

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054714.D
 Acq On : 27 Mar 2019 11:46
 Operator : JC/SP
 Sample : VN0327WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:34:41 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	407700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	688552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239841	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	266430	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	210814	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	779206	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	258677	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	80835	20.740	ug/l	98
3) Chloromethane	2.06	50	110677	20.871	ug/l	99
4) Vinyl Chloride	2.19	62	98725	18.543	ug/l	100
5) Bromomethane	2.58	94	57588	16.728	ug/l	95
6) Chloroethane	2.71	64	57043	17.863	ug/l	98
7) Trichlorofluoromethane	3.03	101	127766	19.761	ug/l	98
8) Diethyl Ether	3.41	74	42290	17.007	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	67713	17.820	ug/l	96
10) Methyl Iodide	3.95	142	97016	17.356	ug/l #	87
11) Tert butyl alcohol	4.82	59	29168	95.004	ug/l	97
12) 1,1-Dichloroethene	3.73	96	66372	16.878	ug/l #	78
13) Acrolein	3.61	56	45385	107.119	ug/l	94
14) Allyl chloride	4.32	41	151349	20.439	ug/l #	92
15) Acrylonitrile	5.00	53	163420	106.886	ug/l	98
16) Acetone	3.82	43	125551	82.348	ug/l #	82
17) Carbon Disulfide	4.04	76	169226	16.061	ug/l	100
18) Methyl Acetate	4.33	43	77796	22.893	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	232710	20.277	ug/l	93
20) Methylene Chloride	4.55	84	92391	20.557	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	81246	20.233	ug/l #	82
22) Diisopropyl ether	5.96	45	323639	22.158	ug/l #	94
23) Vinyl Acetate	5.90	43	1103681	106.988	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	171210	21.770	ug/l	98
25) 2-Butanone	6.85	43	196293	100.505	ug/l #	86
26) 2,2-Dichloropropane	6.82	77	115088	20.529	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	98651	20.597	ug/l	88
28) Bromochloromethane	7.19	49	91200	23.559	ug/l #	72
29) Tetrahydrofuran	7.22	42	134254	105.928	ug/l #	84
30) Chloroform	7.37	83	165827	21.606	ug/l	99
31) Cyclohexane	7.65	56	159268	20.021	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	134800	21.289	ug/l	95
36) 1,1-Dichloropropene	7.79	75	120905	18.780	ug/l	95
37) Ethyl Acetate	6.94	43	87121	19.026	ug/l #	77
38) Carbon Tetrachloride	7.77	117	115852	18.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130633	17.738	ug/l	90
40) Benzene	8.04	78	362968	19.716	ug/l	99
41) Methacrylonitrile	7.18	41	37990	13.604	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	130957	19.533	ug/l	97
43) Isopropyl Acetate	8.17	43	149758	19.366	ug/l #	93
44) Trichloroethene	8.83	130	93904	18.347	ug/l	95
45) 1,2-Dichloropropane	9.12	63	103490	20.935	ug/l	97
46) Dibromomethane	9.21	93	57001	19.328	ug/l	89
47) Bromodichloromethane	9.40	83	119666	19.552	ug/l	96
48) Methyl methacrylate	9.20	41	77721	18.517	ug/l	88
49) 1,4-Dioxane	9.20	88	16165	344.499	ug/l #	78
51) 4-Methyl-2-Pentanone	9.99	43	423286	98.766	ug/l	92
52) Toluene	10.16	92	236200	20.860	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	108237	18.248	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	138900	19.793	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	81436	20.008	ug/l	97
56) Ethyl methacrylate	10.43	69	103692	18.981	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	142743	20.175	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	182580	81.163	ug/l #	89
59) 2-Hexanone	10.75	43	258357	92.290	ug/l	91
60) Dibromochloromethane	10.90	129	79779	18.420	ug/l	100
61) 1,2-Dibromoethane	11.00	107	76361	18.977	ug/l	99
64) Tetrachloroethene	10.63	164	85411	17.596	ug/l	95
65) Chlorobenzene	11.43	112	230316	19.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84594	19.802	ug/l	98
67) Ethyl Benzene	11.51	91	405843	19.303	ug/l	99
68) m/p-Xylenes	11.62	106	300684	37.758	ug/l	95
69) o-Xylene	11.95	106	145656	18.729	ug/l	95
70) Styrene	11.96	104	240975	19.080	ug/l	97
71) Bromoform	12.13	173	43755	16.417	ug/l #	98
73) Isopropylbenzene	12.25	105	392486	20.308	ug/l	98
74) N-amyl acetate	12.07	43	118814	21.380	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	96328	21.834	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	110963	29.155	ug/l #	100
77) Bromobenzene	12.53	156	94805	19.779	ug/l	85
78) n-propylbenzene	12.59	91	425292	20.293	ug/l	97
79) 2-Chlorotoluene	12.67	91	265360	20.305	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	320399	20.227	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	16384	17.071	ug/l #	71
82) 4-Chlorotoluene	12.77	91	253105	19.980	ug/l	95
83) tert-Butylbenzene	12.99	119	275778	20.001	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	312804	20.126	ug/l	96
85) sec-Butylbenzene	13.17	105	342782	19.943	ug/l	98
86) p-Isopropyltoluene	13.29	119	299118	19.452	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	153592	19.336	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	148719	19.243	ug/l	98
89) n-Butylbenzene	13.61	91	228531	19.006	ug/l	98
90) Hexachloroethane	13.87	117	46952	19.671	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	153985	20.014	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12938	19.993	ug/l	83

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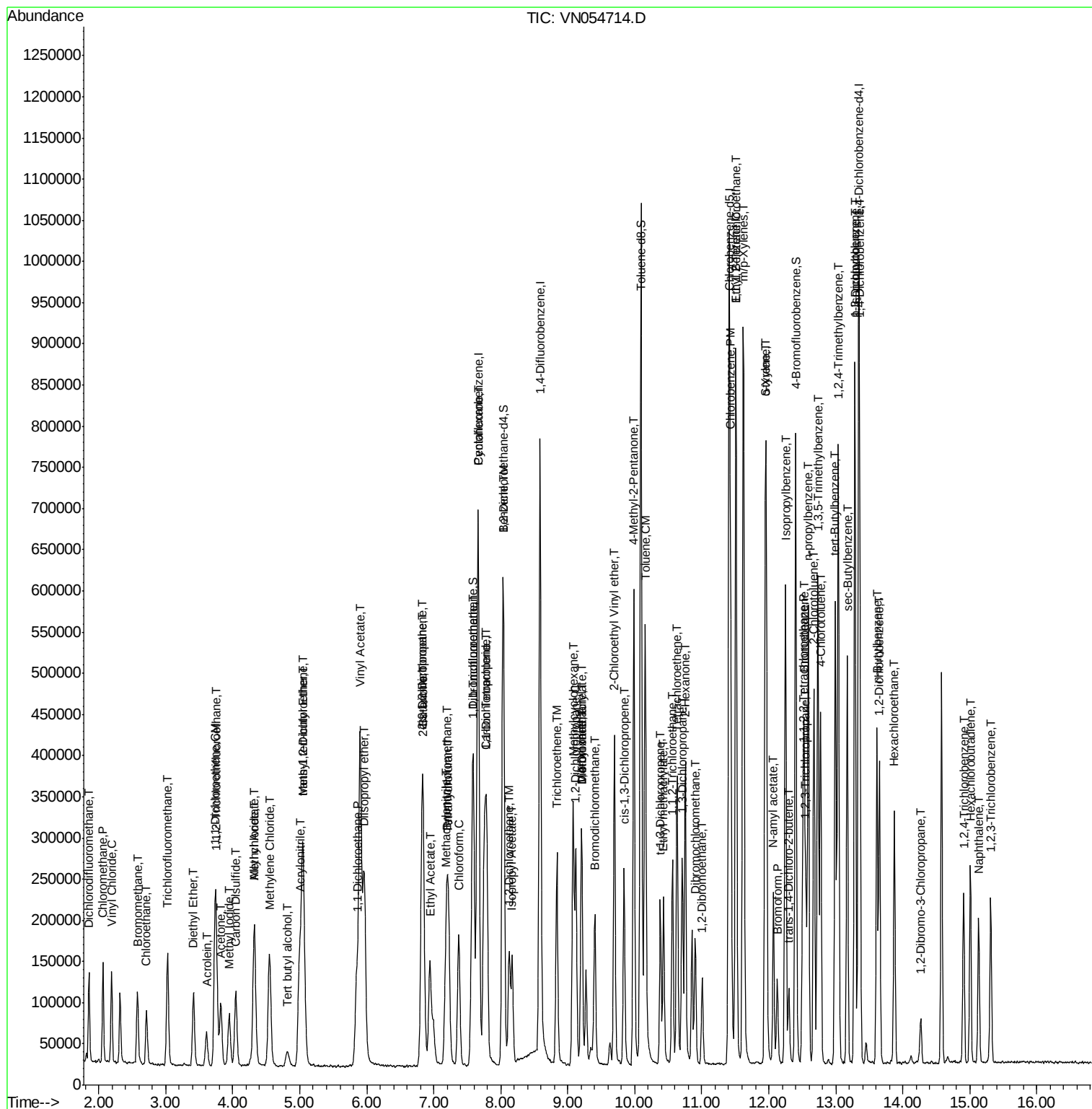
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66932	17.451	ug/l	99
94) Hexachlorobutadiene	15.01	225	46960	20.321	ug/l	99
95) Naphthalene	15.13	128	147668	17.261	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	67407	17.658	ug/l	97

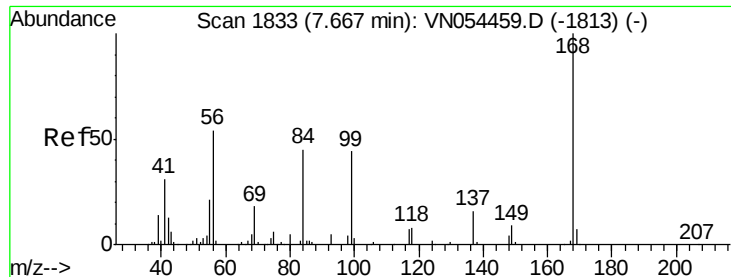
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

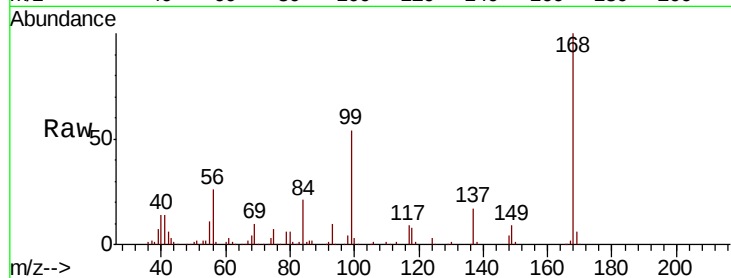
ClientSampleId :

Tot Ion:168 Resp: 407700

Ion Ratio Lower Upper

168 100

99 53.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

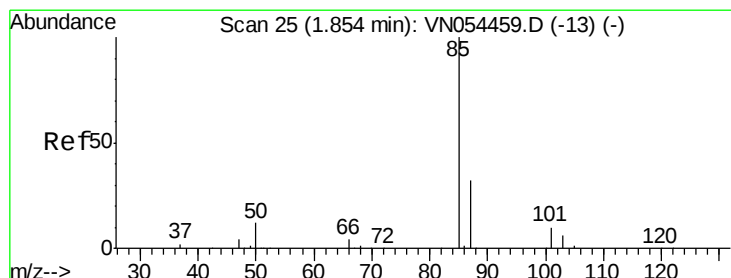
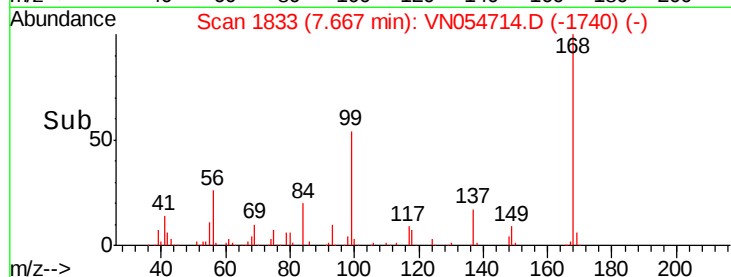
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054714.D

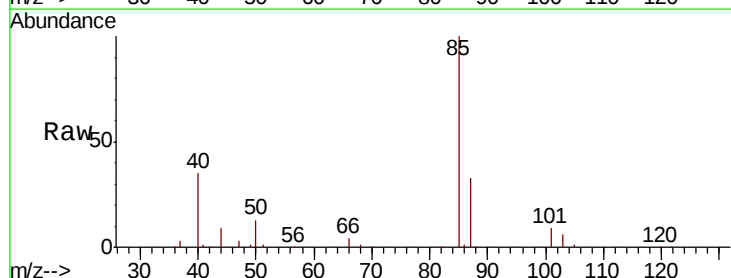
Acq: 27 Mar 2019 11:46

Tgt Ion: 85 Resp: 80835

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

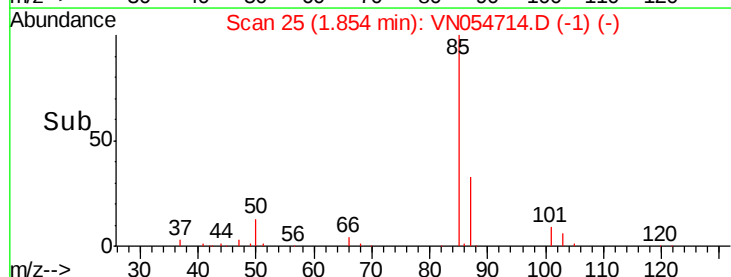
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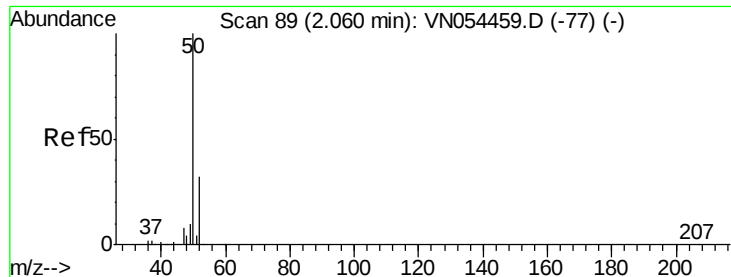
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20000

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Time-->





#3

Chloromethane

Concen: 20.871 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

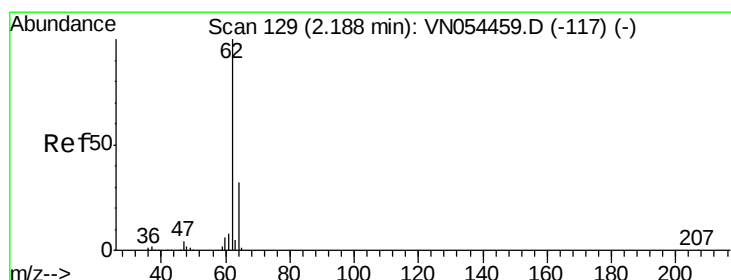
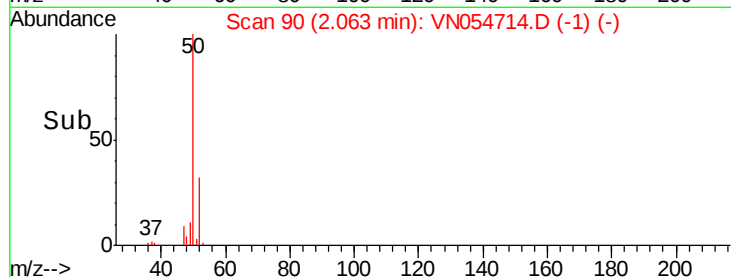
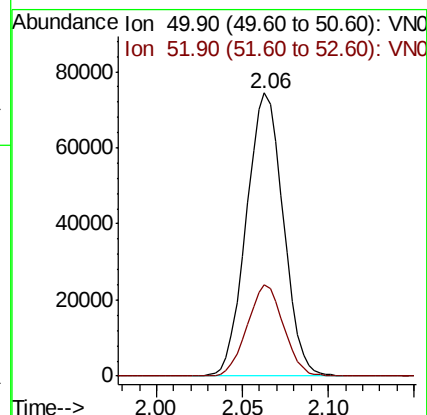
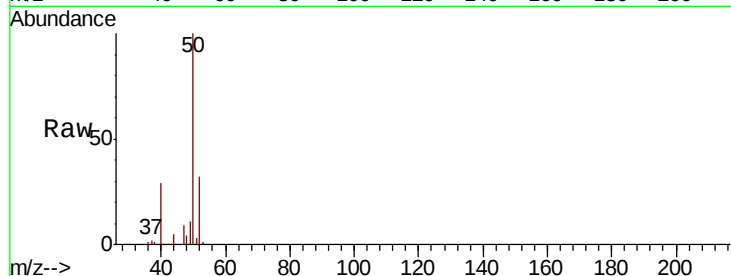
ClientSampleId :

Tot Ion: 50 Resp: 110677

Ion Ratio Lower Upper

50 100

52 32.2 26.4 39.6



#4

Vinyl Chloride

Concen: 18.543 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054714.D

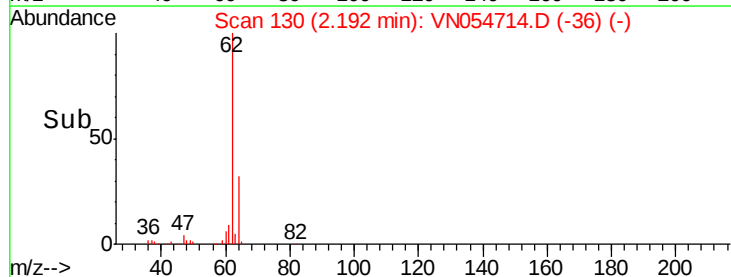
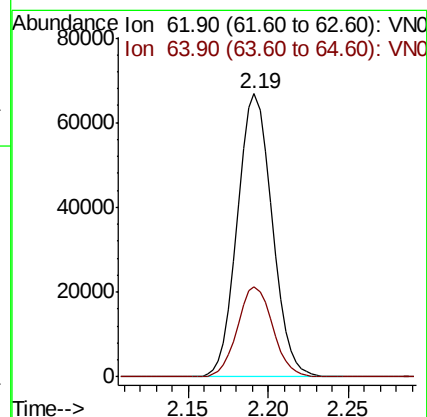
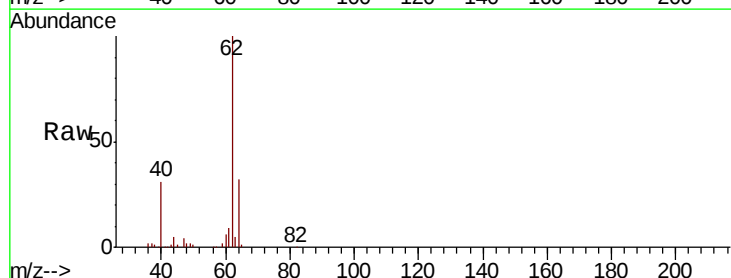
Acq: 27 Mar 2019 11:46

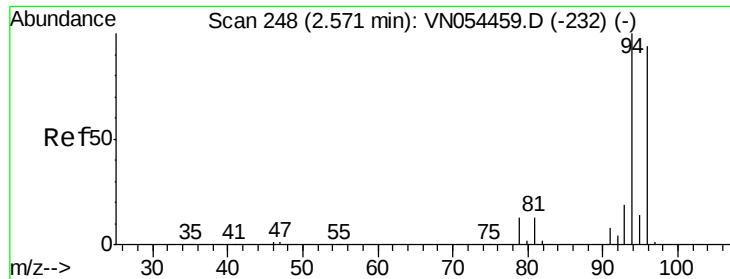
Tgt Ion: 62 Resp: 98725

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 16.728 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

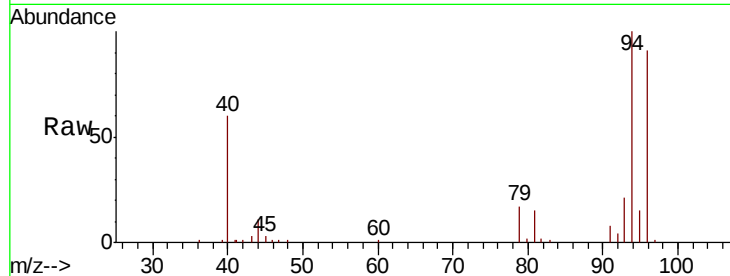
ClientSampleId :

Tot Ion: 94 Resp: 57588

Ion Ratio Lower Upper

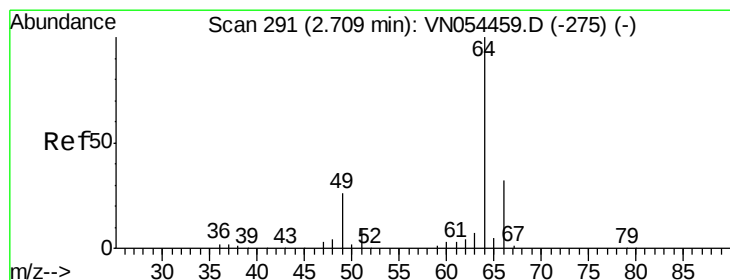
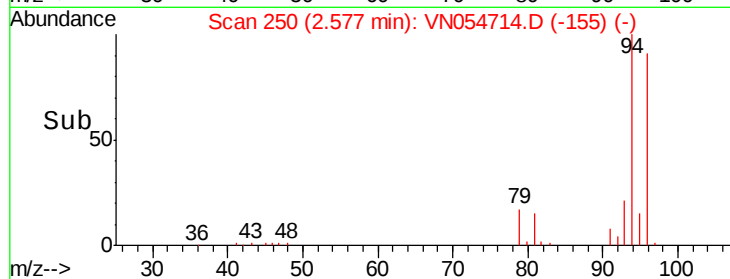
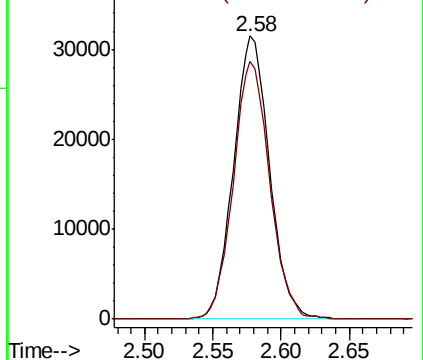
94 100

96 90.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.863 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054714.D

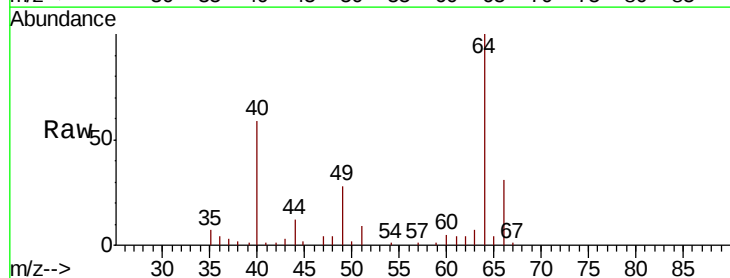
Acq: 27 Mar 2019 11:46

Tgt Ion: 64 Resp: 57043

Ion Ratio Lower Upper

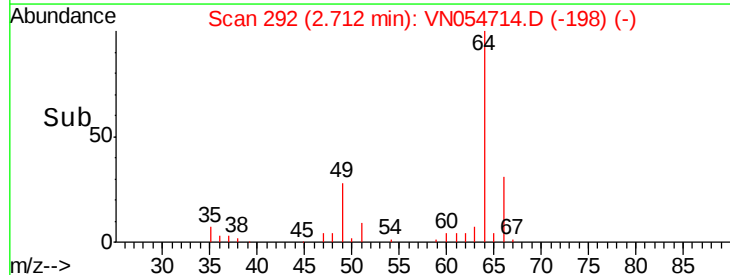
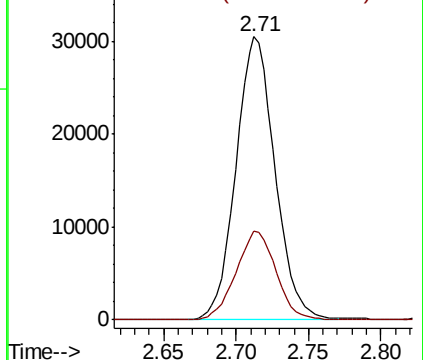
64 100

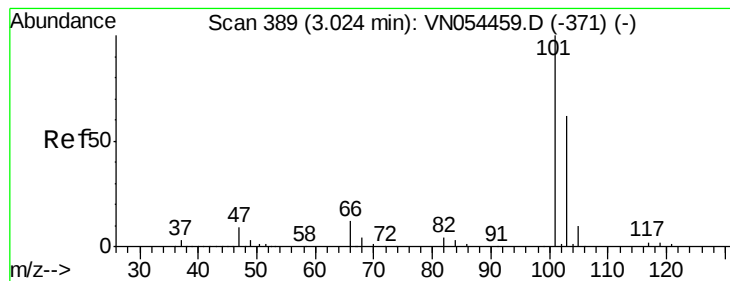
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



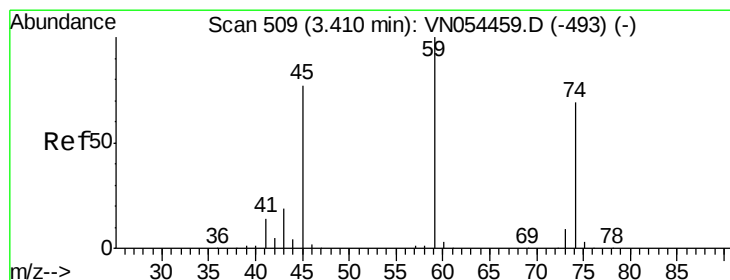
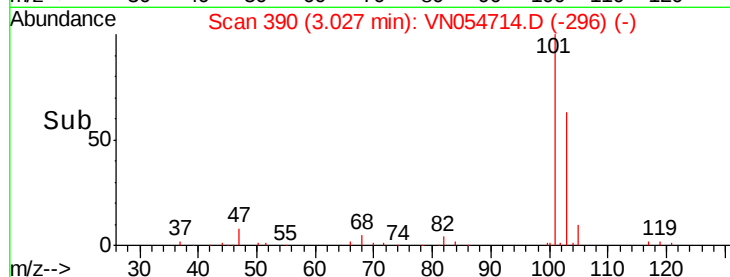
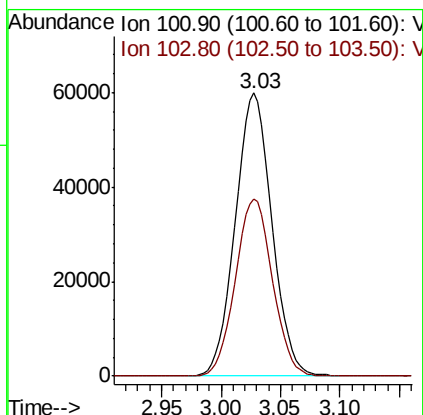
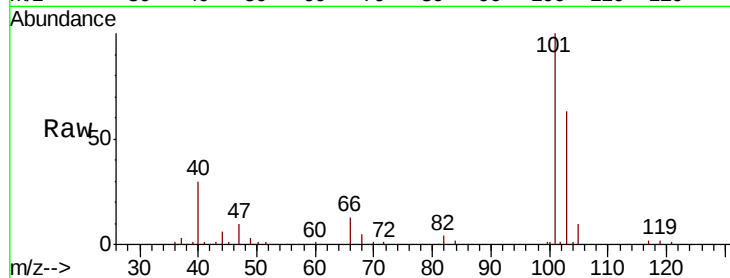


#7

Trichlorofluoromethane
Concen: 19.761 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

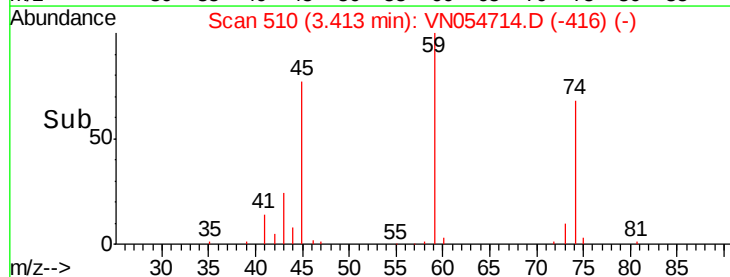
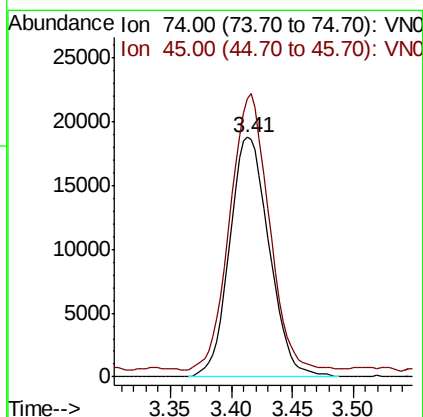
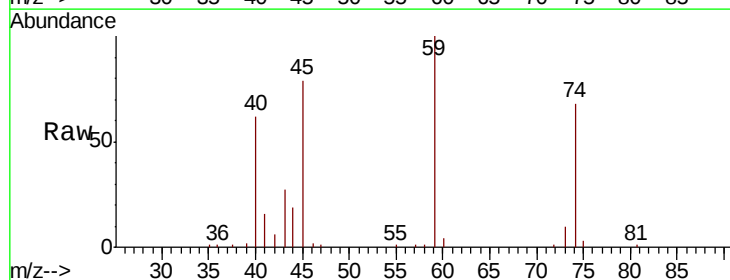
Tot Ion:101 Resp: 127766
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2

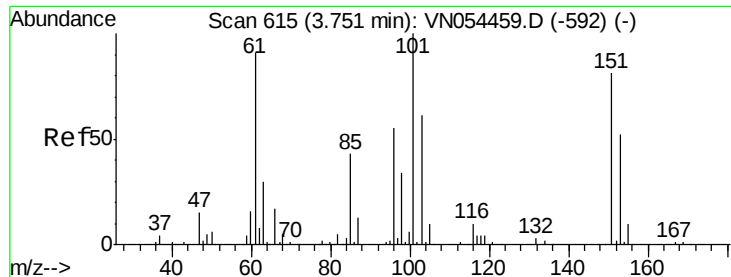


#8

Diethyl Ether
Concen: 17.007 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 74 Resp: 42290
Ion Ratio Lower Upper
74 100
45 114.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.820 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

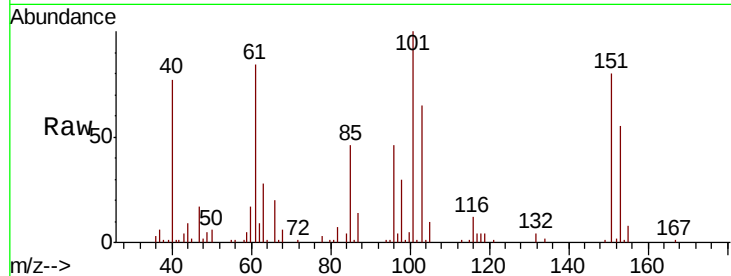
Tot Ion:101 Resp: 67713

Ion Ratio Lower Upper

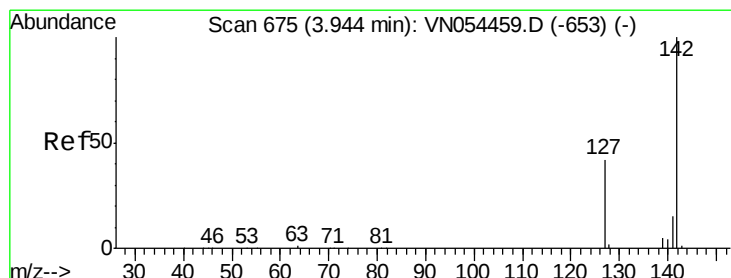
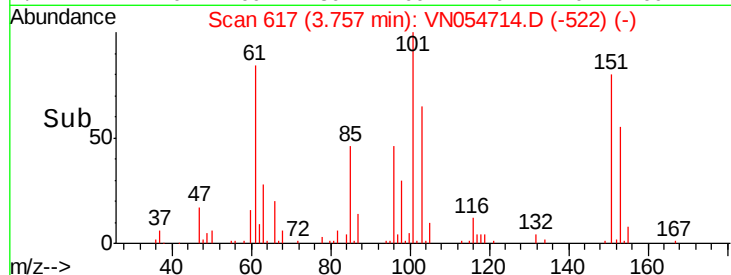
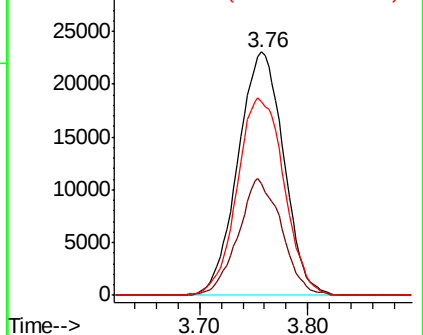
101 100

