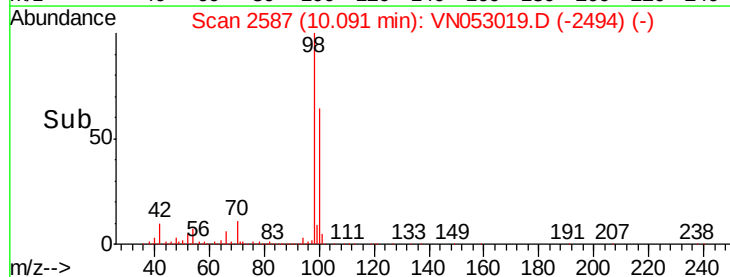
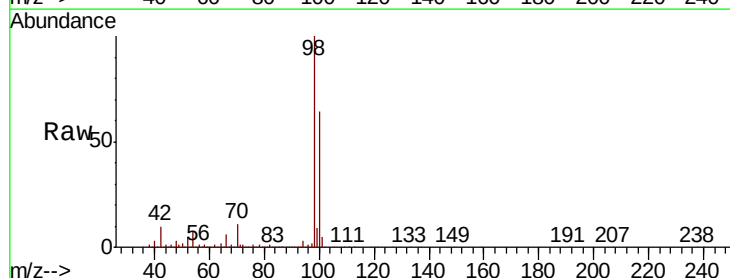
Acq: 19 Dec 2018 18:50

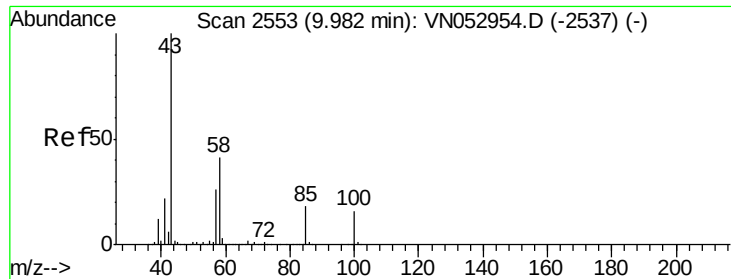
Tgt Ion: 98 Resp: 2090798

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 108.825 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

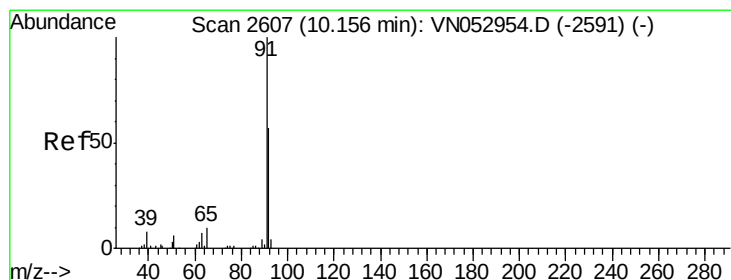
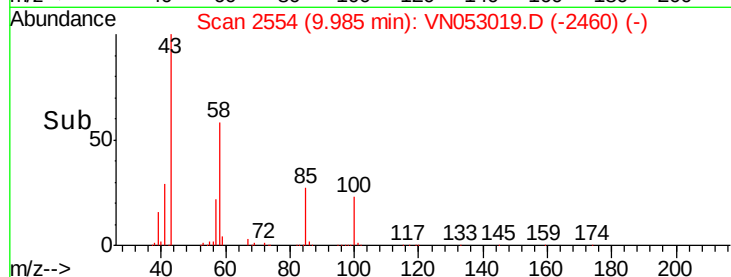
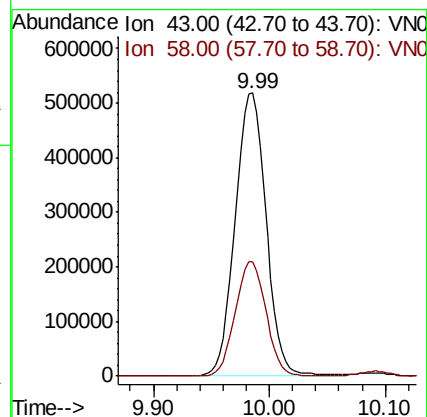
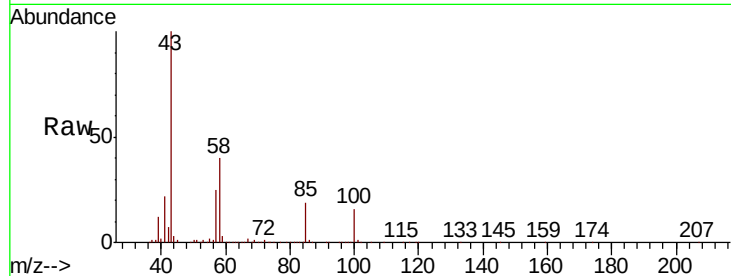
VN1219WBSD01

Tot Ion: 43 Resp: 949912

Ion Ratio Lower Upper

43 100

58 40.7 32.2 48.4



#52

Toluene

Concen: 20.083 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053019.D

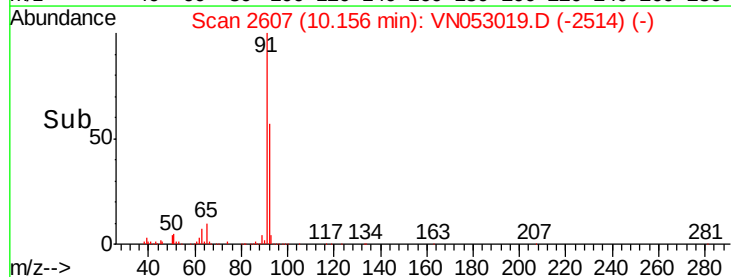
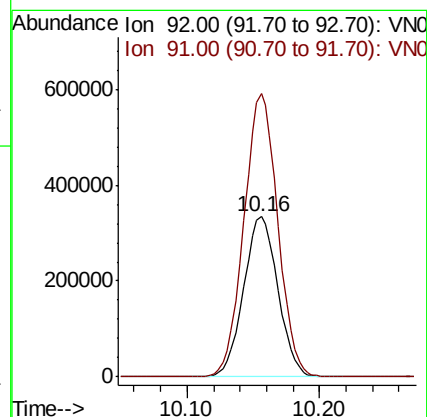
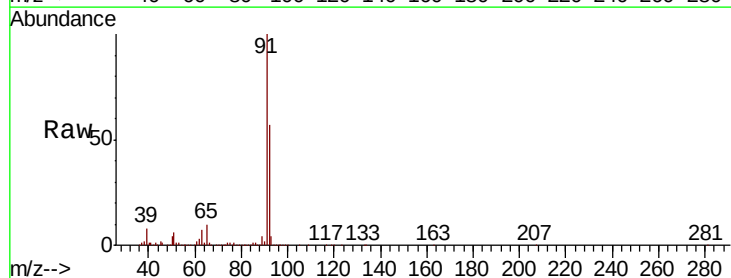
Acq: 19 Dec 2018 18:50

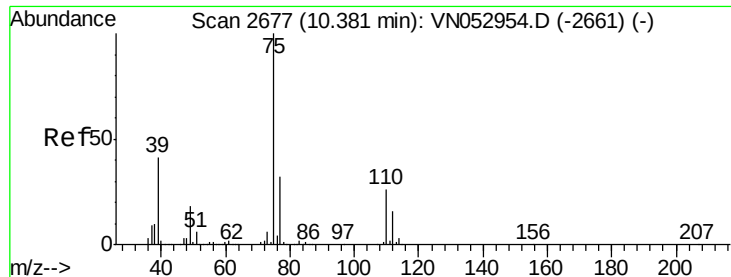
Tgt Ion: 92 Resp: 597815

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.469 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

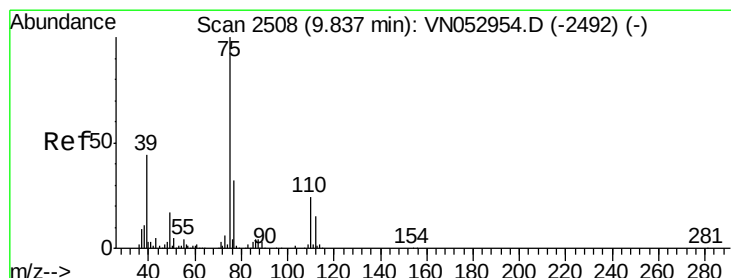
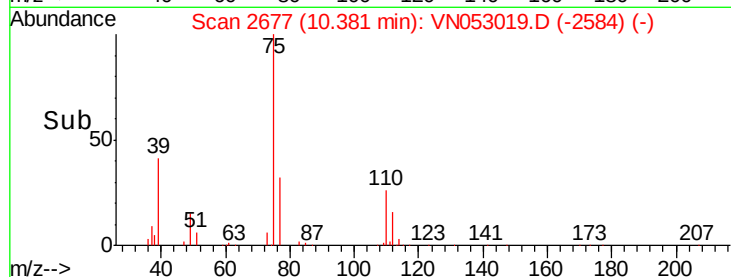
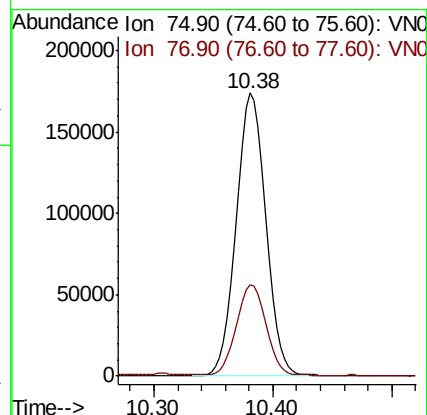
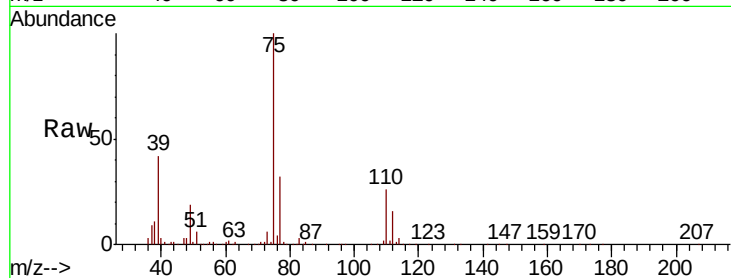
VN1219WBSD01

Tot Ion: 75 Resp: 300835

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.418 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

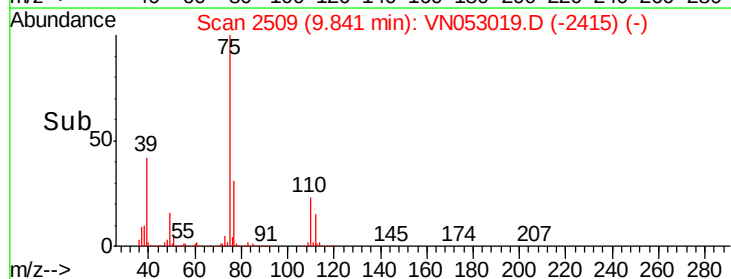
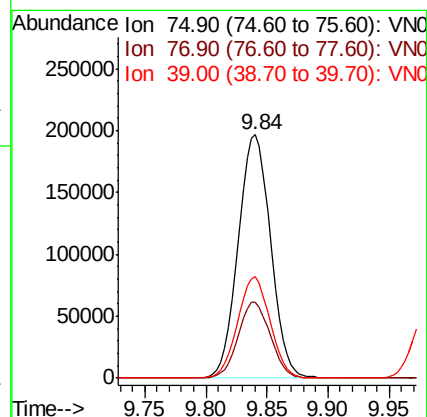
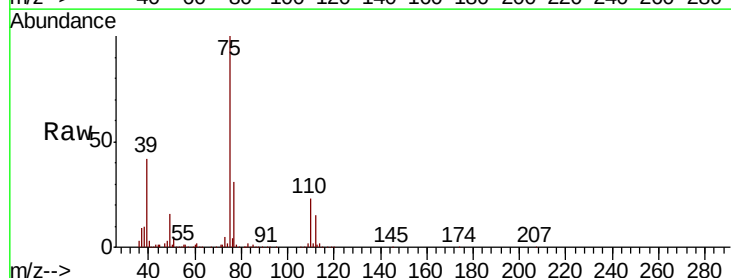
Tgt Ion: 75 Resp: 363058

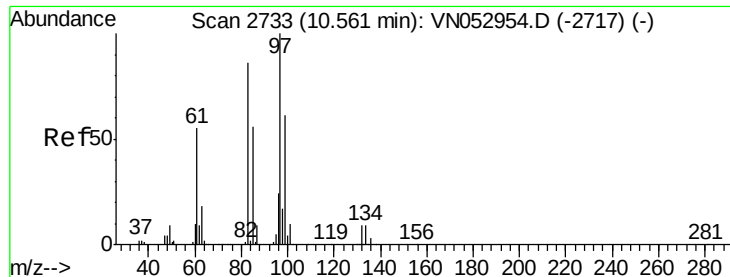
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

39 41.4 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 20.193 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampled :

VN1219WBSD01

Tot Ion: 97 Resp: 209706

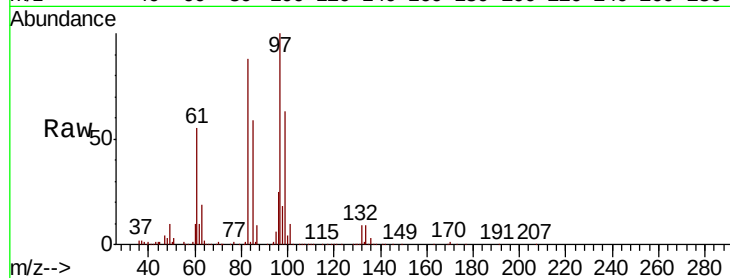
Ion Ratio Lower Upper

97 100

83 87.6 70.9 106.3

85 59.1 45.4 68.2

99 62.7 50.4 75.6

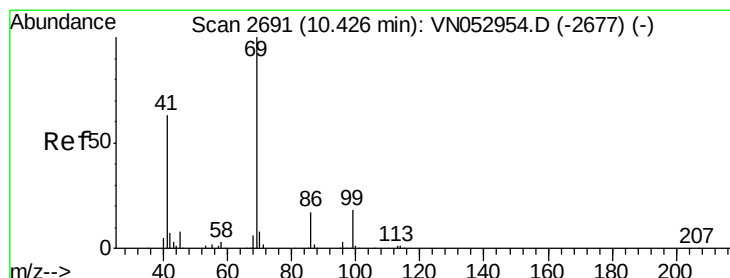
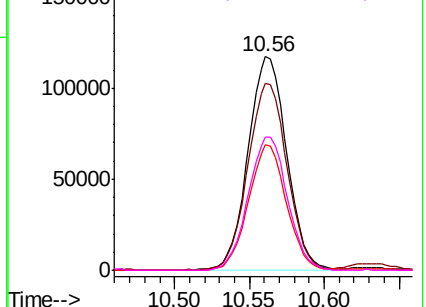
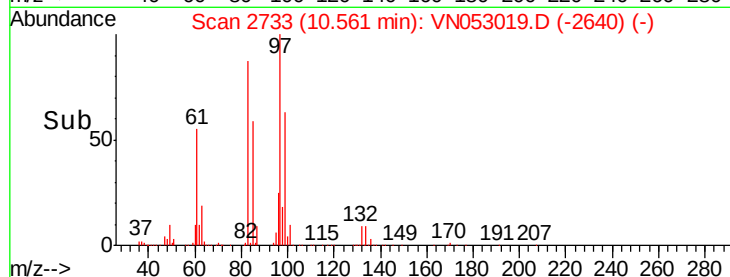


