

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054967.D
 Acq On : 5 Apr 2019 11:46
 Operator : JC/SP
 Sample : VN0405WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	438449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	721790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	296938	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	237959	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.09	98	885084	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	287928	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110198	21.019	ug/l	99
3) Chloromethane	2.06	50	135391	19.532	ug/l	100
4) Vinyl Chloride	2.19	62	120684	19.926	ug/l	97
5) Bromomethane	2.58	94	67285	19.462	ug/l	95
6) Chloroethane	2.71	64	66103	19.569	ug/l	98
7) Trichlorofluoromethane	3.03	101	147551	20.065	ug/l	98
8) Diethyl Ether	3.42	74	48276	20.613	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75496	19.378	ug/l	95
10) Methyl Iodide	3.95	142	107059	19.494	ug/l	99
11) Tert butyl alcohol	4.81	59	32257	108.132	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	74539	19.287	ug/l	98
13) Acrolein	3.61	56	40589	92.458	ug/l	100
14) Allyl chloride	4.32	41	176226	20.545	ug/l	98
15) Acrylonitrile	5.00	53	183633	102.652	ug/l	100
16) Acetone	3.82	43	149713	89.591	ug/l	99
17) Carbon Disulfide	4.04	76	239890	19.500	ug/l	100
18) Methyl Acetate	4.34	43	85955	21.962	ug/l	96
19) Methyl tert-butyl Ether	5.06	73	258753	20.641	ug/l	100
20) Methylene Chloride	4.55	84	106577	19.864	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	97277	20.153	ug/l	99
22) Diisopropyl ether	5.96	45	364422	20.686	ug/l	99
23) Vinyl Acetate	5.90	43	1261531	102.912	ug/l	100
24) 1,1-Dichloroethane	5.85	63	196317	20.435	ug/l	99
25) 2-Butanone	6.85	43	226059	104.143	ug/l	99
26) 2,2-Dichloropropane	6.82	77	134657	19.995	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	110915	20.257	ug/l	100
28) Bromochloromethane	7.20	49	87711	19.489	ug/l	99
29) Tetrahydrofuran	7.22	42	150639	105.877	ug/l	99
30) Chloroform	7.37	83	189283	20.790	ug/l	99
31) Cyclohexane	7.65	56	186592	19.544	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	152974	19.911	ug/l	99
36) 1,1-Dichloropropene	7.79	75	139417	19.494	ug/l	99
37) Ethyl Acetate	6.94	43	100274	20.431	ug/l	99
38) Carbon Tetrachloride	7.77	117	132125	19.130	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157753	20.050	ug/l	97
40) Benzene	8.04	78	425926	20.697	ug/l	99
41) Methacrylonitrile	7.18	41	51003	18.174	ug/l	95
42) 1,2-Dichloroethane	8.13	62	146077	20.200	ug/l	99
43) Isopropyl Acetate	8.17	43	167770	20.283	ug/l	99
44) Trichloroethene	8.83	130	107747	20.477	ug/l	98
45) 1,2-Dichloropropane	9.12	63	117168	20.434	ug/l	99
46) Dibromomethane	9.21	93	64743	19.911	ug/l	98
47) Bromodichloromethane	9.40	83	137245	20.096	ug/l	98
48) Methyl methacrylate	9.20	41	84633	20.212	ug/l	97
49) 1,4-Dioxane	9.20	88	18422	435.878	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	477833	103.552	ug/l	100
52) Toluene	10.16	92	247198	20.379	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	122362	18.650	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	157288	20.463	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	90355	20.545	ug/l	99
56) Ethyl methacrylate	10.43	69	110686	19.249	ug/l	97
57) 1,3-Dichloropropane	10.71	76	158905	20.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224334	94.221	ug/l	99
59) 2-Hexanone	10.75	43	292468	101.473	ug/l	99
60) Dibromochloromethane	10.90	129	92688	20.121	ug/l	99
61) 1,2-Dibromoethane	11.01	107	86566	20.934	ug/l	99
64) Tetrachloroethene	10.63	164	102109	20.444	ug/l	98
65) Chlorobenzene	11.43	112	255979	20.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95431	20.649	ug/l	99
67) Ethyl Benzene	11.51	91	460788	20.246	ug/l	97
68) m/p-Xylenes	11.62	106	338914	40.736	ug/l	100
69) o-Xylene	11.95	106	168874	20.810	ug/l	98
70) Styrene	11.96	104	270548	20.785	ug/l	99
71) Bromoform	12.12	173	54443	19.599	ug/l #	98
73) Isopropylbenzene	12.25	105	442263	20.803	ug/l	99
74) N-amyl acetate	12.07	43	126631	21.429	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	106193	21.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	123238	30.362	ug/l #	100
77) Bromobenzene	12.53	156	106020	20.592	ug/l	98
78) n-propylbenzene	12.59	91	487530	20.815	ug/l	99
79) 2-Chlorotoluene	12.67	91	298693	20.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362331	20.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21728	19.943	ug/l	97
82) 4-Chlorotoluene	12.77	91	286861	20.893	ug/l	97
83) tert-Butylbenzene	12.99	119	303342	20.424	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	352915	20.892	ug/l	99
85) sec-Butylbenzene	13.17	105	391592	20.384	ug/l	100
86) p-Isopropyltoluene	13.29	119	339365	20.502	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174485	20.374	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	165061	20.245	ug/l	98
89) n-Butylbenzene	13.61	91	268746	20.316	ug/l	98
90) Hexachloroethane	13.87	117	56409	20.288	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	172310	20.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14464	19.876	ug/l	98

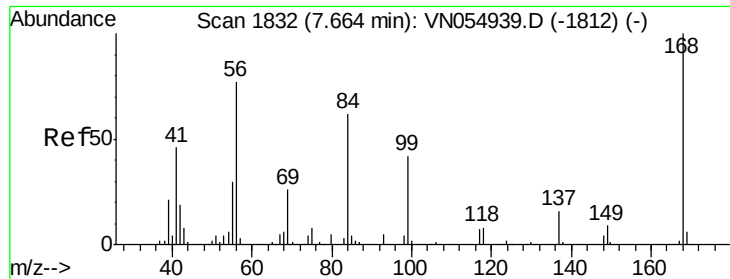
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Quant Title : SW846 8260
QLast Update : Fri Apr 05 02:23:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71674	17.972	ug/l	99
94) Hexachlorobutadiene	15.01	225	53778	19.117	ug/l	97
95) Naphthalene	15.13	128	156435	18.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74731	19.354	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

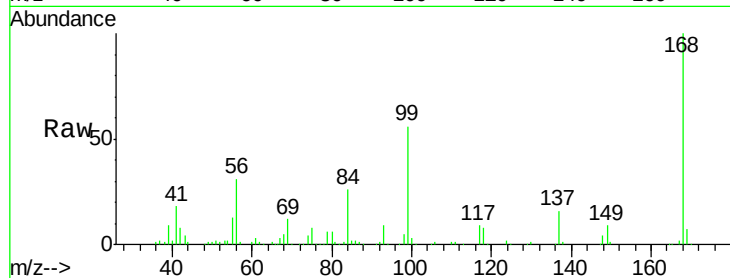
ClientSampleId :

Tot Ion:168 Resp: 438449

Ion Ratio Lower Upper

168 100

99 54.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

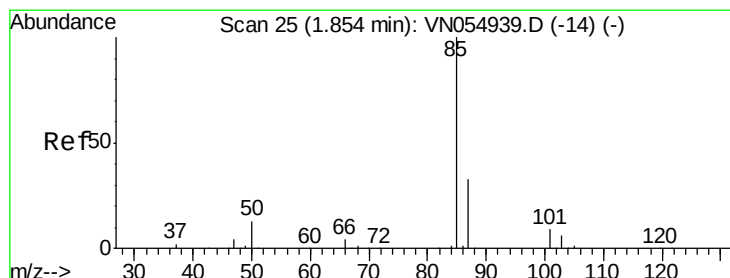
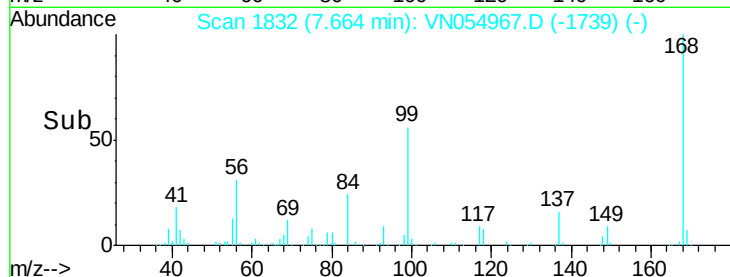
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.019 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054967.D

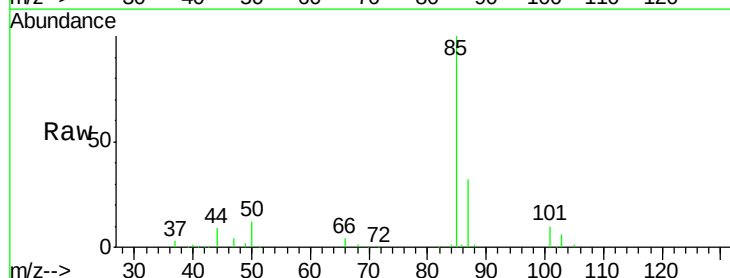
Acq: 5 Apr 2019 11:46

Tgt Ion: 85 Resp: 110198

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

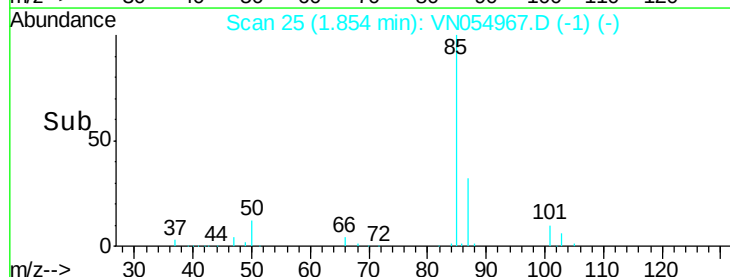
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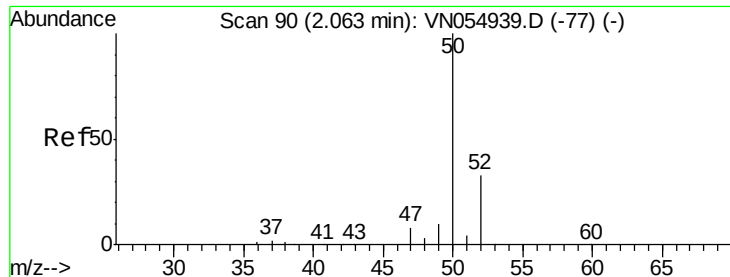
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.532 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

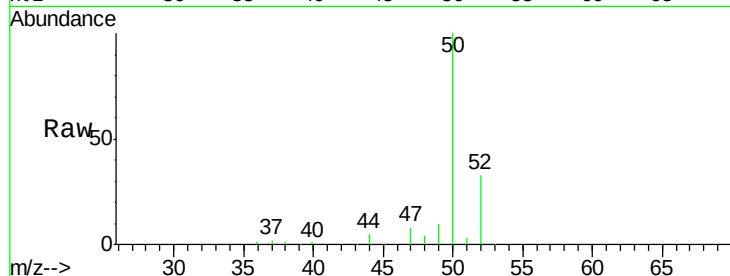
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 135391

Ion Ratio Lower Upper

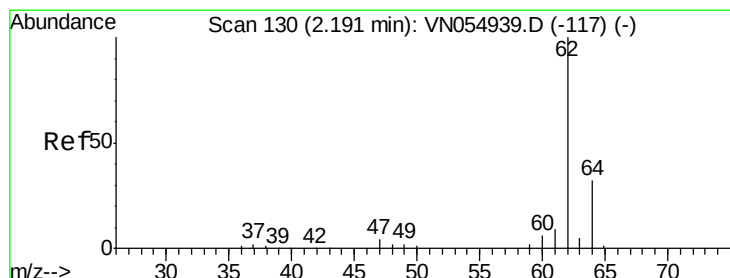
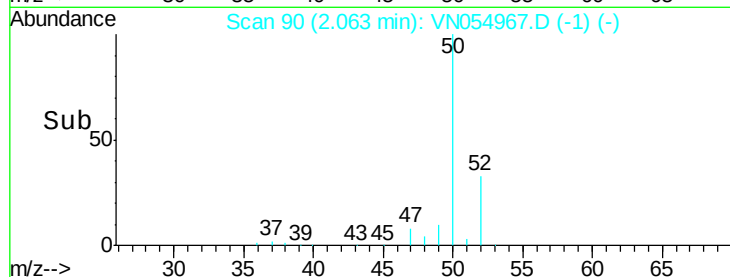
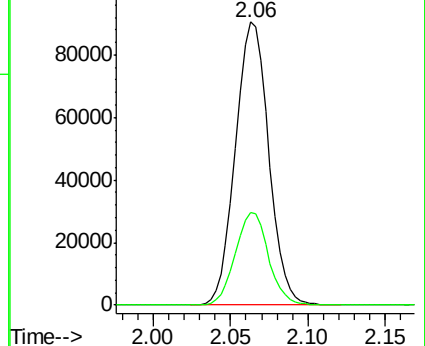
50 100

52 32.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN054939.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN054939.D (-77) (-)



#4

Vinyl Chloride

Concen: 19.926 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054967.D

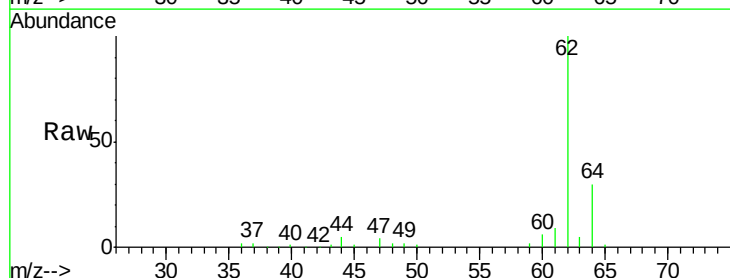
Acq: 5 Apr 2019 11:46

Tgt Ion: 62 Resp: 120684

Ion Ratio Lower Upper

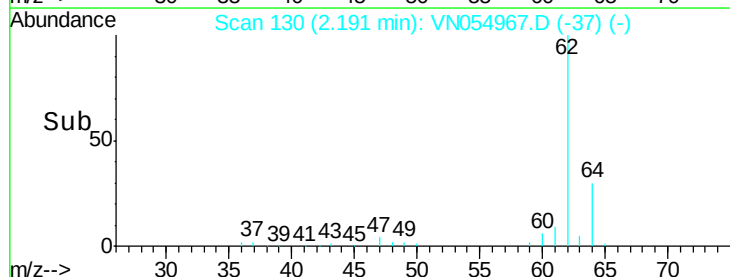
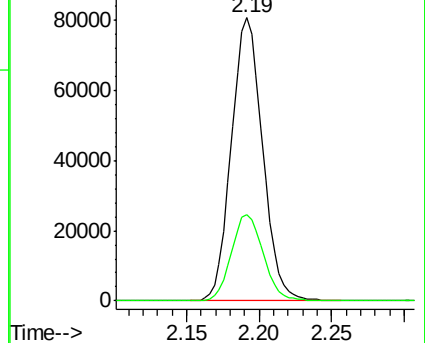
62 100

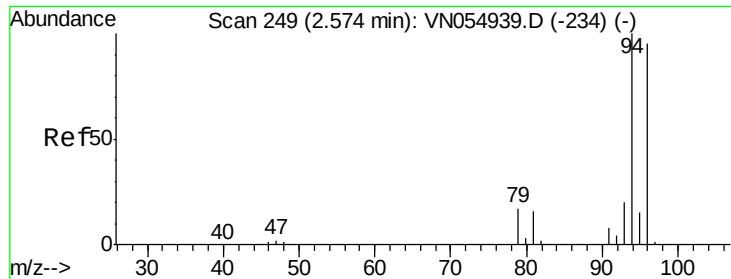
64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054939.D (-117) (-)

Ion 63.90 (63.60 to 64.60): VN054939.D (-117) (-)





#5

Bromomethane

Concen: 19.462 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

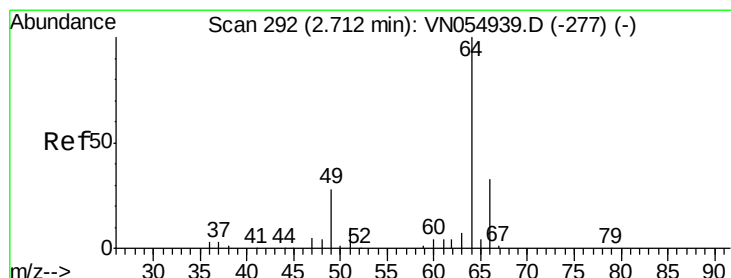
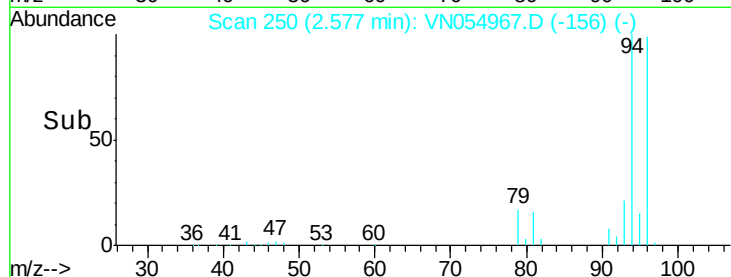
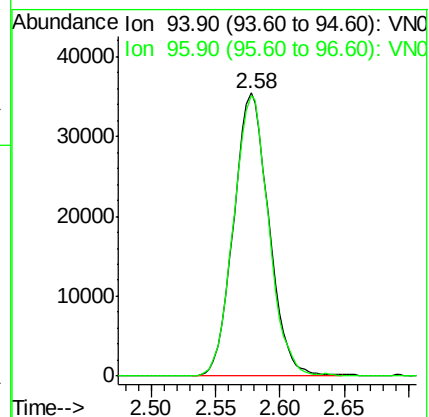
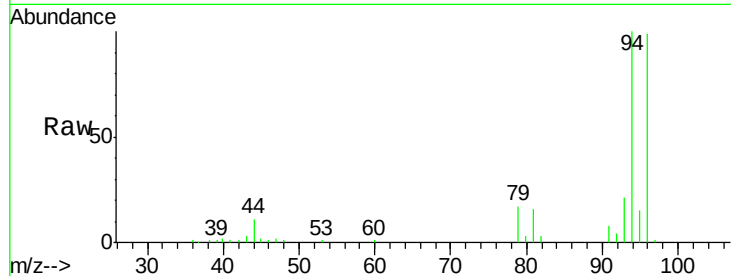
ClientSampled :

Tot Ion: 94 Resp: 67285

Ion Ratio Lower Upper

94 100

96 99.0 75.7 113.5



#6

Chloroethane

Concen: 19.569 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054967.D

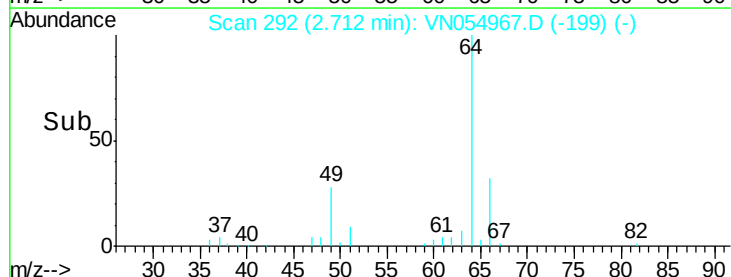
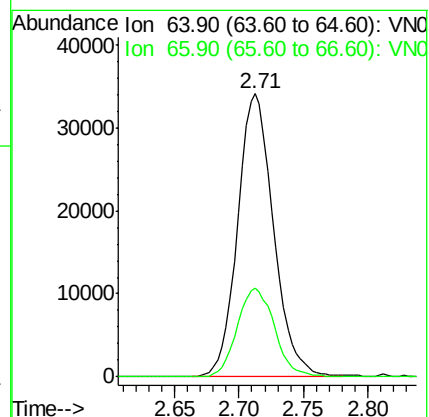
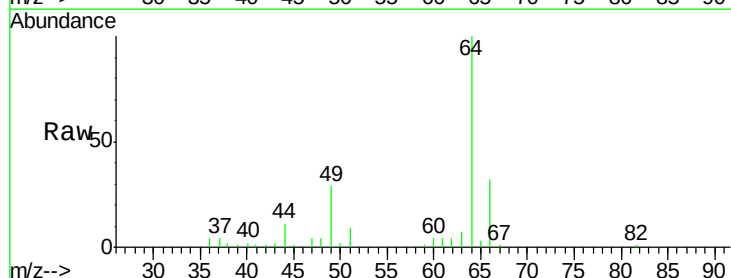
Acq: 5 Apr 2019 11:46

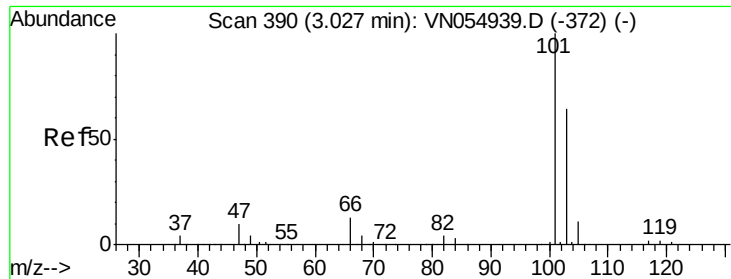
Tgt Ion: 64 Resp: 66103

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4



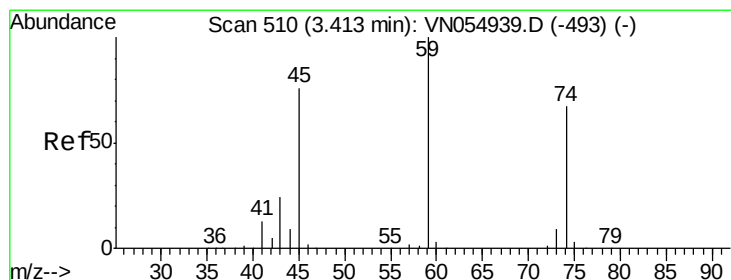
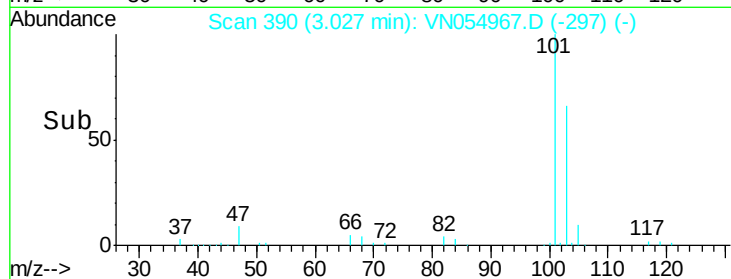
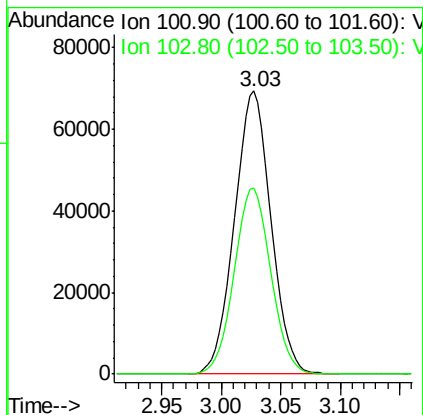
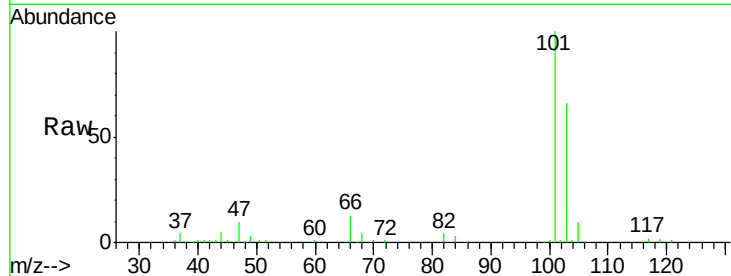


#7

Trichlorofluoromethane
 Concen: 20.065 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

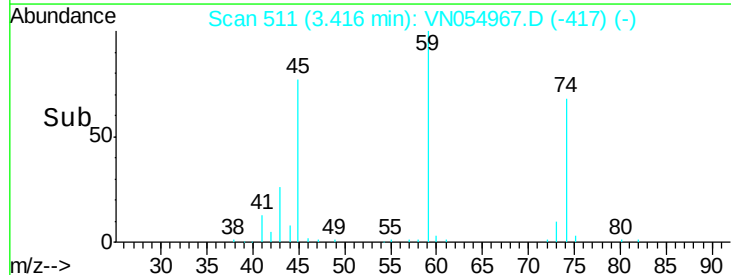
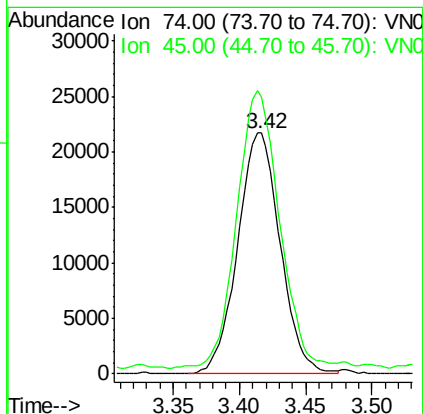
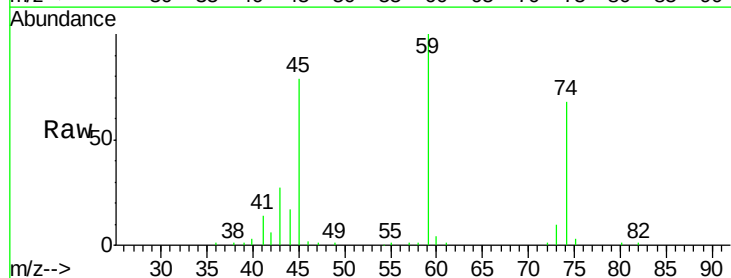
Tot Ion:101 Resp: 147551
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.3 76.9

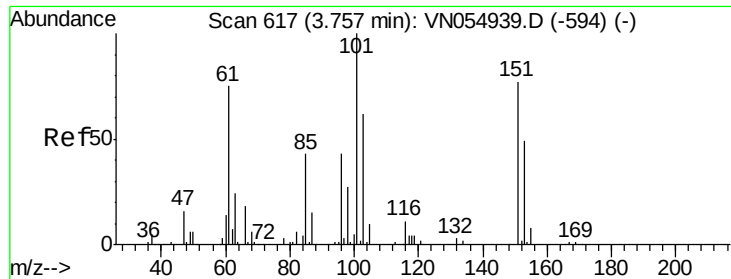


#8

Diethyl Ether
 Concen: 20.613 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 74 Resp: 48276
 Ion Ratio Lower Upper
 74 100
 45 112.9 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.378 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

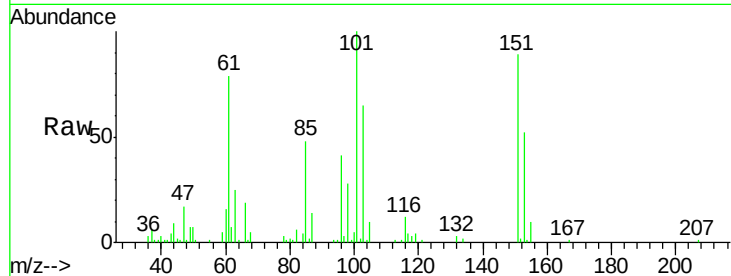
Tot Ion:101 Resp: 75496

Ion Ratio Lower Upper

101 100

85 47.5 36.2 54.2

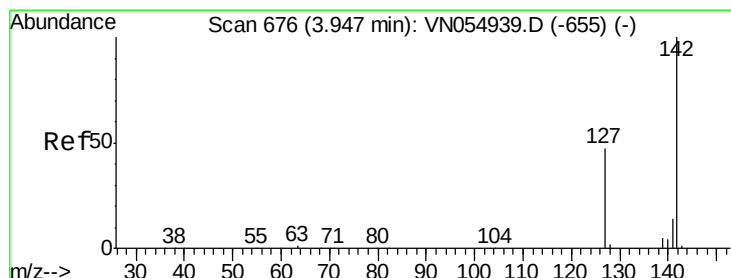
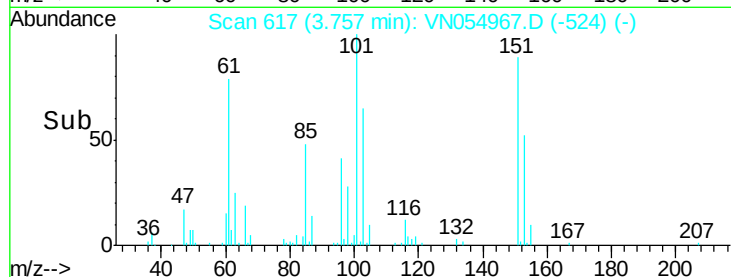
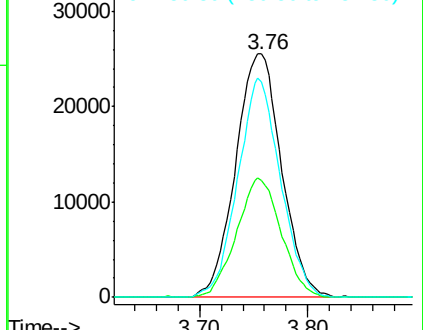
151 83.7 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.494 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

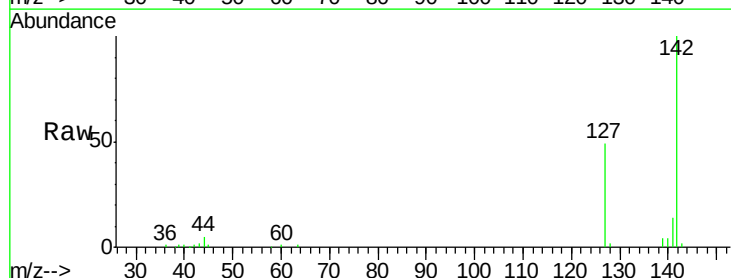
Tgt Ion:142 Resp: 107059

Ion Ratio Lower Upper

142 100

127 47.0 38.0 57.0

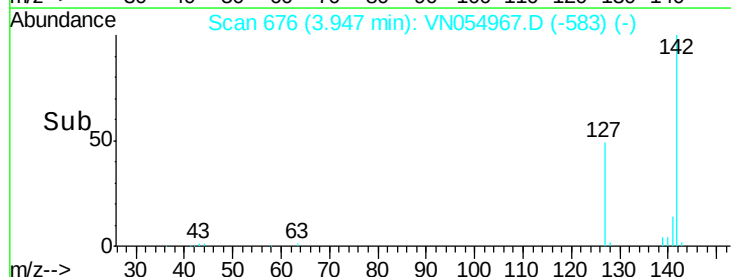
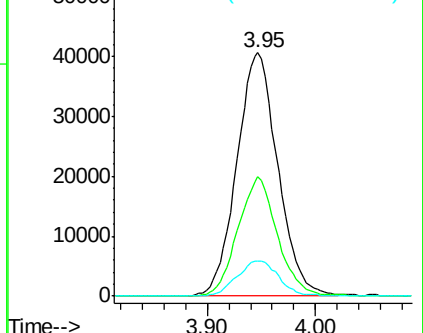
141 14.6 11.7 17.5