85 45.5 32.4 48.6

151 83.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.356 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

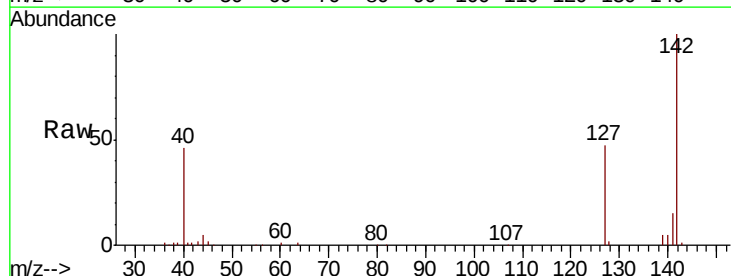
Tgt Ion:142 Resp: 97016

Ion Ratio Lower Upper

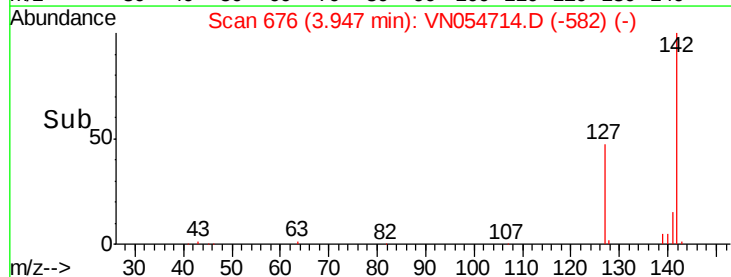
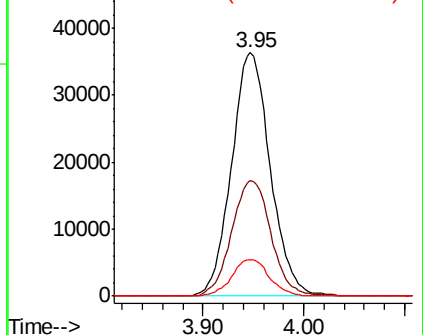
142 100

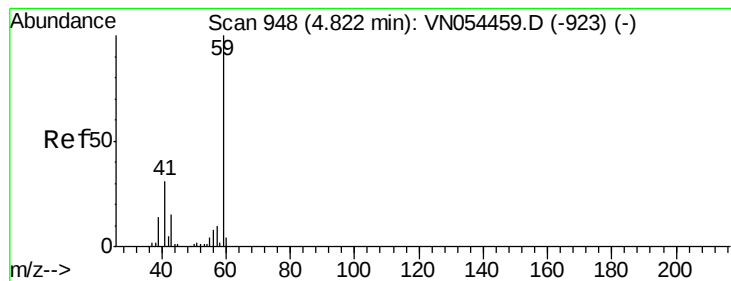
127 48.0 30.3 45.5#

141 14.5 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



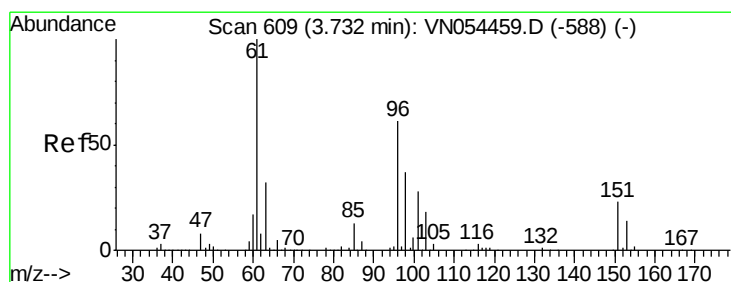
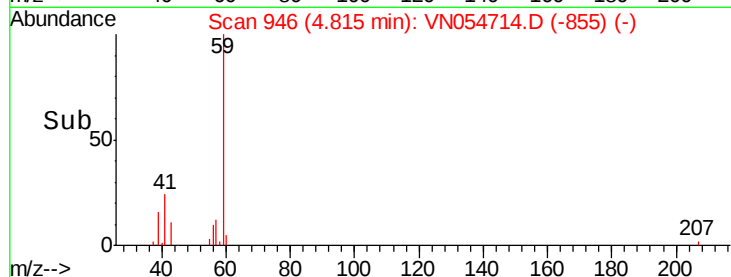
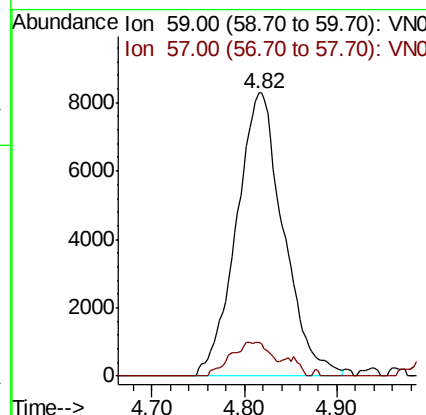
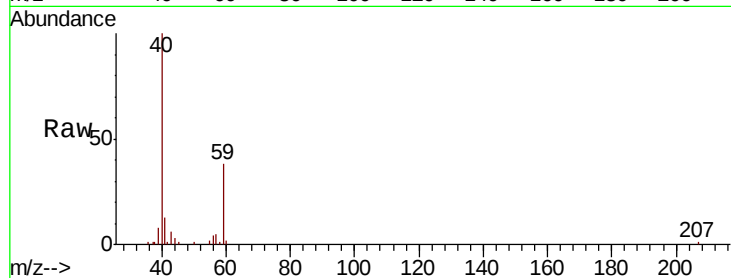


#11

Tert butyl alcohol
 Concen: 95.004 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

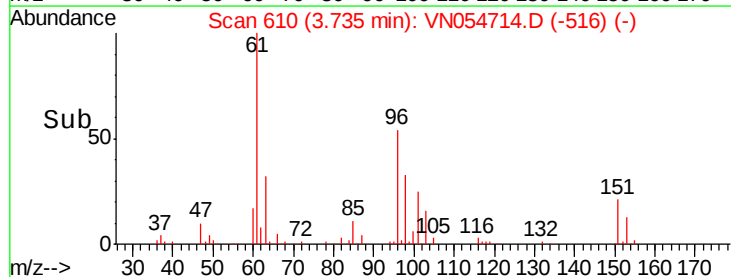
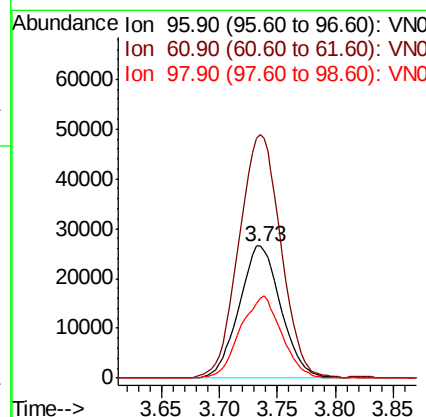
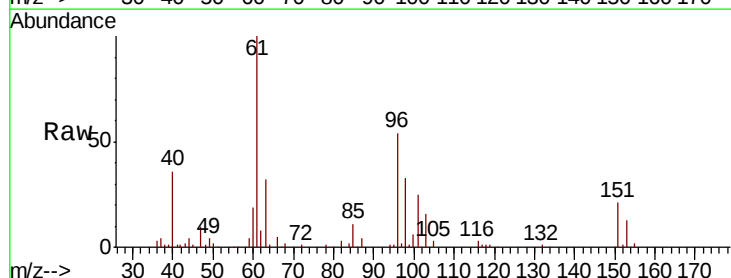
Tot Ion: 59 Resp: 29168
 Ion Ratio Lower Upper
 59 100
 57 10.2 9.0 13.6

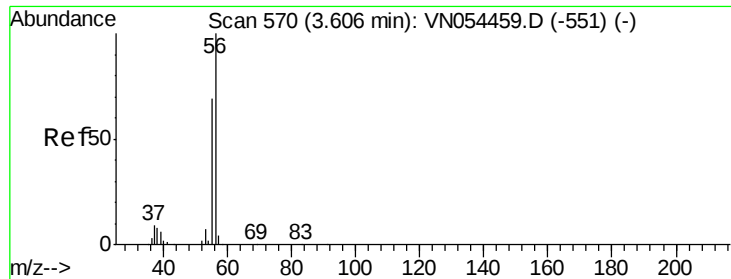


#12

1,1-Dichloroethene
 Concen: 16.878 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion: 96 Resp: 66372
 Ion Ratio Lower Upper
 96 100
 61 183.7 116.5 174.7#
 98 60.8 51.0 76.4





#13

Acrolein

Concen: 107.119 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

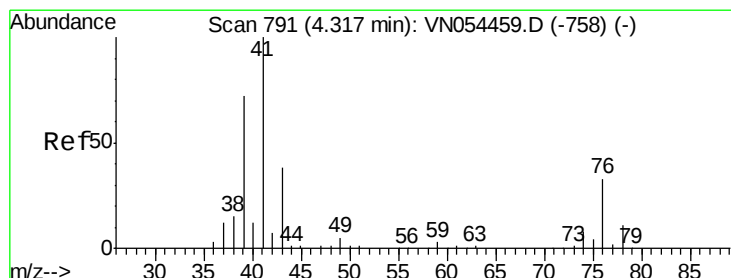
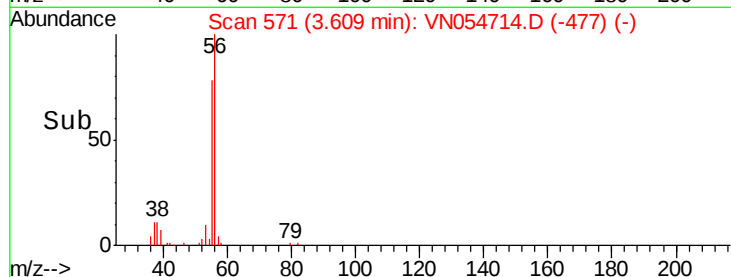
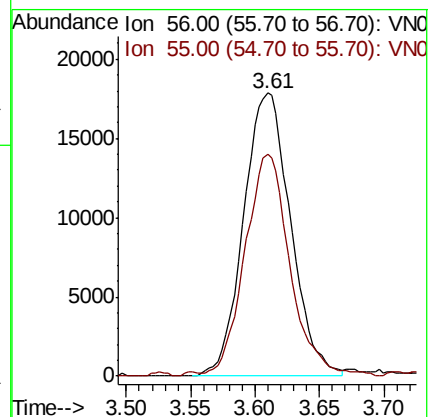
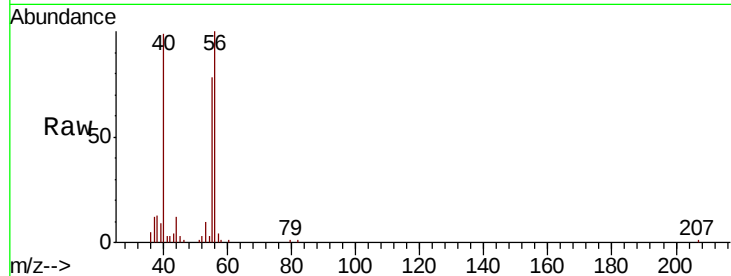
ClientSampleId :

Tot Ion: 56 Resp: 45385

Ion Ratio Lower Upper

56 100

55 75.4 56.7 85.1



#14

Allyl chloride

Concen: 20.439 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

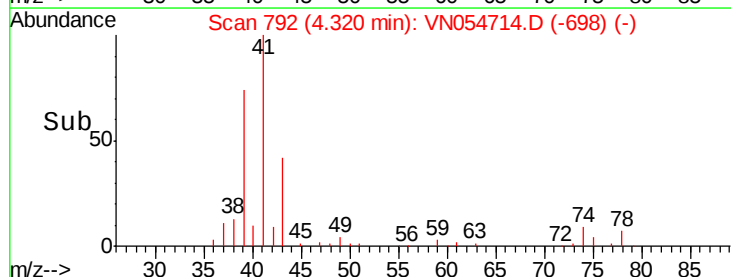
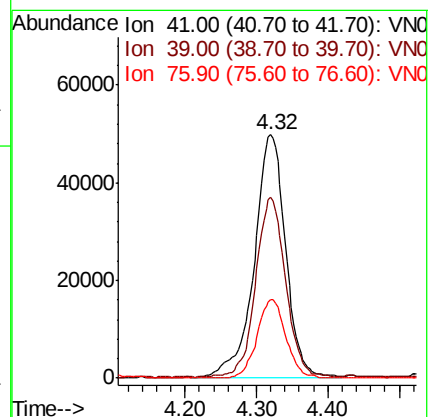
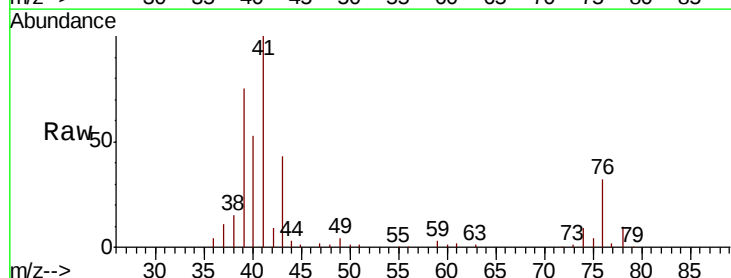
Tgt Ion: 41 Resp: 151349

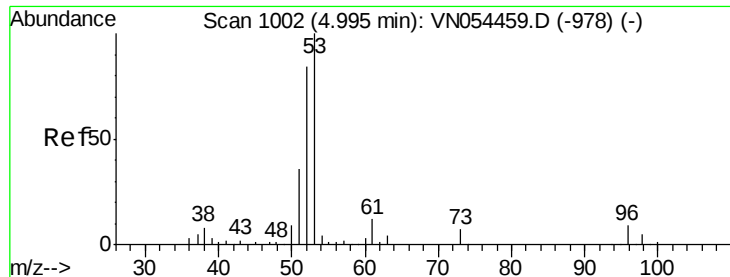
Ion Ratio Lower Upper

41 100

39 69.3 58.2 87.4

76 29.5 31.7 47.5#





#15

Acrylonitrile

Concen: 106.886 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

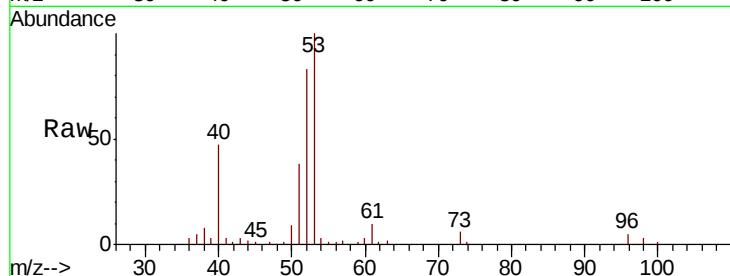
Tot Ion: 53 Resp: 163420

Ion Ratio Lower Upper

53 100

52 81.1 66.4 99.6

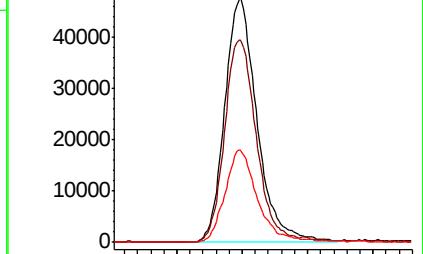
51 37.5 29.6 44.4



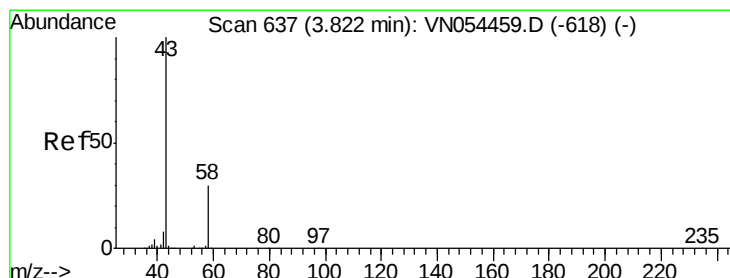
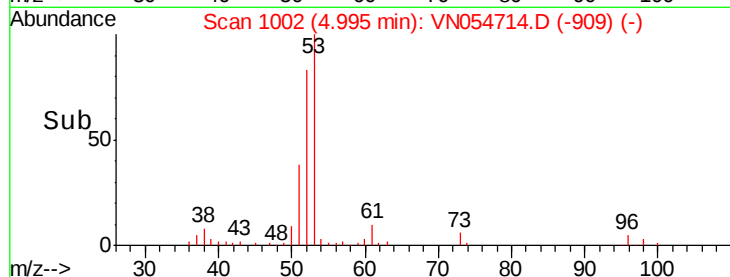
Abundance Ion 53.00 (52.70 to 53.70): VN054714.D (-909) (-)

Ion 52.00 (51.70 to 52.70): VN054714.D (-909) (-)

Ion 51.00 (50.70 to 51.70): VN054714.D (-909) (-)



Time-->



#16

Acetone

Concen: 82.348 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054714.D

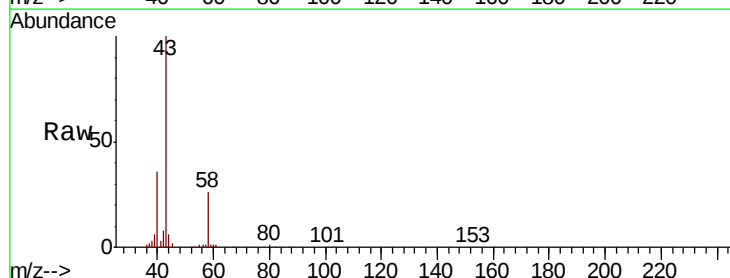
Acq: 27 Mar 2019 11:46

Tgt Ion: 43 Resp: 125551

Ion Ratio Lower Upper

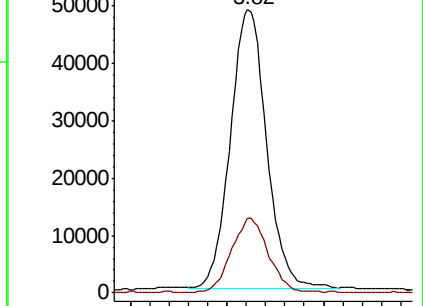
43 100

58 26.8 29.9 44.9#

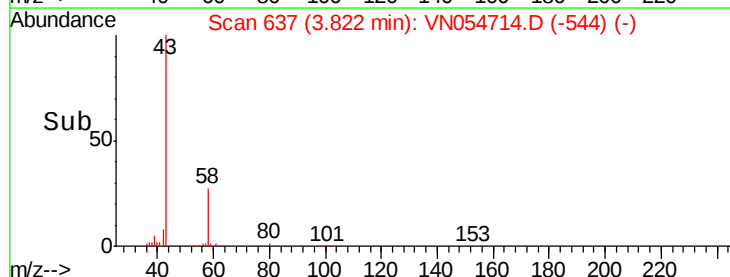


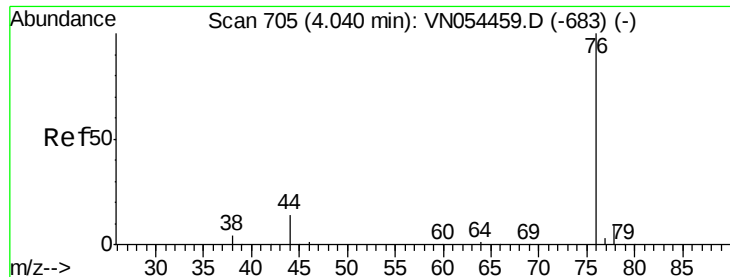
Abundance Ion 43.00 (42.70 to 43.70): VN054714.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054714.D (-544) (-)



Time-->





#17

Carbon Disulfide

Concen: 16.061 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

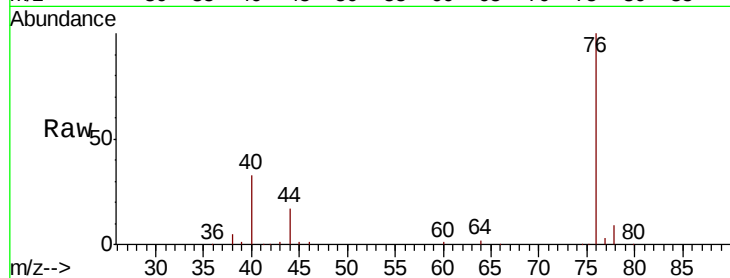
ClientSampled :

Tot Ion: 76 Resp: 169226

Ion Ratio Lower Upper

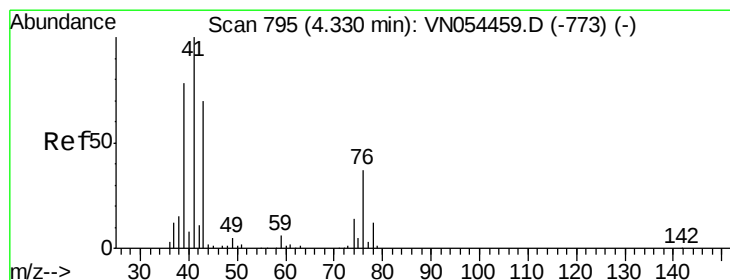
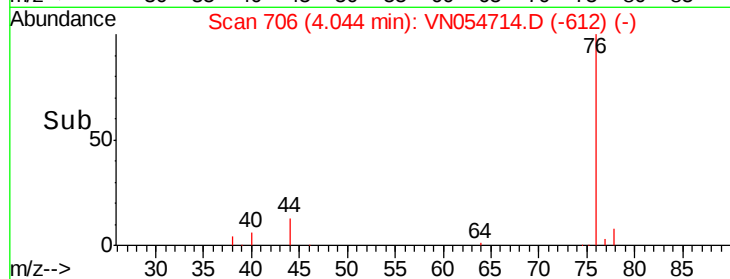
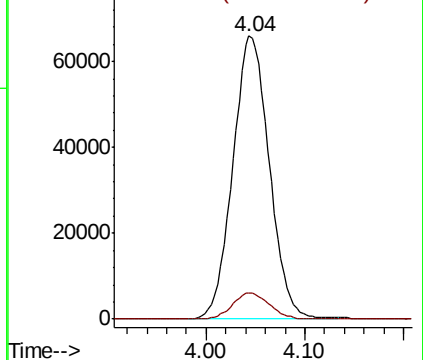
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.893 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054714.D

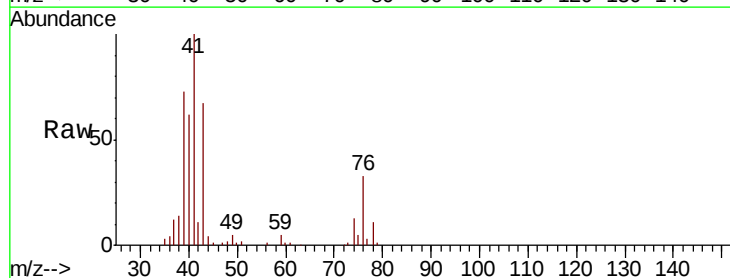
Acq: 27 Mar 2019 11:46

Tgt Ion: 43 Resp: 77796

Ion Ratio Lower Upper

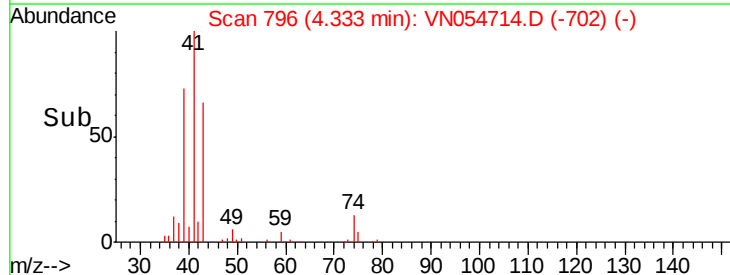
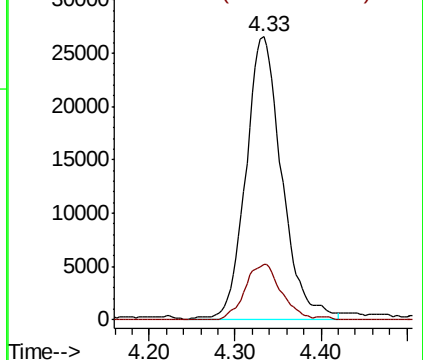
43 100

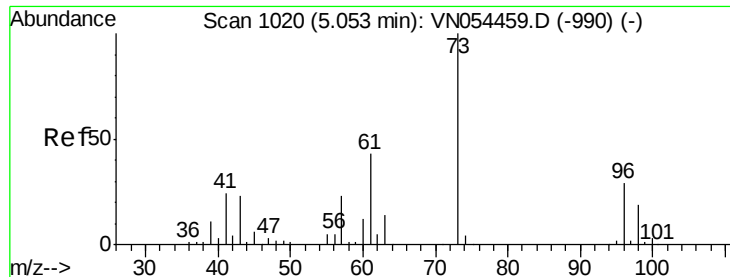
74 19.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

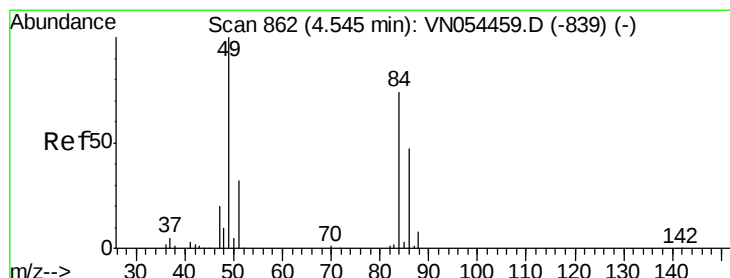
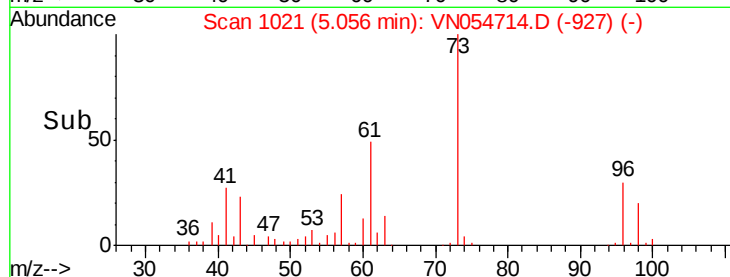
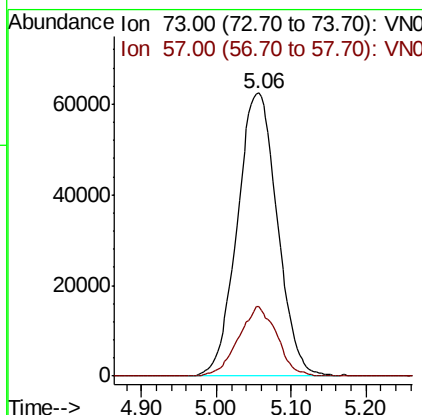
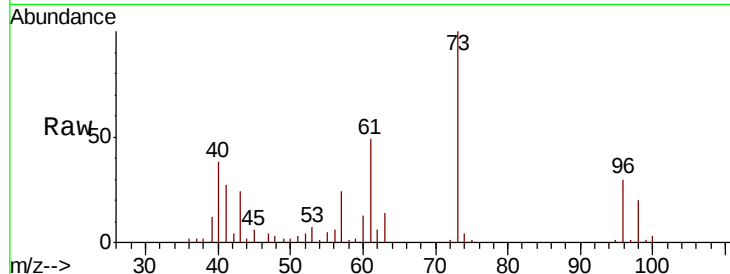




#19
Methvl tert-butvl Ether
Concen: 20.277 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

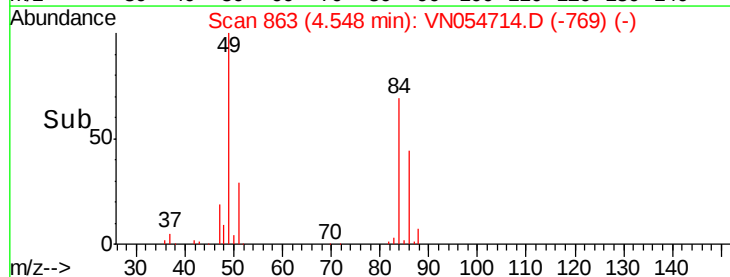
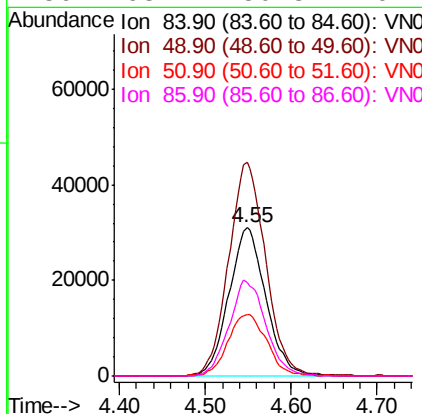
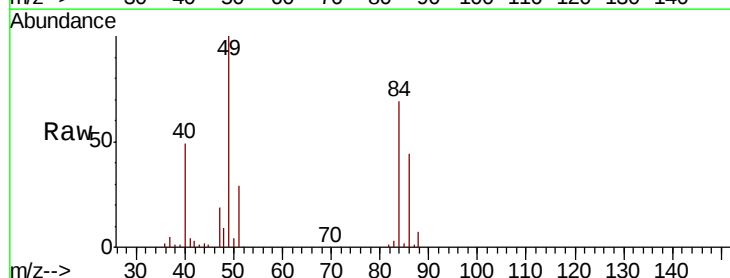
Instrument :
MSVOA_N
ClientSampleId :

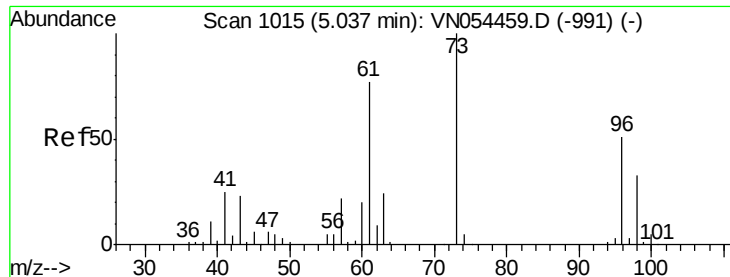
Tot Ion: 73 Resp: 232710
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2



#20
Methylene Chloride
Concen: 20.557 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 84 Resp: 92391
Ion Ratio Lower Upper
84 100
49 143.9 89.7 134.5#
51 41.8 28.2 42.4
86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.233 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

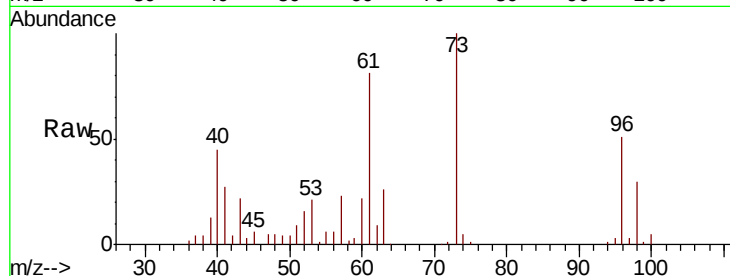
Tot Ion: 96 Resp: 81246

Ion Ratio Lower Upper

96 100

61 155.9 102.8 154.2#

98 58.1 50.0 75.0

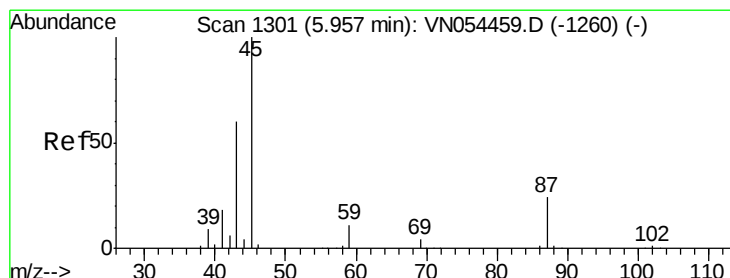
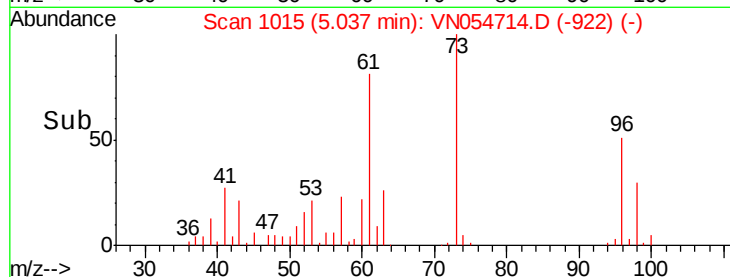
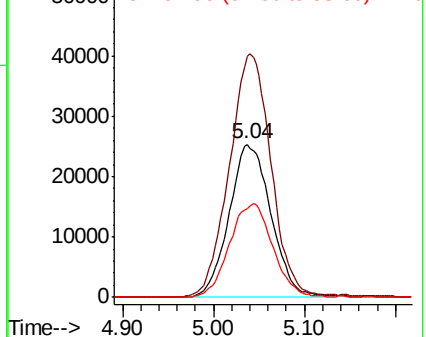