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.458 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

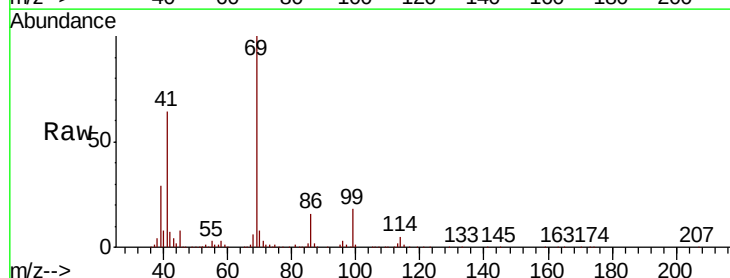
Tgt Ion: 69 Resp: 281199

Ion Ratio Lower Upper

69 100

41 63.5 51.7 77.5

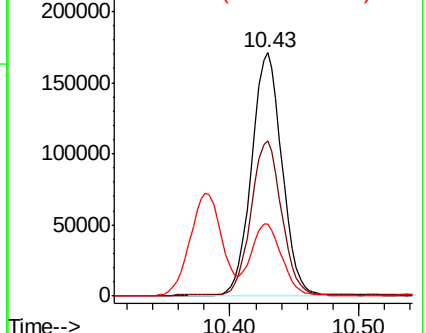
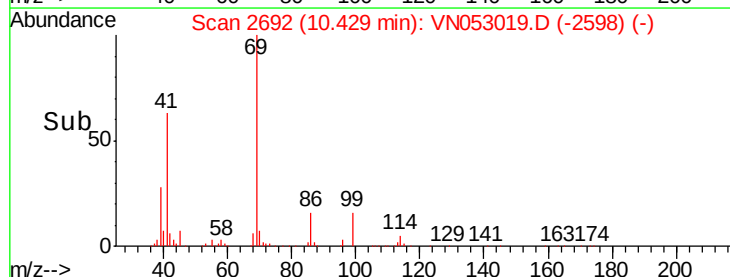
39 29.9 24.6 37.0

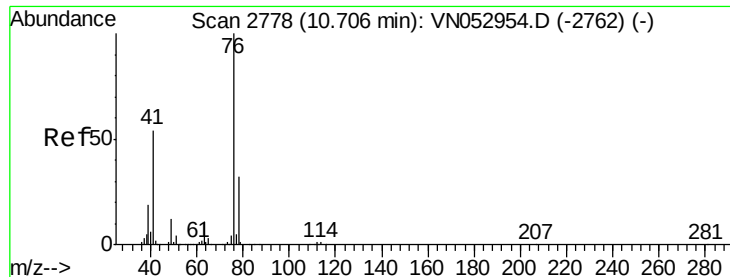


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.382 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

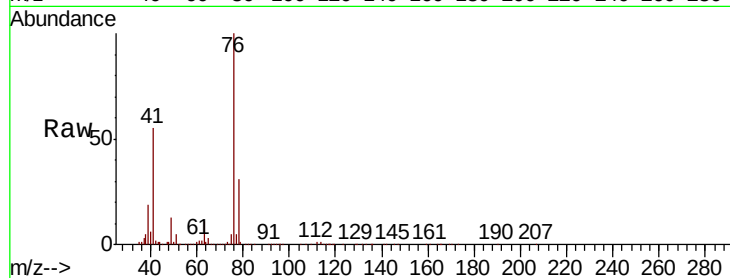
VN1219WBSD01

Tot Ion: 76 Resp: 362974

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN053019.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN053019.D (-2685) (-)

10.71

200000

150000

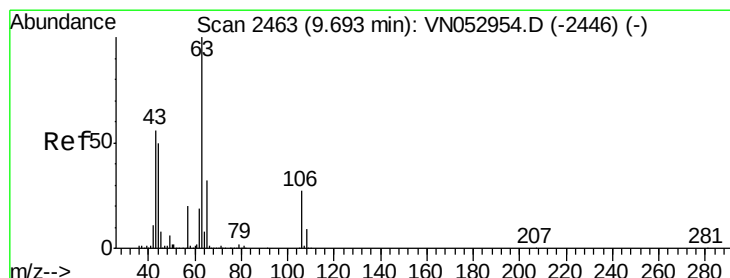
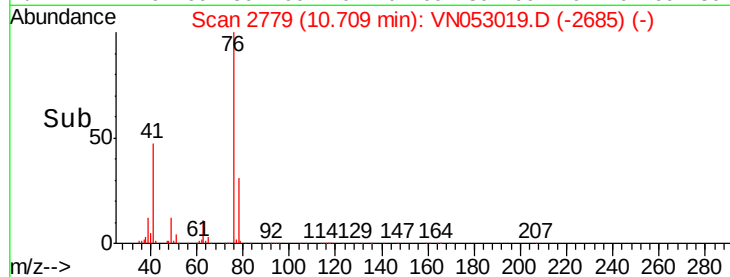
100000

50000

0

10.65 10.70 10.75

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.414 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053019.D

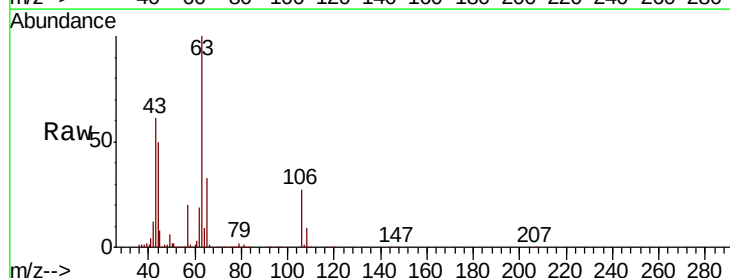
Acq: 19 Dec 2018 18:50

Tgt Ion: 63 Resp: 780383

Ion Ratio Lower Upper

63 100

106 27.4 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053019.D (-2370) (-)

Ion 105.90 (105.60 to 106.60): VN053019.D (-2370) (-)

9.70

500000

400000

300000

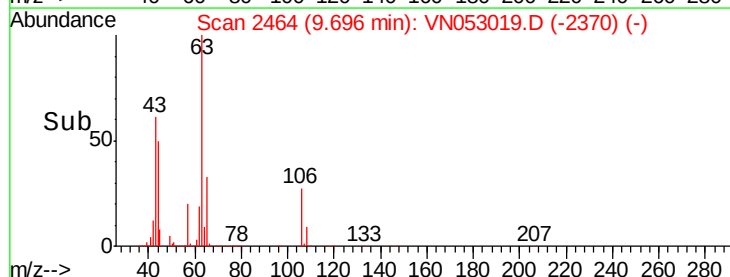
200000

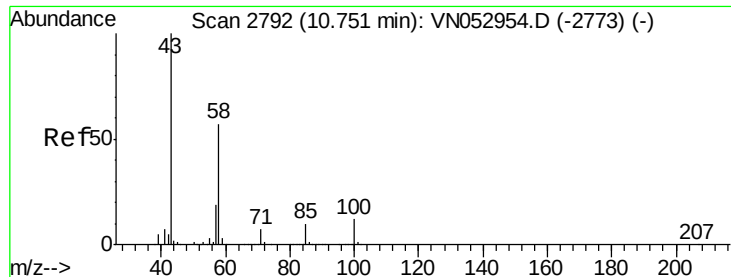
100000

0

9.60 9.65 9.70 9.75 9.80

Time-->

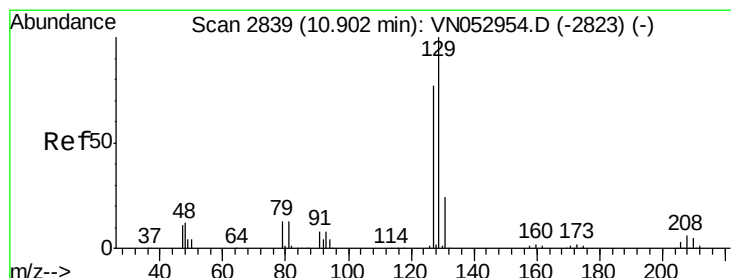
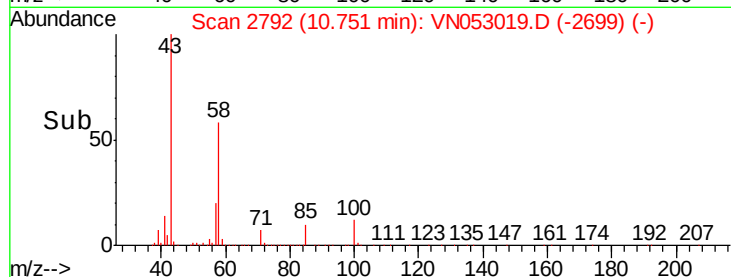
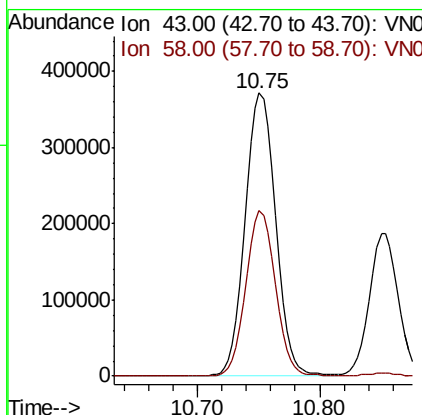
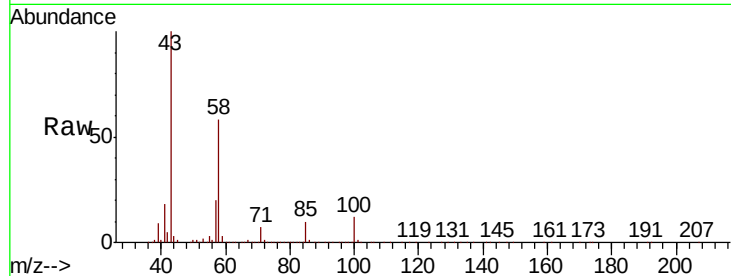




#59
2-Hexanone
Concen: 107.498 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

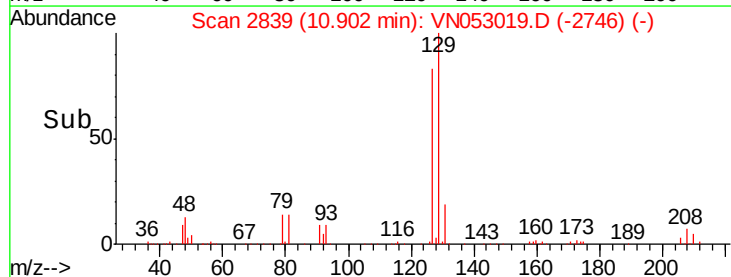
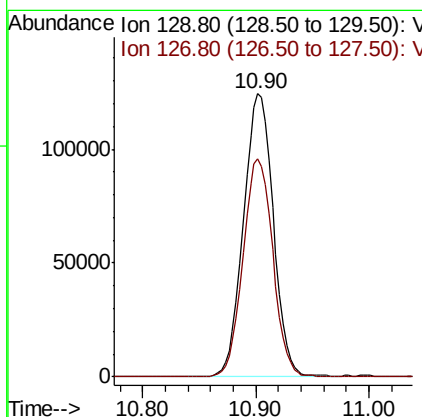
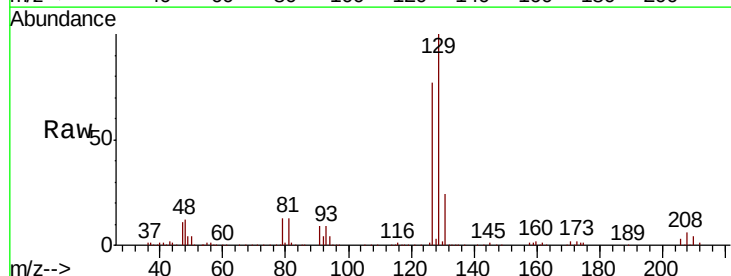
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

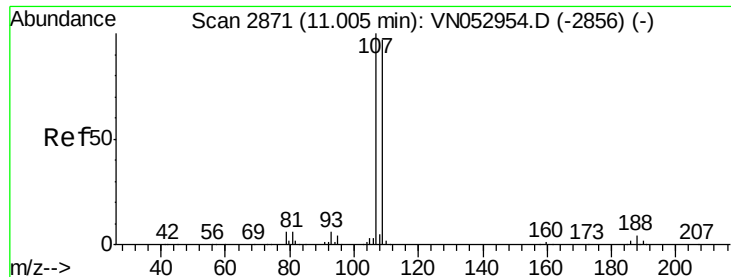
Tot Ion: 43 Resp: 634857
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3



#60
Dibromochloromethane
Concen: 19.141 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 129 Resp: 227531
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0

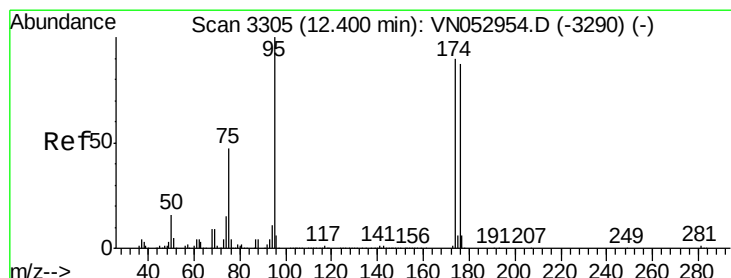
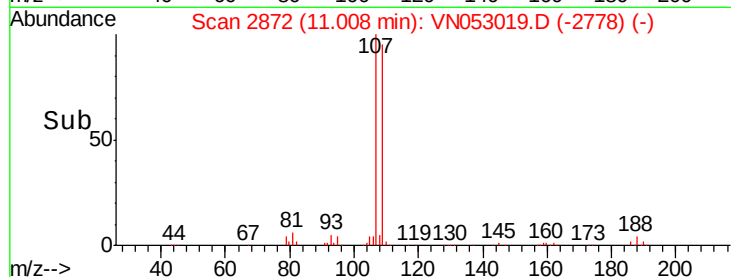
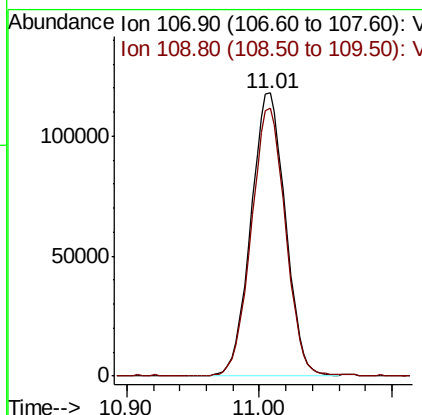
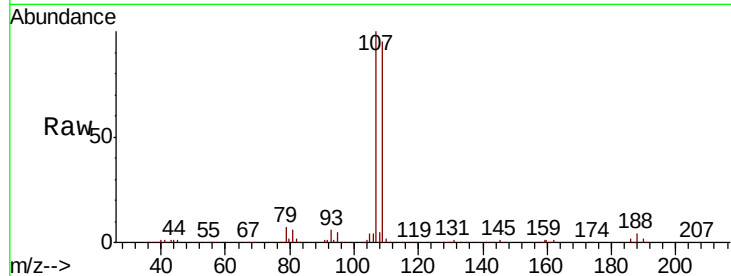