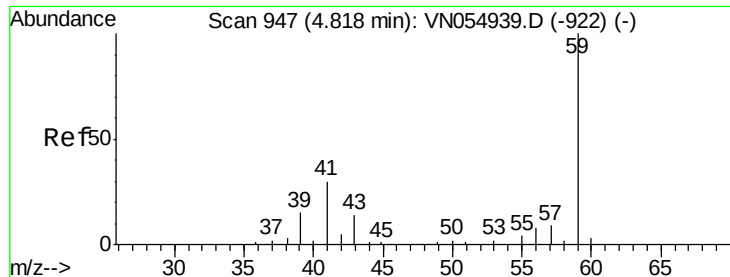


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

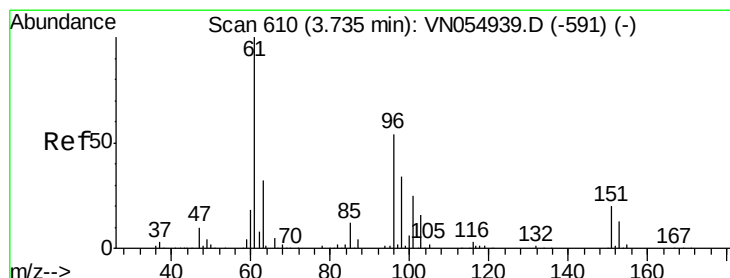
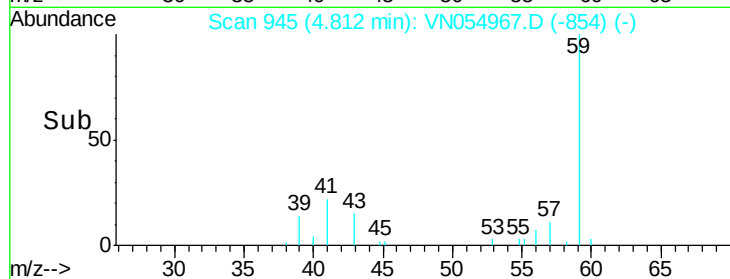
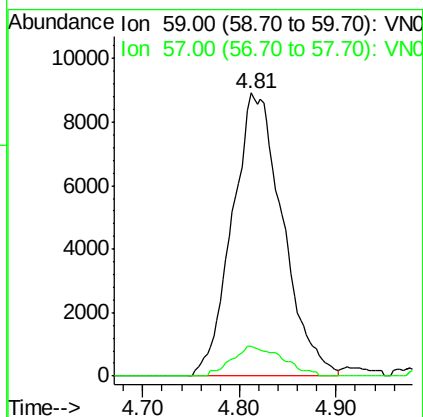
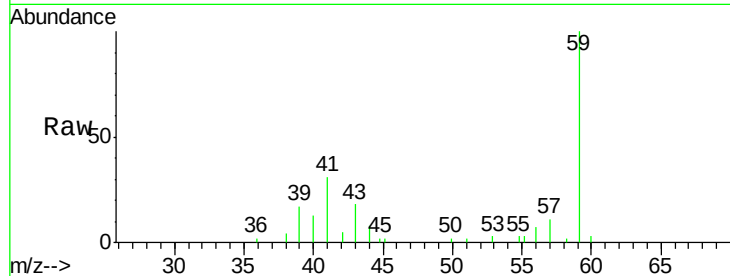




#11
Tert butyl alcohol
Concen: 108.132 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

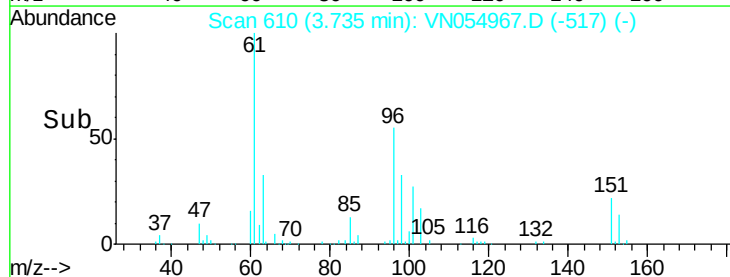
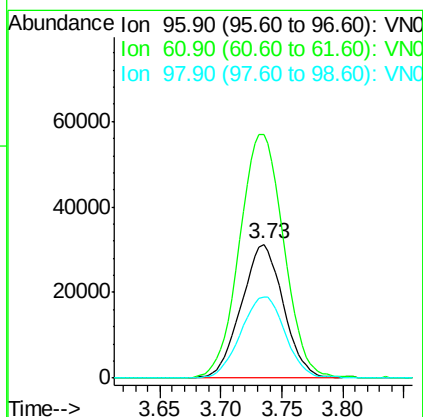
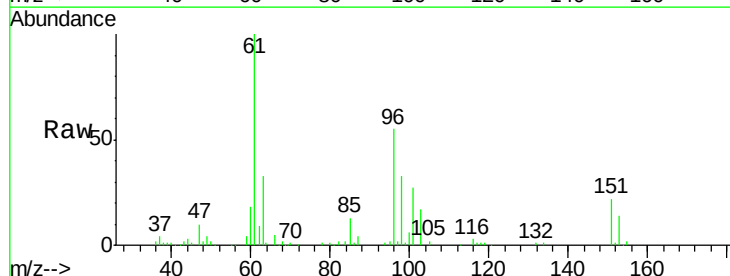
Instrument :
MSVOA_N
ClientSampleId :

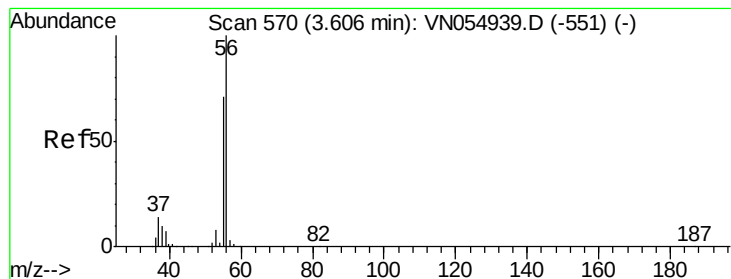
Tot Ion: 59 Resp: 32257
Ion Ratio Lower Upper
59 100
57 10.7 5.0 7.4#



#12
1,1-Dichloroethene
Concen: 19.287 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 96 Resp: 74539
Ion Ratio Lower Upper
96 100
61 182.3 148.2 222.2
98 60.9 50.2 75.4





#13

Acrolein

Concen: 92.458 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

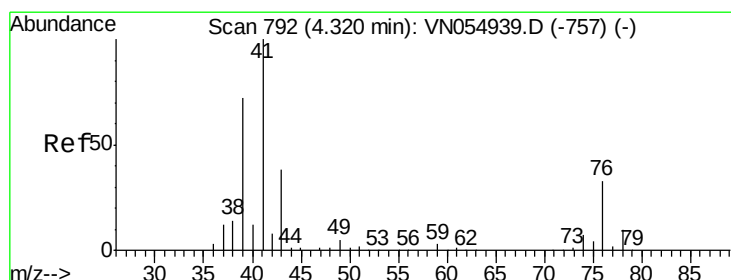
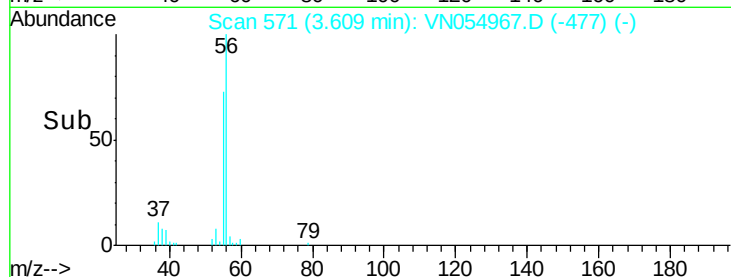
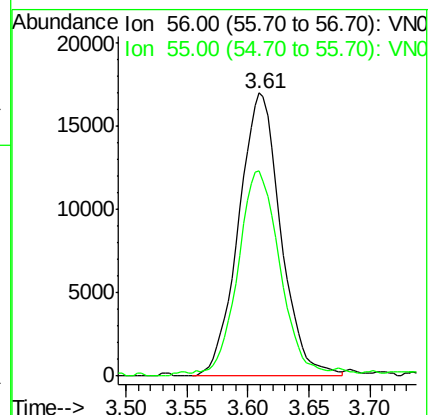
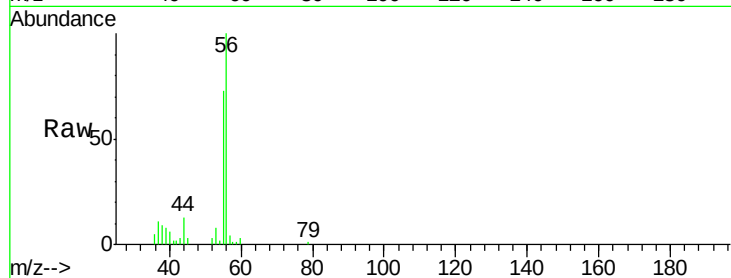
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 40589

Ion Ratio Lower Upper

56 100

55 72.8 58.6 87.8



#14

Allyl chloride

Concen: 20.545 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

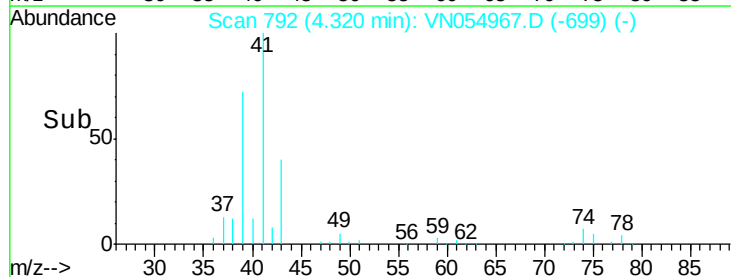
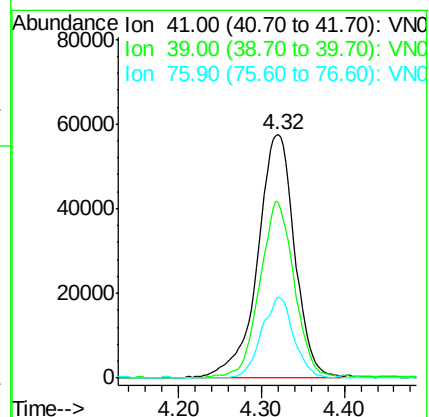
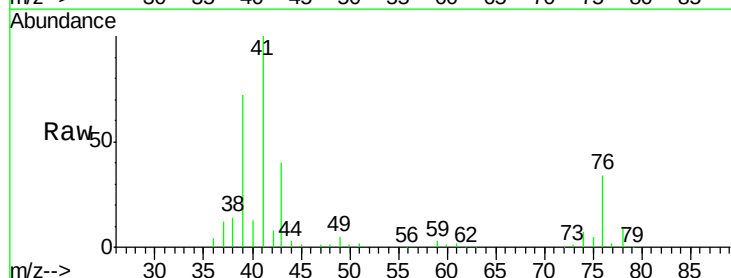
Tgt Ion: 41 Resp: 176226

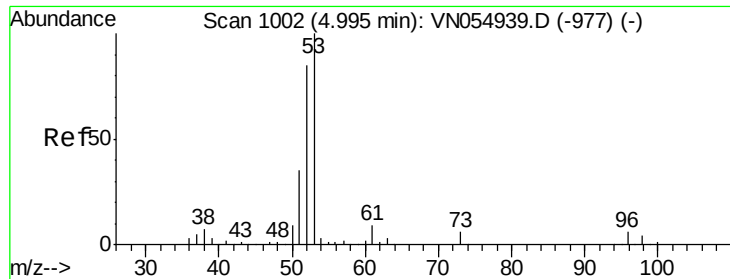
Ion Ratio Lower Upper

41 100

39 67.5 55.4 83.2

76 29.3 23.8 35.8





#15

Acrylonitrile

Concen: 102.652 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

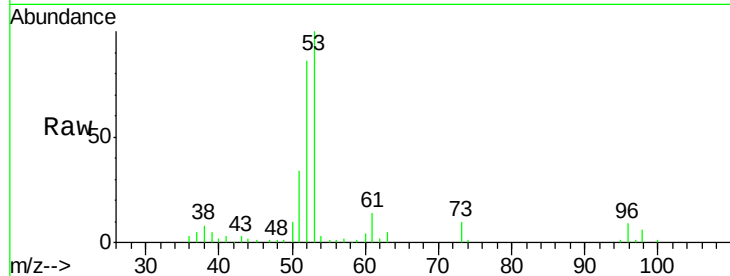
Tot Ion: 53 Resp: 183633

Ion Ratio Lower Upper

53 100

52 83.3 66.4 99.6

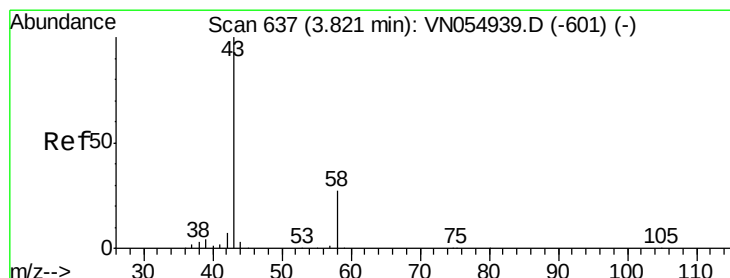
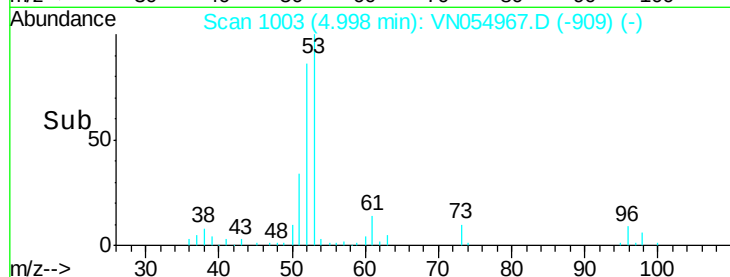
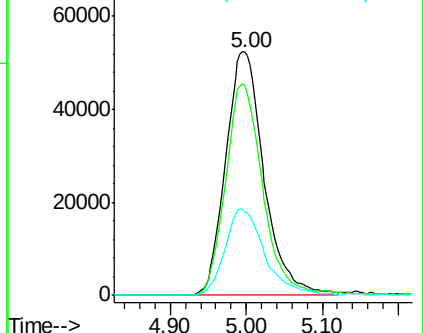
51 36.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN054939.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054939.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054939.D (-977) (-)



#16

Acetone

Concen: 89.591 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054967.D

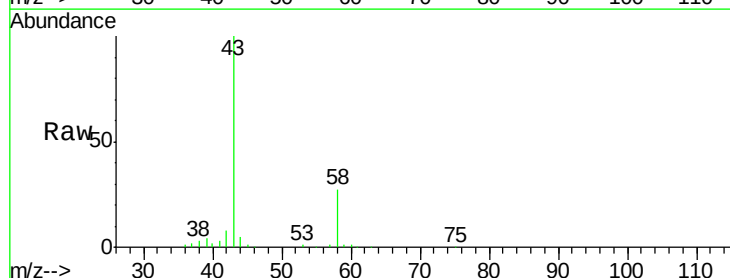
Acq: 5 Apr 2019 11:46

Tgt Ion: 43 Resp: 149713

Ion Ratio Lower Upper

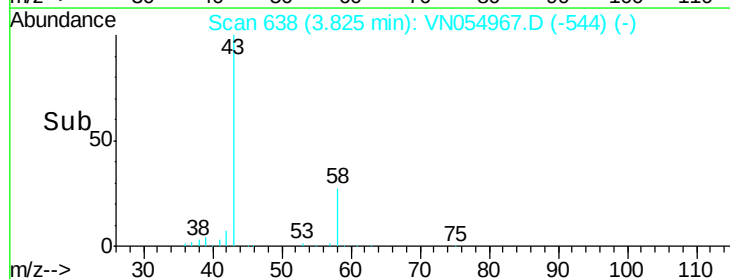
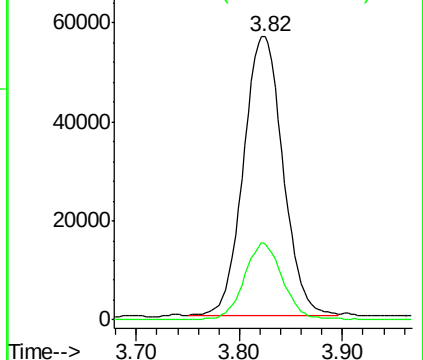
43 100

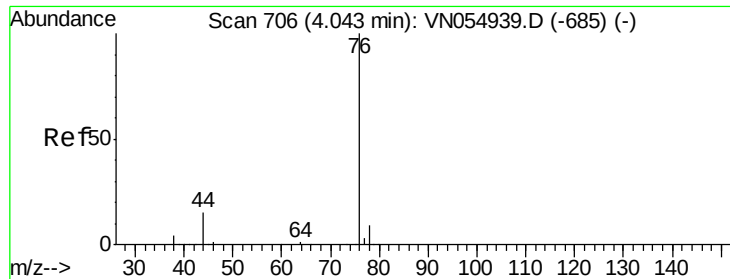
58 27.4 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-601) (-)





#17

Carbon Disulfide

Concen: 19.500 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

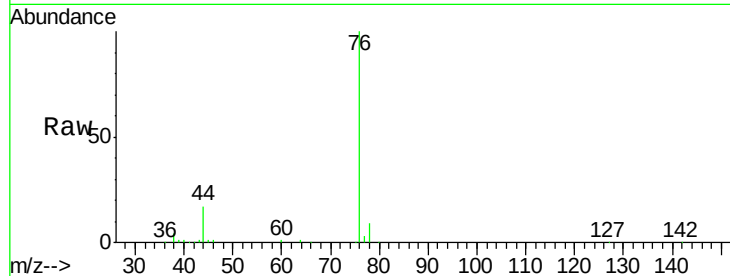
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 239890

Ion Ratio Lower Upper

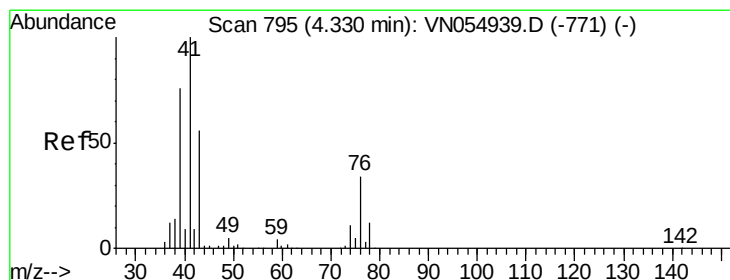
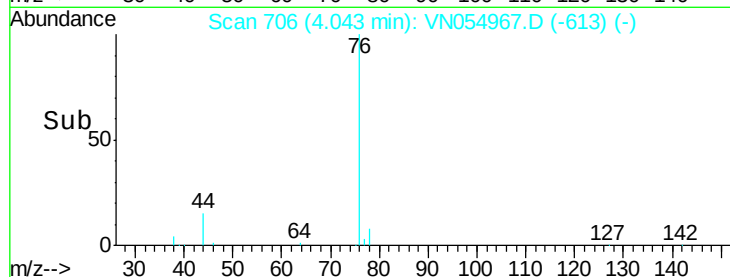
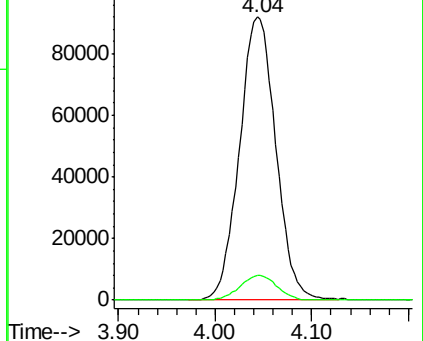
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.962 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054967.D

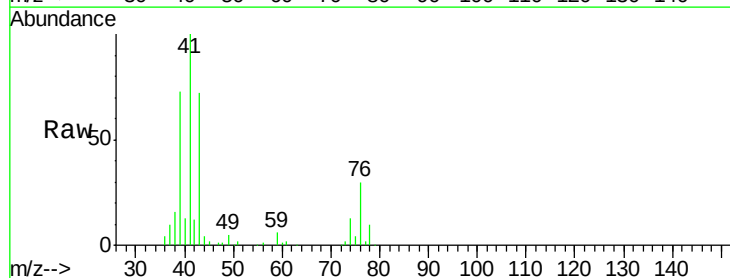
Acq: 5 Apr 2019 11:46

Tgt Ion: 43 Resp: 85955

Ion Ratio Lower Upper

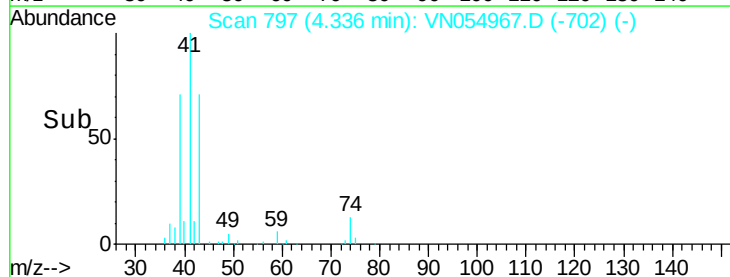
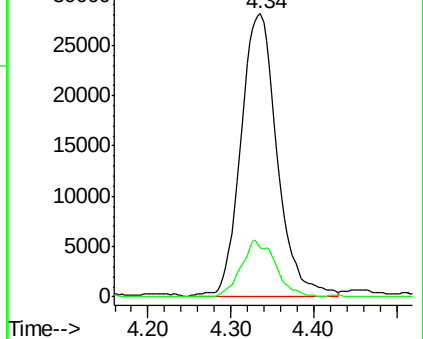
43 100

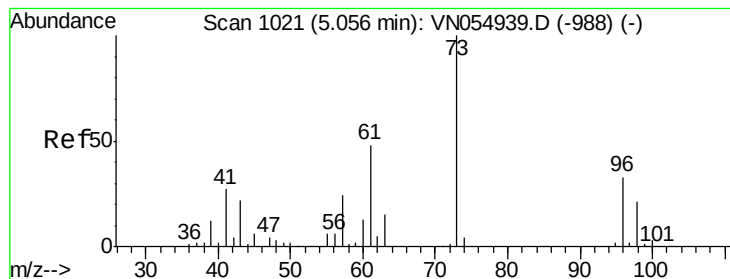
74 18.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



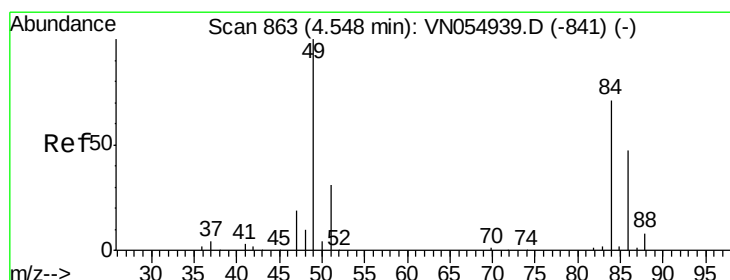
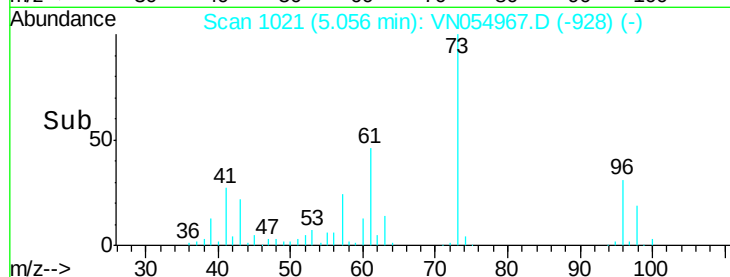
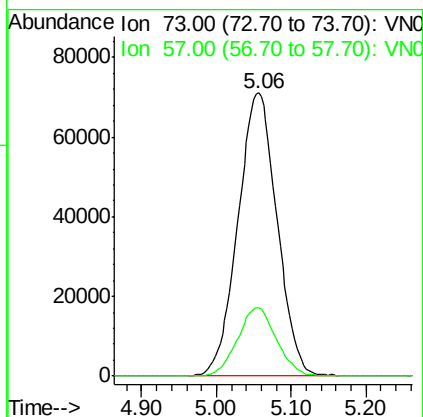
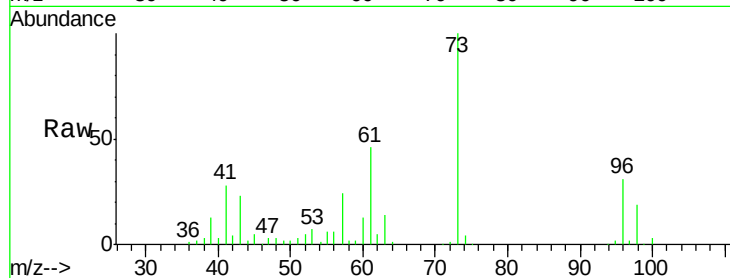


#19

Methyl tert-butyl Ether
 Concen: 20.641 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

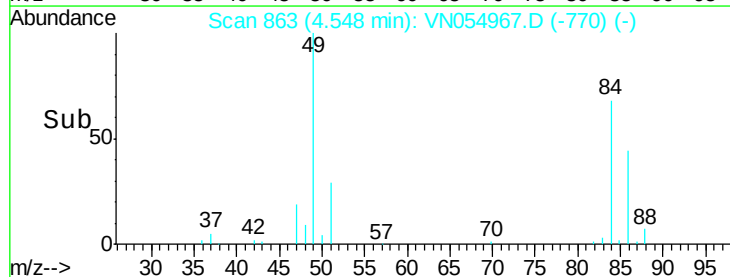
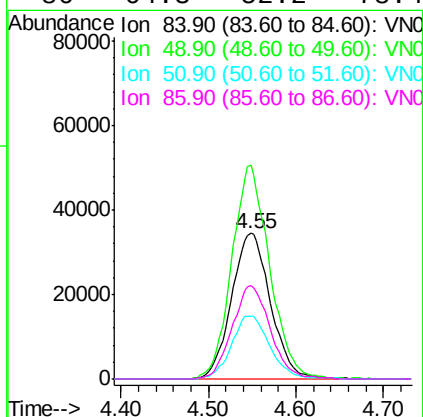
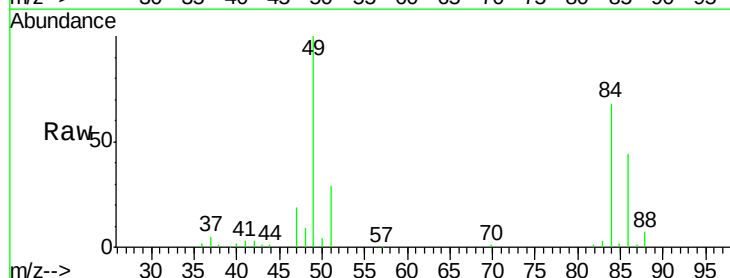
Tot Ion: 73 Resp: 258753
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.5 29.3

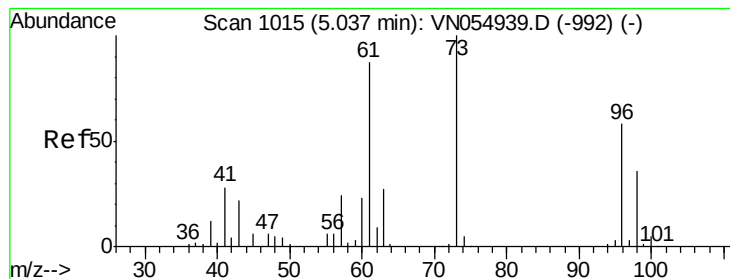


#20

Methylene Chloride
 Concen: 19.864 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 84 Resp: 106577
 Ion Ratio Lower Upper
 84 100
 49 147.0 112.1 168.1
 51 43.3 34.5 51.7
 86 64.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.153 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

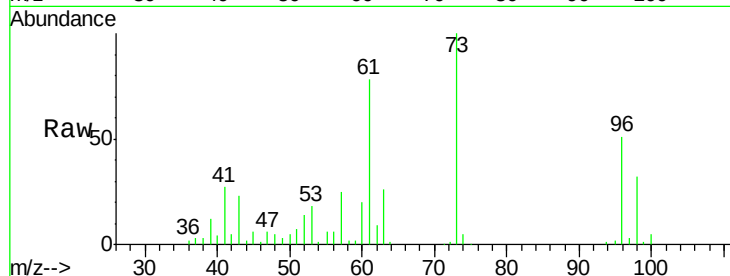
Tot Ion: 96 Resp: 97277

Ion Ratio Lower Upper

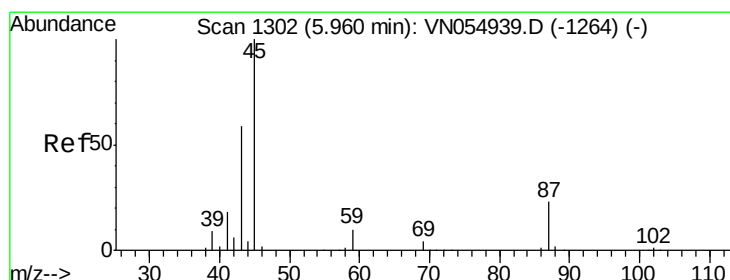
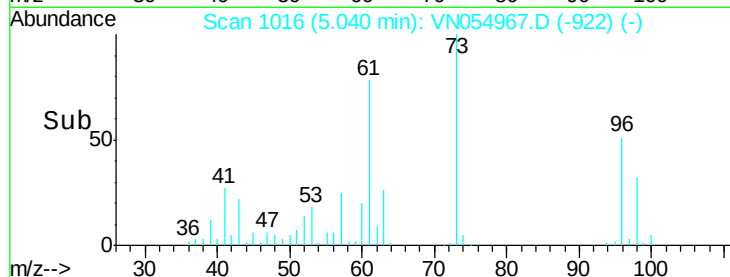
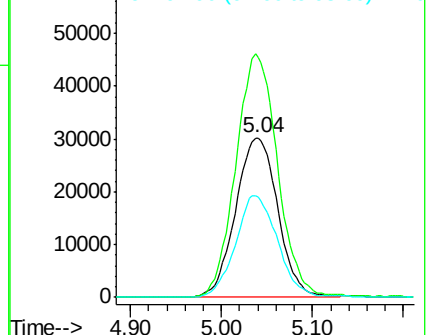
96 100

61 150.9 120.1 180.1

98 62.9 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.686 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion: 45 Resp: 364422

