

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054520.D
 Acq On : 21 Mar 2019 19:22
 Operator : JC/SP
 Sample : VN0321WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Quant Time: Mar 22 10:16:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	483313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	803396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	329042	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	263925	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.09	98	973902	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	319681	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99655	21.569	ug/l	100
3) Chloromethane	2.06	50	137785	21.918	ug/l	100
4) Vinyl Chloride	2.19	62	138593	21.959	ug/l	99
5) Bromomethane	2.58	94	79406	19.457	ug/l	98
6) Chloroethane	2.71	64	77107	20.368	ug/l	94
7) Trichlorofluoromethane	3.02	101	162060	21.143	ug/l	99
8) Diethyl Ether	3.41	74	59778	20.279	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.75	101	86916	19.295	ug/l	96
10) Methyl Iodide	3.94	142	127142	19.187	ug/l	92
11) Tert butyl alcohol	4.82	59	41511	114.054	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	91001	19.521	ug/l #	83
13) Acrolein	3.61	56	47252	94.078	ug/l	99
14) Allyl chloride	4.32	41	188331	21.454	ug/l #	91
15) Acrylonitrile	5.00	53	208667	115.128	ug/l	99
16) Acetone	3.82	43	153827	85.109	ug/l #	85
17) Carbon Disulfide	4.04	76	240923	19.288	ug/l	96
18) Methyl Acetate	4.33	43	93892	23.307	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	303073	22.277	ug/l	96
20) Methylene Chloride	4.55	84	114252	21.444	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	103524	21.748	ug/l	89
22) Diisopropyl ether	5.96	45	396994	22.928	ug/l #	94
23) Vinyl Acetate	5.90	43	1381591	112.976	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	210069	22.532	ug/l	97
25) 2-Butanone	6.85	43	255544	110.373	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	122014	18.359	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	122918	21.649	ug/l	90
28) Bromochloromethane	7.20	49	99738	21.734	ug/l #	74
29) Tetrahydrofuran	7.22	42	177004	117.809	ug/l #	85
30) Chloroform	7.37	83	202951	22.306	ug/l	99
31) Cyclohexane	7.65	56	202822	21.651	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	166899	22.235	ug/l	95
36) 1,1-Dichloropropene	7.79	75	152003	20.235	ug/l	96
37) Ethyl Acetate	6.94	43	114357	21.404	ug/l	97
38) Carbon Tetrachloride	7.77	117	142173	19.476	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	166854	19.418	ug/l	90
40) Benzene	8.04	78	450271	20.962	ug/l	99
41) Methacrylonitrile	7.18	41	66488	20.406	ug/l	89
42) 1,2-Dichloroethane	8.13	62	162962	20.832	ug/l	99
43) Isopropyl Acetate	8.17	43	191675	21.243	ug/l #	94
44) Trichloroethene	8.84	130	119521	20.014	ug/l	93
45) 1,2-Dichloropropane	9.12	63	125637	21.782	ug/l	99
46) Dibromomethane	9.21	93	73899	21.476	ug/l	89
47) Bromodichloromethane	9.40	83	146739	20.548	ug/l	97
48) Methyl methacrylate	9.20	41	100701	20.562	ug/l	86
49) 1,4-Dioxane	9.21	88	23024	420.533	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	544454	108.878	ug/l	94
52) Toluene	10.16	92	266955	20.206	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	129292	18.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	165863	20.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	100734	21.211	ug/l	98
56) Ethyl methacrylate	10.43	69	129689	20.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	174524	21.141	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	252883	96.346	ug/l	91
59) 2-Hexanone	10.75	43	335224	102.630	ug/l	93
60) Dibromochloromethane	10.90	129	102027	20.190	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96407	20.534	ug/l	98
64) Tetrachloroethene	10.63	164	116818	20.614	ug/l	95
65) Chlorobenzene	11.43	112	279375	20.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	105202	21.093	ug/l	99
67) Ethyl Benzene	11.51	91	497597	20.272	ug/l	98
68) m/p-Xylenes	11.62	106	370018	39.799	ug/l	95
69) o-Xylene	11.95	106	183000	20.155	ug/l	98
70) Styrene	11.96	104	296736	20.125	ug/l	97
71) Bromoform	12.13	173	60759	19.106	ug/l #	98
73) Isopropylbenzene	12.25	105	482672	21.070	ug/l	99
74) N-amyl acetate	12.07	43	148334	22.520	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	118512	22.663	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	139550	30.935	ug/l #	100
77) Bromobenzene	12.53	156	121059	21.308	ug/l	88
78) n-propylbenzene	12.59	91	516941	20.811	ug/l	96
79) 2-Chlorotoluene	12.67	91	321923	20.782	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	388659	20.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22592	19.342	ug/l #	79
82) 4-Chlorotoluene	12.77	91	310507	20.680	ug/l	96
83) tert-Butylbenzene	12.99	119	338429	20.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	382002	20.736	ug/l	98
85) sec-Butylbenzene	13.17	105	423276	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	370605	20.334	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	192236	20.418	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	183479	20.029	ug/l	98
89) n-Butylbenzene	13.62	91	274857	19.286	ug/l	98
90) Hexachloroethane	13.88	117	57753	20.414	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	191147	20.961	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16394	21.374	ug/l	91

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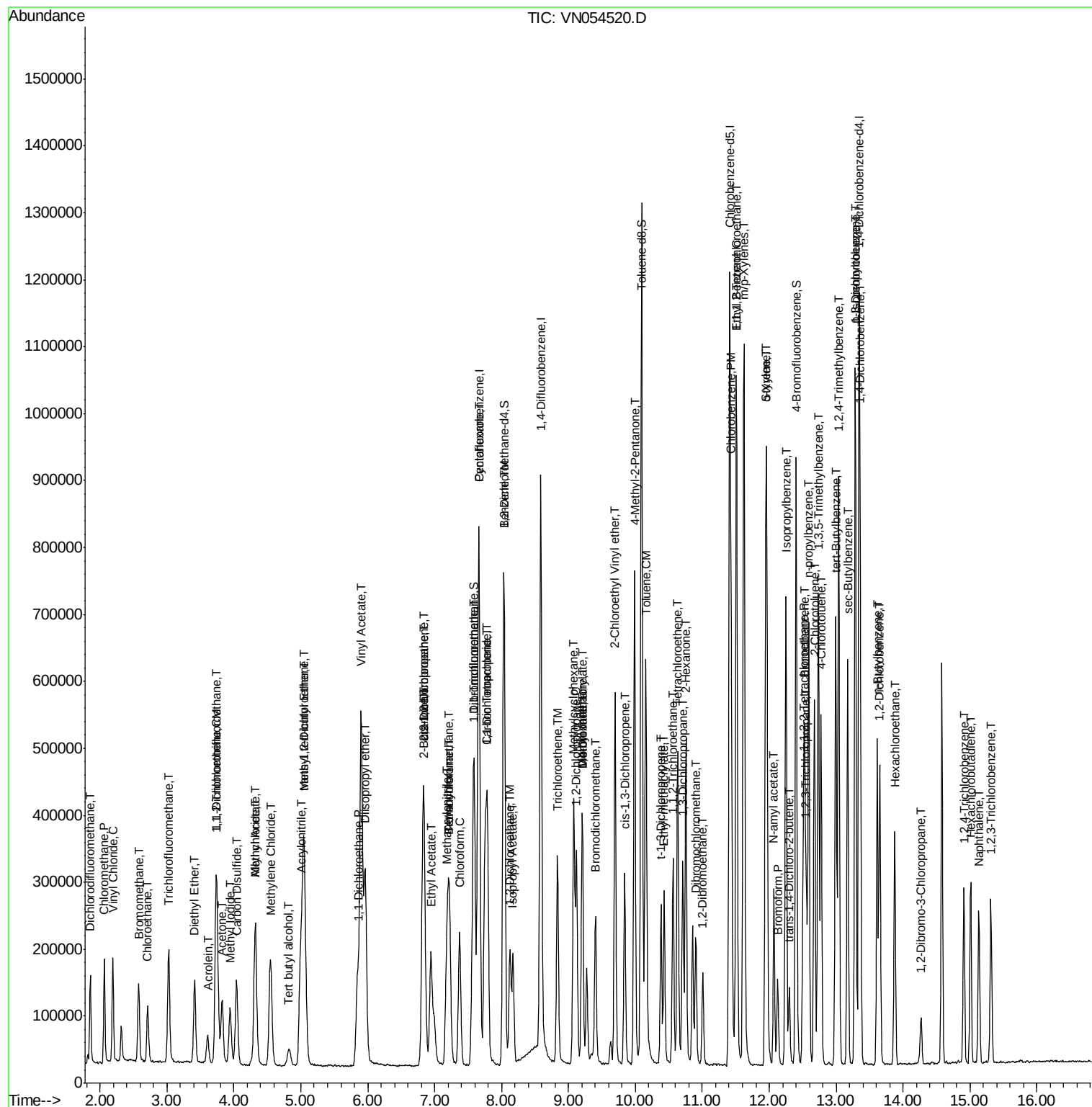
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85878	18.891	ug/l	98
94) Hexachlorobutadiene	15.01	225	55229	20.143	ug/l	97
95) Naphthalene	15.13	128	198641	19.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86281	19.070	ug/l	98

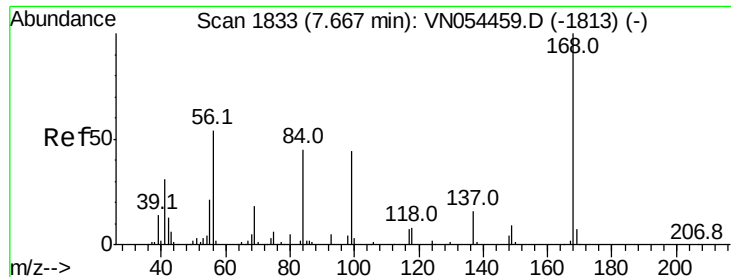
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

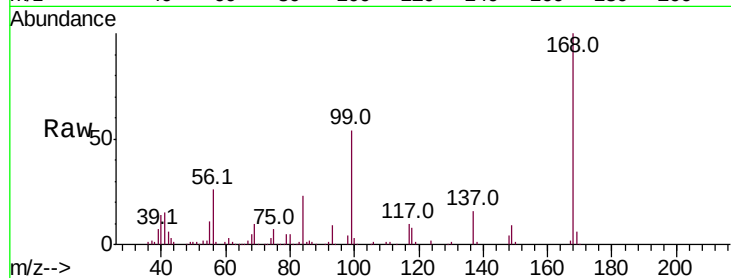
VN0321WBSD01

Tot Ion:168 Resp: 483313

Ion Ratio Lower Upper

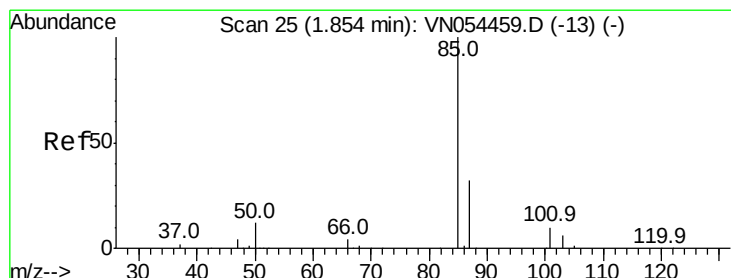
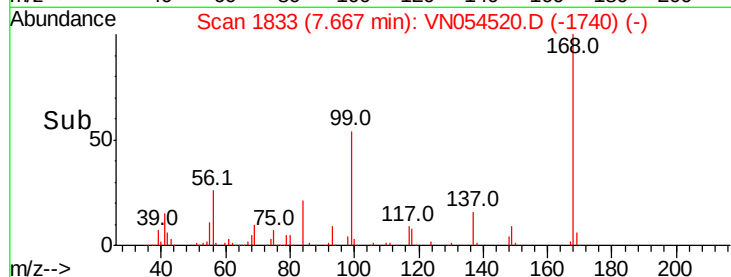
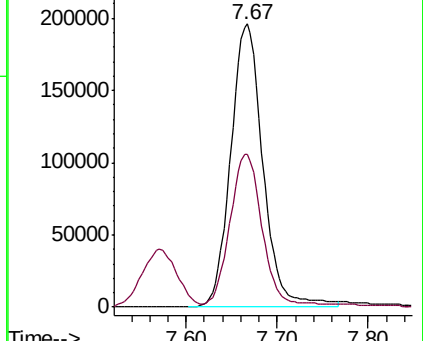
168 100

99 53.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.569 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054520.D

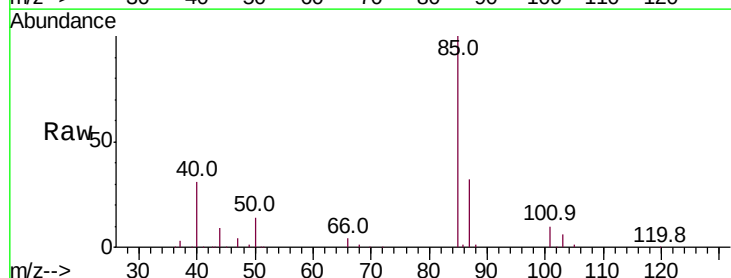
Acq: 21 Mar 2019 19:22

Tgt Ion: 85 Resp: 99655

Ion Ratio Lower Upper

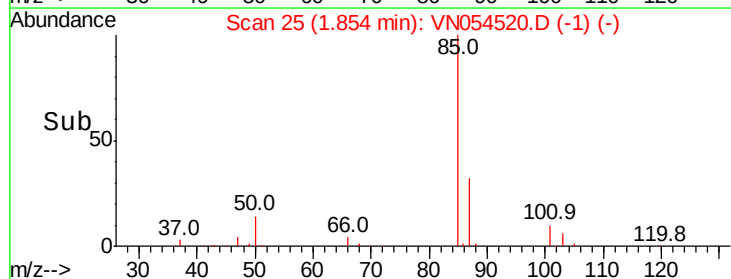
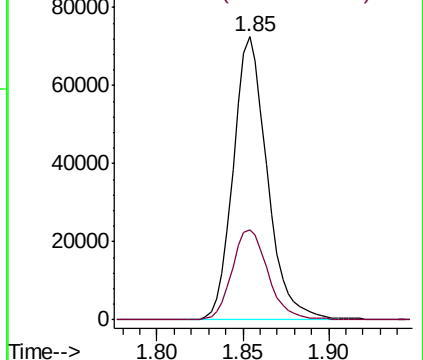
85 100

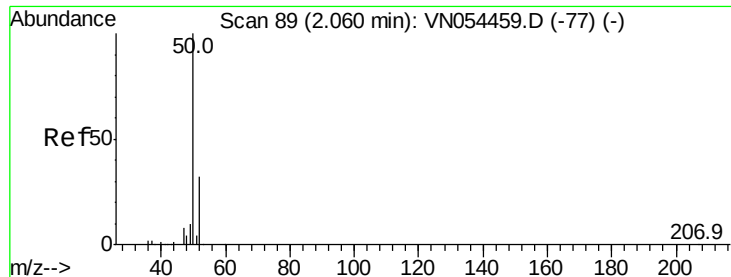
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.918 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

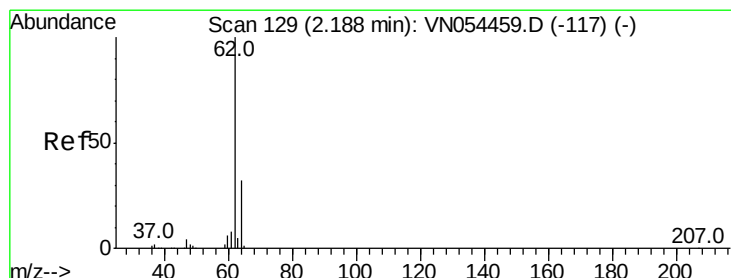
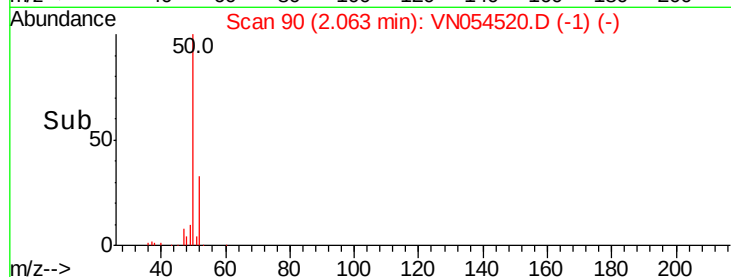
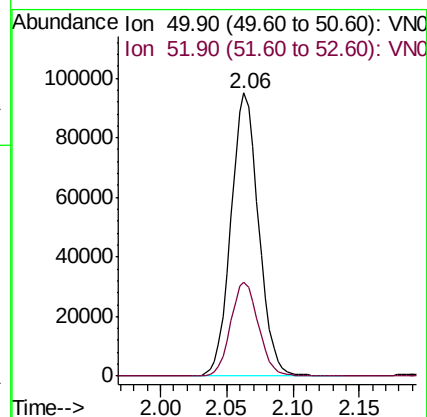
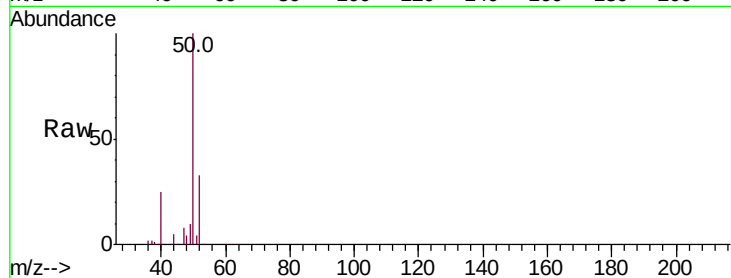
VN0321WBSD01

Tot Ion: 50 Resp: 137785

Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6



#4

Vinyl Chloride

Concen: 21.959 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054520.D

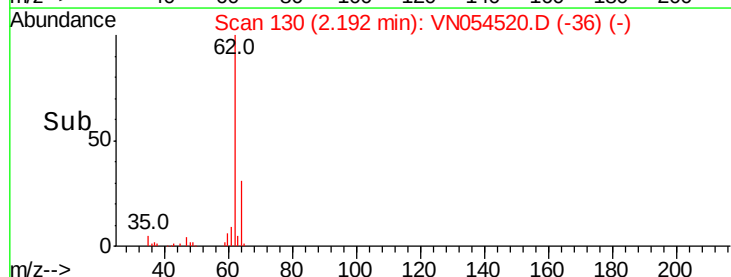
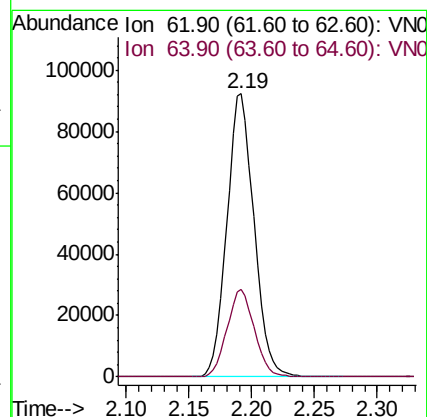
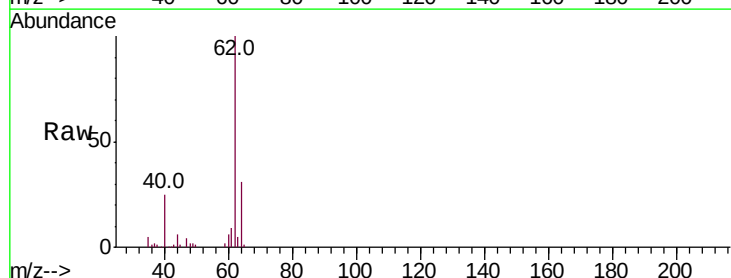
Acq: 21 Mar 2019 19:22

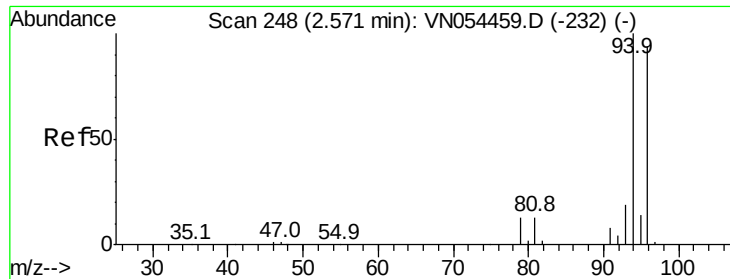
Tgt Ion: 62 Resp: 138593

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3

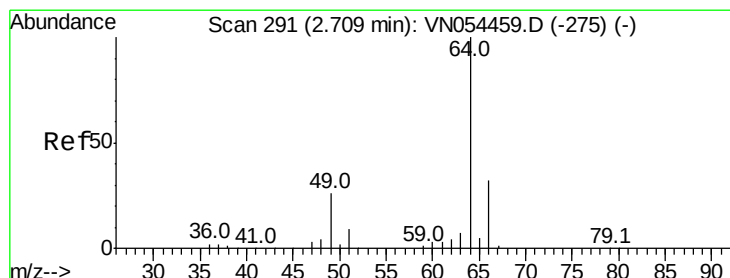
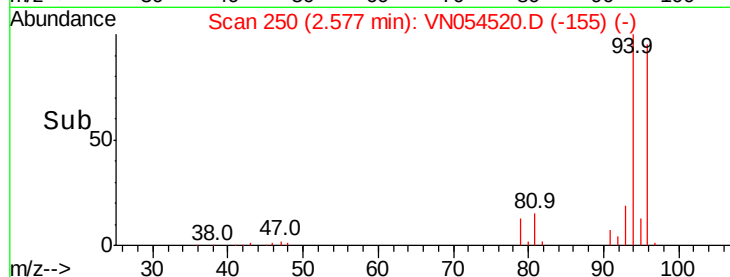
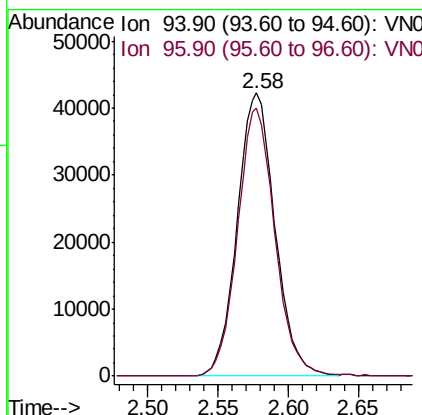
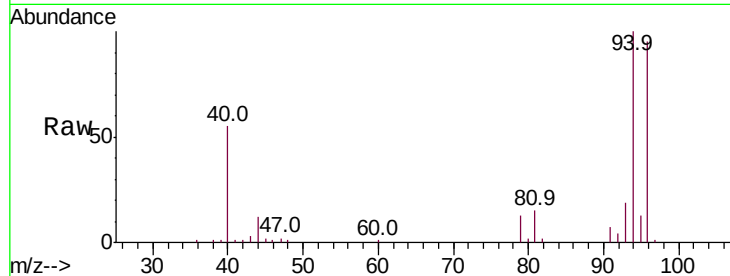




#5
Bromomethane
Concen: 19.457 ug/l
RT: 2.58 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

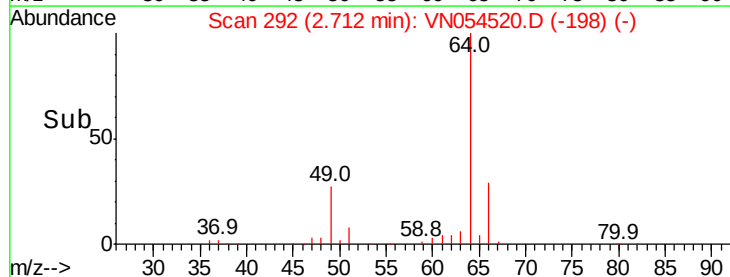
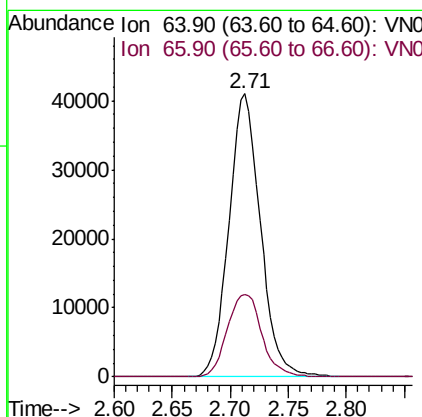
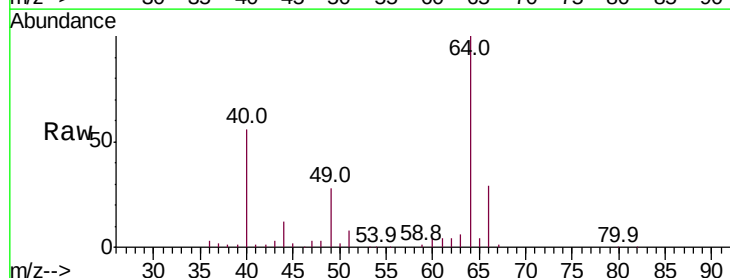
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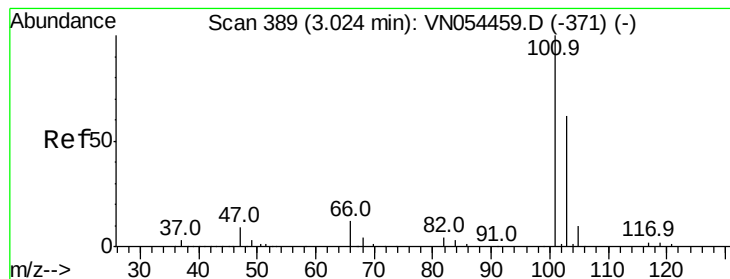
Tot Ion: 94 Resp: 79406
Ion Ratio Lower Upper
94 100
96 94.6 77.0 115.4



#6
Chloroethane
Concen: 20.368 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 64 Resp: 77107
Ion Ratio Lower Upper
64 100
66 29.0 25.7 38.5



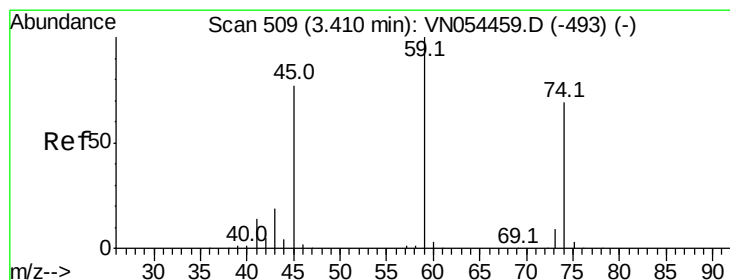
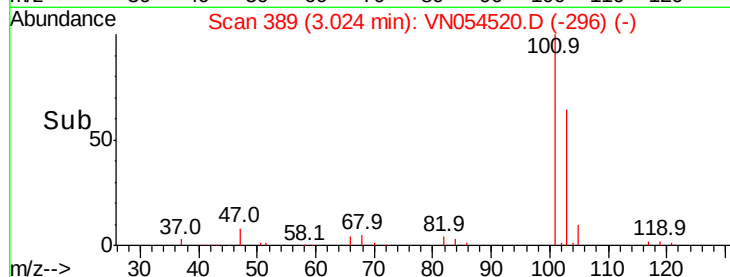
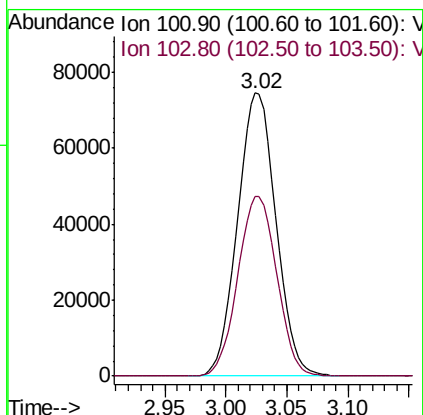
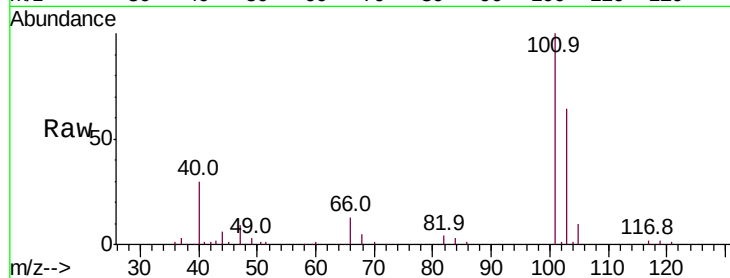


#7

Trichlorofluoromethane
 Concen: 21.143 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
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 ClientSampleId :
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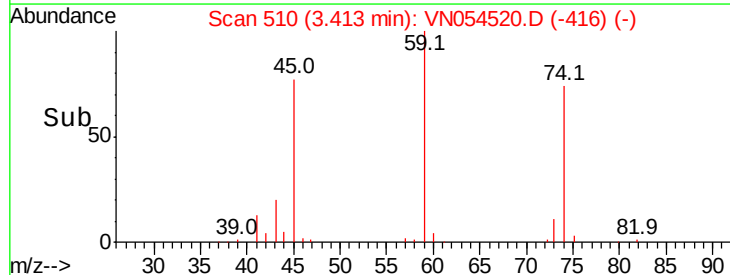
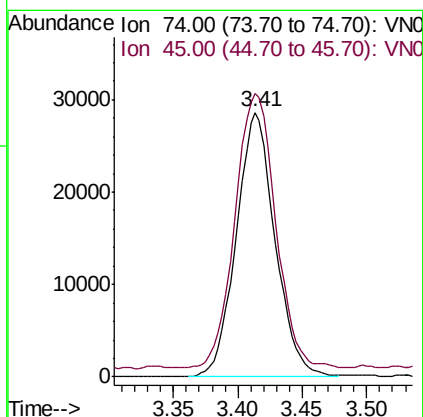
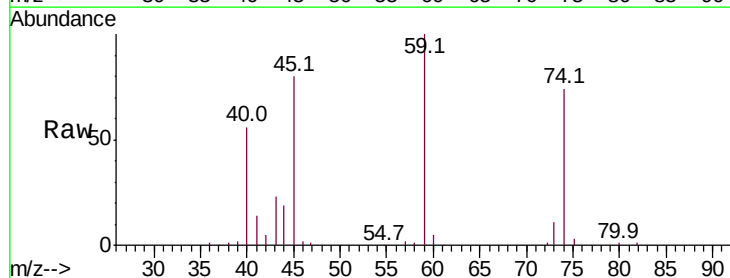
Tot Ion:101 Resp: 162060
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.4 77.2

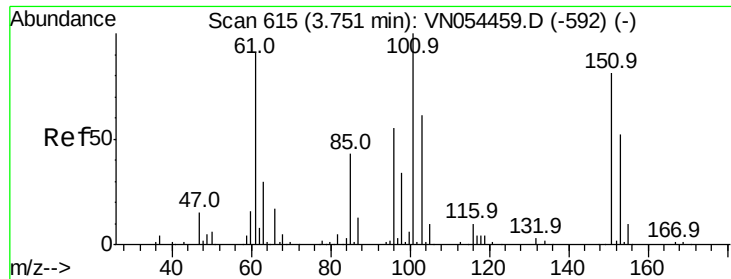


#8

Diethyl Ether
 Concen: 20.279 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054520.D
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Tgt Ion: 74 Resp: 59778
 Ion Ratio Lower Upper
 74 100
 45 108.5 43.1 129.4