#61
 1,2-Dibromoethane
 Concen: 20.223 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

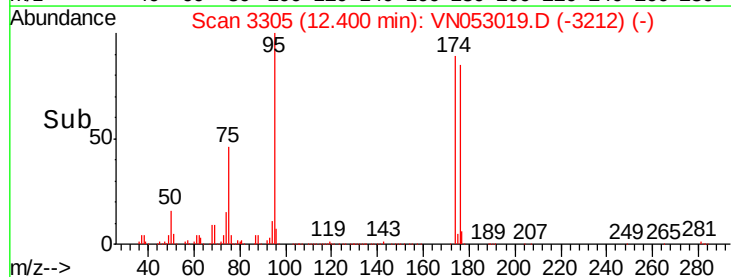
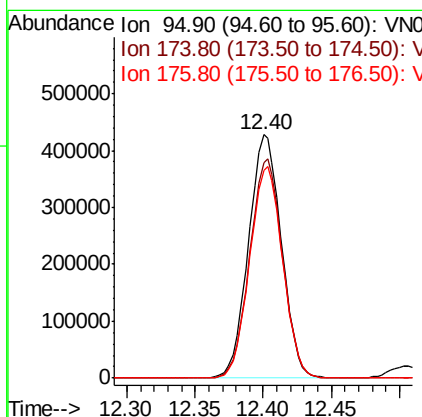
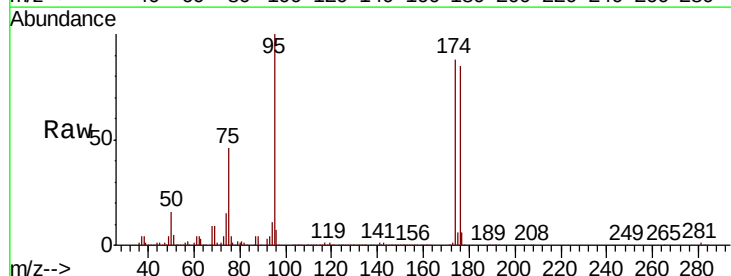
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

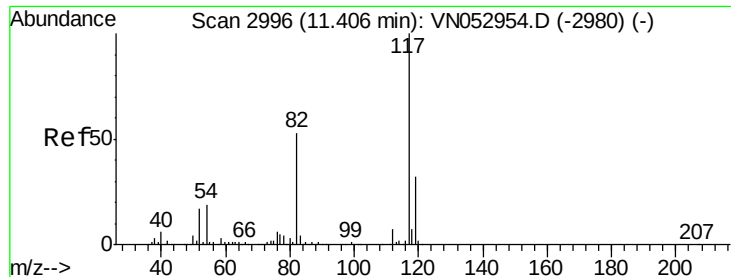
Tot Ion:107 Resp: 213288
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 20.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion: 95 Resp: 713710
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 178.8
 176 87.3 0.0 173.8

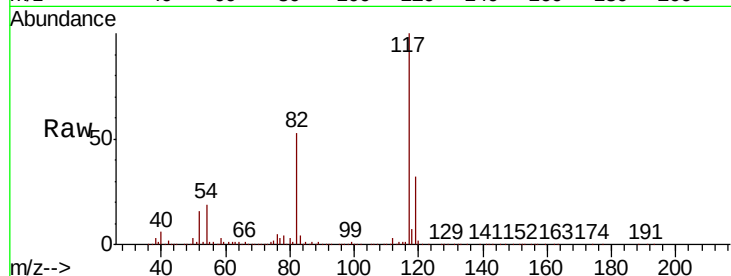




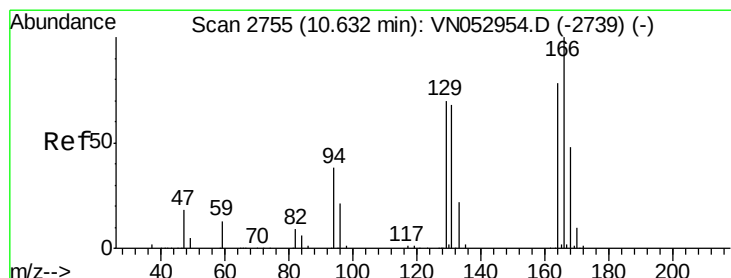
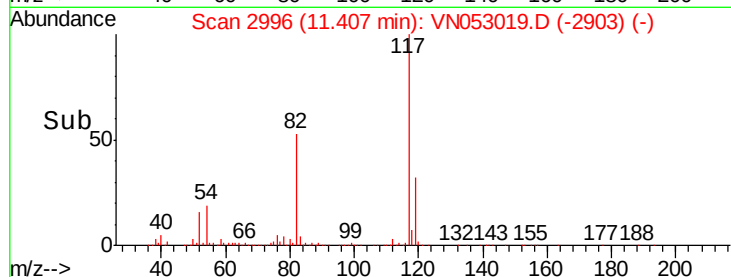
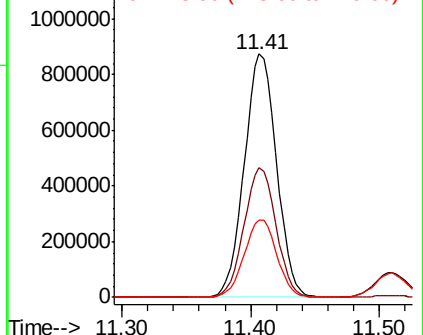
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion:117 Resp: 1517231
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.0 25.5 38.3

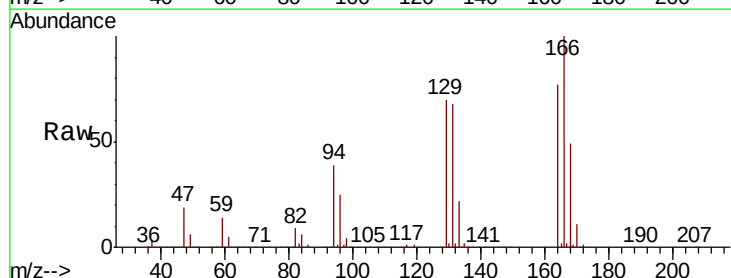


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

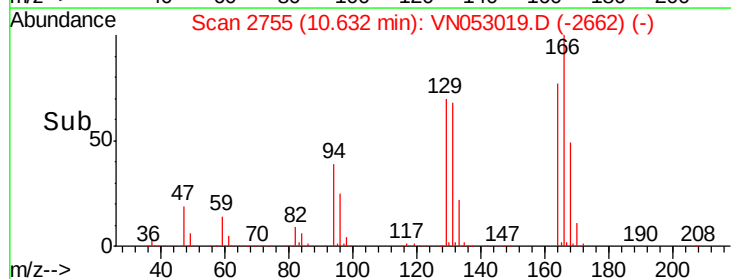
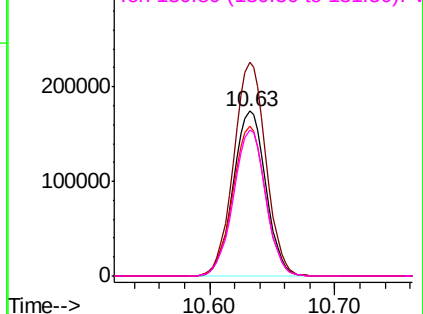


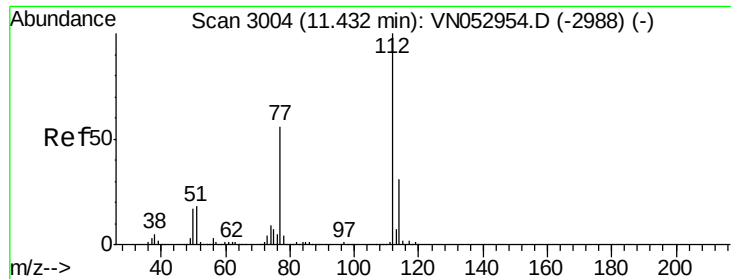
#64
Tetrachloroethene
Concen: 19.111 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion:164 Resp: 314091
Ion Ratio Lower Upper
164 100
166 129.4 102.9 154.3
129 90.8 73.7 110.5
131 88.0 70.7 106.1



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

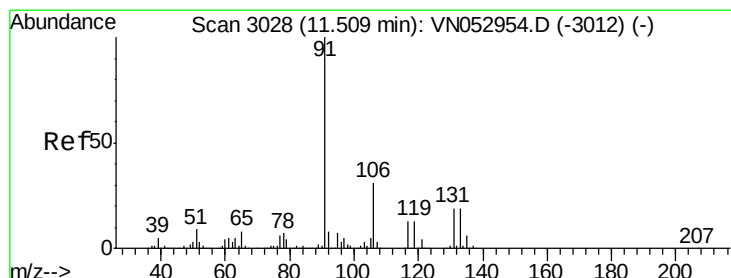
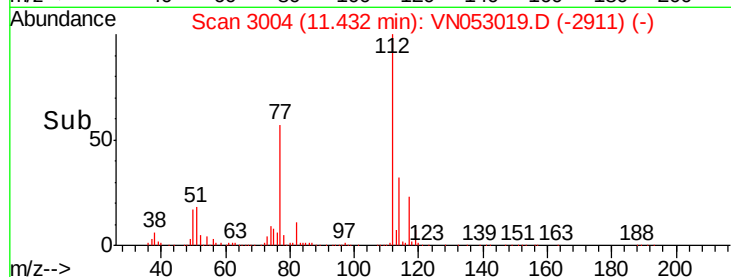
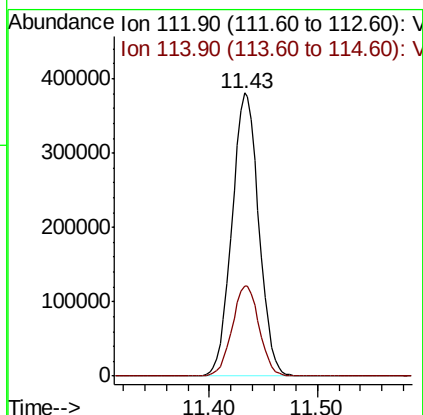
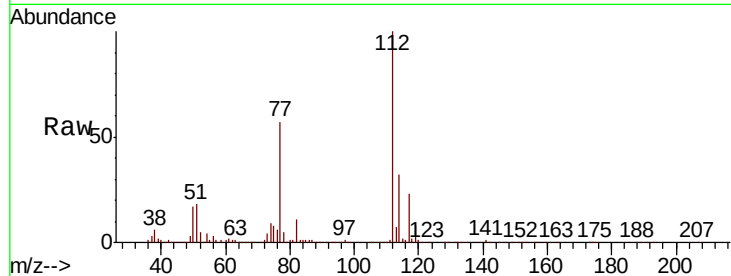




#65
Chlorobenzene
Concen: 19.612 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

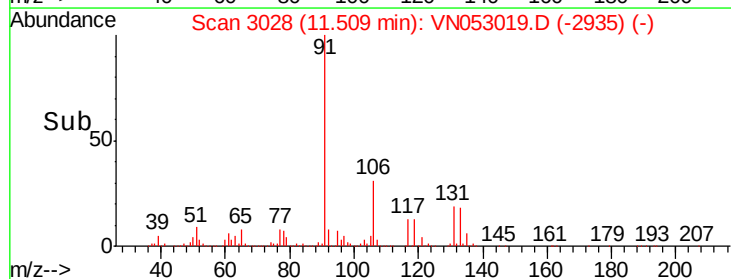
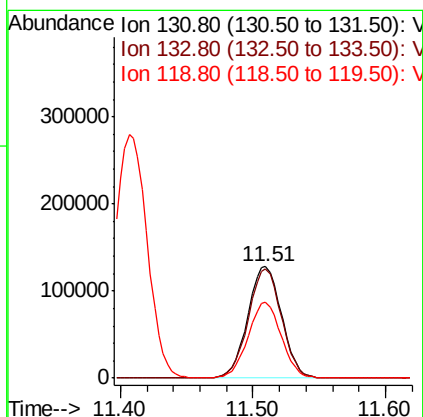
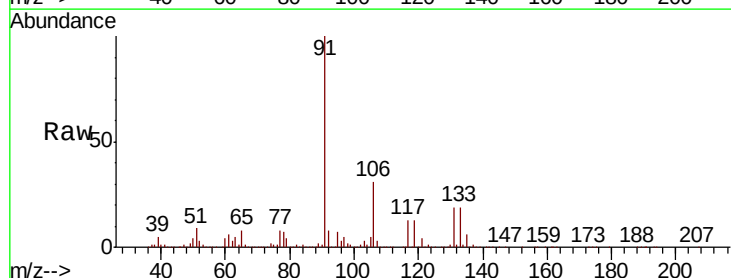
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

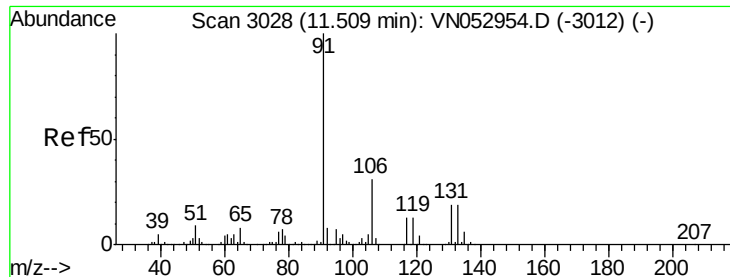
Tot Ion:112 Resp: 659596
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion:131 Resp: 226548
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 65.8 33.3 99.8

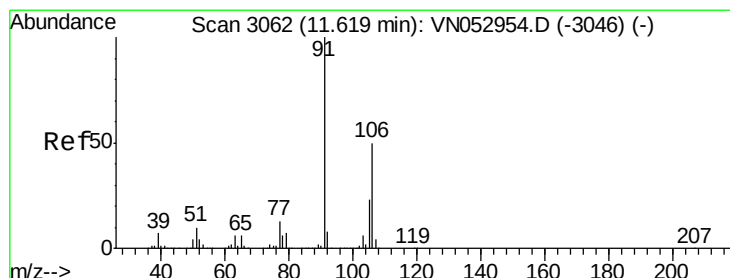
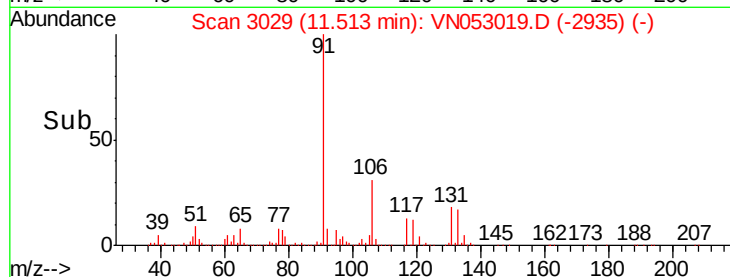
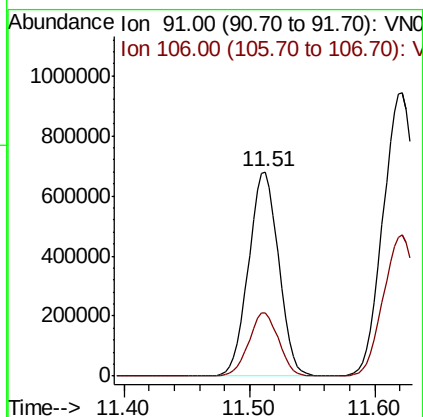
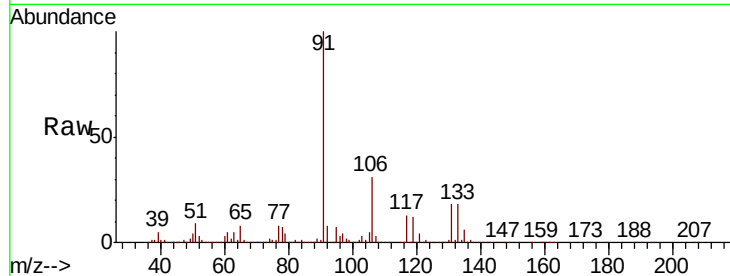