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 22.158 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion: 45 Resp: 323639

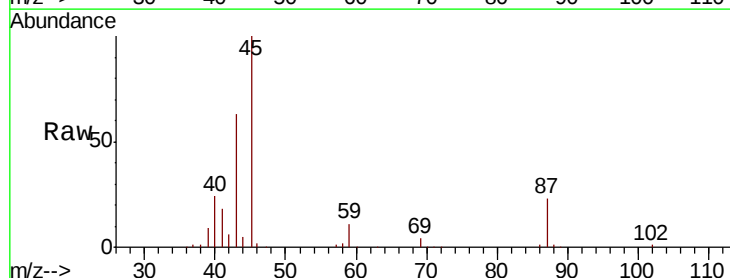
Ion Ratio Lower Upper

45 100

43 61.6 48.2 72.2

87 22.6 24.9 37.3#

59 10.6 9.5 14.3



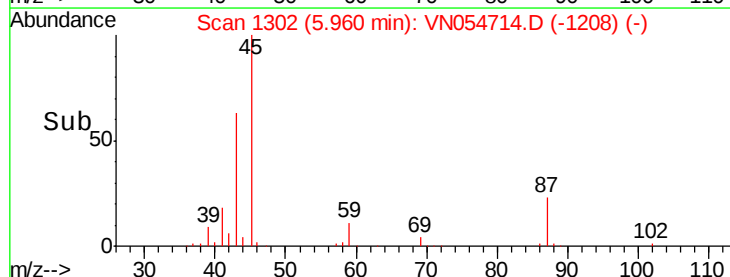
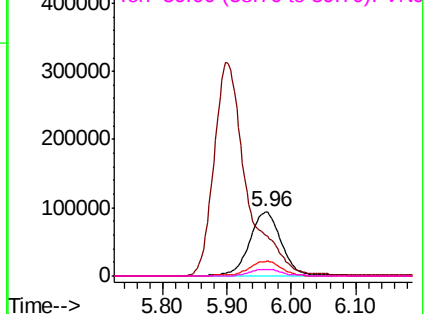
Abundance

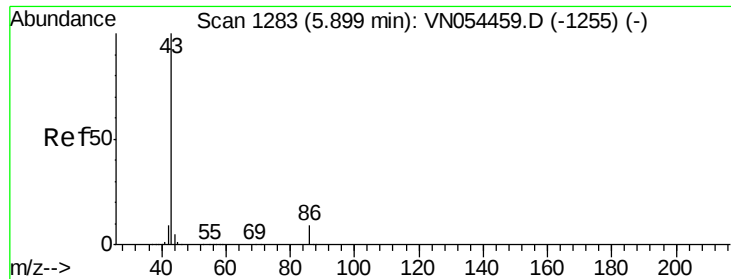
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 106.988 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

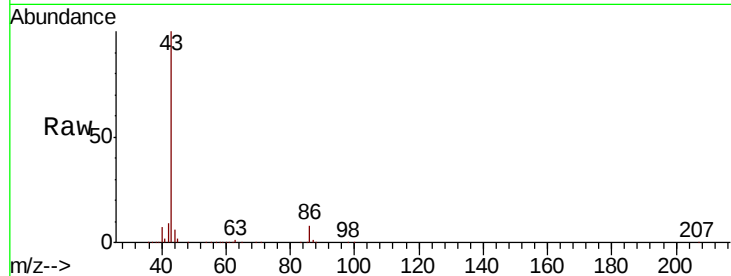
ClientSampleId :

Tot Ion: 43 Resp: 1103681

Ion Ratio Lower Upper

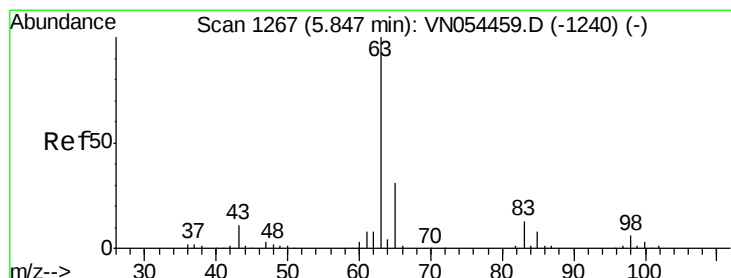
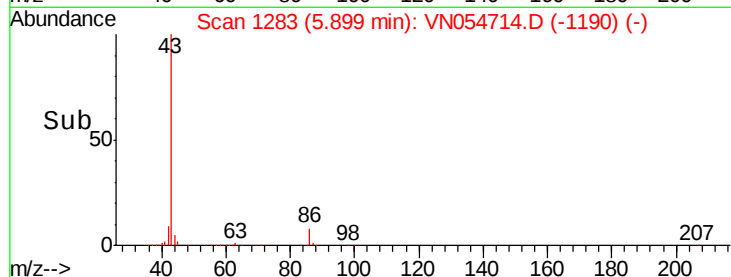
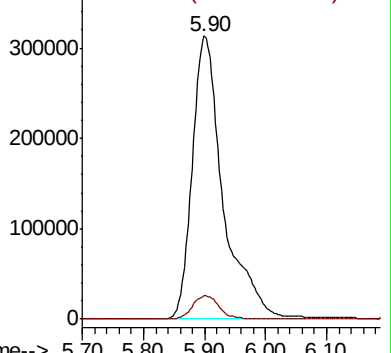
43 100

86 8.3 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.770 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

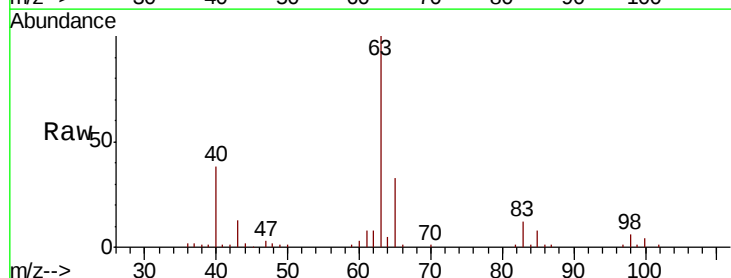
Tgt Ion: 63 Resp: 171210

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

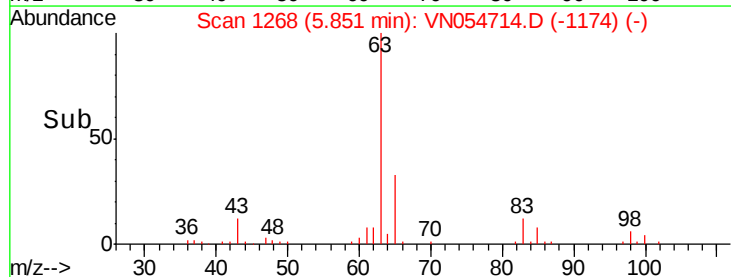
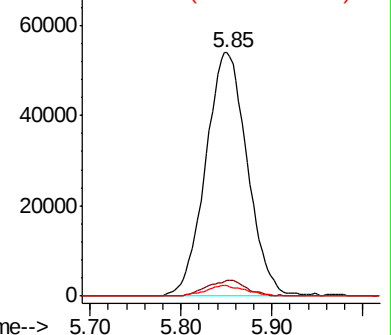
100 4.3 2.0 6.0

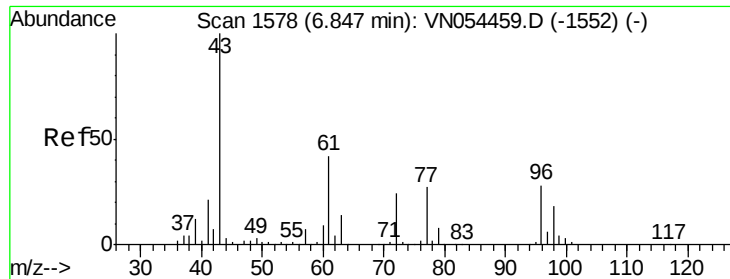


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.505 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

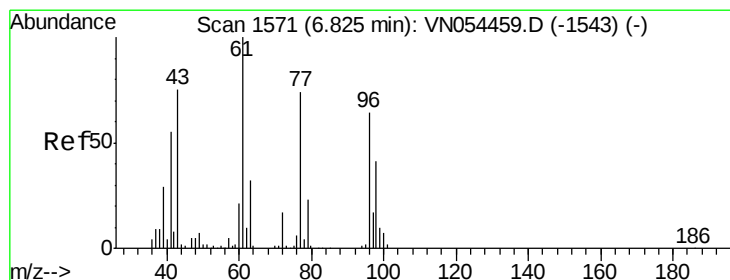
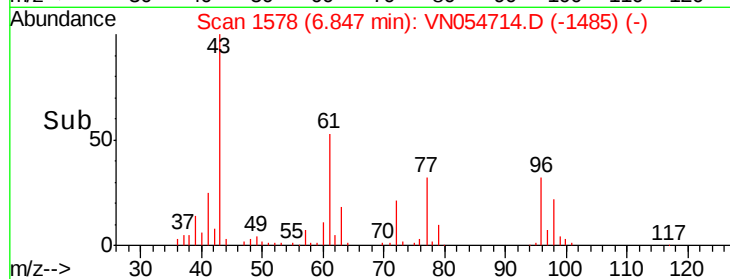
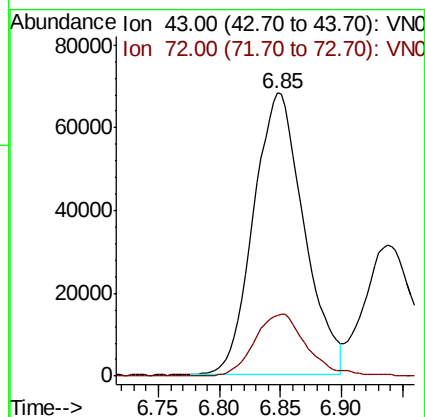
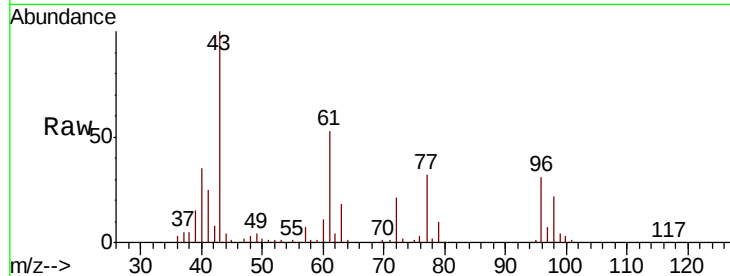
ClientSampled :

Tot Ion: 43 Resp: 196293

Ion Ratio Lower Upper

43 100

72 21.3 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 20.529 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054714.D

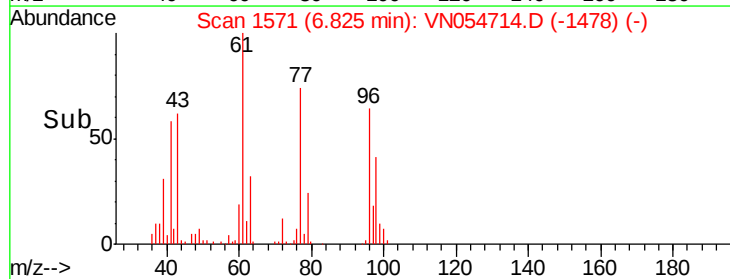
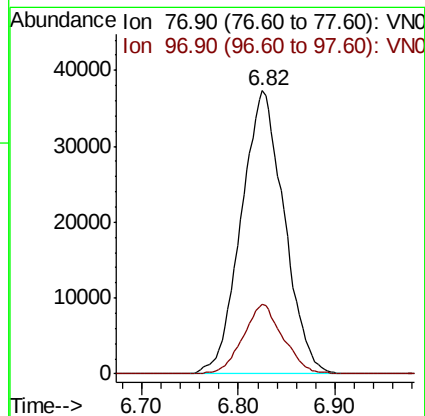
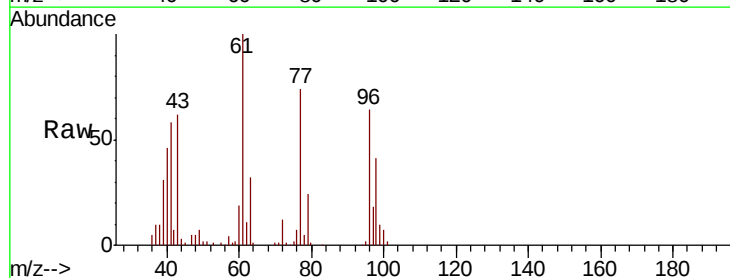
Acq: 27 Mar 2019 11:46

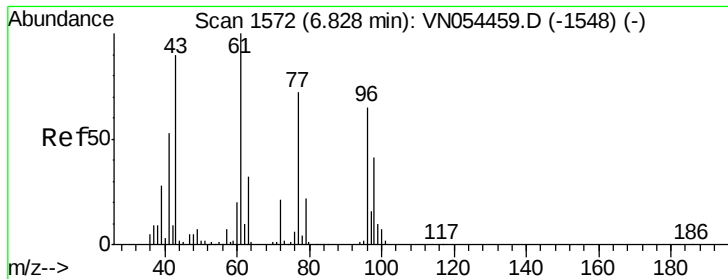
Tgt Ion: 77 Resp: 115088

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.597 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

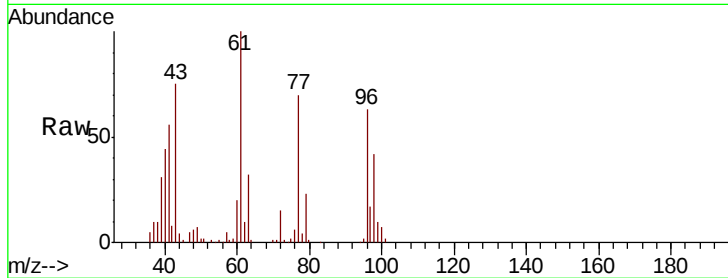
Tot Ion: 96 Resp: 98651

Ion Ratio Lower Upper

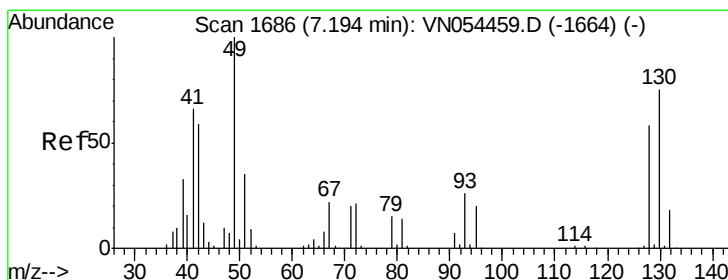
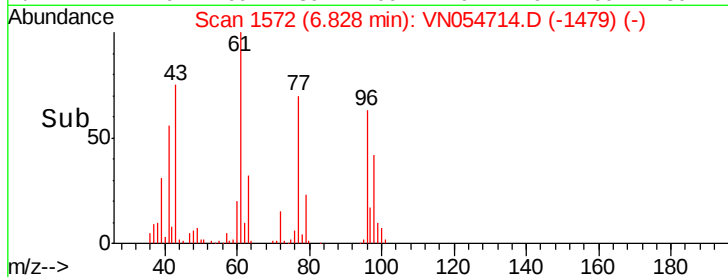
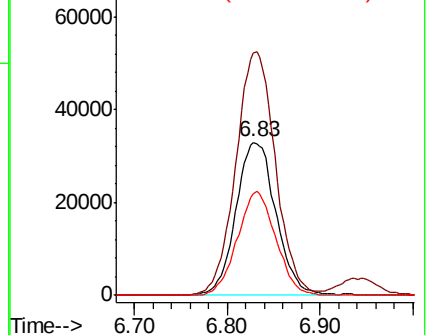
96 100

61 157.4 0.0 273.0

98 65.0 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: 23.559 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

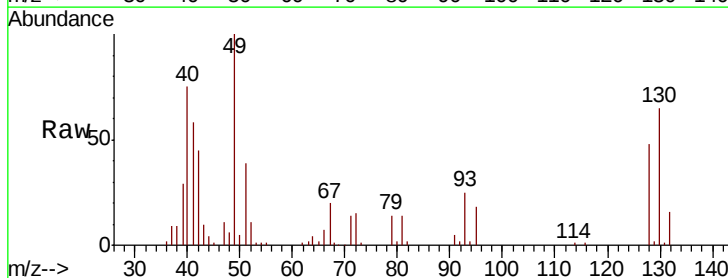
Tgt Ion: 49 Resp: 91200

Ion Ratio Lower Upper

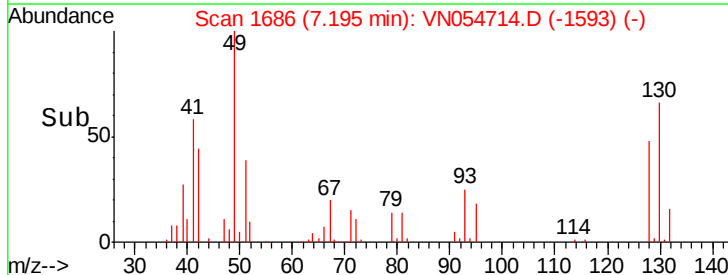
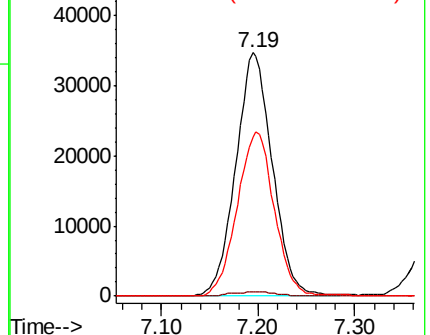
49 100

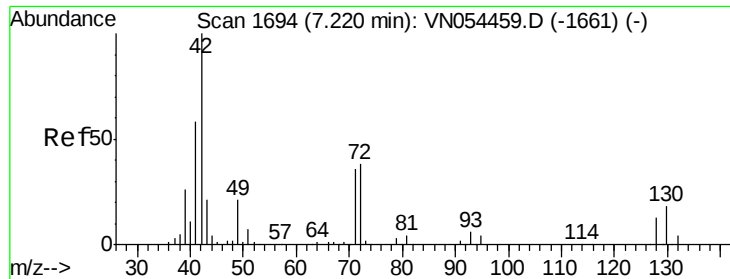
129 2.0 0.0 4.6

130 68.1 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

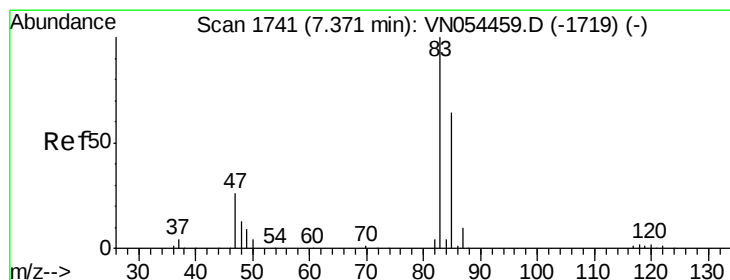
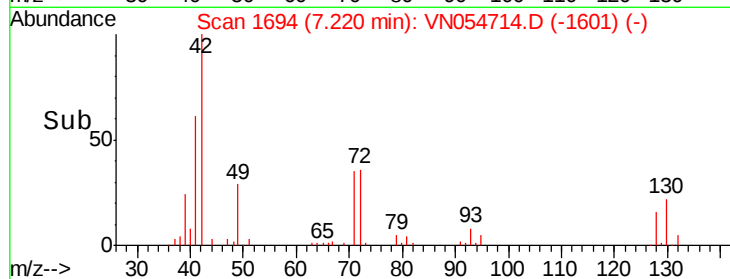
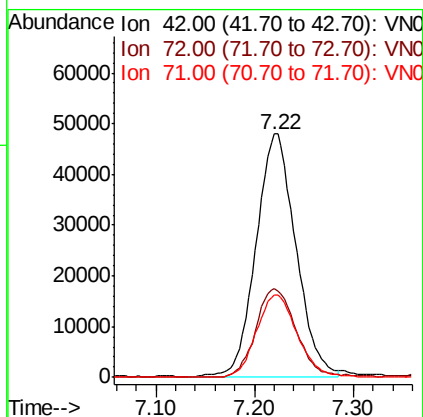
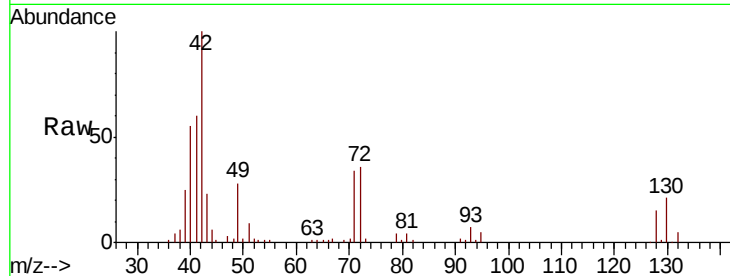




#29
Tetrahydrofuran
Concen: 105.928 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

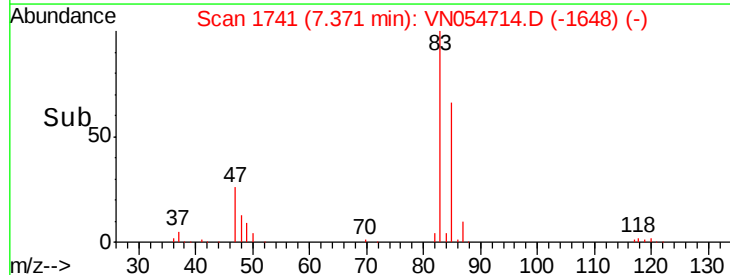
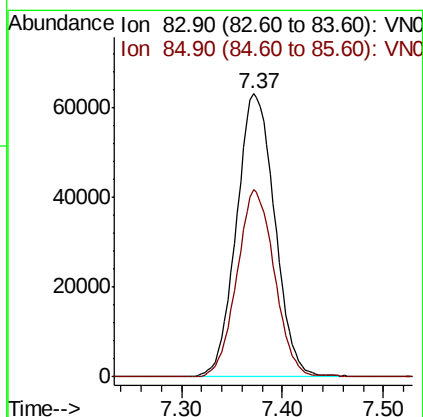
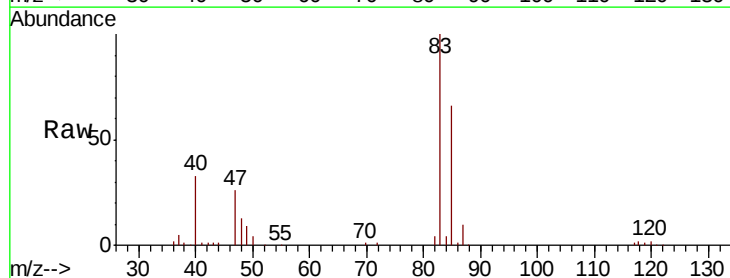
Instrument :
MSVOA_N
ClientSampleId :

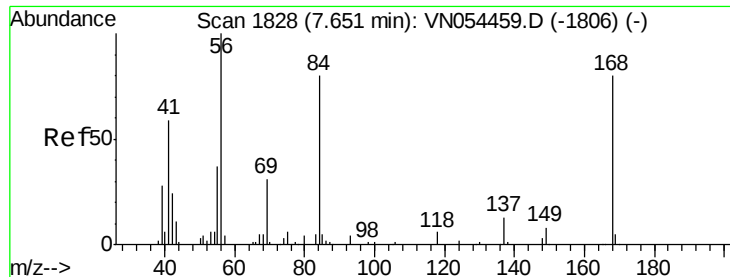
Tot Ion: 42 Resp: 134254
Ion Ratio Lower Upper
42 100
72 36.9 37.8 56.6#
71 34.6 36.2 54.2#



#30
Chloroform
Concen: 21.606 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 83 Resp: 165827
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.4

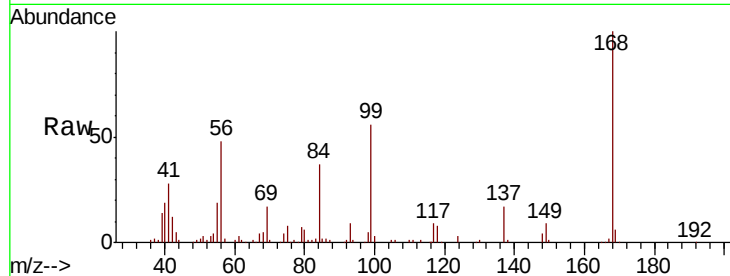




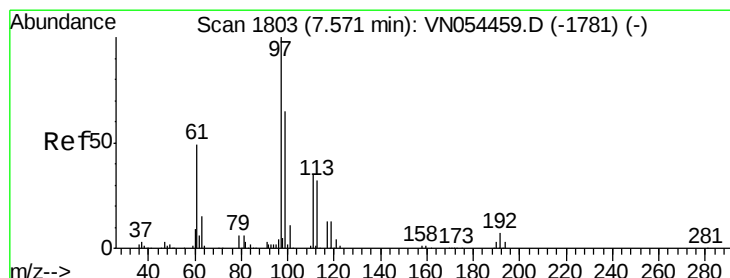
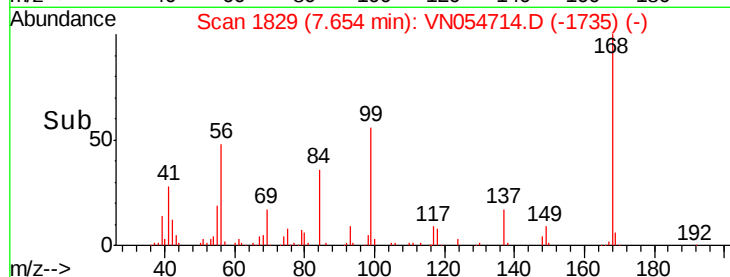
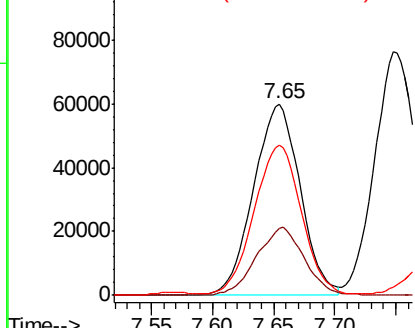
#31
Cyclohexane
Concen: 20.021 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 159268
Ion Ratio Lower Upper
56 100
69 35.2 27.8 41.6
84 77.2 74.6 111.8

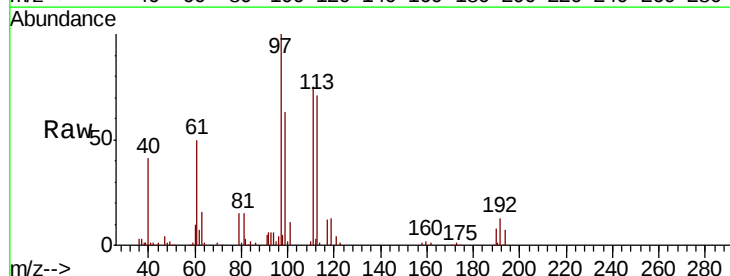


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

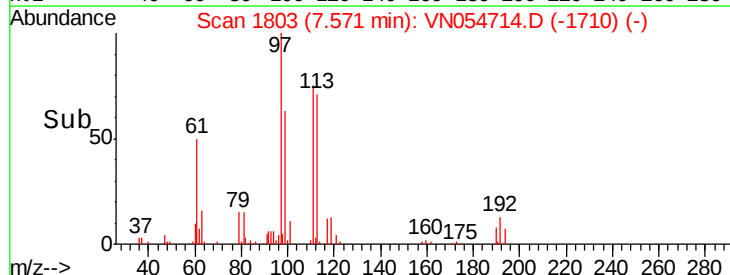
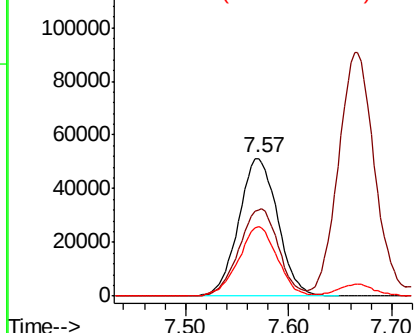


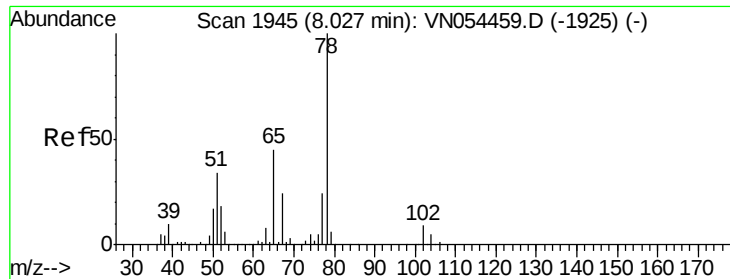
#32
1,1,1-Trichloroethane
Concen: 21.289 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 97 Resp: 134800
Ion Ratio Lower Upper
97 100
99 63.9 51.5 77.3
61 50.0 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: 52.539 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

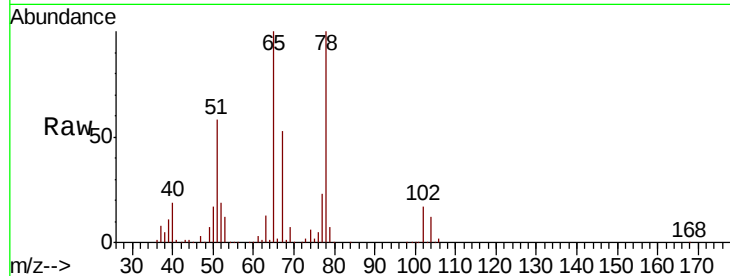
ClientSampleId :

Tot Ion: 65 Resp: 266430

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

120000

100000

80000

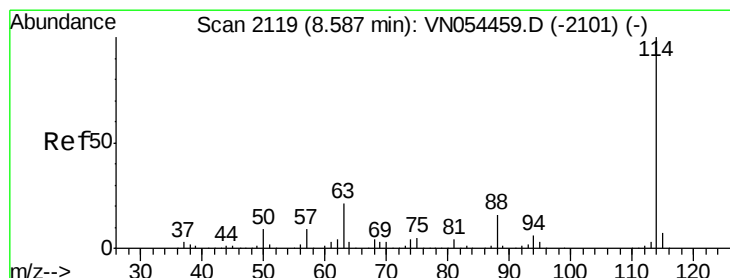
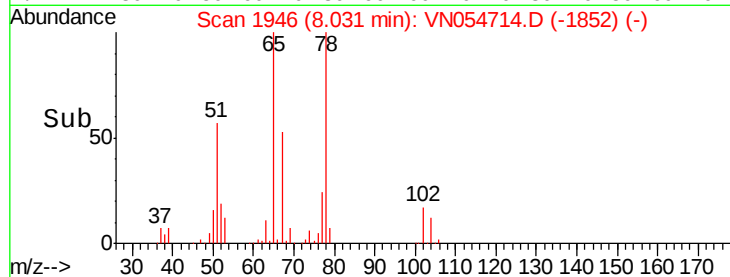
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