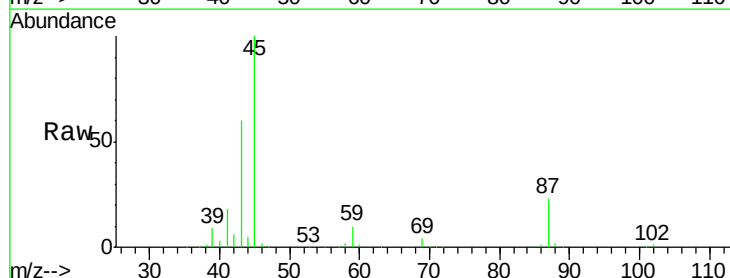
Ion Ratio Lower Upper

45 100

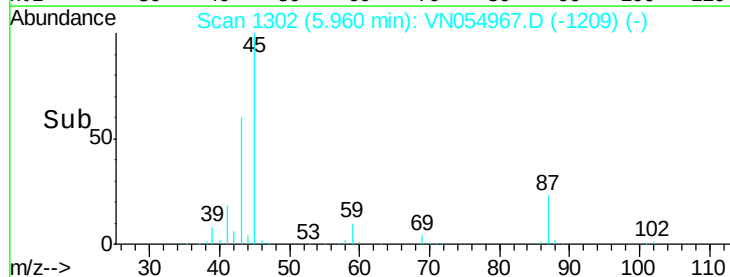
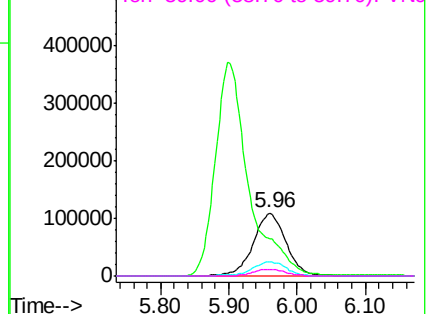
43 58.0 46.9 70.3

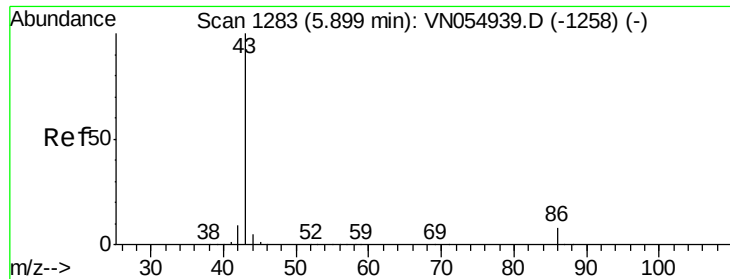
87 22.3 18.6 28.0

59 10.2 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

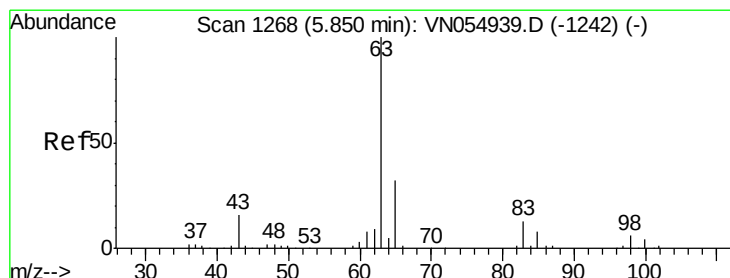
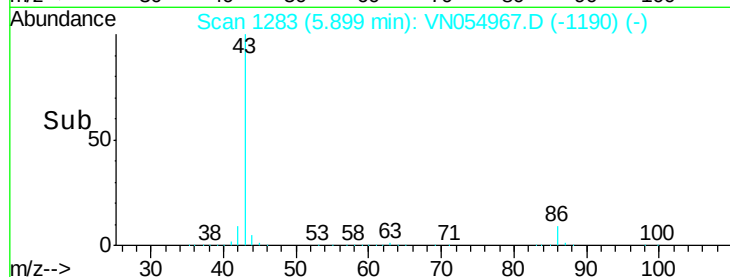
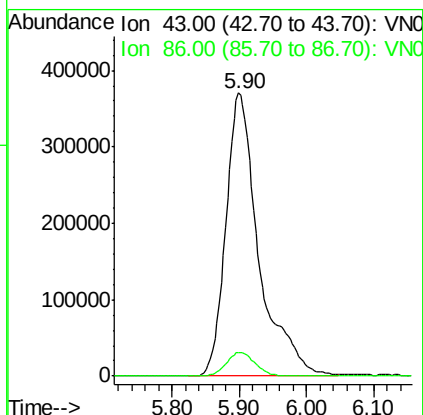
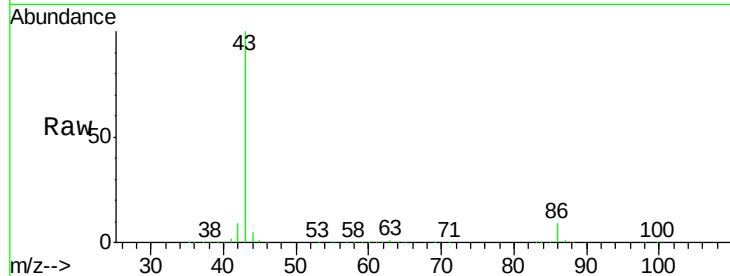




#23
 Vinyl Acetate
 Concen: 102.912 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

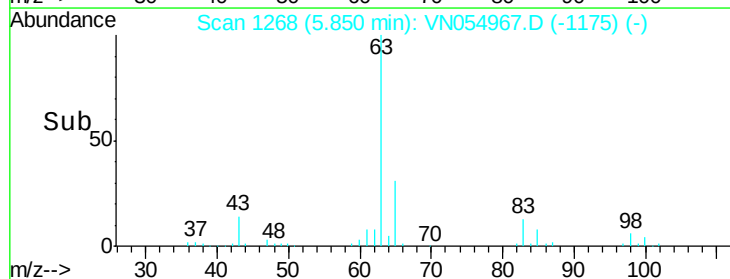
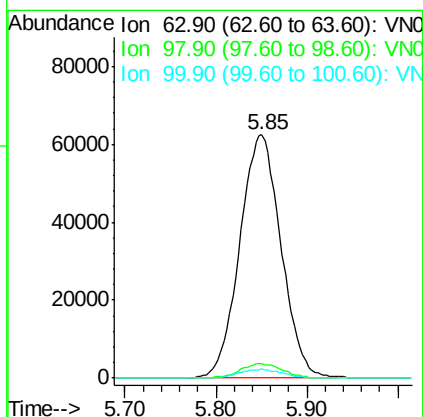
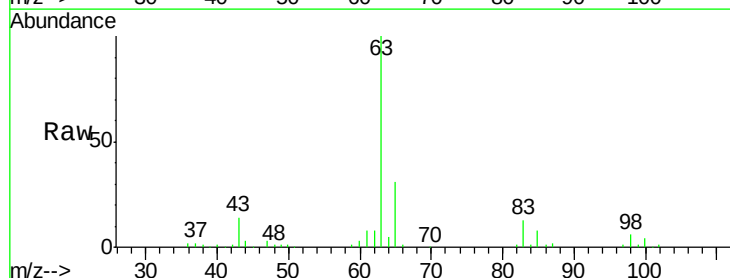
Instrument :
 MSVOA_N
 ClientSampleId :

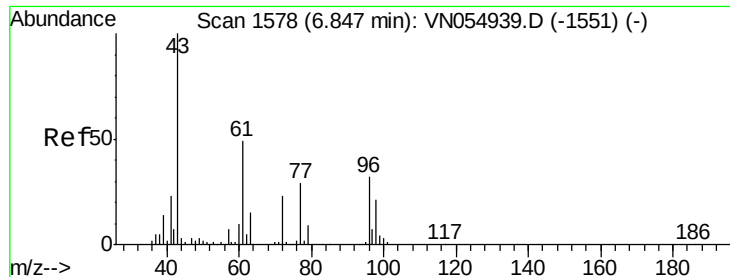
Tot Ion: 43 Resp: 1261531
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 20.435 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 63 Resp: 196317
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 3.7 2.1 6.2





#25

2-Butanone

Concen: 104.143 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

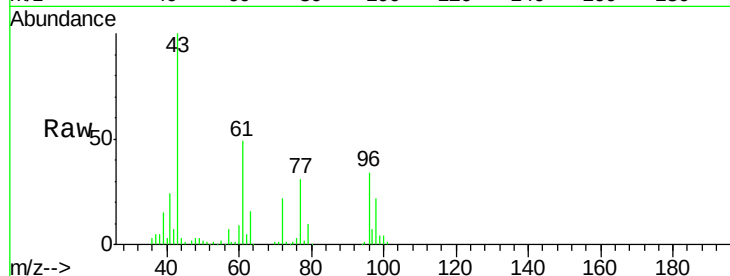
ClientSampled :

Tot Ion: 43 Resp: 226059

Ion Ratio Lower Upper

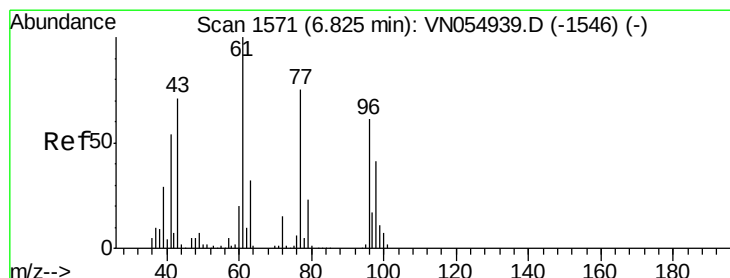
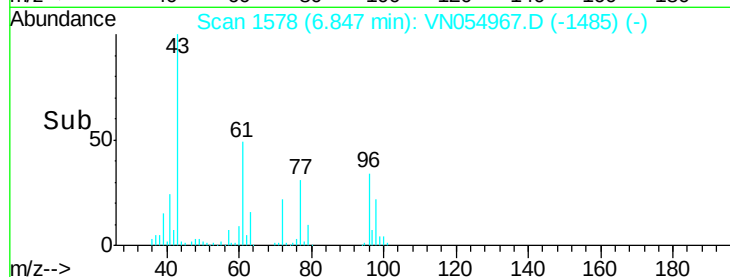
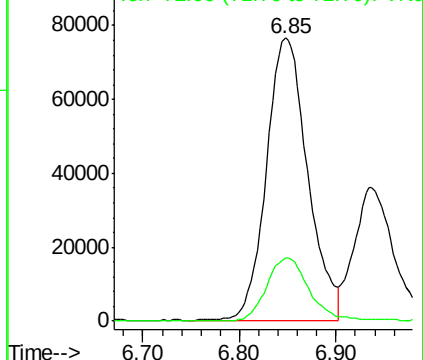
43 100

72 22.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.995 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054967.D

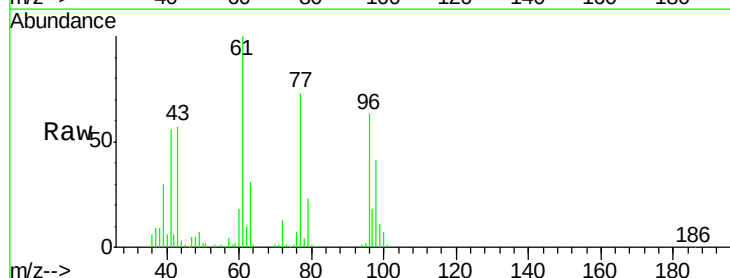
Acq: 5 Apr 2019 11:46

Tgt Ion: 77 Resp: 134657

Ion Ratio Lower Upper

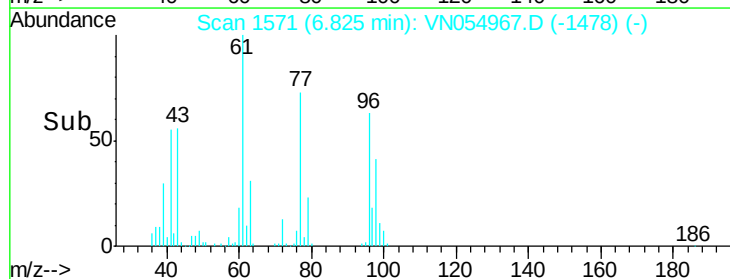
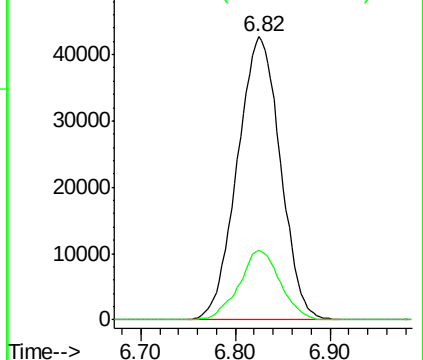
77 100

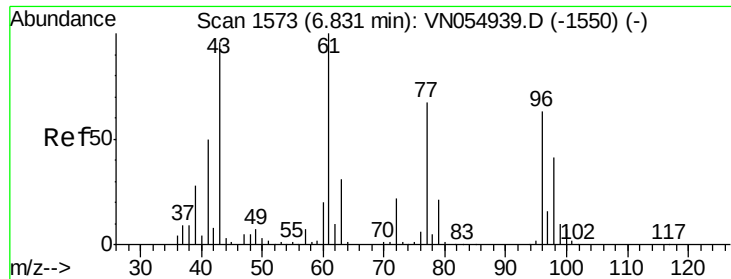
97 23.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

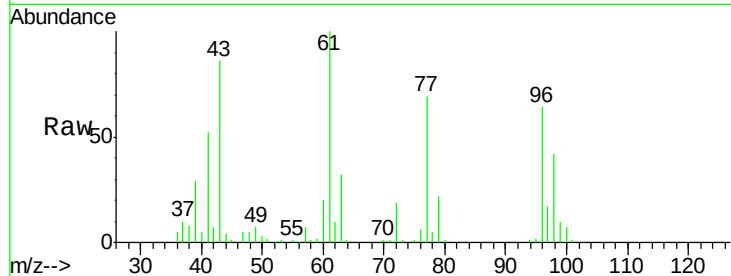
Tot Ion: 96 Resp: 110915

Ion Ratio Lower Upper

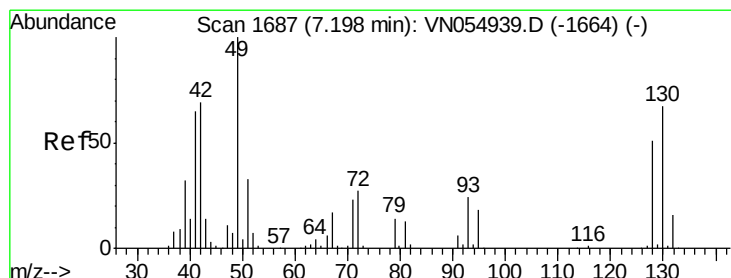
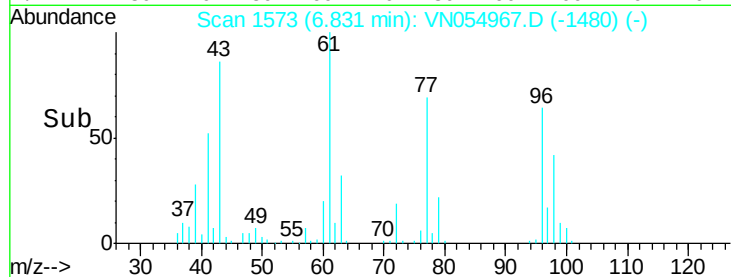
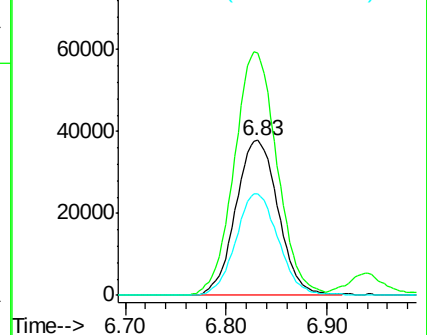
96 100

61 157.8 0.0 316.2

98 65.1 0.0 129.6



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: 19.489 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

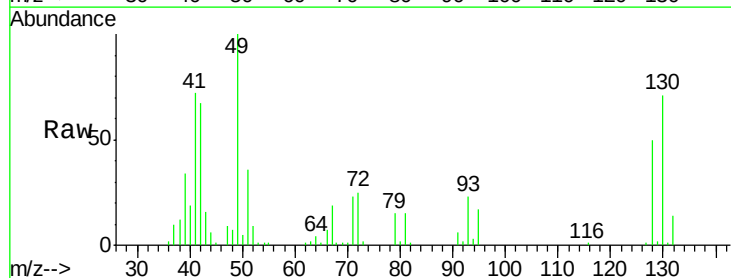
Tgt Ion: 49 Resp: 87711

Ion Ratio Lower Upper

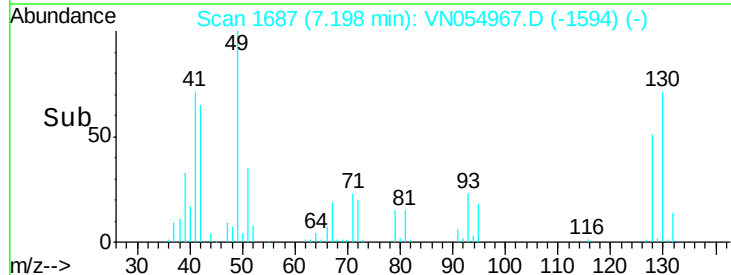
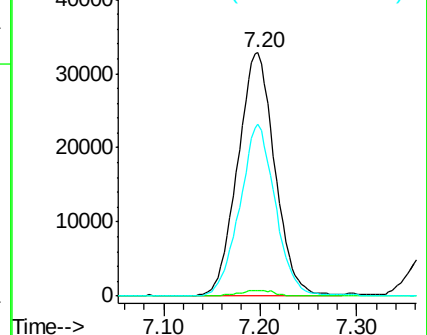
49 100

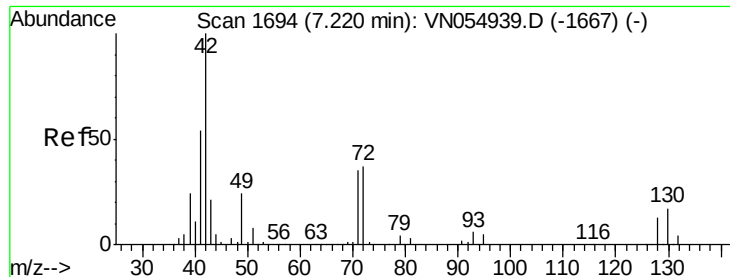
129 2.1 0.0 3.8

130 67.4 53.1 79.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

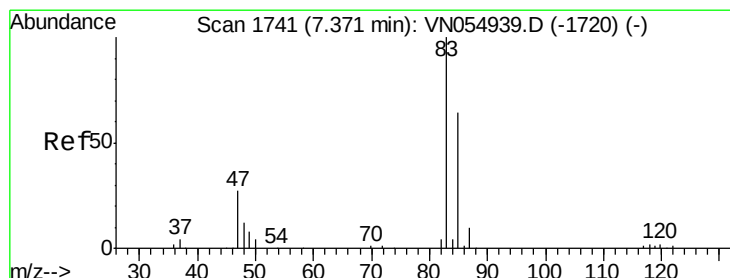
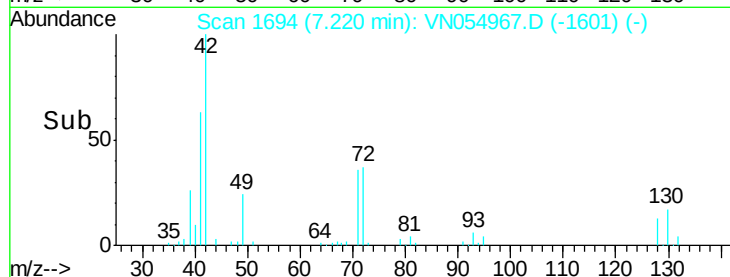
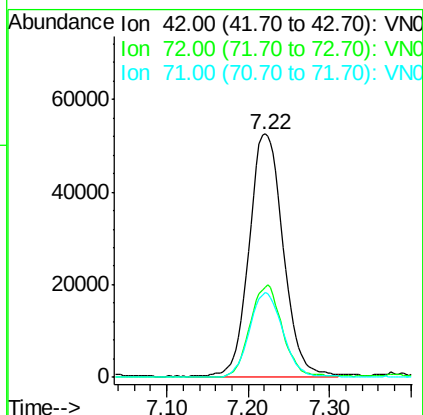
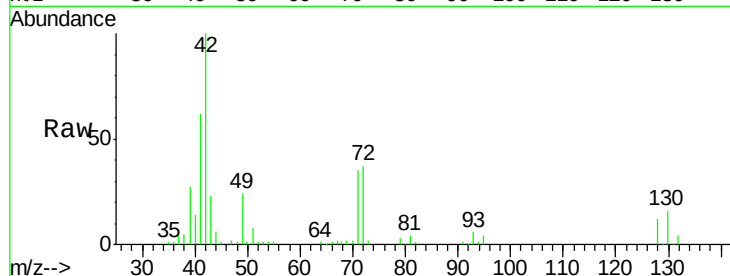




#29
Tetrahydrofuran
Concen: 105.877 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

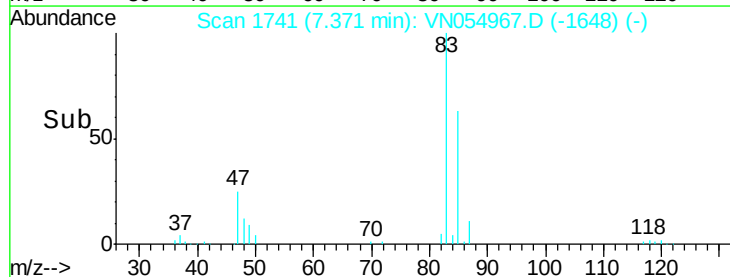
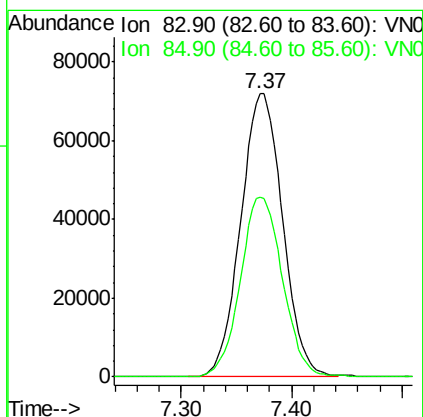
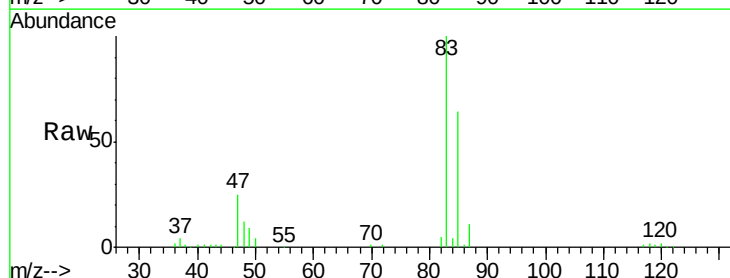
Instrument :
MSVOA_N
ClientSampled :

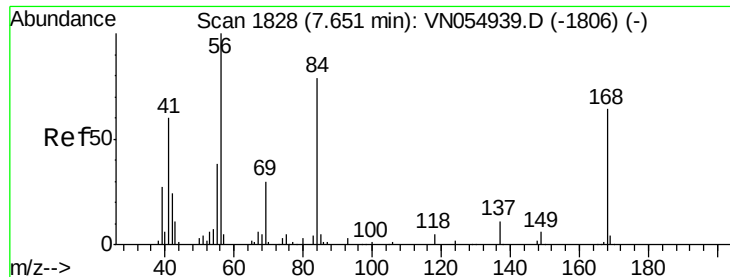
Tot Ion: 42 Resp: 150639
Ion Ratio Lower Upper
42 100
72 36.2 29.3 43.9
71 34.5 27.8 41.6



#30
Chloroform
Concen: 20.790 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 83 Resp: 189283
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0





#31

Cyclohexane

Concen: 19.544 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

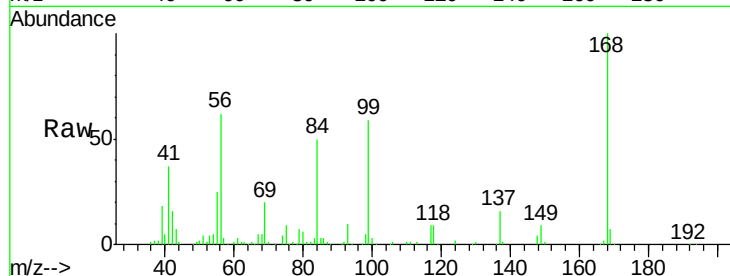
Tot Ion: 56 Resp: 186592

Ion Ratio Lower Upper

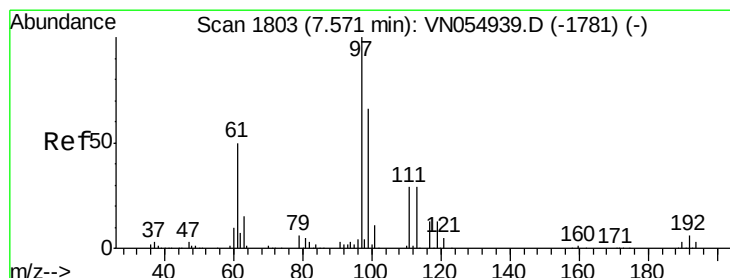
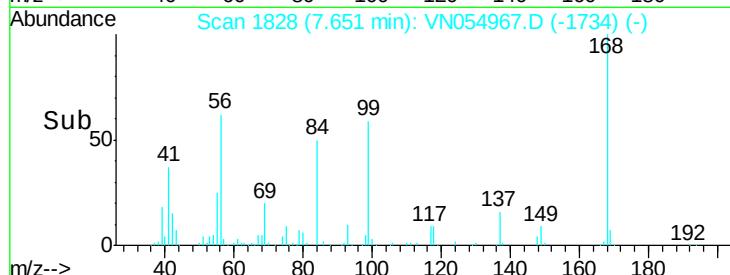
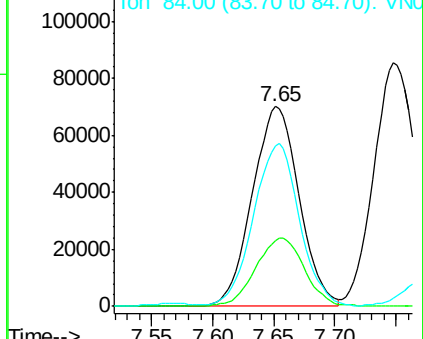
56 100

69 32.7 23.8 35.6

84 79.3 61.8 92.8



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: 19.911 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

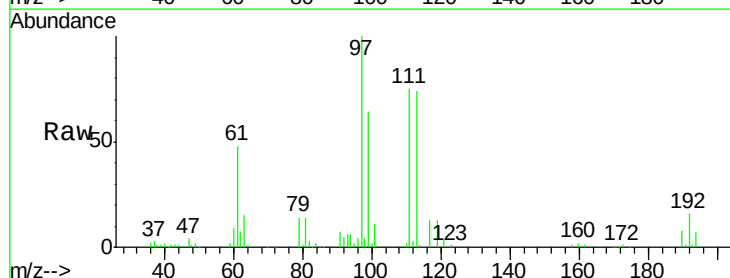
Tgt Ion: 97 Resp: 152974

Ion Ratio Lower Upper

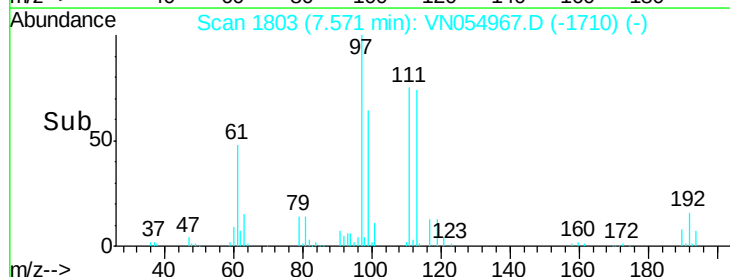
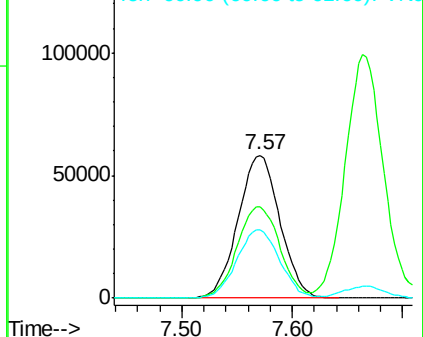
97 100

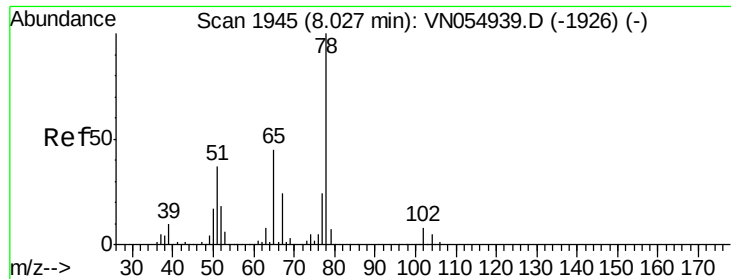
99 65.4 52.1 78.1

61 49.0 39.6 59.4



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

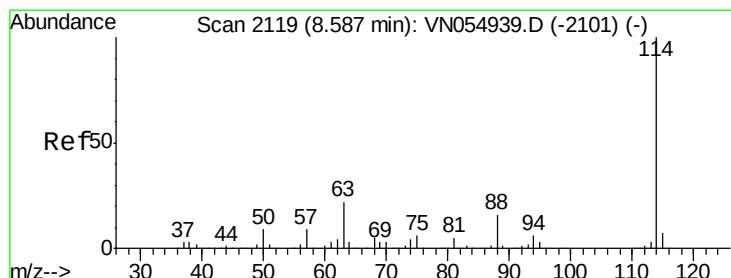
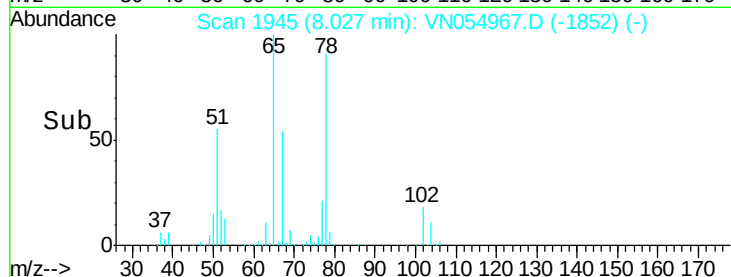
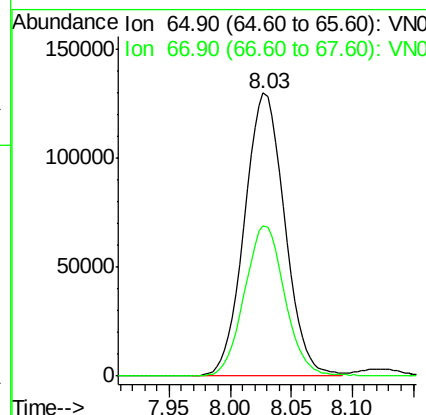
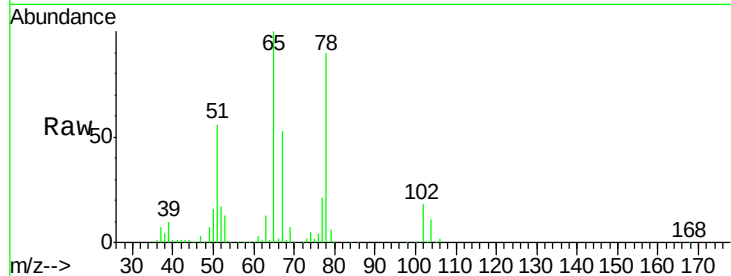




#33
 1,2-Dichloroethane-d4
 Concen: 51.366 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