#67
Ethyl Benzene
Concen: 19.640 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

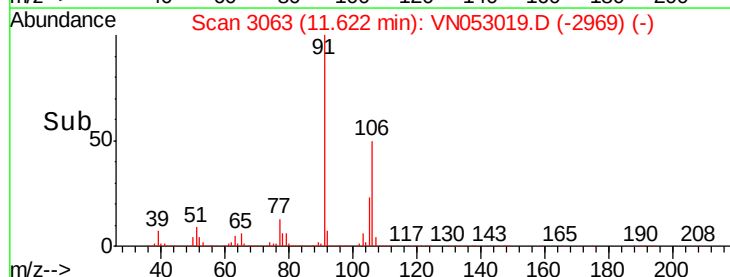
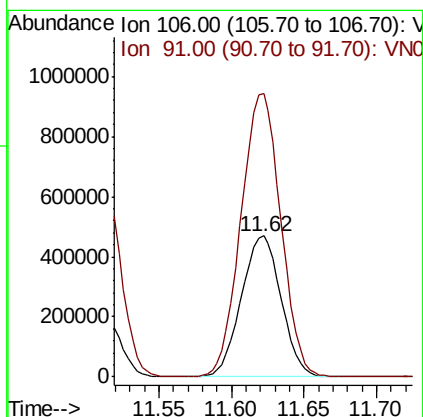
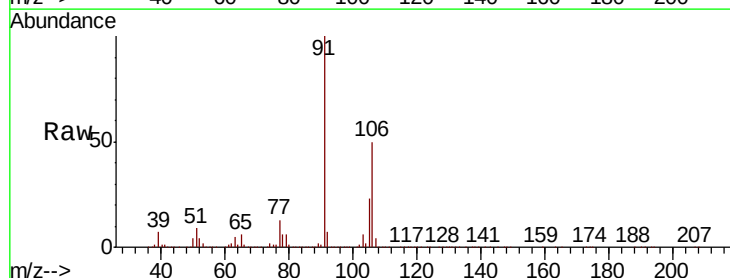
Instrument :
MSVOA_N
ClientSampled :
VN1219WBSD01

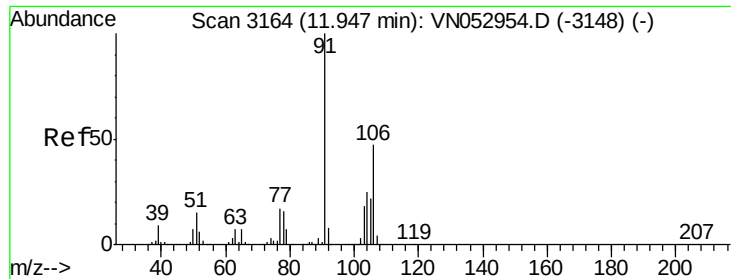
Tot Ion: 91 Resp: 1135980
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 40.737 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion: 106 Resp: 895737
Ion Ratio Lower Upper
106 100
91 200.9 162.2 243.4

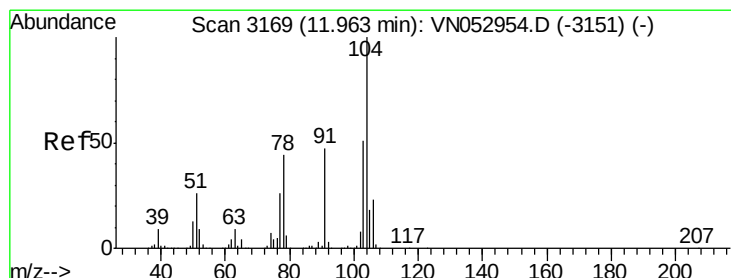
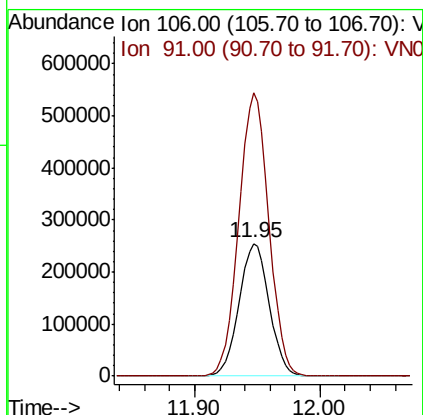
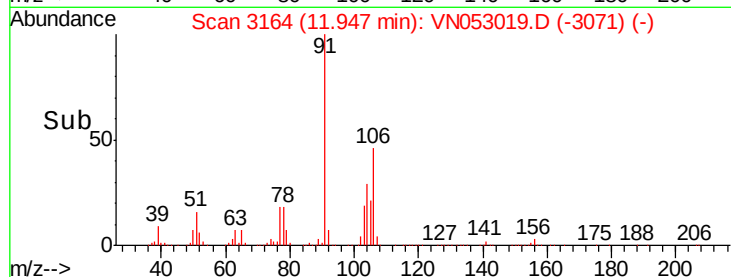
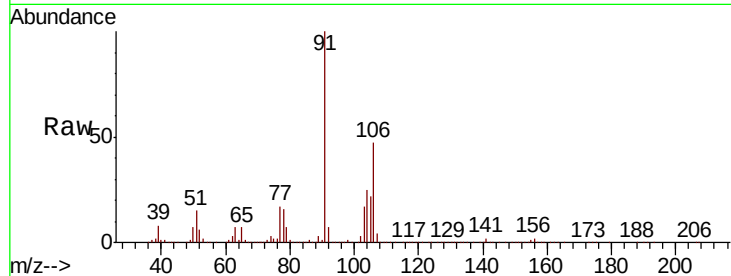




#69
o-Xylene
Concen: 20.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

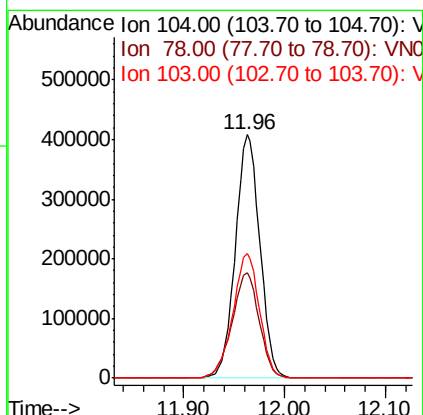
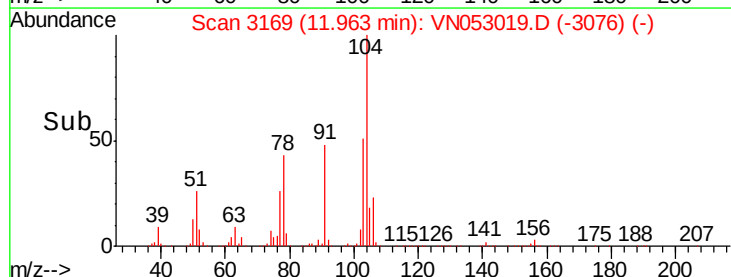
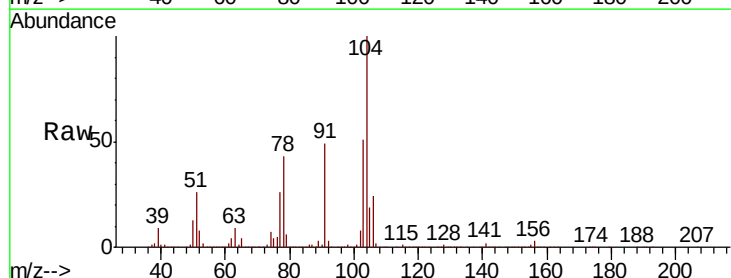
Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

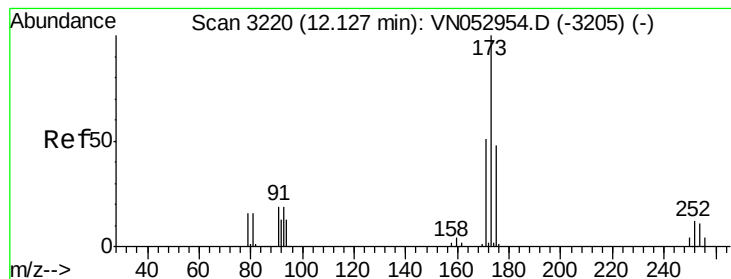
Tot Ion:106 Resp: 422951
Ion Ratio Lower Upper
106 100
91 212.8 106.6 319.8



#70
Styrene
Concen: 19.971 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053019.D
Acq: 19 Dec 2018 18:50

Tgt Ion:104 Resp: 687106
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.3 44.3 66.5





#71

Bromoform

Concen: 18.197 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

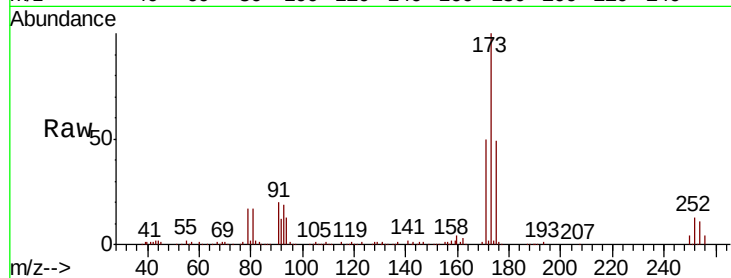
Tot Ion:173 Resp: 153745

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.9

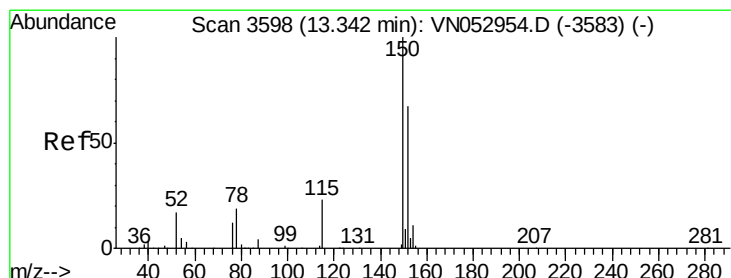
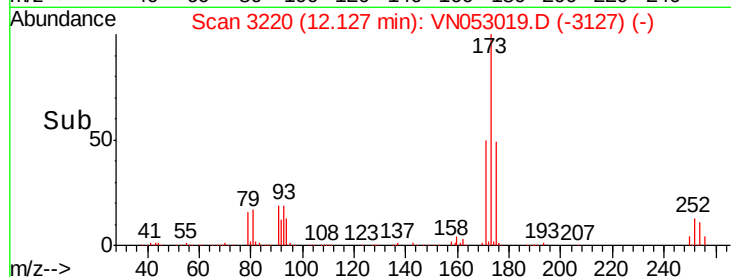
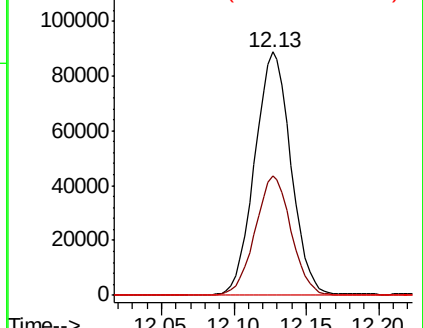
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

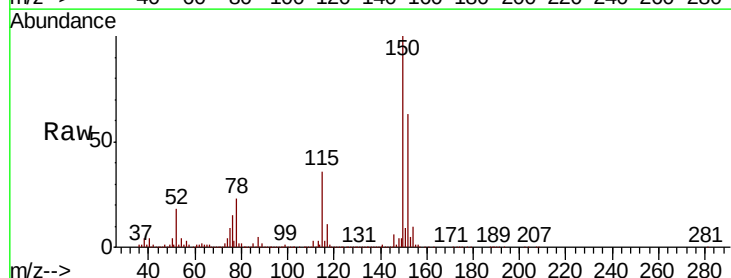
Tgt Ion:152 Resp: 679006

Ion Ratio Lower Upper

152 100

115 56.6 28.3 85.0

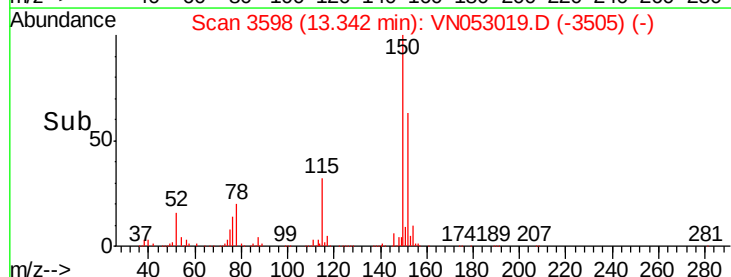
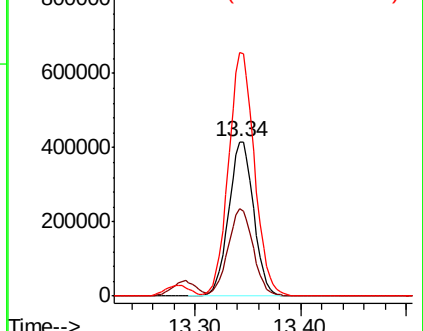
150 163.7 0.0 347.8

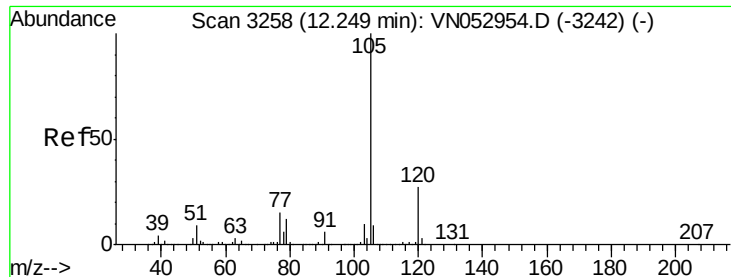


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.929 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