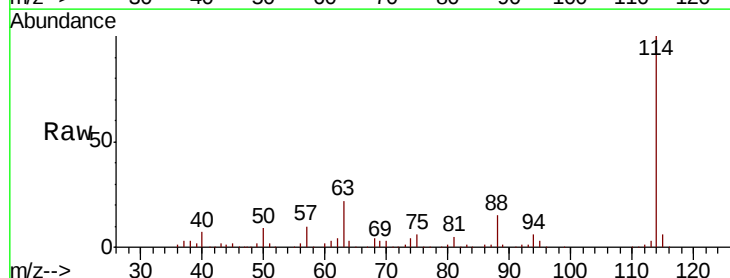
Tgt Ion: 114 Resp: 688552

Ion Ratio Lower Upper

114 100

63 21.6 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

400000

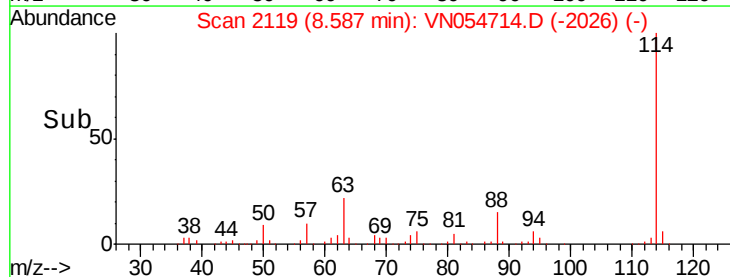
300000

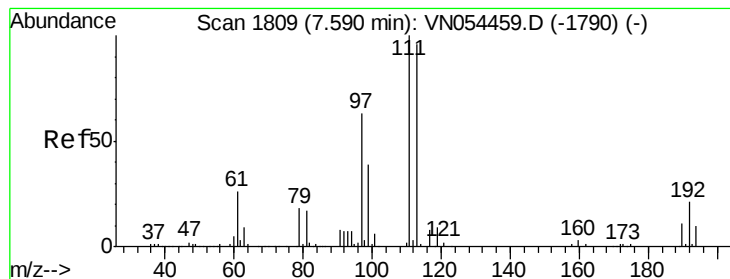
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.524 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

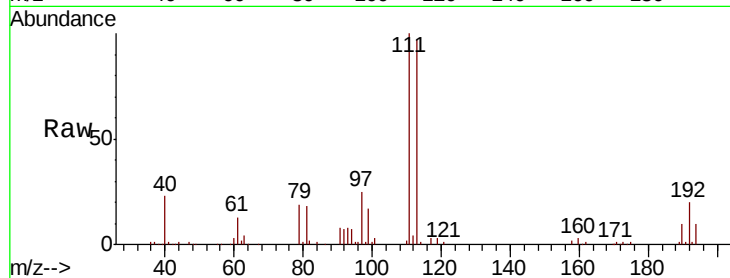
Tot Ion:113 Resp: 210814

Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

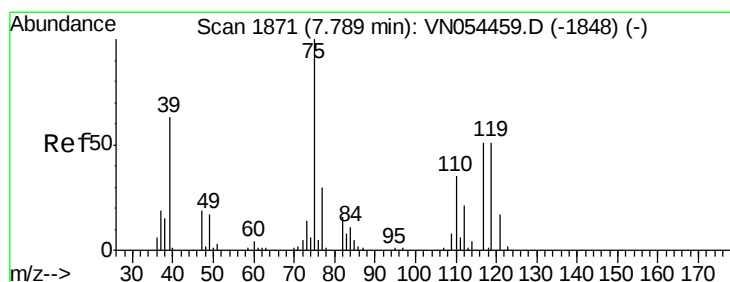
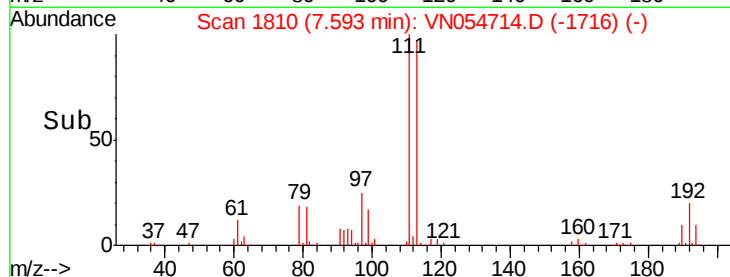
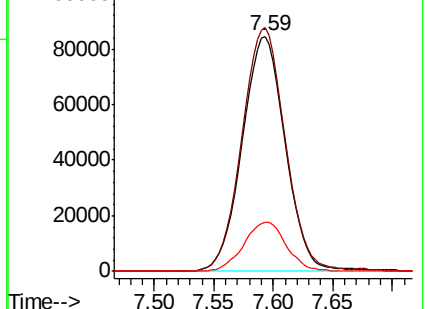
192 20.8 19.2 28.8



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: 18.780 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

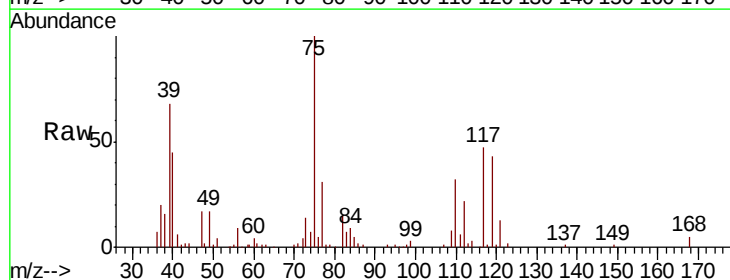
Tgt Ion: 75 Resp: 120905

Ion Ratio Lower Upper

75 100

110 33.2 19.1 57.5

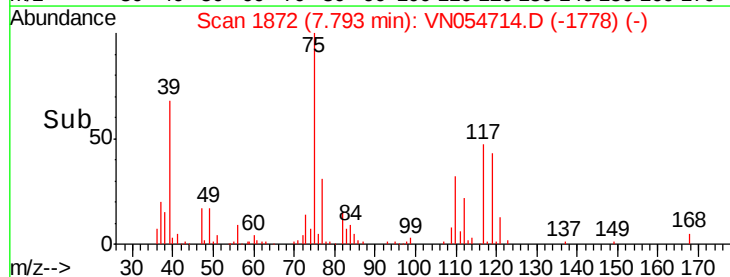
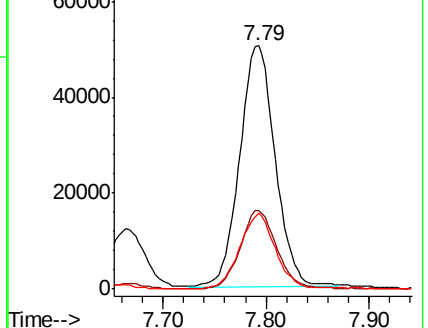
77 31.5 25.0 37.4

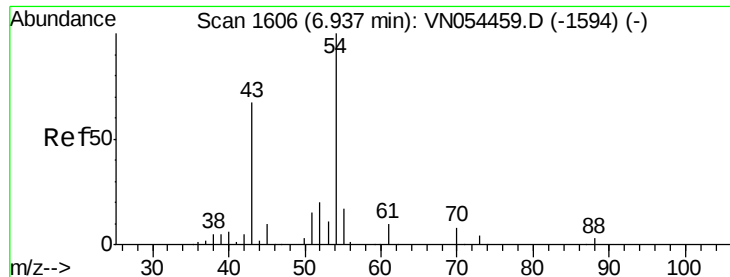


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

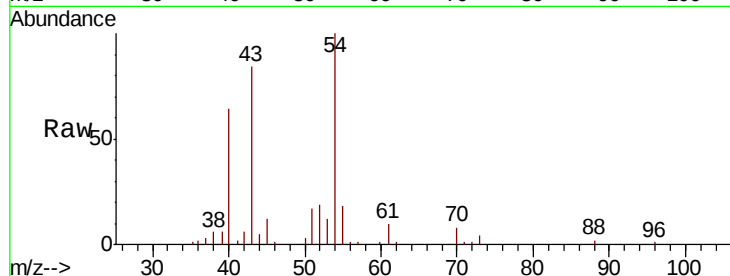




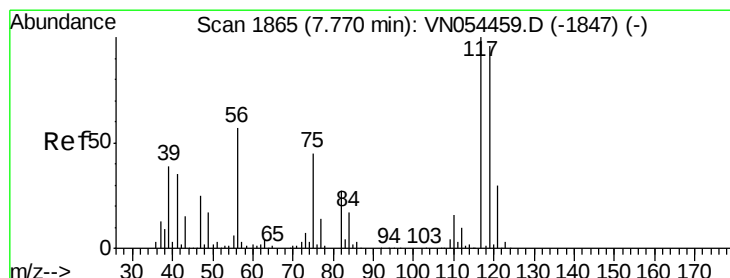
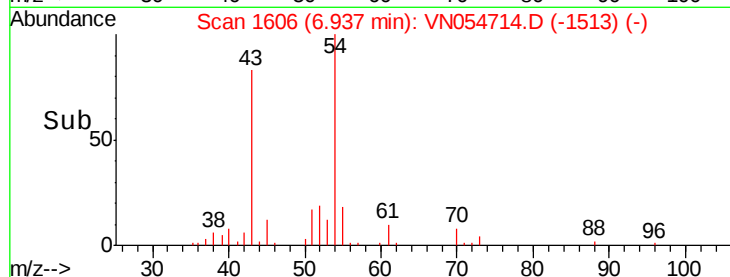
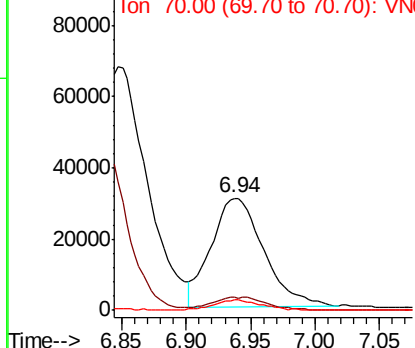
#37
Ethyl Acetate
Concen: 19.026 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 87121
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 8.8 8.4 12.6

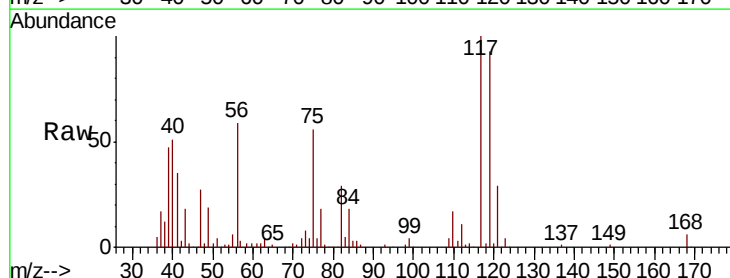


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

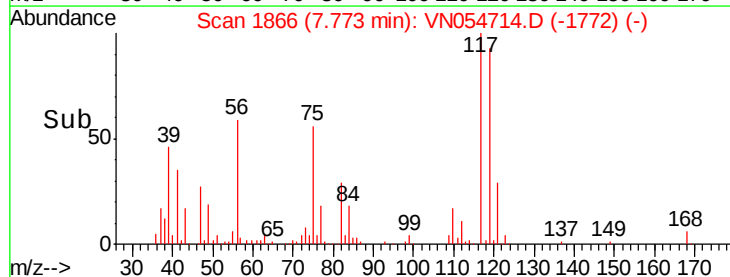
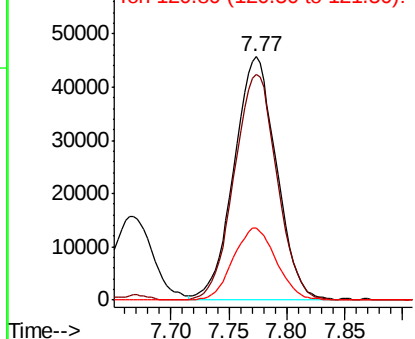


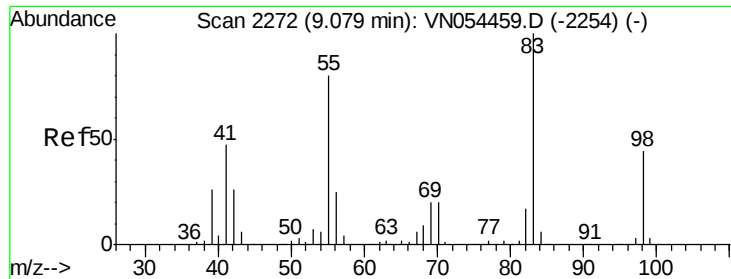
#38
Carbon Tetrachloride
Concen: 18.518 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 117 Resp: 115852
Ion Ratio Lower Upper
117 100
119 93.0 76.3 114.5
121 29.6 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

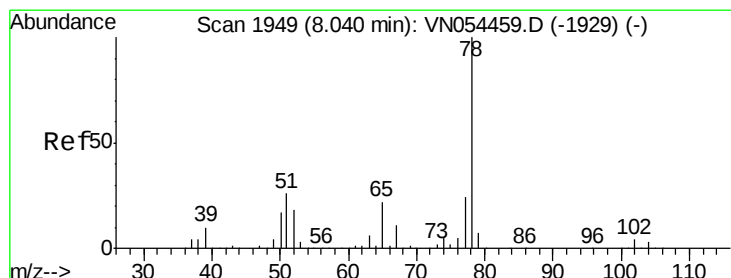
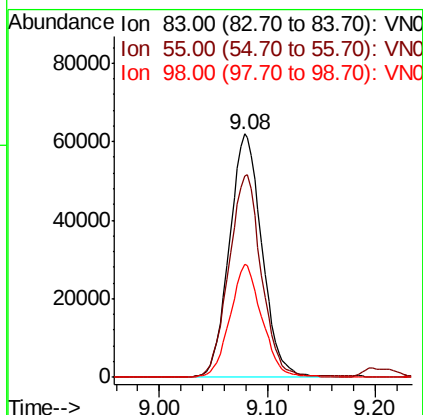
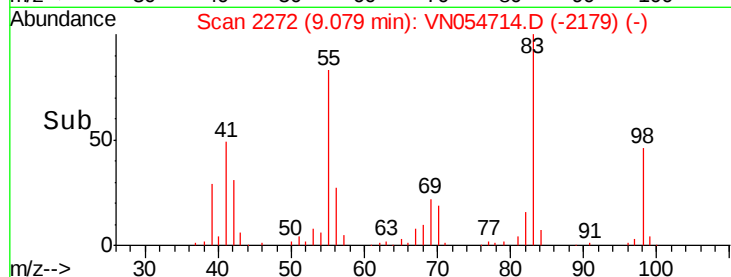
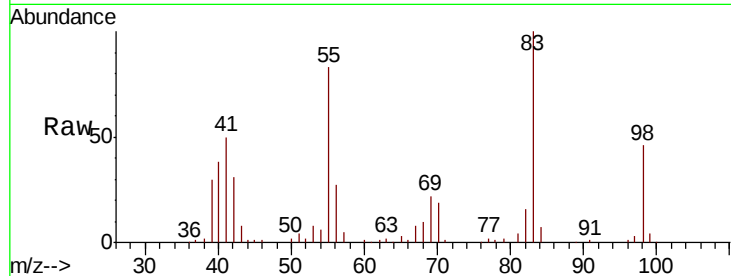




#39
Methvlcvclohexane
Concen: 17.738 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

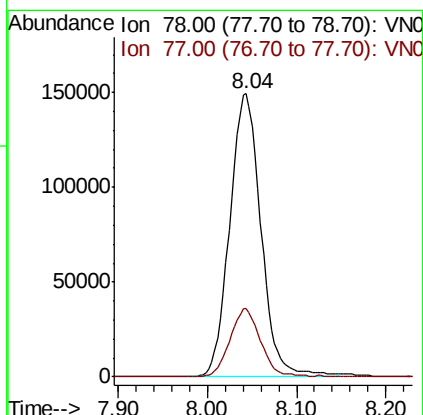
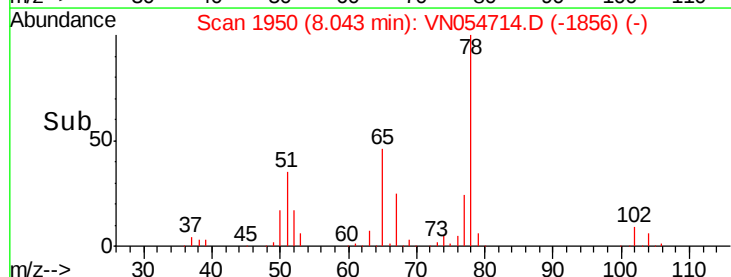
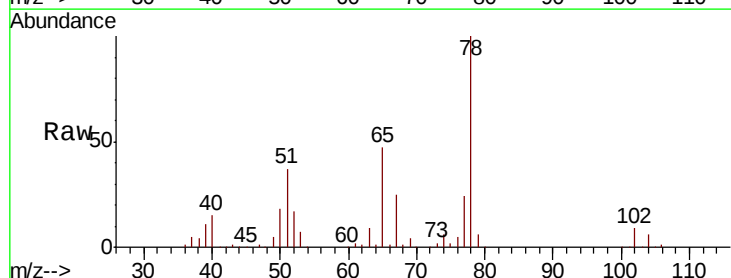
Instrument :
MSVOA_N
ClientSampleId :

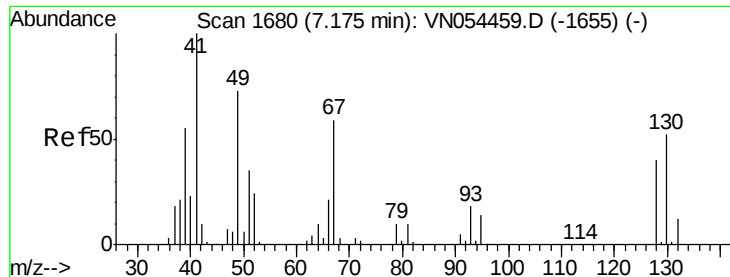
Tot Ion: 83 Resp: 130633
Ion Ratio Lower Upper
83 100
55 82.5 56.6 84.8
98 46.3 38.4 57.6



#40
Benzene
Concen: 19.716 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 78 Resp: 362968
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7





#41

Methacrylonitrile

Concen: 13.604 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 37990

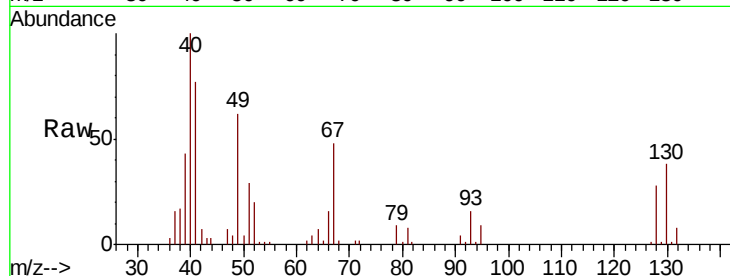
Ion Ratio Lower Upper

41 100

39 76.1 46.8 70.2#

67 93.3 67.0 100.4

52 42.6 26.5 39.7#

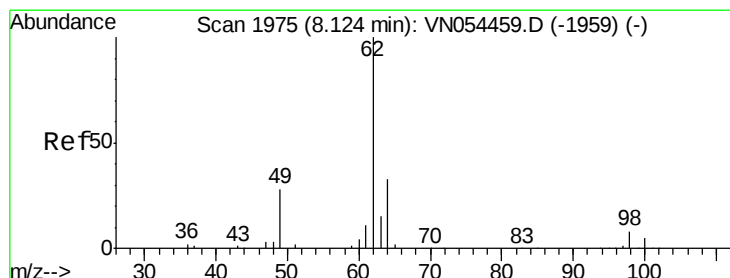
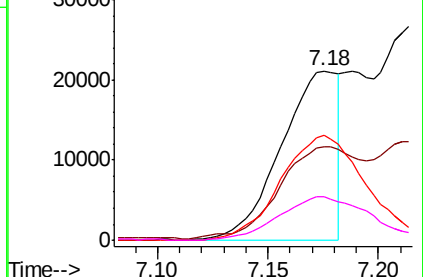
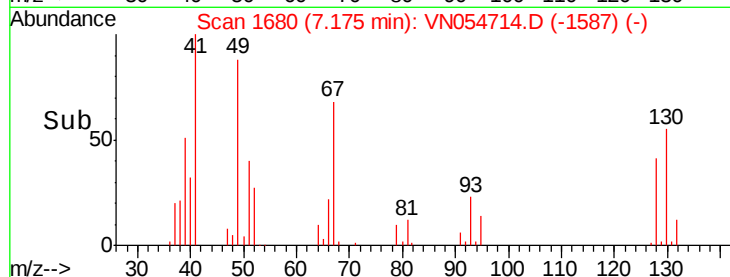


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 19.533 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054714.D

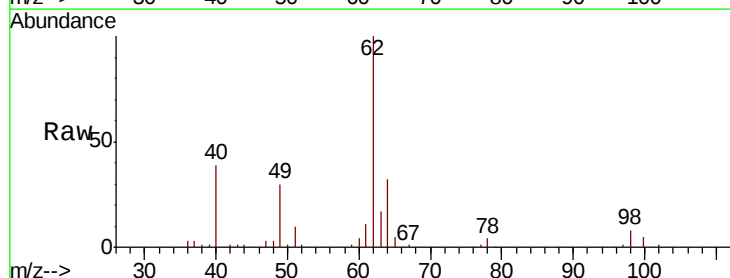
Acq: 27 Mar 2019 11:46

Tgt Ion: 62 Resp: 130957

Ion Ratio Lower Upper

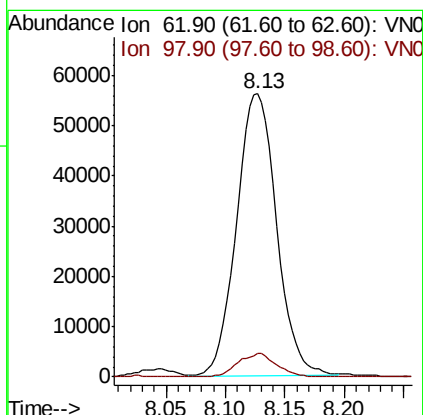
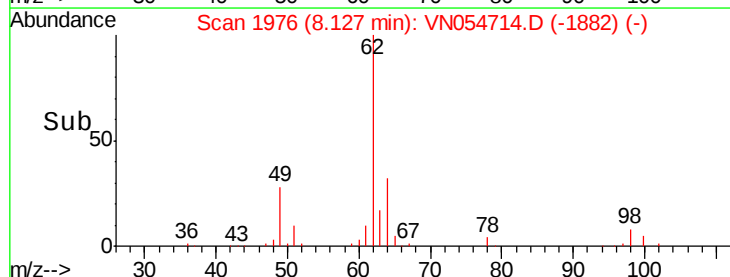
62 100

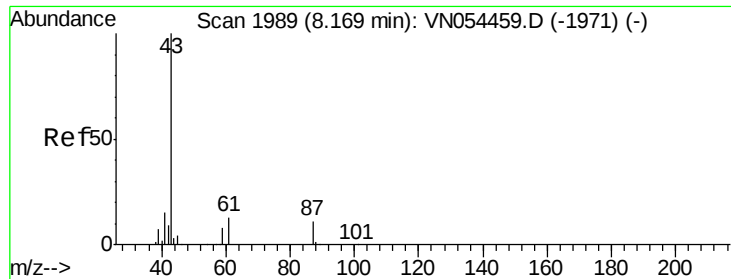
98 8.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



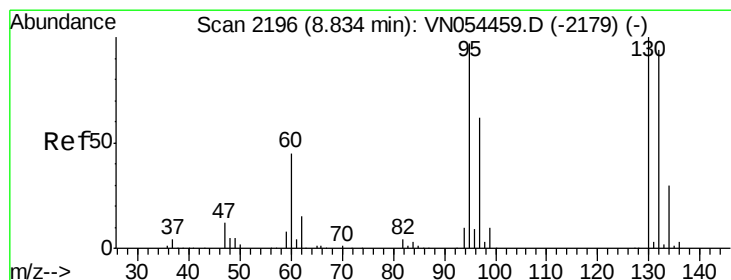
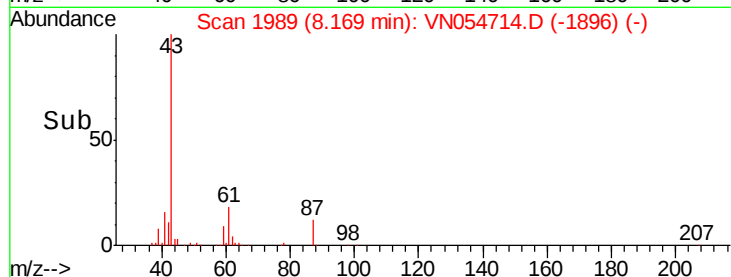
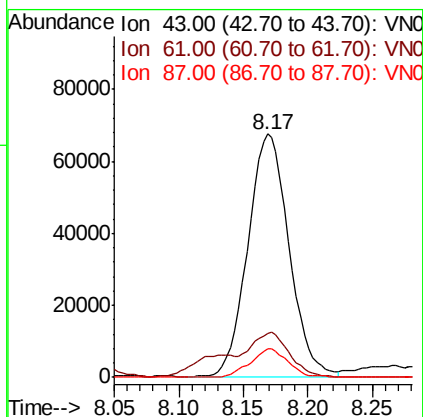
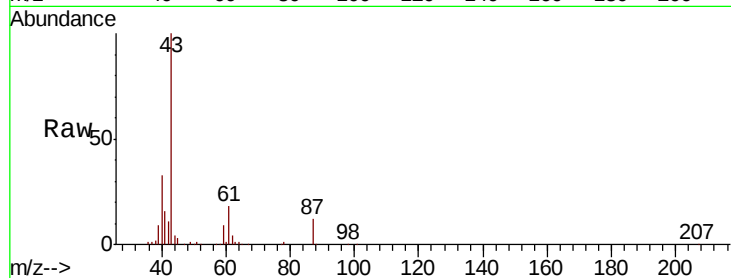


#43

Isopropyl Acetate
 Concen: 19.366 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

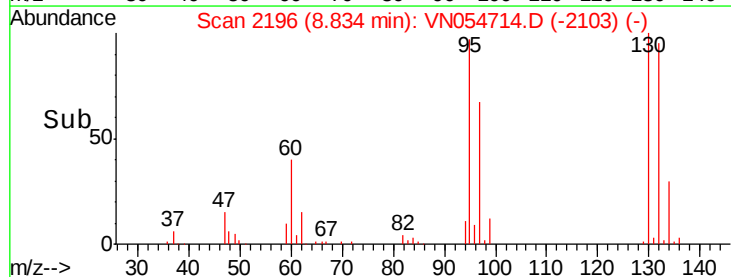
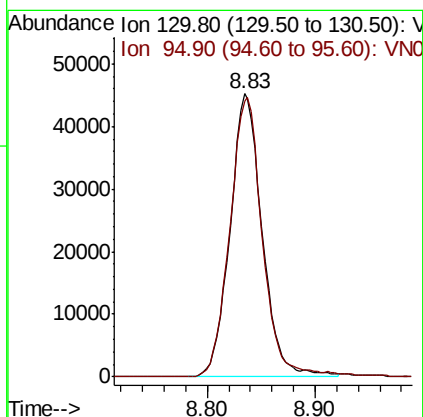
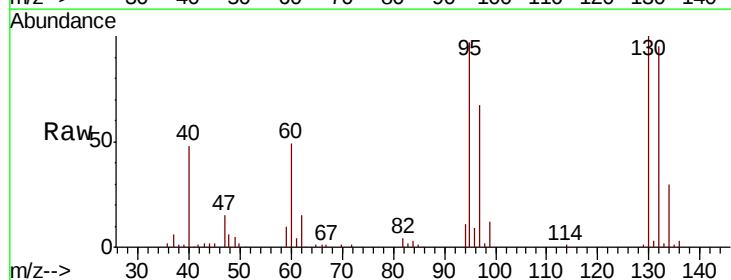
Tot Ion	43	Resp	149758
Ion Ratio	Lower	Upper	
43	100		
61	17.3	15.8	23.8
87	10.9	12.0	18.0

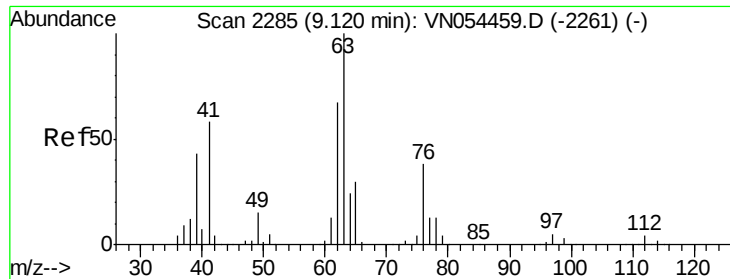


#44

Trichloroethene
 Concen: 18.347 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion	130	Resp	93904
Ion Ratio	Lower	Upper	
130	100		
95	97.4	0.0	185.2

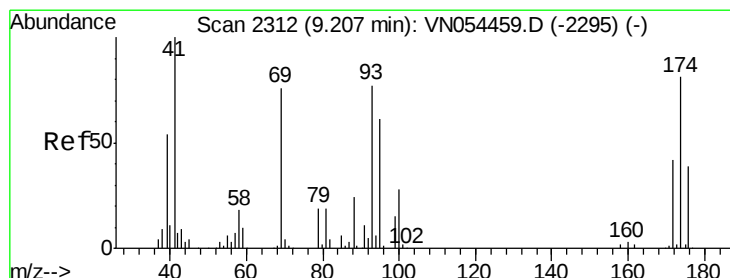
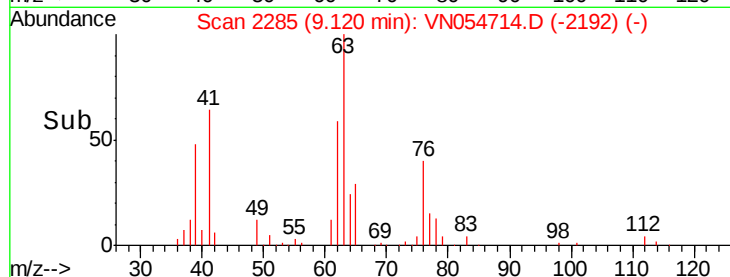
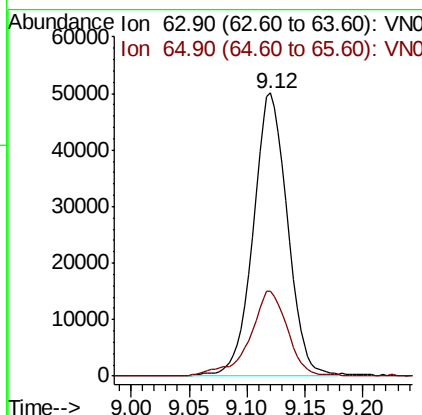
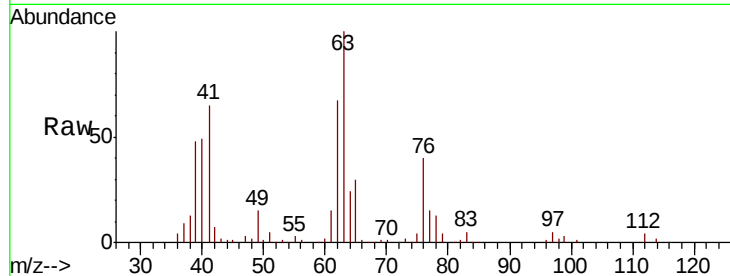




#45
 1,2-Dichloropropane
 Concen: 20.935 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

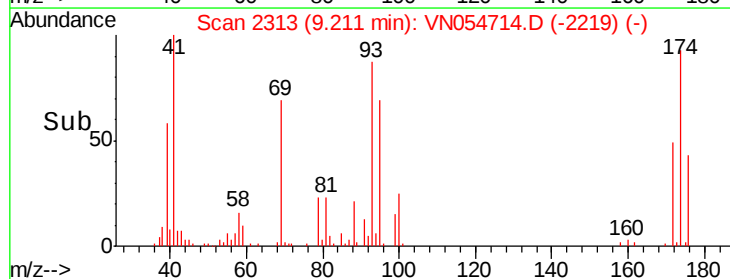
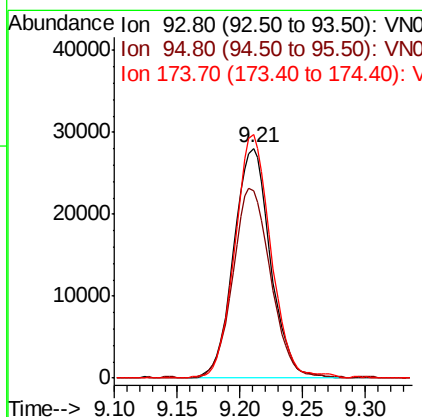
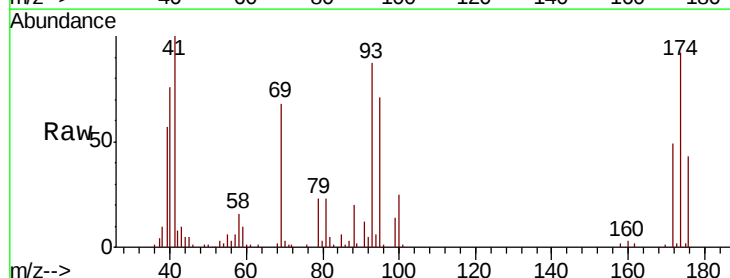
Instrument :
 MSVOA_N
 ClientSampled :