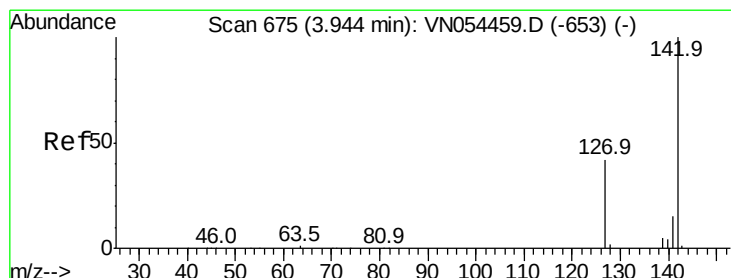
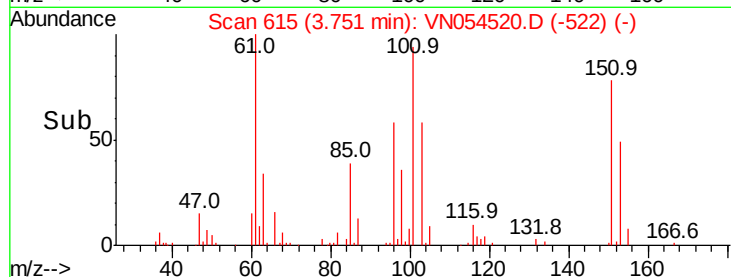
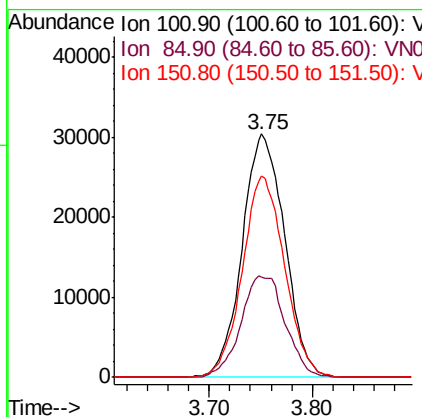
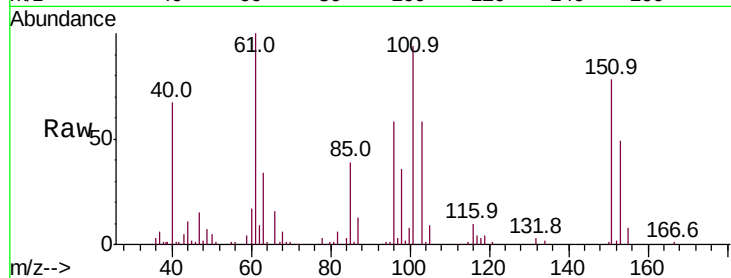




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.295 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

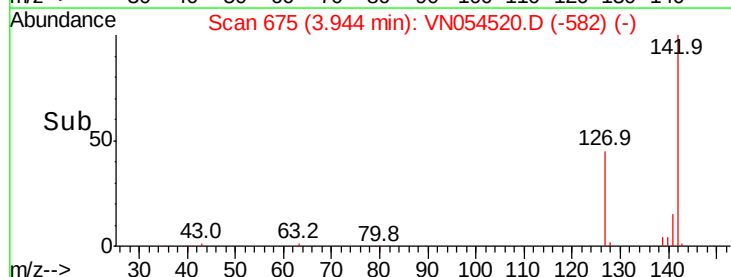
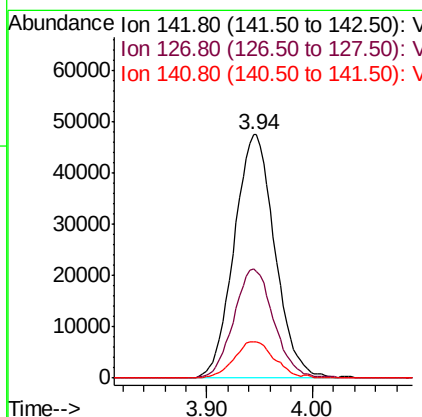
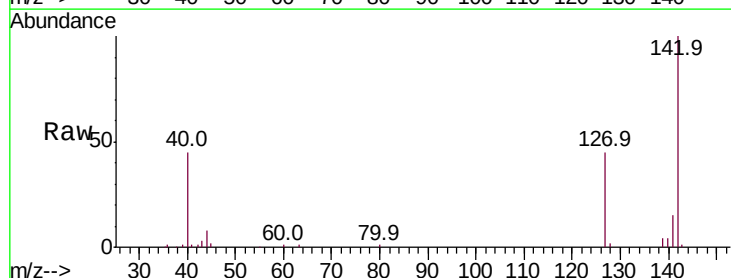
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

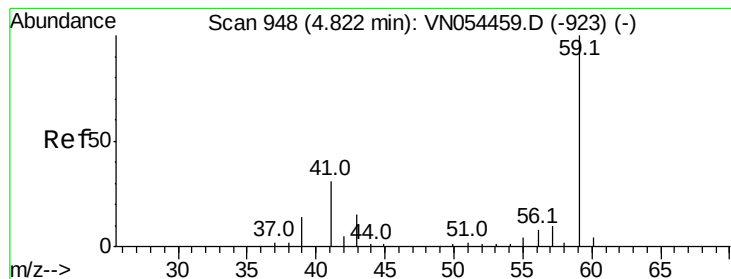
Tot Ion:101 Resp: 86916
 Ion Ratio Lower Upper
 101 100
 85 43.4 32.4 48.6
 151 82.4 68.2 102.2



#10
 Methyl Iodide
 Concen: 19.187 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion:142 Resp: 127142
 Ion Ratio Lower Upper
 142 100
 127 44.3 30.3 45.5
 141 15.1 11.2 16.8





#11

Tert butyl alcohol

Concen: 114.054 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

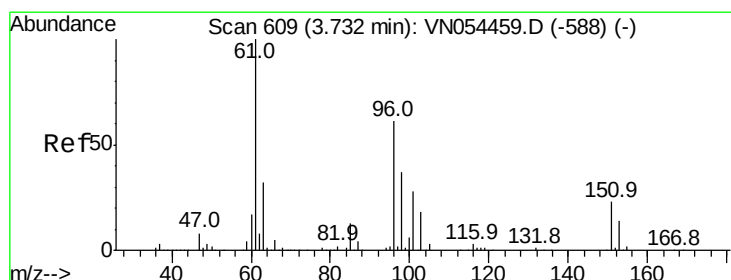
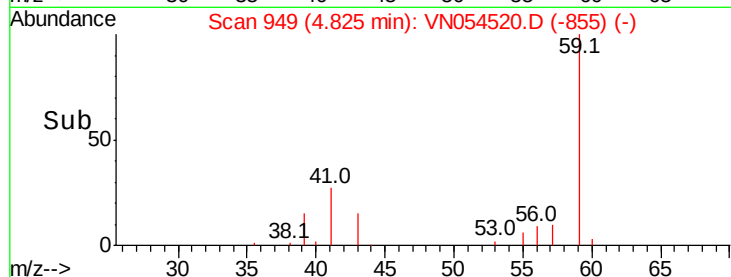
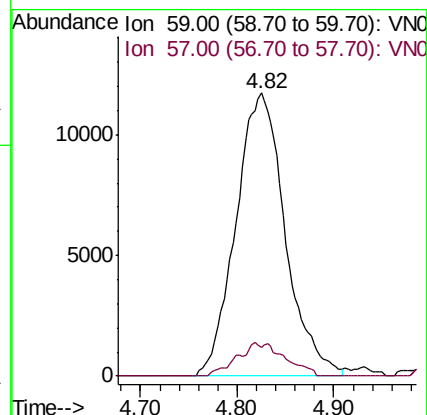
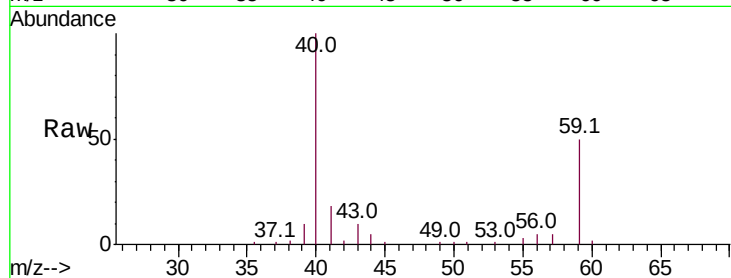
VN0321WBSD01

Tot Ion: 59 Resp: 41511

Ion Ratio Lower Upper

59 100

57 5.9 9.0 13.6#



#12

1,1-Dichloroethene

Concen: 19.521 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

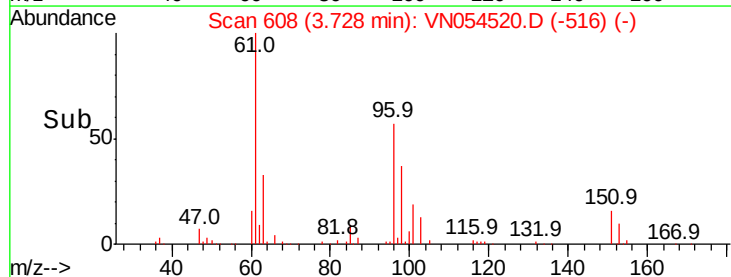
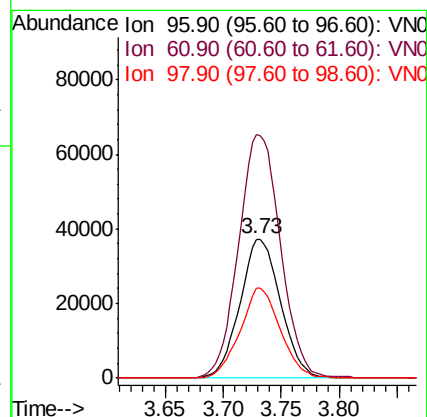
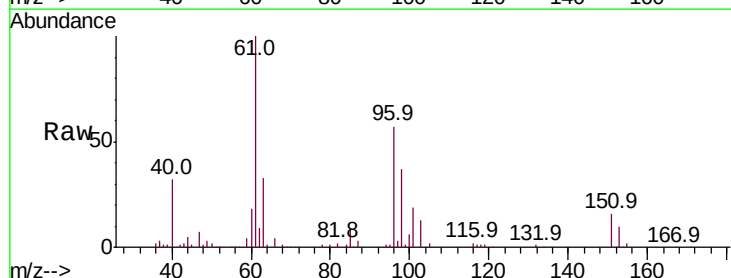
Tgt Ion: 96 Resp: 91001

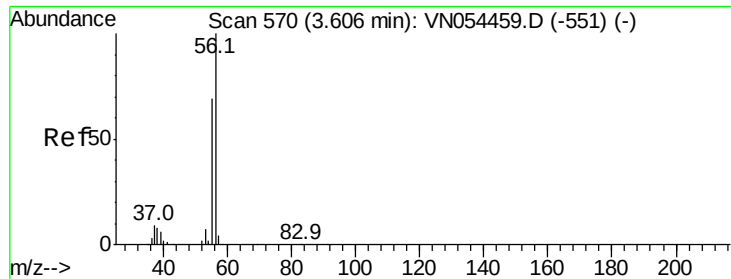
Ion Ratio Lower Upper

96 100

61 174.9 116.5 174.7#

98 64.7 51.0 76.4





#13

Acrolein

Concen: 94.078 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

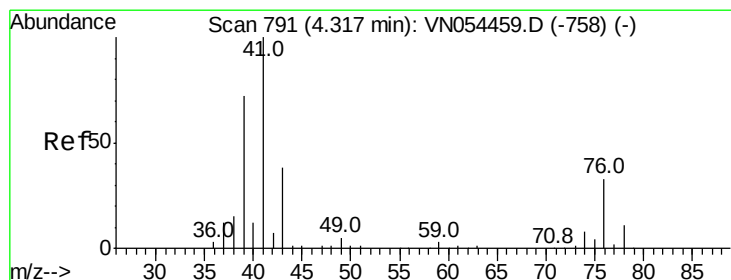
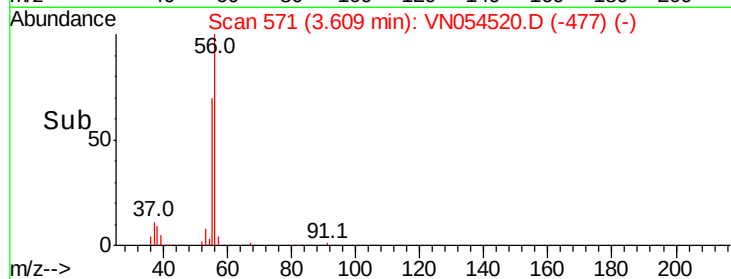
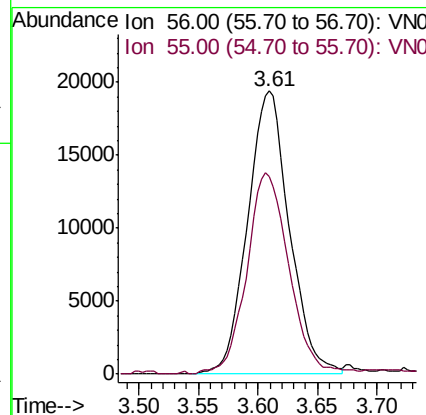
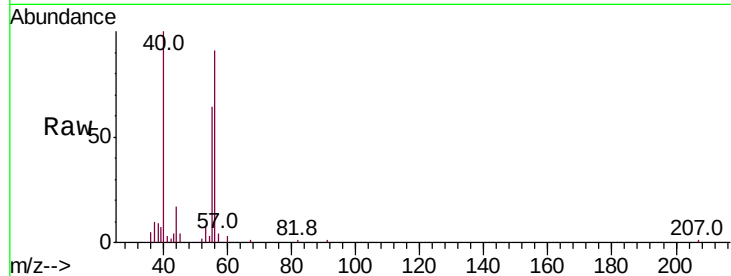
VN0321WBSD01

Tot Ion: 56 Resp: 47252

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 21.454 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

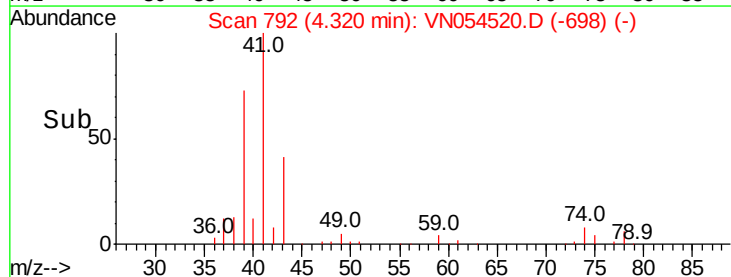
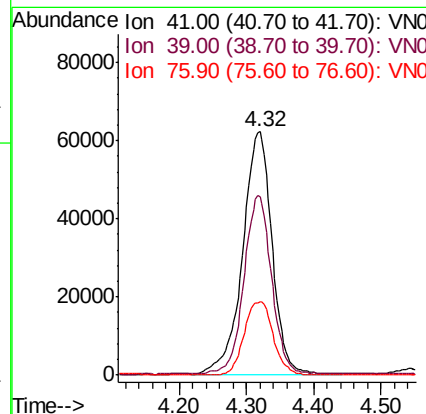
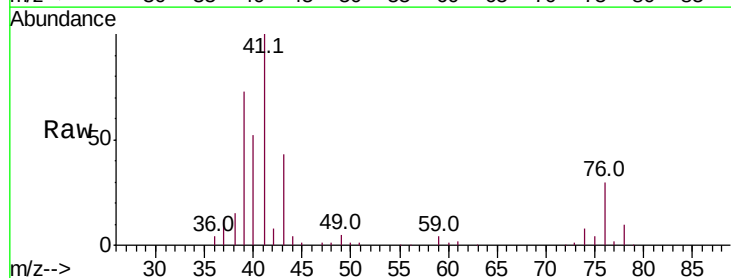
Tgt Ion: 41 Resp: 188331

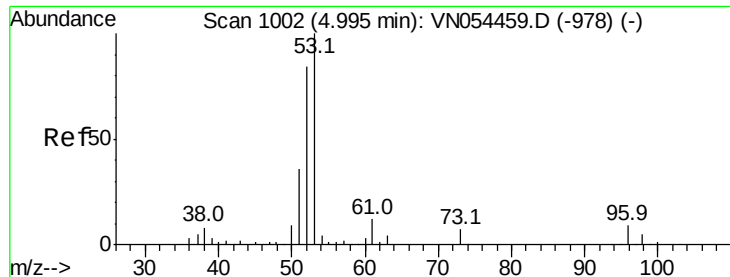
Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

76 29.8 31.7 47.5#





#15

Acrylonitrile

Concen: 115.128 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

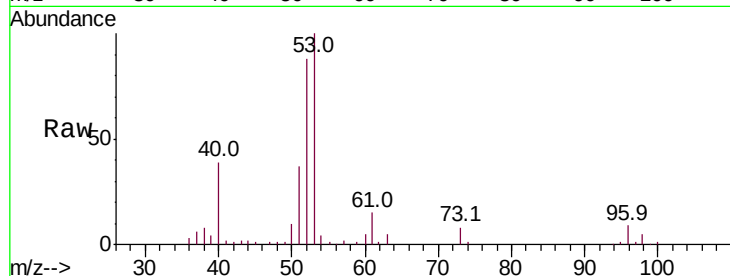
Tot Ion: 53 Resp: 208667

Ion Ratio Lower Upper

53 100

52 83.5 66.4 99.6

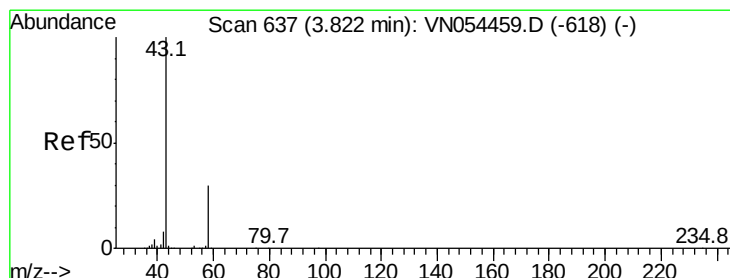
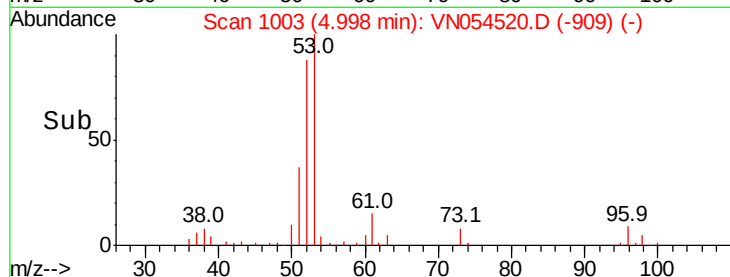
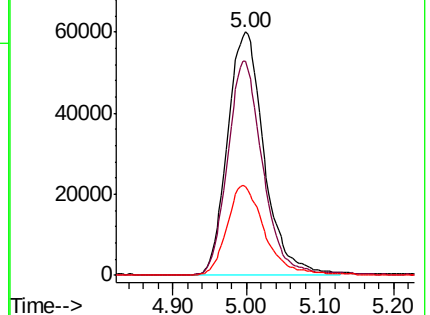
51 37.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.109 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054520.D

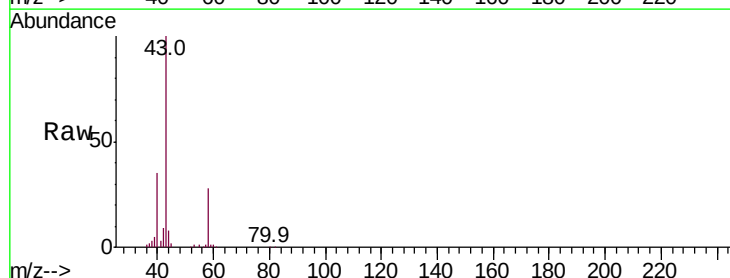
Acq: 21 Mar 2019 19:22

Tgt Ion: 43 Resp: 153827

Ion Ratio Lower Upper

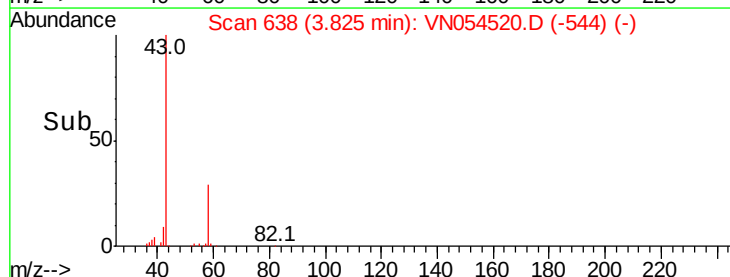
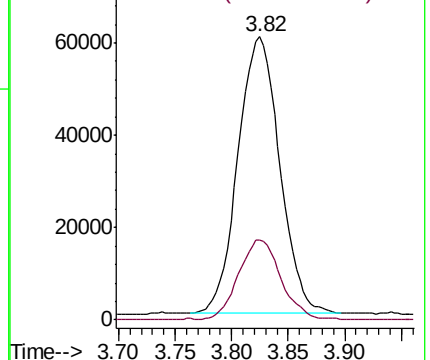
43 100

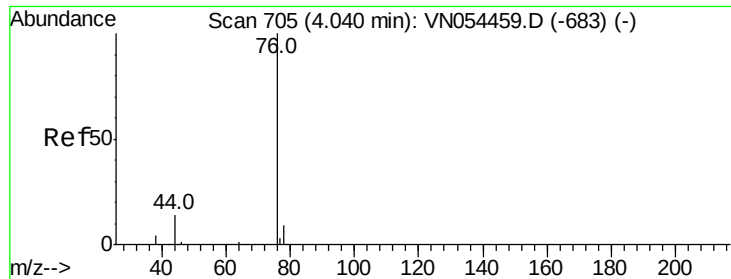
58 28.4 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.288 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

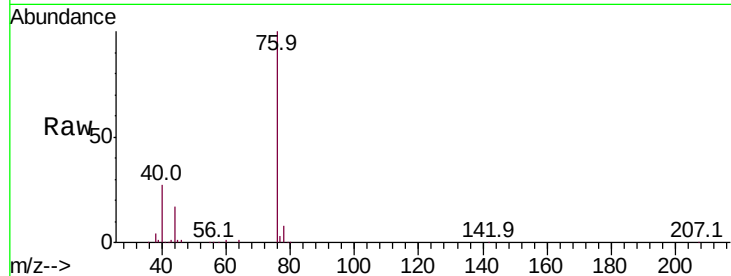
VN0321WBSD01

Tot Ion: 76 Resp: 240923

Ion Ratio Lower Upper

76 100

78 8.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

100000

80000

60000

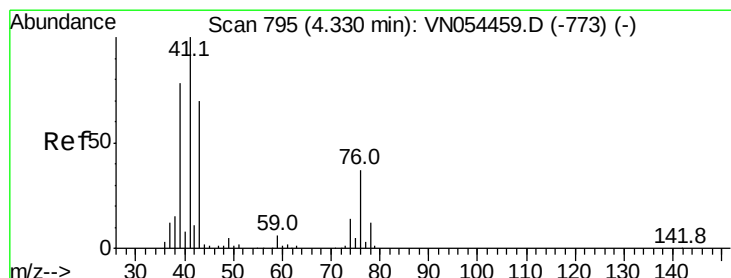
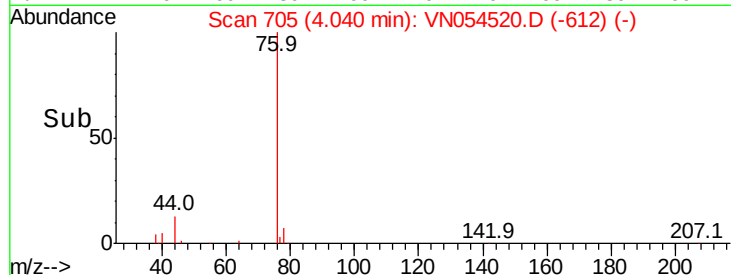
40000

20000

0

Time-->

4.00 4.10



#18

Methyl Acetate

Concen: 23.307 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054520.D

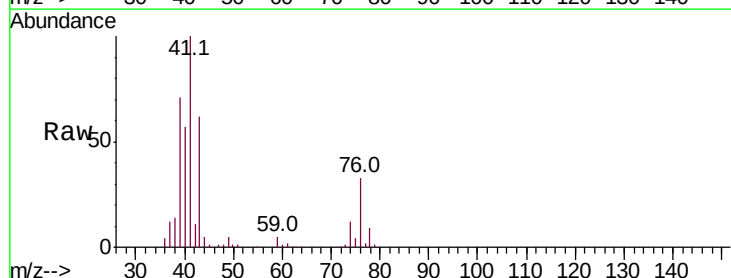
Acq: 21 Mar 2019 19:22

Tgt Ion: 43 Resp: 93892

Ion Ratio Lower Upper

43 100

74 21.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

30000

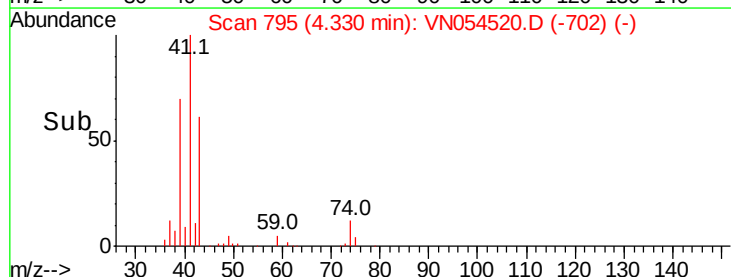
20000

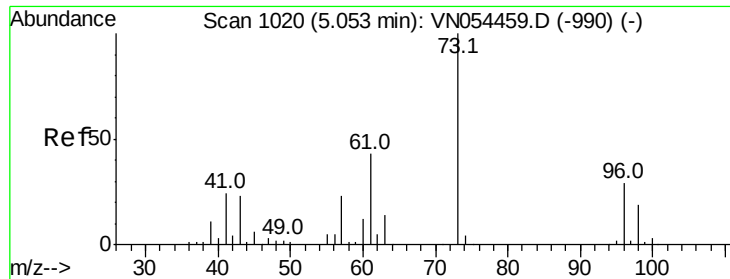
10000

0

Time-->

4.20 4.30 4.40

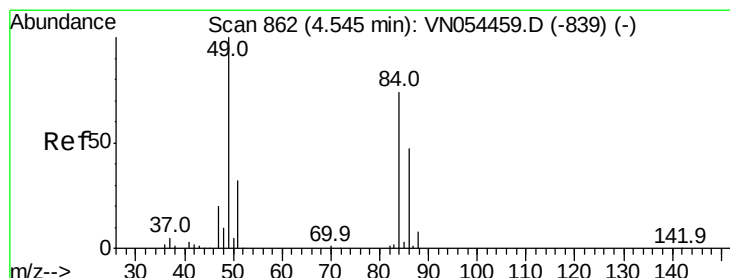
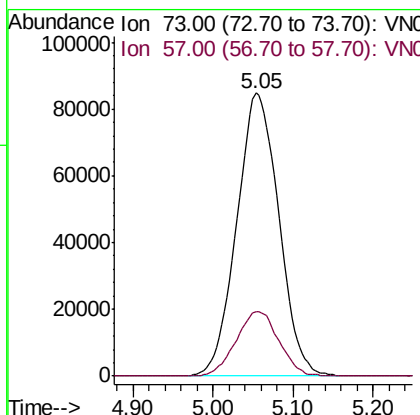
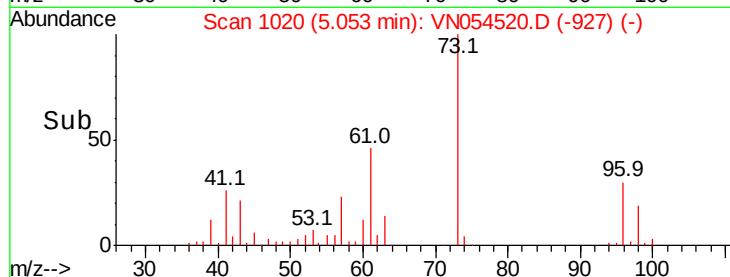
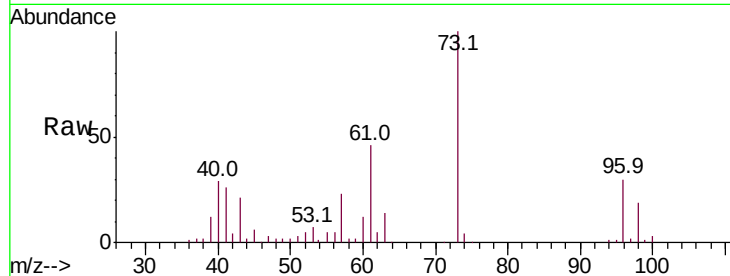




#19
Methvl tert-butvl Ether
Concen: 22.277 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

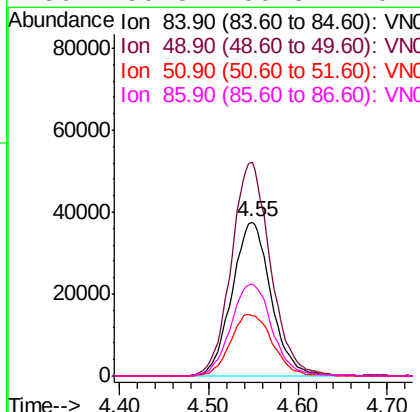
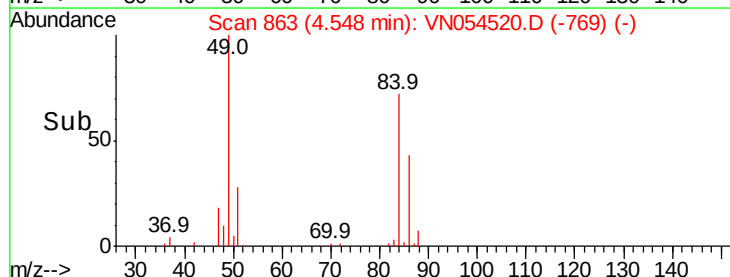
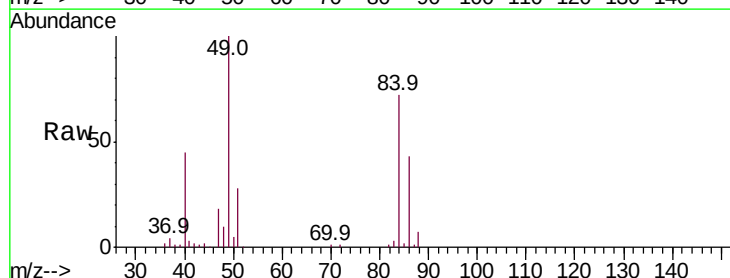
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

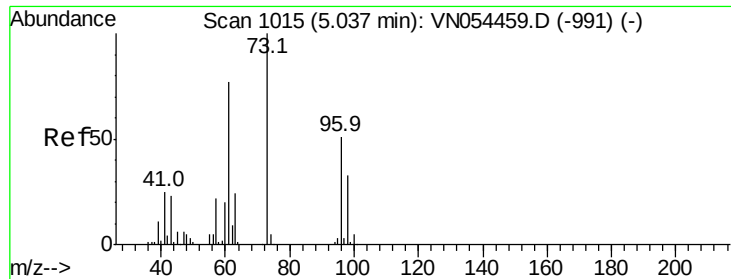
Tot Ion: 73 Resp: 303073
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2



#20
Methylene Chloride
Concen: 21.444 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 84 Resp: 114252
Ion Ratio Lower Upper
84 100
49 138.7 89.7 134.5#
51 39.5 28.2 42.4
86 59.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.748 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

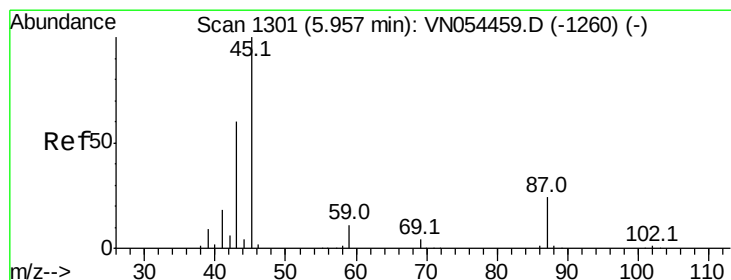
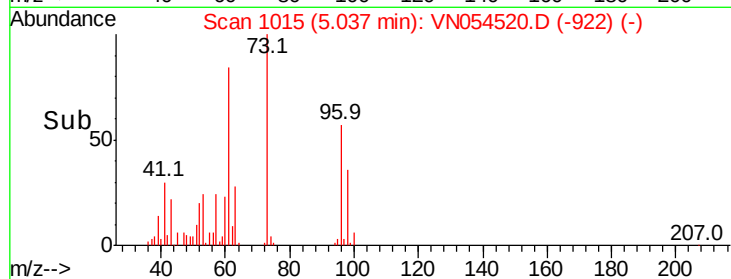
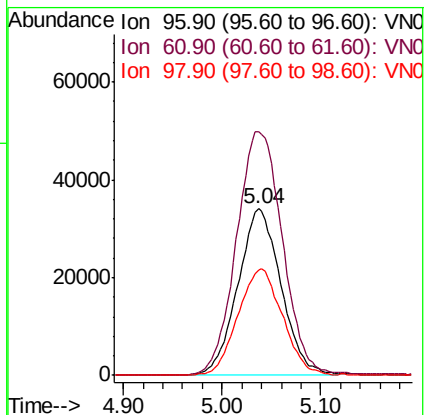
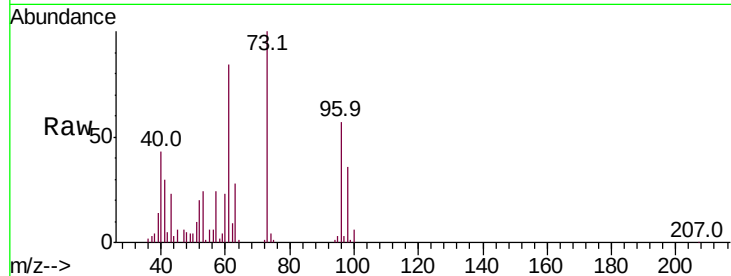
Tot Ion: 96 Resp: 103524