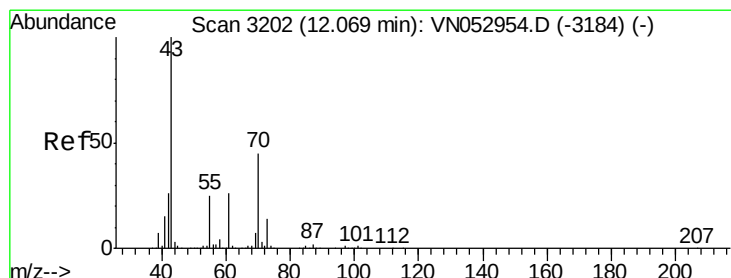
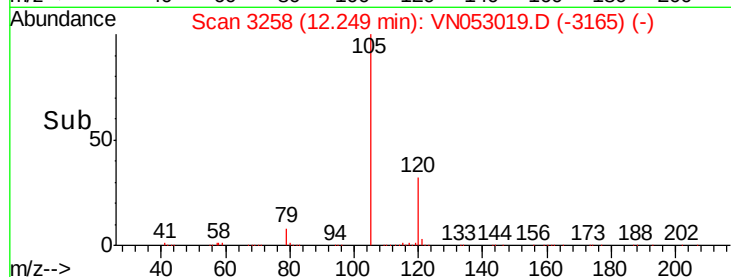
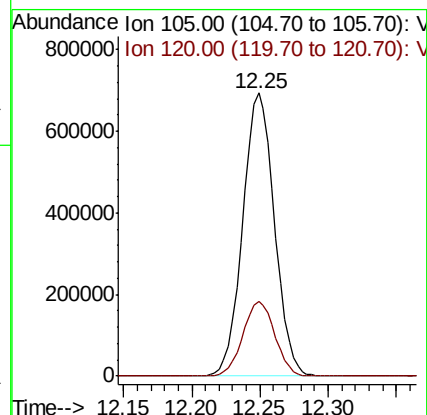
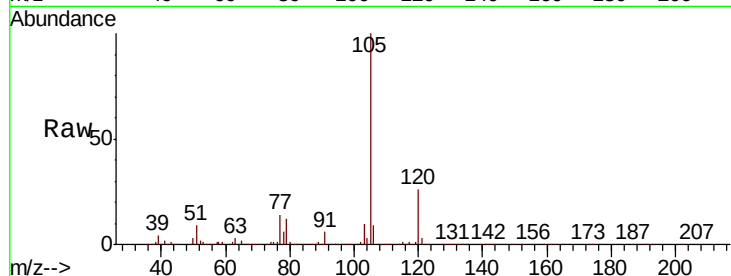
VN1219WBSD01

Tot Ion:105 Resp: 1111858

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 21.918 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Tgt Ion: 43 Resp: 323292

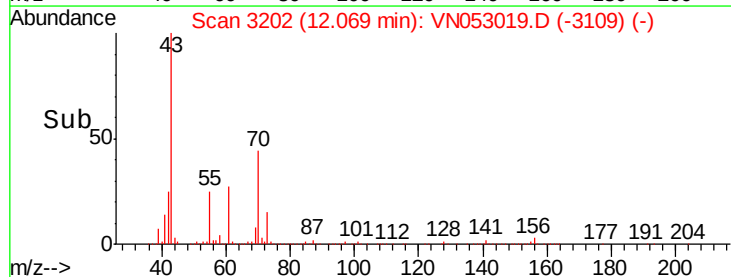
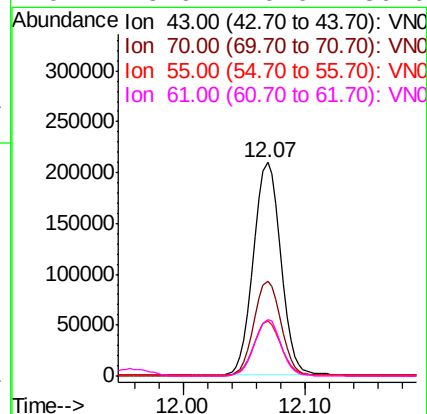
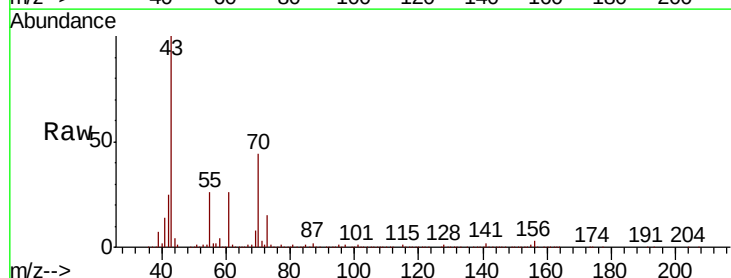
Ion Ratio Lower Upper

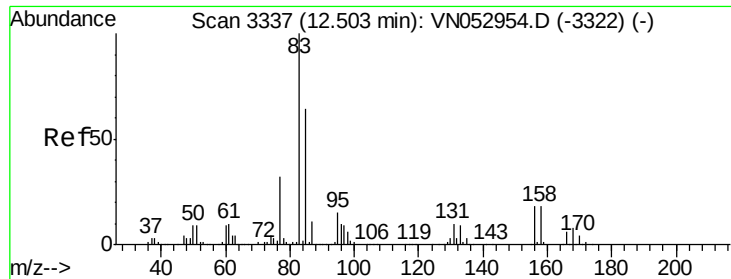
43 100

70 43.9 34.2 51.4

55 25.5 20.3 30.5

61 25.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.224 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

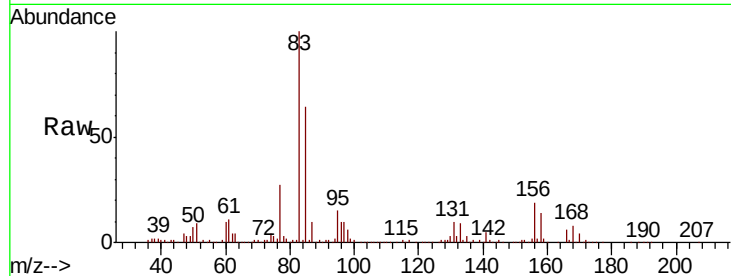
Tot Ion: 83 Resp: 231633

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

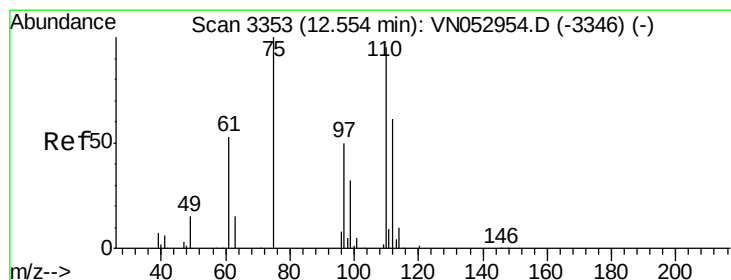
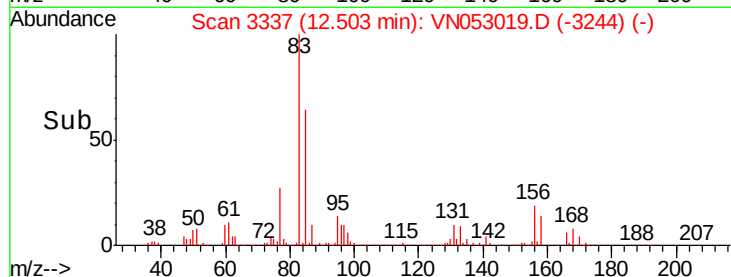
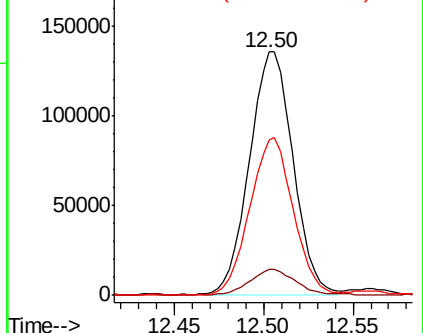
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053019.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053019.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053019.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 27.945 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053019.D

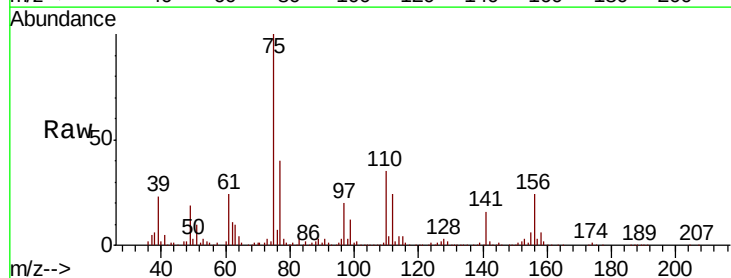
Acq: 19 Dec 2018 18:50

Tgt Ion: 75 Resp: 319422

Ion Ratio Lower Upper

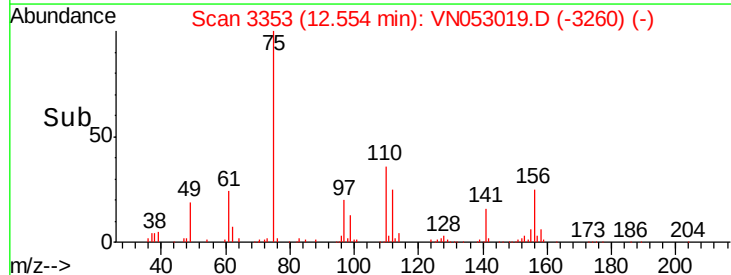
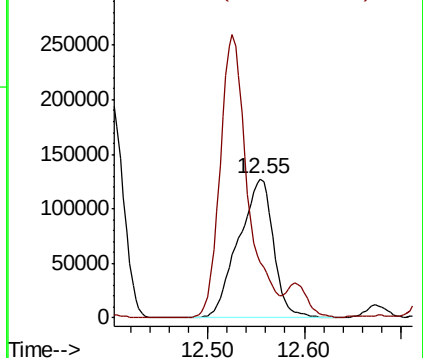
75 100

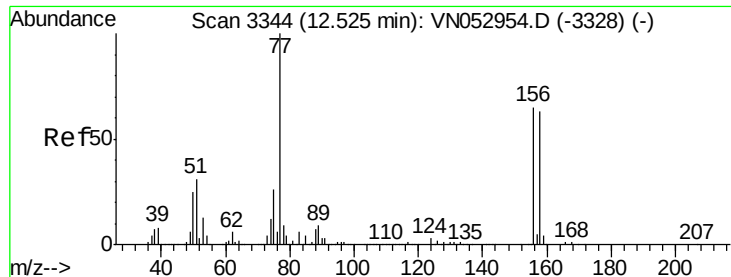
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053019.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053019.D (-3260) (-)





#77

Bromobenzene

Concen: 26.687 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

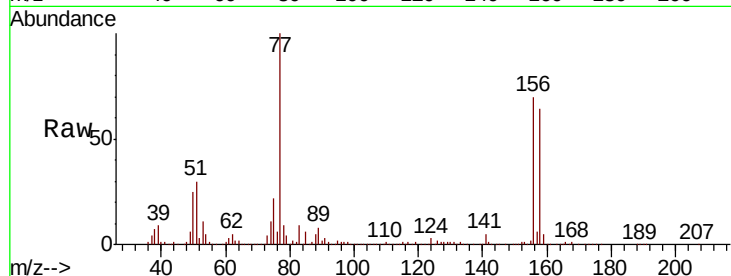
Tot Ion:156 Resp: 368536

Ion Ratio Lower Upper

156 100

77 140.1 91.3 273.8

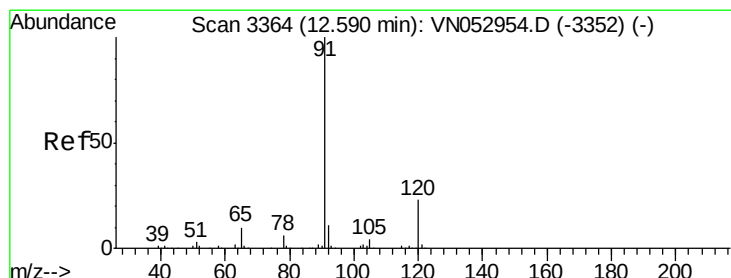
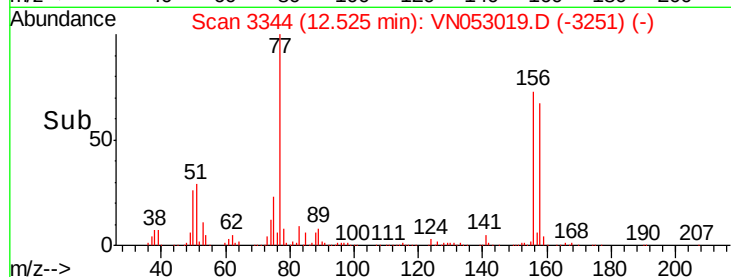
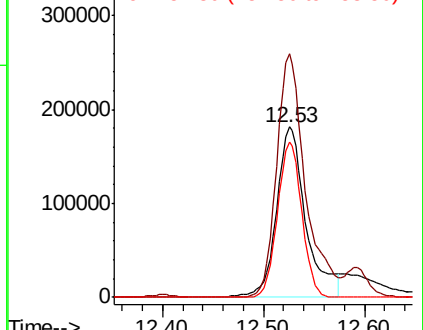
158 75.5 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.513 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053019.D

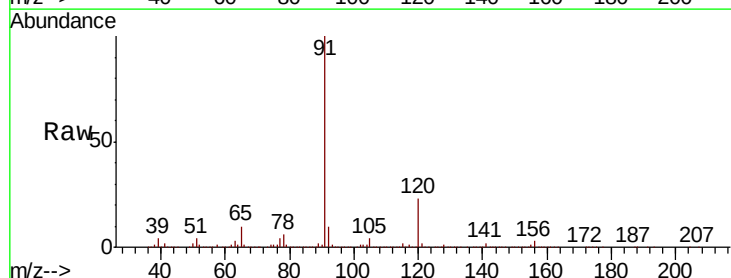
Acq: 19 Dec 2018 18:50

Tgt Ion: 91 Resp: 1241176

Ion Ratio Lower Upper

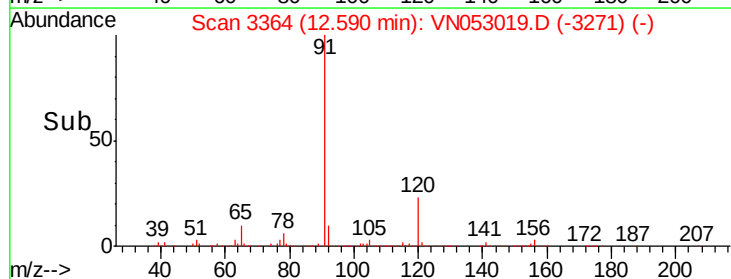
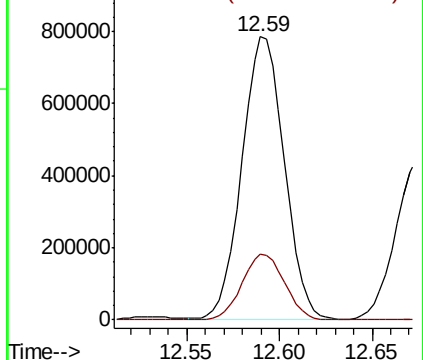
91 100

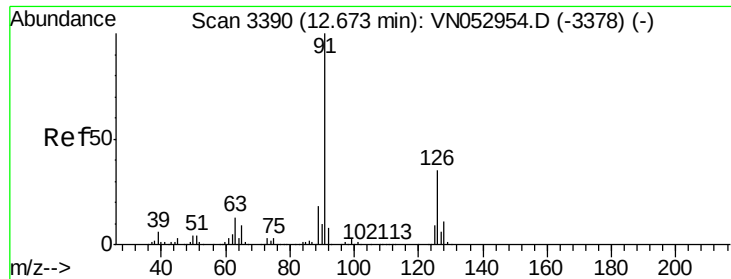
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.542 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