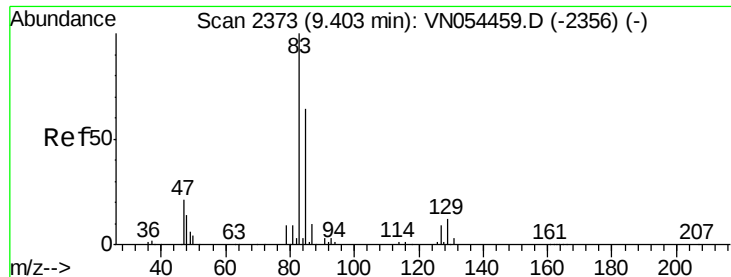
Tot Ion: 63 Resp: 103490
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.0 37.6



#46
 Dibromomethane
 Concen: 19.328 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion: 93 Resp: 57001
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.7 100.1
 174 104.3 98.5 147.7





#47

Bromodichloromethane

Concen: 19.552 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

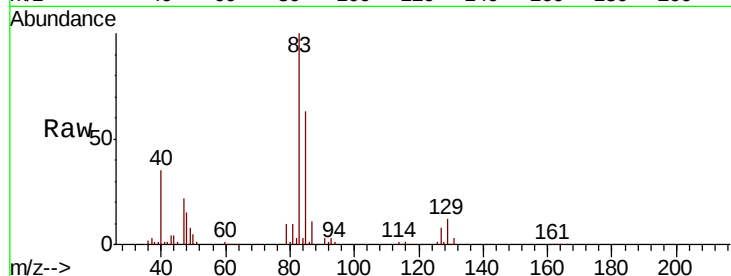
Tot Ion: 83 Resp: 119666

Ion Ratio Lower Upper

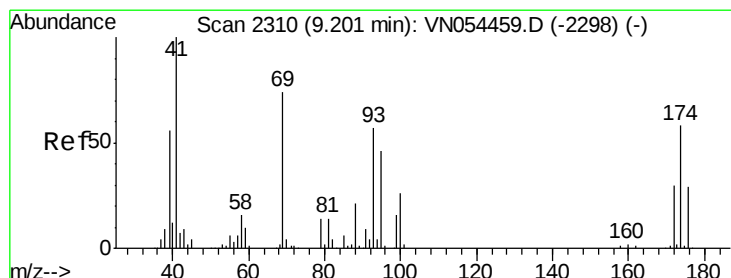
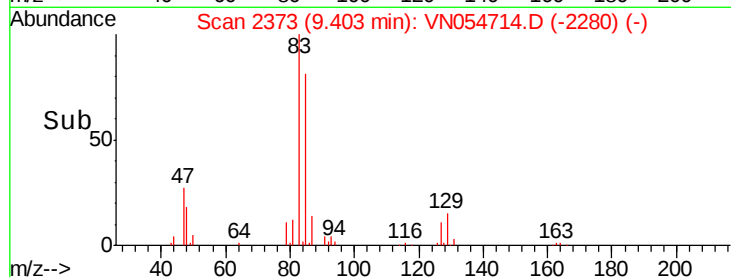
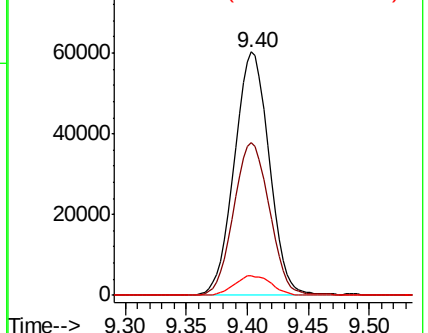
83 100

85 62.9 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: 18.517 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

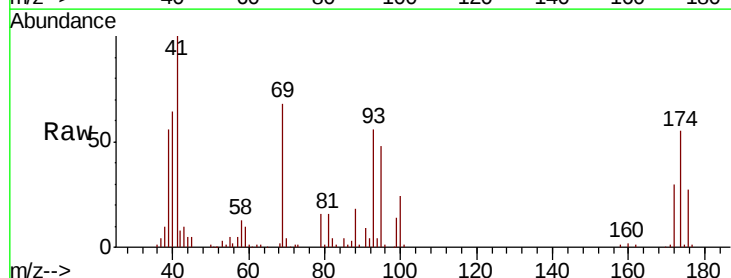
Tgt Ion: 41 Resp: 77721

Ion Ratio Lower Upper

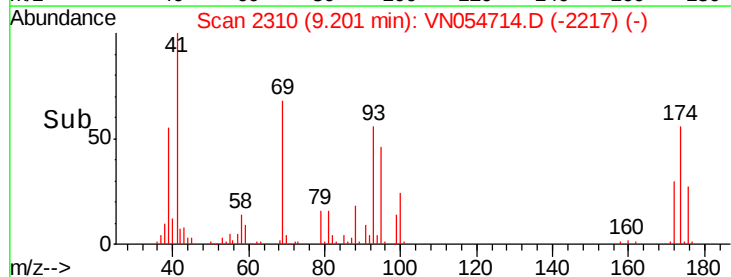
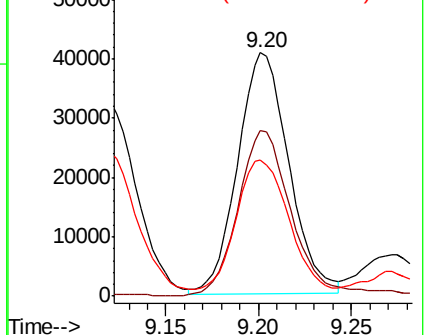
41 100

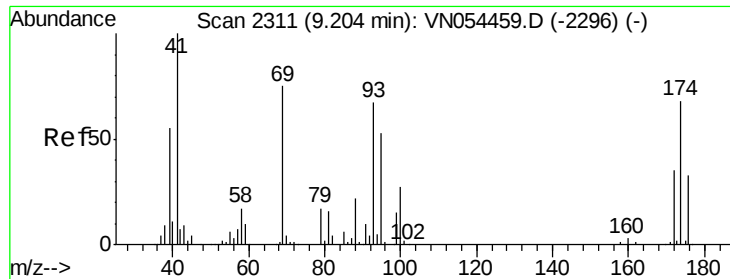
69 73.3 72.6 108.8

39 58.1 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: 344.499 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

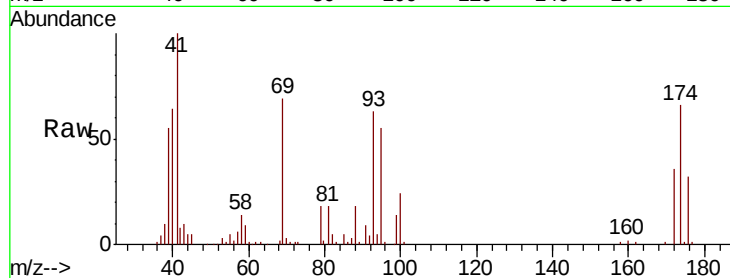
Tot Ion: 88 Resp: 16165

Ion Ratio Lower Upper

88 100

43 46.8 24.1 36.1#

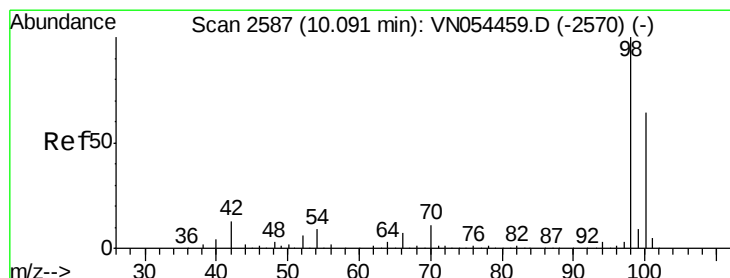
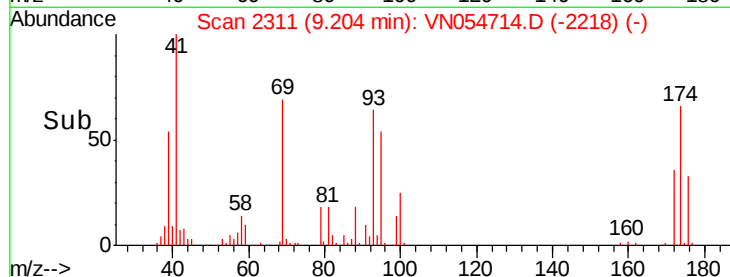
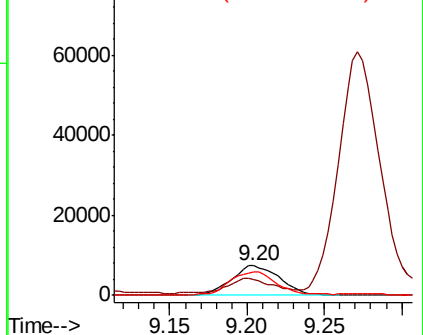
58 77.6 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054714.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054714.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054714.D (-2296) (-)



#50

Toluene-d8

Concen: 46.725 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054714.D

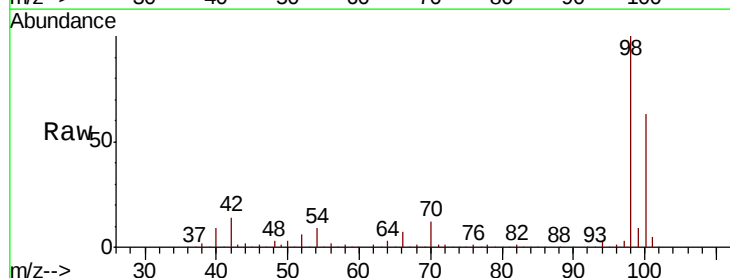
Acq: 27 Mar 2019 11:46

Tgt Ion: 98 Resp: 779206

Ion Ratio Lower Upper

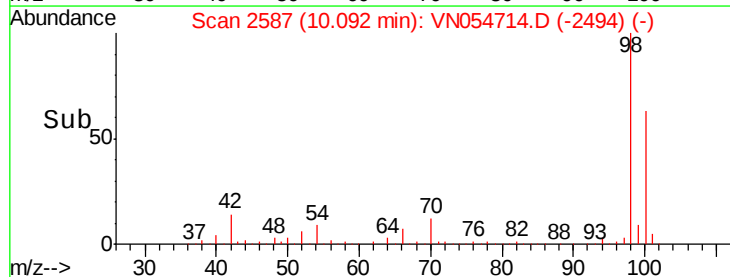
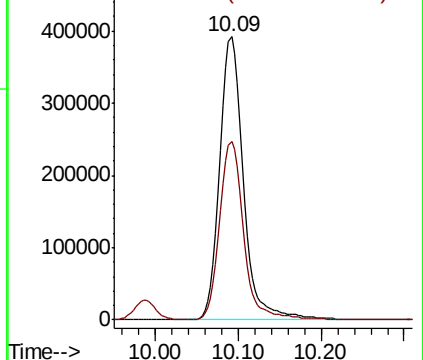
98 100

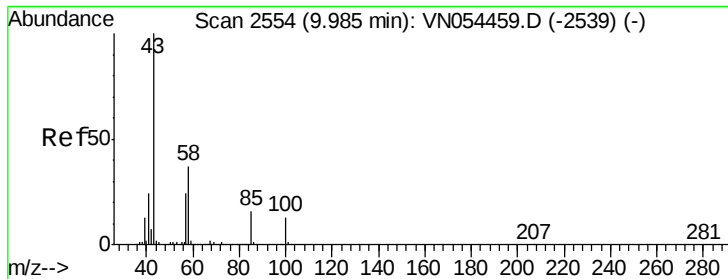
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054714.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054714.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 98.766 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

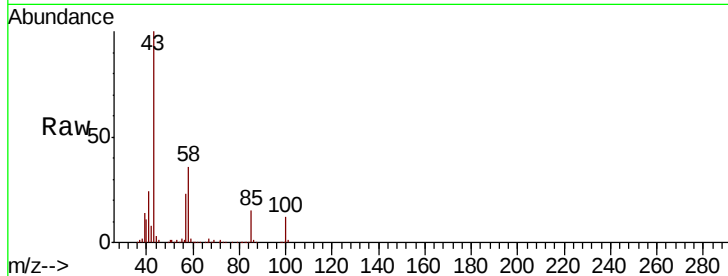
ClientSampled :

Tot Ion: 43 Resp: 423286

Ion Ratio Lower Upper

43 100

58 34.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

250000

200000

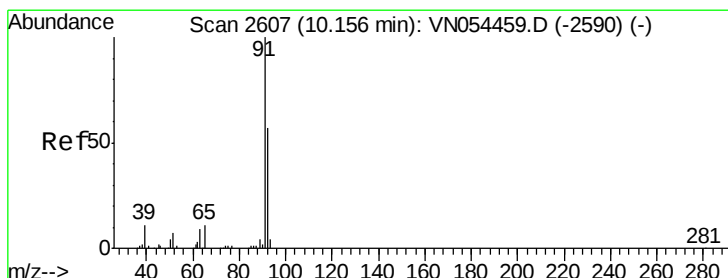
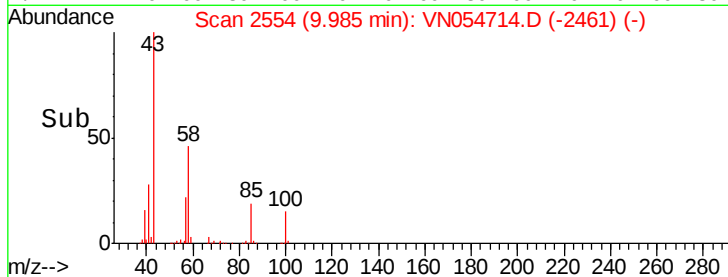
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.860 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054714.D

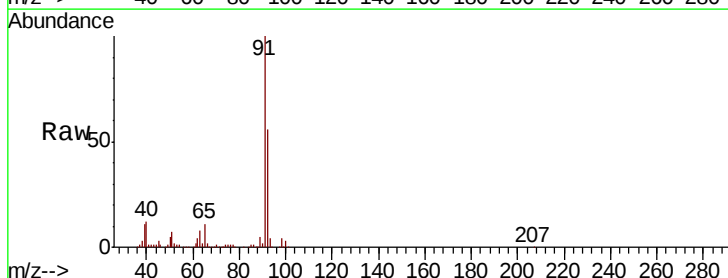
Acq: 27 Mar 2019 11:46

Tgt Ion: 92 Resp: 236200

Ion Ratio Lower Upper

92 100

91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

250000

200000

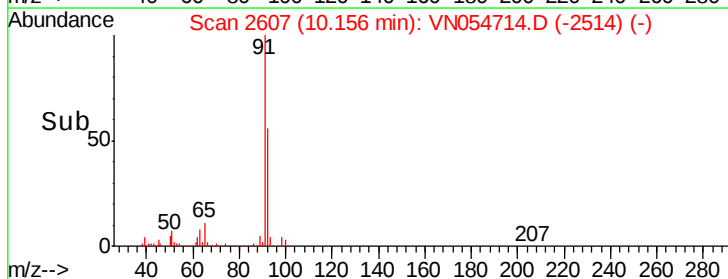
150000

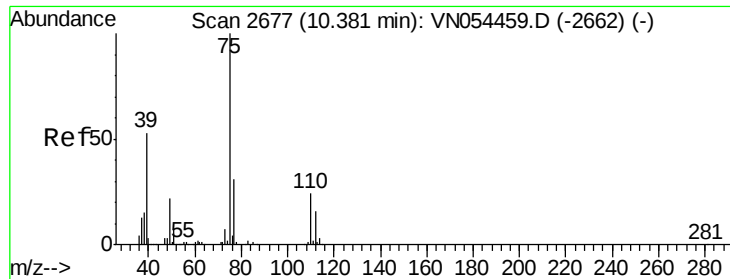
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.248 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

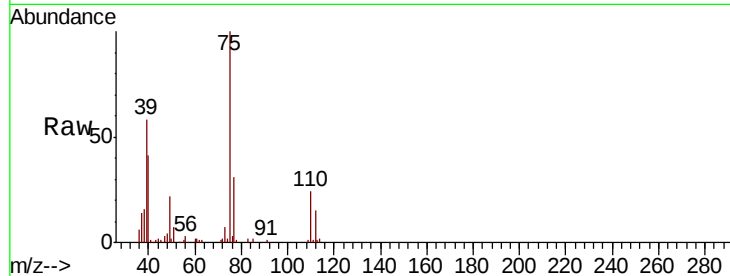
ClientSampleId :

Tot Ion: 75 Resp: 108237

Ion Ratio Lower Upper

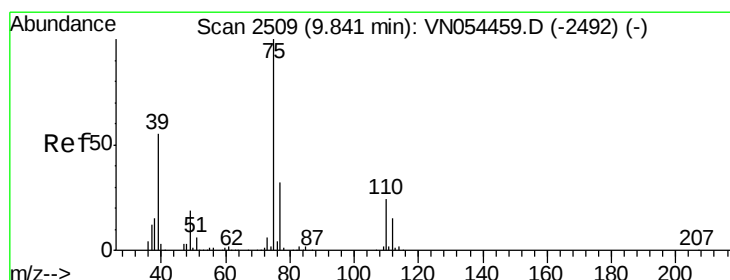
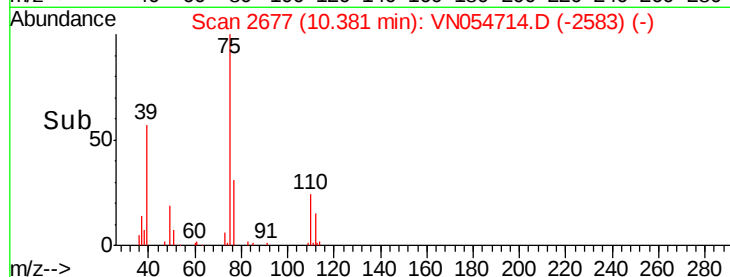
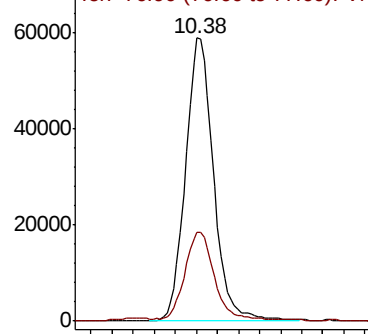
75 100

77 30.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.793 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

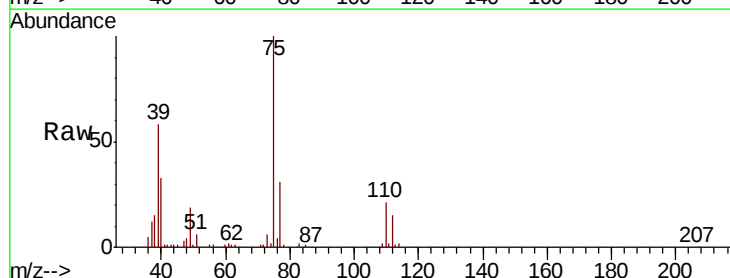
Tgt Ion: 75 Resp: 138900

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

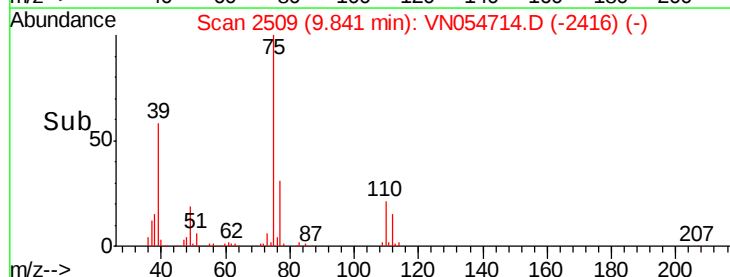
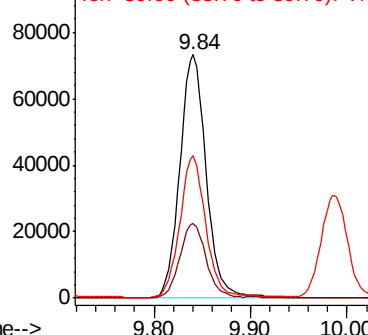
39 58.0 37.2 55.8#

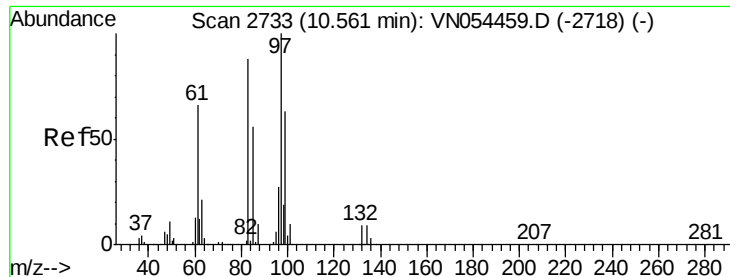


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.008 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 81436

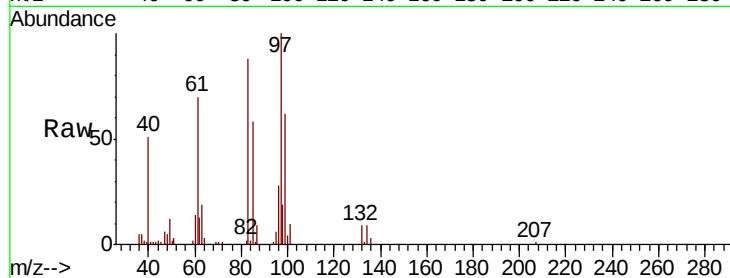
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.6	100.0
85	57.6	44.4	66.6
99	62.0	50.8	76.2

97 100

83 87.9 66.6 100.0

85 57.6 44.4 66.6

99 62.0 50.8 76.2



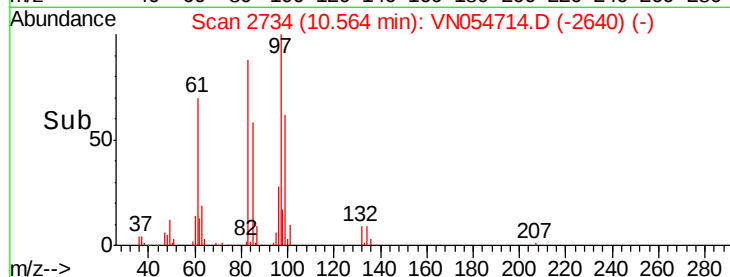
Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

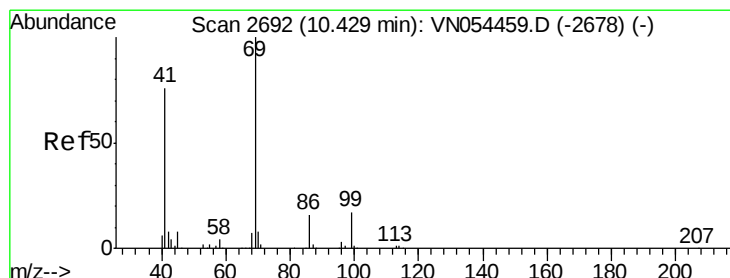
Time-->



Abundance

10.56

Time-->



#56

Ethyl methacrylate

Concen: 18.981 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

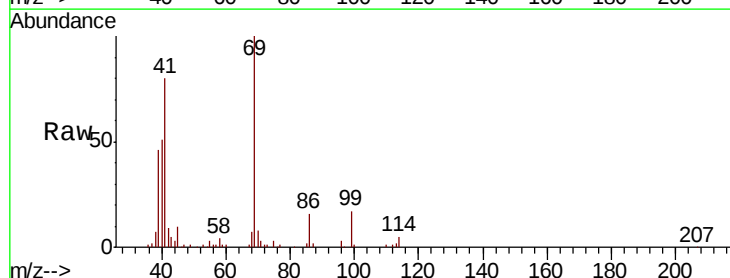
Tgt Ion: 69 Resp: 103692

Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	42.9	28.3	42.5#

69 100

41 77.7 49.4 74.2#

39 42.9 28.3 42.5#

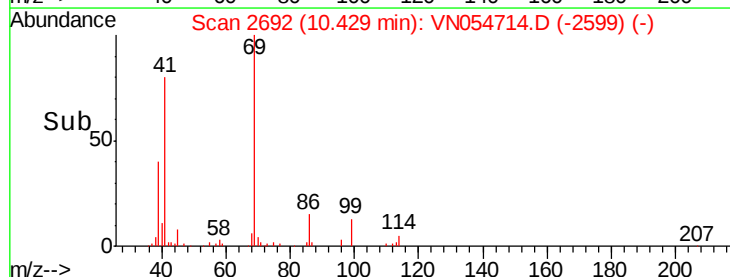


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

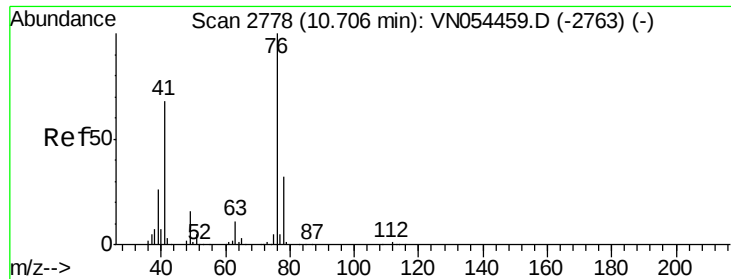
Time-->



Abundance

10.43

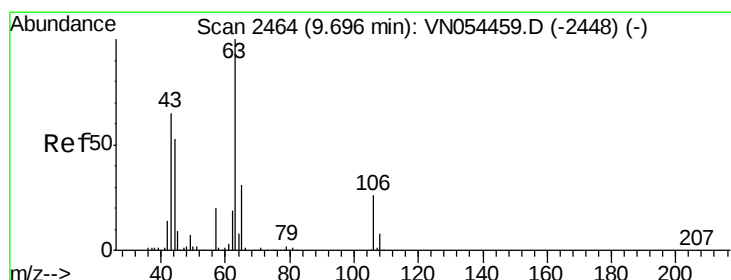
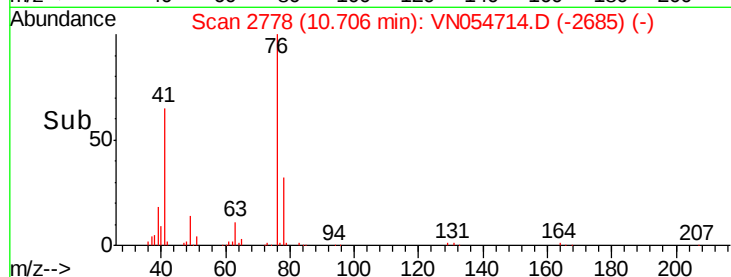
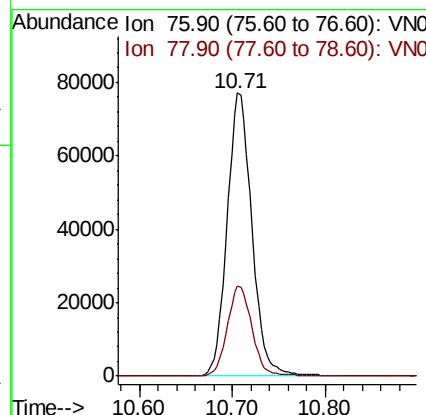
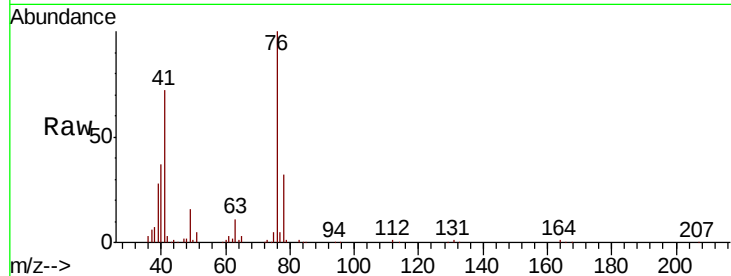
Time-->



#57
 1,3-Dichloropropane
 Concen: 20.175 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

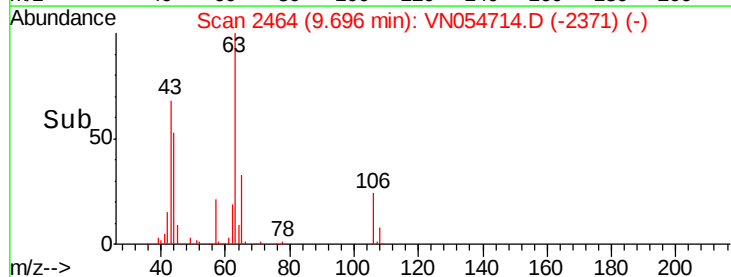
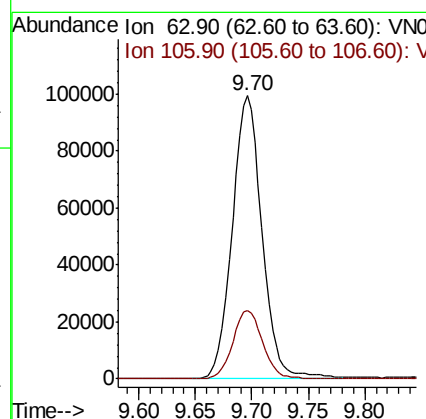
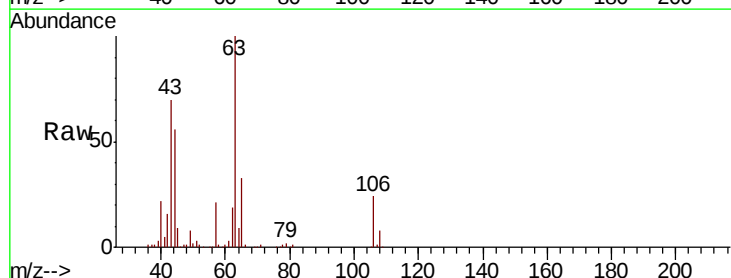
Instrument :
 MSVOA_N
 ClientSampled :

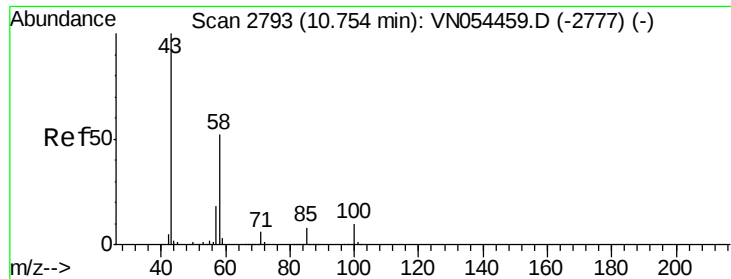
Tot Ion: 76 Resp: 142743
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.163 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion: 63 Resp: 182580
 Ion Ratio Lower Upper
 63 100
 106 24.3 24.4 36.6#