Ion Ratio Lower Upper

96 100

61 146.5 102.8 154.2

98 63.5 50.0 75.0



#22

Diisopropyl ether

Concen: 22.928 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion: 45 Resp: 396994

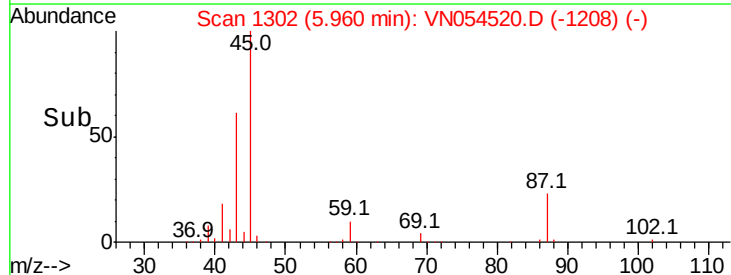
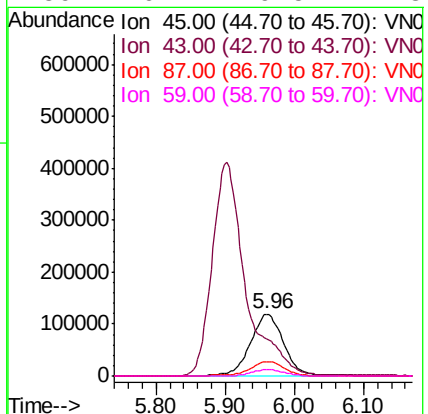
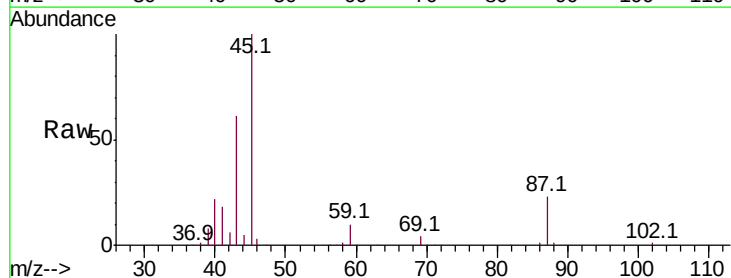
Ion Ratio Lower Upper

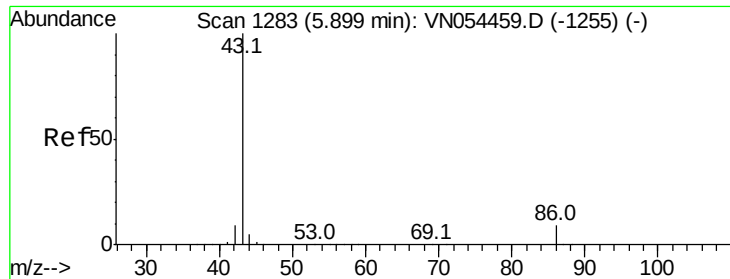
45 100

43 58.5 48.2 72.2

87 23.2 24.9 37.3#

59 10.2 9.5 14.3

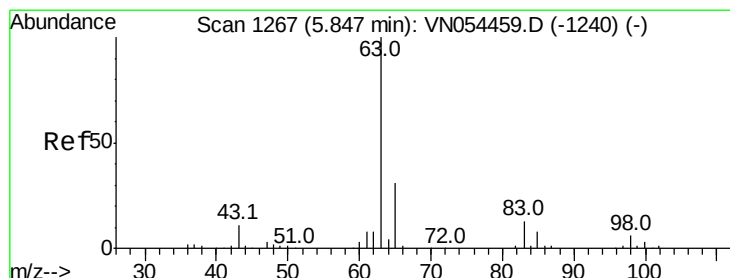
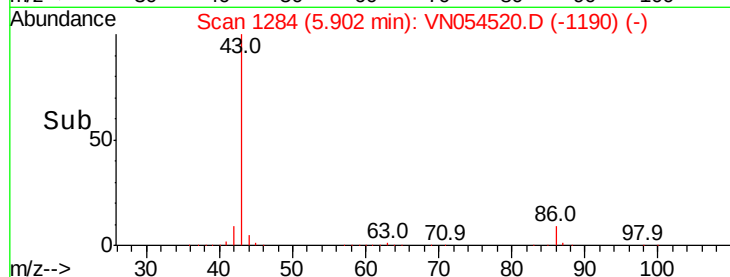
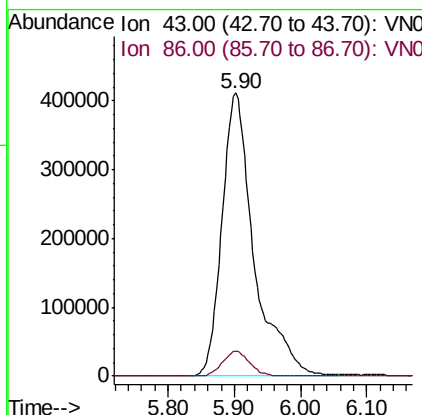
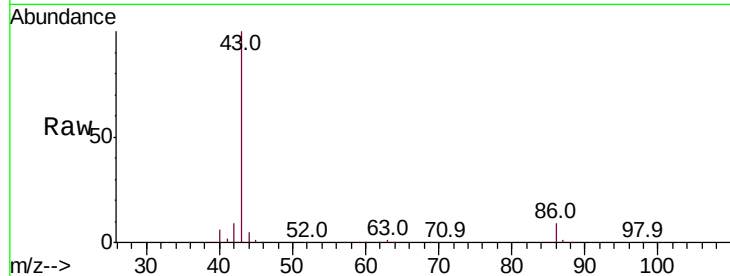




#23
 Vinyl Acetate
 Concen: 112.976 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

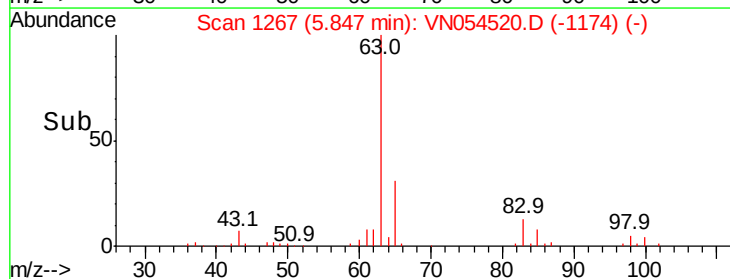
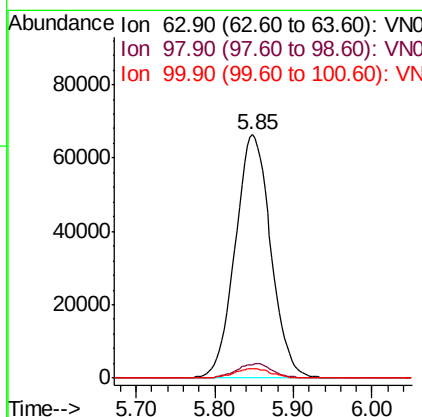
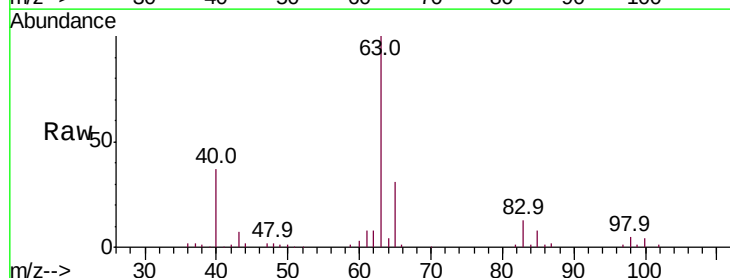
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

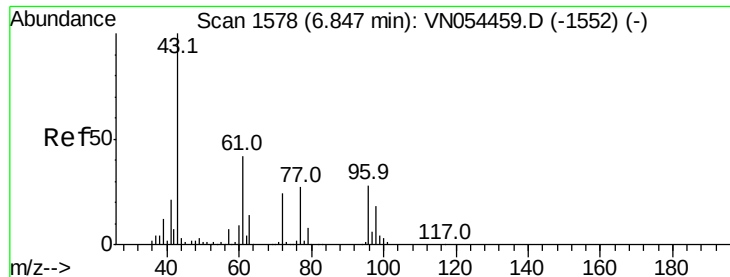
Tot Ion: 43 Resp: 1381591
 Ion Ratio Lower Upper
 43 100
 86 8.9 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 22.532 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 63 Resp: 210069
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 110.373 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

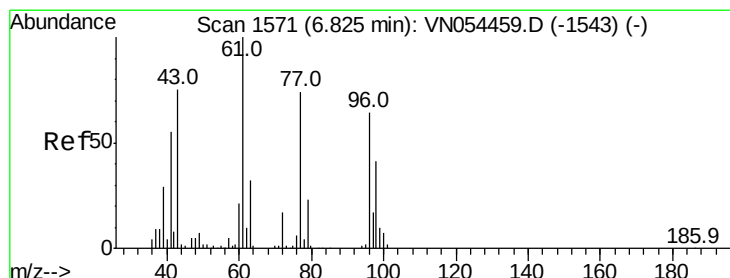
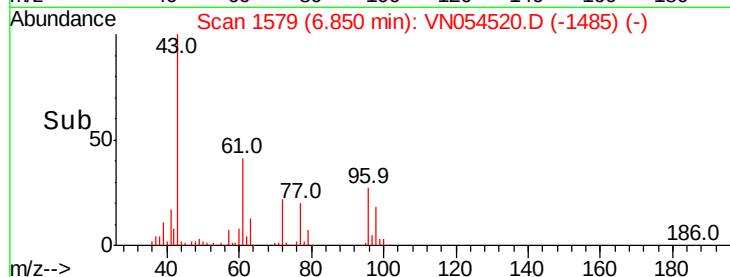
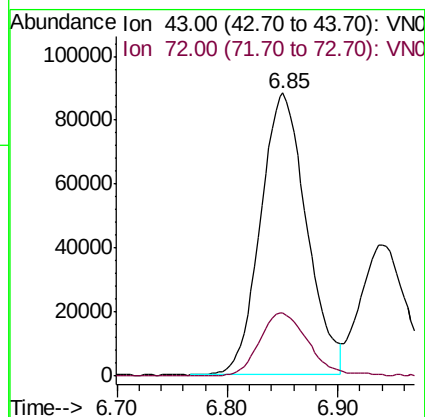
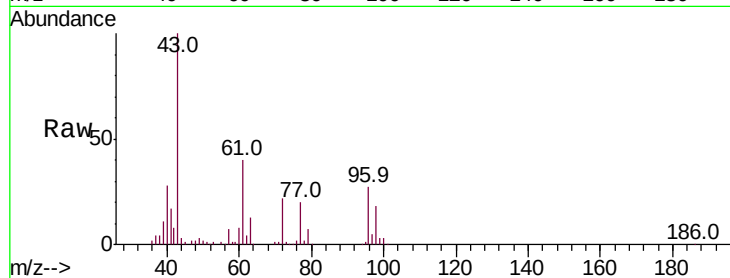
VN0321WBSD01

Tot Ion: 43 Resp: 255544

Ion Ratio Lower Upper

43 100

72 22.3 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 18.359 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054520.D

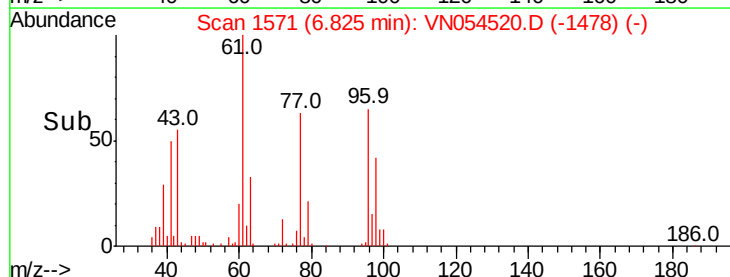
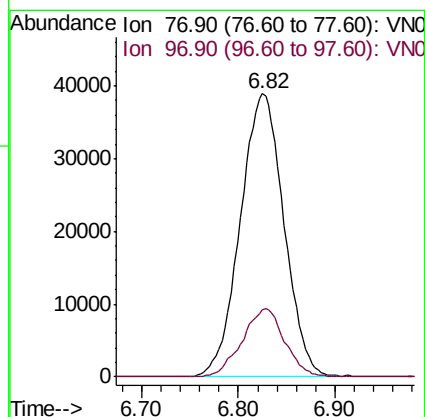
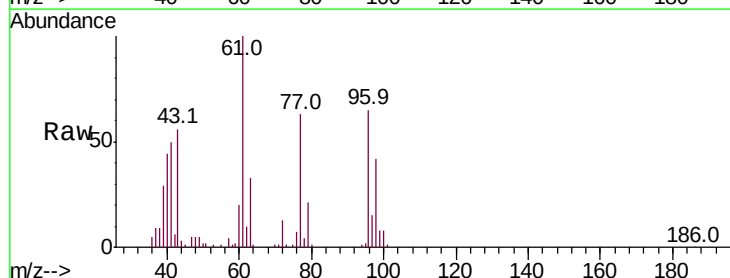
Acq: 21 Mar 2019 19:22

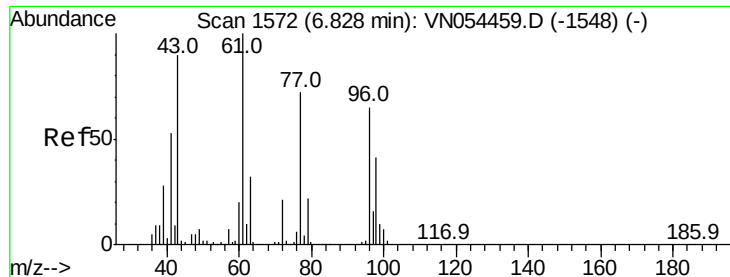
Tgt Ion: 77 Resp: 122014

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.649 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

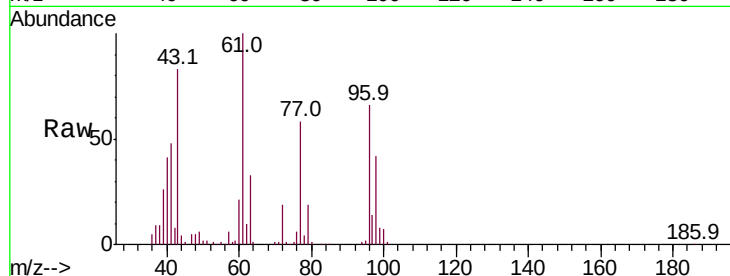
Tot Ion: 96 Resp: 122918

Ion Ratio Lower Upper

96 100

61 152.7 0.0 273.0

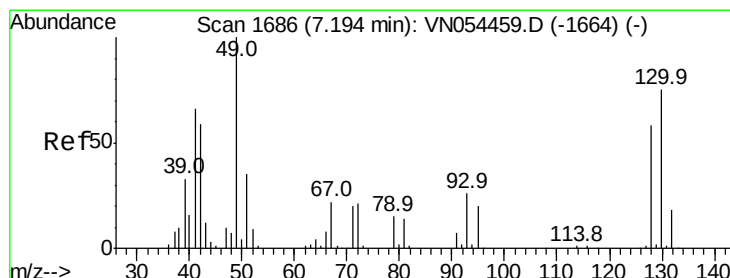
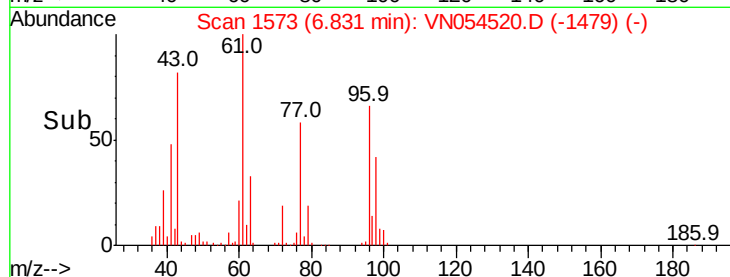
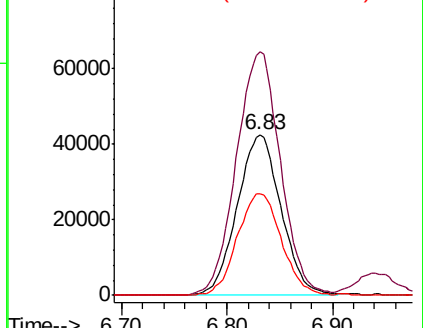
98 63.8 0.0 130.6



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: 21.734 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

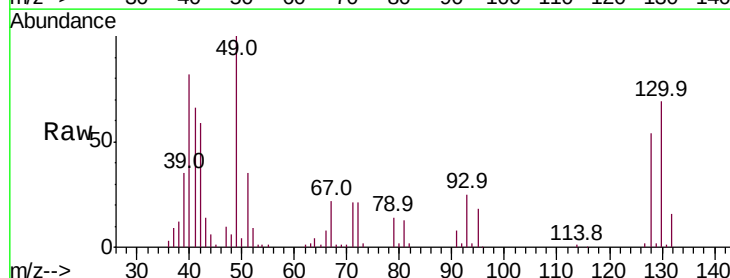
Tgt Ion: 49 Resp: 99738

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.6

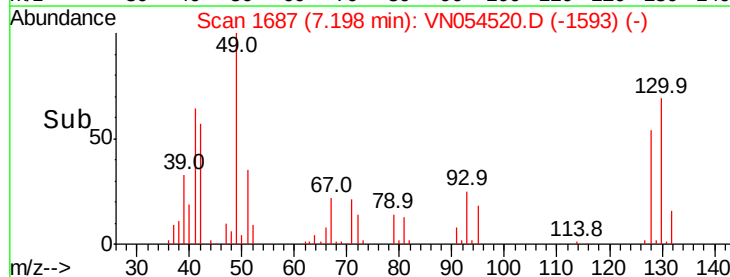
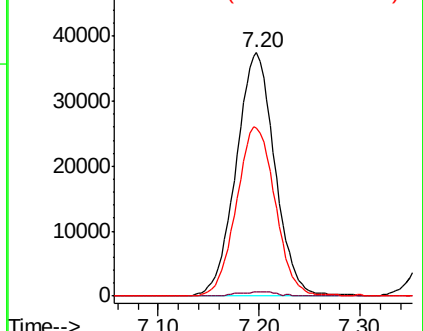
130 69.6 76.7 115.1#

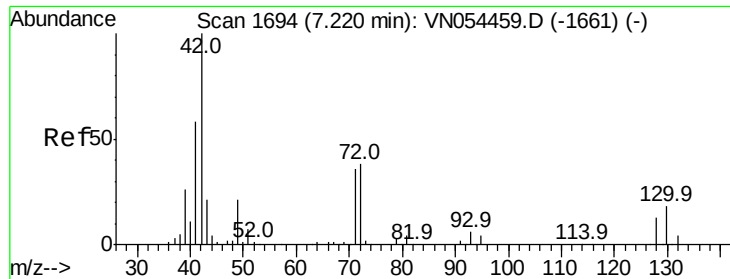


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 117.809 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

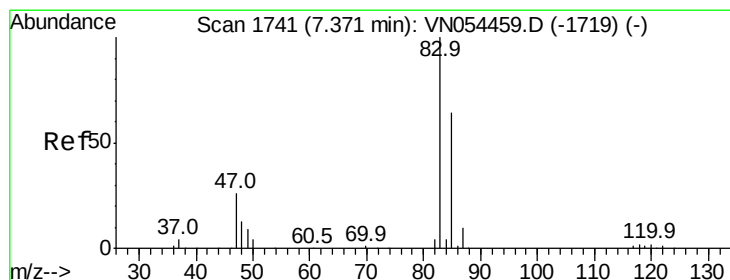
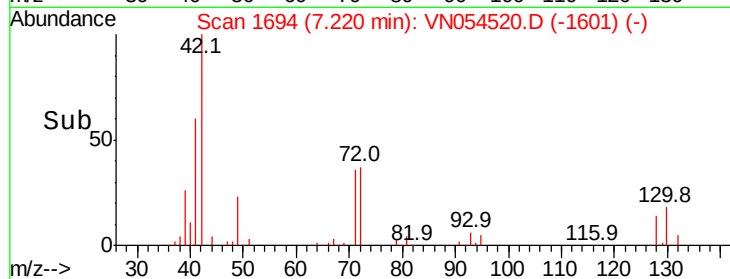
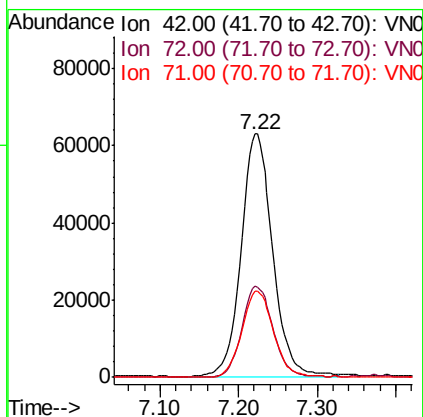
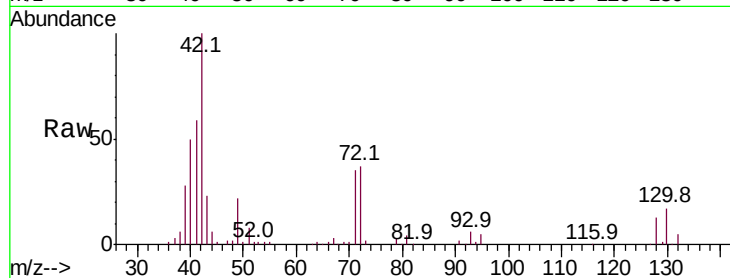
Tot Ion: 42 Resp: 177004

Ion Ratio Lower Upper

42 100

72 37.2 37.8 56.6#

71 35.8 36.2 54.2#



#30

Chloroform

Concen: 22.306 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054520.D

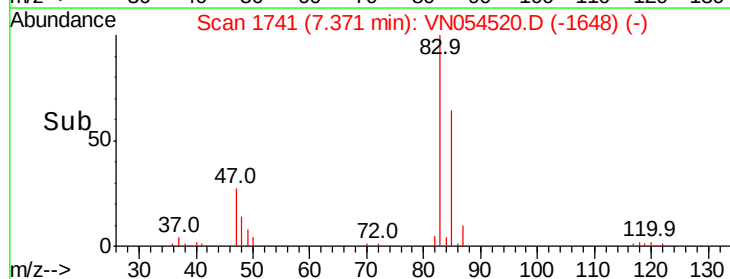
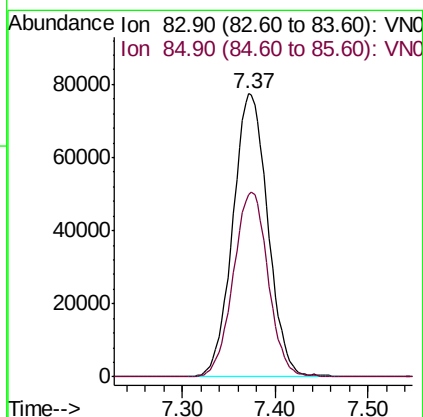
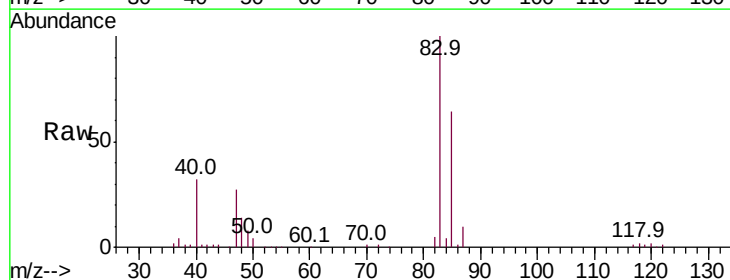
Acq: 21 Mar 2019 19:22

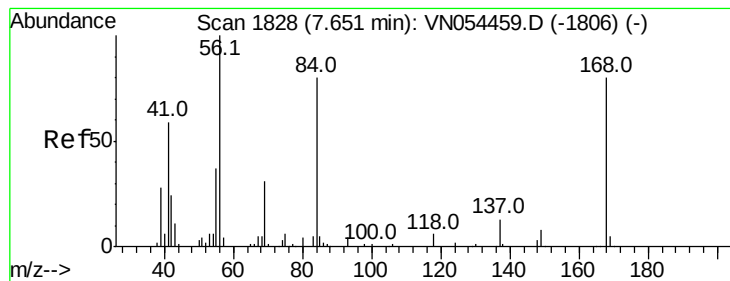
Tgt Ion: 83 Resp: 202951

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4





#31

Cyclohexane

Concen: 21.651 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

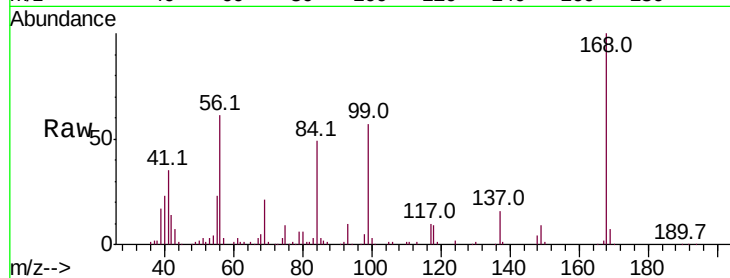
Tot Ion: 56 Resp: 202822

Ion Ratio Lower Upper

56 100

69 33.6 27.8 41.6

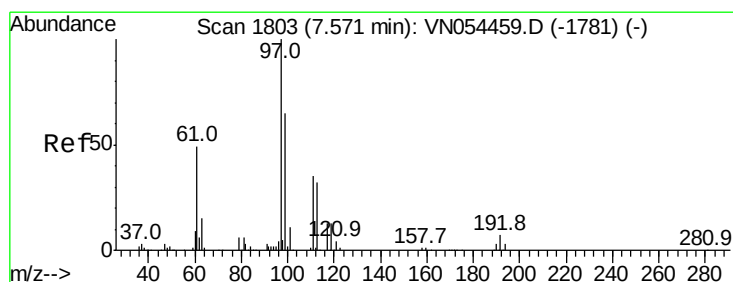
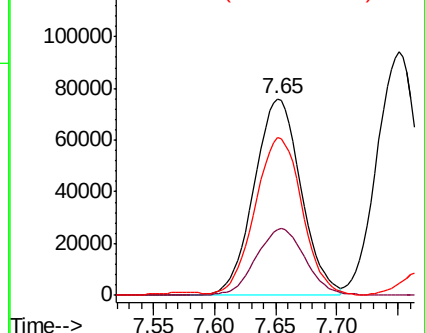
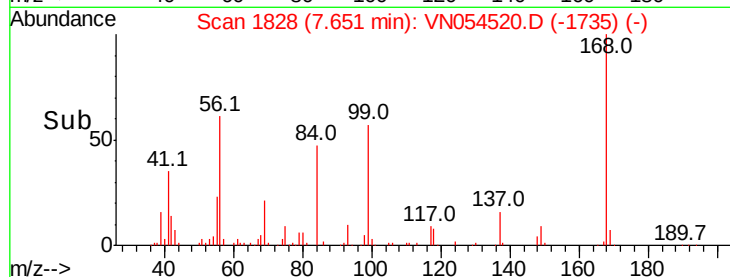
84 78.6 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.235 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

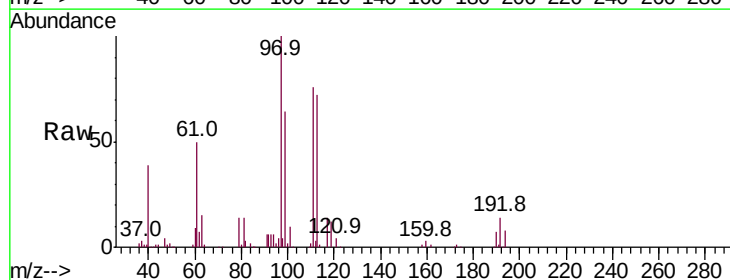
Tgt Ion: 97 Resp: 166899

Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

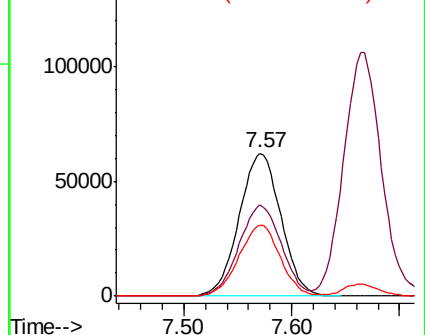
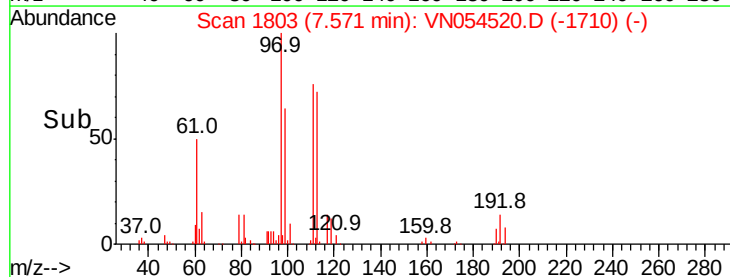
61 49.4 33.6 50.4

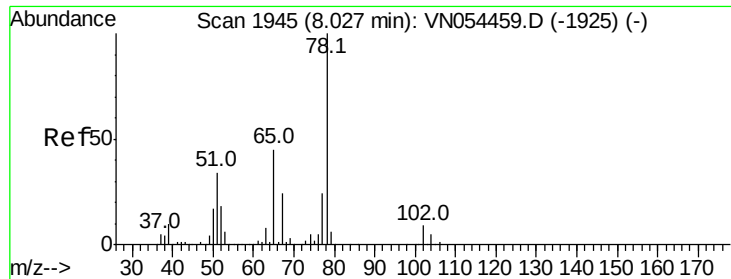


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

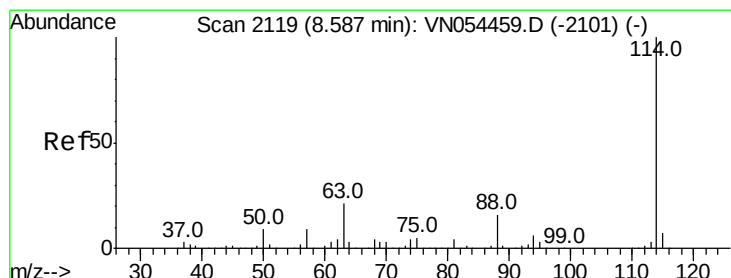
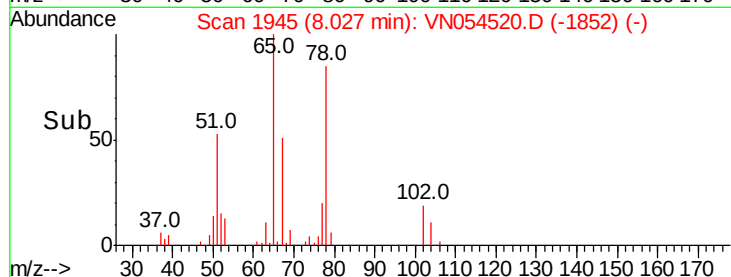
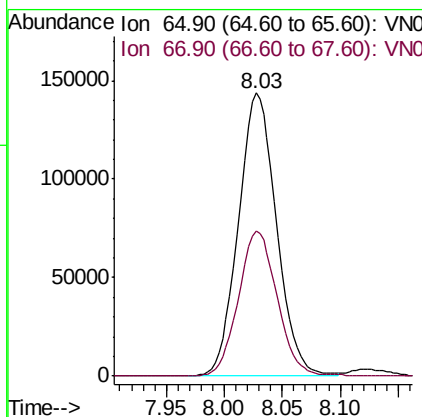
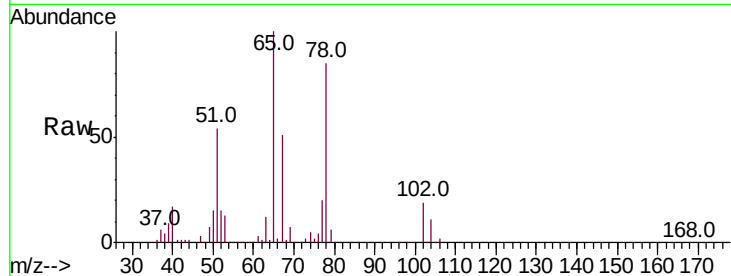