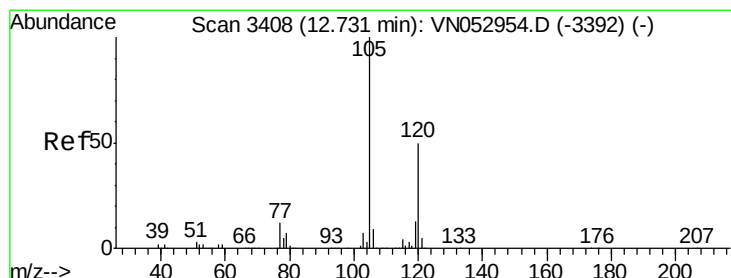
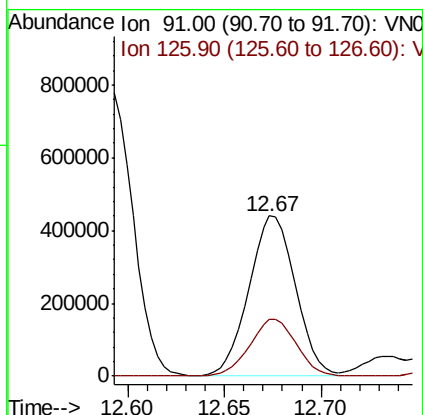
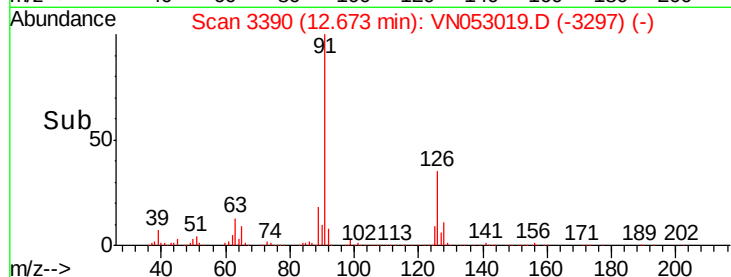
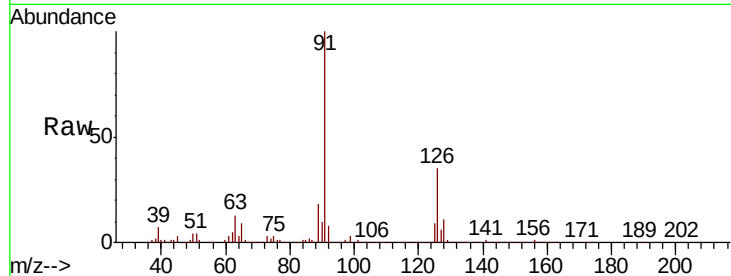
VN1219WBSD01

Tot Ion: 91 Resp: 732910

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.135 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053019.D

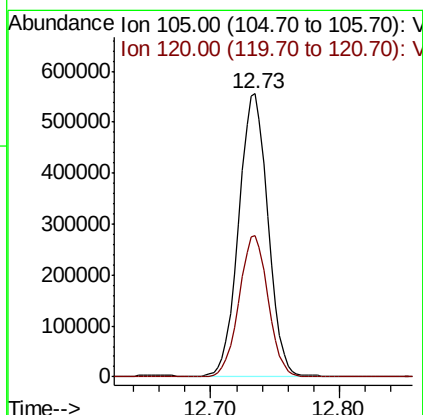
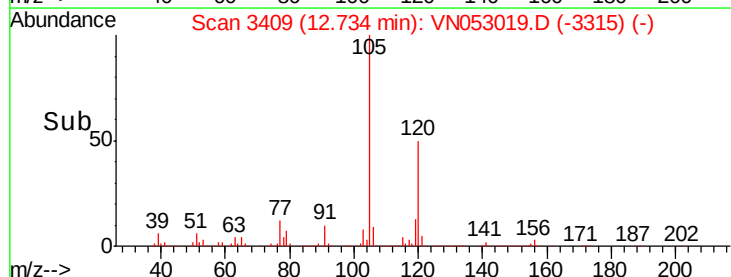
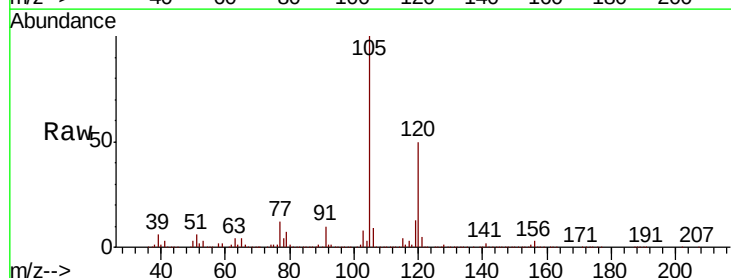
Acq: 19 Dec 2018 18:50

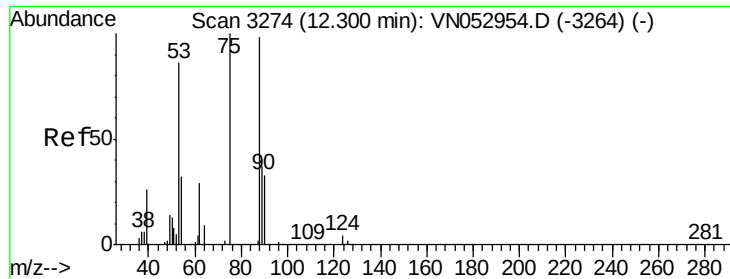
Tgt Ion: 105 Resp: 871896

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.454 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

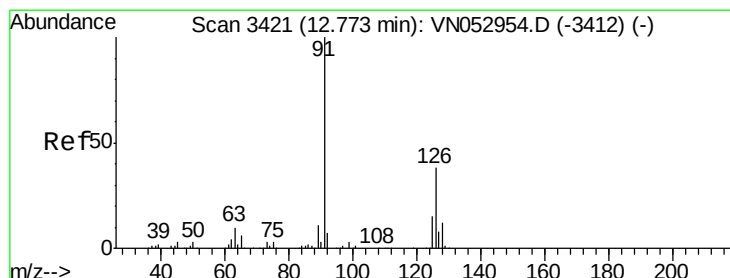
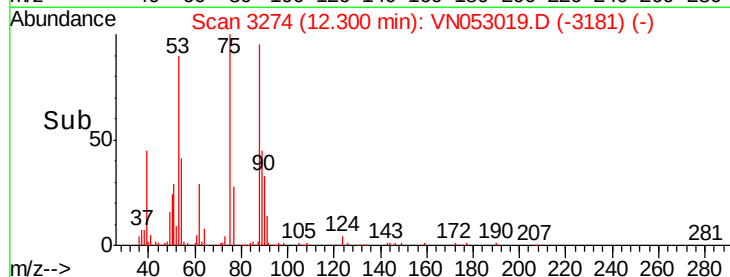
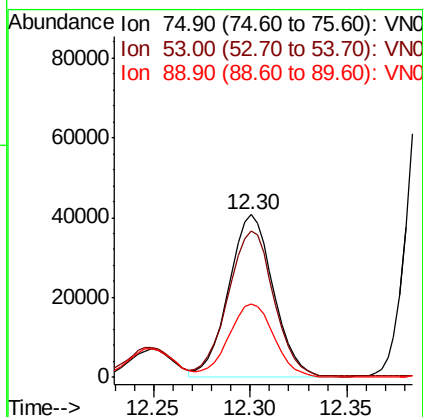
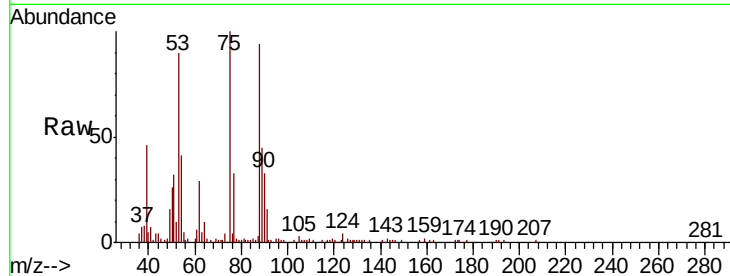
Tot Ion: 75 Resp: 65444

Ion Ratio Lower Upper

75 100

53 91.5 74.7 112.1

89 45.8 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.004 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053019.D

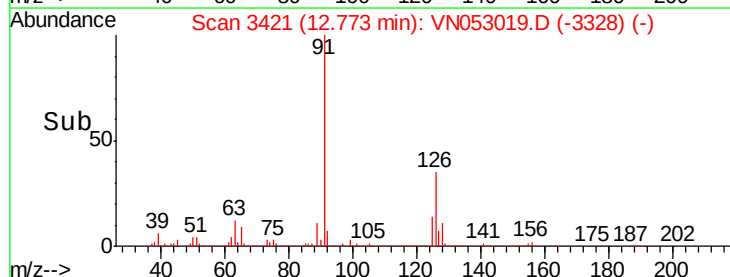
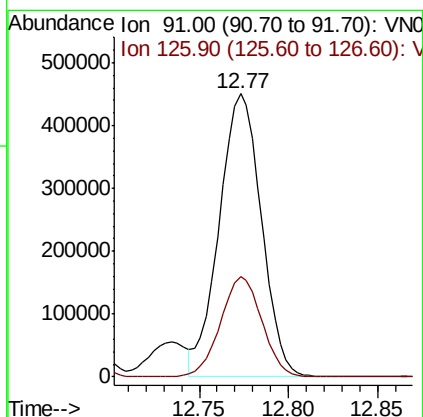
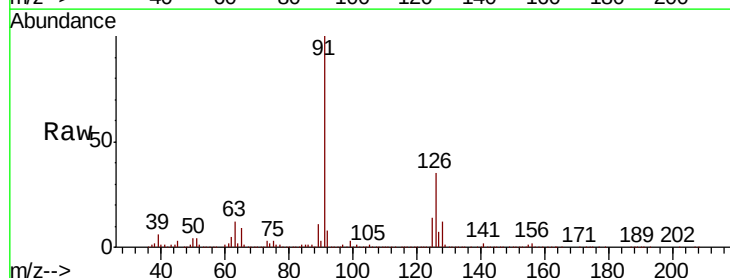
Acq: 19 Dec 2018 18:50

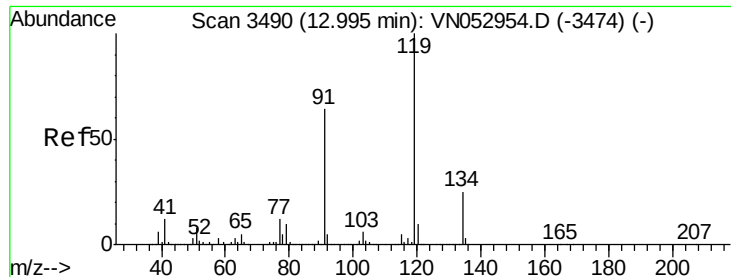
Tgt Ion: 91 Resp: 734409

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7

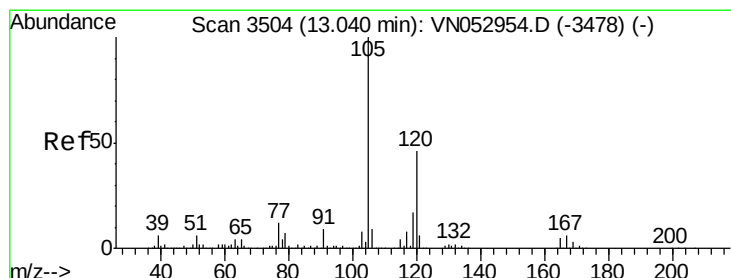
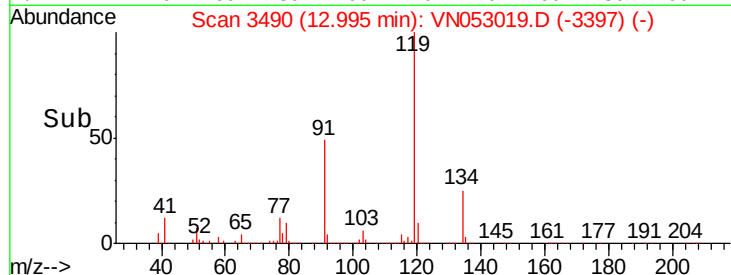
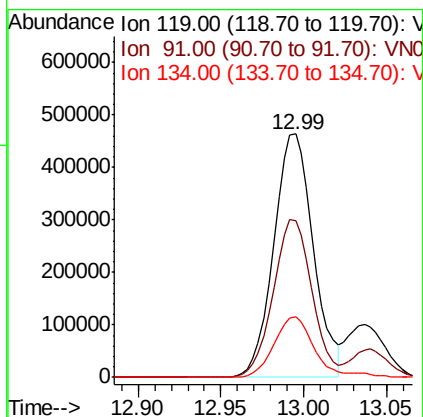
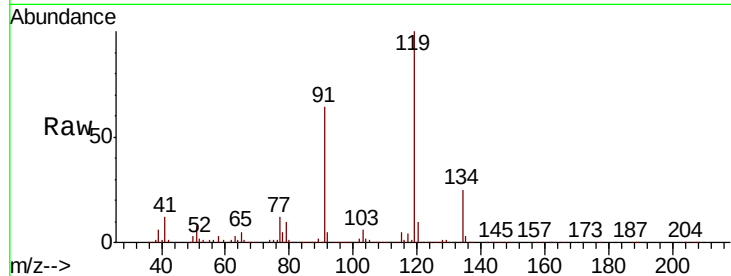




#83
 tert-Butylbenzene
 Concen: 20.107 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

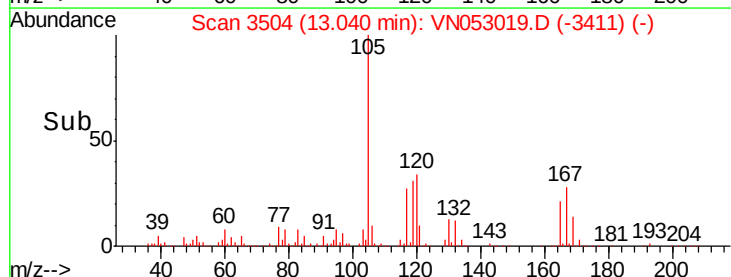
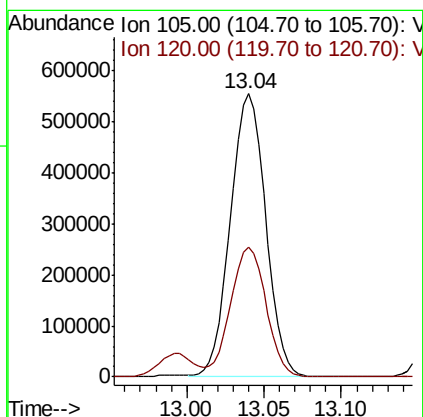
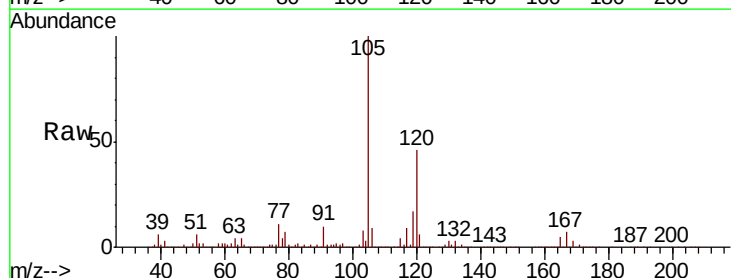
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