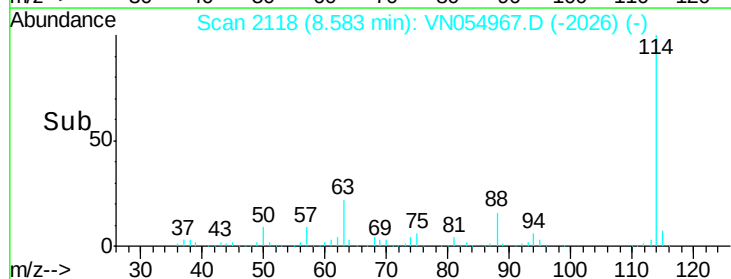
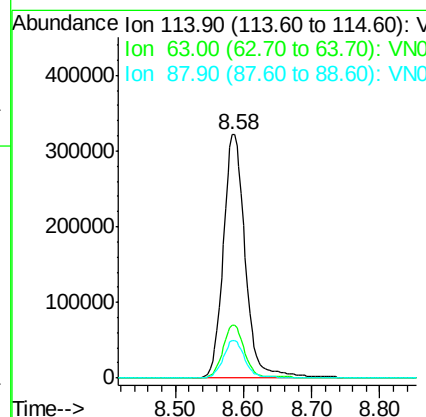
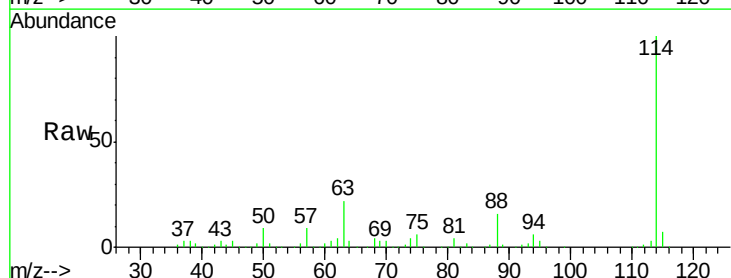
Instrument :
 MSVOA_N
 ClientSampled :

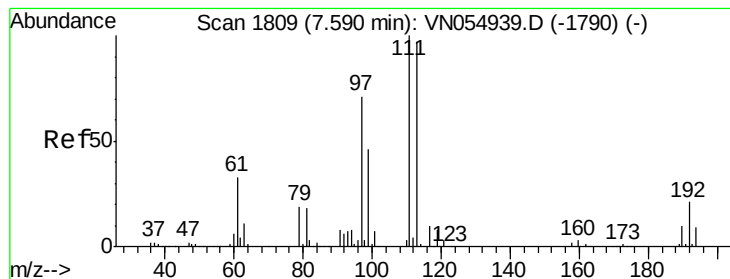
Tot Ion: 65 Resp: 296938
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 114 Resp: 721790
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.6
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.645 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

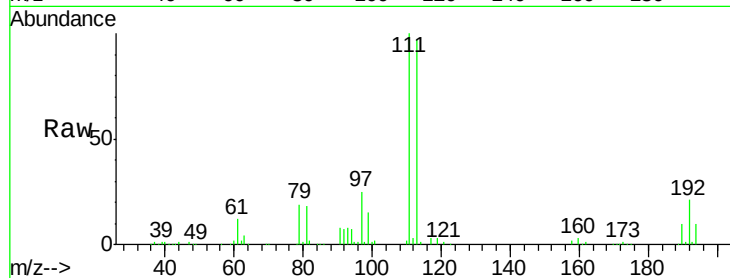
Tot Ion:113 Resp: 237959

Ion Ratio Lower Upper

113 100

111 102.8 81.0 121.4

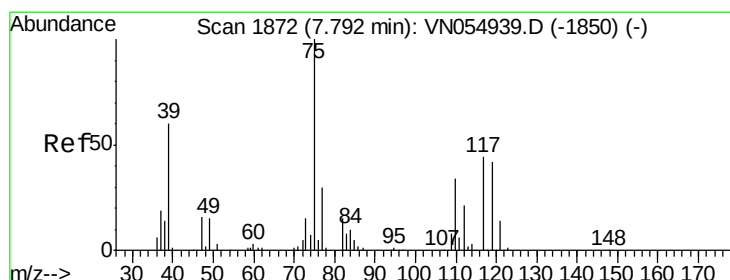
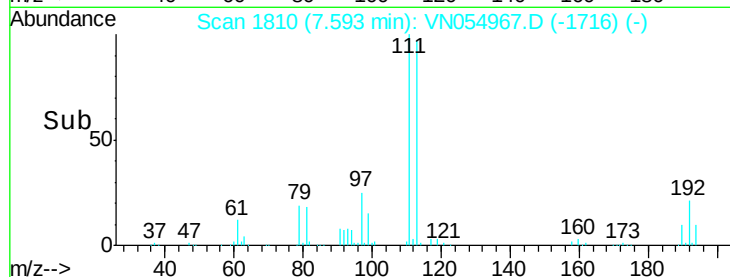
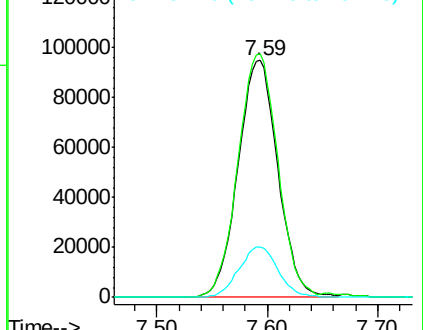
192 21.0 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.494 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

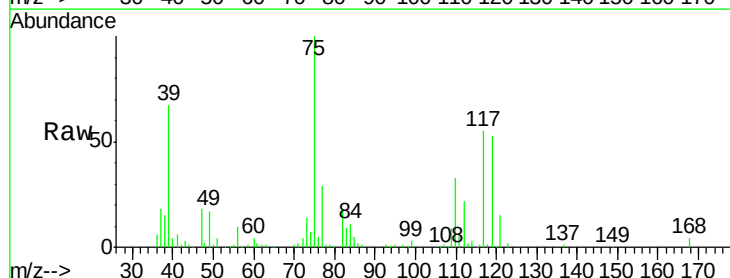
Tgt Ion: 75 Resp: 139417

Ion Ratio Lower Upper

75 100

110 34.4 17.0 50.9

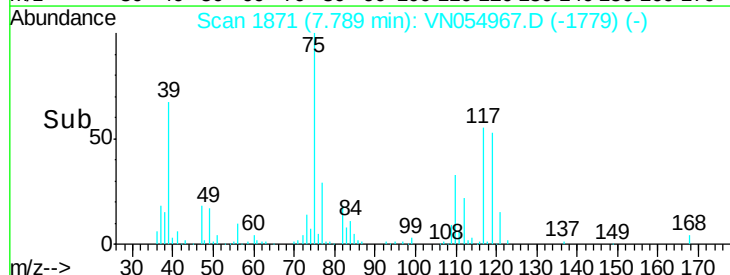
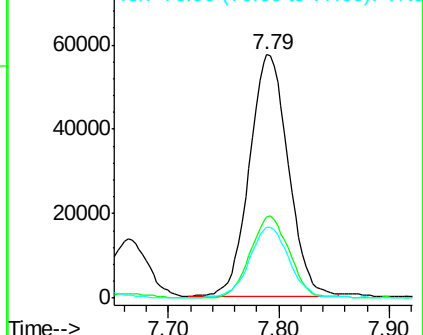
77 30.6 25.3 37.9

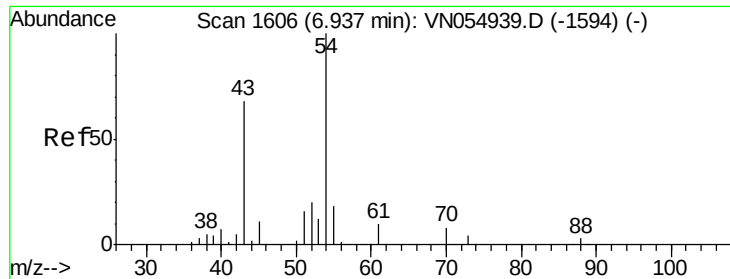


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

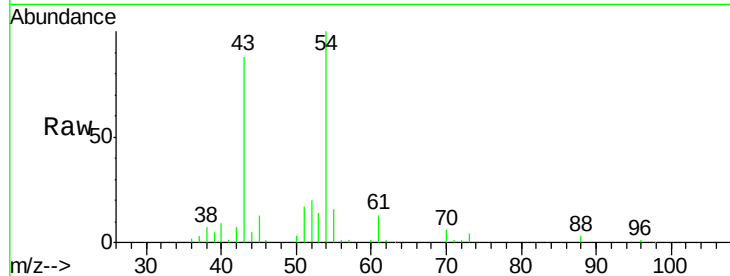




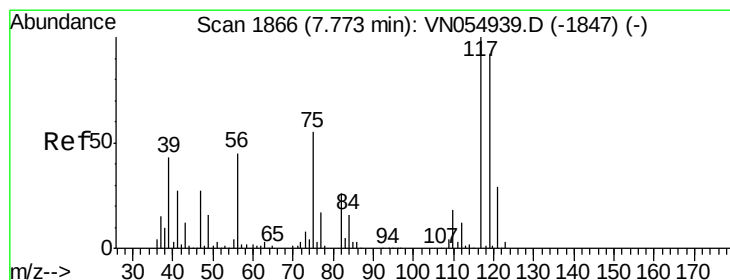
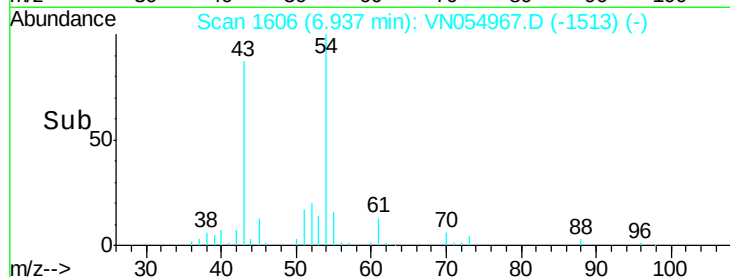
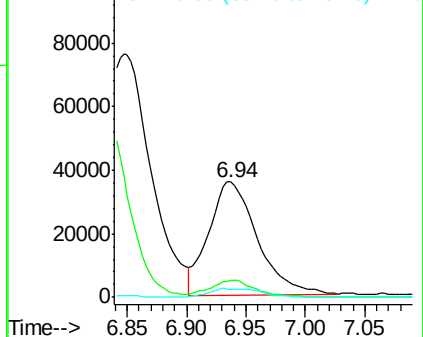
#37
Ethyl Acetate
Concen: 20.431 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 100274
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 8.3 7.0 10.4

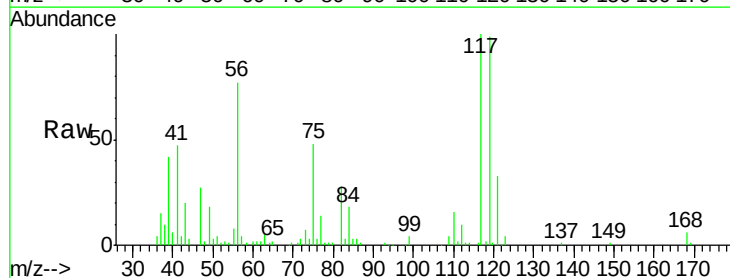


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

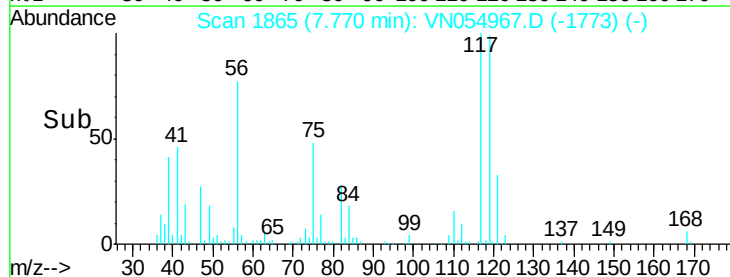
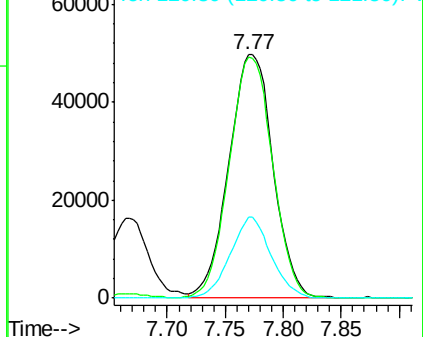


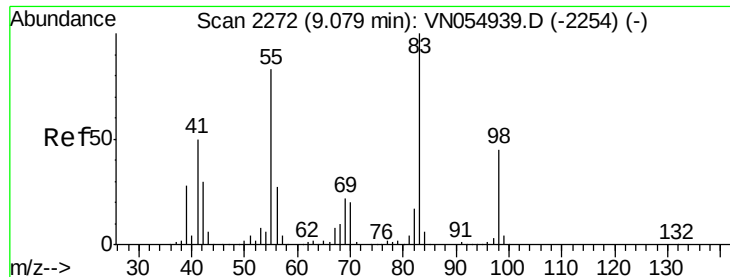
#38
Carbon Tetrachloride
Concen: 19.130 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 117 Resp: 132125
Ion Ratio Lower Upper
117 100
119 98.8 73.6 110.4
121 33.0 23.4 35.0



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

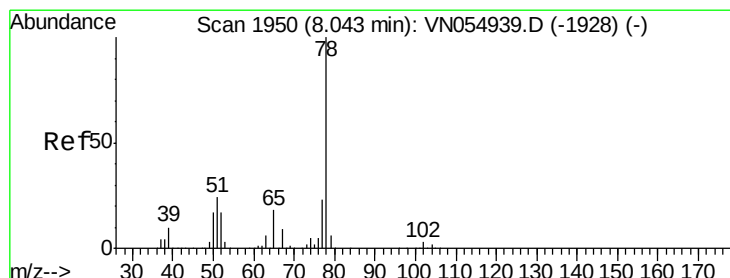
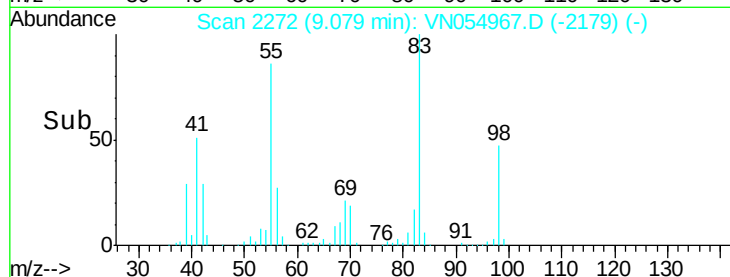
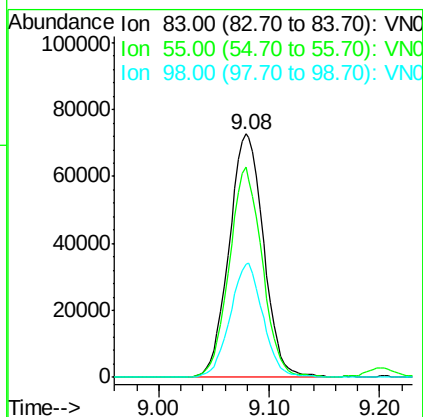
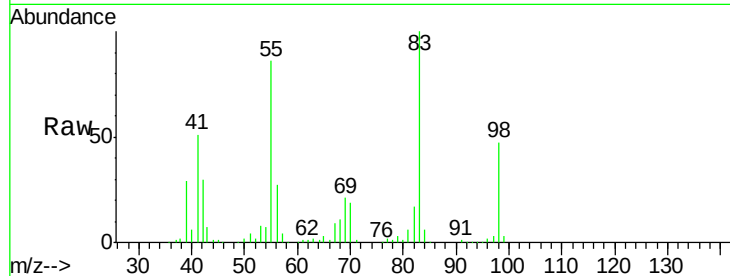




#39
Methylvlcyclohexane
Concen: 20.050 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

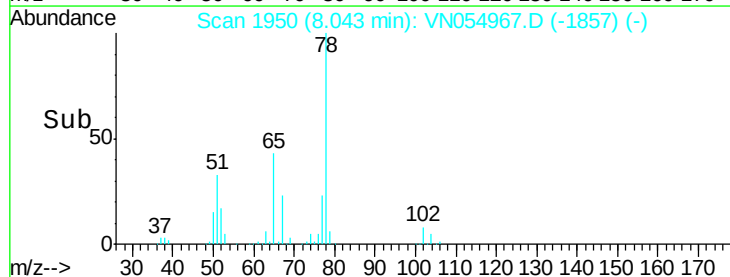
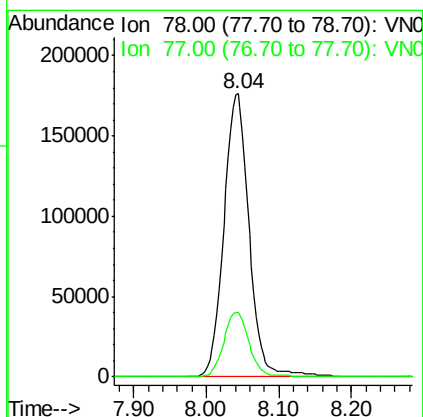
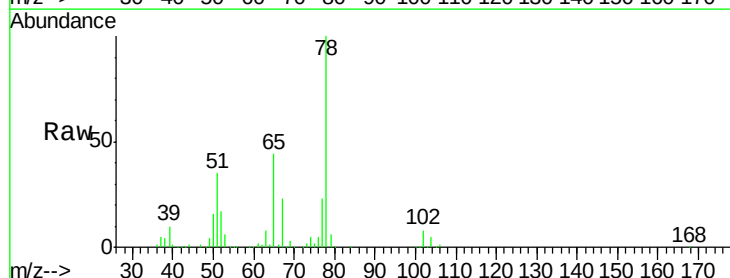
Instrument :
MSVOA_N
ClientSampled :

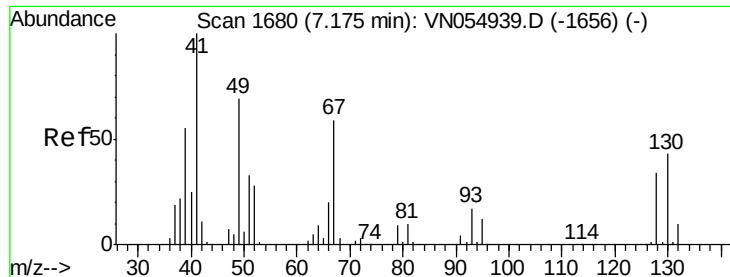
Tot Ion: 83 Resp: 157753
Ion Ratio Lower Upper
83 100
55 86.2 66.4 99.6
98 46.6 36.4 54.6



#40
Benzene
Concen: 20.697 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 78 Resp: 425926
Ion Ratio Lower Upper
78 100
77 22.9 18.6 27.8

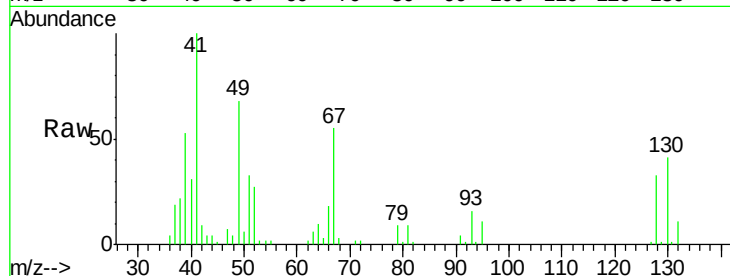




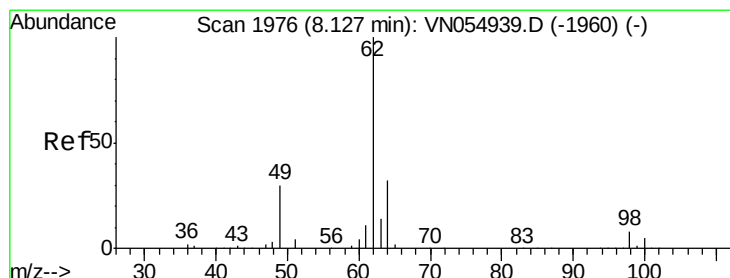
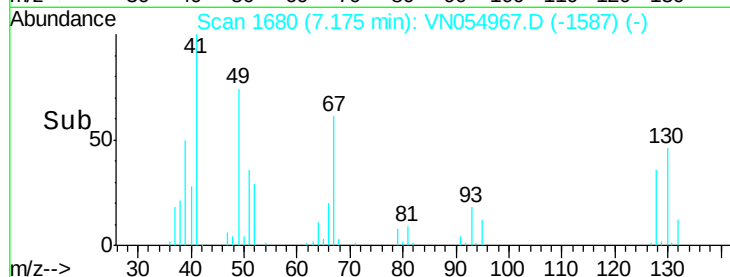
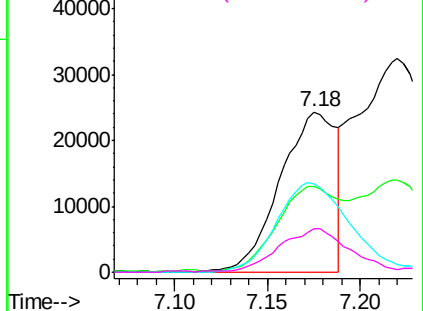
#41
Methacrylonitrile
Concen: 18.174 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 51003
Ion Ratio Lower Upper
41 100
39 57.8 43.0 64.6
67 74.3 55.0 82.6
52 31.8 24.4 36.6

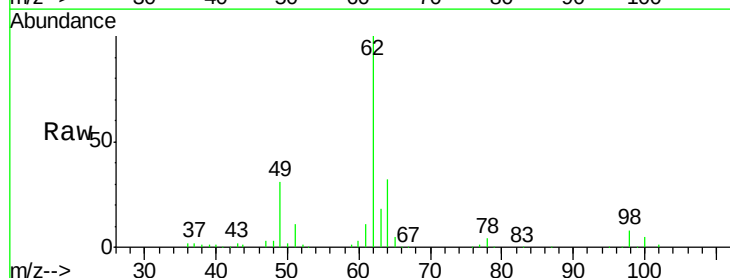


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

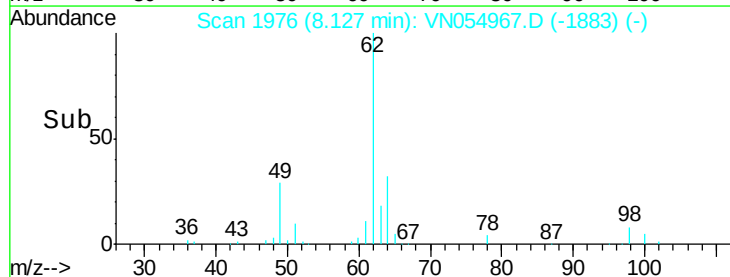
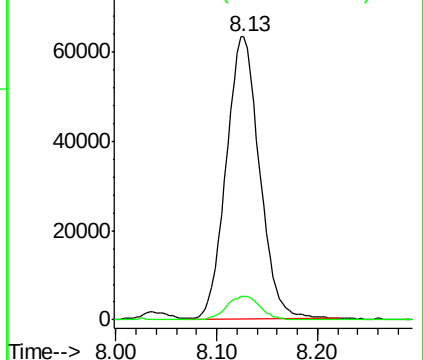


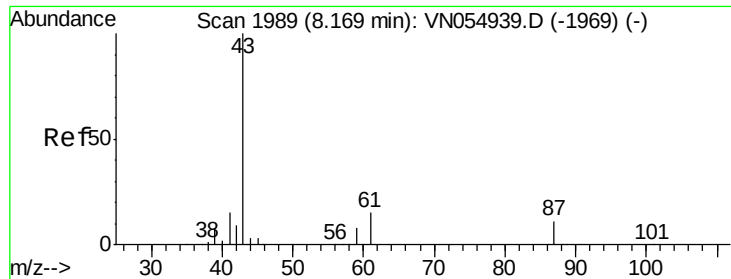
#42
1,2-Dichloroethane
Concen: 20.200 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 62 Resp: 146077
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.283 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

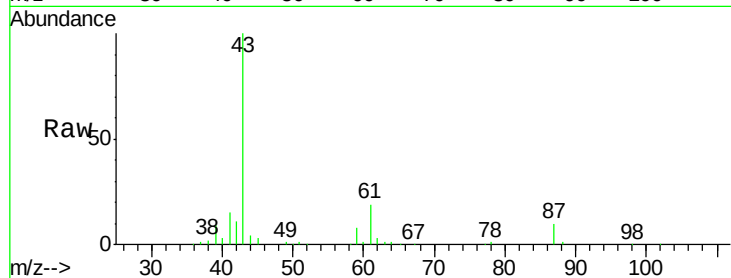
Tot Ion: 43 Resp: 167770

Ion Ratio Lower Upper

43 100

61 18.8 14.4 21.6

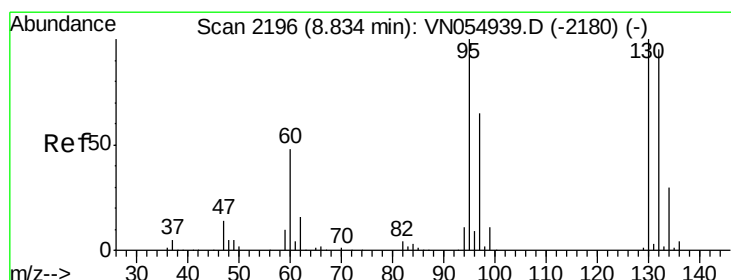
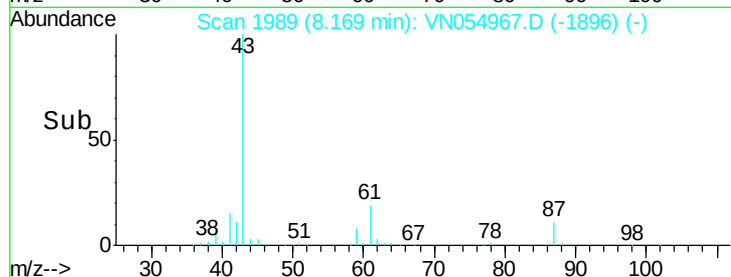
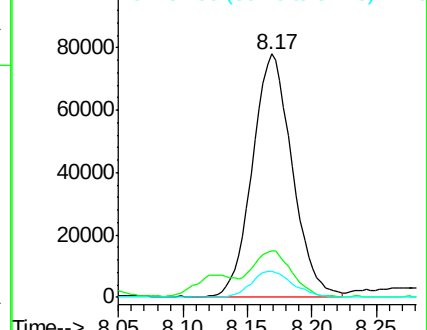
87 11.1 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054967.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054967.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054967.D (-1896) (-)



#44

Trichloroethene

Concen: 20.477 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054967.D

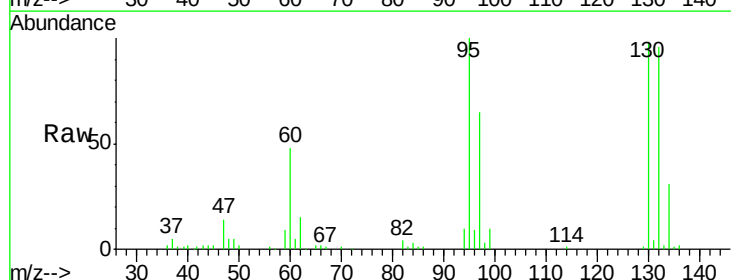
Acq: 5 Apr 2019 11:46

Tgt Ion:130 Resp: 107747

Ion Ratio Lower Upper

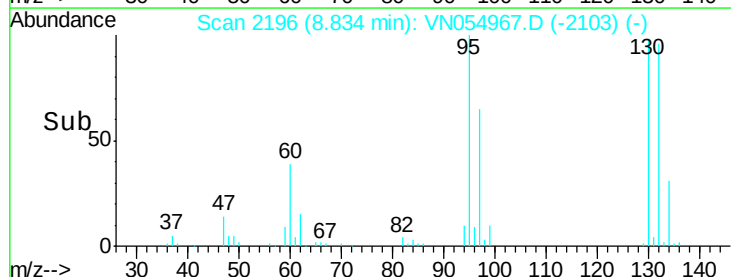
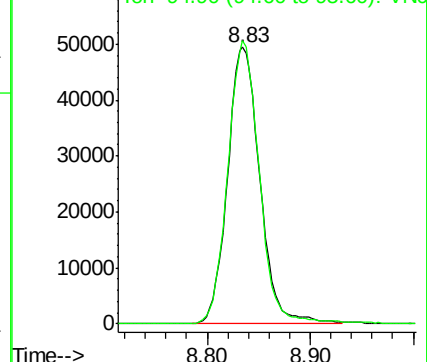
130 100

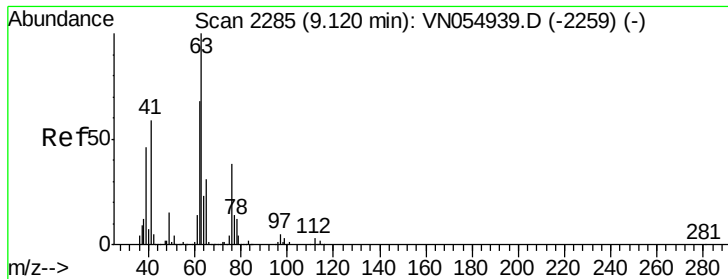
95 102.3 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054967.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054967.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.434 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

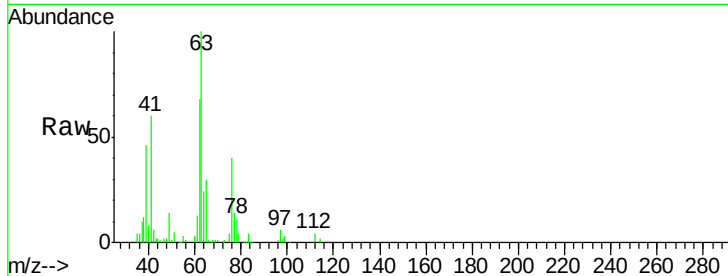
ClientSampleId :

Tot Ion: 63 Resp: 117168

Ion Ratio Lower Upper

63 100

65 30.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

50000

40000

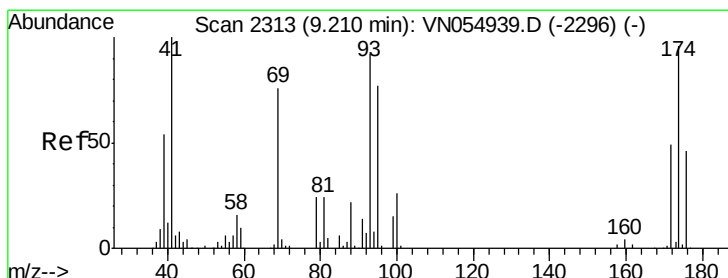
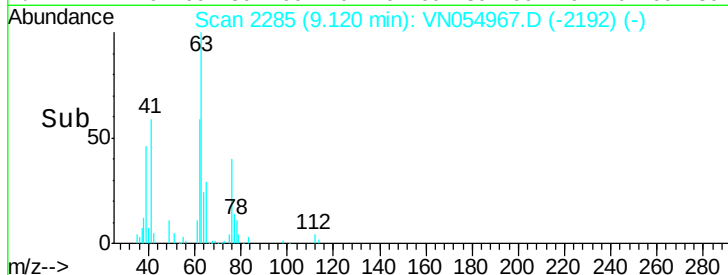
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.911 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