#33
 1,2-Dichloroethane-d4
 Concen: 54.734 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

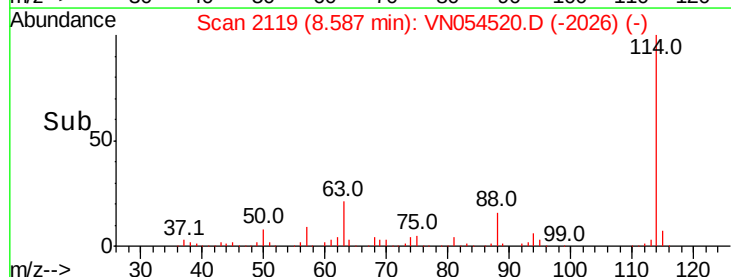
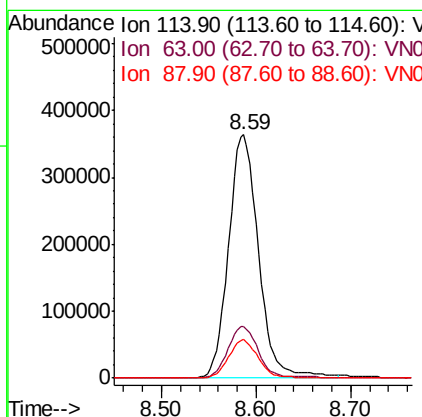
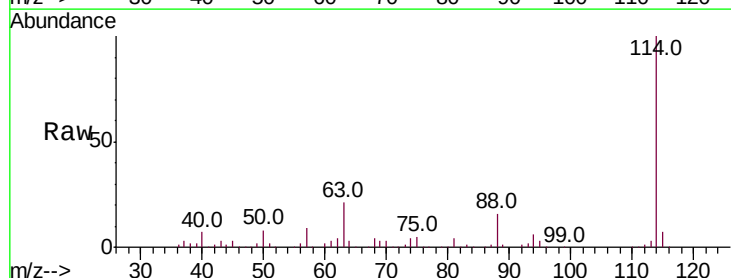
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

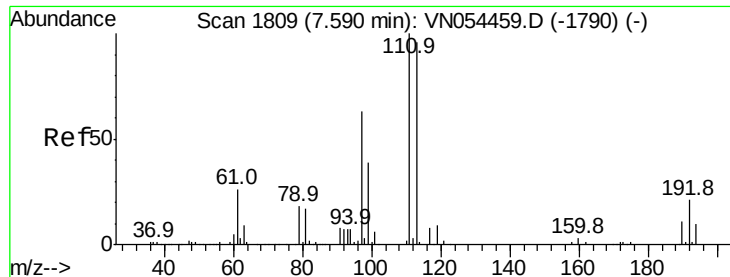
Tot Ion: 65 Resp: 329042
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 114 Resp: 803396
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 35.2
 88 15.7 0.0 30.2

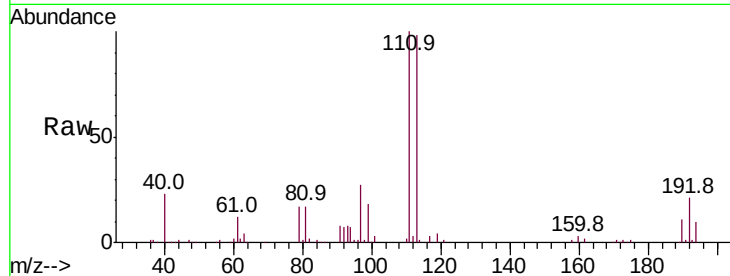




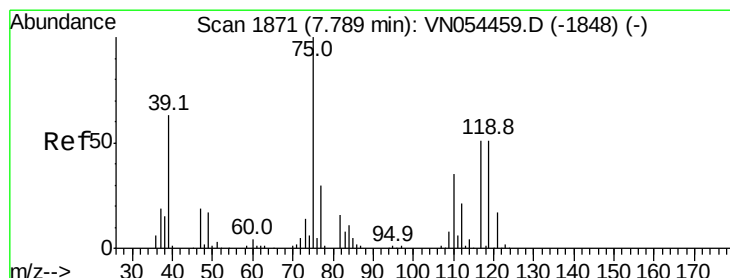
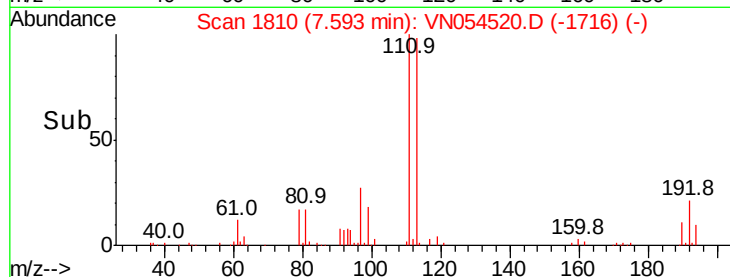
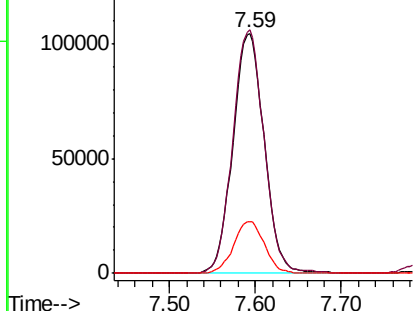
#35
 Dibromofluoromethane
 Concen: 50.991 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	21.3	19.2	28.8

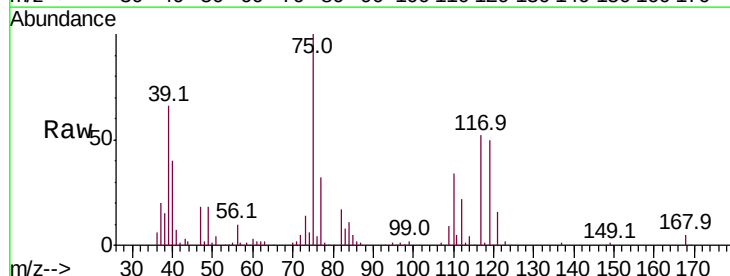


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

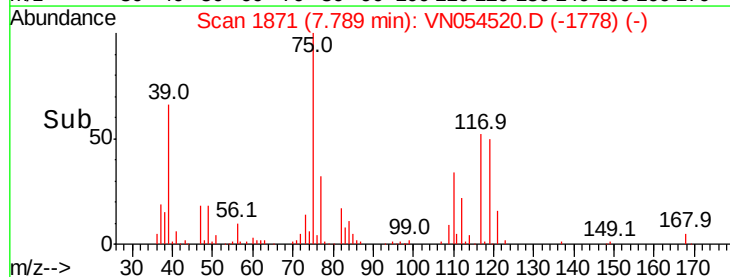
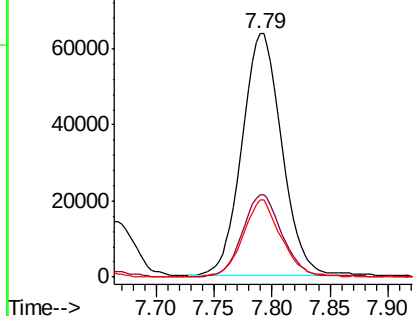


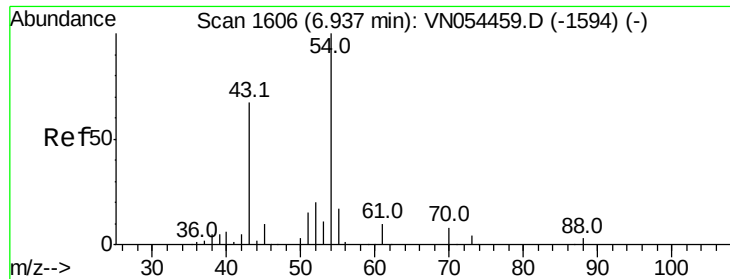
#36
 1,1-Dichloropropene
 Concen: 20.235 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.1	57.5
77	30.9	25.0	37.4



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

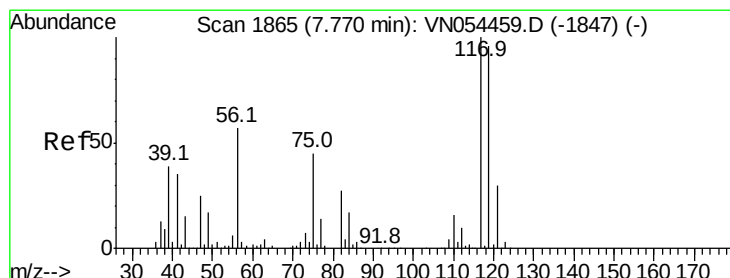
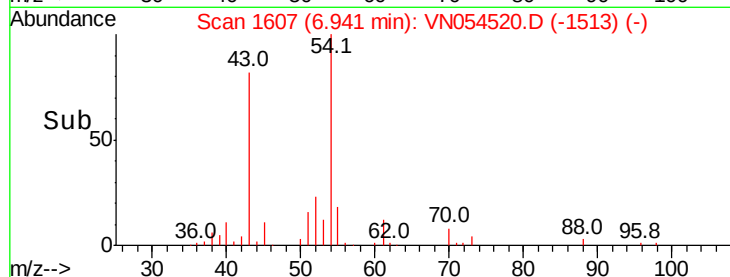
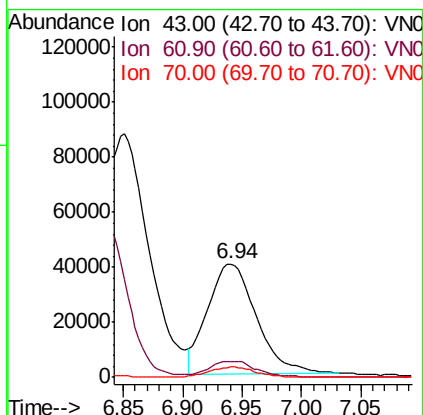
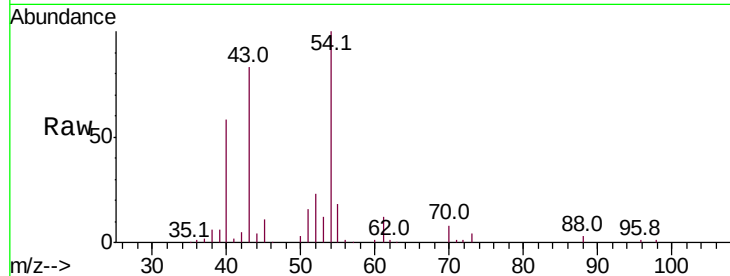




#37
Ethyl Acetate
Concen: 21.404 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

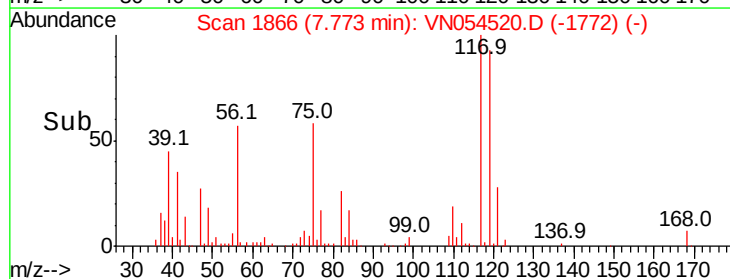
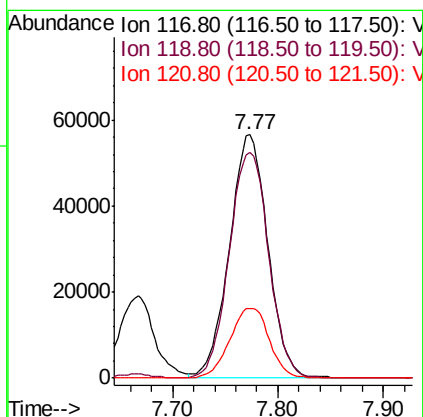
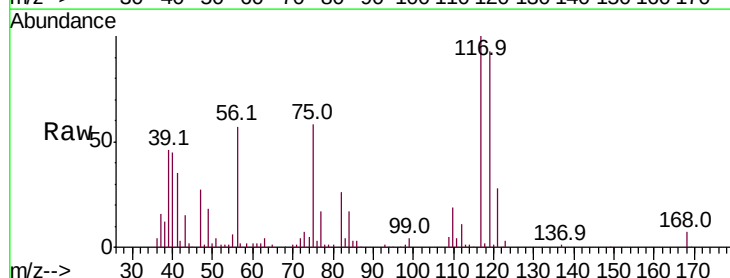
Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

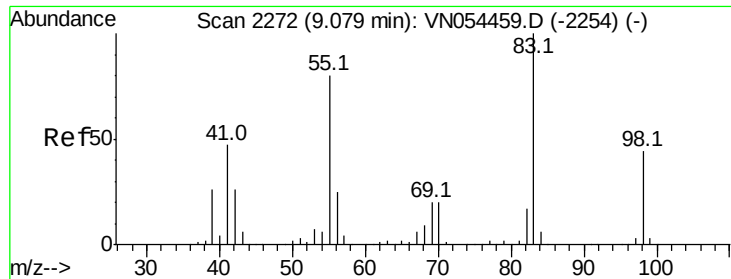
Tot Ion: 43 Resp: 114357
Ion Ratio Lower Upper
43 100
61 13.6 11.8 17.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.476 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 117 Resp: 142173
Ion Ratio Lower Upper
117 100
119 93.1 76.3 114.5
121 28.6 24.6 36.8

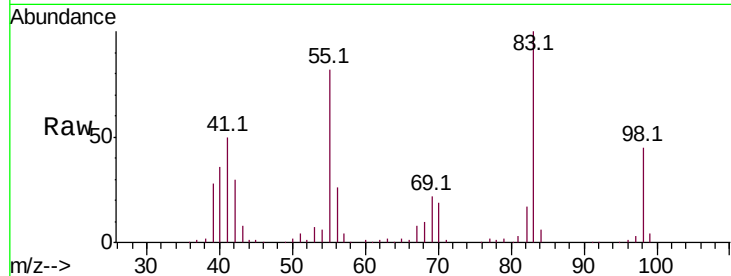




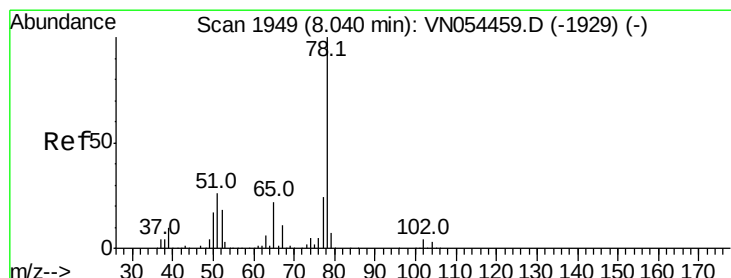
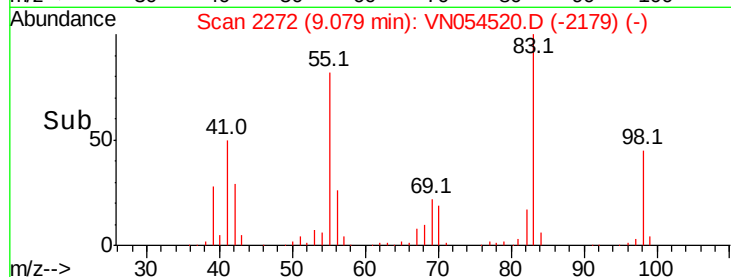
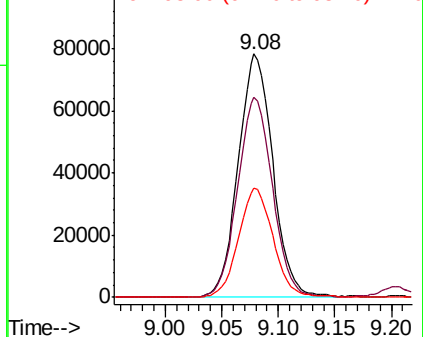
#39
Methylvlcyclohexane
Concen: 19.418 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

Tot Ion: 83 Resp: 166854
Ion Ratio Lower Upper
83 100
55 82.4 56.6 84.8
98 45.1 38.4 57.6

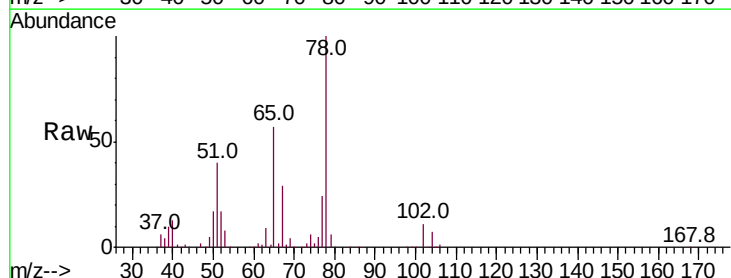


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

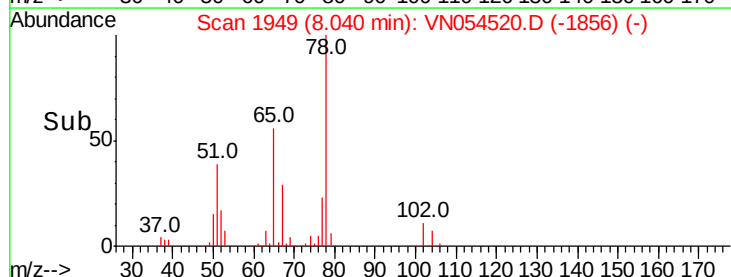
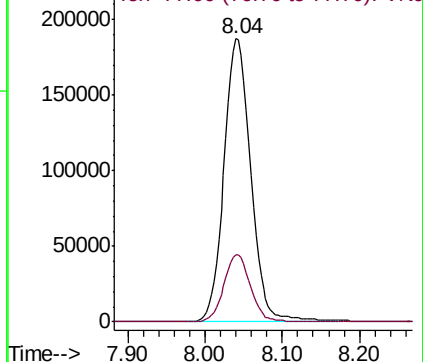


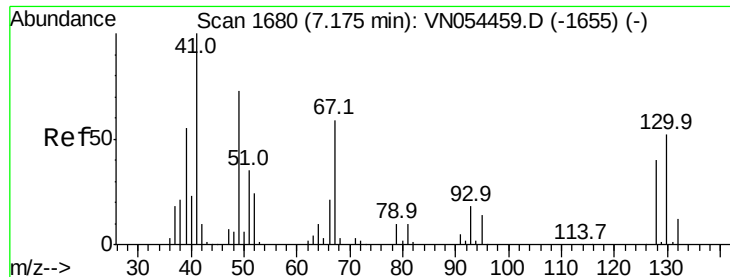
#40
Benzene
Concen: 20.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 78 Resp: 450271
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



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





#41

Methacrylonitrile

Concen: 20.406 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 41 Resp: 66488

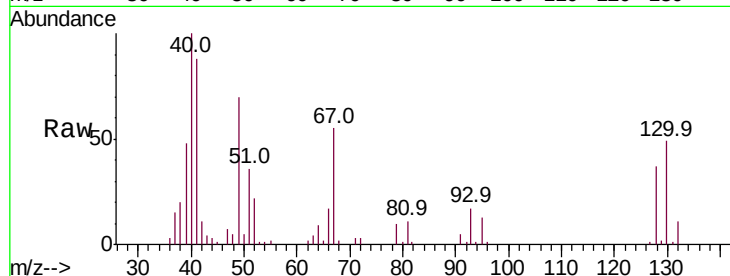
Ion Ratio Lower Upper

41 100

39 64.2 46.8 70.2

67 70.9 67.0 100.4

52 28.9 26.5 39.7

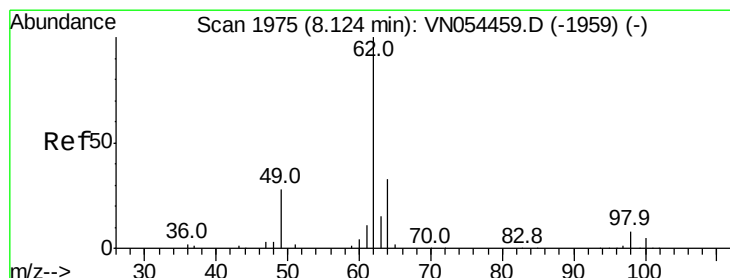
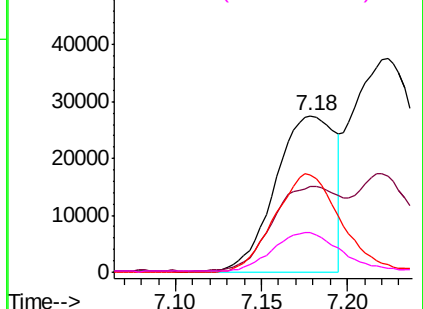
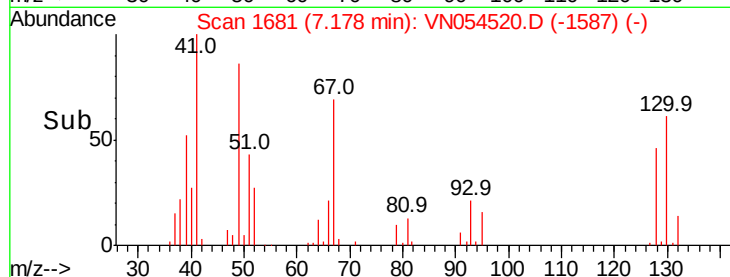


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.832 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054520.D

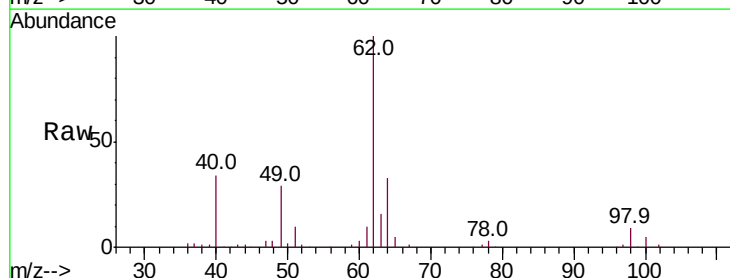
Acq: 21 Mar 2019 19:22

Tgt Ion: 62 Resp: 162962

Ion Ratio Lower Upper

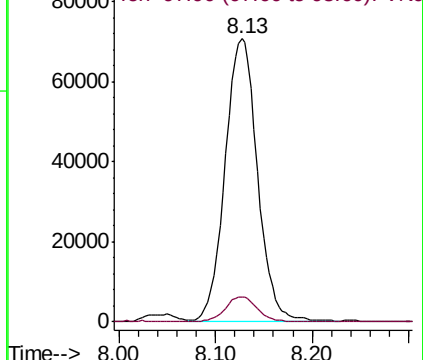
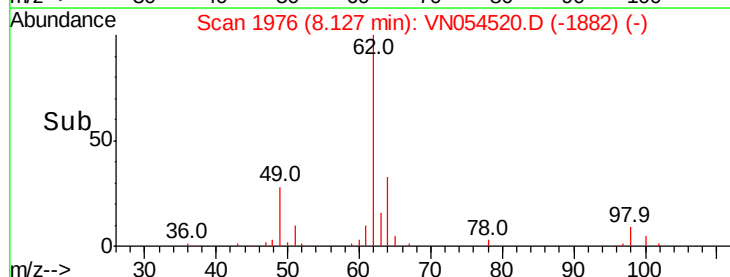
62 100

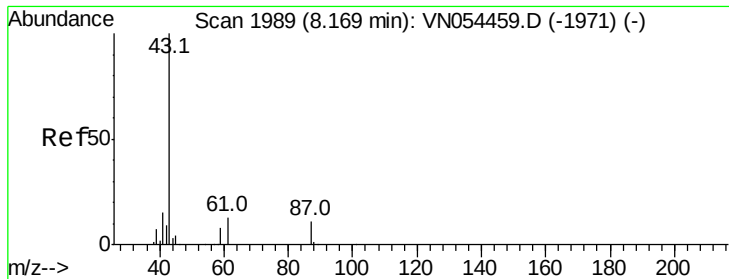
98 8.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.243 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

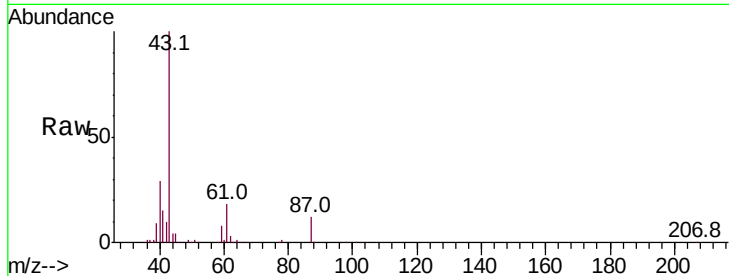
Tot Ion: 43 Resp: 191675

Ion Ratio Lower Upper

43 100

61 17.2 15.8 23.8

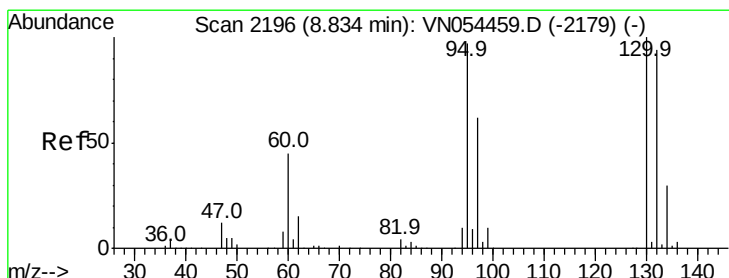
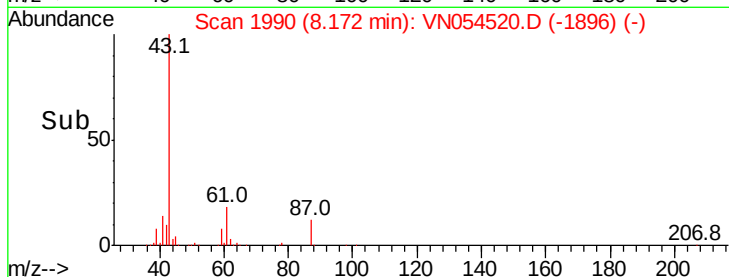
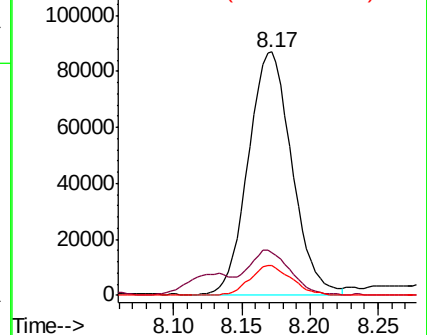
87 12.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 20.014 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054520.D

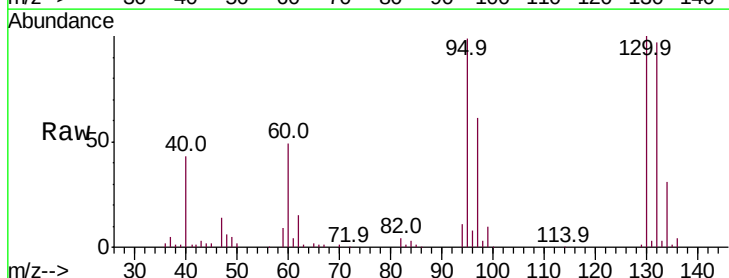
Acq: 21 Mar 2019 19:22

Tgt Ion:130 Resp: 119521

Ion Ratio Lower Upper

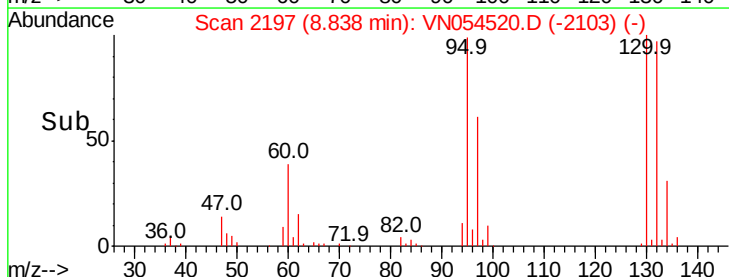
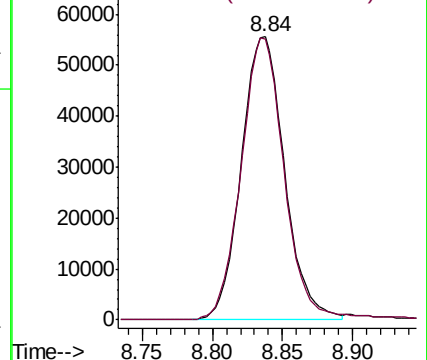
130 100

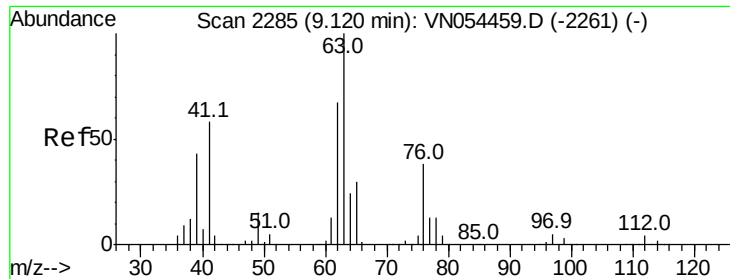
95 99.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

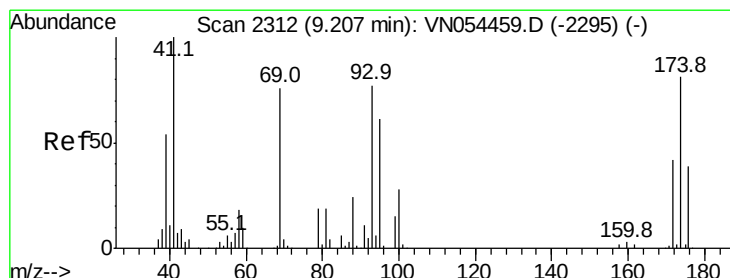
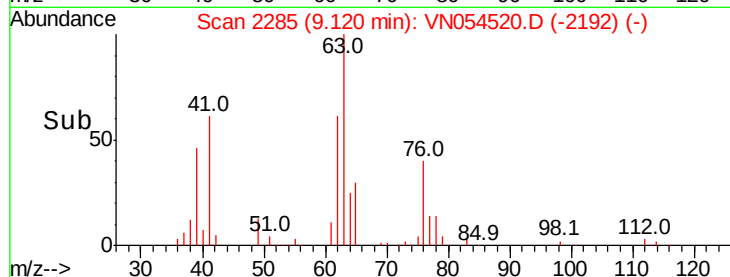
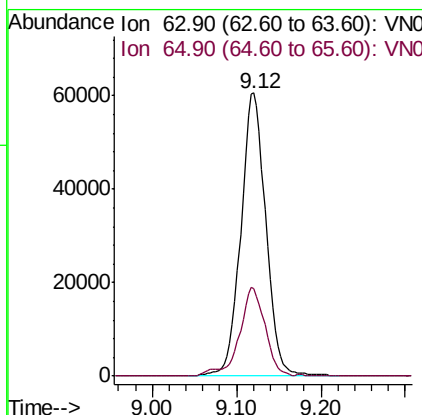
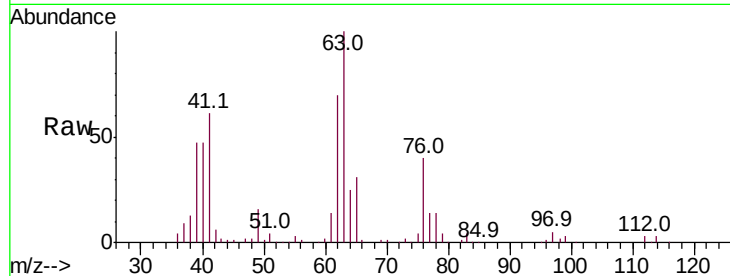