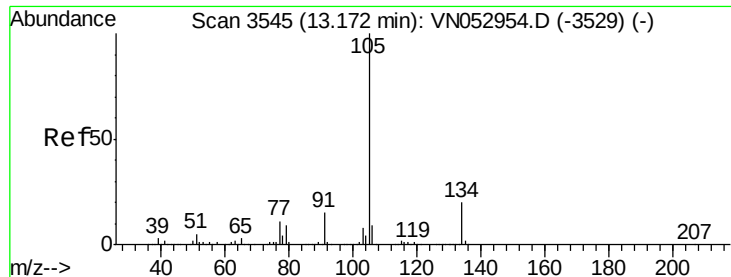
Tot Ion:119 Resp: 770056
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.9 95.5
 134 25.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.197 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion:105 Resp: 879214
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.520 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

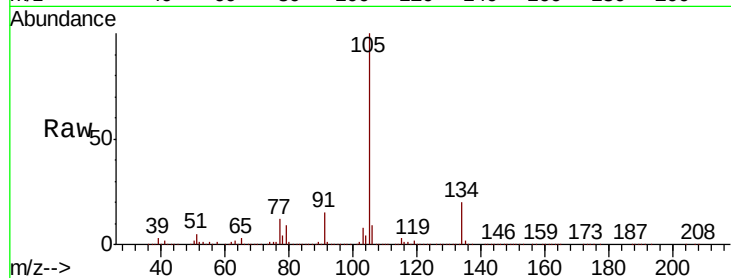
VN1219WBSD01

Tot Ion:105 Resp: 1011146

Ion Ratio Lower Upper

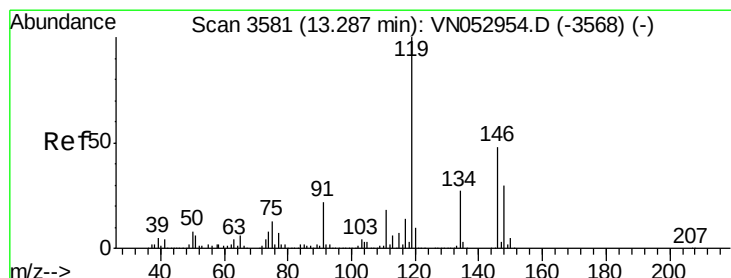
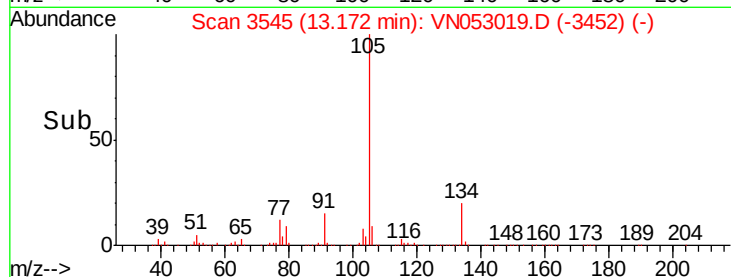
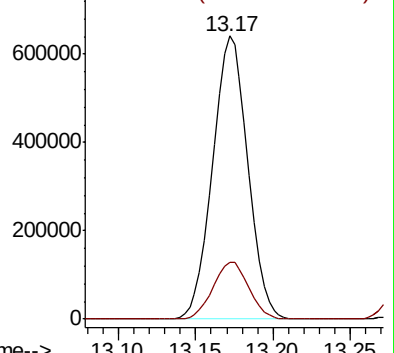
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.334 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

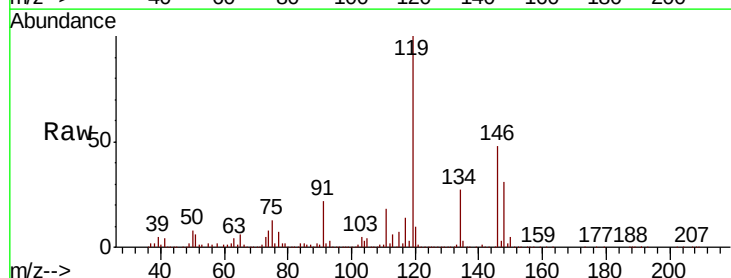
Tgt Ion:119 Resp: 865399

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

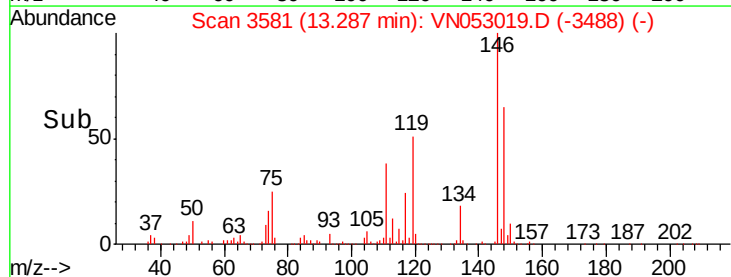
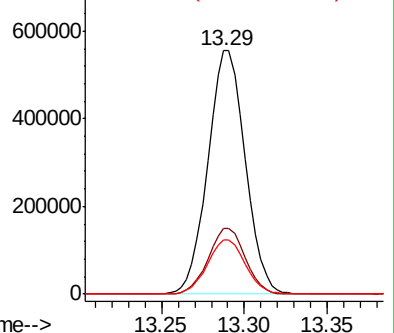
91 22.3 11.1 33.3

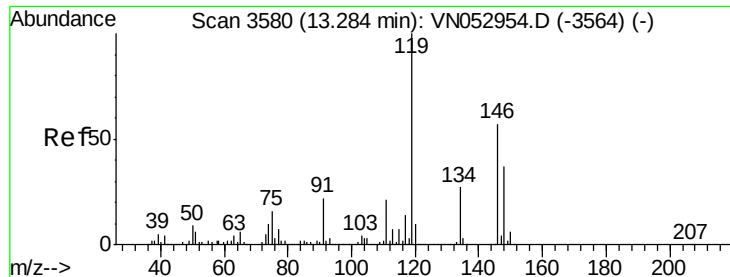


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

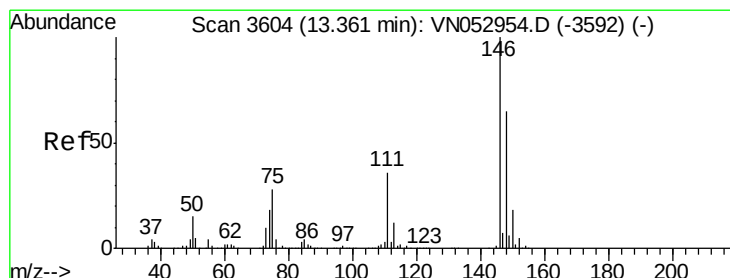
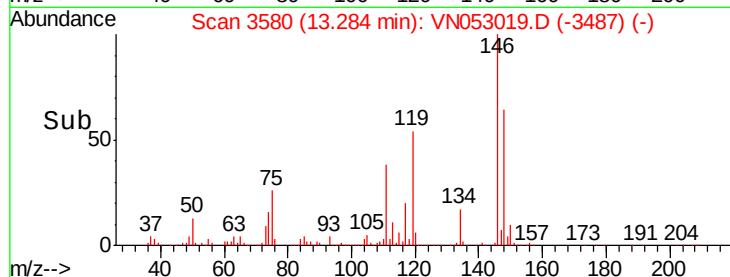
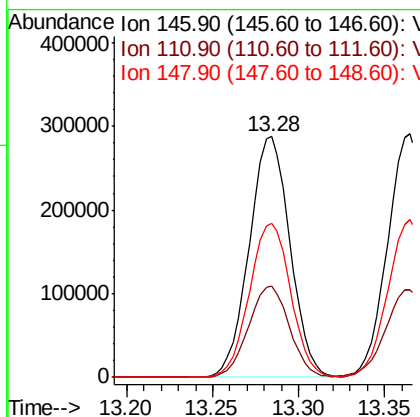
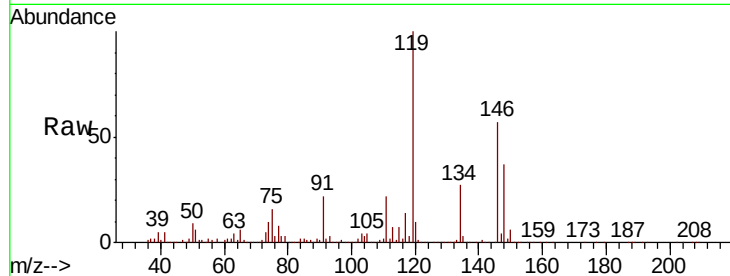




#87
 1,3-Dichlorobenzene
 Concen: 19.379 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

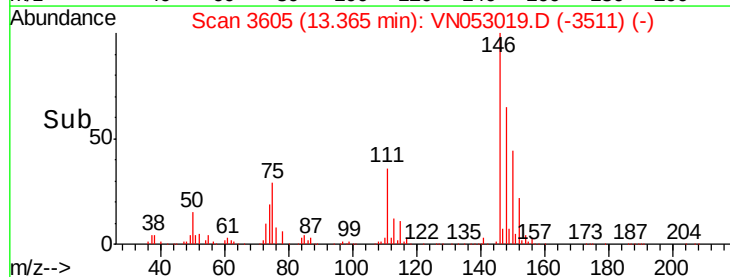
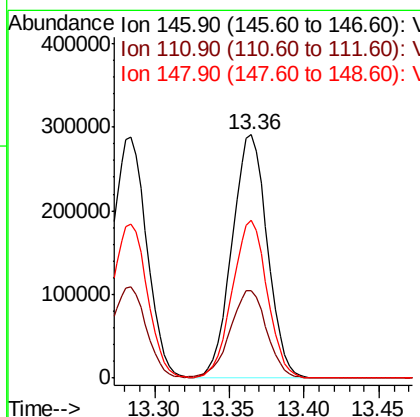
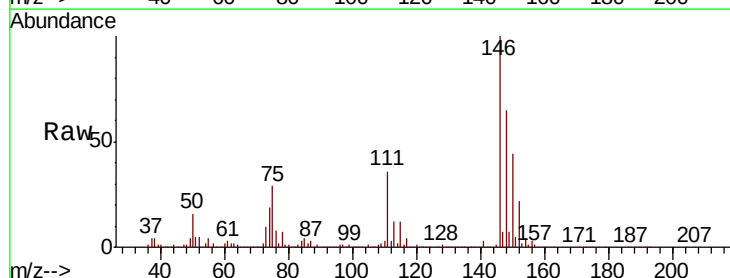
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

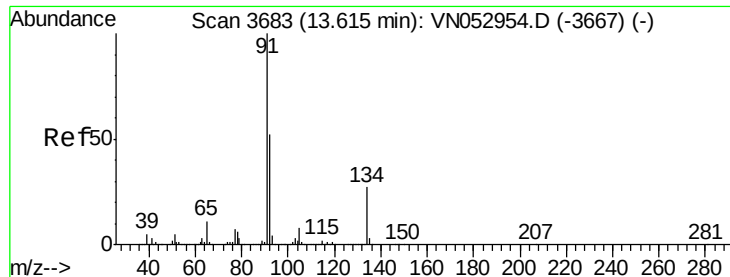
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.5	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.0	32.1	96.5





#89

n-Butylbenzene

Concen: 17.934 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

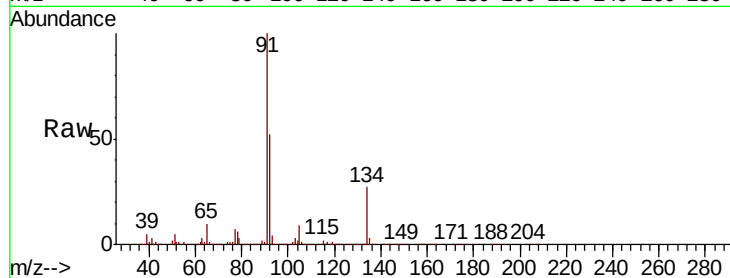
Tot Ion: 91 Resp: 690593

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.9

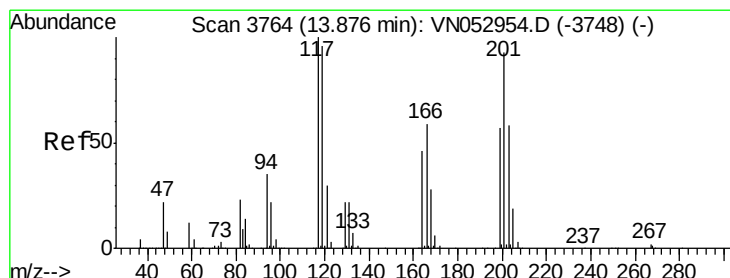
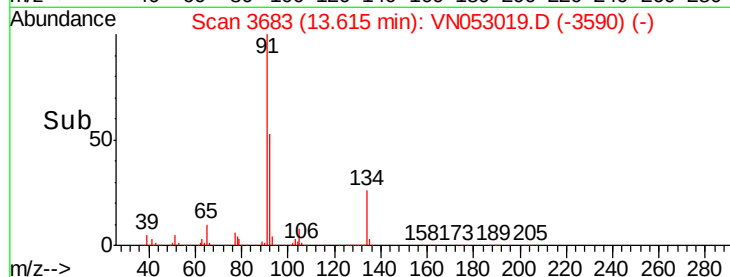
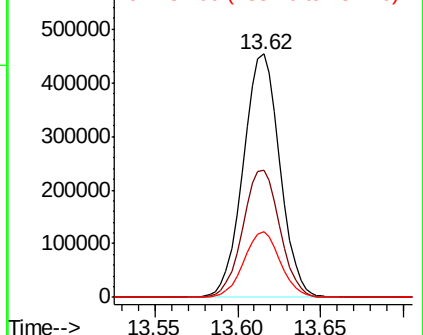
134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 17.679 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053019.D

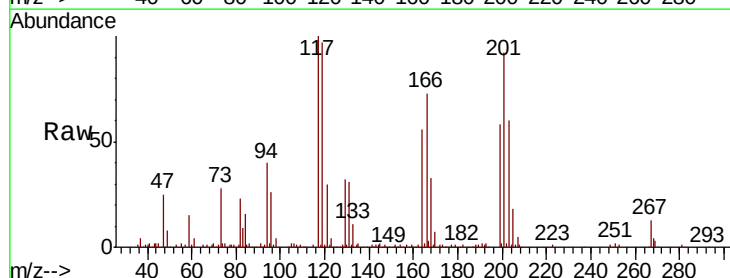
Acq: 19 Dec 2018 18:50

Tgt Ion: 117 Resp: 121432

Ion Ratio Lower Upper

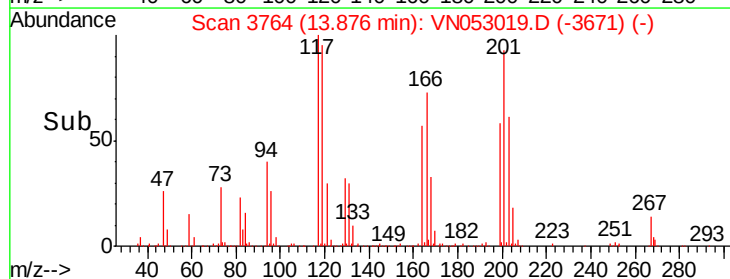
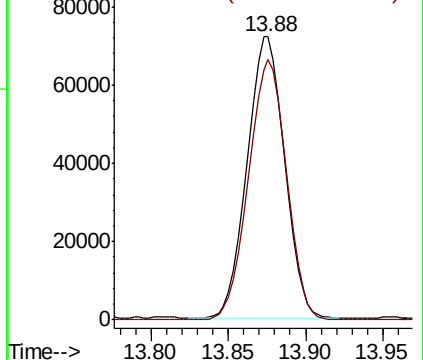
117 100