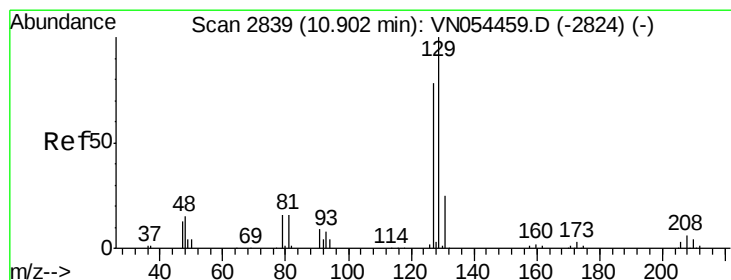
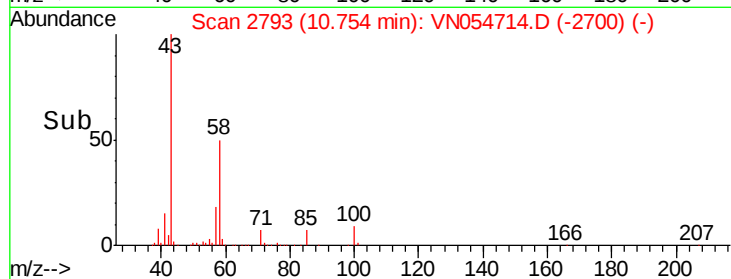
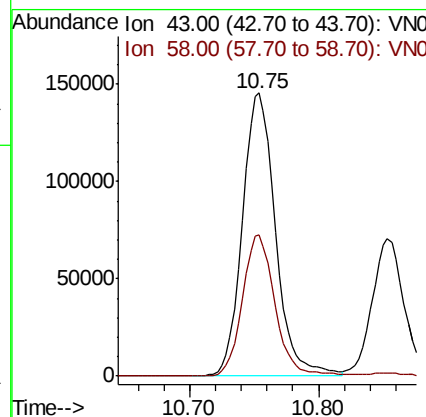
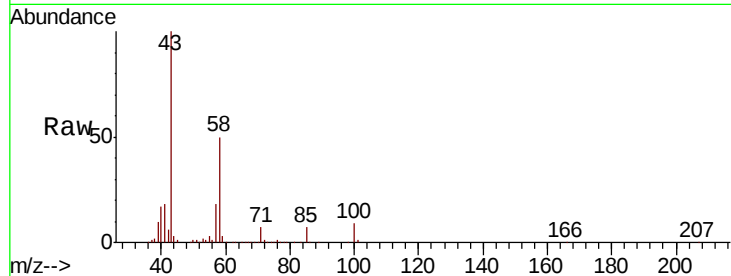




#59
2-Hexanone
Concen: 92.290 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

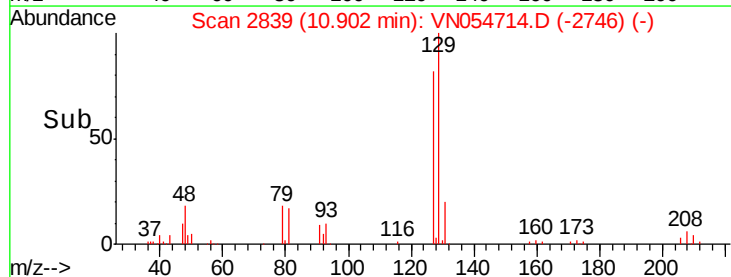
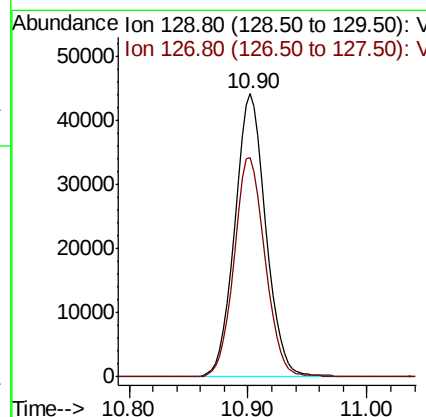
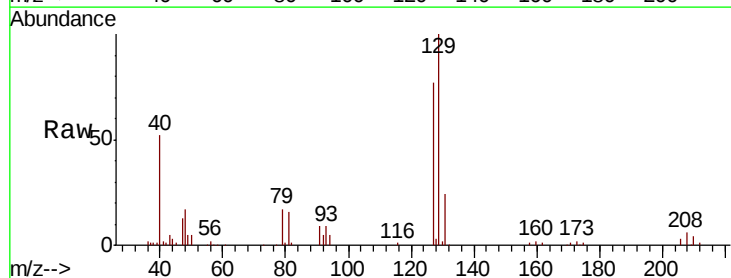
Instrument :
MSVOA_N
ClientSampleId :

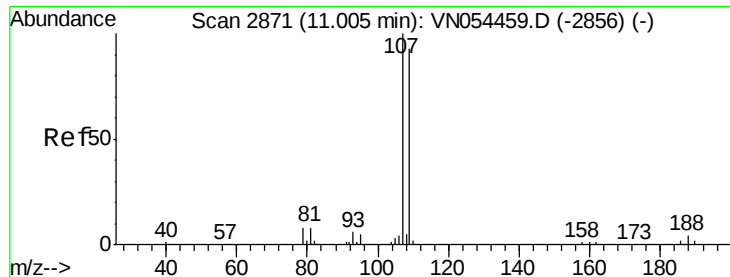
Tot Ion: 43 Resp: 258357
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9



#60
Dibromochloromethane
Concen: 18.420 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 129 Resp: 79779
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.977 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

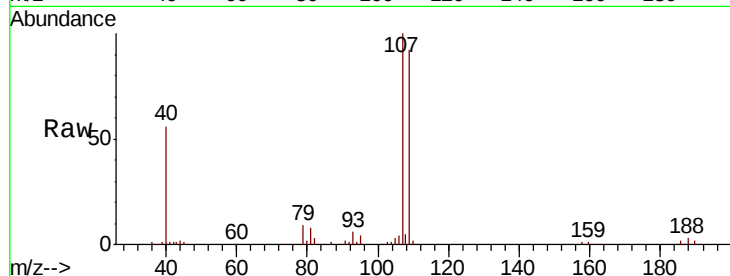
ClientSampleId :

Tot Ion:107 Resp: 76361

Ion Ratio Lower Upper

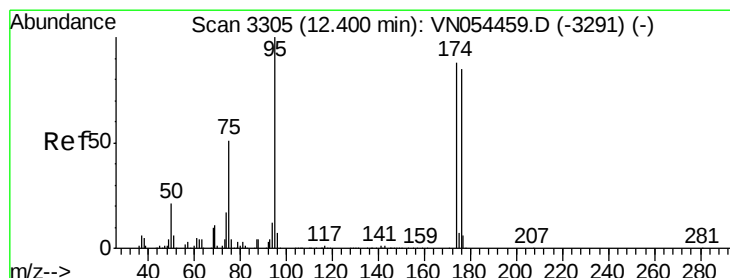
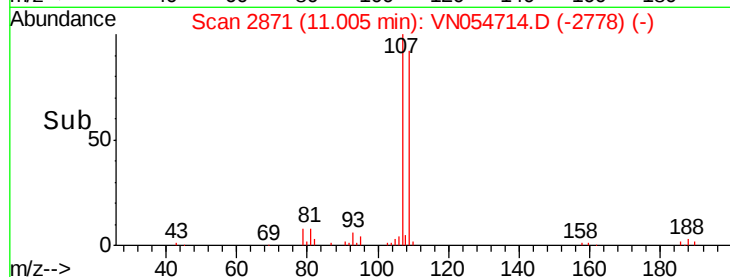
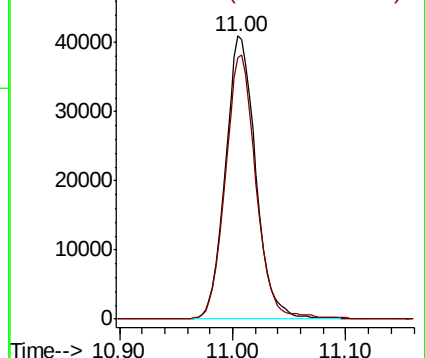
107 100

109 93.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.584 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

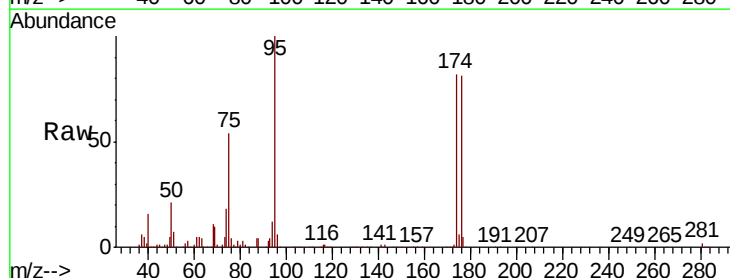
Tgt Ion: 95 Resp: 258677

Ion Ratio Lower Upper

95 100

174 82.9 0.0 191.0

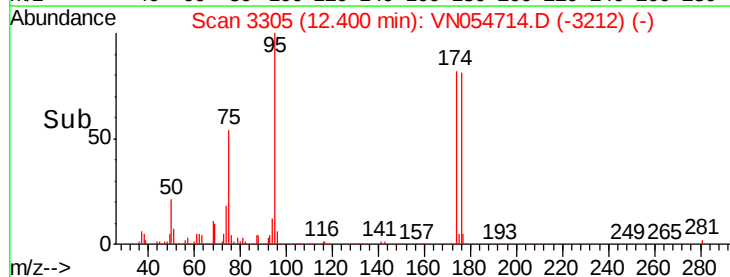
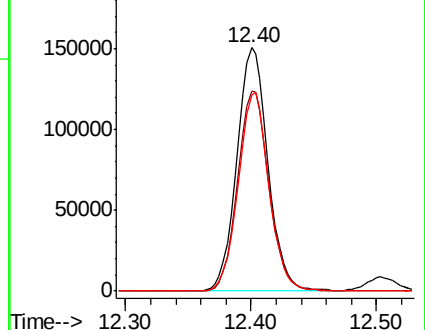
176 80.4 0.0 187.4

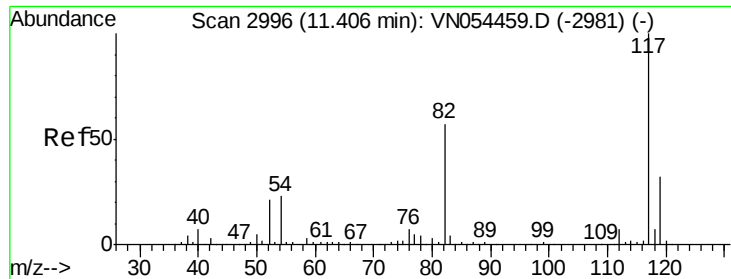


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

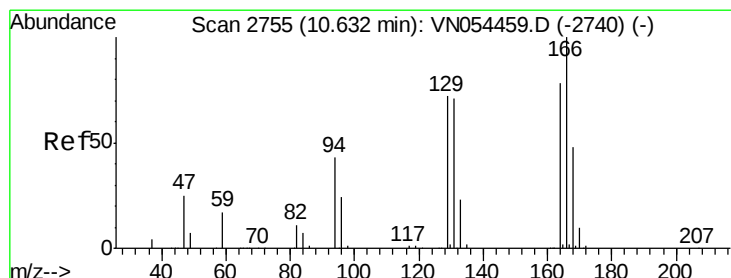
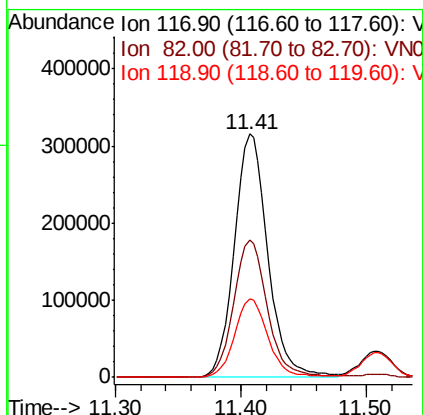
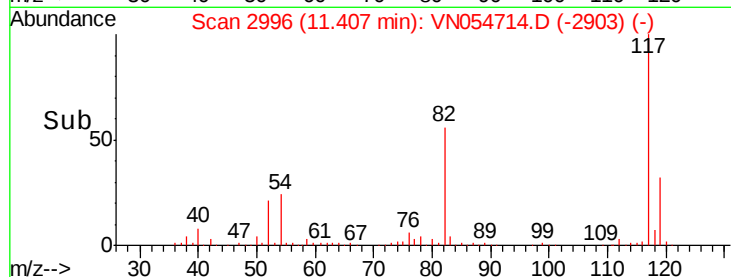
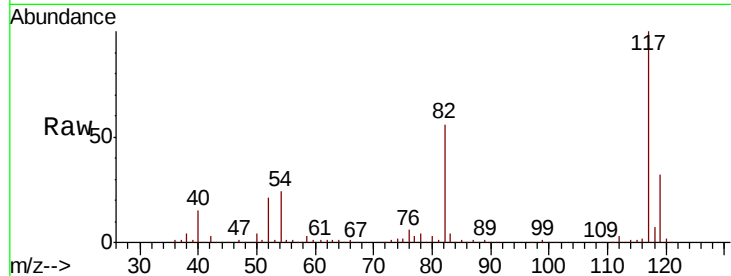




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

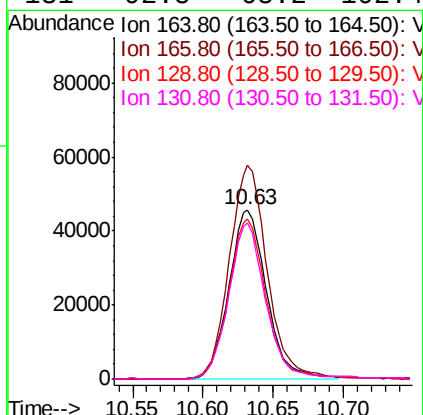
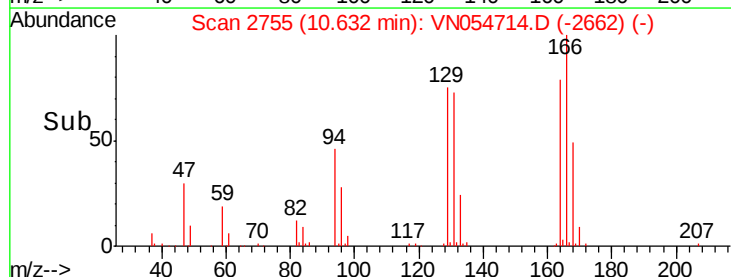
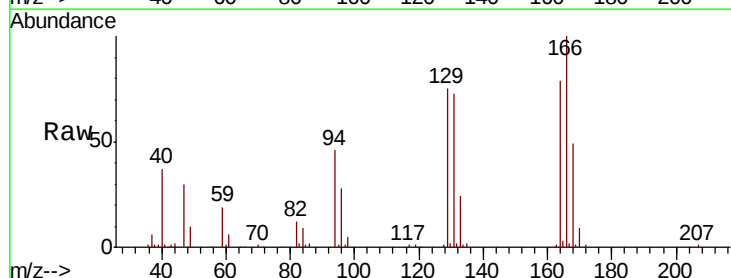
Instrument :
MSVOA_N
ClientSampleId :

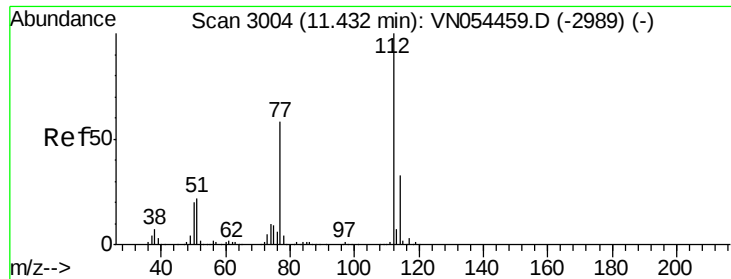
Tot Ion:117 Resp: 585194
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 17.596 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:164 Resp: 85411
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 94.3 71.1 106.7
131 92.5 68.2 102.4

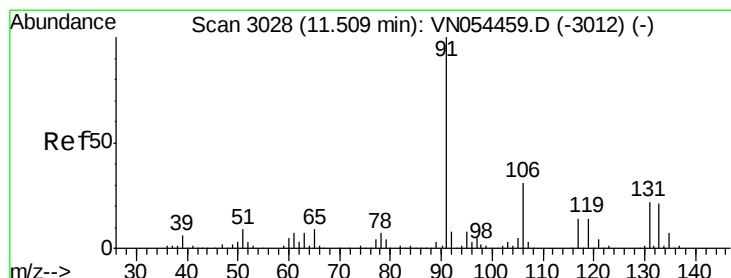
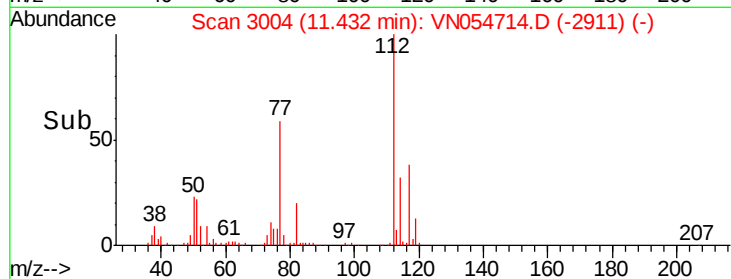
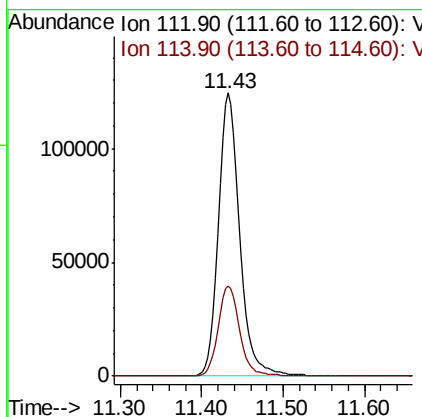
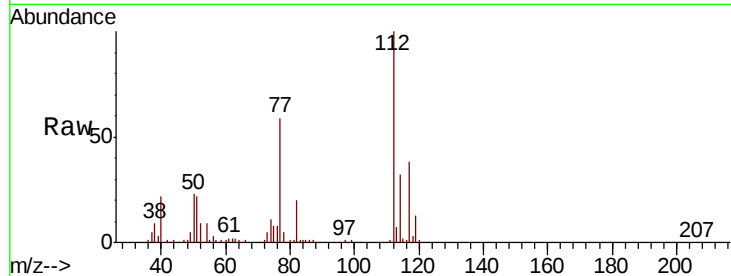




#65
Chlorobenzene
Concen: 19.351 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

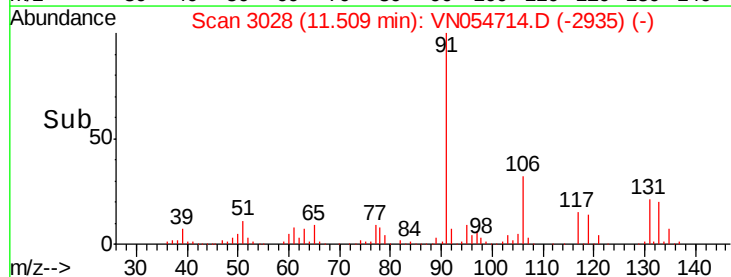
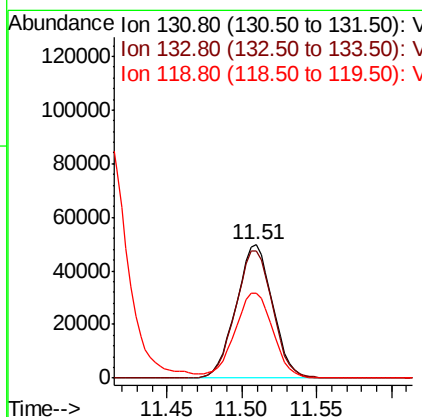
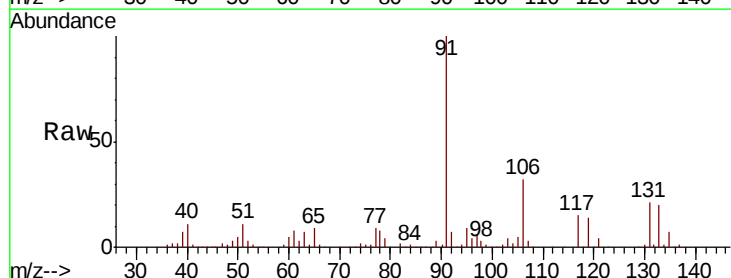
Instrument :
MSVOA_N
ClientSampled :

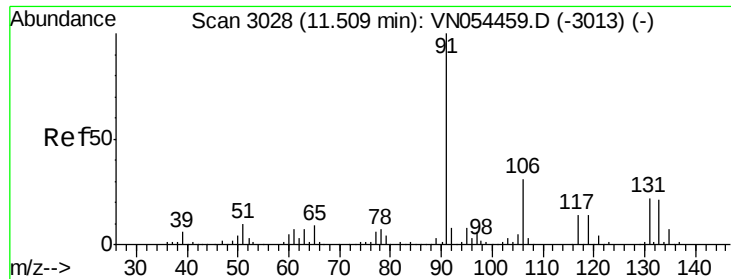
Tot Ion:112 Resp: 230316
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.802 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:131 Resp: 84594
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 67.3 32.4 97.0

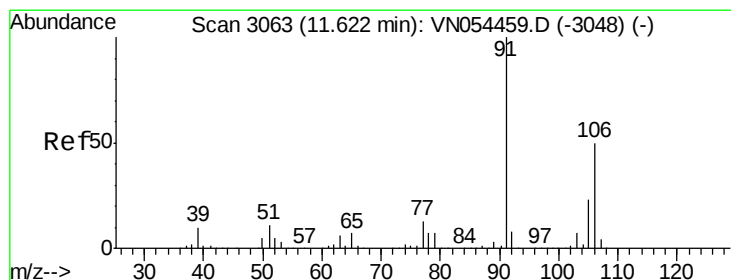
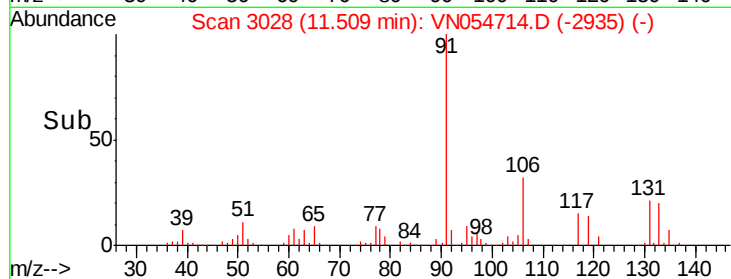
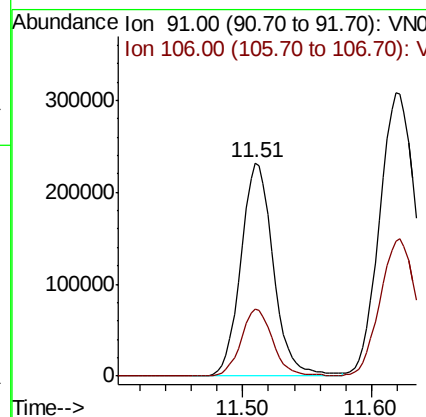
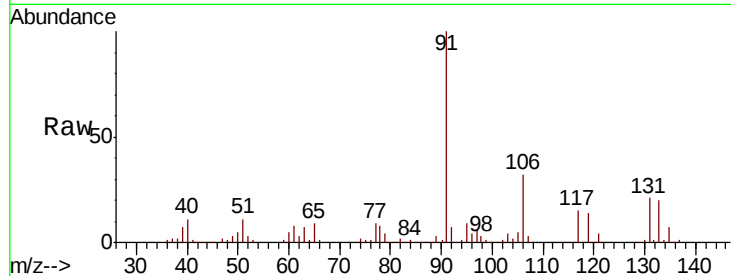




#67
Ethyl Benzene
Concen: 19.303 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

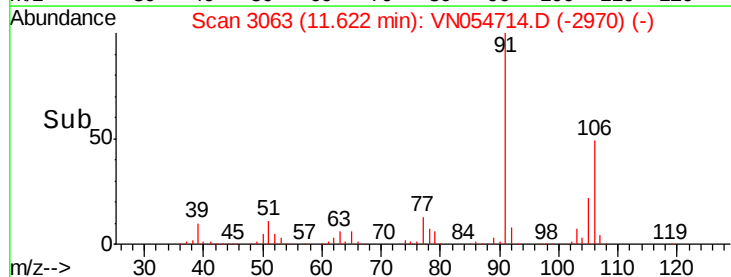
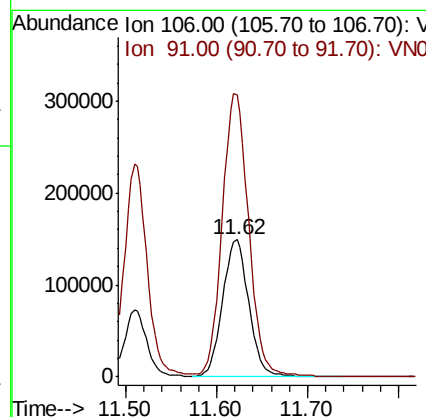
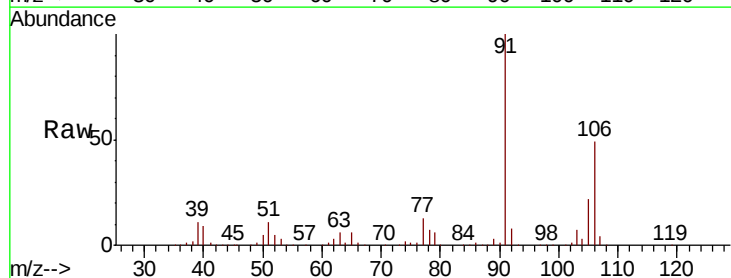
Instrument :
MSVOA_N
ClientSampleId :

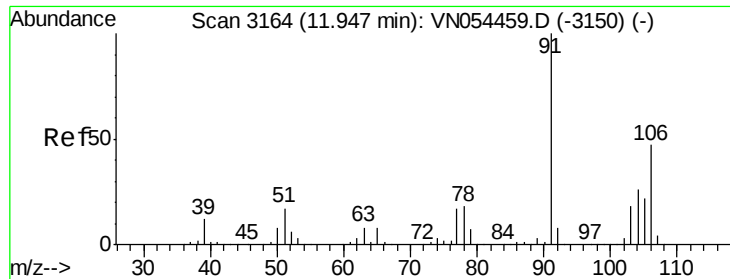
Tot Ion: 91 Resp: 405843
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 37.758 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 106 Resp: 300684
Ion Ratio Lower Upper
106 100
91 207.2 159.4 239.2

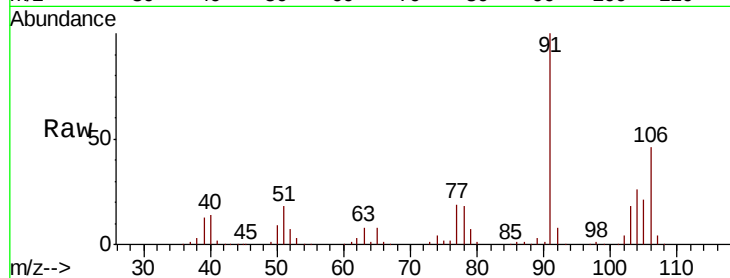




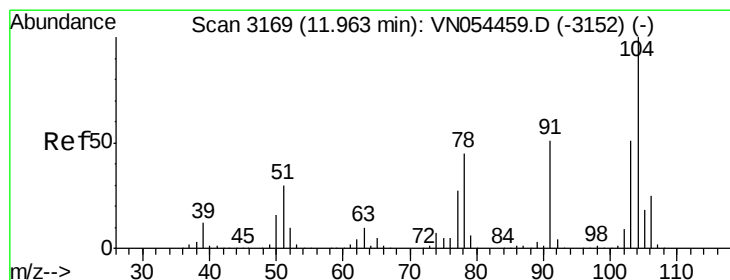
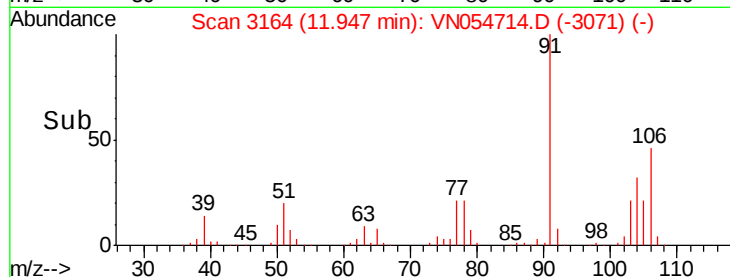
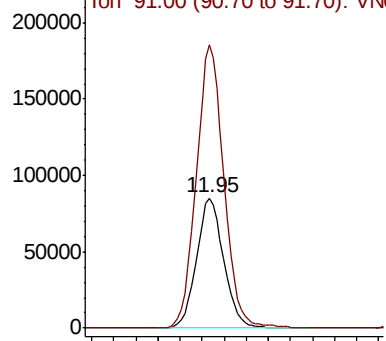
#69
o-Xylene
Concen: 18.729 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 145656
Ion Ratio Lower Upper
106 100
91 219.9 105.7 317.1

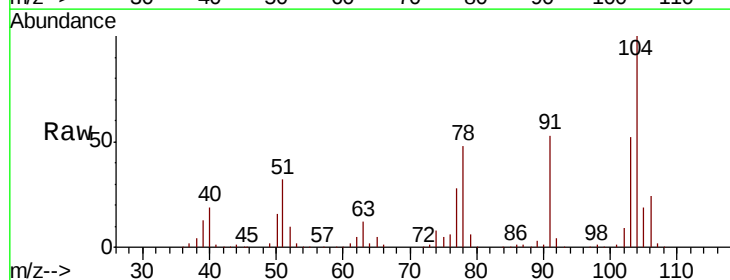


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

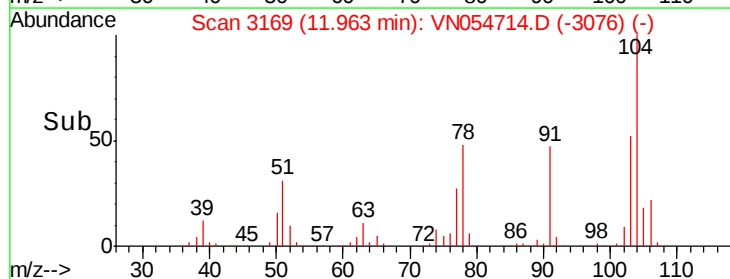
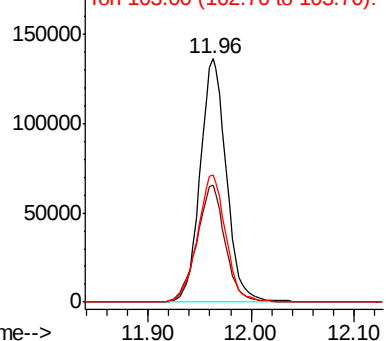


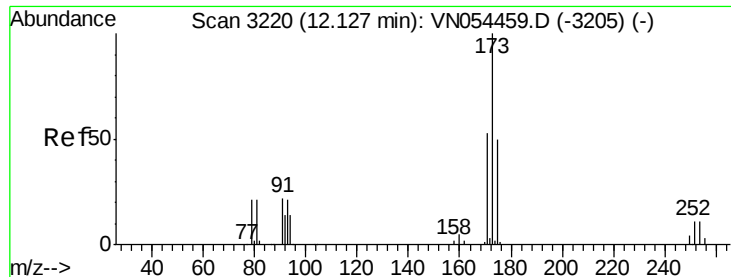
#70
Styrene
Concen: 19.080 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:104 Resp: 240975
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 56.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.417 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

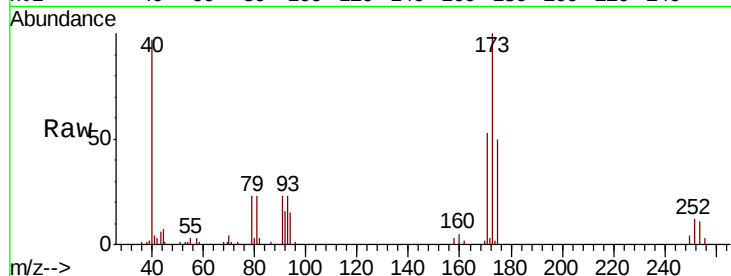
Tot Ion:173 Resp: 43755

Ion Ratio Lower Upper

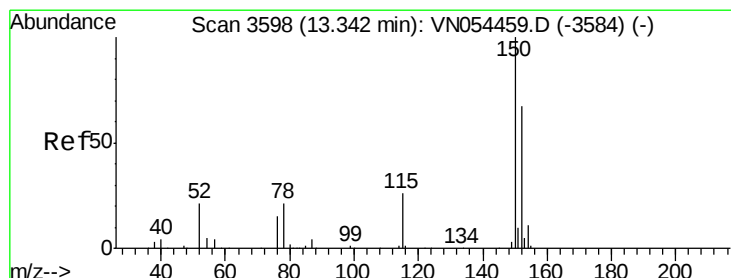
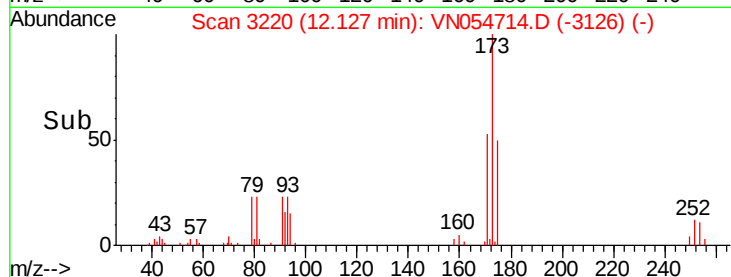
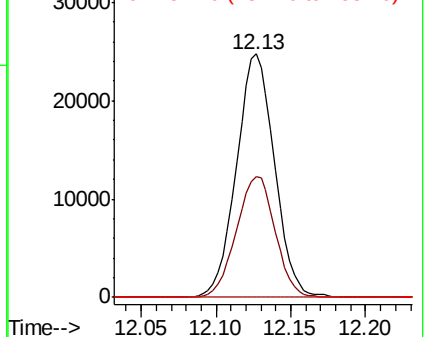
173 100