#45
 1,2-Dichloropropane
 Concen: 21.782 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

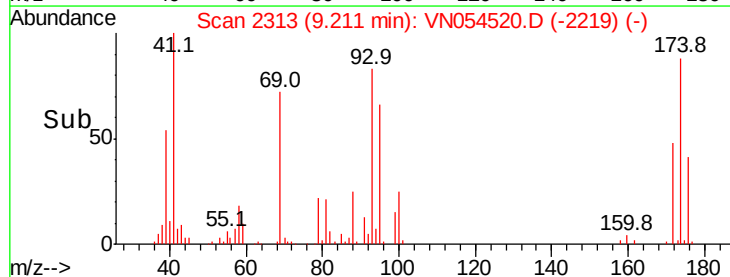
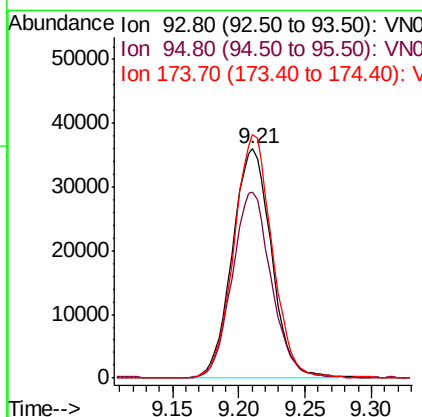
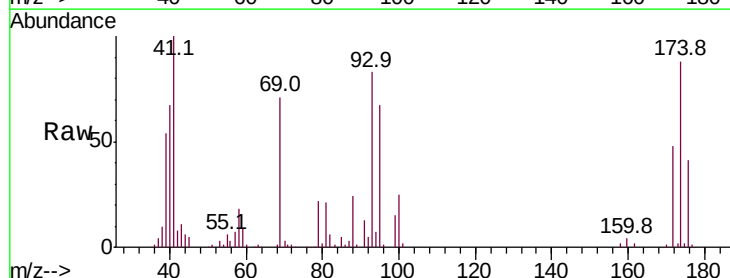
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

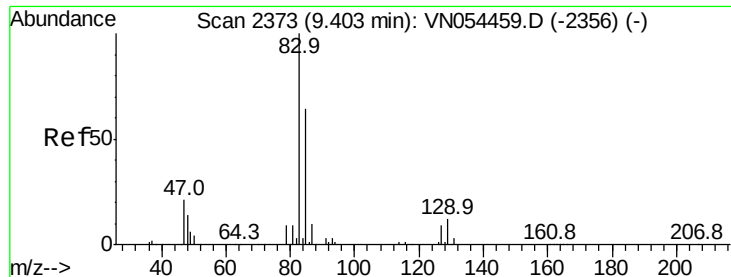
Tot Ion: 63 Resp: 125637
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 21.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 93 Resp: 73899
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.7 100.1
 174 103.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.548 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

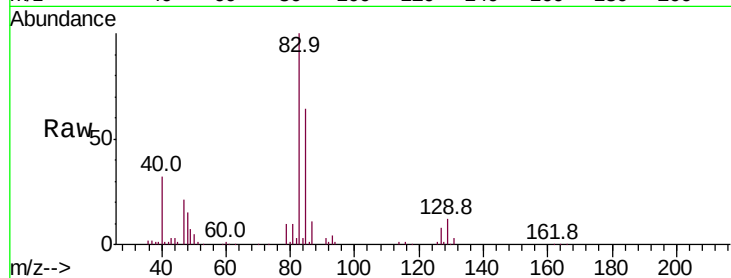
Tot Ion: 83 Resp: 146739

Ion Ratio Lower Upper

83 100

85 64.0 52.8 79.2

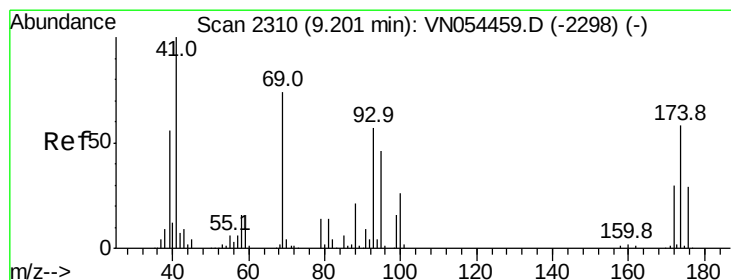
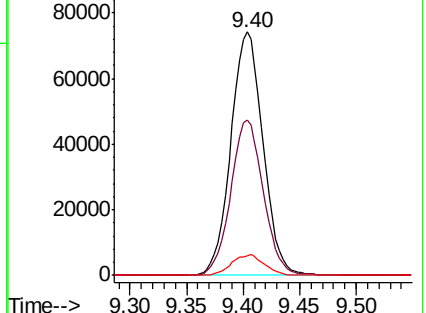
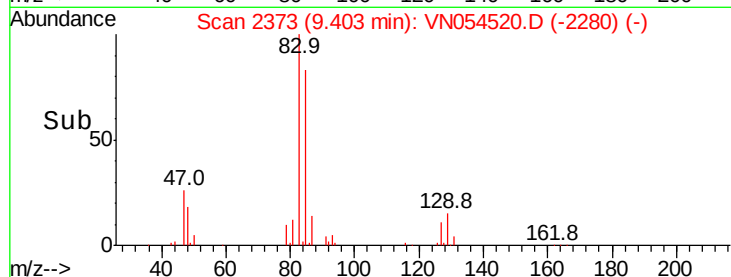
127 8.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.562 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

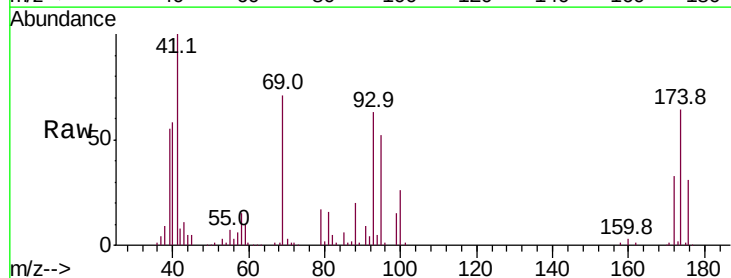
Tgt Ion: 41 Resp: 100701

Ion Ratio Lower Upper

41 100

69 73.1 72.6 108.8

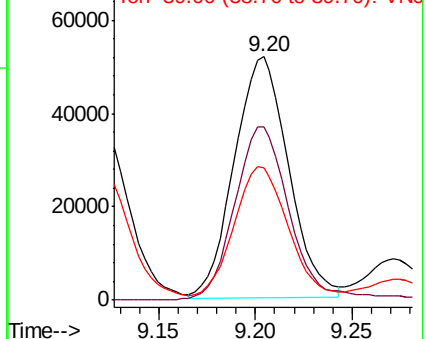
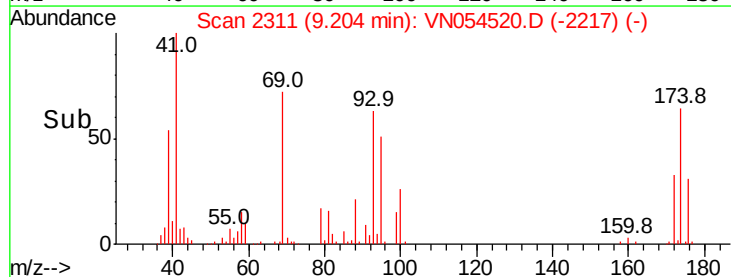
39 55.0 47.5 71.3

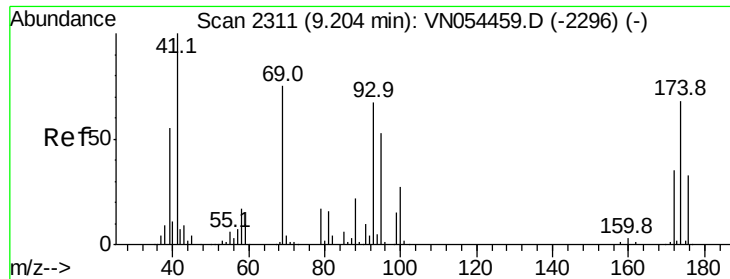


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 420.533 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

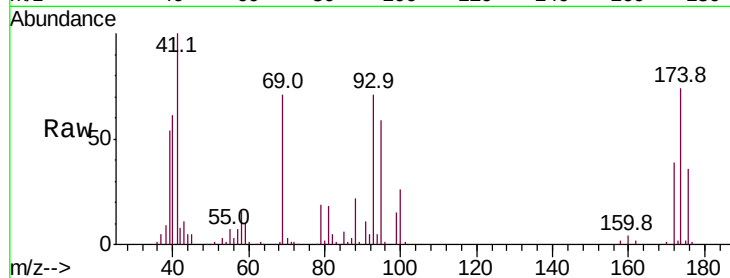
Tot Ion: 88 Resp: 23024

Ion Ratio Lower Upper

88 100

43 37.4 24.1 36.1#

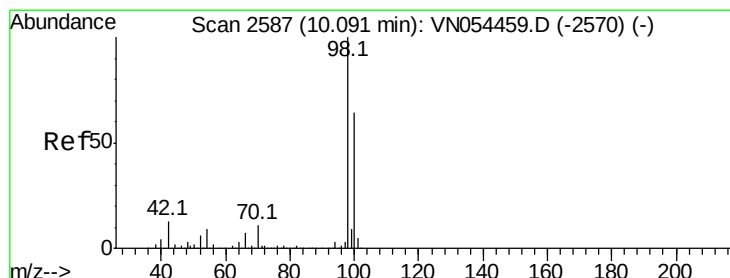
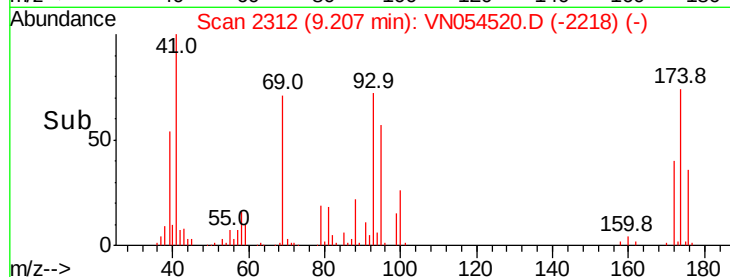
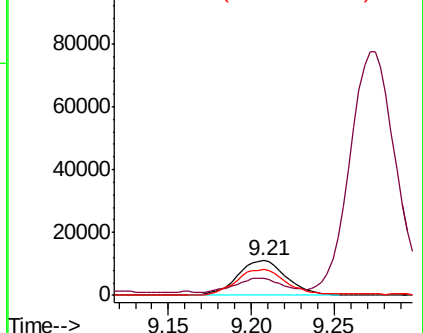
58 76.2 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054520.D

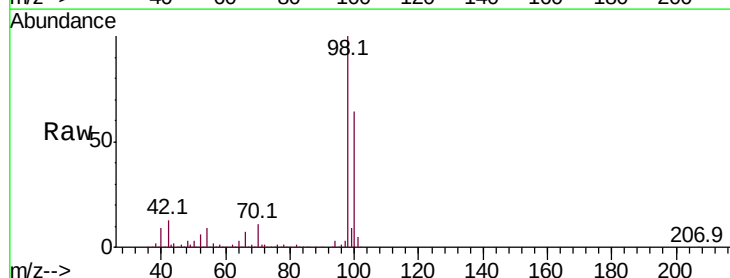
Acq: 21 Mar 2019 19:22

Tgt Ion: 98 Resp: 973902

Ion Ratio Lower Upper

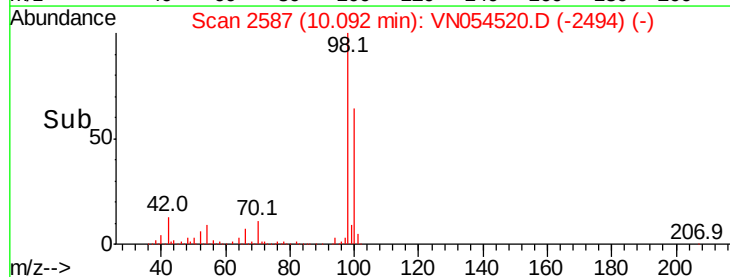
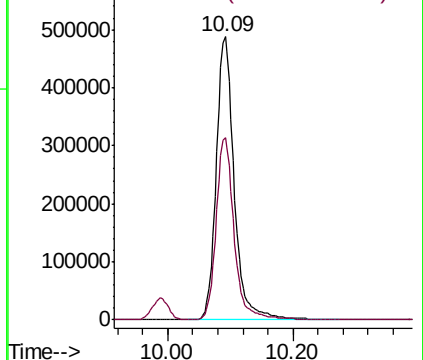
98 100

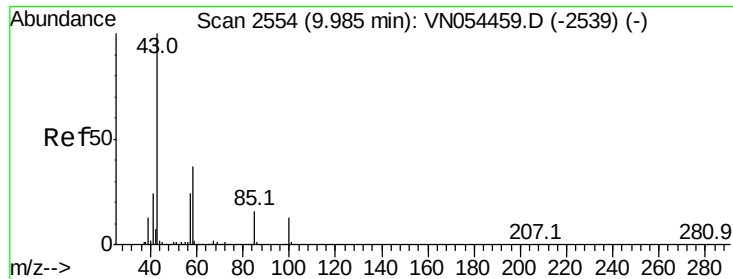
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.878 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

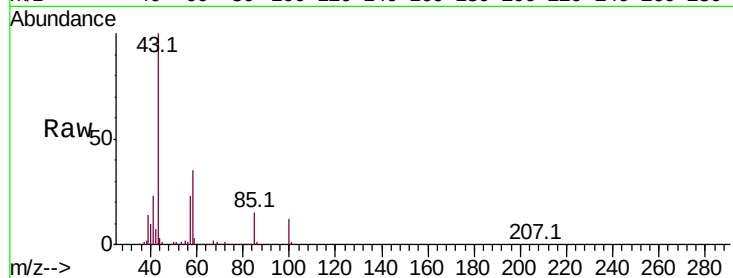
VN0321WBSD01

Tot Ion: 43 Resp: 544454

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

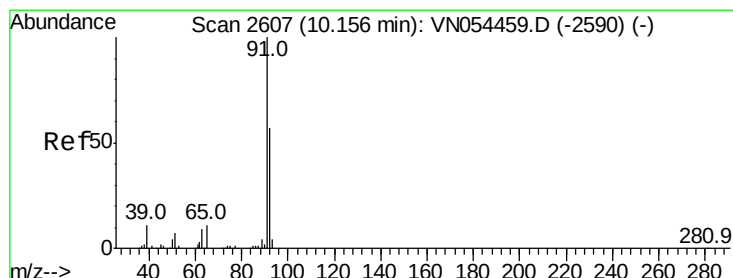
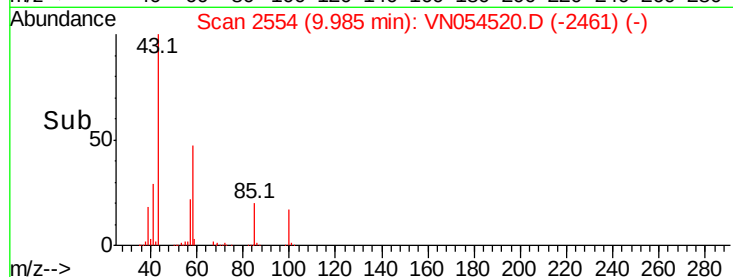
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054520.D

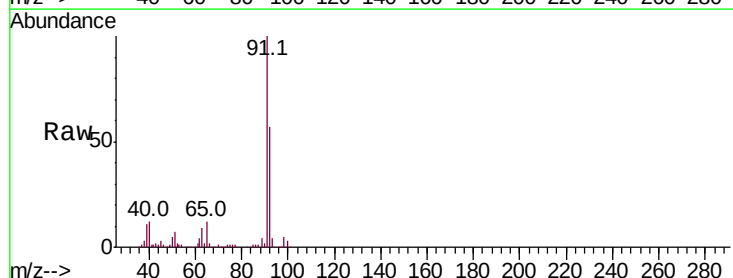
Acq: 21 Mar 2019 19:22

Tgt Ion: 92 Resp: 266955

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

250000

200000

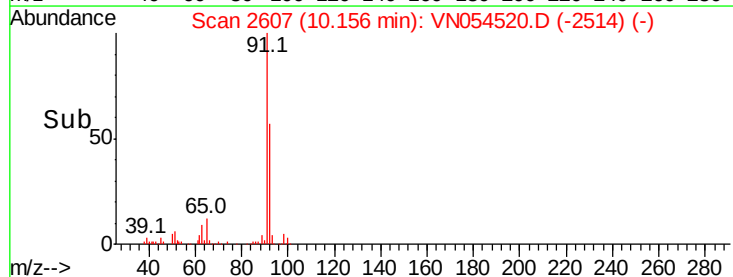
150000

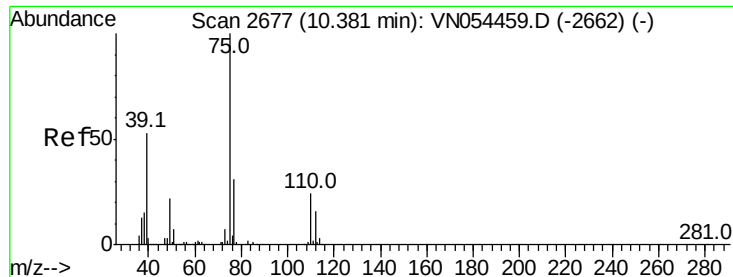
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.629 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

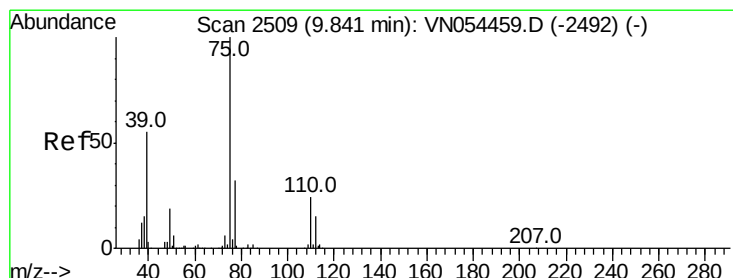
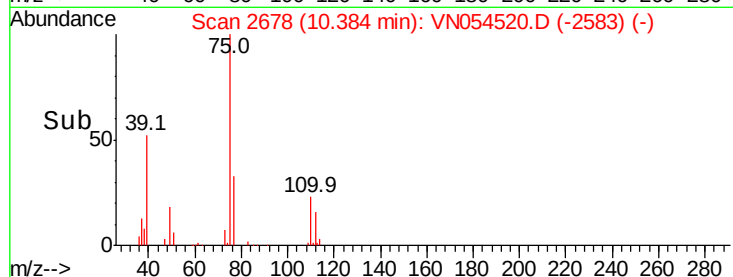
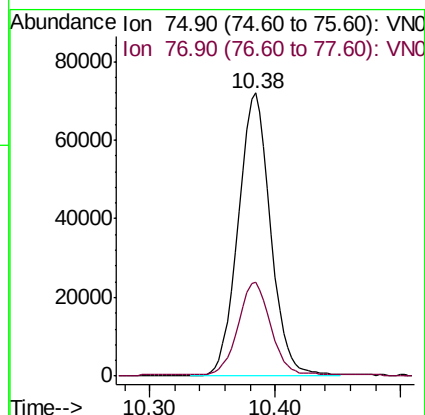
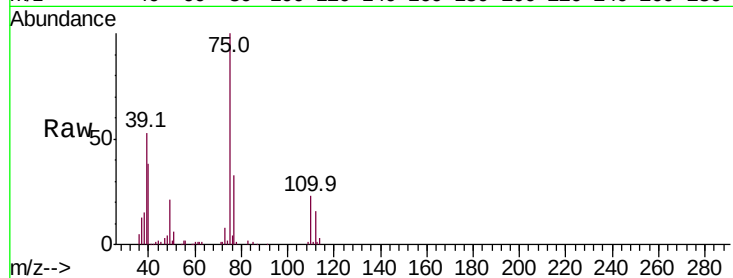
VN0321WBSD01

Tot Ion: 75 Resp: 129292

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.256 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

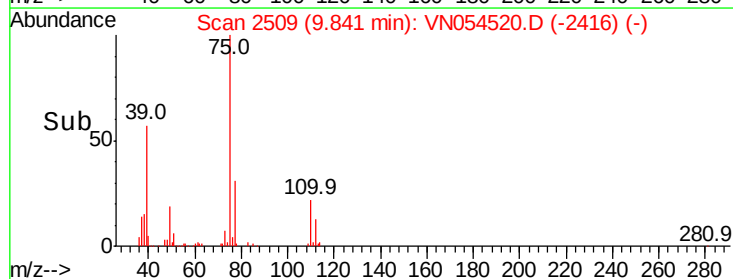
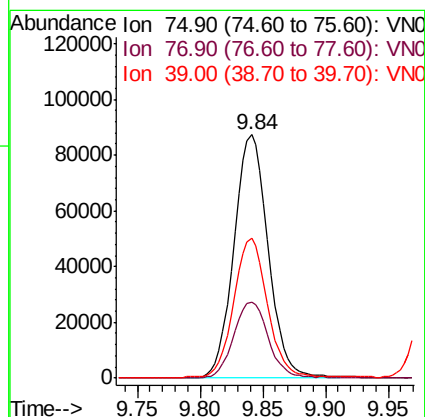
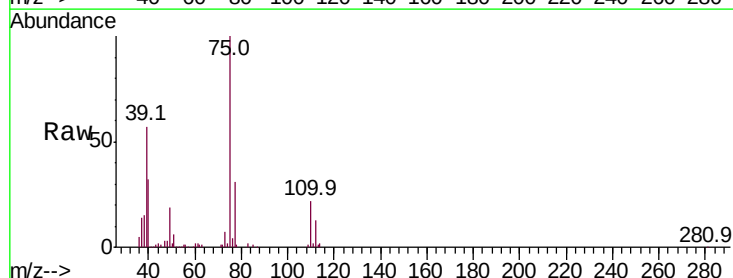
Tgt Ion: 75 Resp: 165863

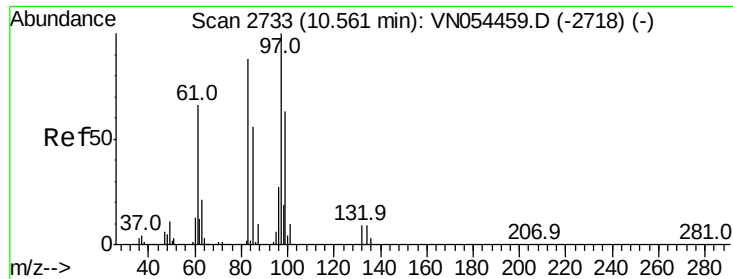
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 56.8 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.211 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 97 Resp: 100734

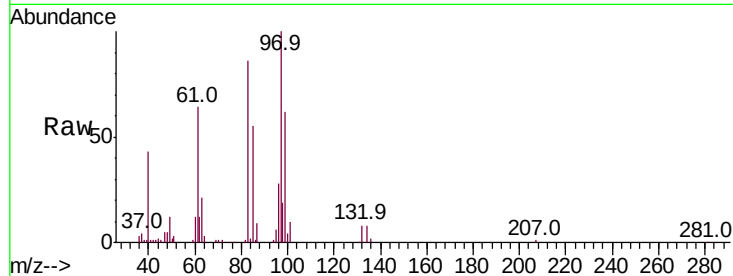
Ion Ratio Lower Upper

97 100

83 86.4 66.6 100.0

85 54.9 44.4 66.6

99 61.8 50.8 76.2

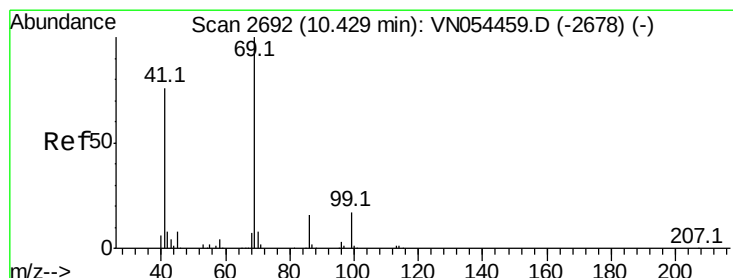
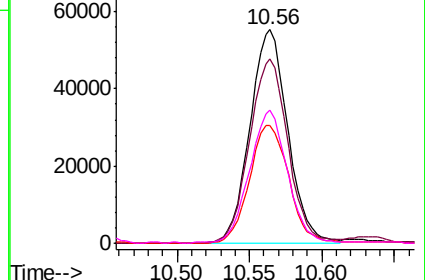
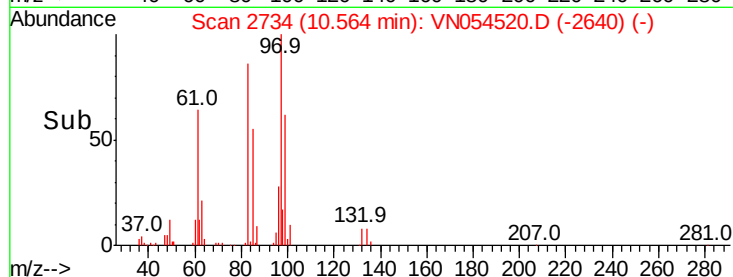


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.346 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

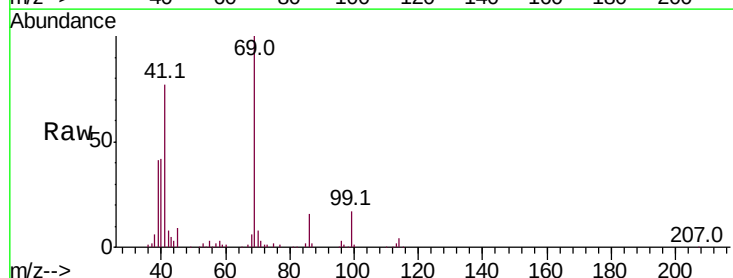
Tgt Ion: 69 Resp: 129689

Ion Ratio Lower Upper

69 100

41 76.8 49.4 74.2#

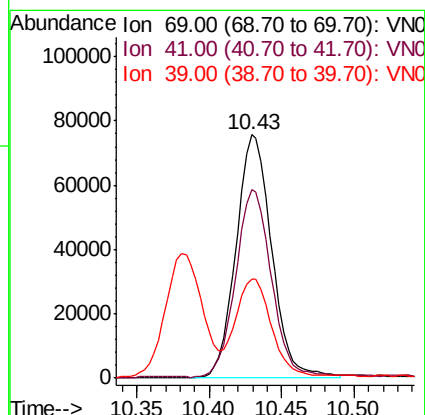
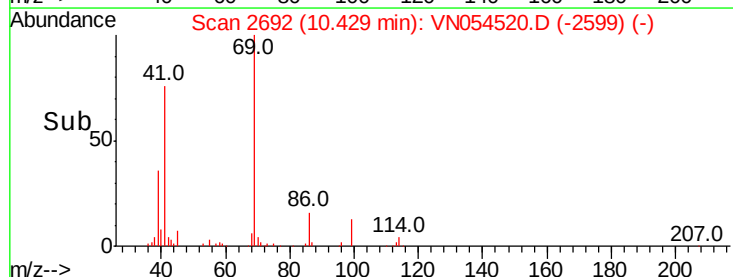
39 40.0 28.3 42.5

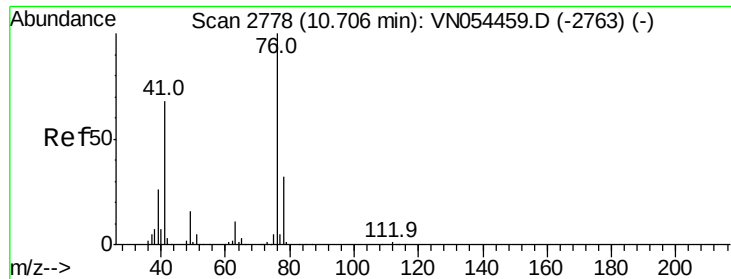


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.141 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

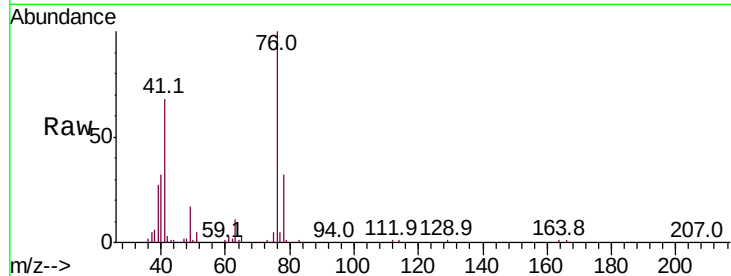
VN0321WBSD01

Tot Ion: 76 Resp: 174524

Ion Ratio Lower Upper

76 100

78 33.4 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

100000

80000

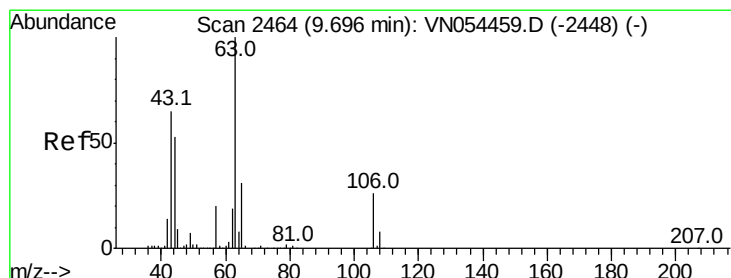
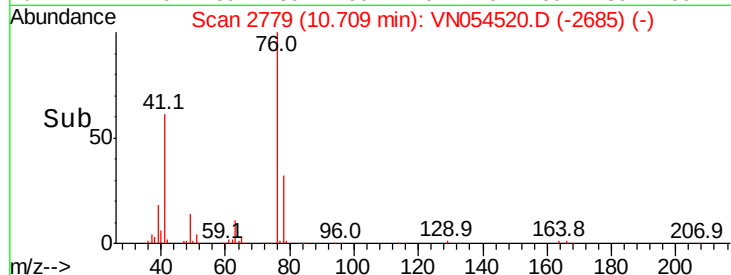
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.346 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054520.D