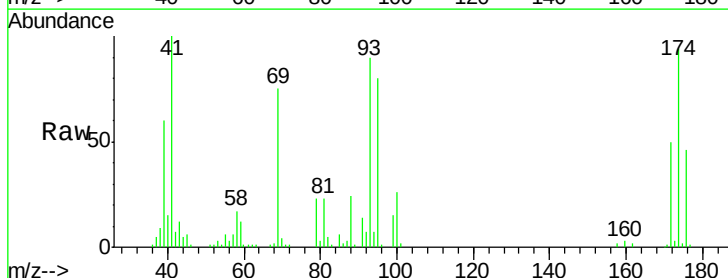
Tgt Ion: 93 Resp: 64743

Ion Ratio Lower Upper

93 100

95 86.3 66.7 100.1

174 102.9 82.0 123.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

40000

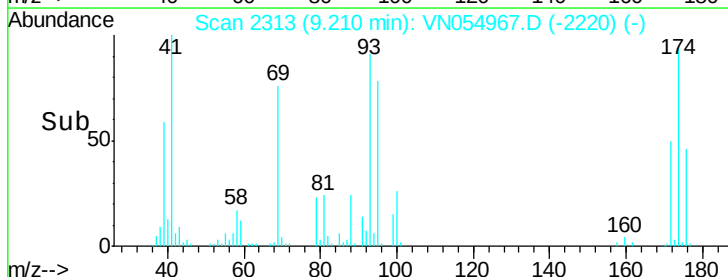
30000

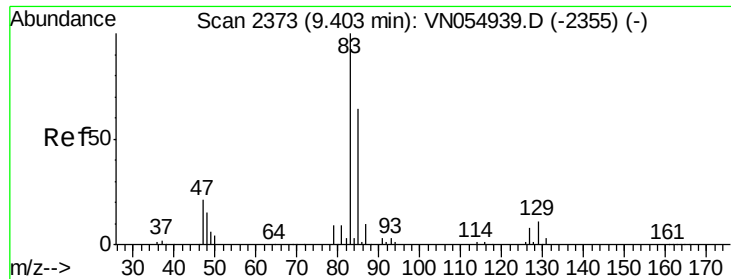
20000

10000

0

Time-->

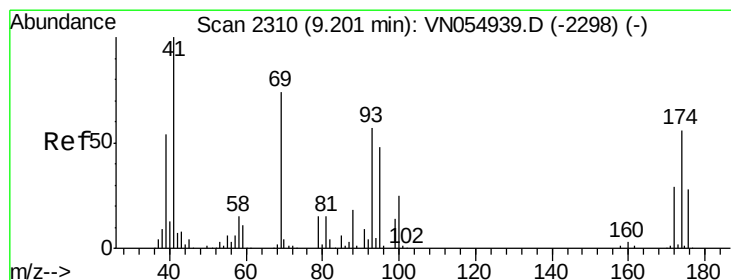
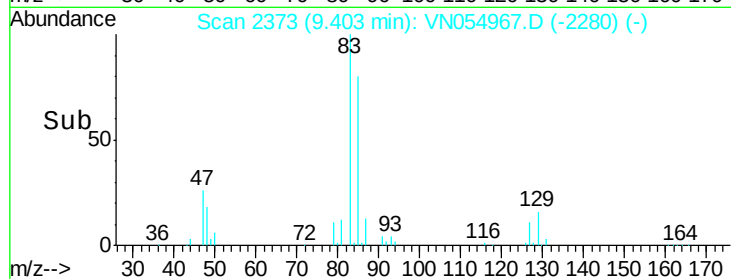
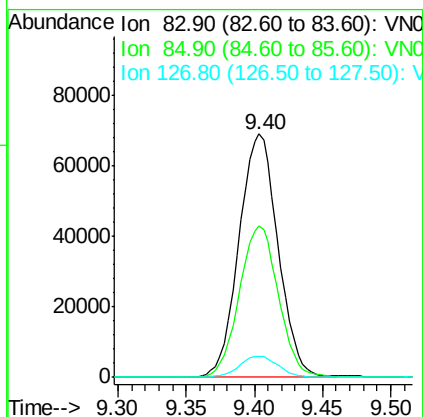
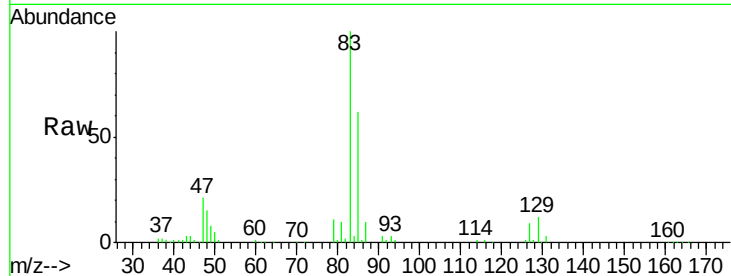




#47
Bromodichloromethane
Concen: 20.096 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

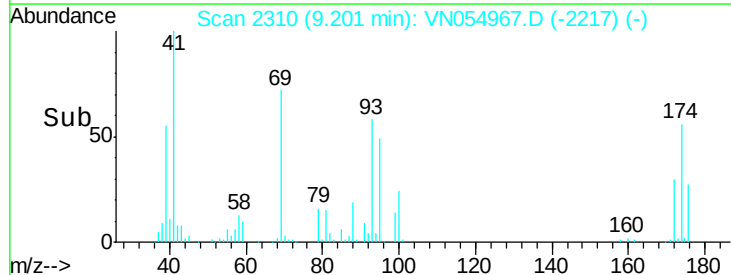
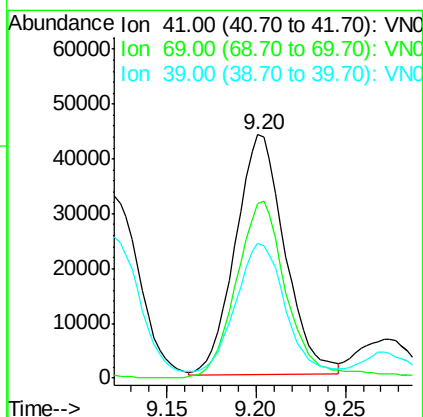
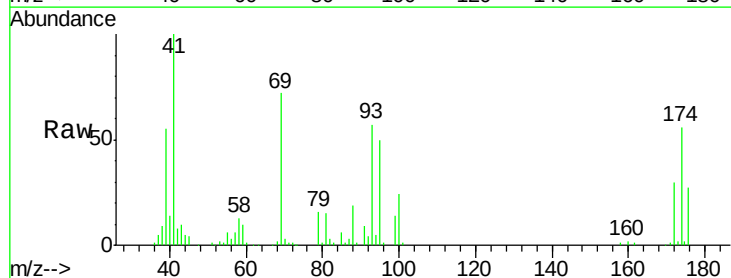
Instrument :
MSVOA_N
ClientSampled :

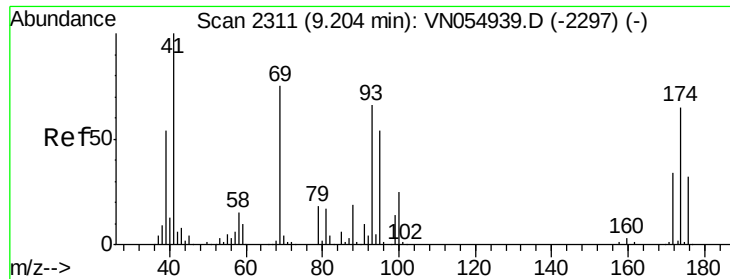
Tot Ion: 83 Resp: 137245
Ion Ratio Lower Upper
83 100
85 62.0 51.1 76.7
127 8.7 6.7 10.1



#48
Methyl methacrylate
Concen: 20.212 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 41 Resp: 84633
Ion Ratio Lower Upper
41 100
69 76.2 58.9 88.3
39 56.7 44.2 66.4





#49

1,4-Dioxane

Concen: 435.878 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

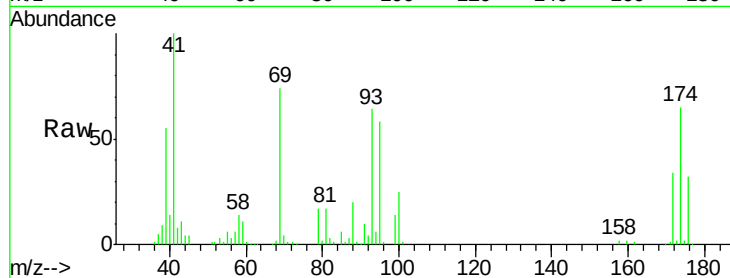
Tot Ion: 88 Resp: 18422

Ion Ratio Lower Upper

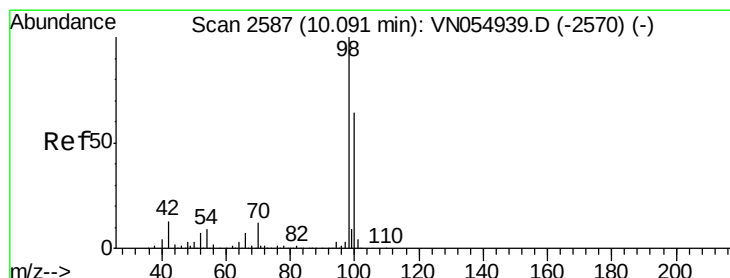
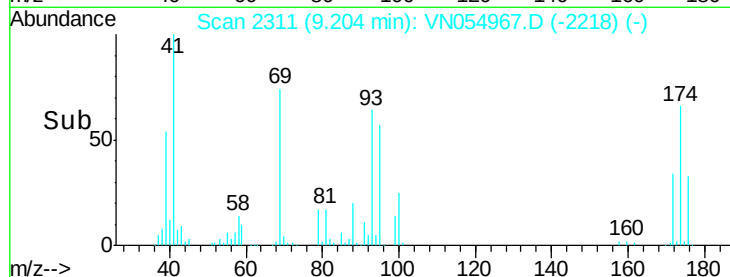
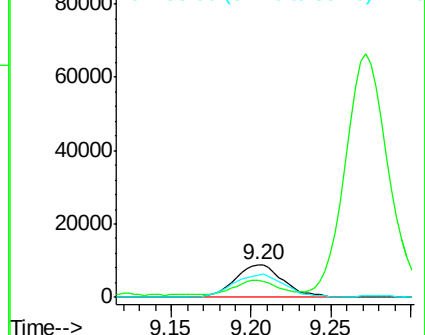
88 100

43 42.4 31.5 47.3

58 76.0 61.9 92.9



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.645 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054967.D

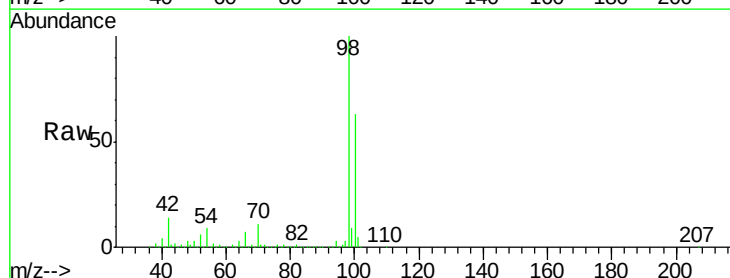
Acq: 5 Apr 2019 11:46

Tgt Ion: 98 Resp: 885084

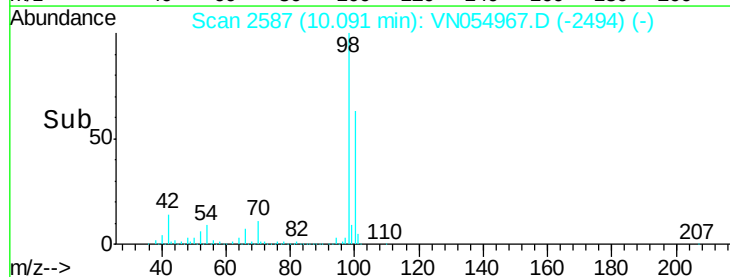
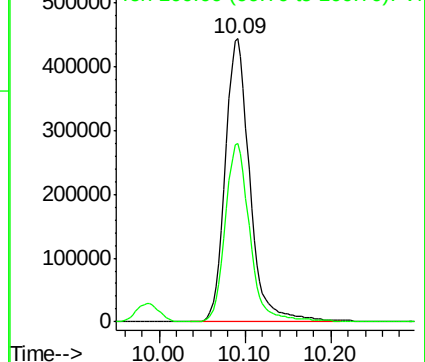
Ion Ratio Lower Upper

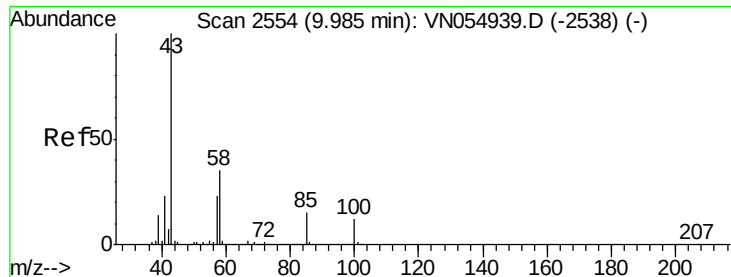
98 100

100 62.9 51.5 77.3



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

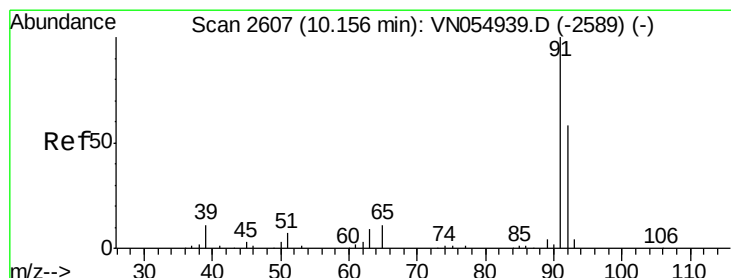
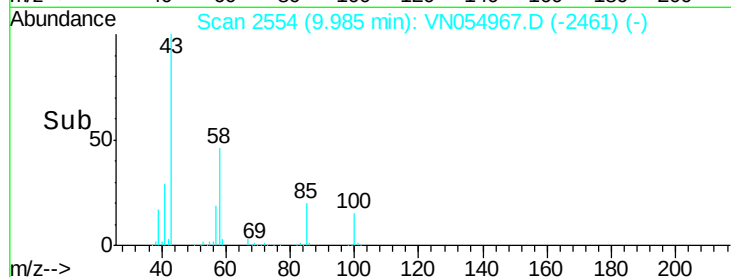
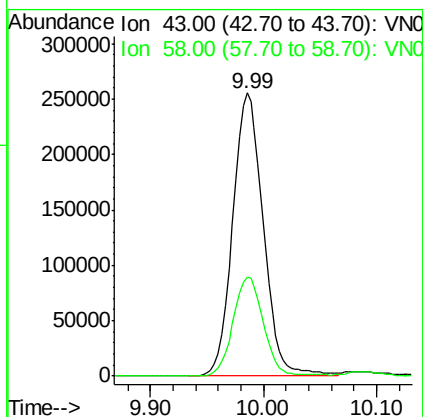
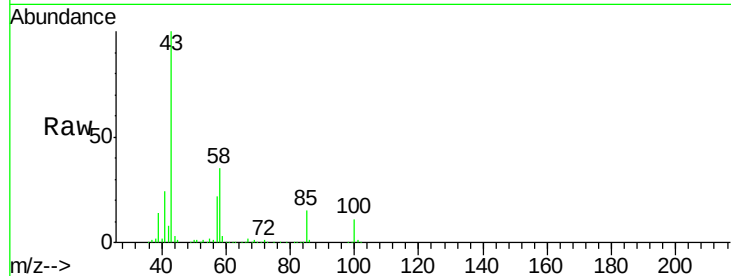




#51
 4-Methyl-2-Pentanone
 Concen: 103.552 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

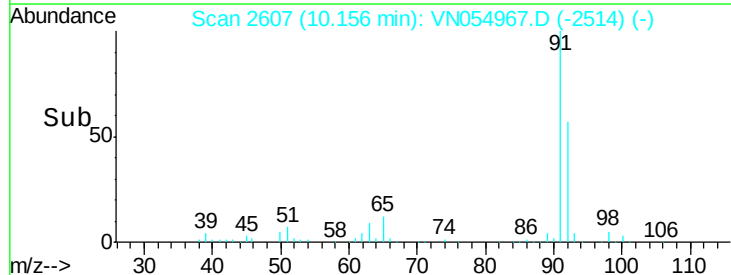
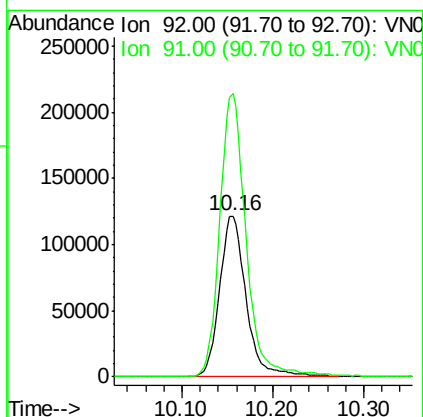
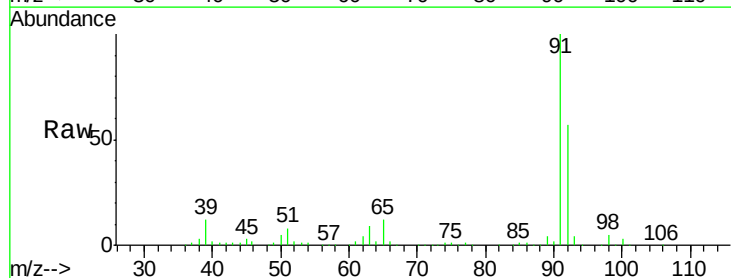
Instrument :
 MSVOA_N
 ClientSampled :

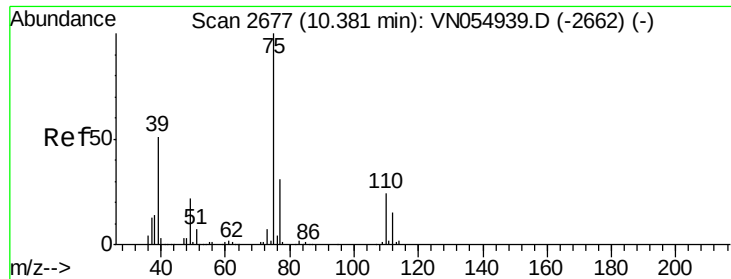
Tot Ion: 43 Resp: 477833
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.3 42.5



#52
 Toluene
 Concen: 20.379 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 92 Resp: 247198
 Ion Ratio Lower Upper
 92 100
 91 172.9 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

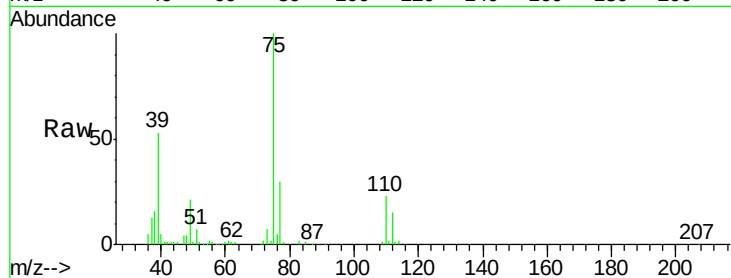
ClientSampleId :

Tot Ion: 75 Resp: 122362

Ion Ratio Lower Upper

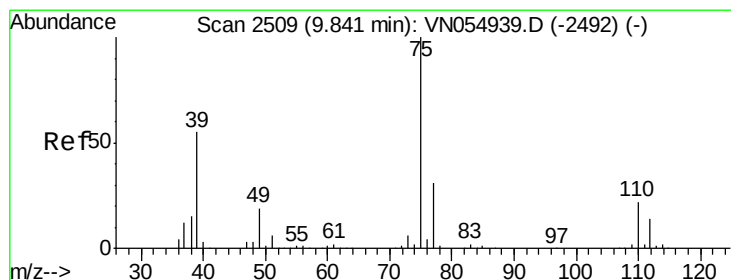
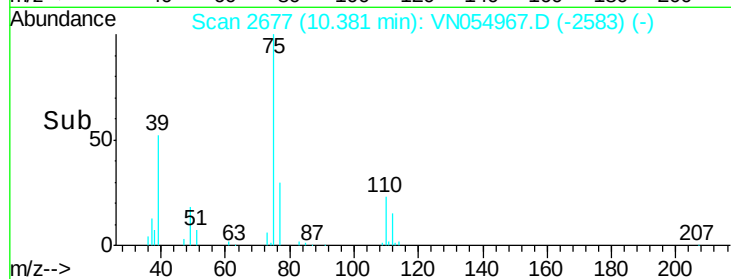
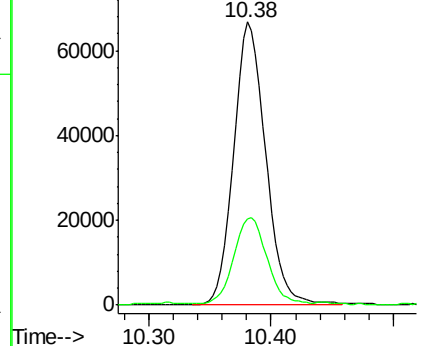
75 100

77 29.9 24.6 36.8



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: 20.463 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

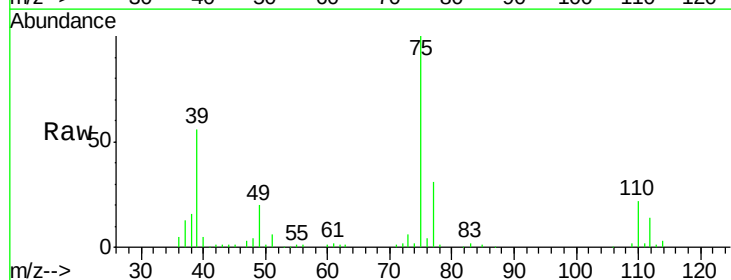
Tgt Ion: 75 Resp: 157288

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

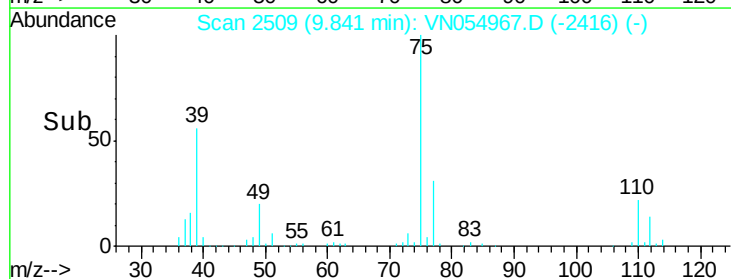
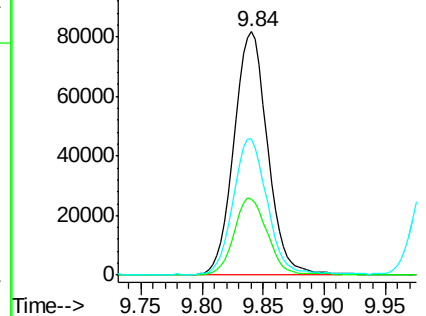
39 55.6 43.9 65.9

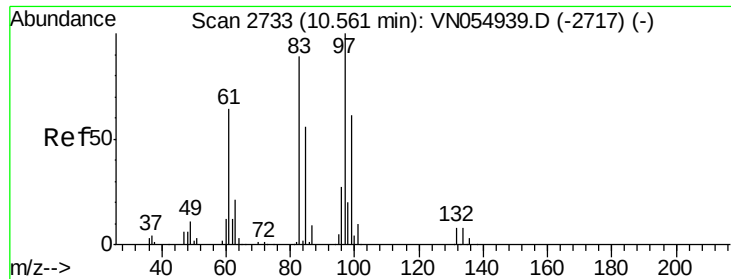


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

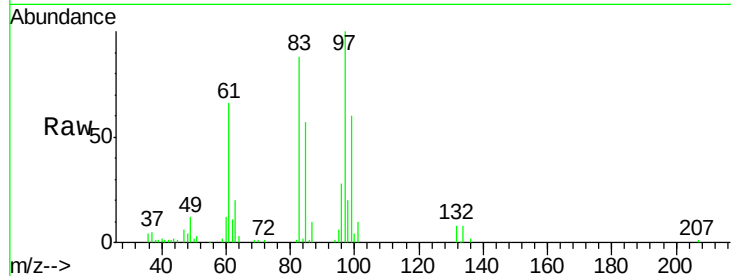




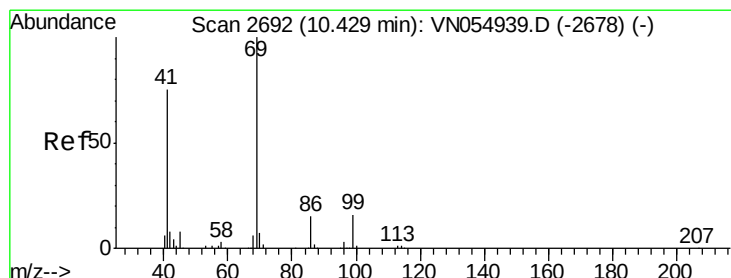
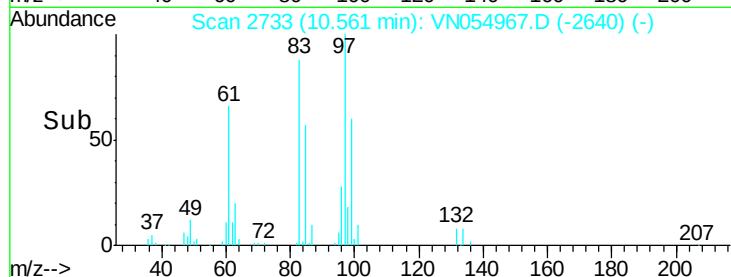
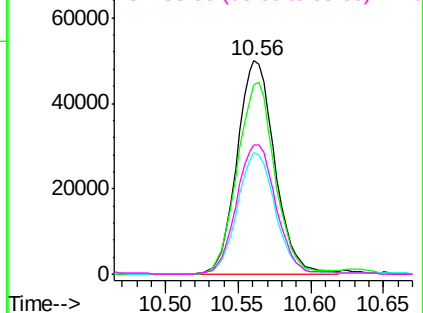
#55
 1,1,2-Trichloroethane
 Concen: 20.545 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	90355
Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.5	107.3
85	56.8	45.0	67.6
99	60.5	49.1	73.7

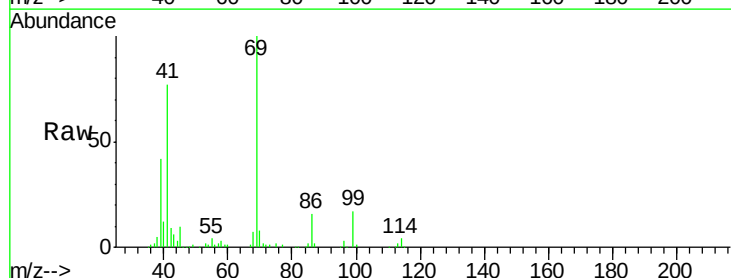


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

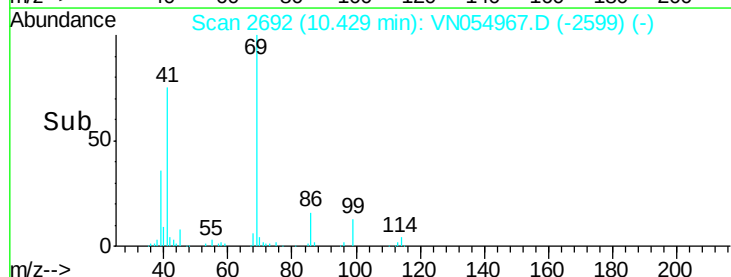
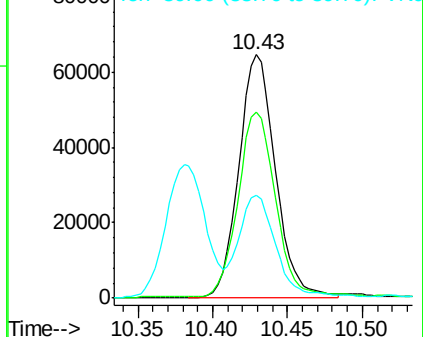


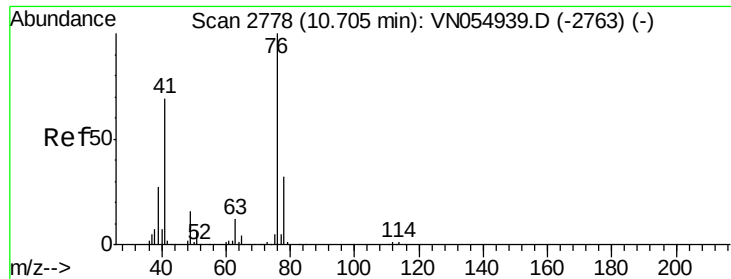
#56
 Ethyl methacrylate
 Concen: 19.249 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion:	69	Resp:	110686
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.2	90.2
39	42.2	31.3	46.9



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





#57

1,3-Dichloropropane

Concen: 20.689 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

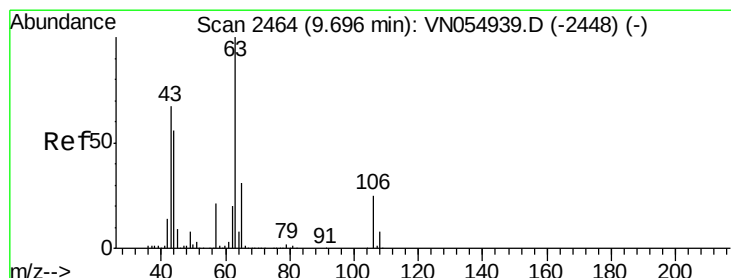
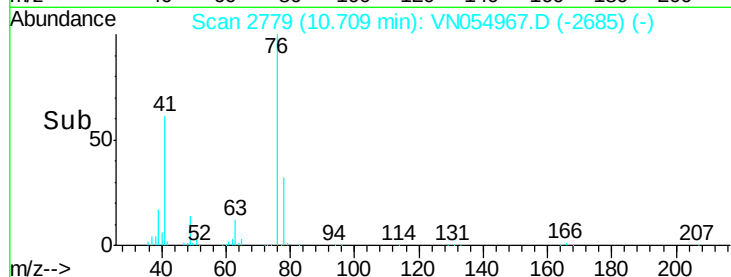
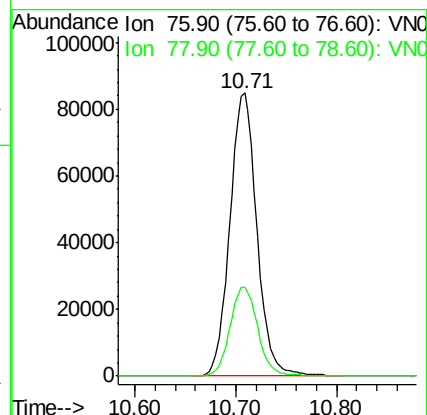
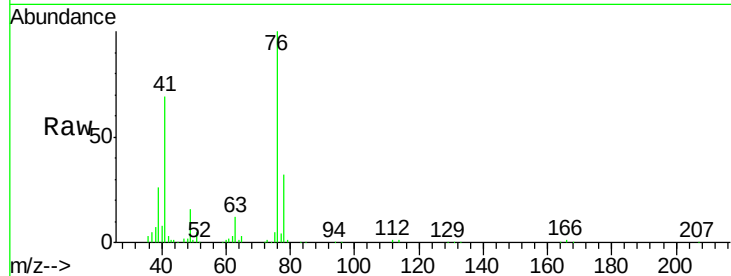
ClientSampleId :

Tot Ion: 76 Resp: 158905

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 94.221 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054967.D