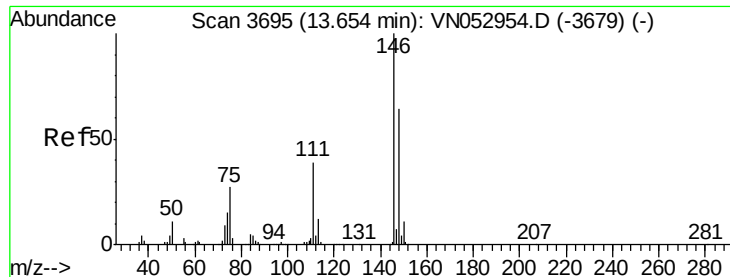
201 93.5 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

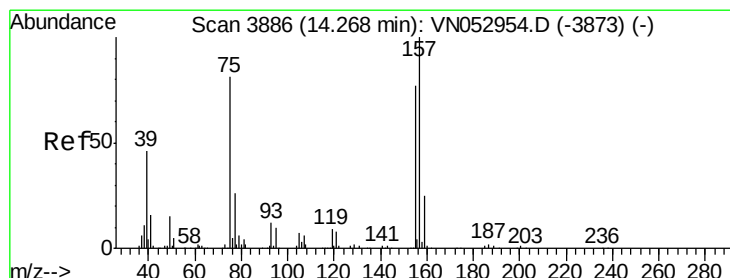
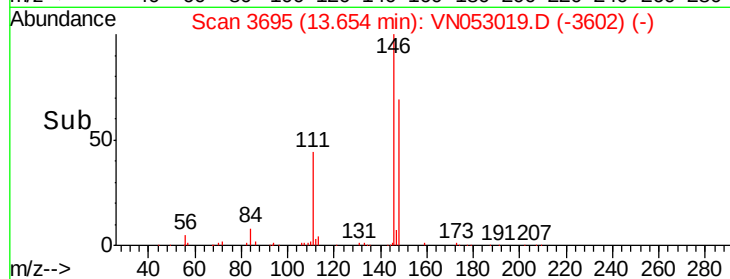
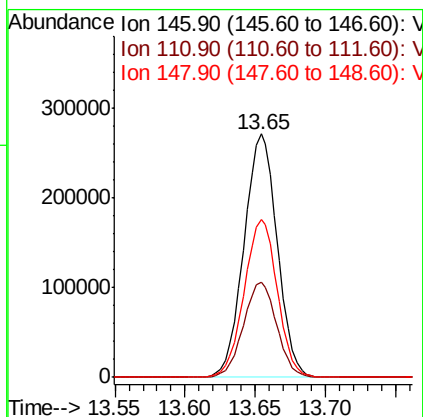
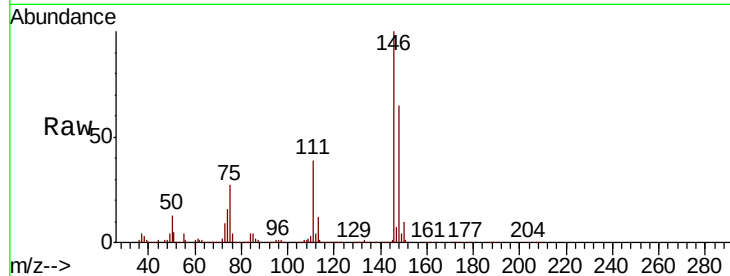




#91
 1,2-Dichlorobenzene
 Concen: 19.449 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

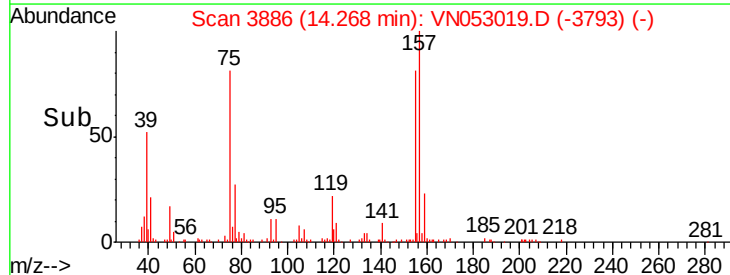
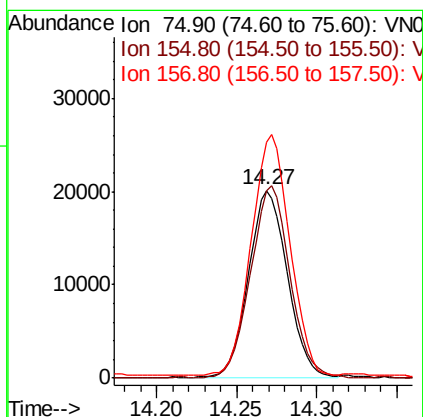
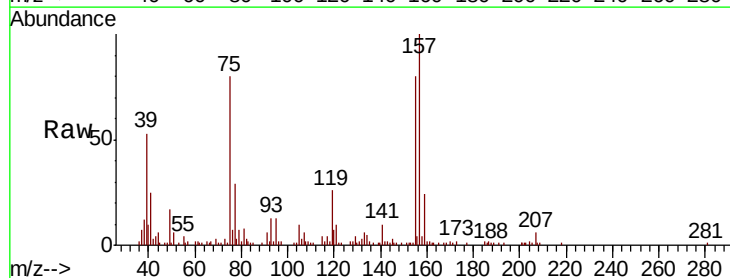
Instrument :
 MSVOA_N
 ClientSampled :
 VN1219WBSD01

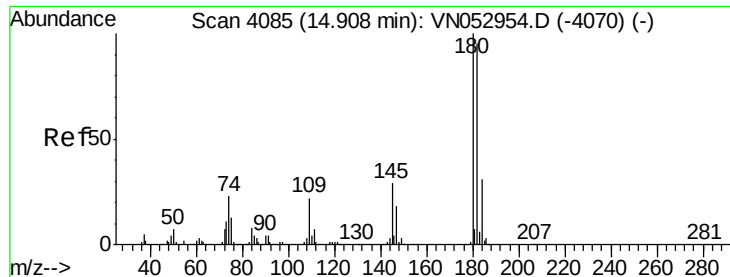
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.718 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.3	48.2	144.6
157	125.8	61.2	183.5

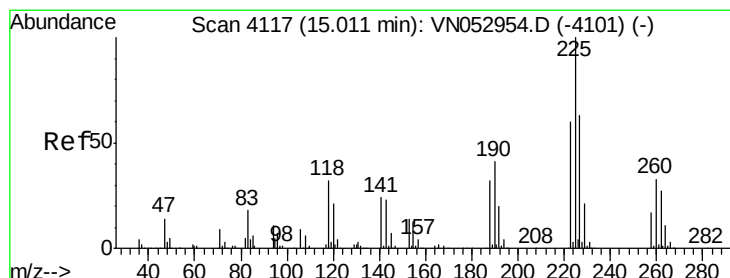
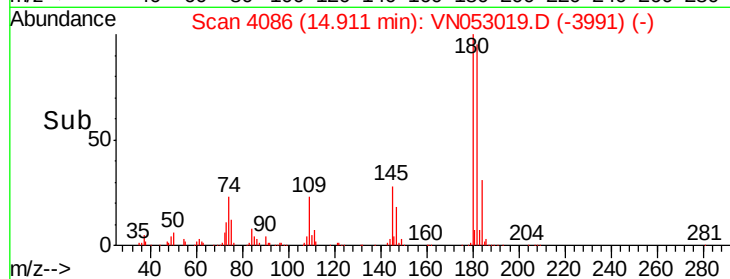
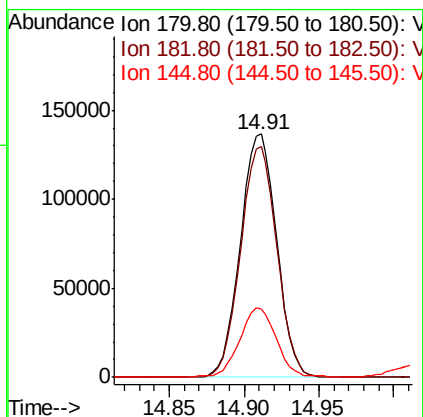
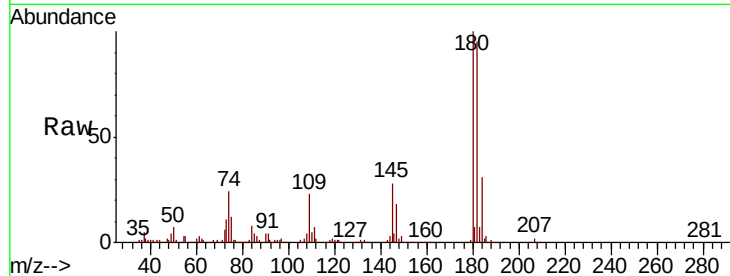




#93
 1,2,4-Trichlorobenzene
 Concen: 19.294 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

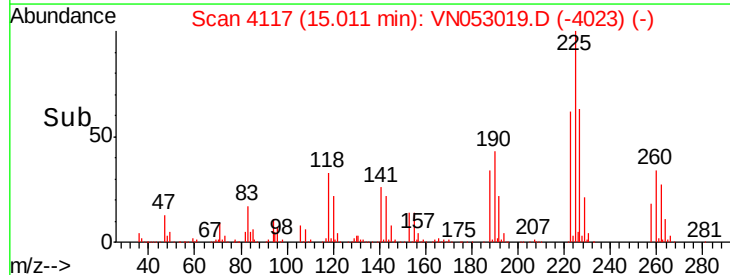
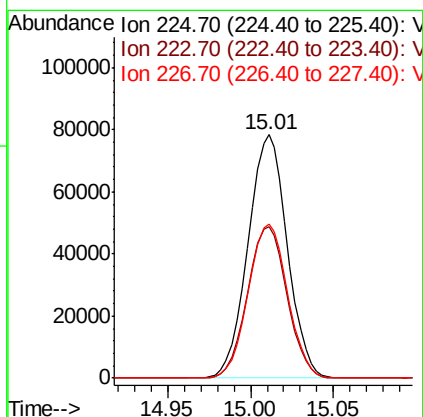
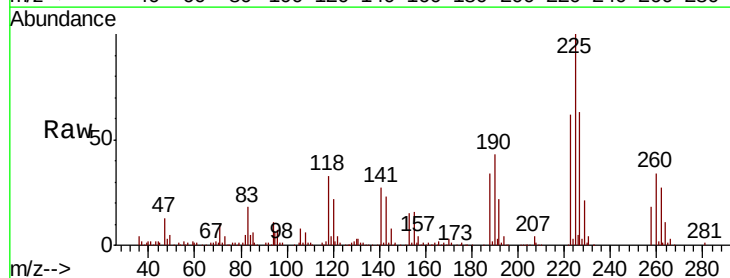
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

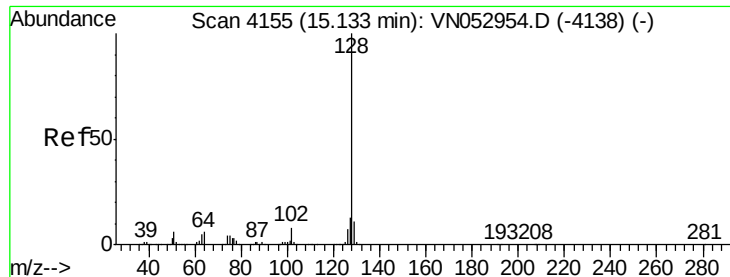
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	27.9	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.667 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053019.D
 Acq: 19 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	63.5	31.9	95.7





#95

Naphthalene

Concen: 21.129 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

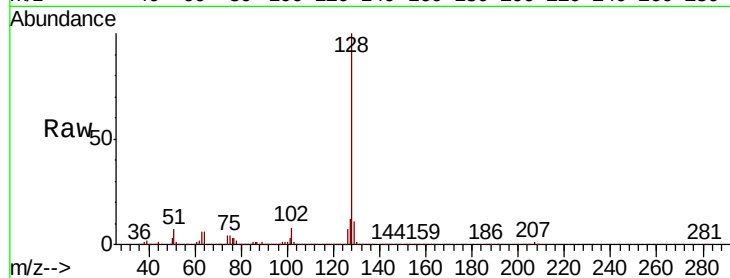
Tot Ion:128 Resp: 545993

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.6 8.6 13.0

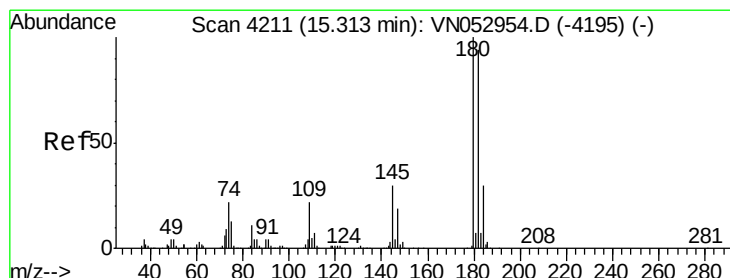
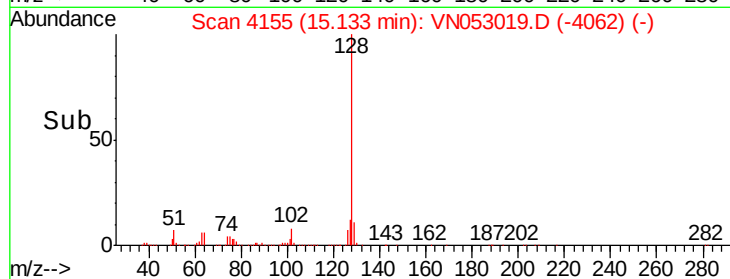
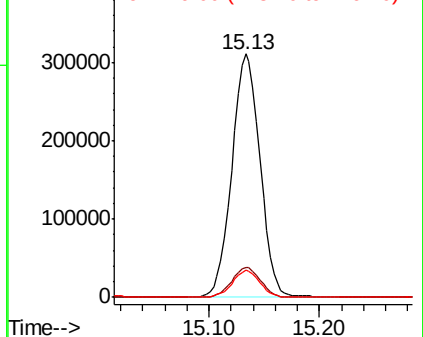


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.856 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053019.D

Acq: 19 Dec 2018 18:50

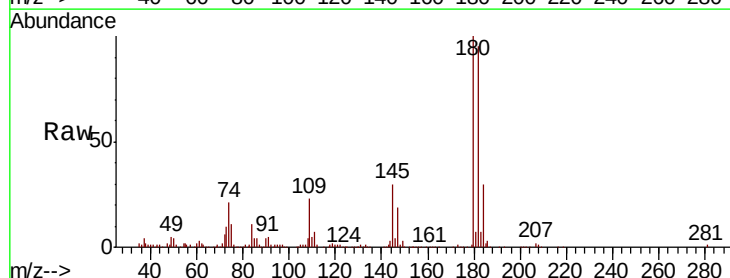
Tgt Ion:180 Resp: 214522

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.6 15.0 45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