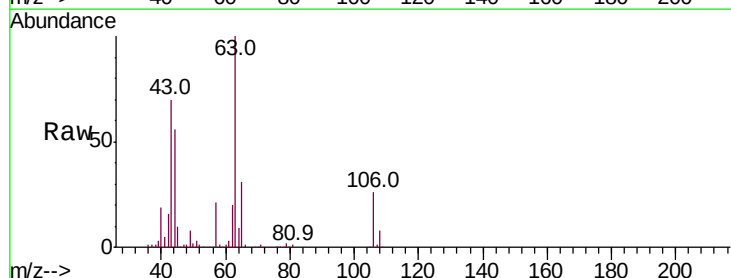
Acq: 21 Mar 2019 19:22

Tgt Ion: 63 Resp: 252883

Ion Ratio Lower Upper

63 100

106 25.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

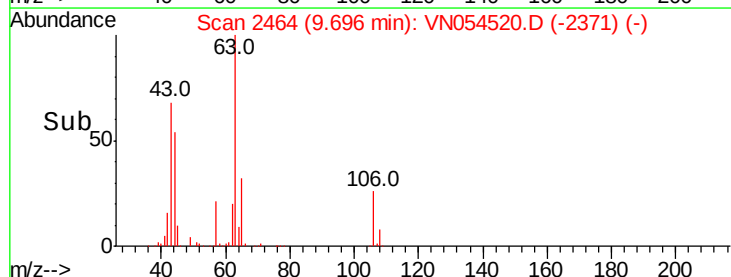
150000

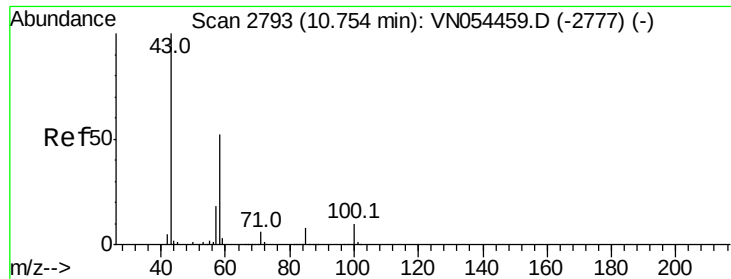
100000

50000

0

Time-->

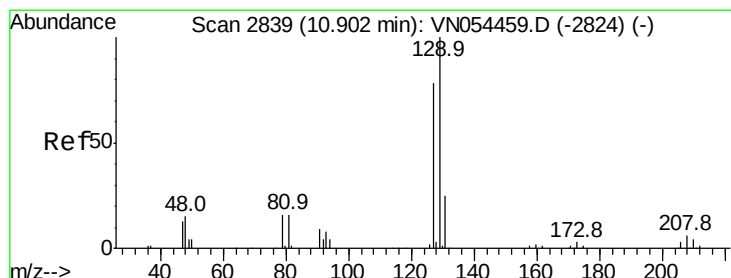
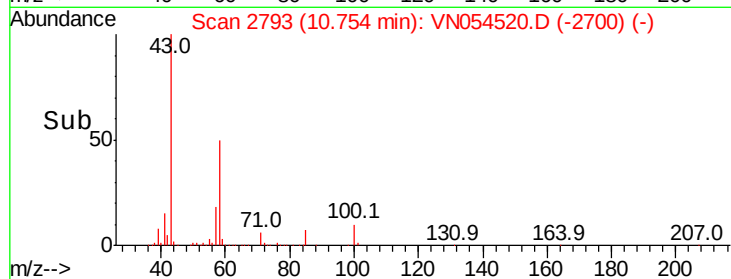
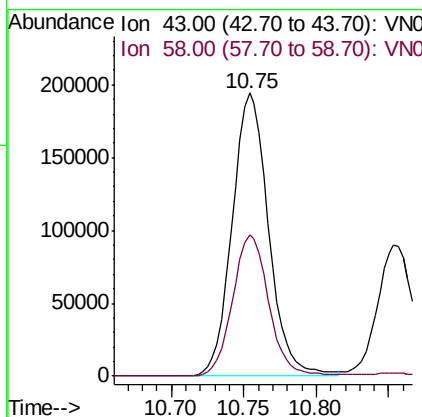
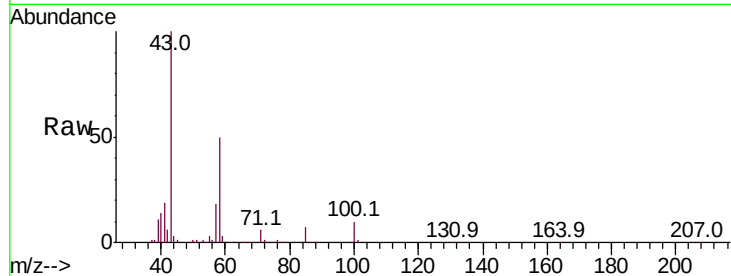




#59
2-Hexanone
Concen: 102.630 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

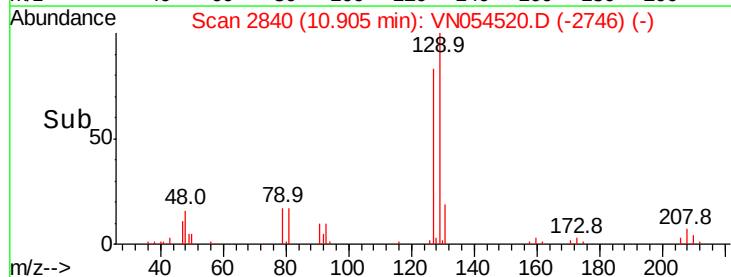
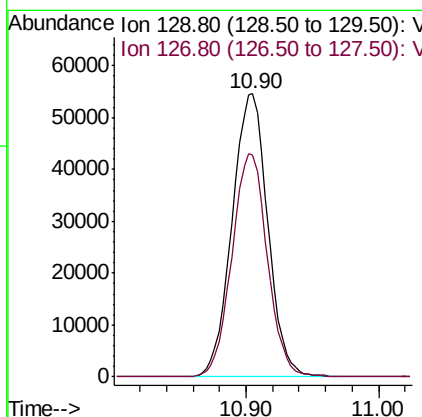
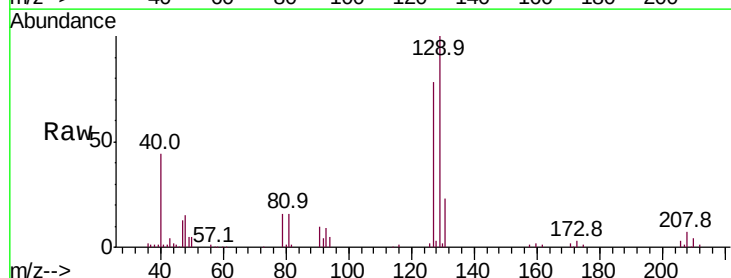
Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

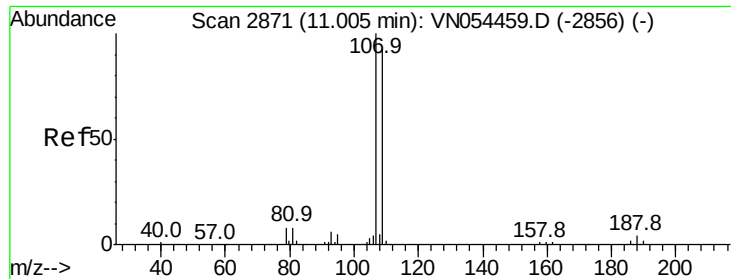
Tot Ion: 43 Resp: 335224
Ion Ratio Lower Upper
43 100
58 50.6 28.0 83.9



#60
Dibromochloromethane
Concen: 20.190 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 129 Resp: 102027
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8

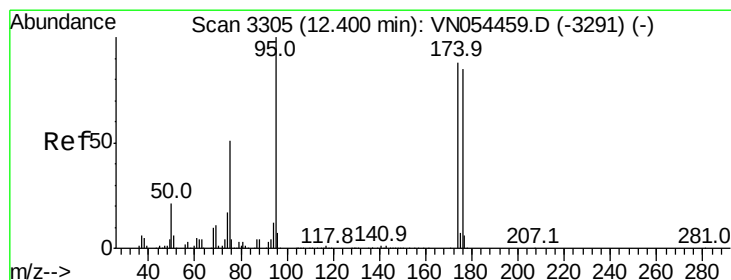
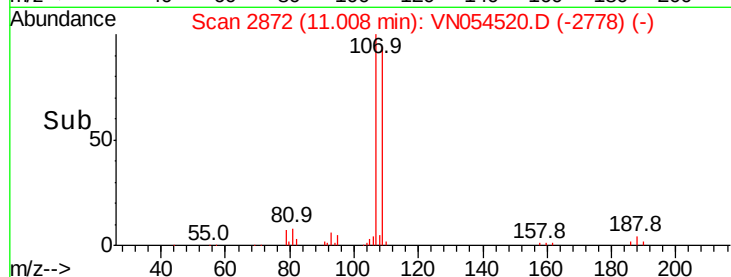
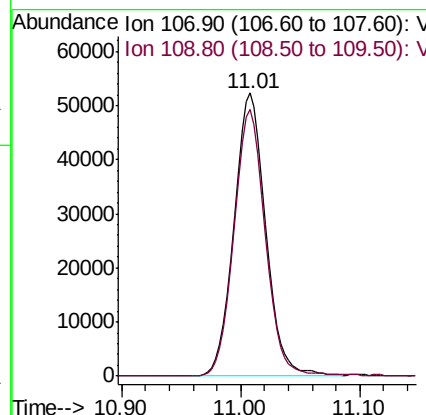
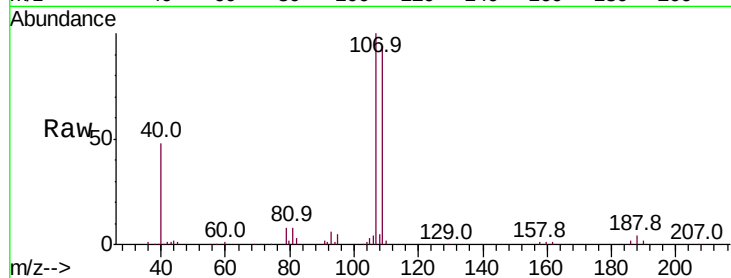




#61
 1,2-Dibromoethane
 Concen: 20.534 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

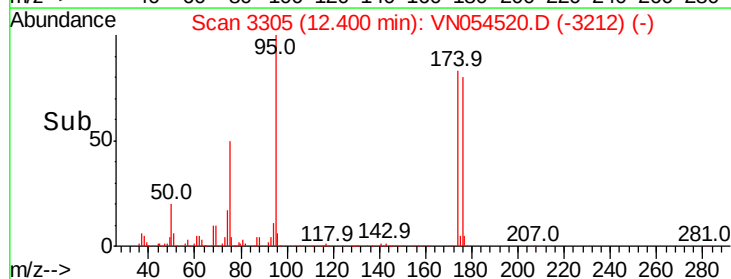
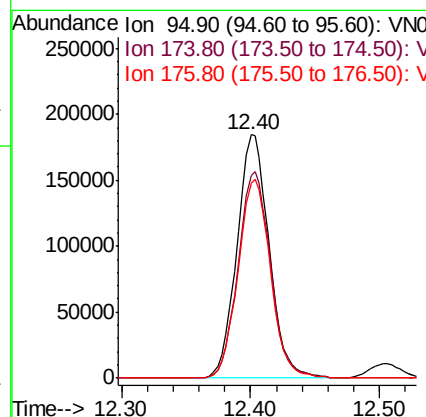
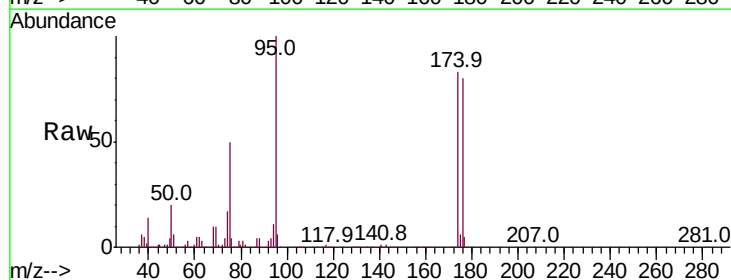
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

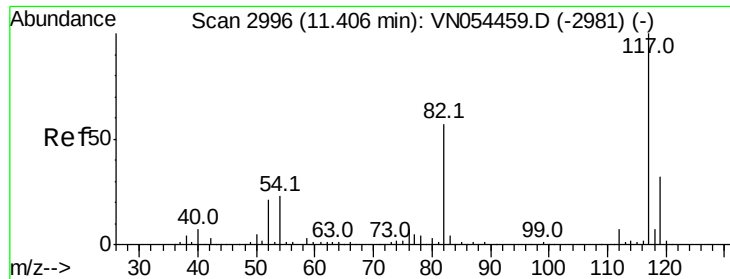
Tot Ion:107 Resp: 96407
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.281 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 95 Resp: 319681
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 191.0
 176 82.5 0.0 187.4

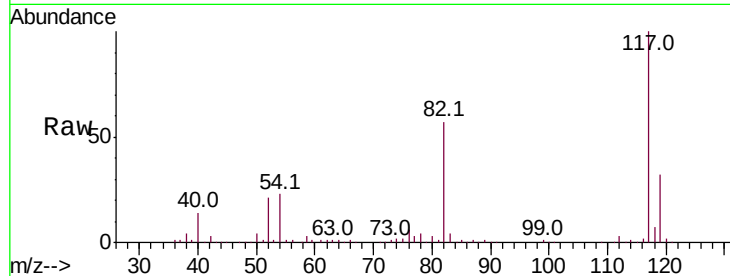




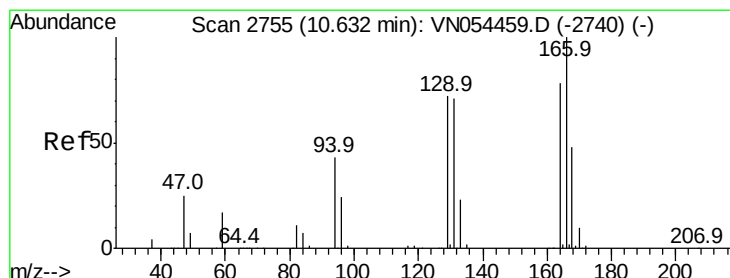
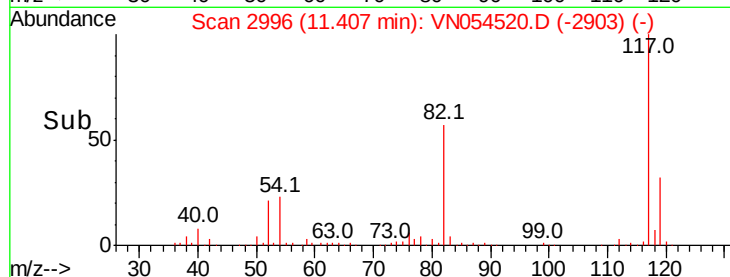
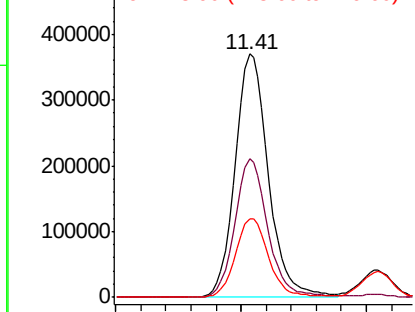
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion:117 Resp: 683200
Ion Ratio Lower Upper
117 100
82 56.8 40.0 60.0
119 32.3 25.8 38.6

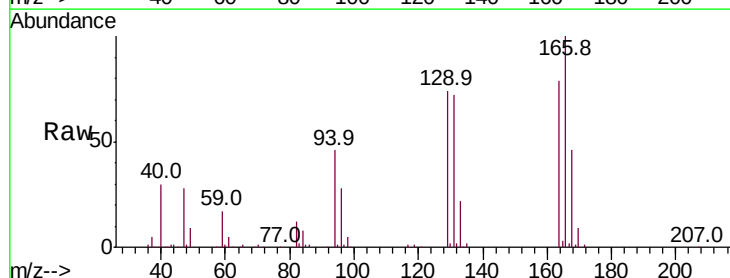


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

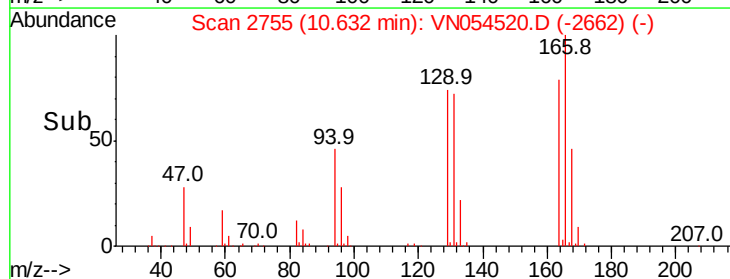
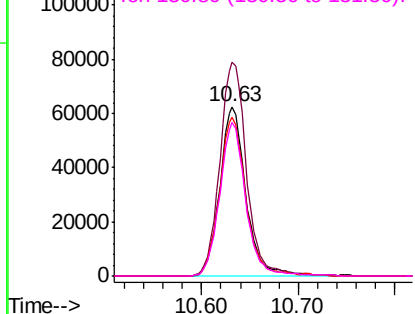


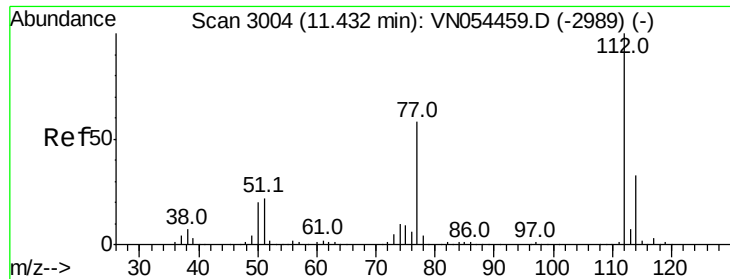
#64
Tetrachloroethene
Concen: 20.614 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:164 Resp: 116818
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 94.1 71.1 106.7
131 91.3 68.2 102.4



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

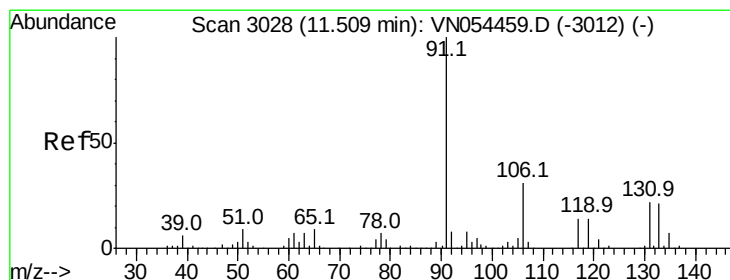
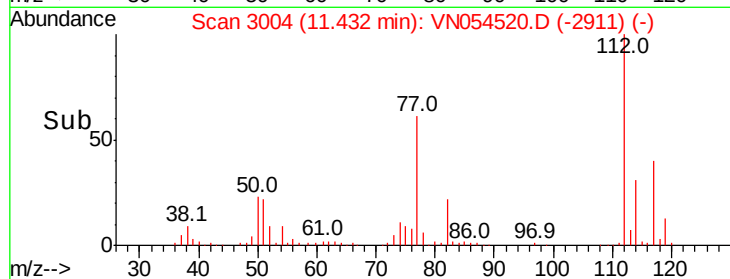
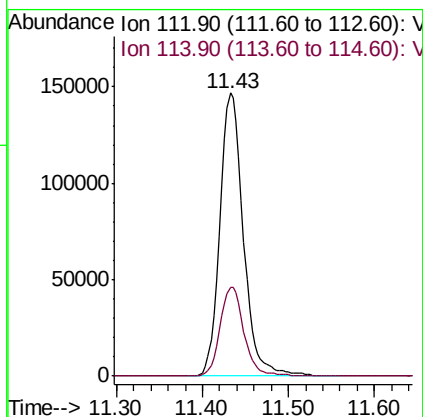
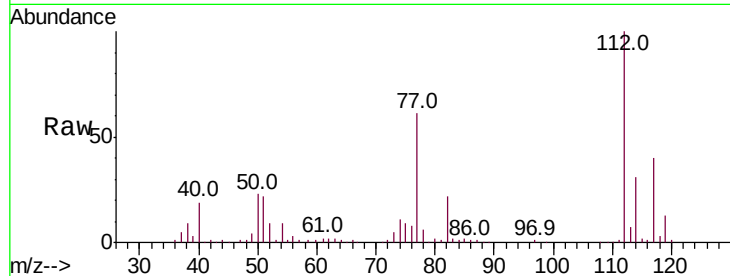




#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

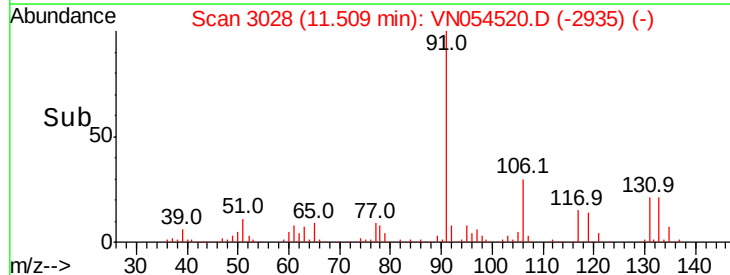
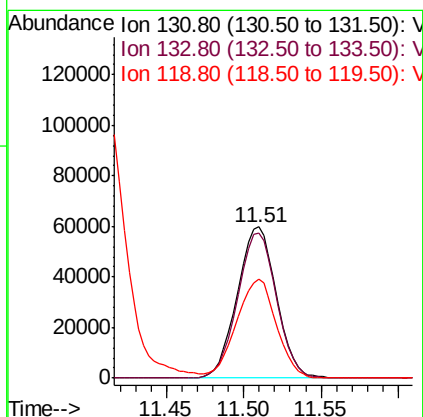
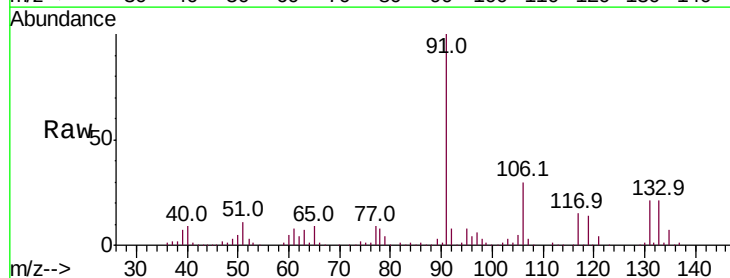
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

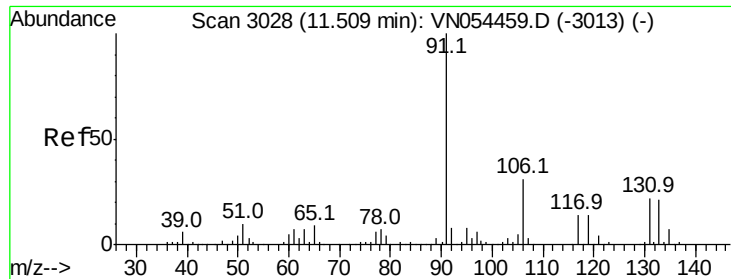
Tot Ion:112 Resp: 279375
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:131 Resp: 105202
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 67.0 32.4 97.0

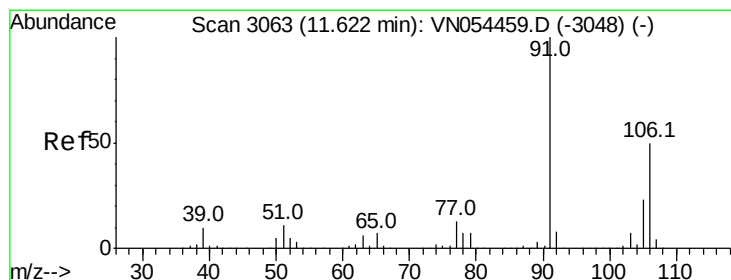
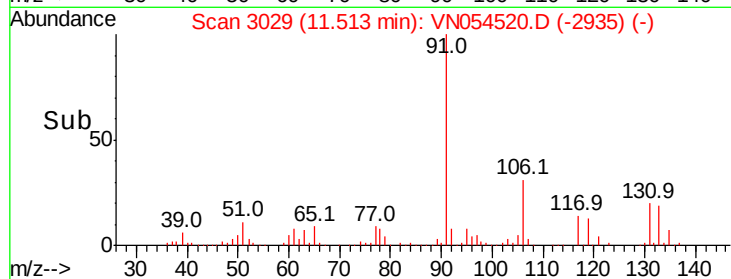
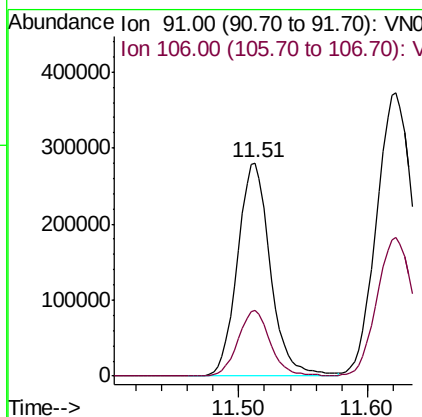
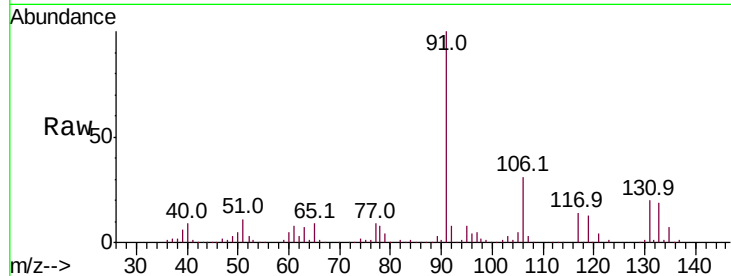




#67
Ethyl Benzene
Concen: 20.272 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

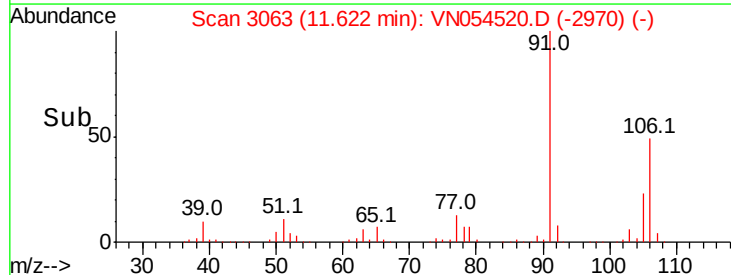
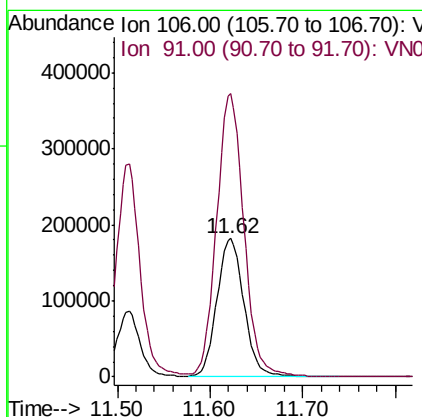
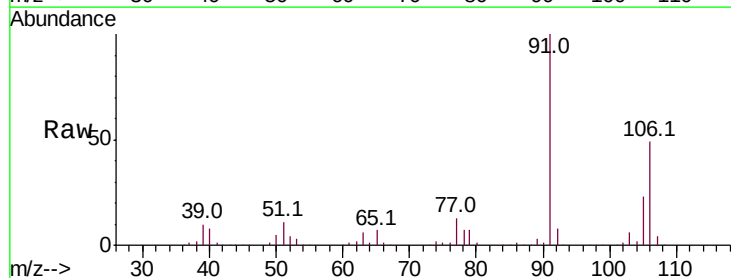
Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

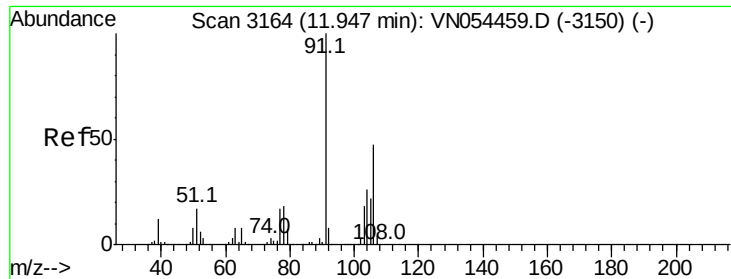
Tot Ion: 91 Resp: 497597
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 39.799 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 106 Resp: 370018
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2

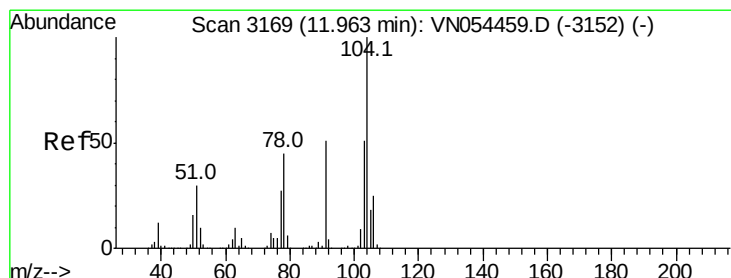
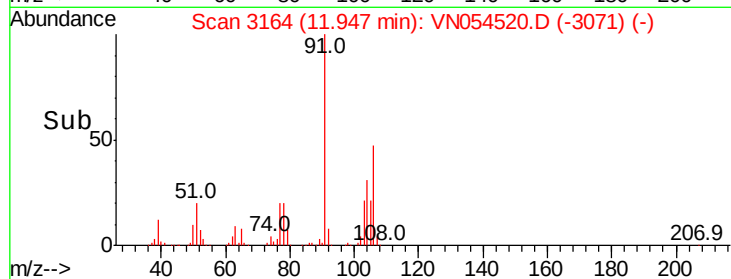
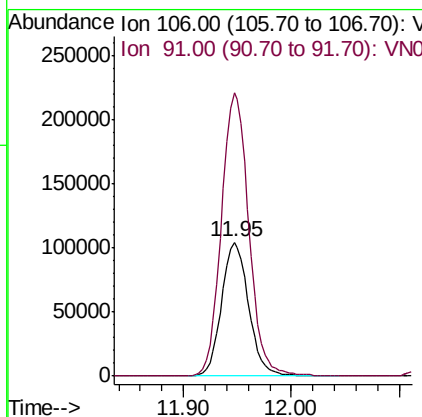
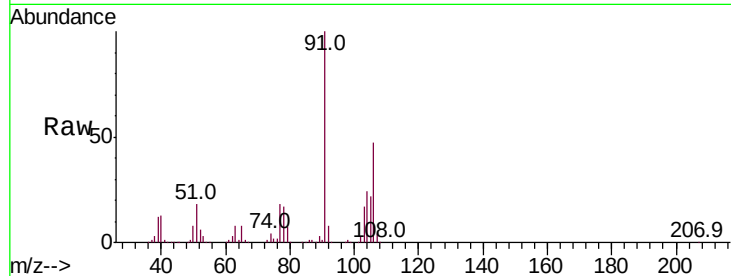




#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

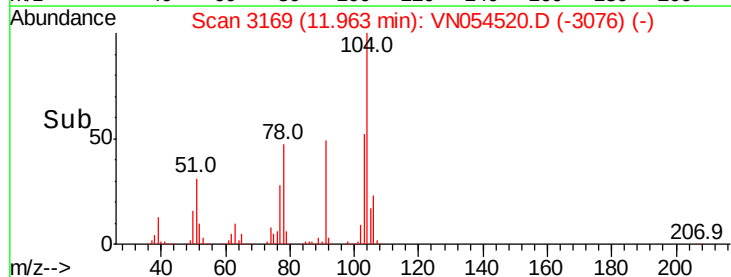
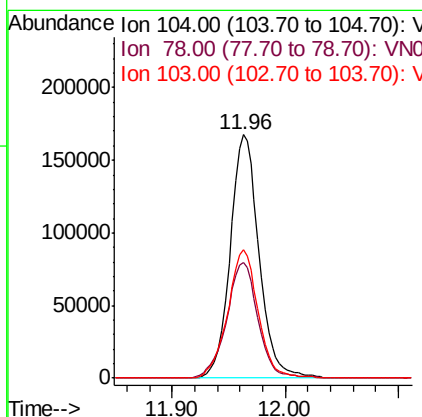
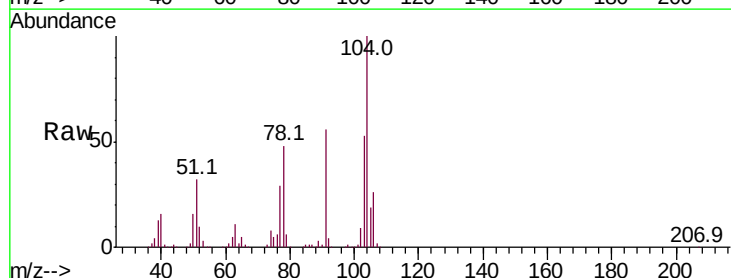
Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

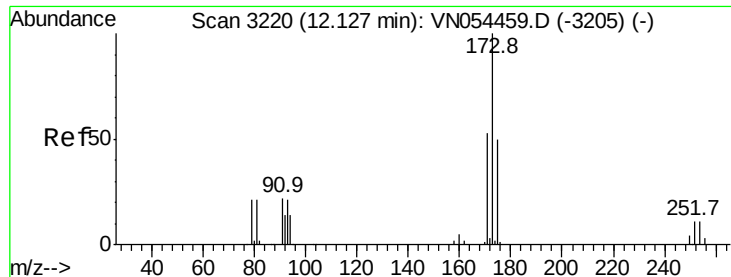
Tot Ion:106 Resp: 183000
Ion Ratio Lower Upper
106 100
91 213.9 105.7 317.1