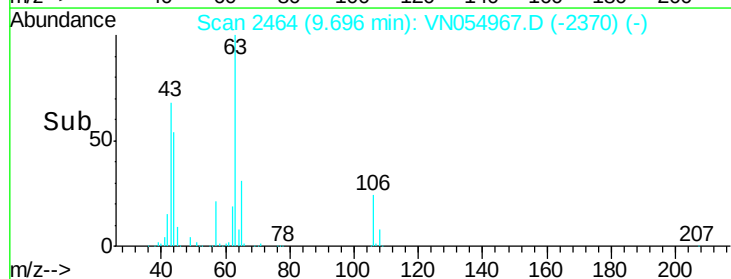
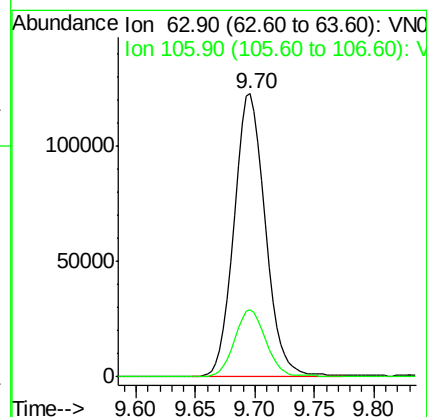
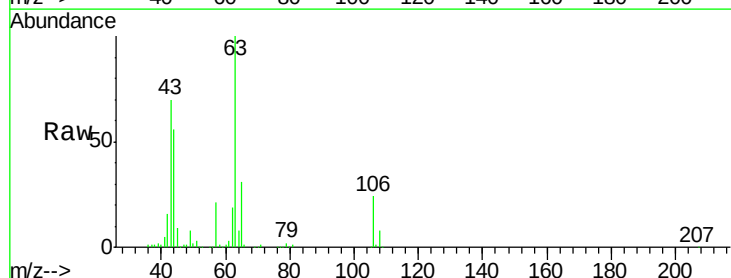
Acq: 5 Apr 2019 11:46

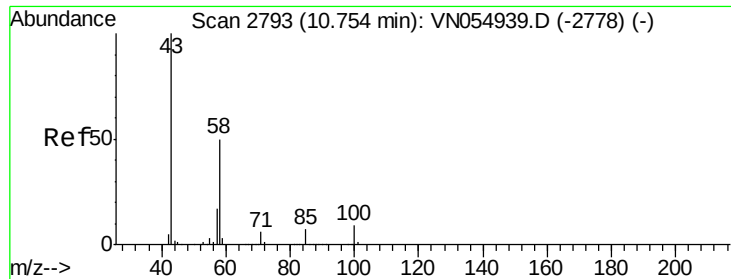
Tgt Ion: 63 Resp: 224334

Ion Ratio Lower Upper

63 100

106 23.9 19.7 29.5

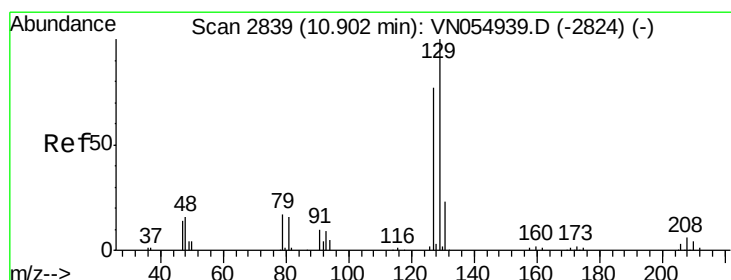
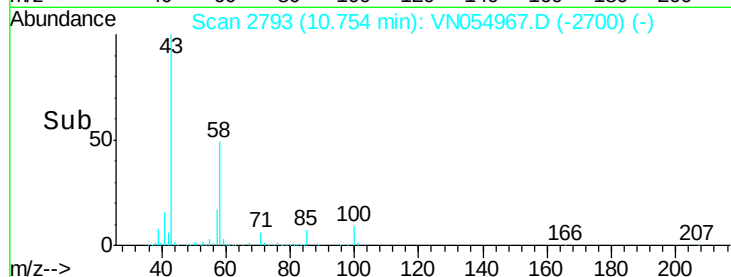
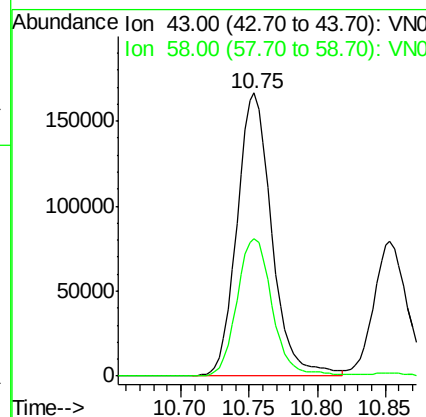
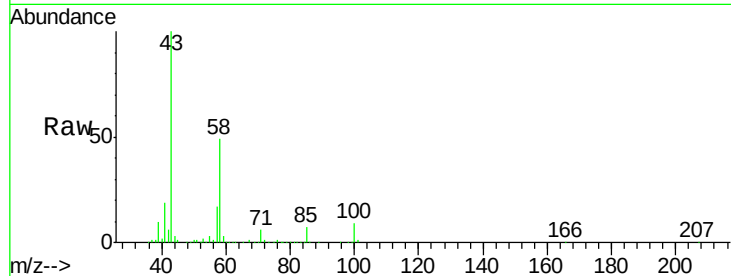




#59
2-Hexanone
Concen: 101.473 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

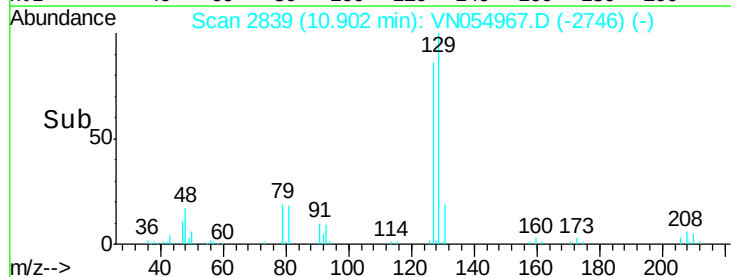
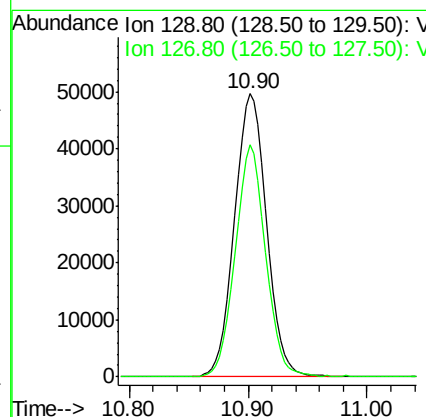
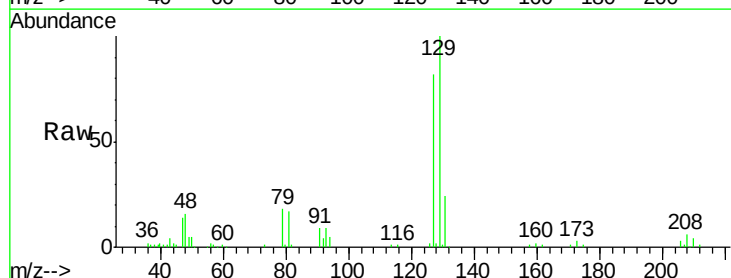
Instrument :
MSVOA_N
ClientSampleId :

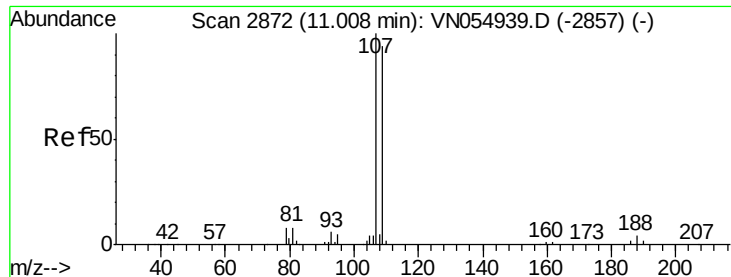
Tot Ion: 43 Resp: 292468
Ion Ratio Lower Upper
43 100
58 49.5 24.6 73.8



#60
Dibromochloromethane
Concen: 20.121 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 129 Resp: 92688
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2

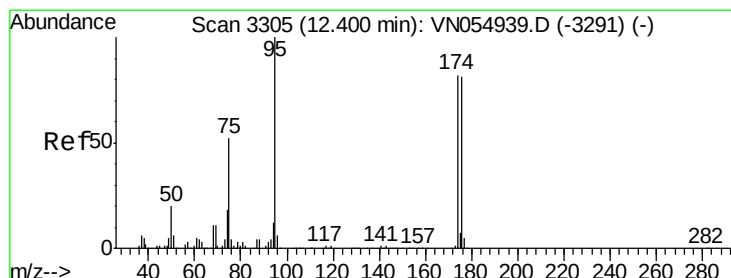
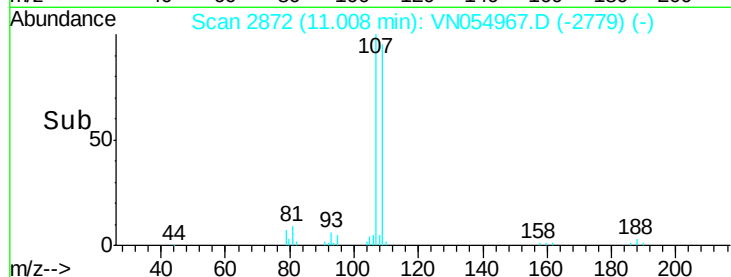
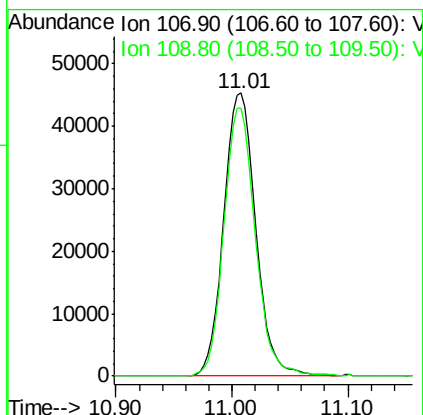
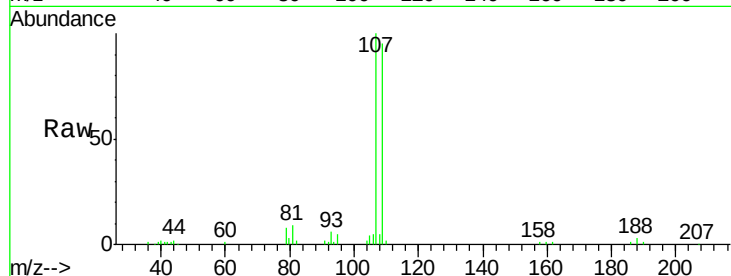




#61
 1,2-Dibromoethane
 Concen: 20.934 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

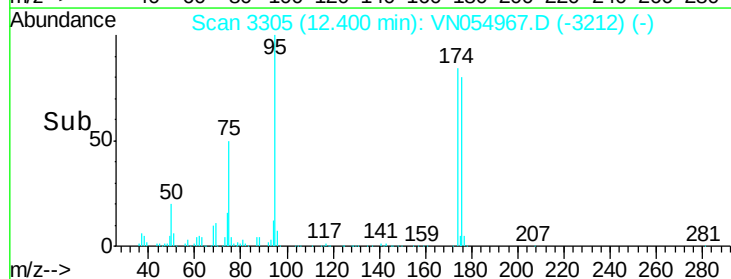
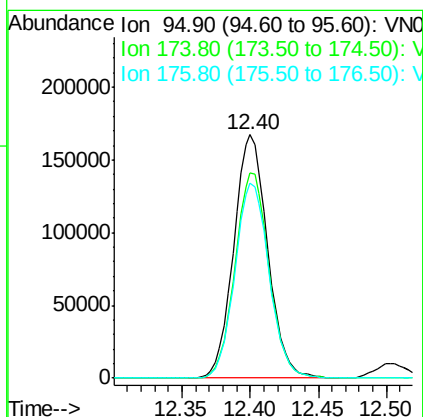
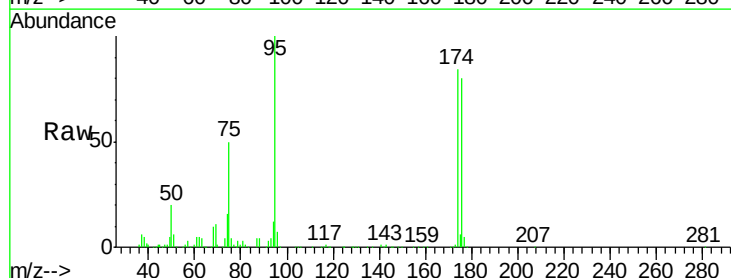
Instrument :
 MSVOA_N
 ClientSampled :

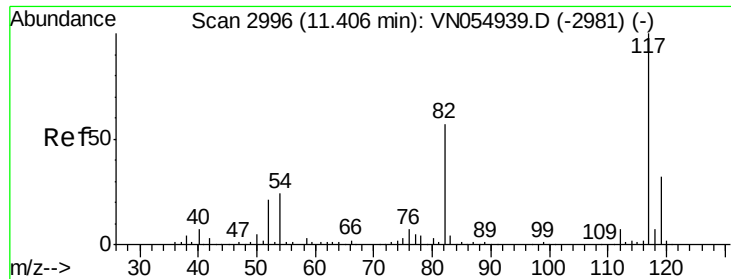
Tot Ion: 107 Resp: 86566
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.394 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 95 Resp: 287928
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 166.2
 176 81.0 0.0 163.2

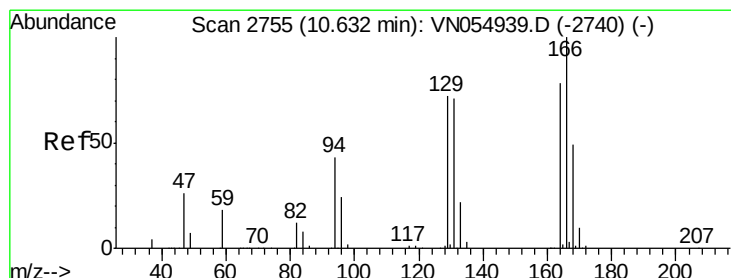
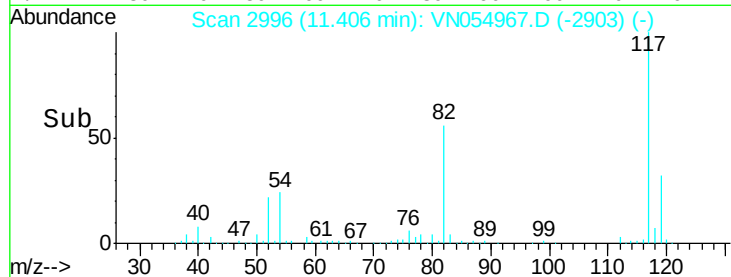
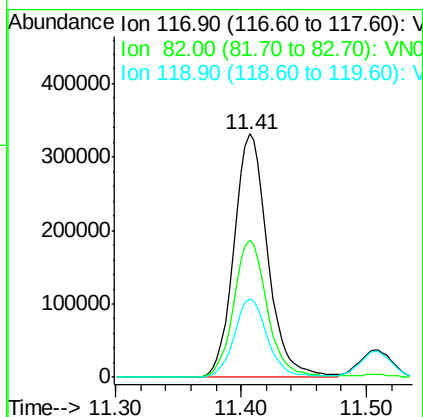
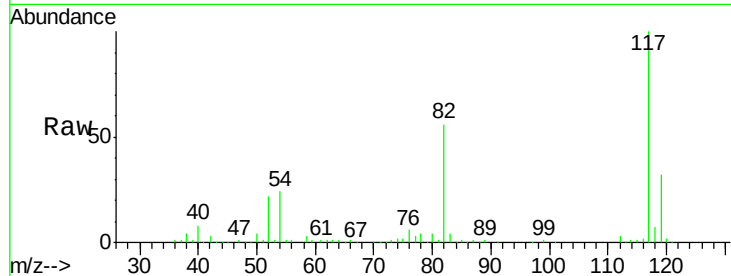




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

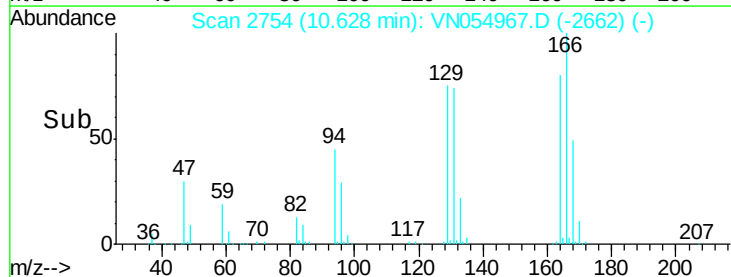
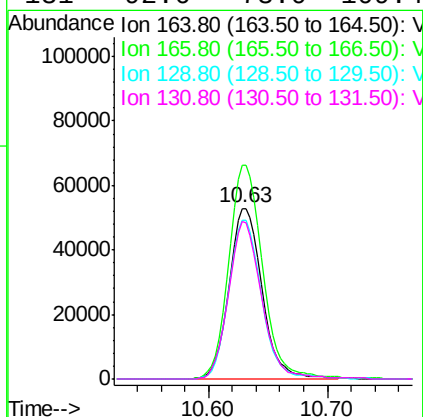
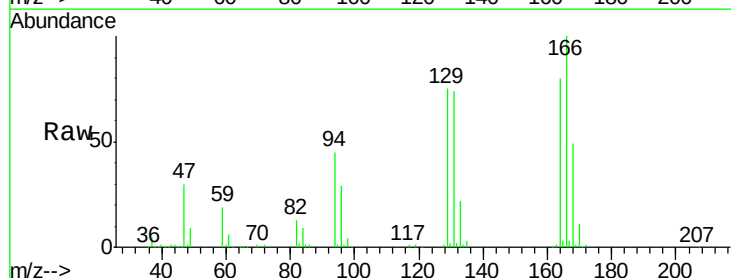
Instrument :
MSVOA_N
ClientSampled :

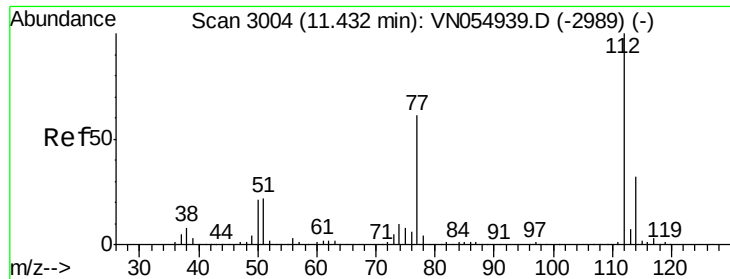
Tot Ion:117 Resp: 619271
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 20.444 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion:164 Resp: 102109
Ion Ratio Lower Upper
164 100
166 125.2 103.1 154.7
129 93.3 73.9 110.9
131 92.6 73.0 109.4





#65

Chlorobenzene

Concen: 20.279 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

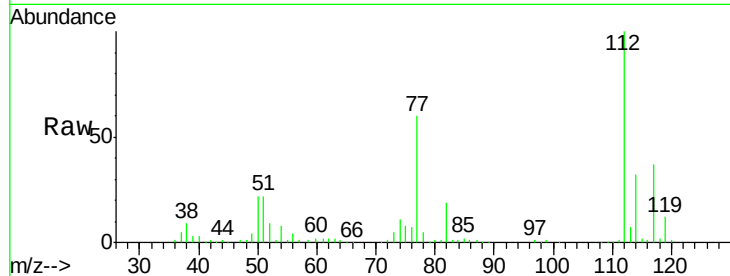
ClientSampled :

Tot Ion:112 Resp: 255979

Ion Ratio Lower Upper

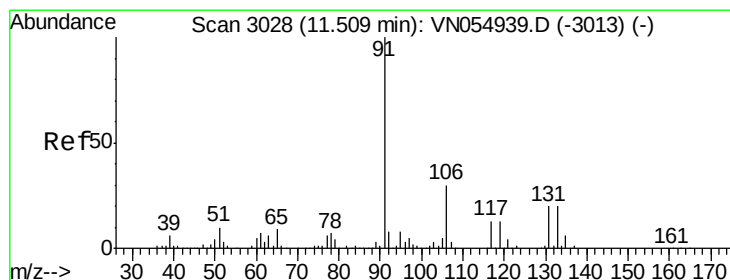
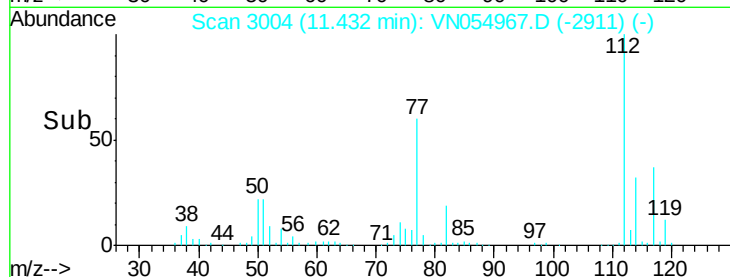
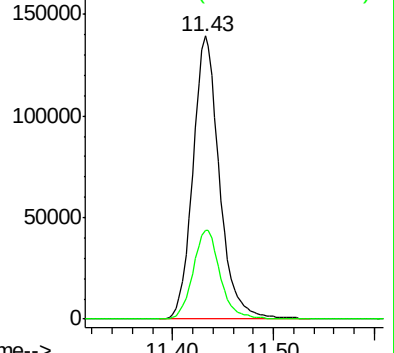
112 100

114 31.5 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.649 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

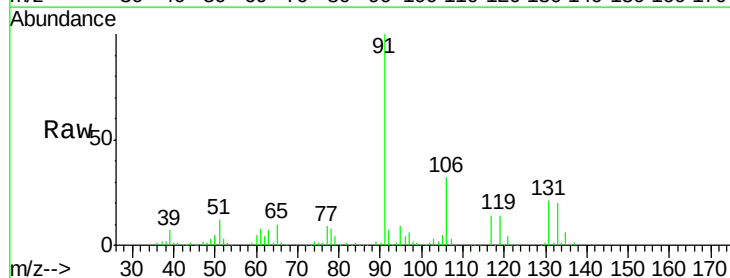
Tgt Ion:131 Resp: 95431

Ion Ratio Lower Upper

131 100

133 95.8 48.1 144.4

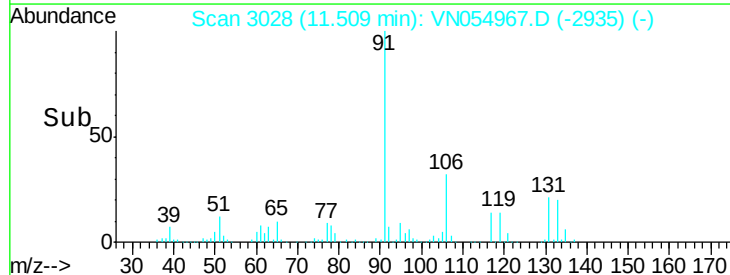
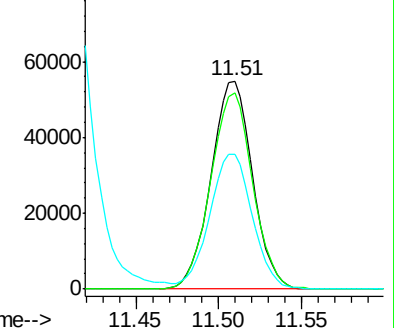
119 67.2 33.1 99.2

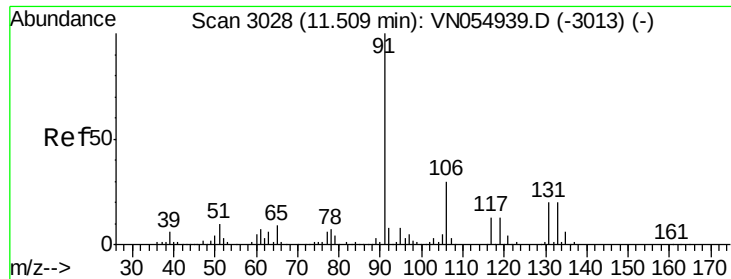


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

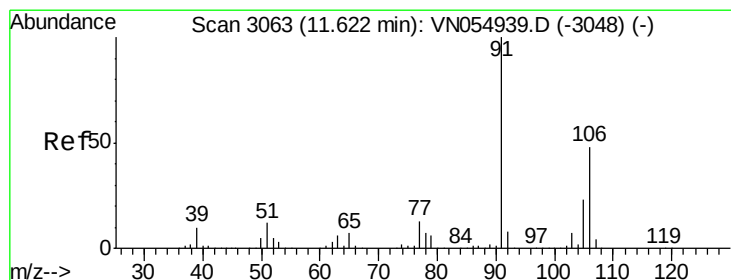
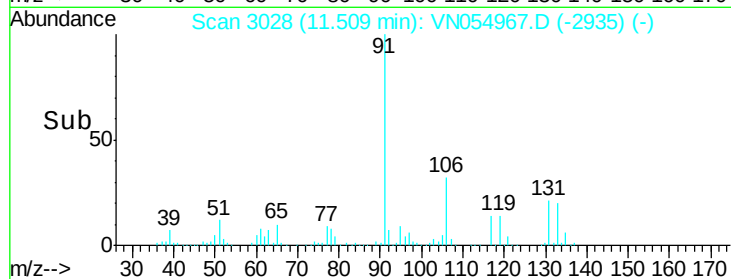
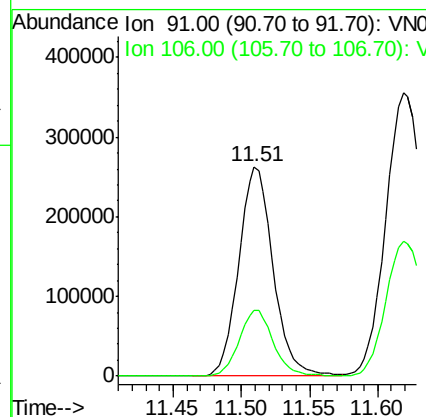
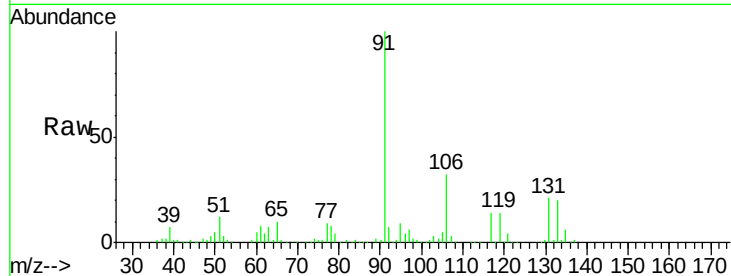




#67
Ethyl Benzene
Concen: 20.246 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

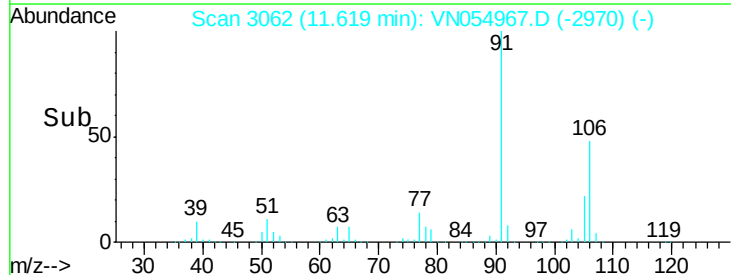
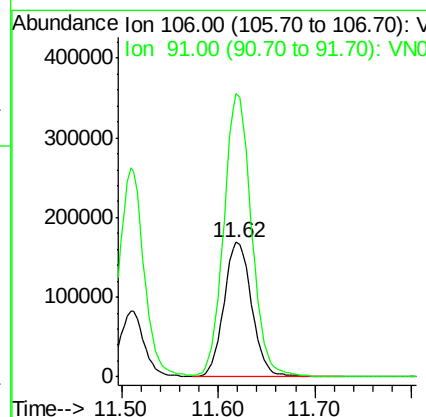
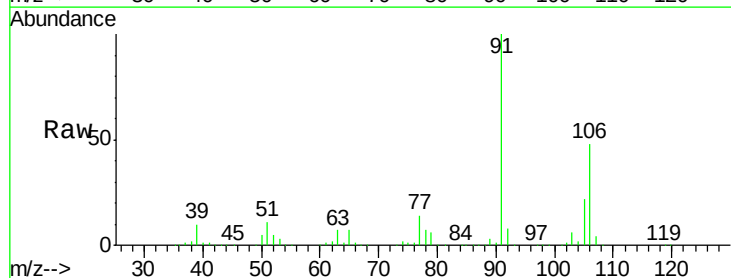
Instrument :
MSVOA_N
ClientSampled :

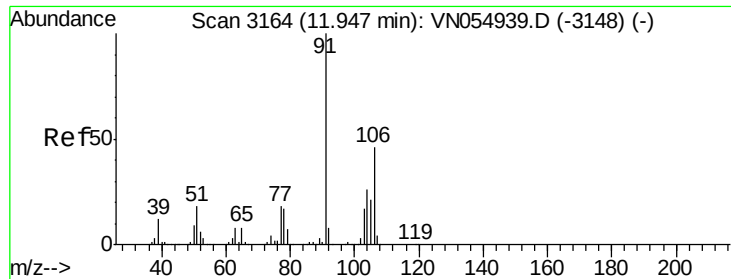
Tot Ion: 91 Resp: 460788
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 40.736 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion: 106 Resp: 338914
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2

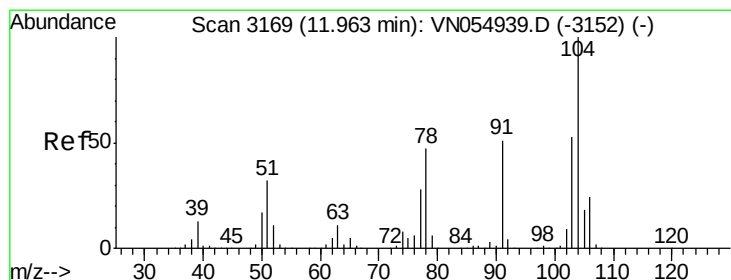
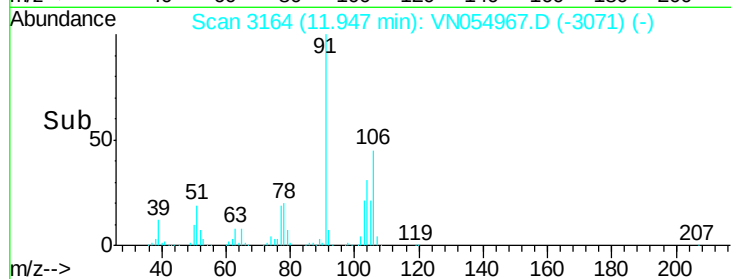
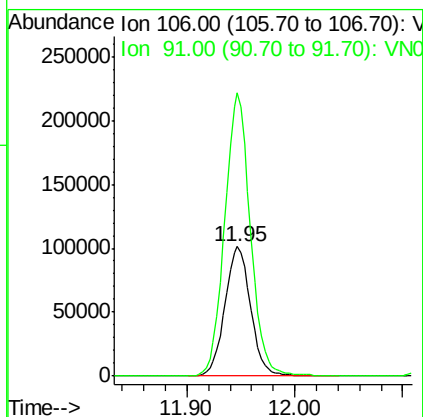
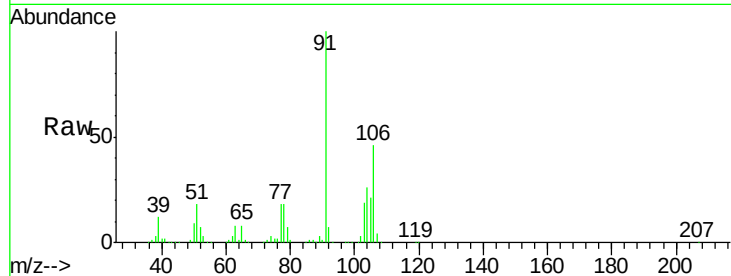