175 50.5 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: VN054714.D

Acq: 27 Mar 2019 11:46

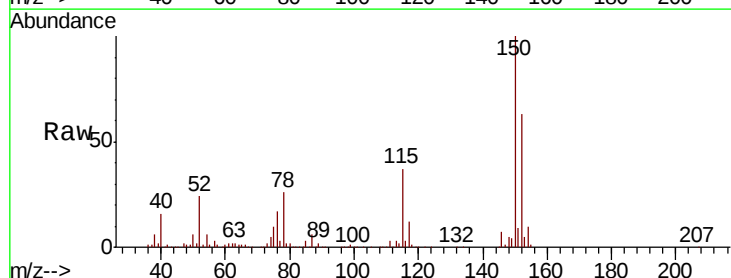
Tgt Ion:152 Resp: 239841

Ion Ratio Lower Upper

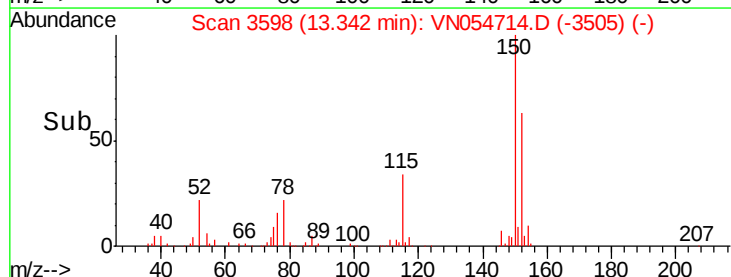
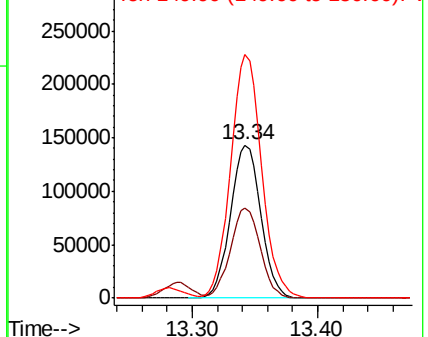
152 100

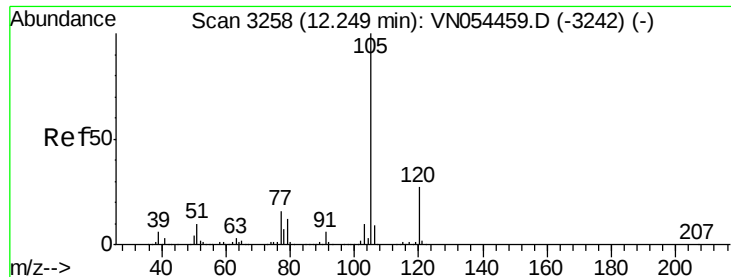
115 58.2 27.2 81.6

150 163.2 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: 20.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

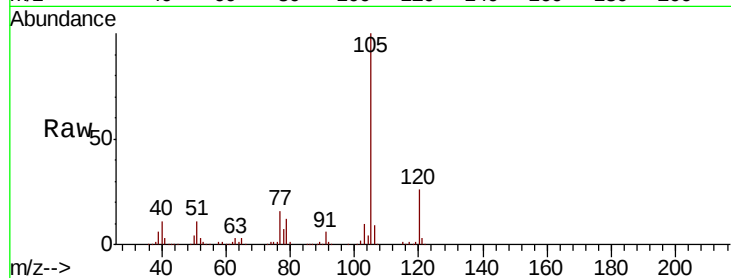
ClientSampled :

Tot Ion:105 Resp: 392486

Ion Ratio Lower Upper

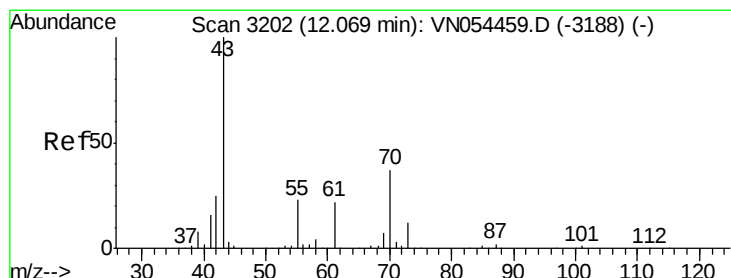
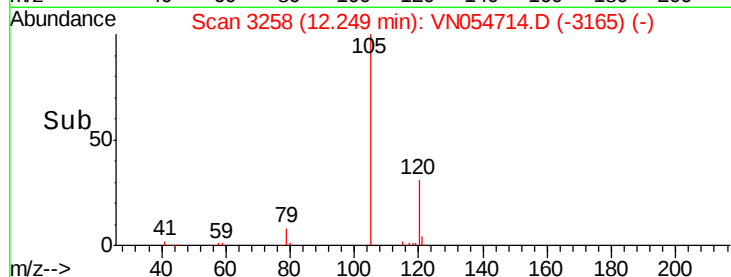
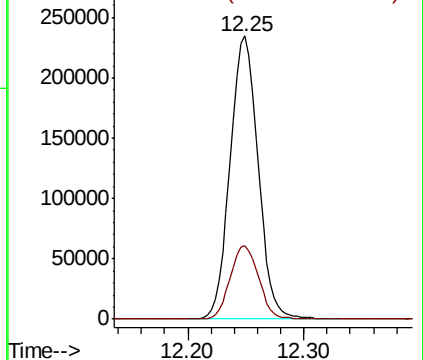
105 100

120 26.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.380 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Tgt Ion: 43 Resp: 118814

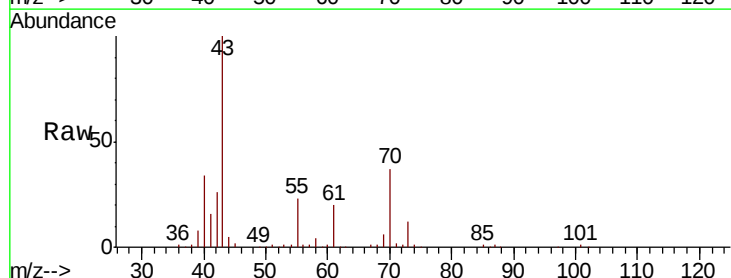
Ion Ratio Lower Upper

43 100

70 35.8 35.4 53.0

55 23.3 19.8 29.6

61 20.7 19.8 29.6

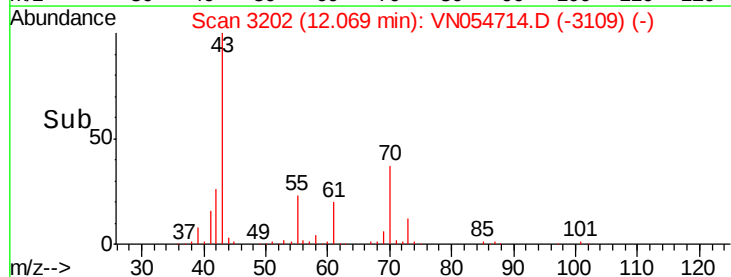
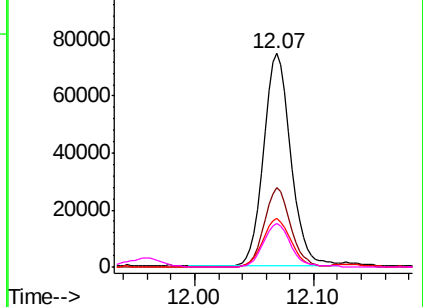


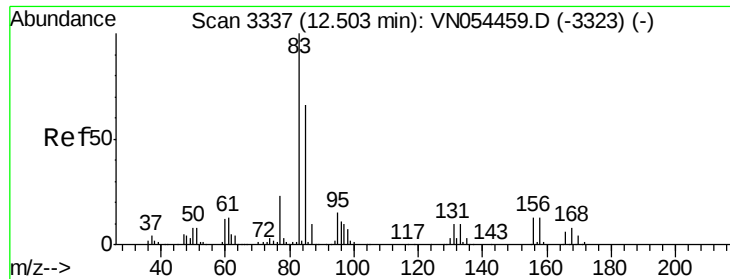
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.834 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

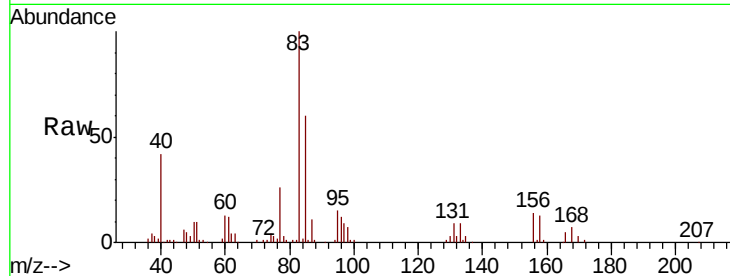
Tot Ion: 83 Resp: 96328

Ion Ratio Lower Upper

83 100

131 10.4 5.8 17.4

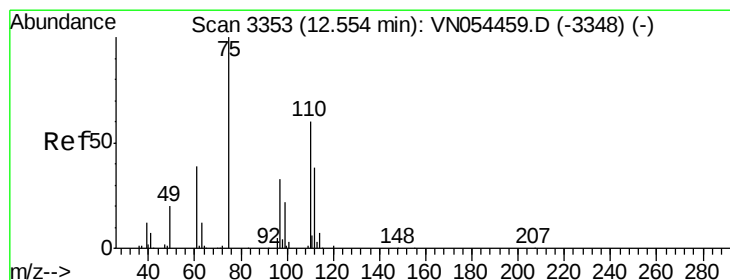
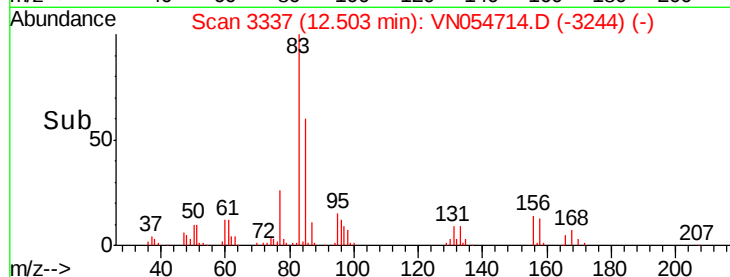
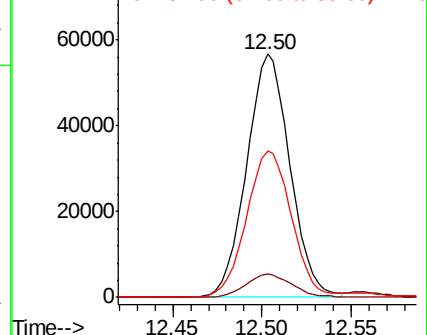
85 63.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 29.155 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054714.D

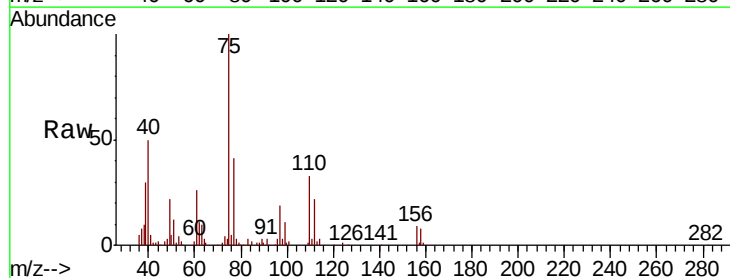
Acq: 27 Mar 2019 11:46

Tgt Ion: 75 Resp: 110963

Ion Ratio Lower Upper

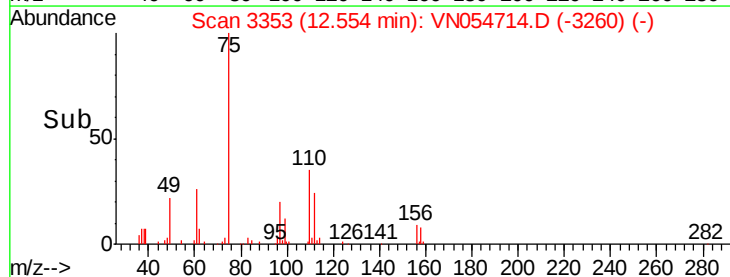
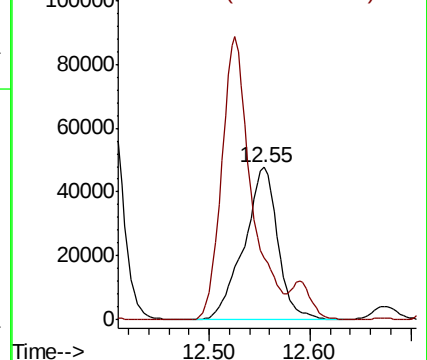
75 100

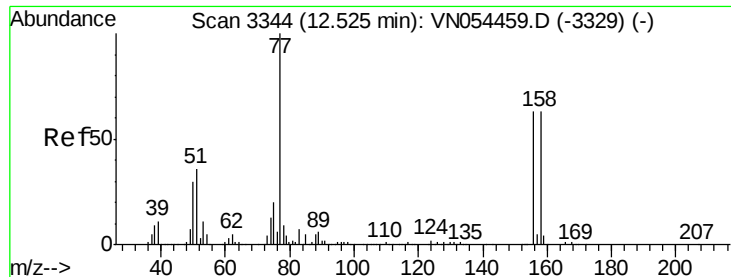
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.779 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

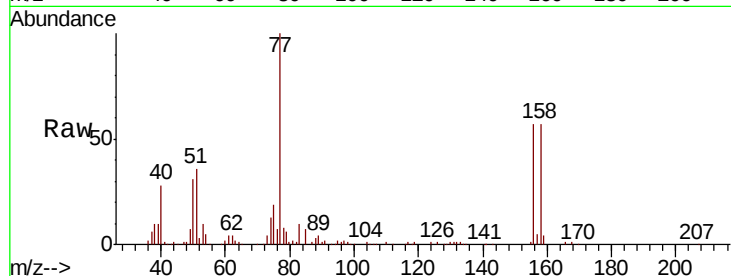
Tot Ion:156 Resp: 94805

Ion Ratio Lower Upper

156 100

77 192.4 81.5 244.4

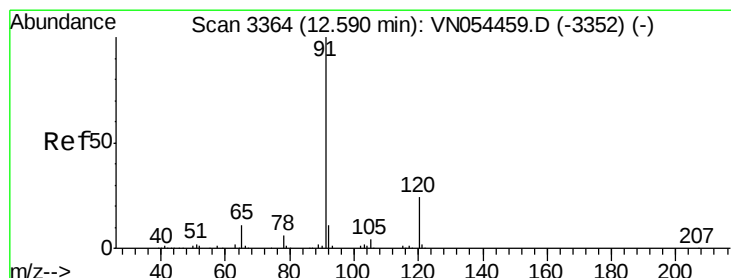
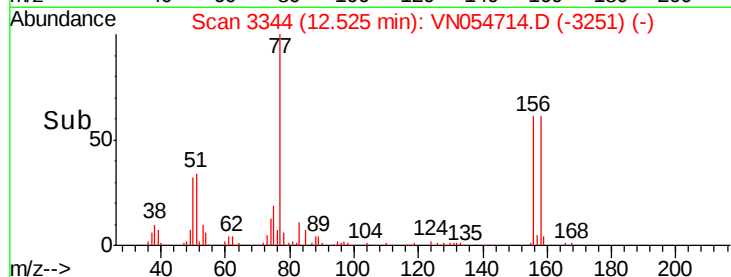
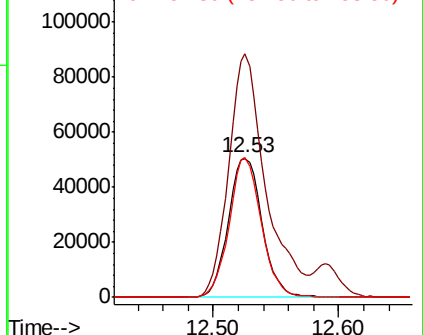
158 95.1 49.0 147.2



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: 20.293 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054714.D

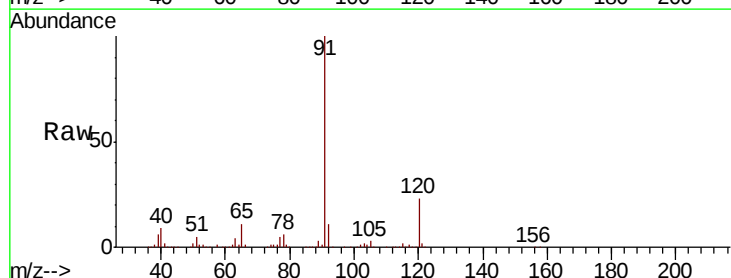
Acq: 27 Mar 2019 11:46

Tgt Ion: 91 Resp: 425292

Ion Ratio Lower Upper

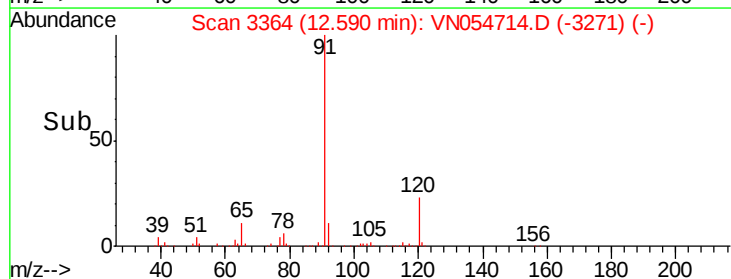
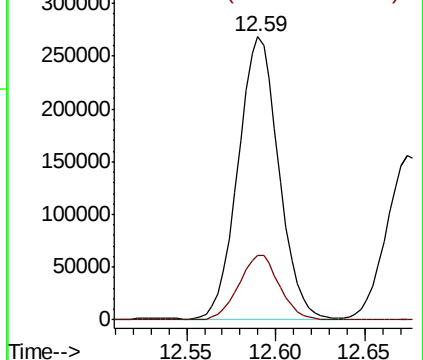
91 100

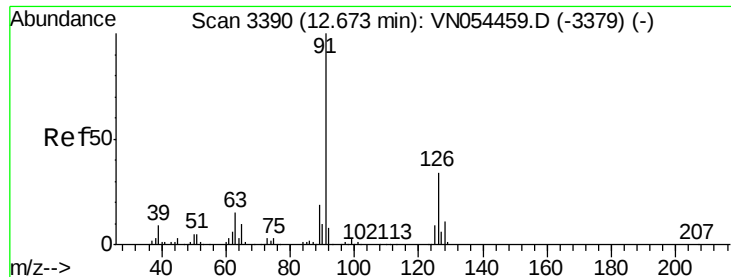
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.305 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

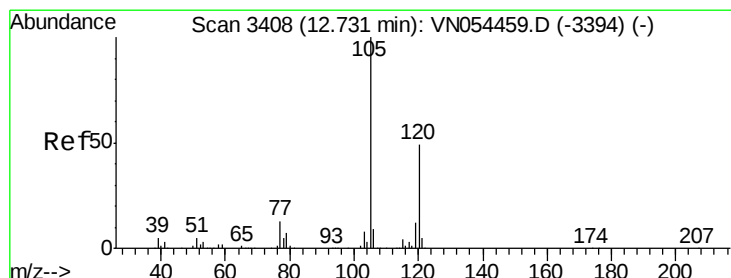
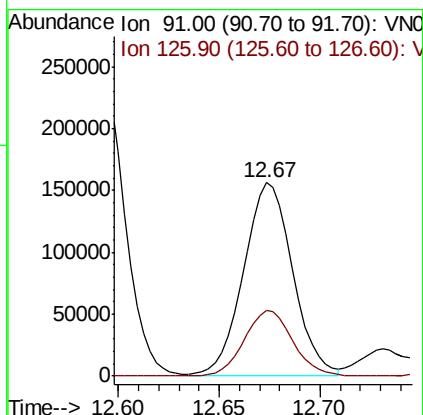
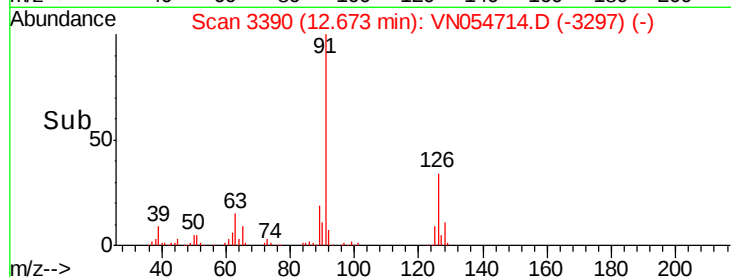
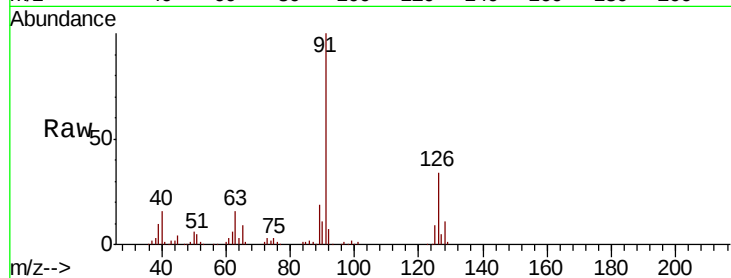
ClientSampled :

Tot Ion: 91 Resp: 265360

Ion Ratio Lower Upper

91 100

126 33.6 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054714.D

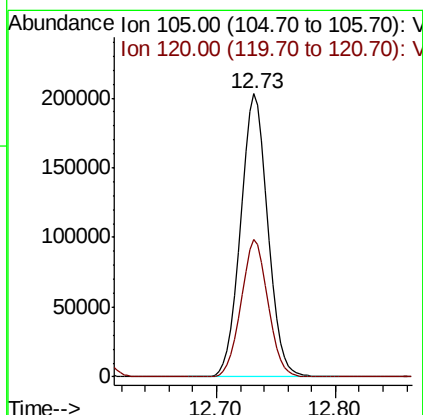
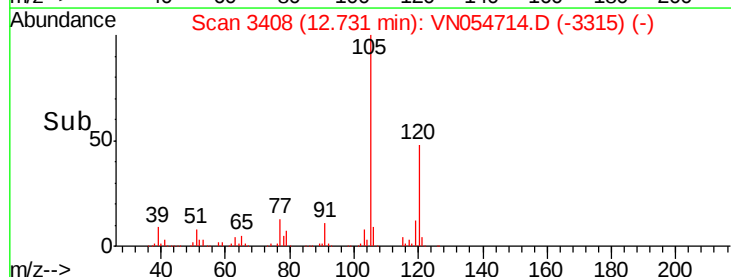
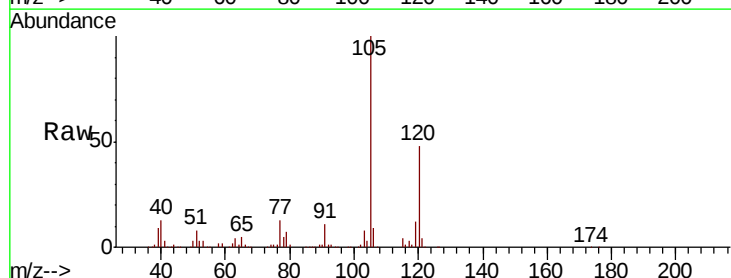
Acq: 27 Mar 2019 11:46

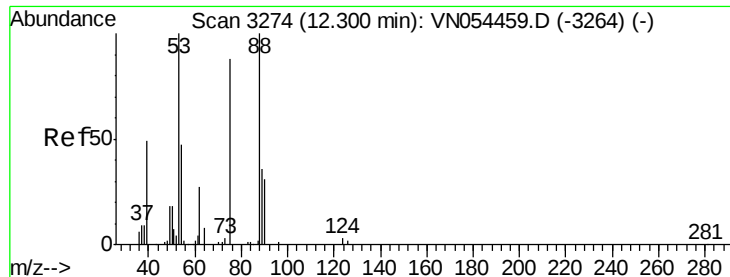
Tgt Ion: 105 Resp: 320399

Ion Ratio Lower Upper

105 100

120 48.1 25.0 75.0

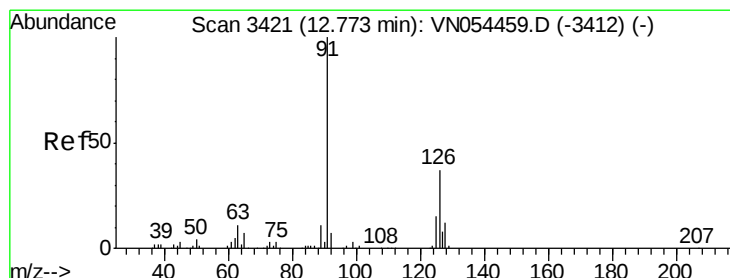
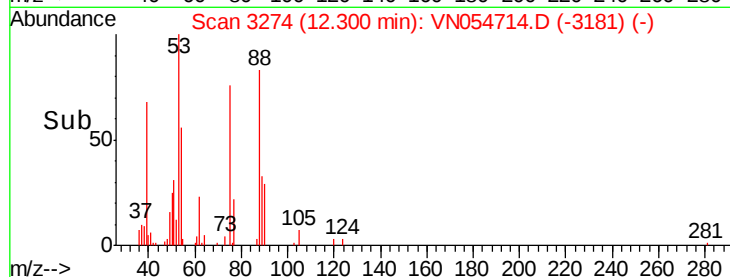
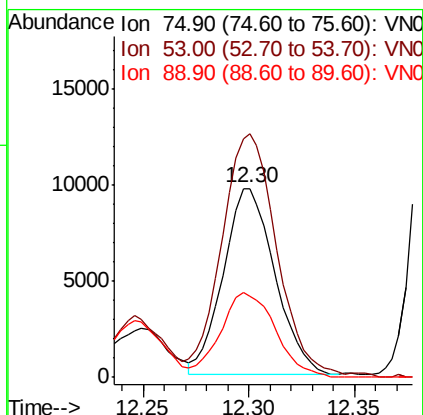
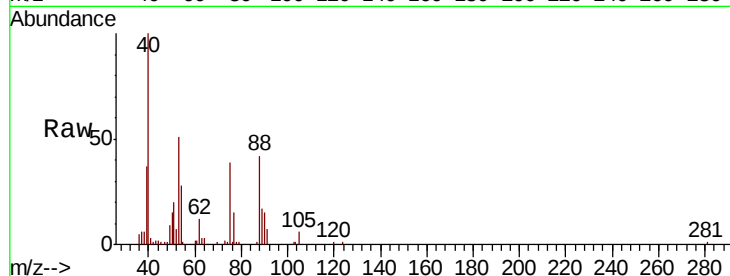




#81
trans-1,4-Dichloro-2-butene
Concen: 17.071 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

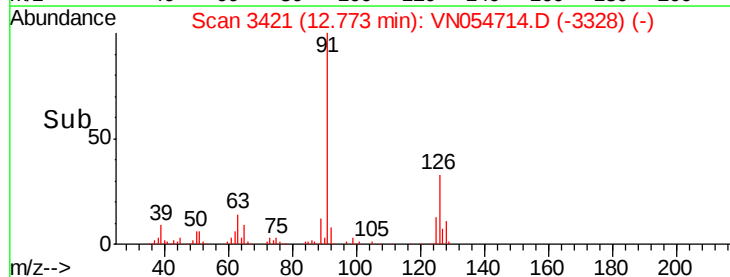
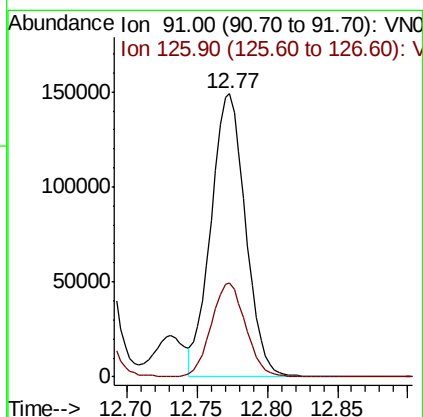
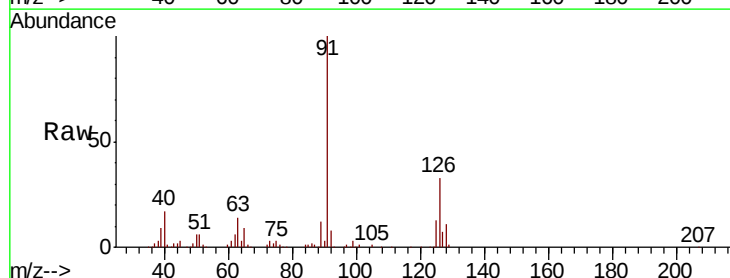
Instrument :
MSVOA_N
ClientSampled :

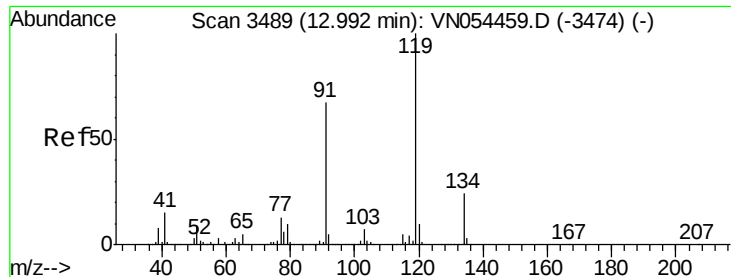
Tot Ion: 75 Resp: 16384
Ion Ratio Lower Upper
75 100
53 137.3 76.2 114.2#
89 49.0 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.980 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 91 Resp: 253105
Ion Ratio Lower Upper
91 100
126 33.0 18.1 54.1

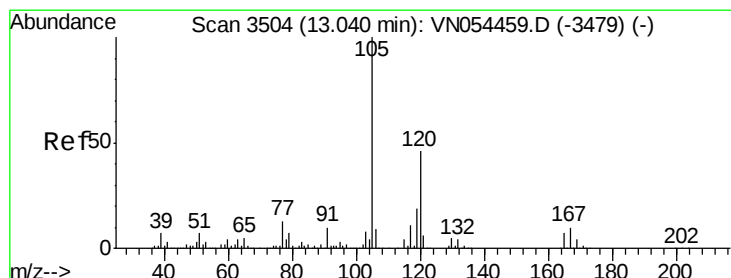
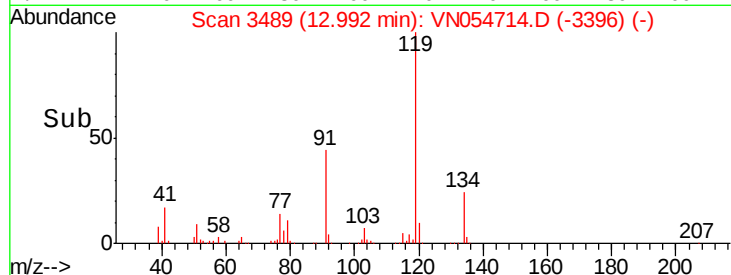
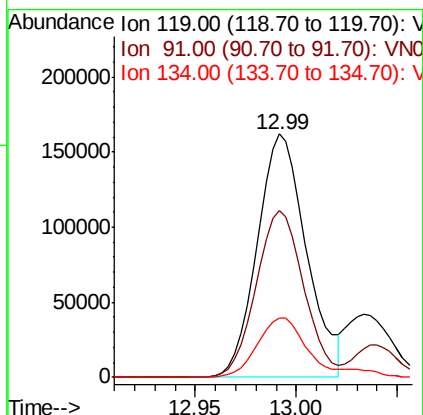
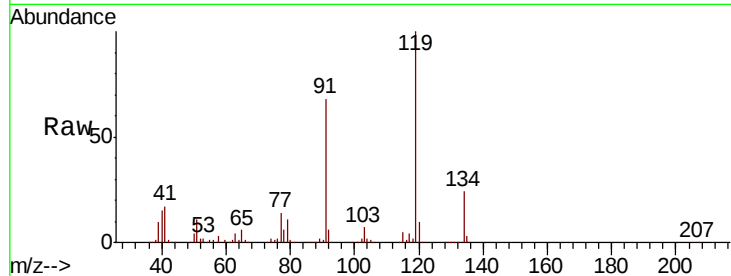