#70
Styrene
Concen: 20.125 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:104 Resp: 296736
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.8 44.4 66.6

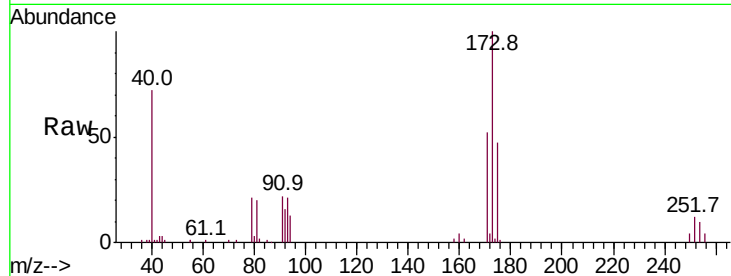




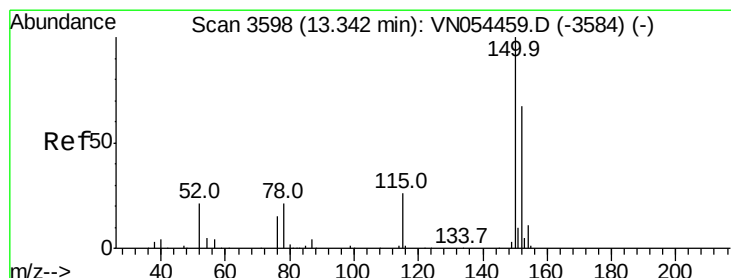
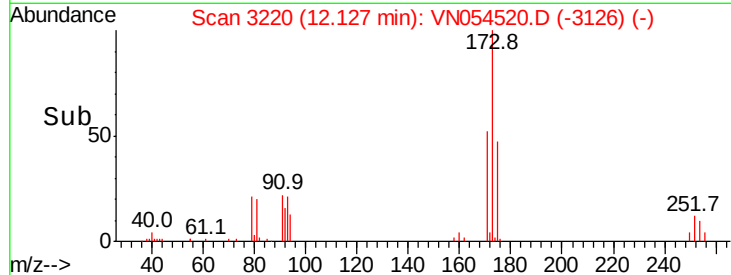
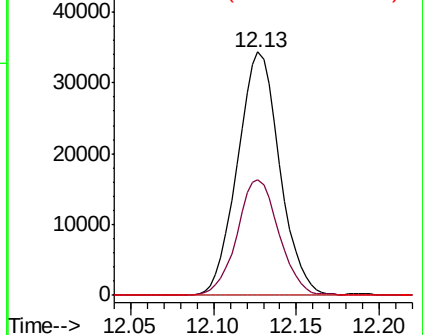
#71
Bromoform
Concen: 19.106 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion:173 Resp: 60759
Ion Ratio Lower Upper
173 100
175 47.1 24.4 73.2
254 0.0 0.1 0.1#

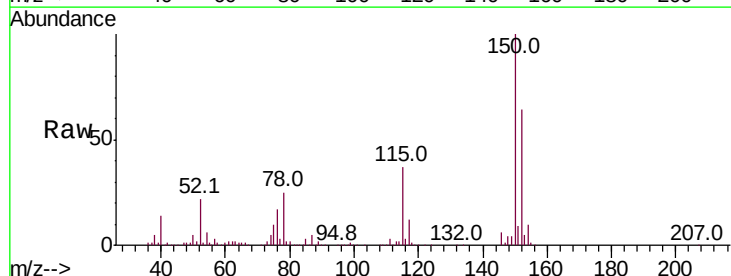


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

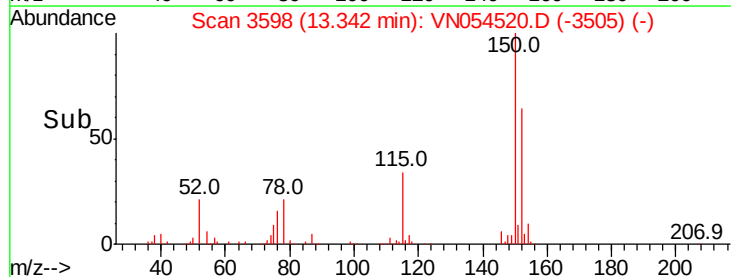
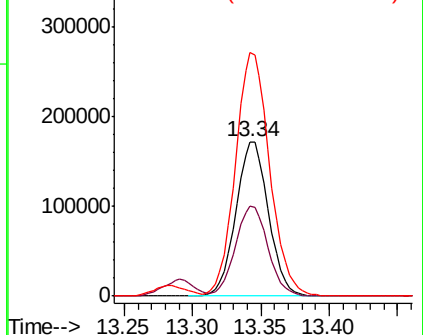


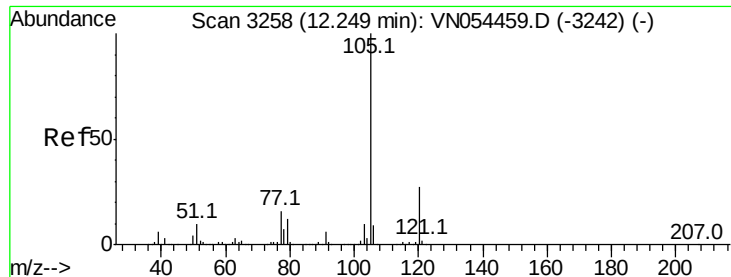
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:152 Resp: 284277
Ion Ratio Lower Upper
152 100
115 58.8 27.2 81.6
150 165.4 0.0 349.2



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: 21.070 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

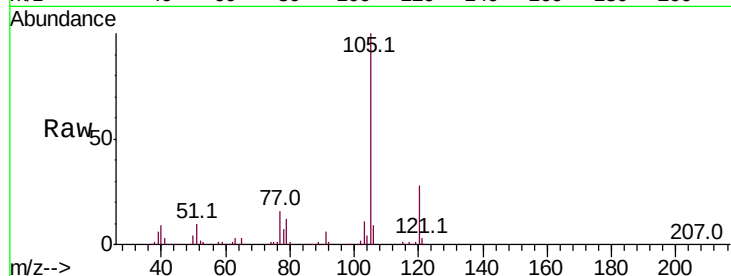
VN0321WBSD01

Tot Ion:105 Resp: 482672

Ion Ratio Lower Upper

105 100

120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

150000

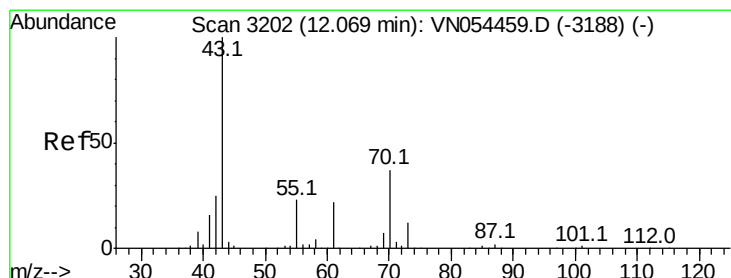
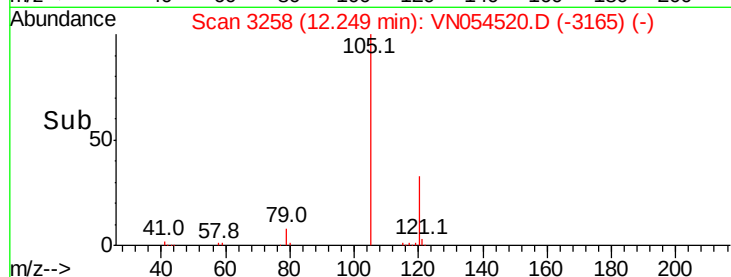
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 22.520 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion: 43 Resp: 148334

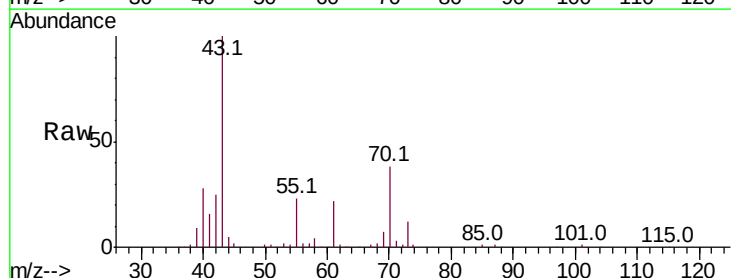
Ion Ratio Lower Upper

43 100

70 37.0 35.4 53.0

55 23.3 19.8 29.6

61 21.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

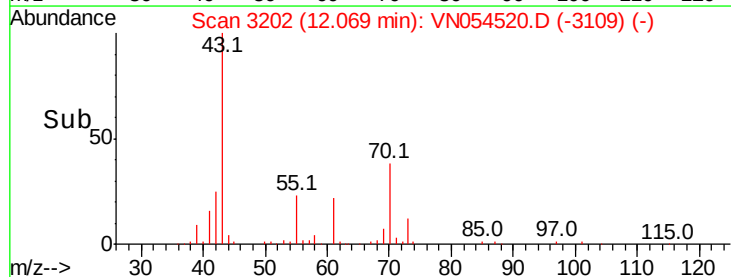
100000

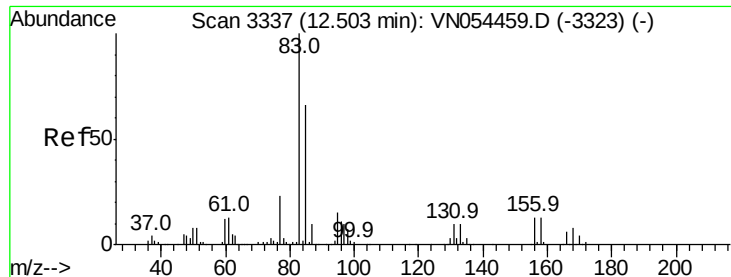
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.663 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

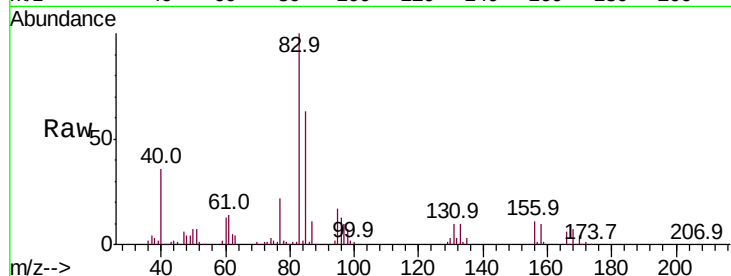
Tot Ion: 83 Resp: 118512

Ion Ratio Lower Upper

83 100

131 10.3 5.8 17.4

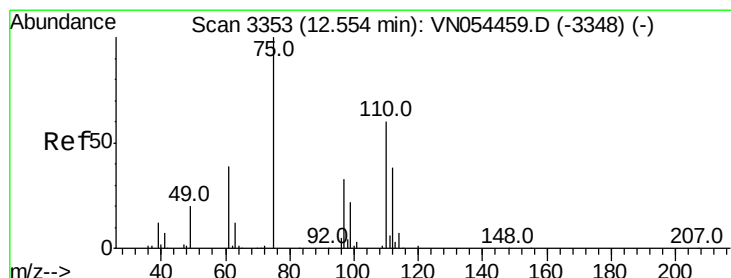
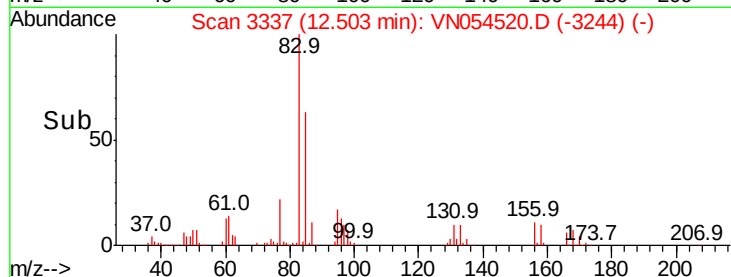
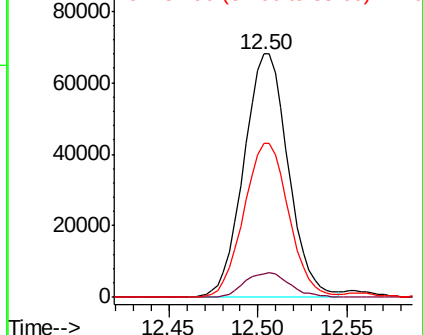
85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.935 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054520.D

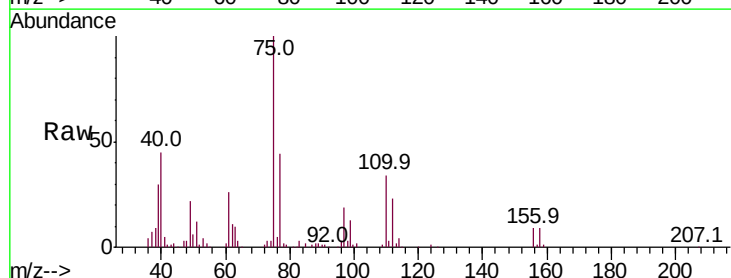
Acq: 21 Mar 2019 19:22

Tgt Ion: 75 Resp: 139550

Ion Ratio Lower Upper

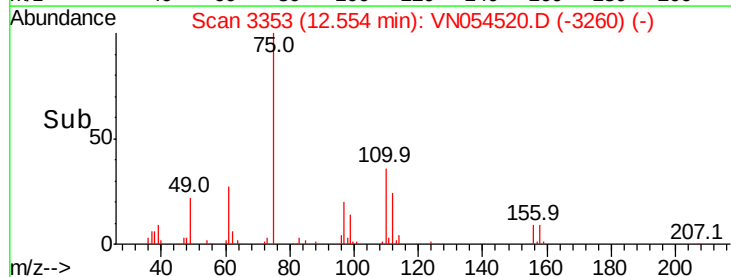
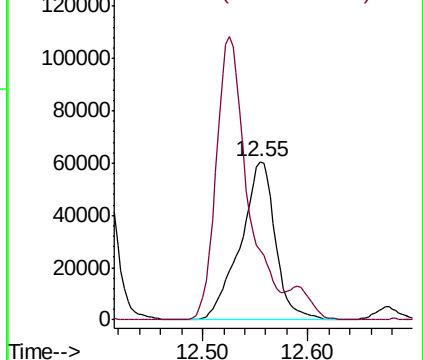
75 100

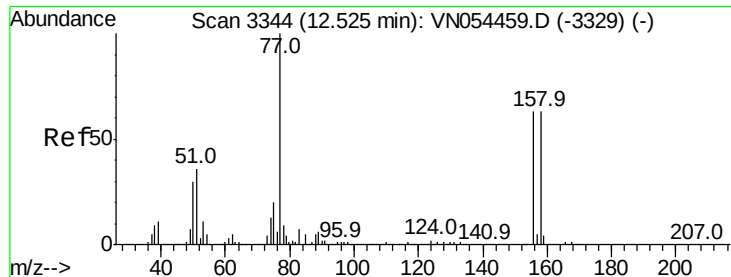
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.308 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

VN0321WBSD01

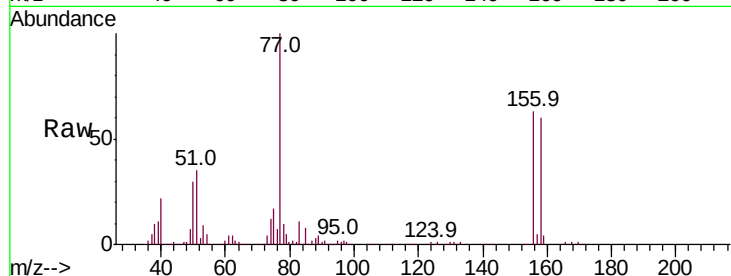
Tot Ion:156 Resp: 121059

Ion Ratio Lower Upper

156 100

77 185.8 81.5 244.4

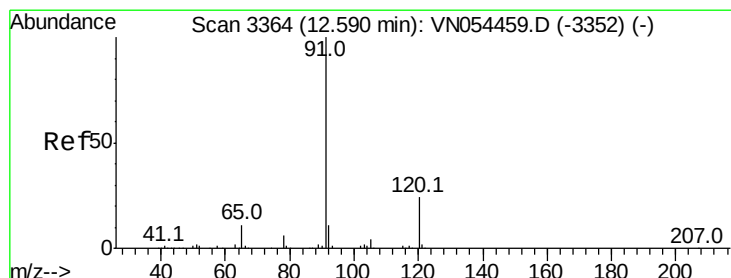
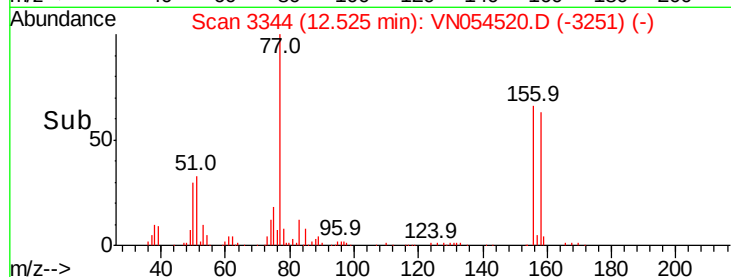
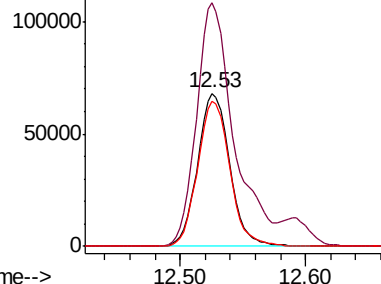
158 94.9 49.0 147.2



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: 20.811 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054520.D

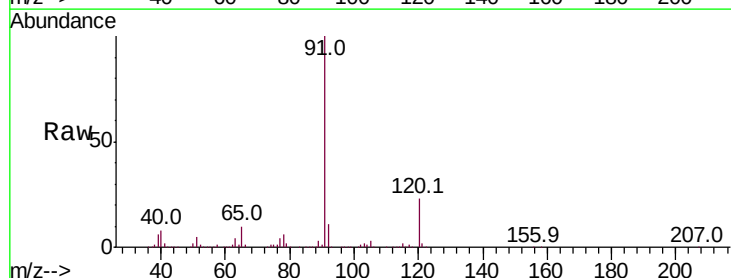
Acq: 21 Mar 2019 19:22

Tgt Ion: 91 Resp: 516941

Ion Ratio Lower Upper

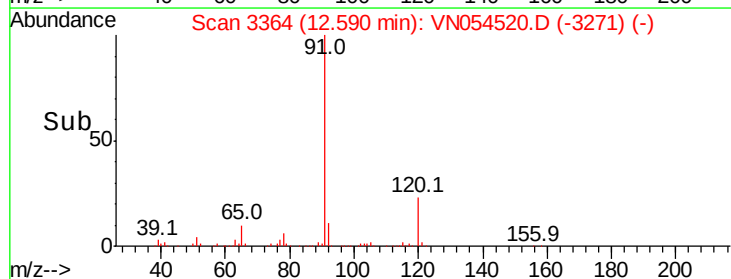
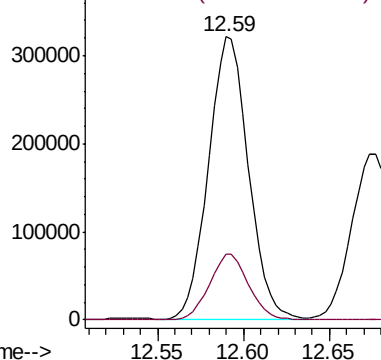
91 100

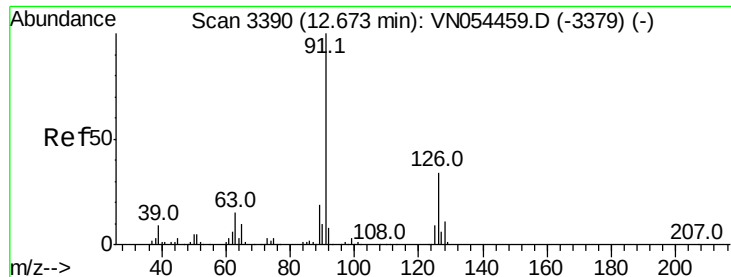
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.782 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

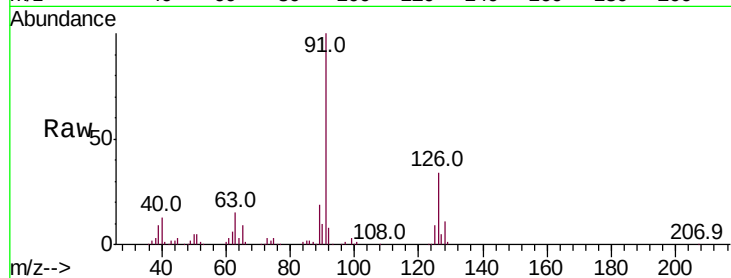
VN0321WBSD01

Tot Ion: 91 Resp: 321923

Ion Ratio Lower Upper

91 100

126 34.1 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

200000

150000

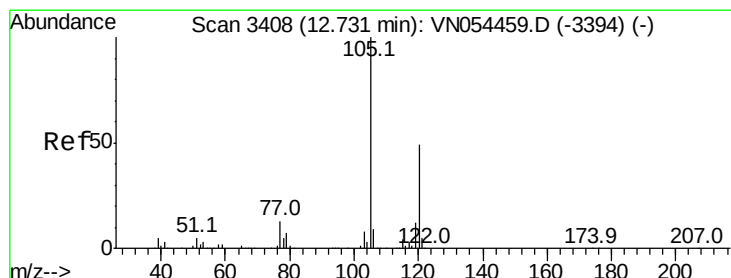
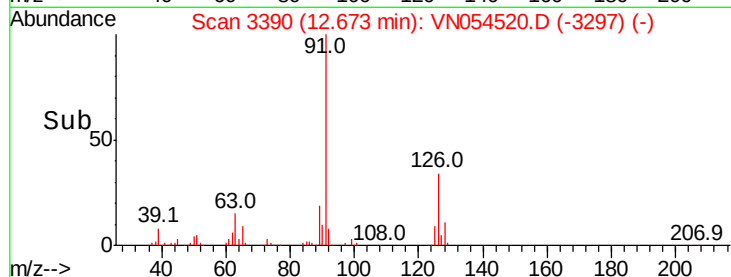
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.701 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054520.D

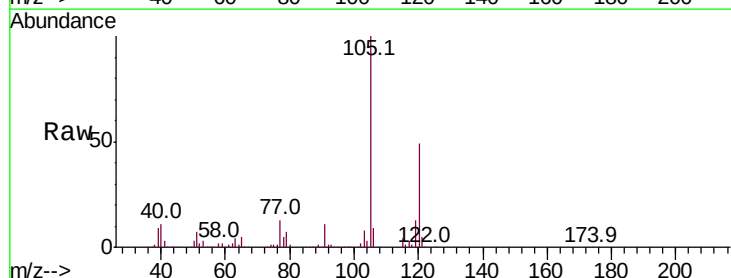
Acq: 21 Mar 2019 19:22

Tgt Ion: 105 Resp: 388659

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

250000

200000

150000

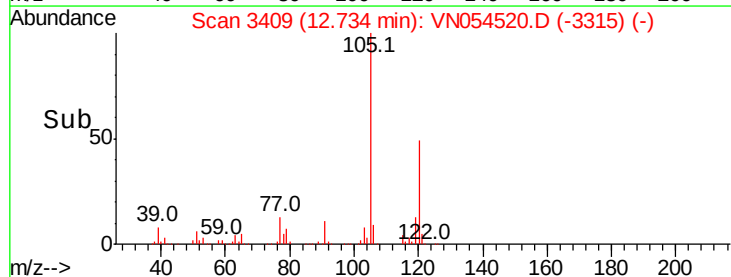
100000

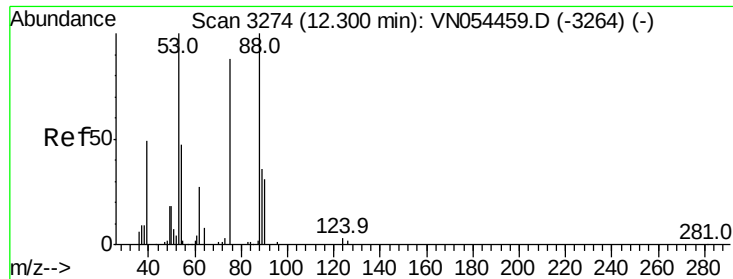
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.342 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

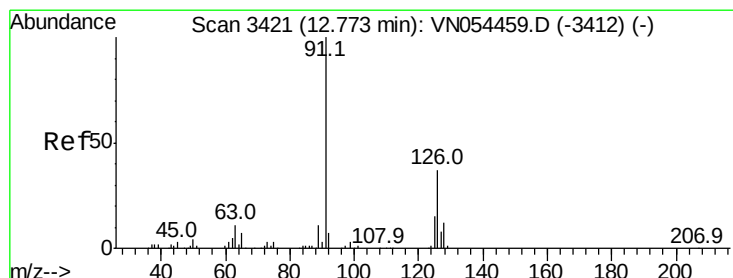
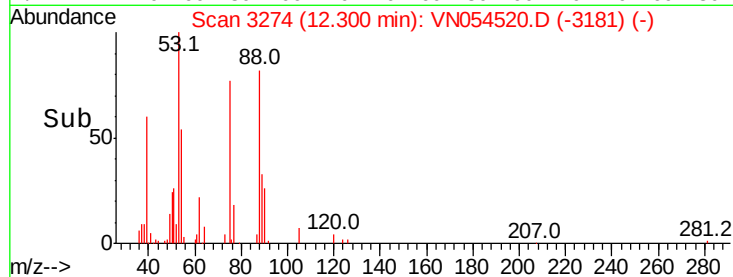
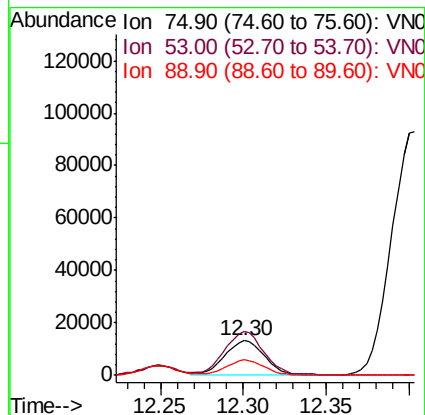
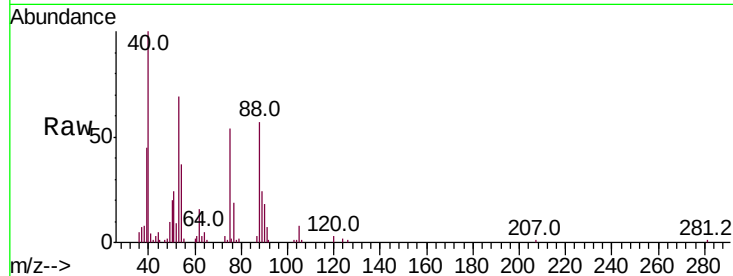
Tot Ion: 75 Resp: 22592

Ion Ratio Lower Upper

75 100

53 120.4 76.2 114.2#

89 41.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.680 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054520.D

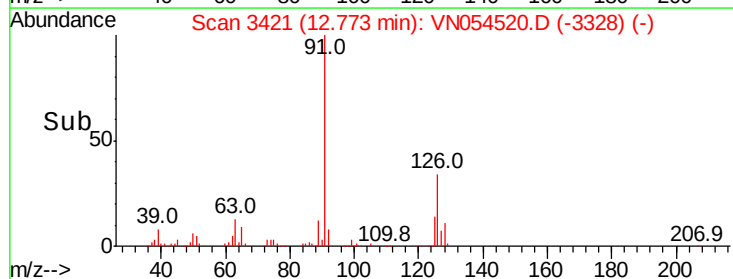
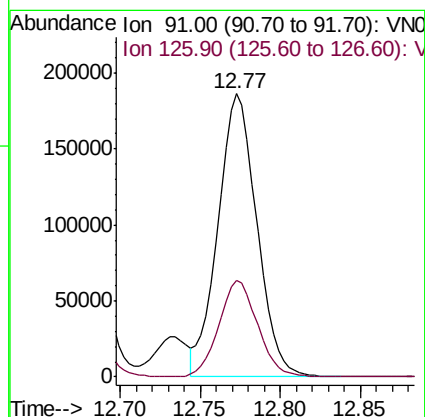
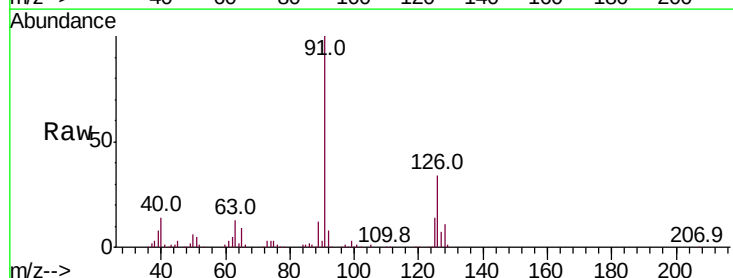
Acq: 21 Mar 2019 19:22

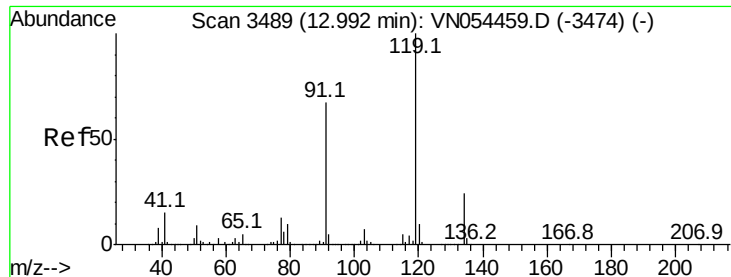
Tgt Ion: 91 Resp: 310507

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.709 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

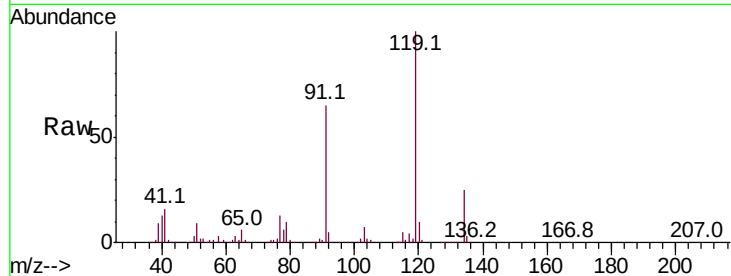
Tot Ion:119 Resp: 338429

Ion Ratio Lower Upper

119 100

91 65.2 30.9 92.8

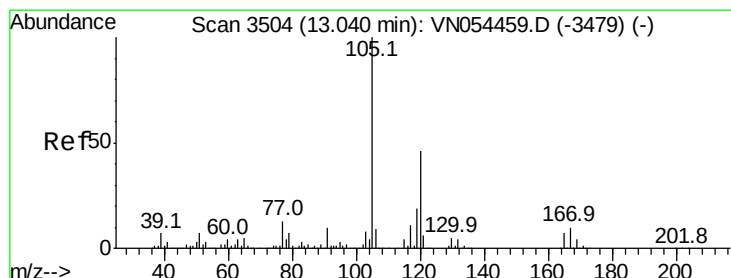
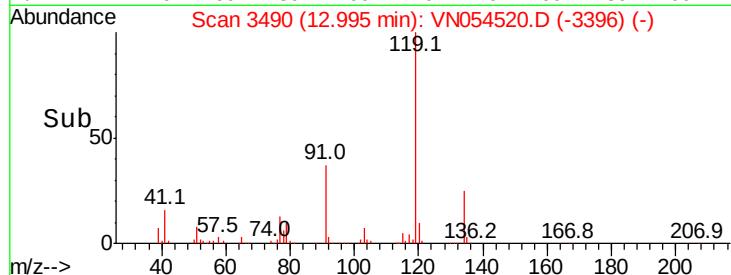
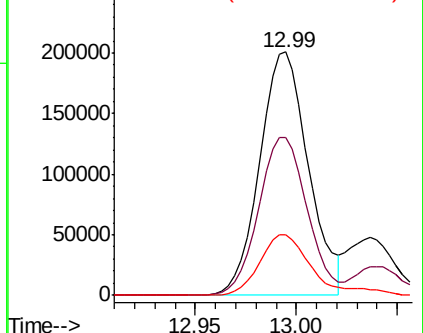
134 27.0 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.736 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054520.D