#69
o-Xylene
Concen: 20.810 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

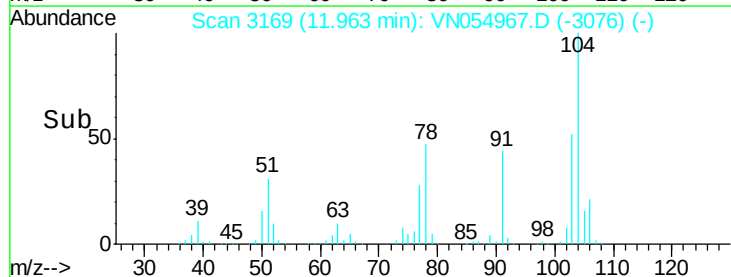
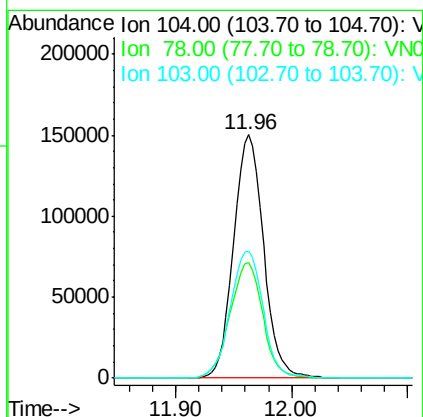
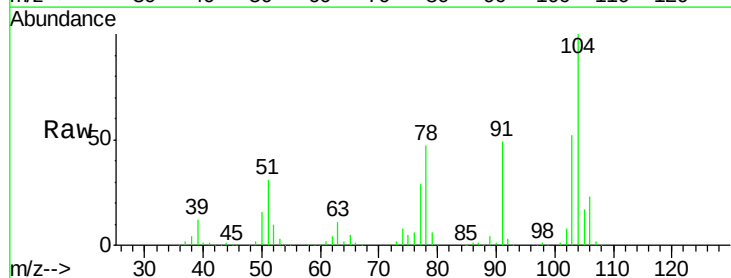
Instrument :
MSVOA_N
ClientSampled :

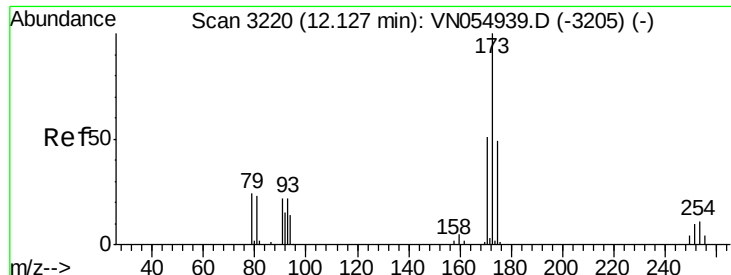
Tot Ion:106 Resp: 168874
Ion Ratio Lower Upper
106 100
91 217.3 109.9 329.7



#70
Styrene
Concen: 20.785 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion:104 Resp: 270548
Ion Ratio Lower Upper
104 100
78 51.7 41.1 61.7
103 56.8 45.0 67.4

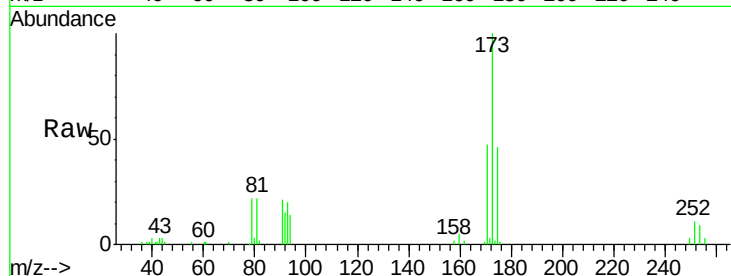




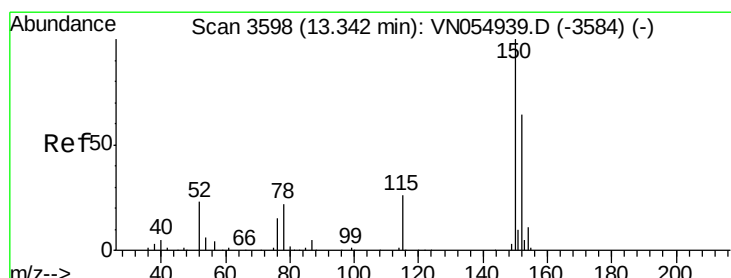
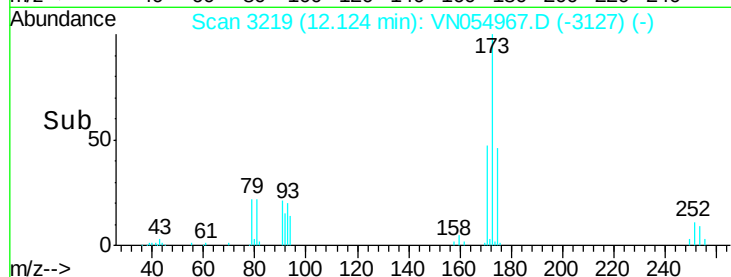
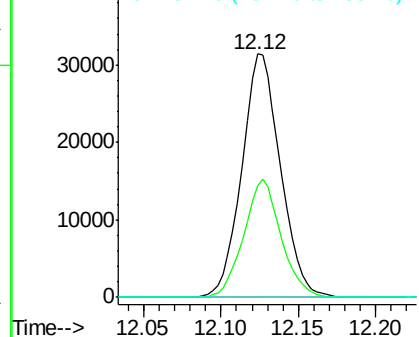
#71
Bromoform
Concen: 19.599 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 54443
Ion Ratio Lower Upper
173 100
175 46.8 24.1 72.4
254 0.0 0.0 0.0

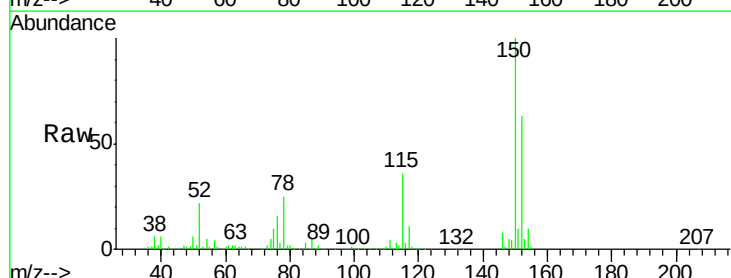


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

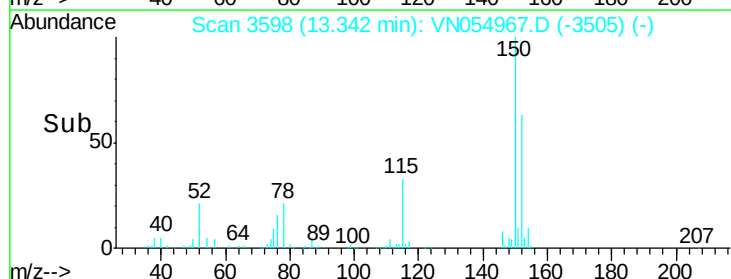
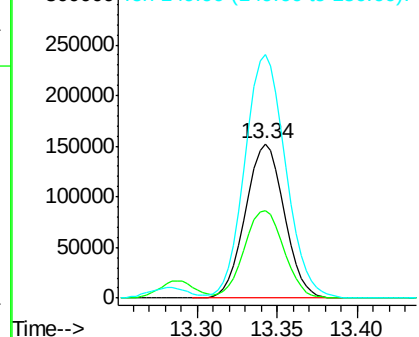


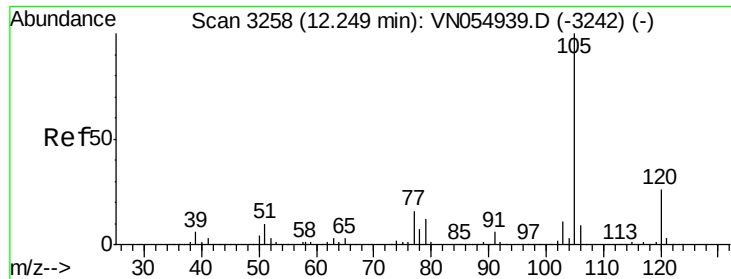
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054967.D
Acq: 5 Apr 2019 11:46

Tgt Ion:152 Resp: 251668
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.8
150 166.6 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.803 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

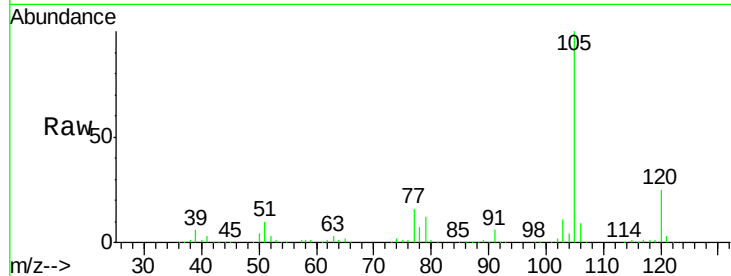
ClientSampleId :

Tot Ion:105 Resp: 442263

Ion Ratio Lower Upper

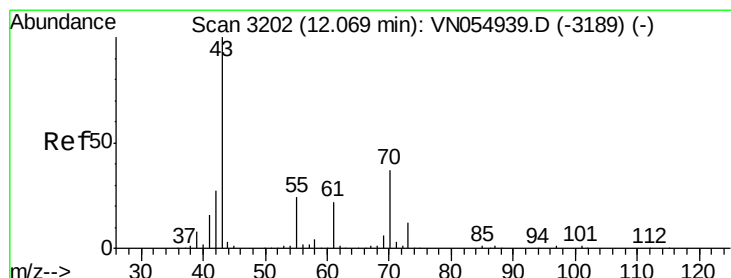
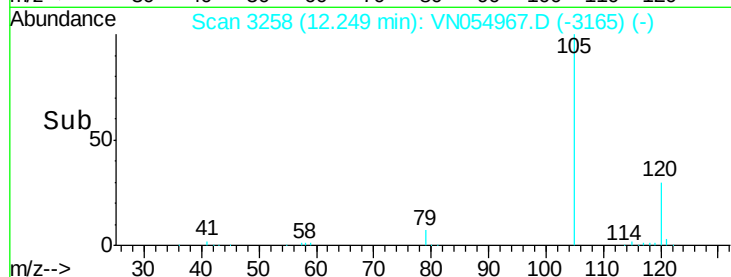
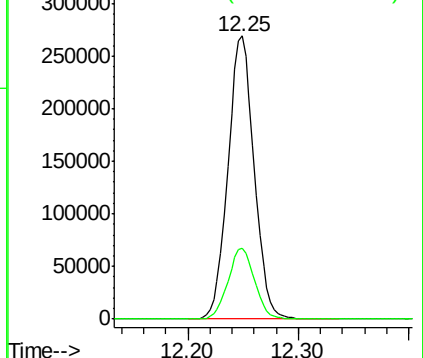
105 100

120 25.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.429 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Tgt Ion: 43 Resp: 126631

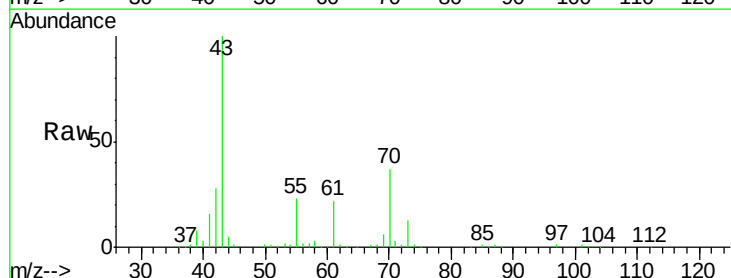
Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 23.6 19.2 28.8

61 21.5 17.4 26.2

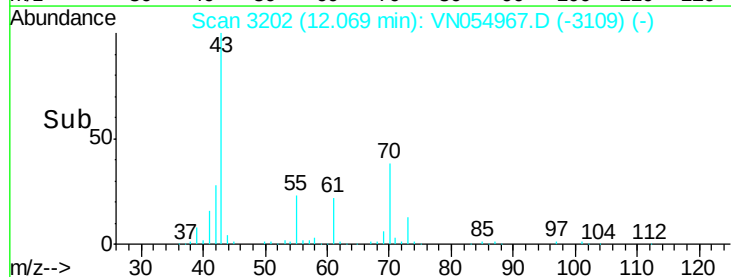
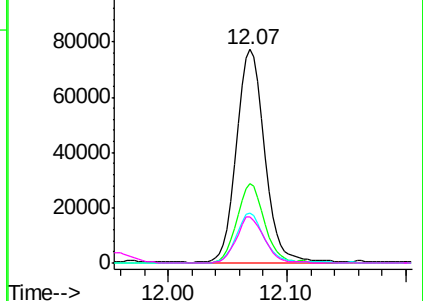


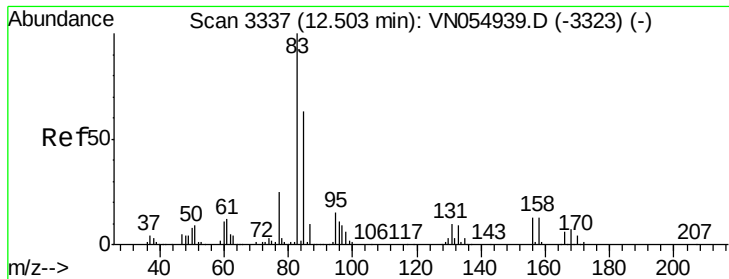
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054967.D

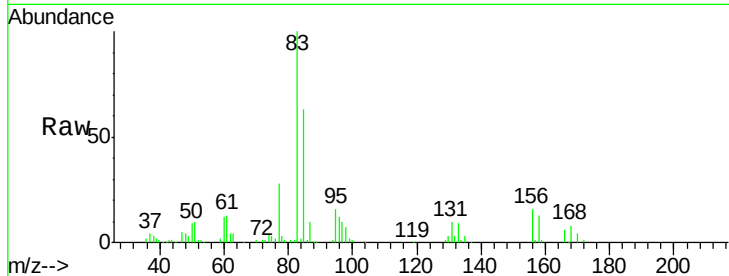
Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

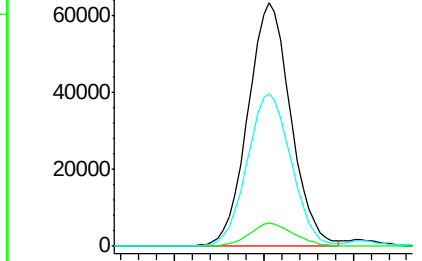
Tot Ion:	83	Resp:	106193
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	64.6	31.4	94.0



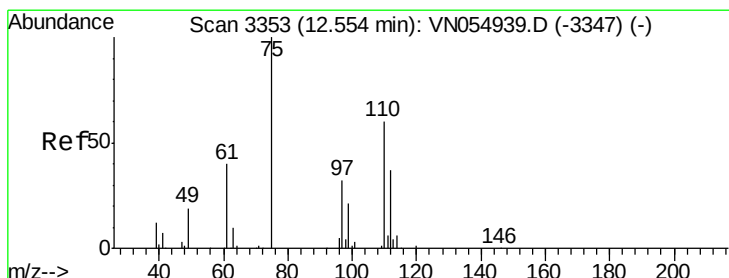
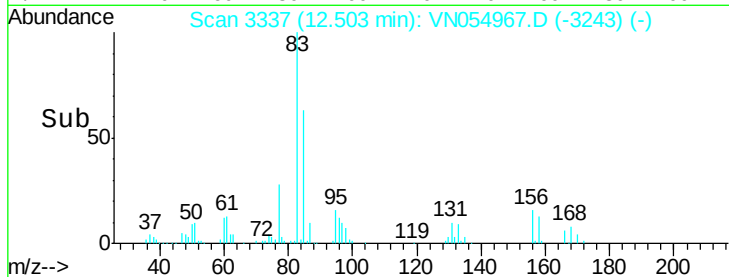
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.362 ug/l

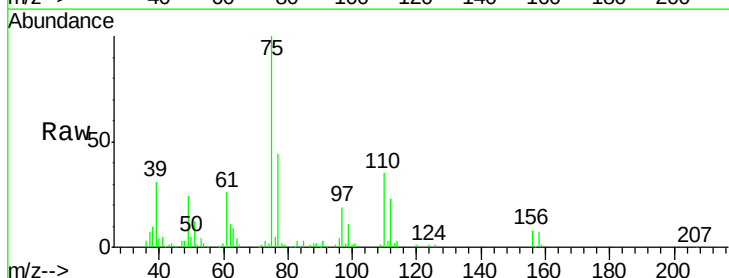
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054967.D

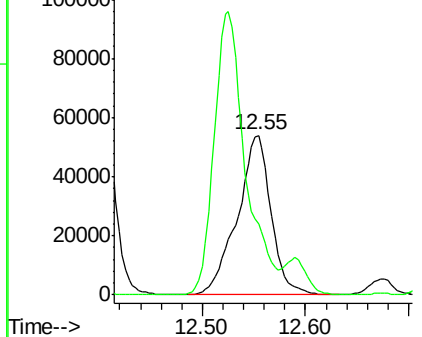
Acq: 5 Apr 2019 11:46

Tgt Ion:	75	Resp:	123238
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

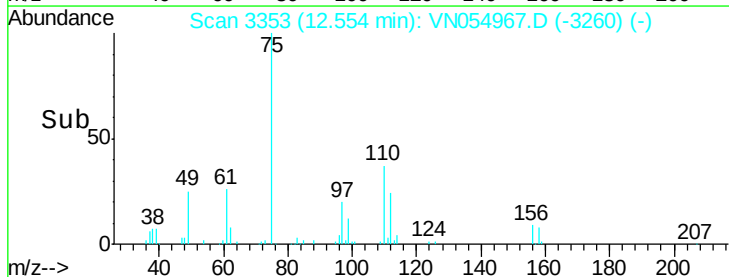


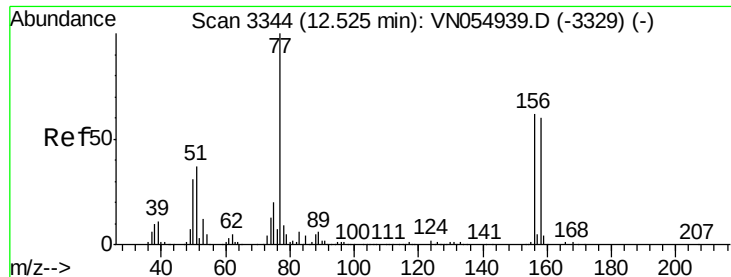
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 20.592 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

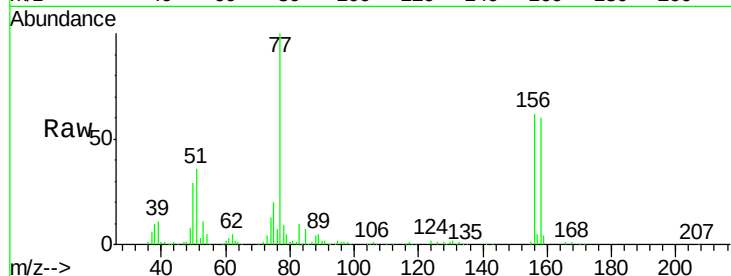
Tot Ion:156 Resp: 106020

Ion Ratio Lower Upper

156 100

77 189.7 93.1 279.3

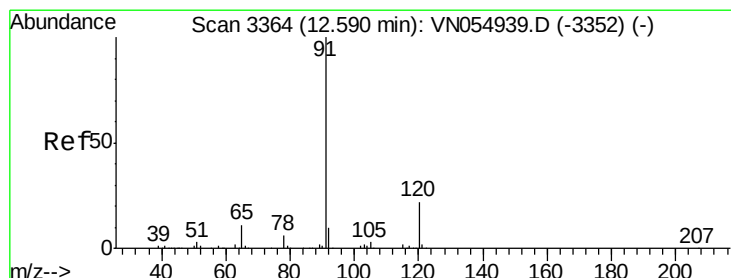
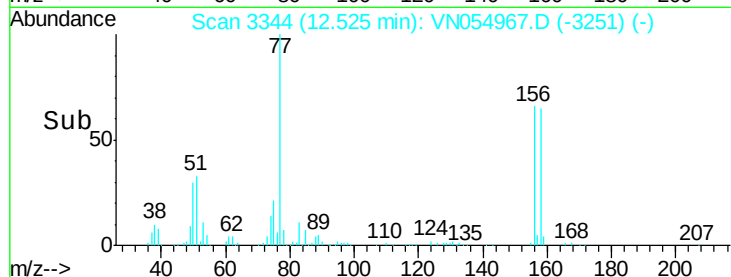
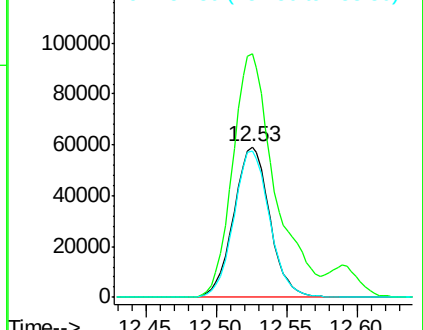
158 97.0 48.4 145.3



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: 20.815 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054967.D

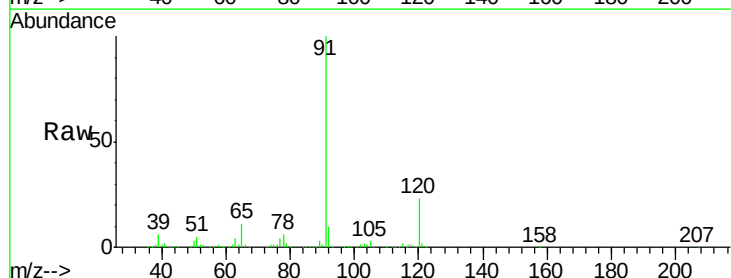
Acq: 5 Apr 2019 11:46

Tgt Ion: 91 Resp: 487530

Ion Ratio Lower Upper

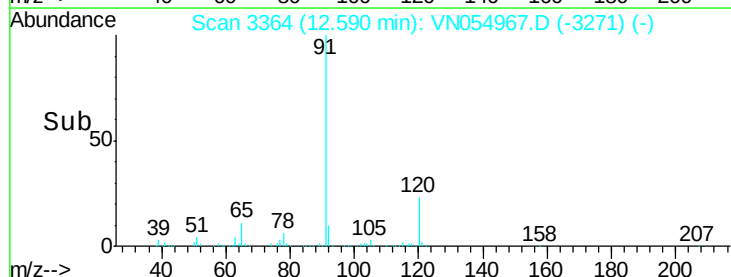
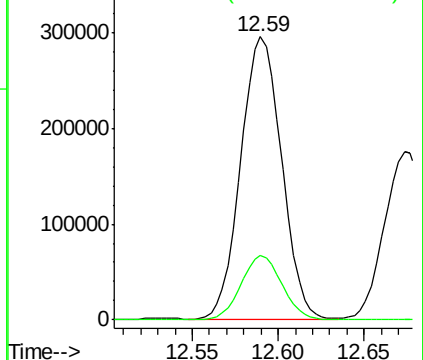
91 100

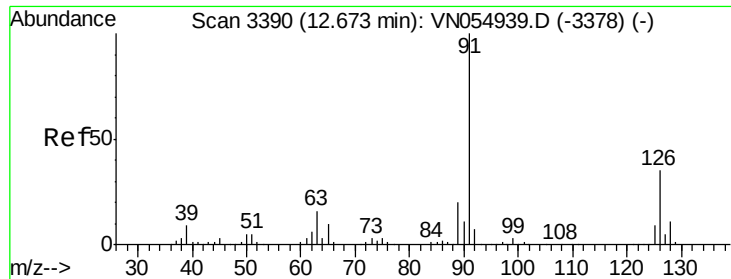
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.577 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

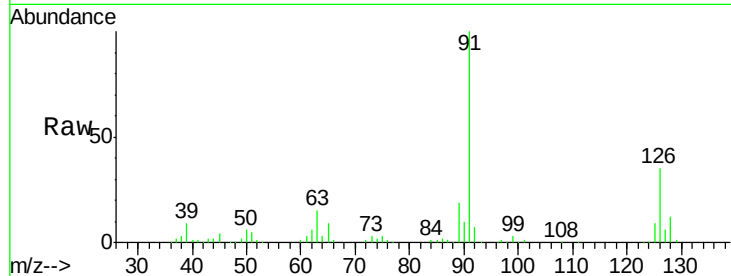
ClientSampleId :

Tot Ion: 91 Resp: 298693

Ion Ratio Lower Upper

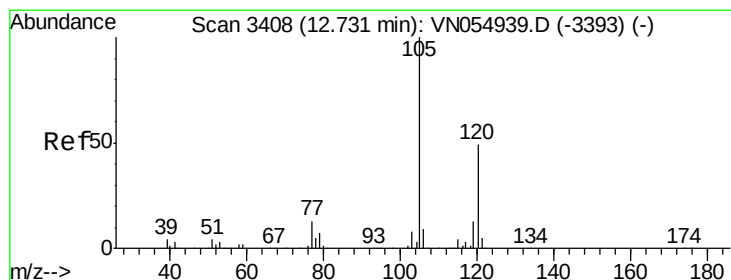
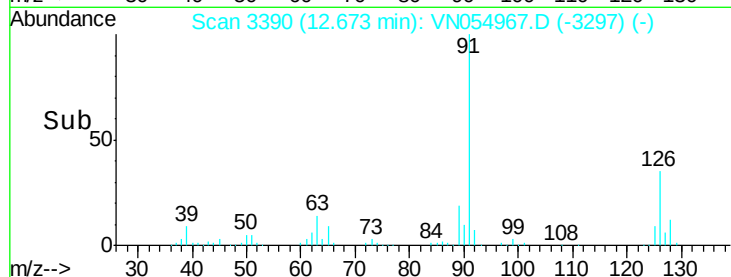
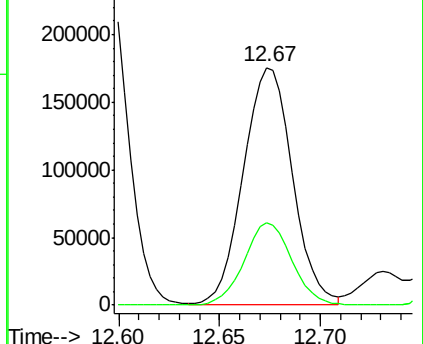
91 100

126 34.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN054939.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.752 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054967.D

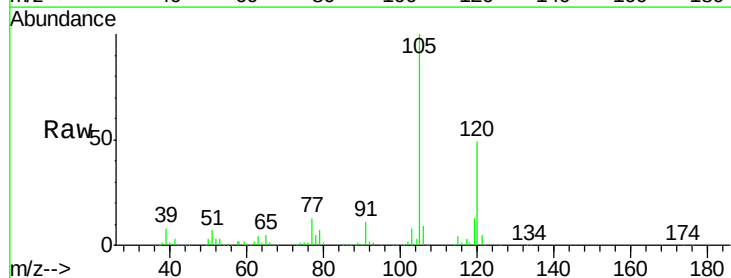
Acq: 5 Apr 2019 11:46

Tgt Ion: 105 Resp: 362331

Ion Ratio Lower Upper

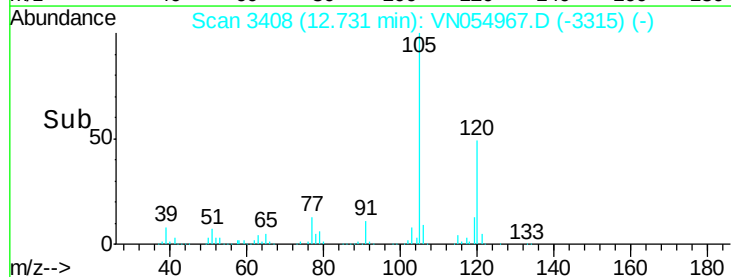
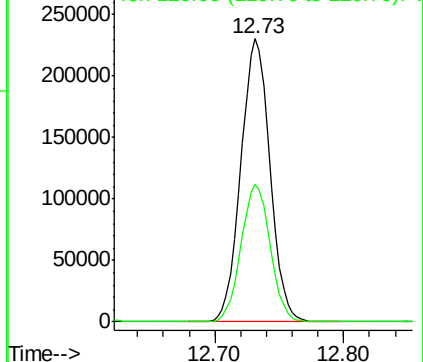
105 100

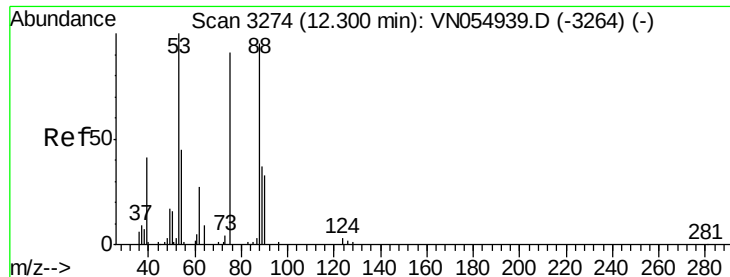
120 48.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054939.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.943 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

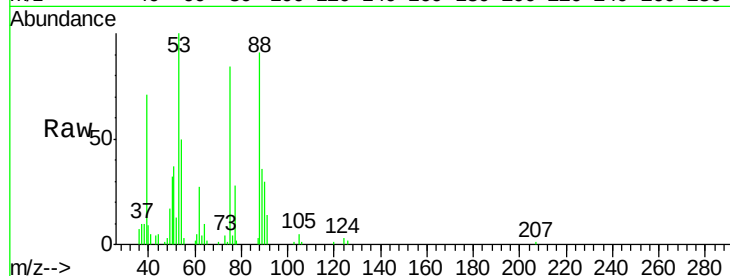
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 21728