#83
tert-Butylbenzene
Concen: 20.001 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

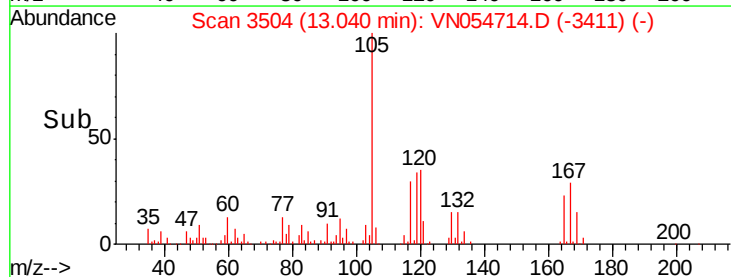
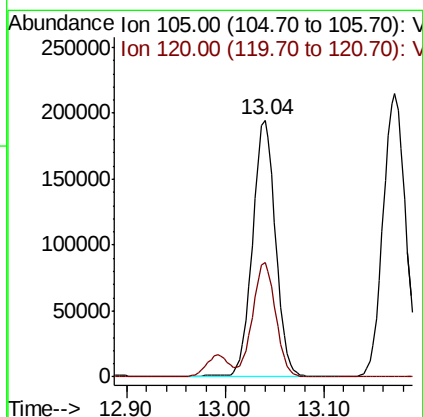
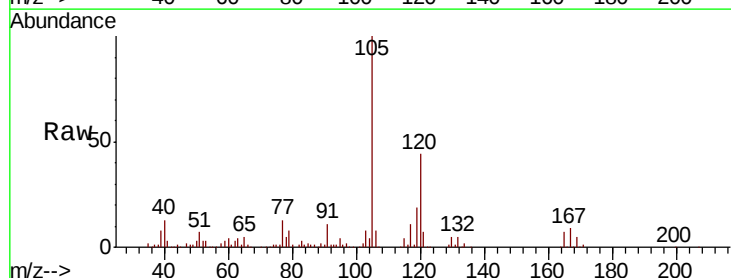
Instrument :
MSVOA_N
ClientSampleId :

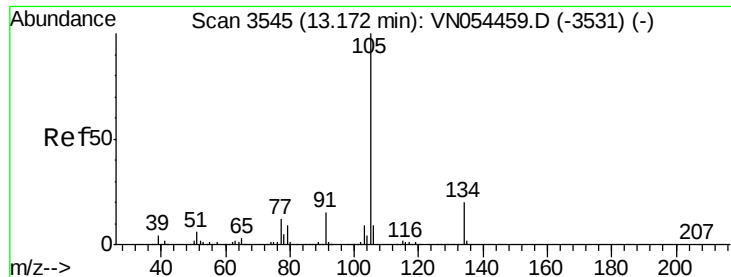
Tot Ion:119 Resp: 275778
Ion Ratio Lower Upper
119 100
91 66.2 30.9 92.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.126 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:105 Resp: 312804
Ion Ratio Lower Upper
105 100
120 44.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.943 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

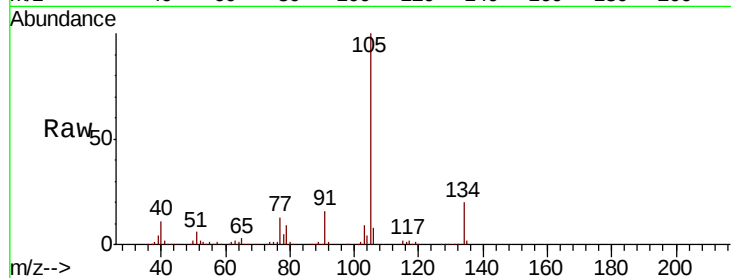
ClientSampleId :

Tot Ion:105 Resp: 342782

Ion Ratio Lower Upper

105 100

134 20.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

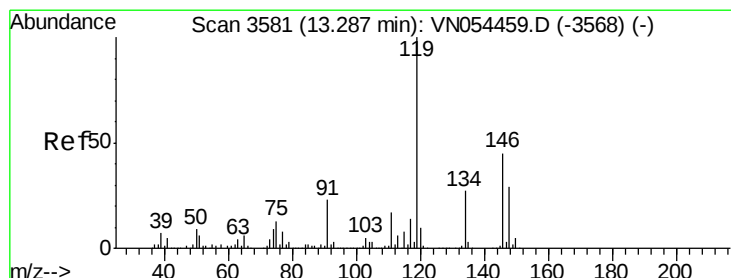
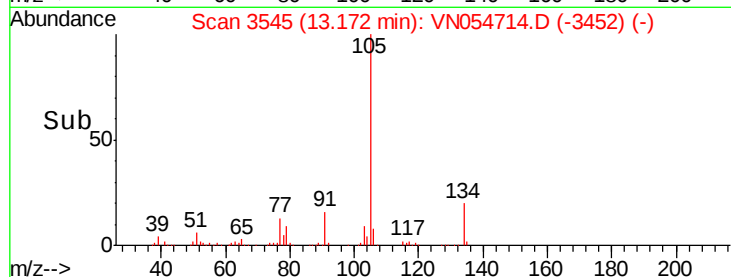
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.452 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

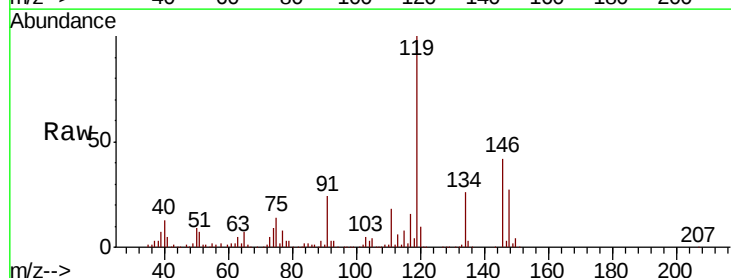
Tgt Ion:119 Resp: 299118

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 24.1 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

250000

200000

150000

100000

50000

0

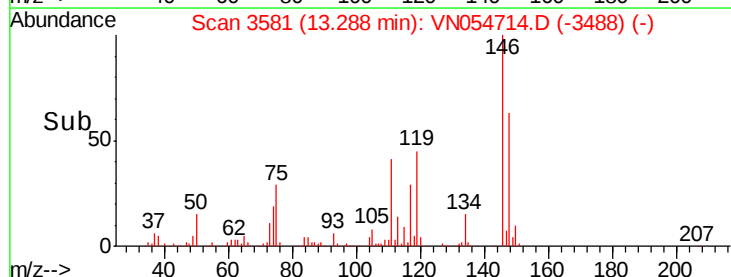
13.20

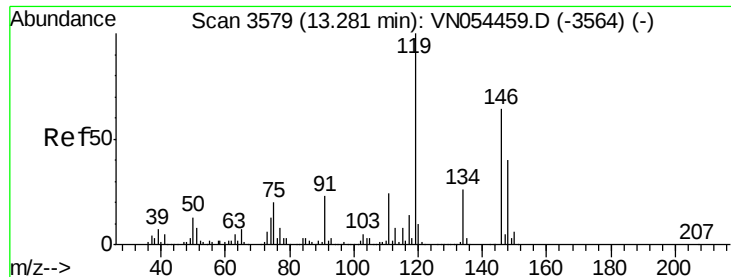
13.25

13.29

13.35

Time-->

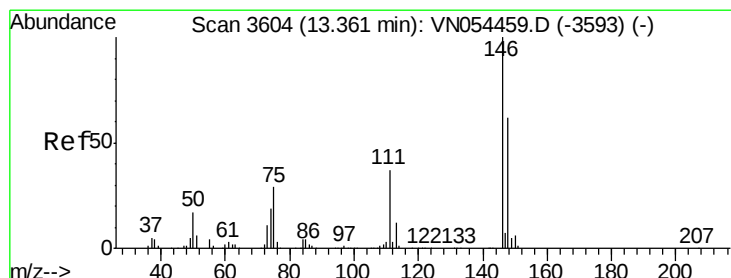
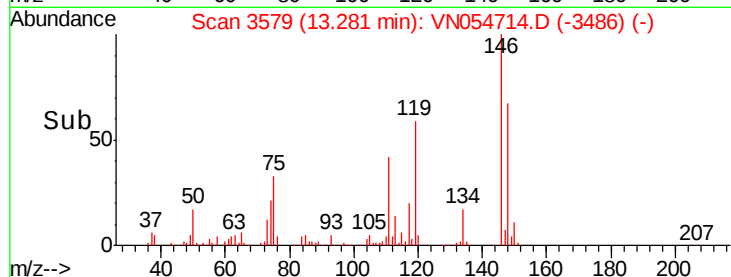
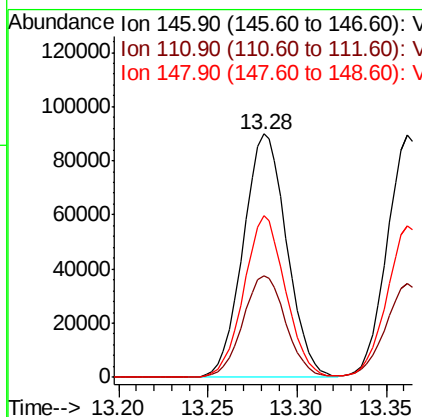
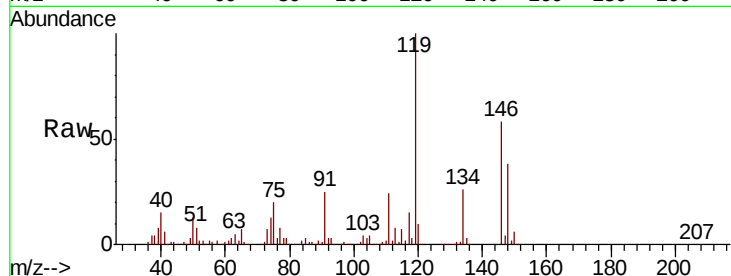




#87
 1,3-Dichlorobenzene
 Concen: 19.336 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

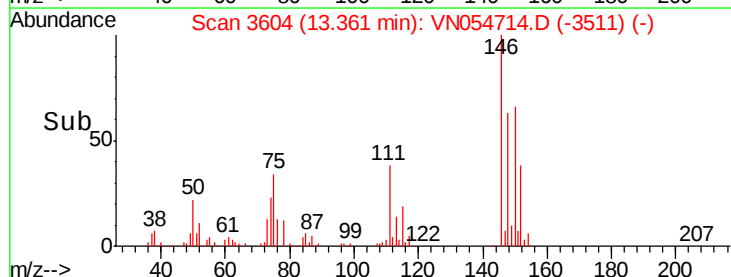
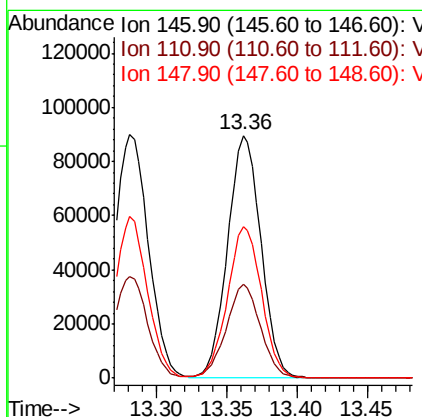
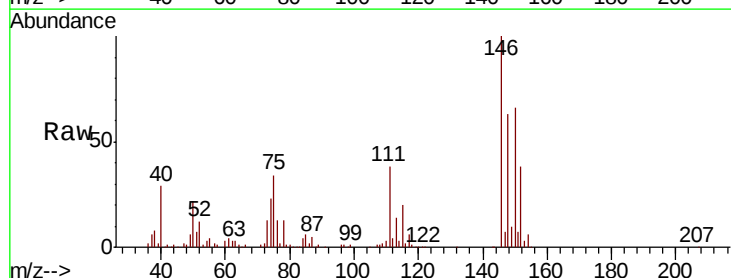
Instrument :
 MSVOA_N
 ClientSampled :

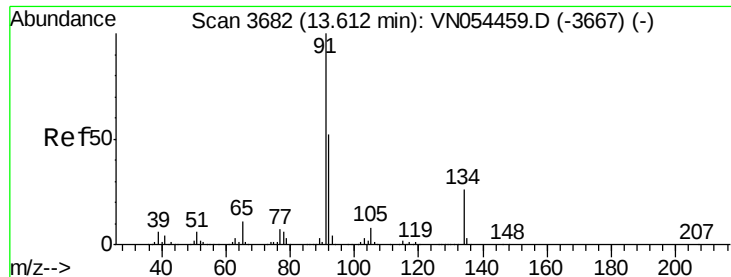
Tot Ion:146 Resp: 153592
 Ion Ratio Lower Upper
 146 100
 111 41.1 18.8 56.3
 148 63.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.243 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion:146 Resp: 148719
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.1 54.1
 148 63.7 32.0 96.0

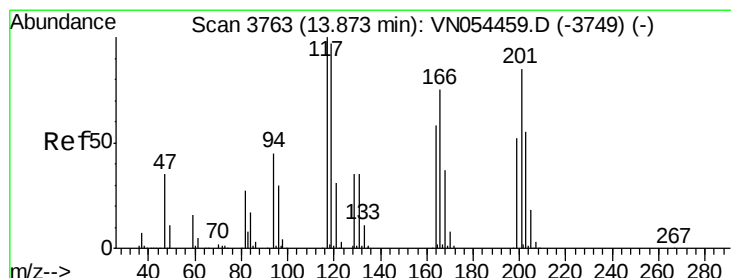
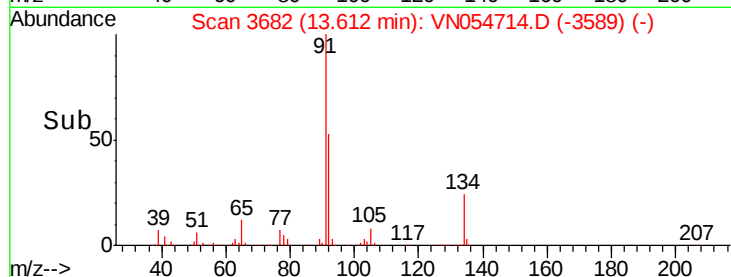
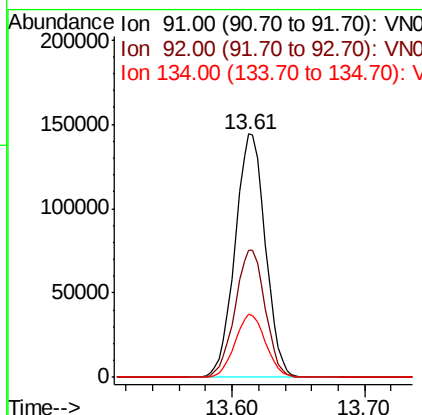
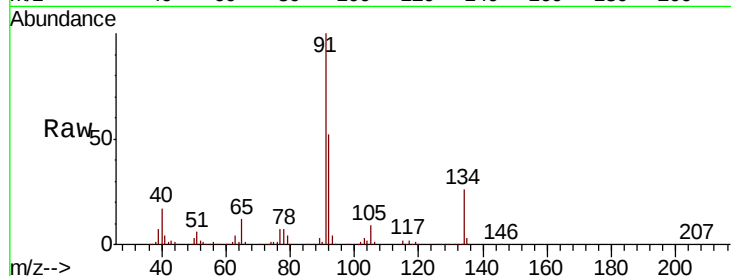




#89
n-Butylbenzene
Concen: 19.006 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

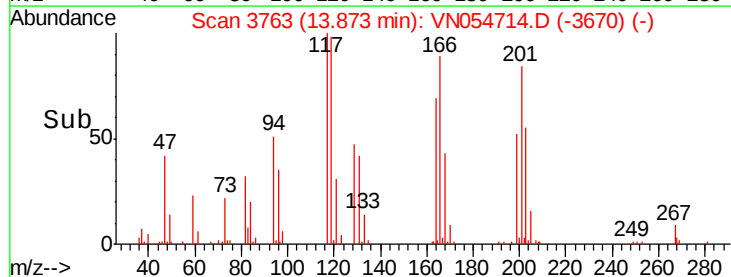
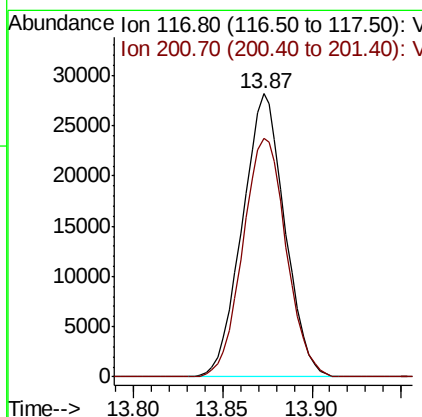
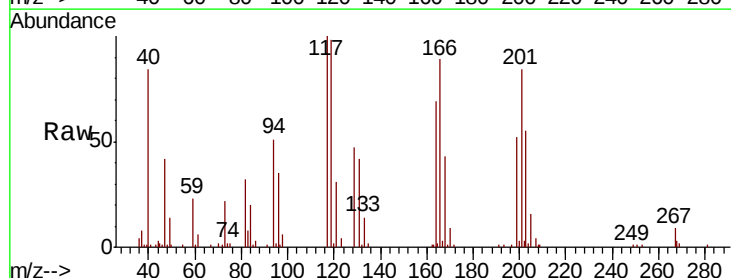
Instrument :
MSVOA_N
ClientSampleId :

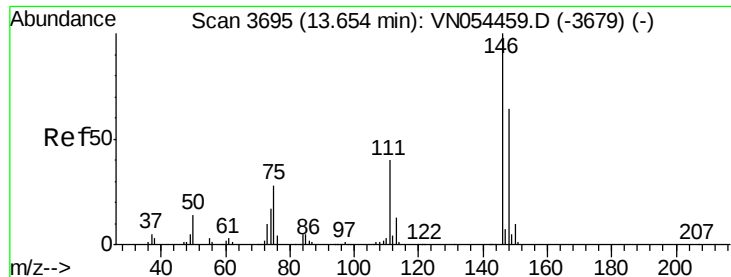
Tot Ion: 91 Resp: 228531
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 26.0 14.3 42.9



#90
Hexachloroethane
Concen: 19.671 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion: 117 Resp: 46952
Ion Ratio Lower Upper
117 100
201 86.1 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.014 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

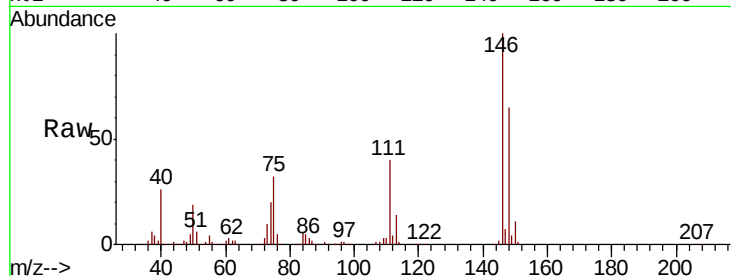
Tot Ion:146 Resp: 153985

Ion Ratio Lower Upper

146 100

111 40.7 19.1 57.3

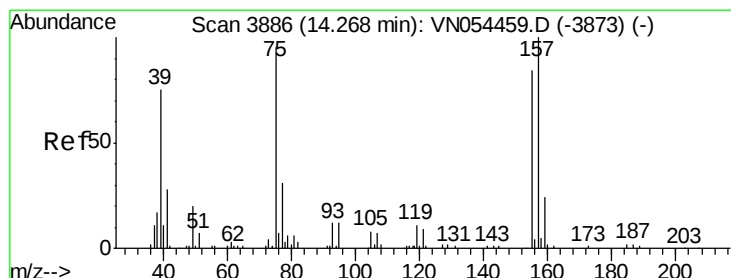
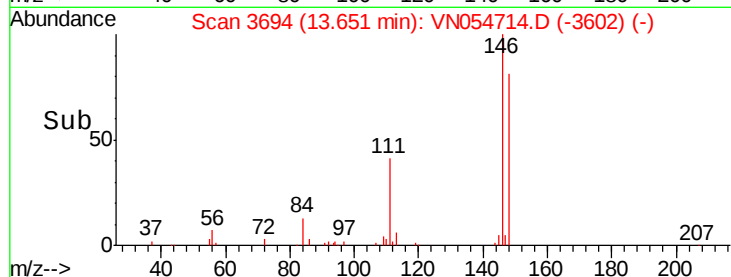
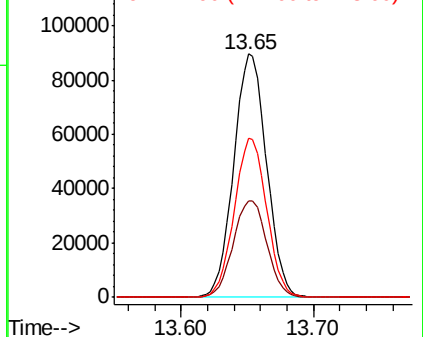
148 64.5 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.993 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054714.D

Acq: 27 Mar 2019 11:46

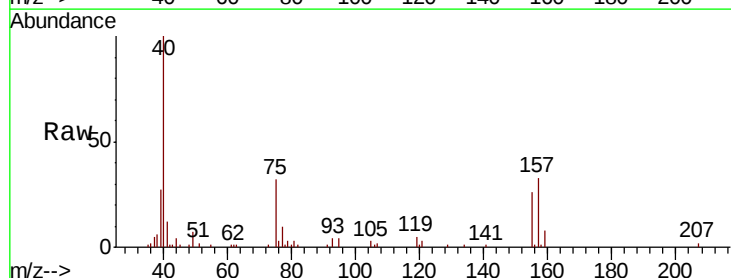
Tgt Ion: 75 Resp: 12938

Ion Ratio Lower Upper

75 100

155 83.8 50.1 150.3

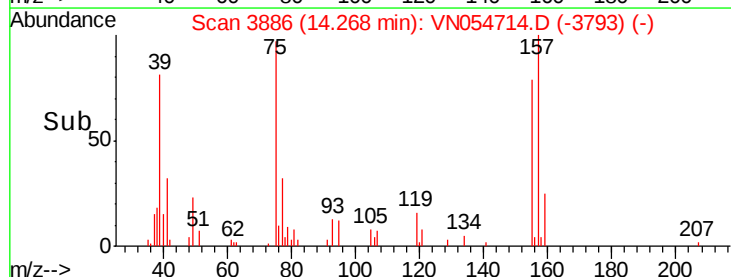
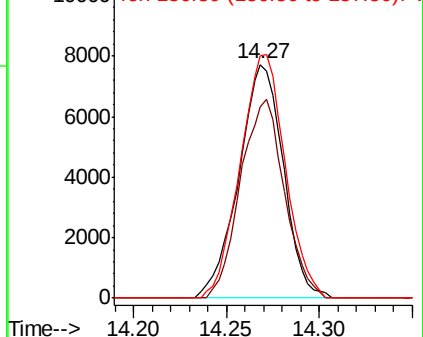
157 105.3 63.1 189.3

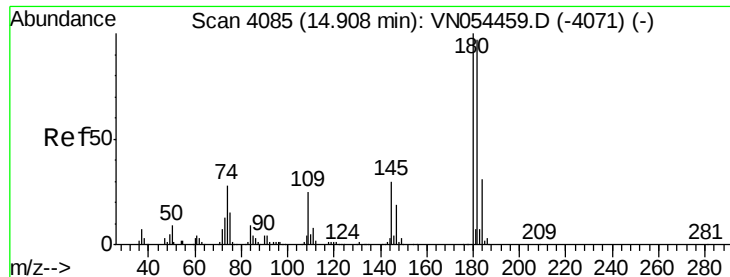


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

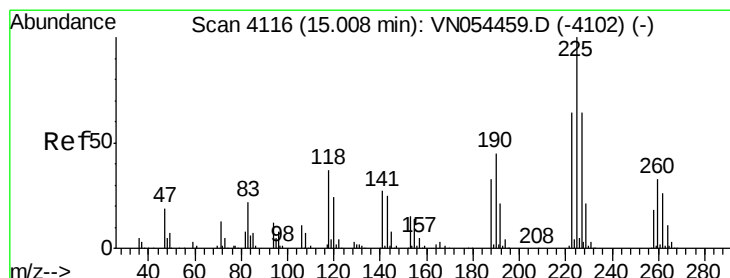
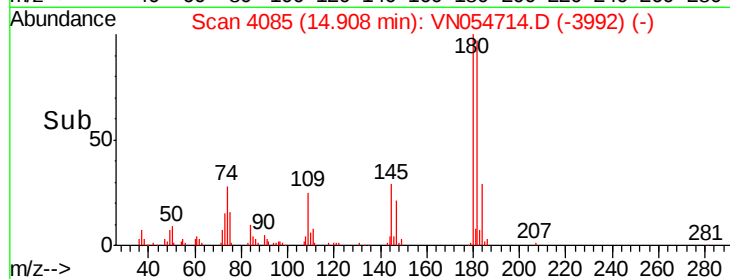
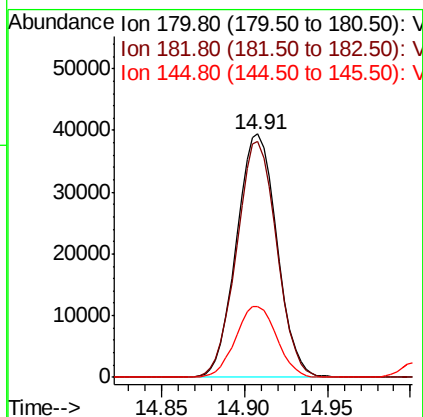
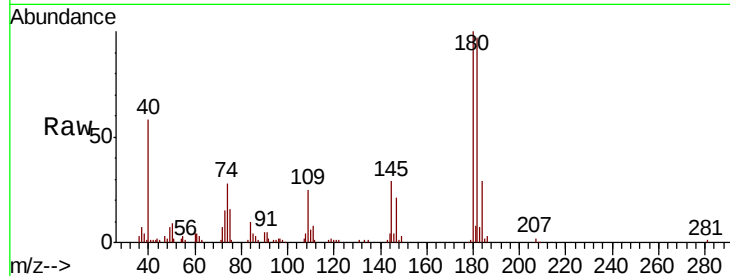




#93
 1,2,4-Trichlorobenzene
 Concen: 17.451 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

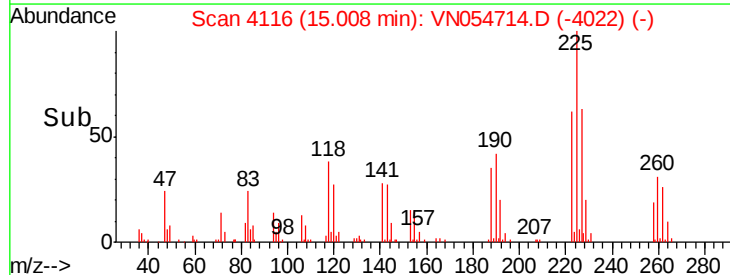
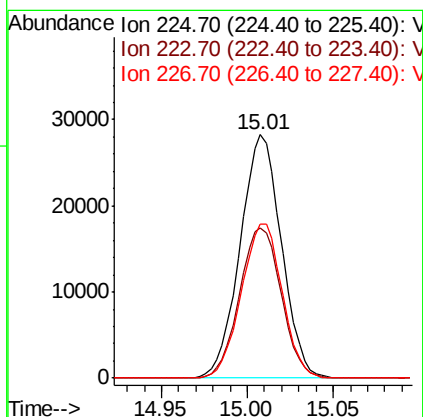
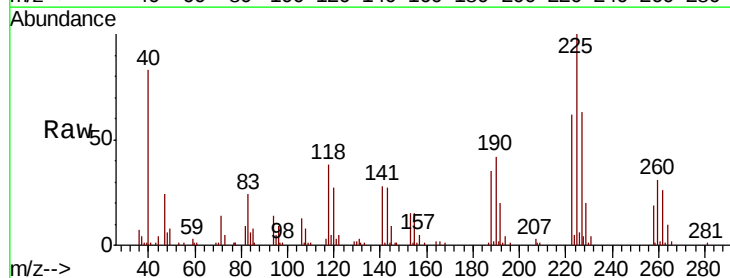
Instrument :
 MSVOA_N
 ClientSampled :

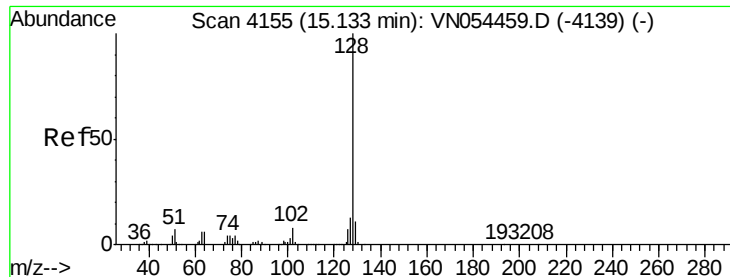
Tot Ion:180 Resp: 66932
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 29.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.321 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054714.D
 Acq: 27 Mar 2019 11:46

Tgt Ion:225 Resp: 46960
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 62.7 31.9 95.9

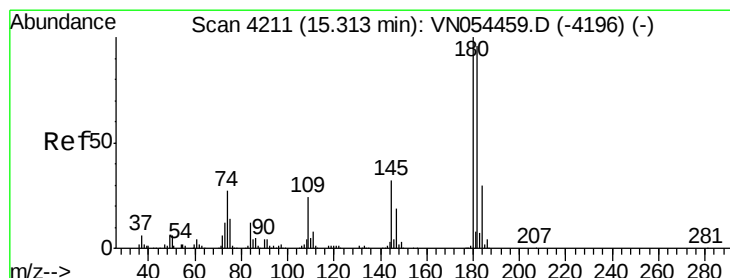
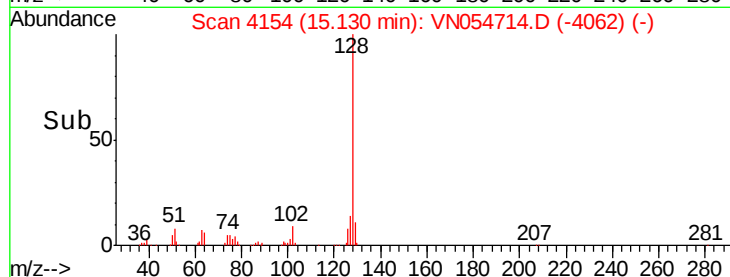
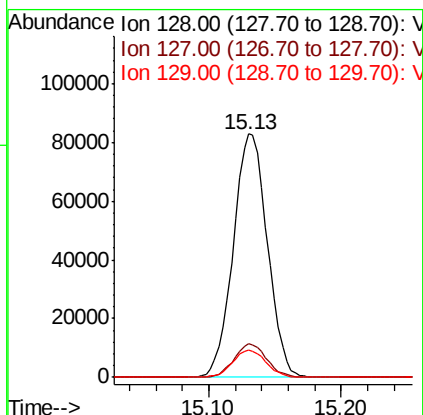
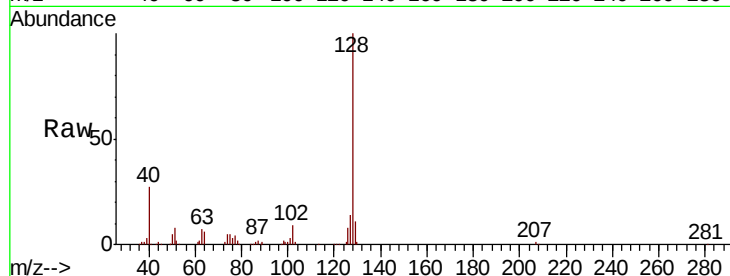




#95
Naphthalene
Concen: 17.261 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 147668
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.658 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054714.D
Acq: 27 Mar 2019 11:46

Tgt Ion:180 Resp: 67407
Ion Ratio Lower Upper
180 100
182 97.5 47.5 142.6
145 32.2 14.8 44.3