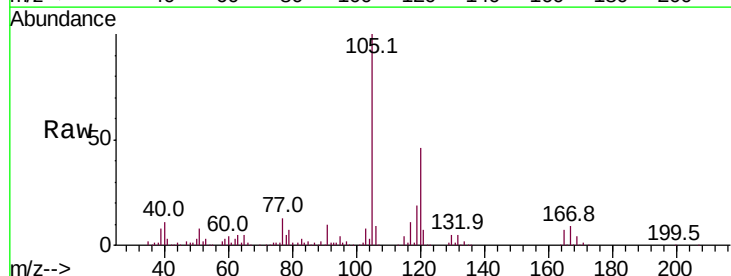
Acq: 21 Mar 2019 19:22

Tgt Ion:105 Resp: 382002

Ion Ratio Lower Upper

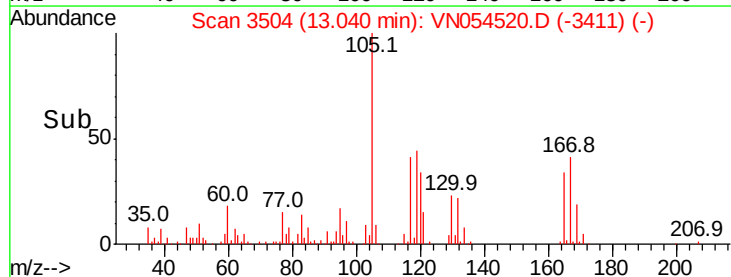
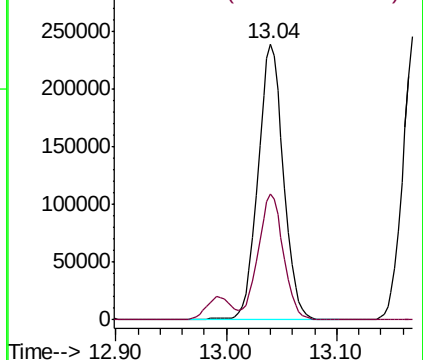
105 100

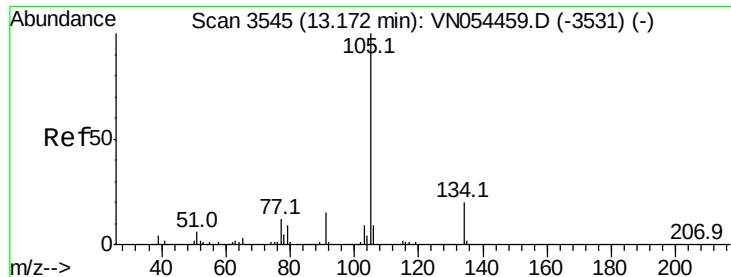
120 45.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

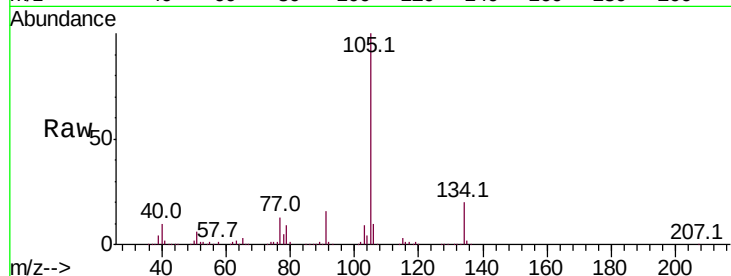
VN0321WBSD01

Tot Ion:105 Resp: 423276

Ion Ratio Lower Upper

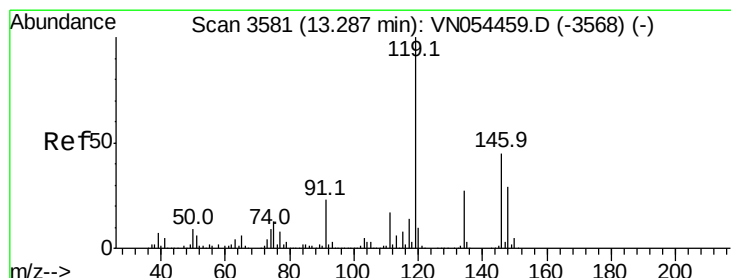
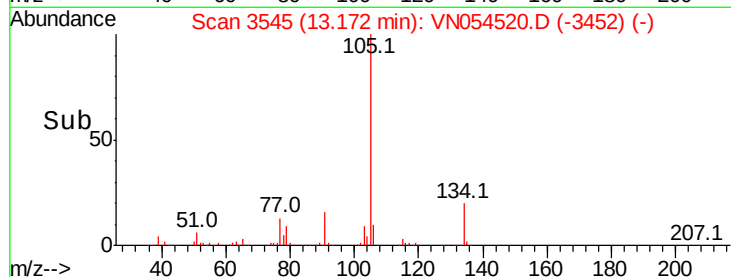
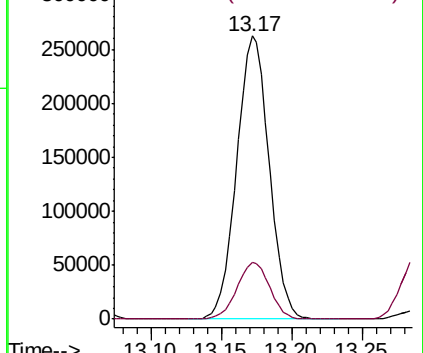
105 100

134 20.0 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

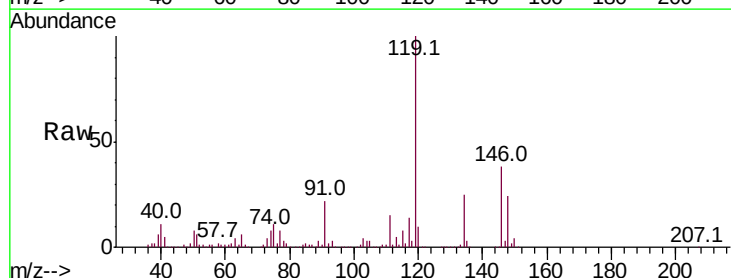
Tgt Ion:119 Resp: 370605

Ion Ratio Lower Upper

119 100

134 25.8 13.6 40.8

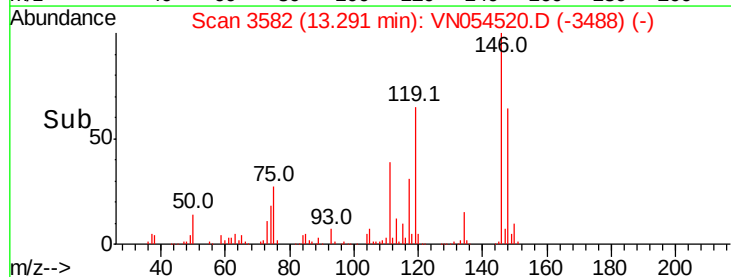
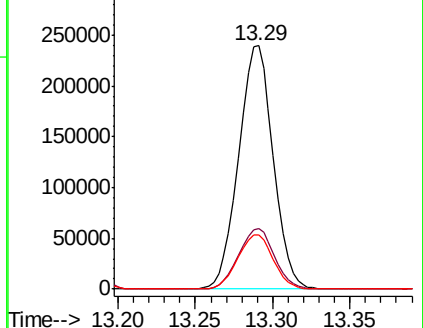
91 23.1 11.1 33.3

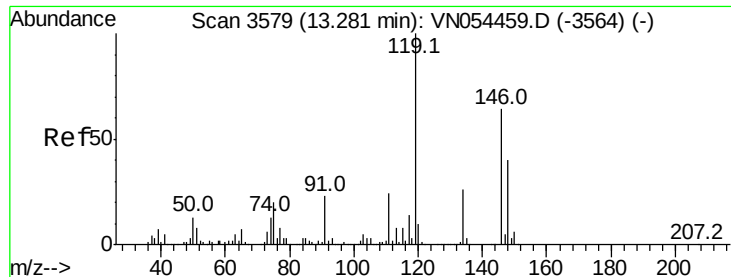


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

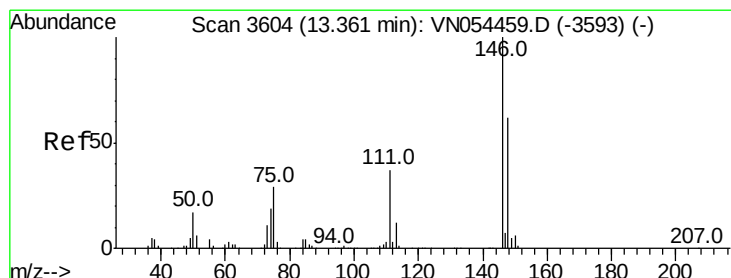
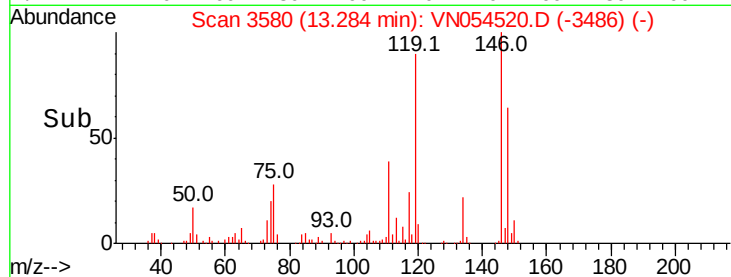
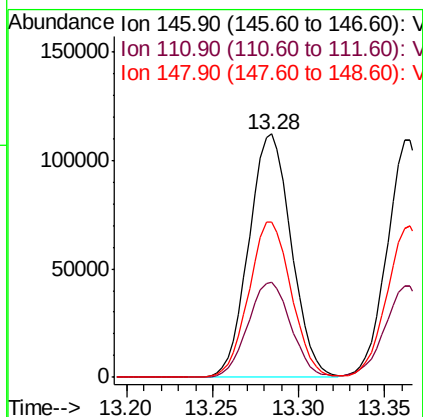
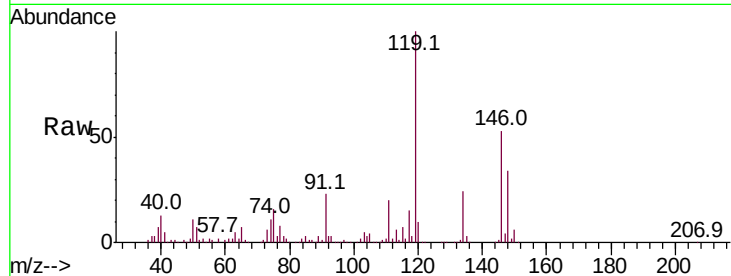




#87
 1,3-Dichlorobenzene
 Concen: 20.418 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

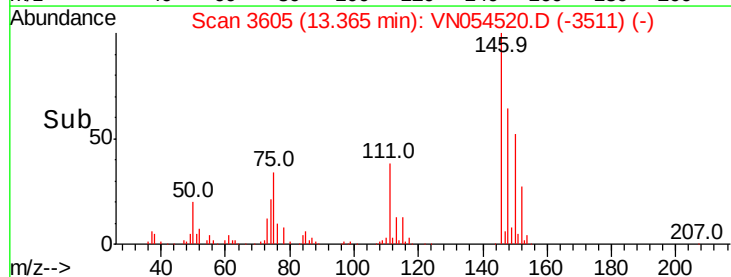
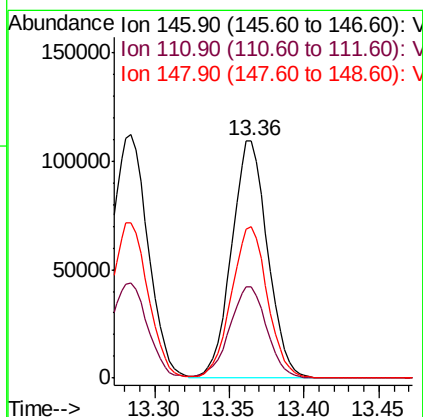
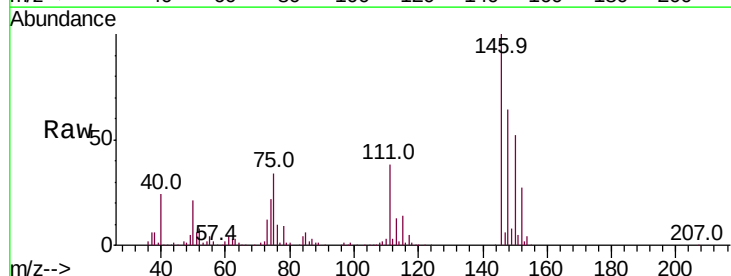
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

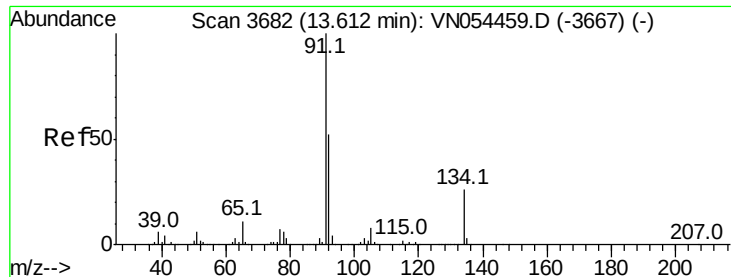
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	63.9	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.1	54.1
148	64.2	32.0	96.0





#89

n-Butylbenzene

Concen: 19.286 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

VN0321WBSD01

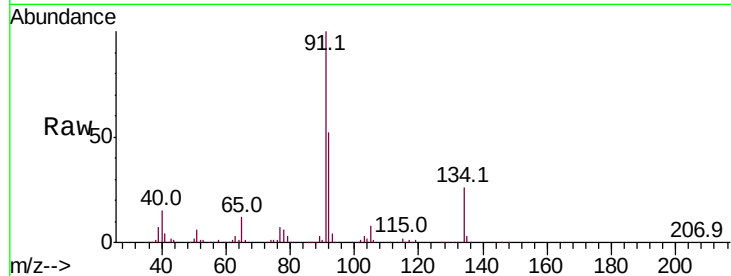
Tot Ion: 91 Resp: 274857

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

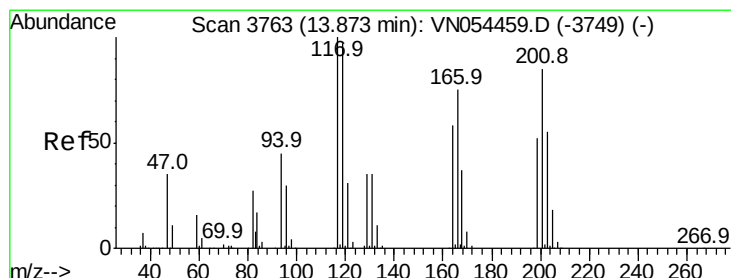
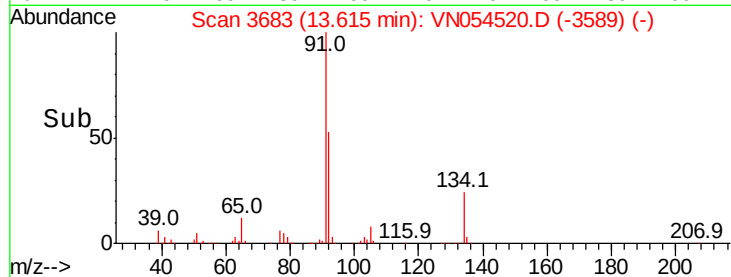
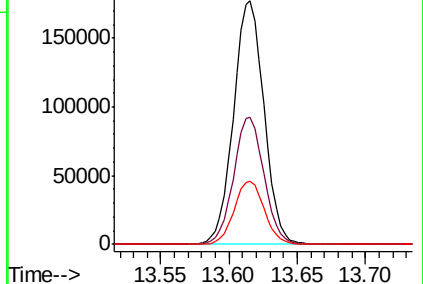
134 25.7 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.414 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054520.D

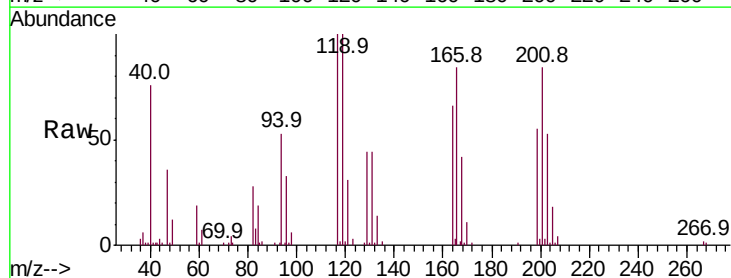
Acq: 21 Mar 2019 19:22

Tgt Ion: 117 Resp: 57753

Ion Ratio Lower Upper

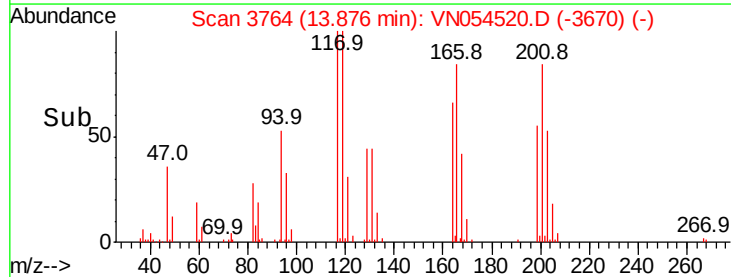
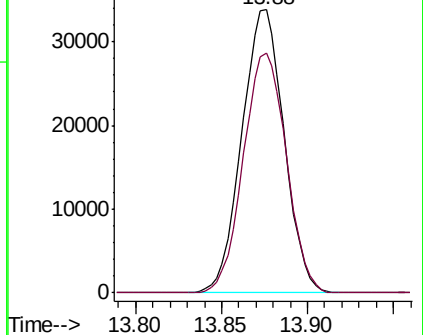
117 100

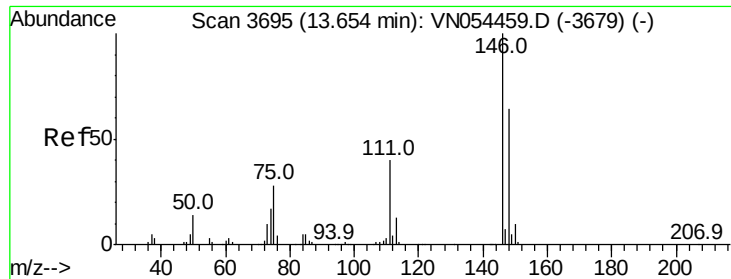
201 86.1 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

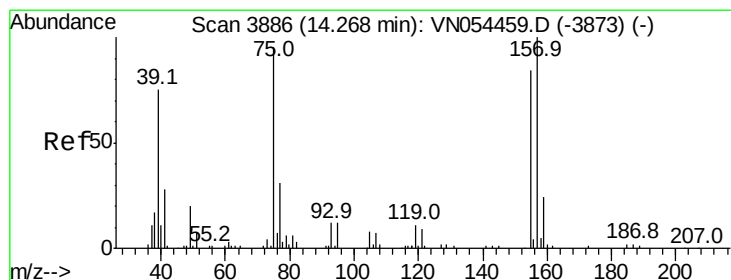
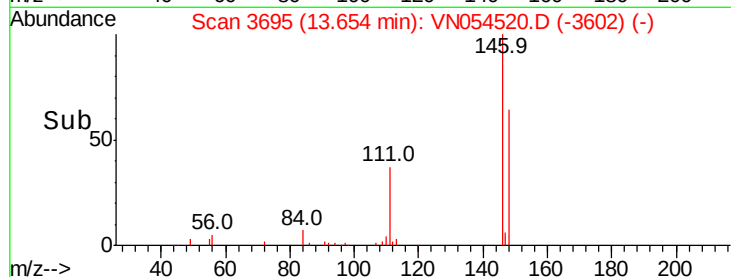
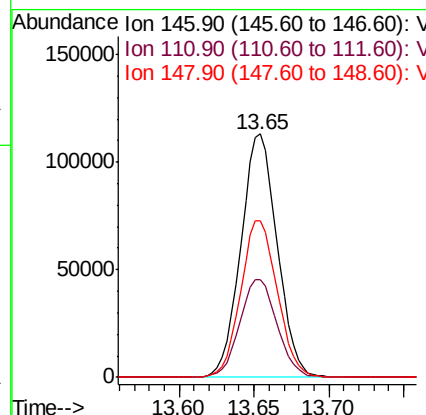
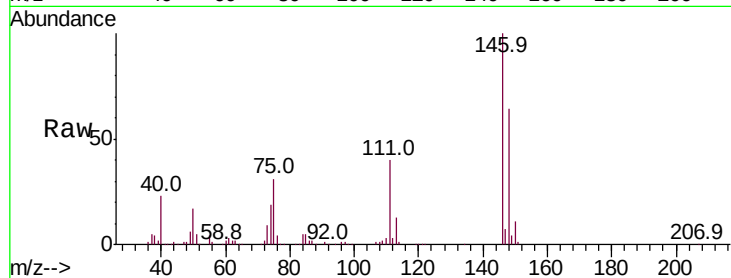




#91
 1,2-Dichlorobenzene
 Concen: 20.961 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

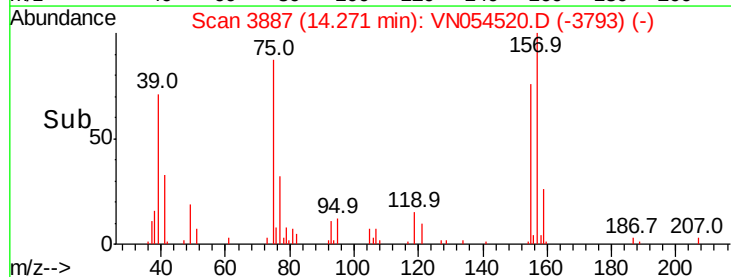
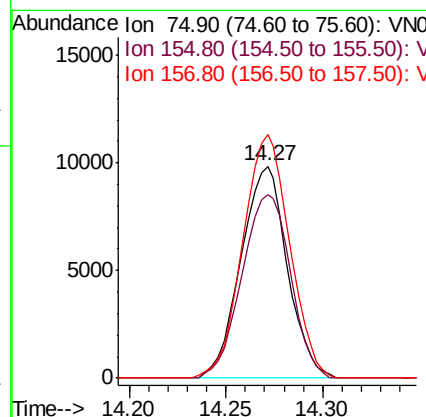
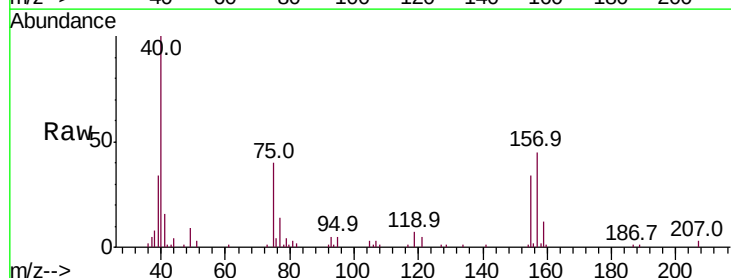
Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBSD01

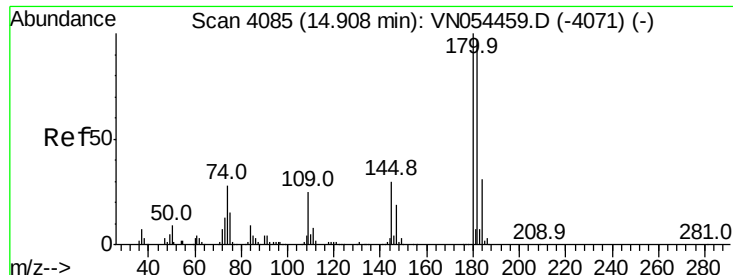
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.3
148	64.8	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.374 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	50.1	150.3
157	116.4	63.1	189.3

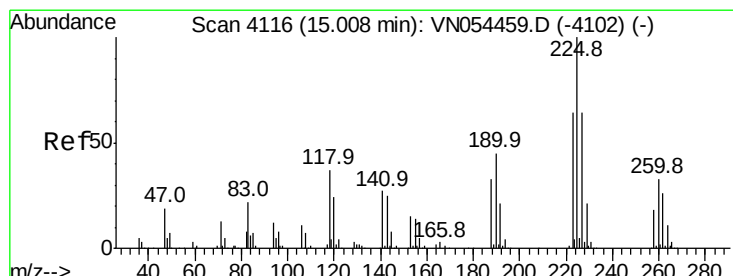
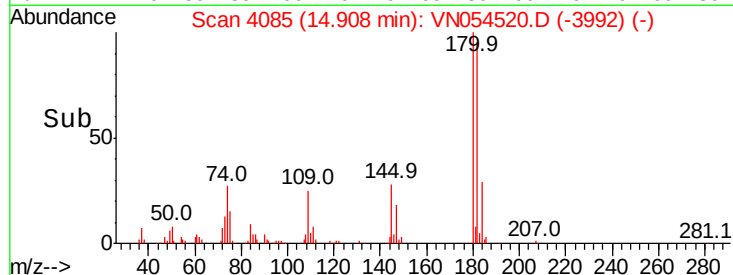
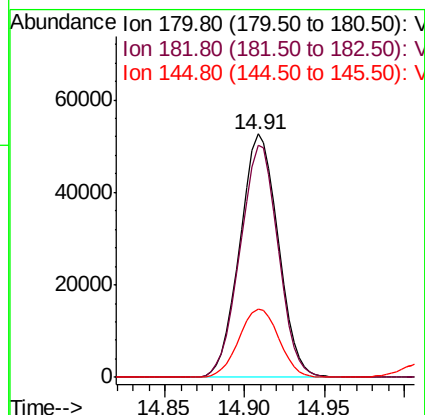
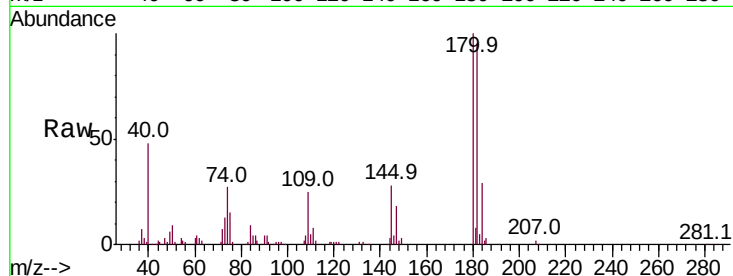




#93
 1,2,4-Trichlorobenzene
 Concen: 18.891 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

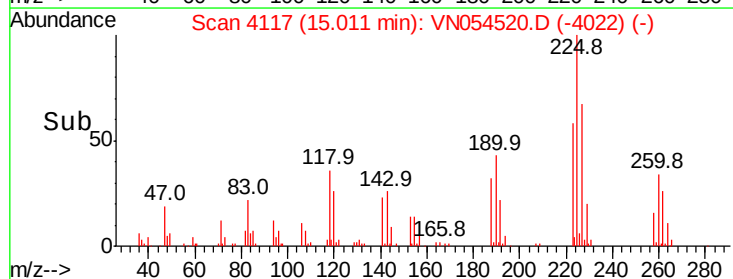
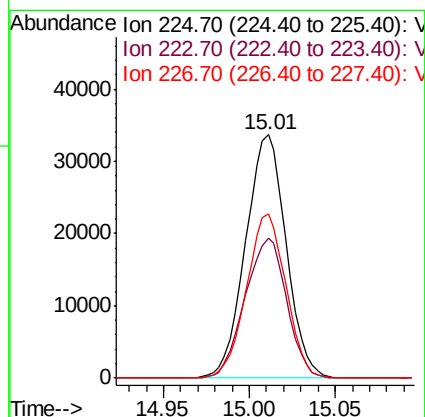
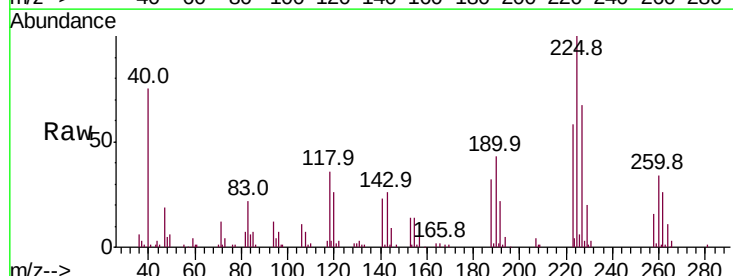
Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBSD01

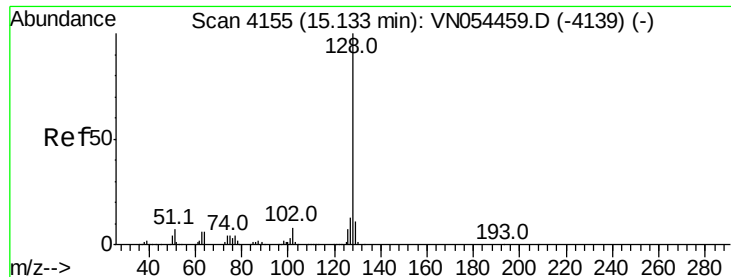
Tot Ion:180 Resp: 85878
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.0 144.2
 145 29.2 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.143 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion:225 Resp: 55229
 Ion Ratio Lower Upper
 225 100
 223 59.0 31.1 93.5
 227 65.5 31.9 95.9

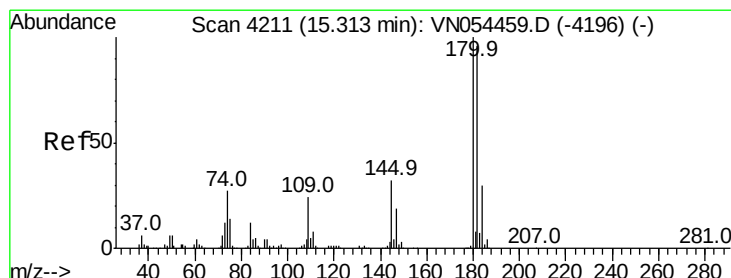
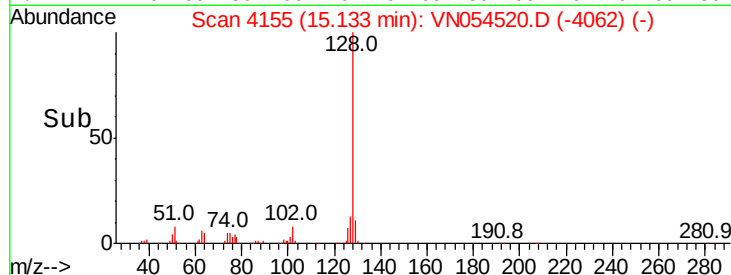
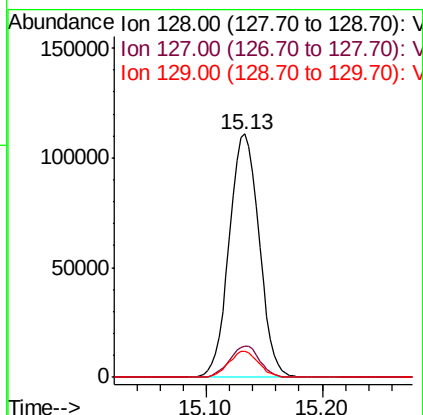
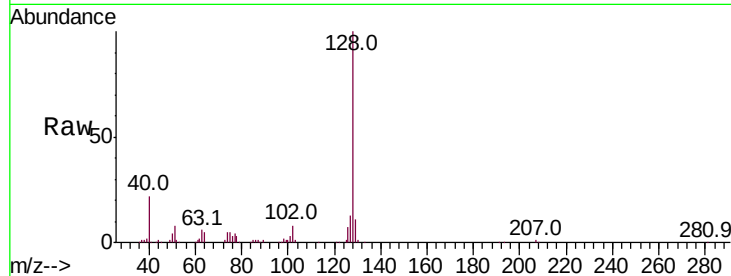




#95
Naphthalene
Concen: 19.590 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion:128 Resp: 198641
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.070 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:180 Resp: 86281
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.6
145 32.0 14.8 44.3