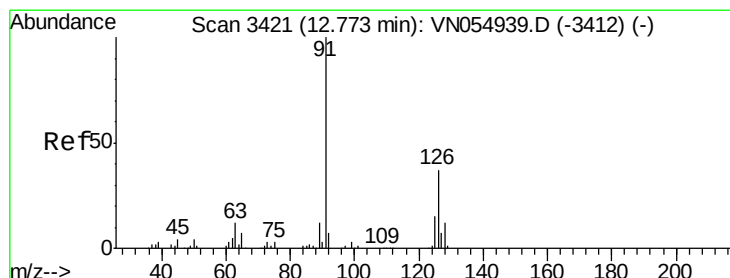
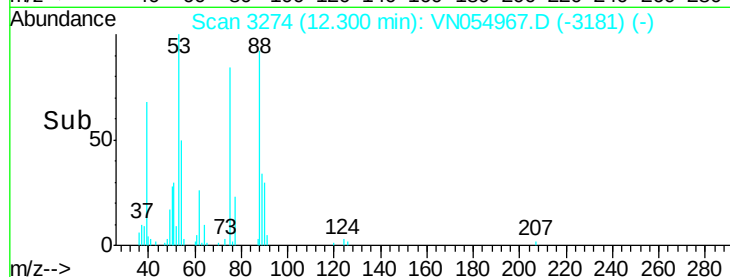
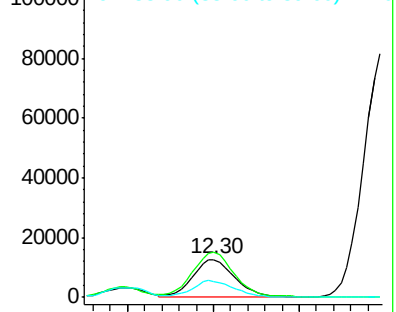
Ion	Ratio	Lower	Upper
75	100		
53	120.5	92.8	139.2
89	44.8	36.7	55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.893 ug/l

RT: 12.77 min Scan# 3421

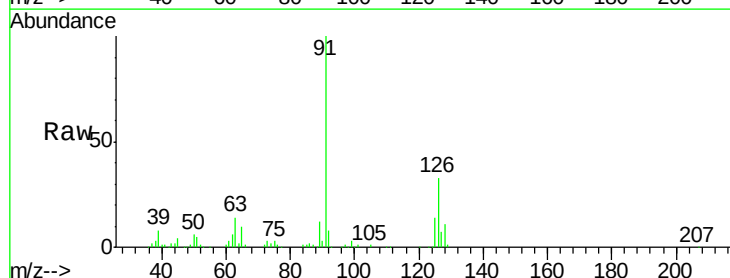
Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

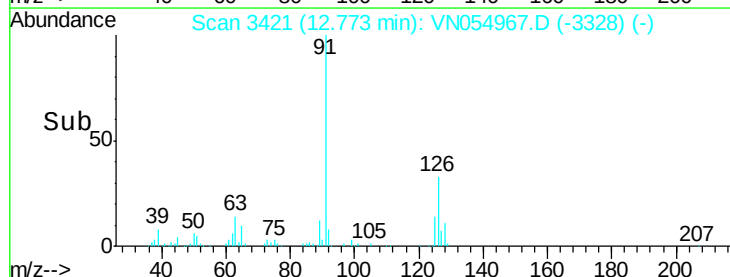
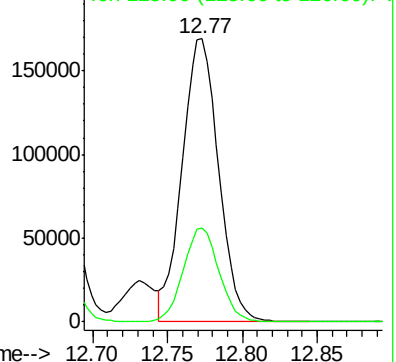
Tgt Ion: 91 Resp: 286861

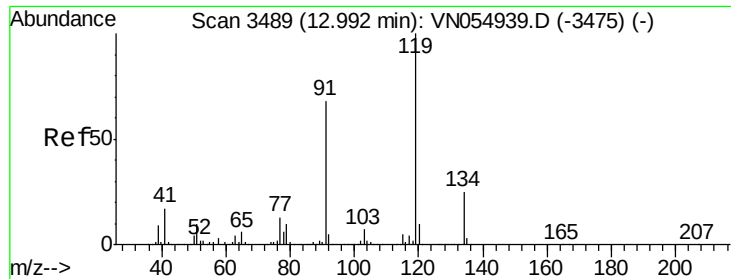
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.9	50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

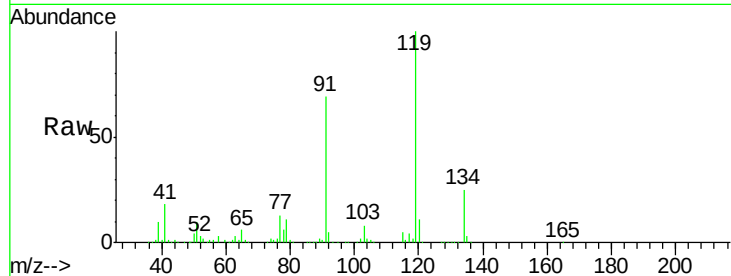




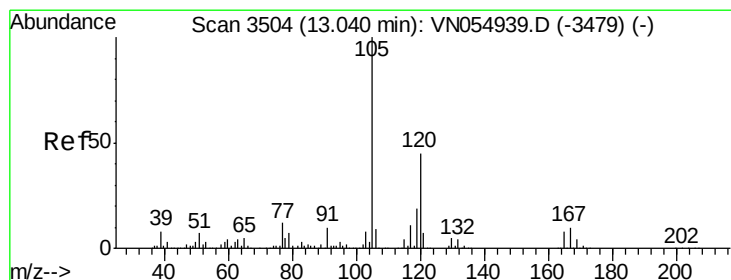
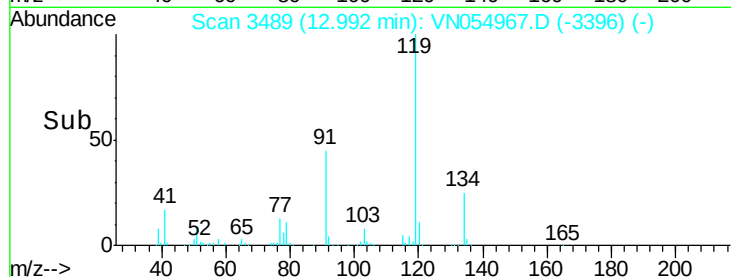
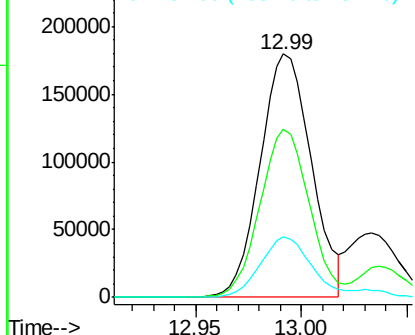
#83
 tert-Butylbenzene
 Concen: 20.424 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 303342
 Ion Ratio Lower Upper
 119 100
 91 66.7 33.5 100.5
 134 24.7 12.4 37.0

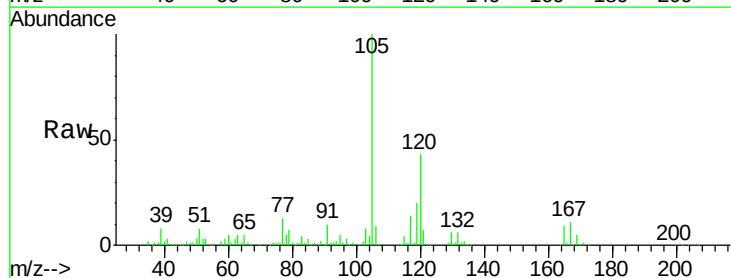


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

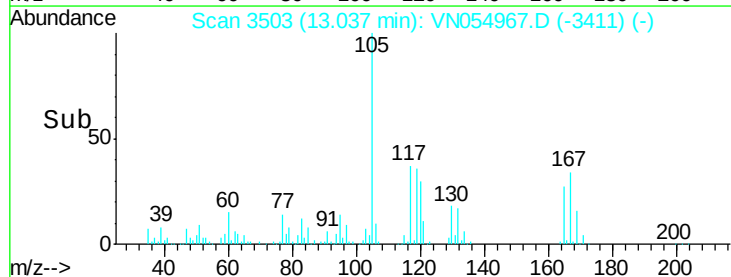
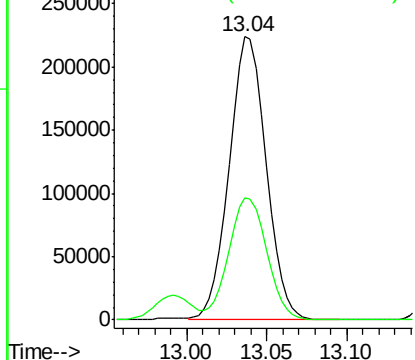


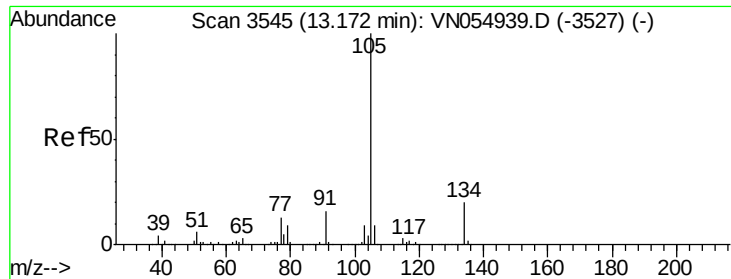
#84
 1,2,4-Trimethylbenzene
 Concen: 20.892 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion:105 Resp: 352915
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.384 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

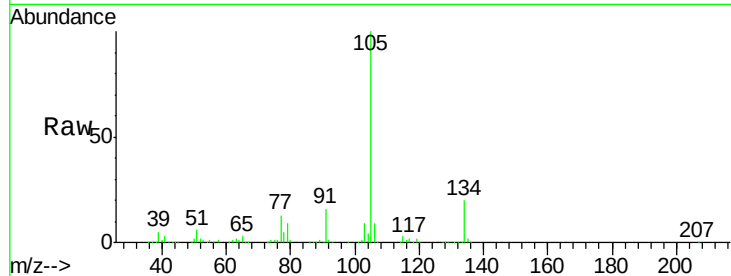
ClientSampled :

Tot Ion:105 Resp: 391592

Ion Ratio Lower Upper

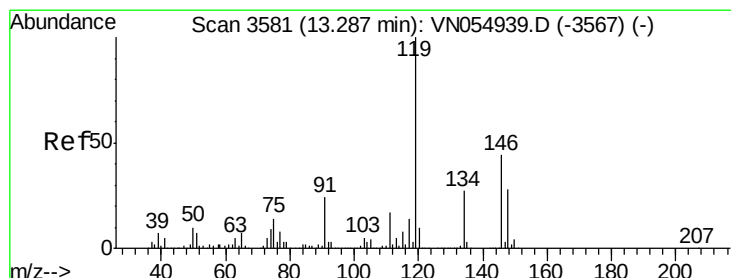
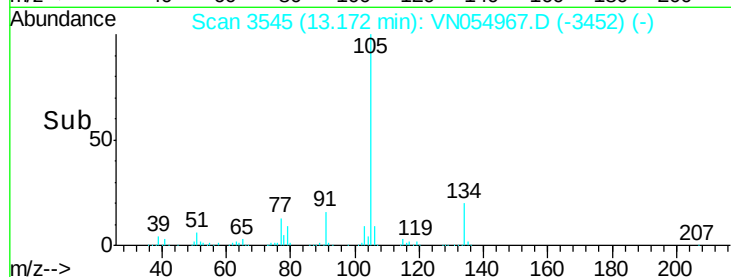
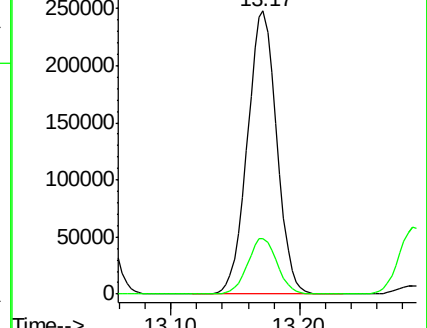
105 100

134 19.9 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.502 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

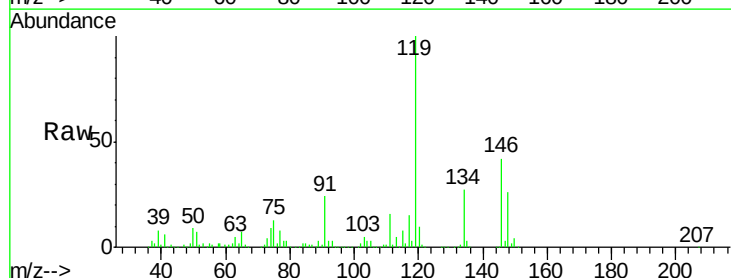
Tgt Ion:119 Resp: 339365

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

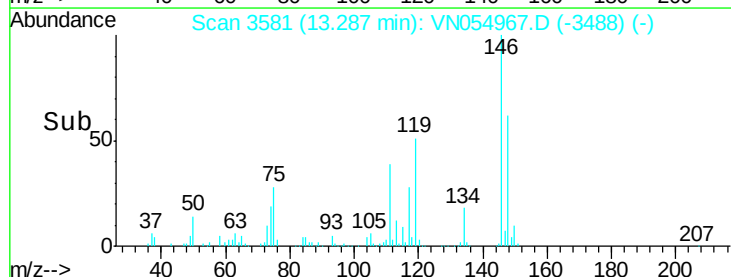
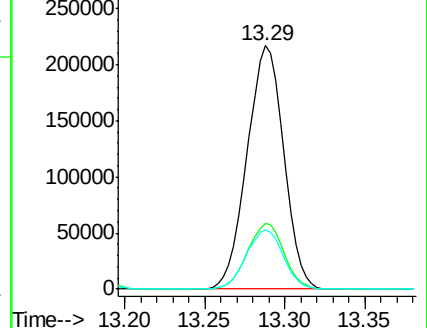
91 24.6 11.9 35.7

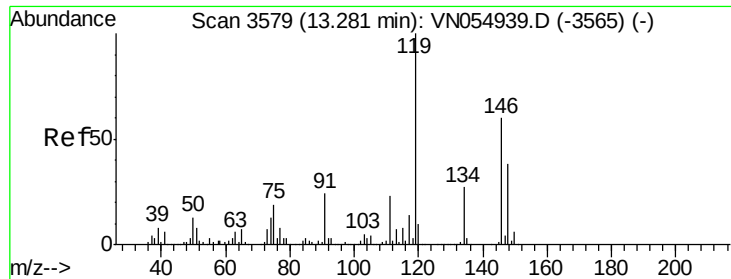


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

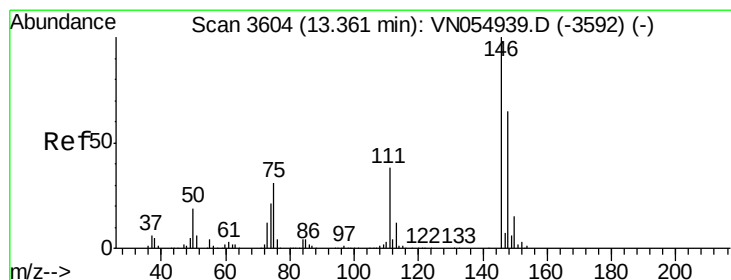
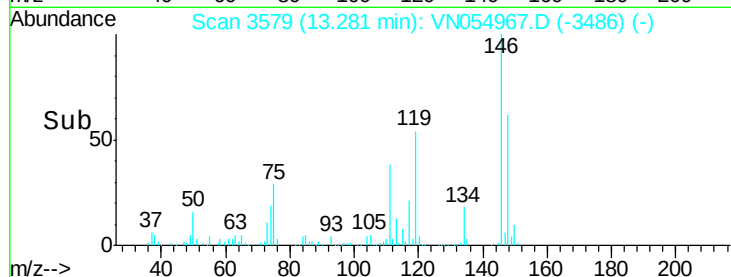
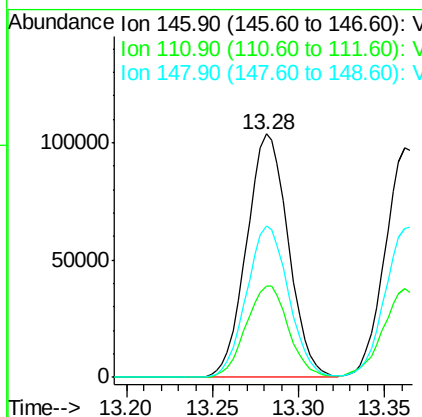
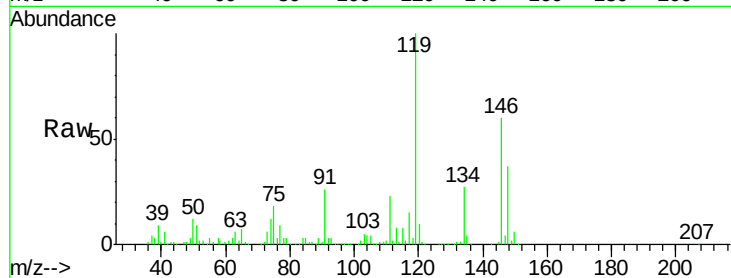




#87
 1,3-Dichlorobenzene
 Concen: 20.374 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

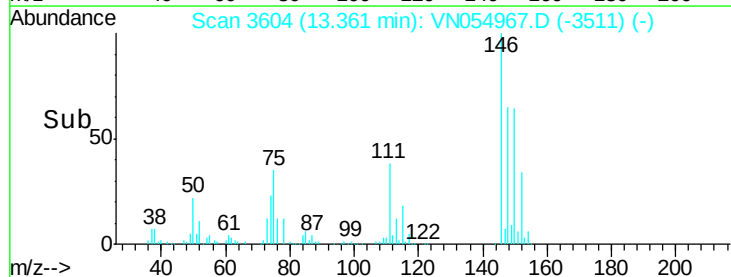
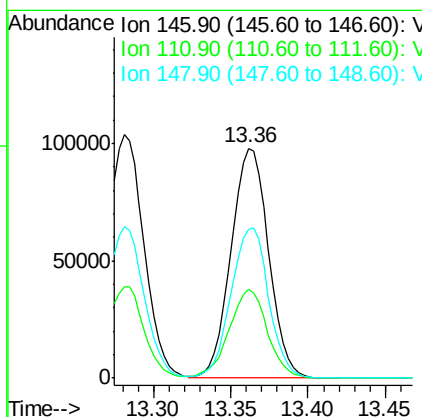
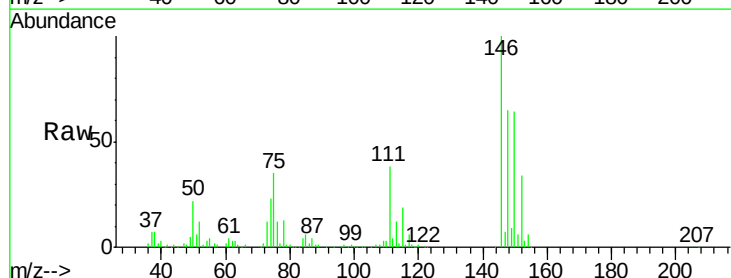
Instrument :
 MSVOA_N
 ClientSampled :

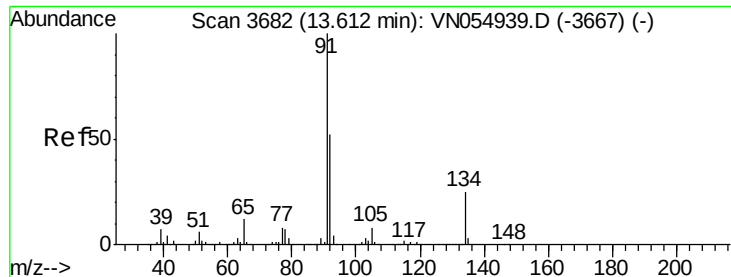
Tot Ion:146 Resp: 174485
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.6 58.7
 148 62.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion:146 Resp: 165061
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.2 57.6
 148 65.7 31.9 95.7





#89

n-Butylbenzene

Concen: 20.316 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

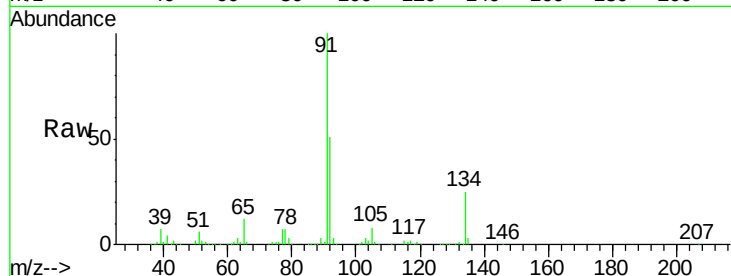
Tot Ion: 91 Resp: 268746

Ion Ratio Lower Upper

91 100

92 50.2 26.1 78.2

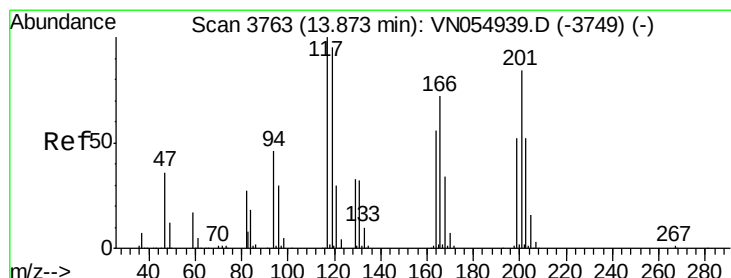
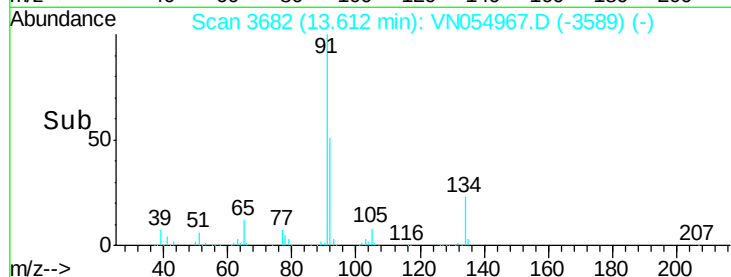
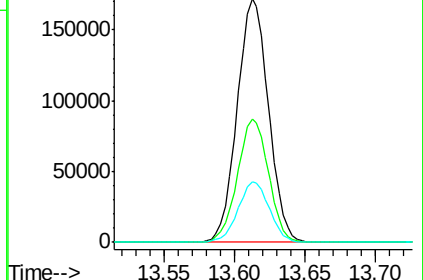
134 24.8 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN054967.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN054967.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN054967.D (-3670) (-)



#90

Hexachloroethane

Concen: 20.288 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054967.D

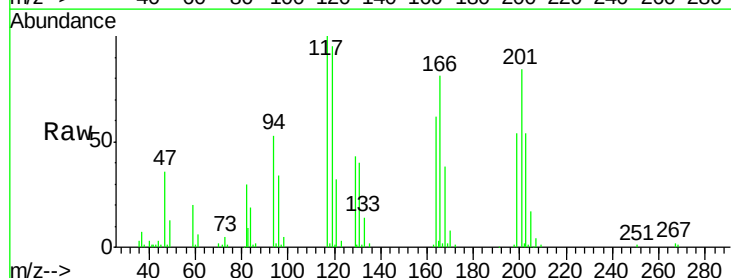
Acq: 5 Apr 2019 11:46

Tgt Ion: 117 Resp: 56409

Ion Ratio Lower Upper

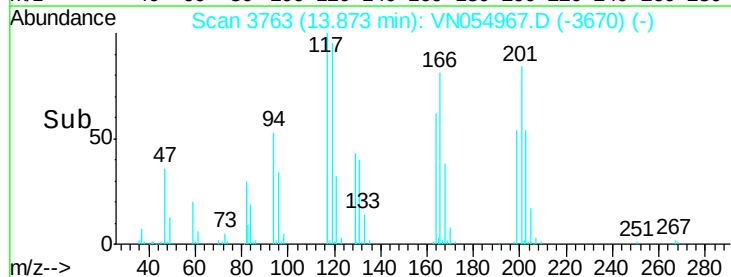
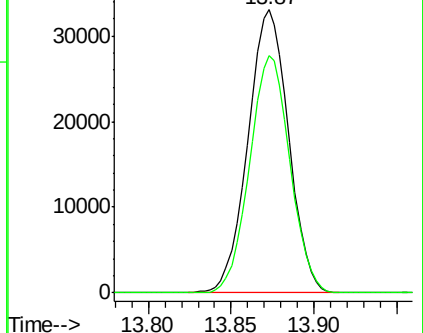
117 100

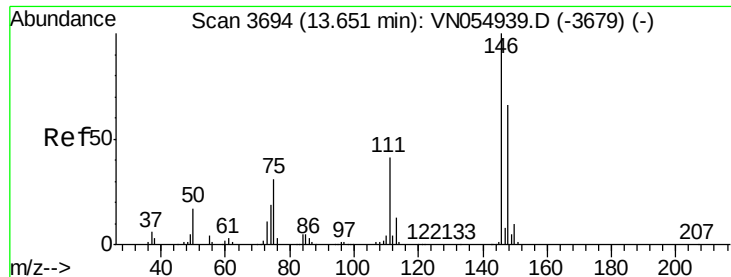
201 83.1 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VN054967.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054967.D (-3670) (-)

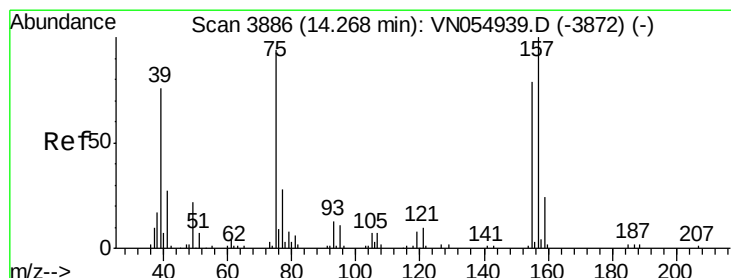
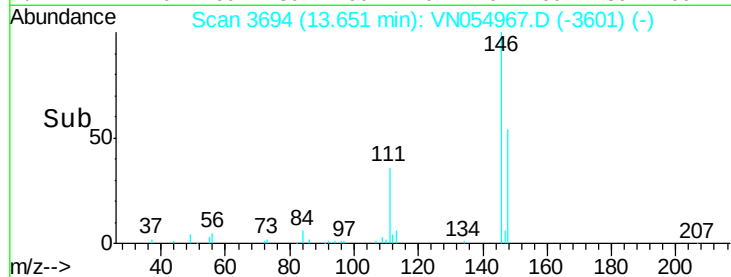
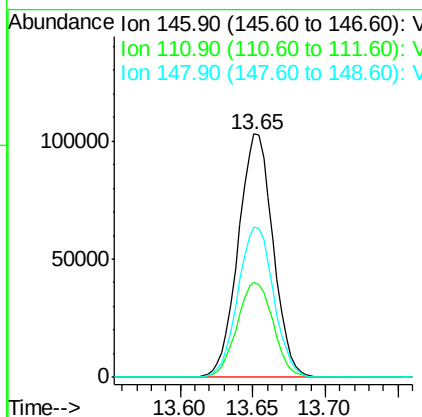
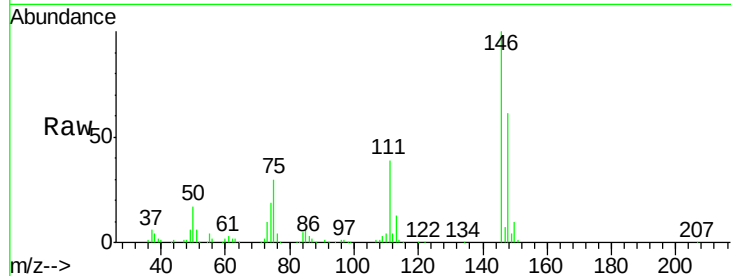




#91
 1,2-Dichlorobenzene
 Concen: 20.492 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

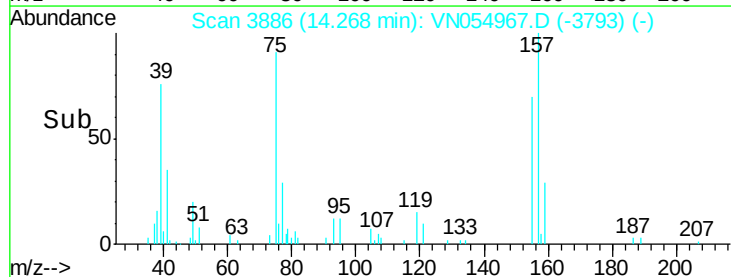
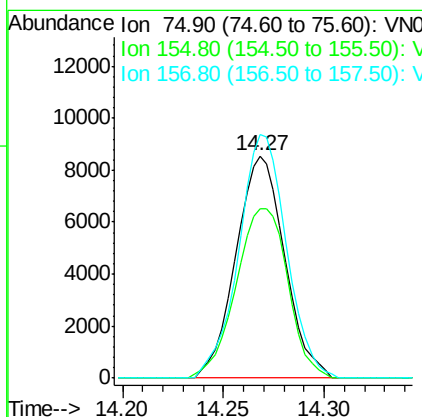
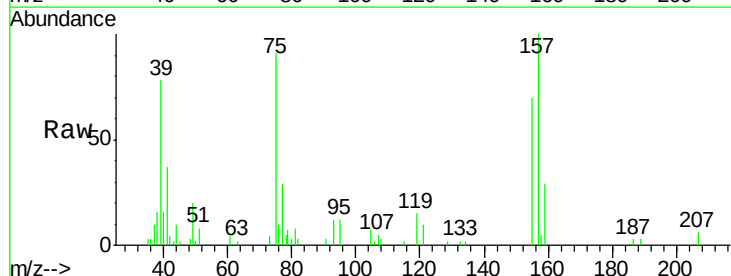
Instrument :
 MSVOA_N
 ClientSampled :

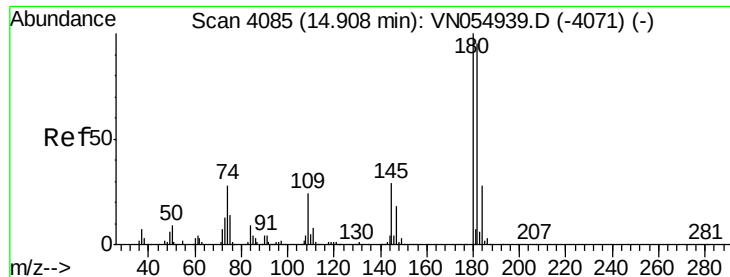
Tot Ion:146 Resp: 172310
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 63.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.876 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion: 75 Resp: 14464
 Ion Ratio Lower Upper
 75 100
 155 81.1 41.5 124.6
 157 107.4 54.4 163.2

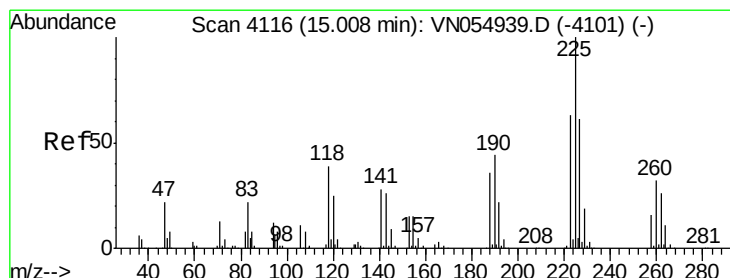
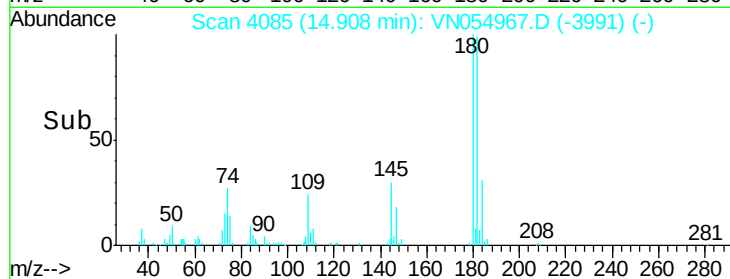
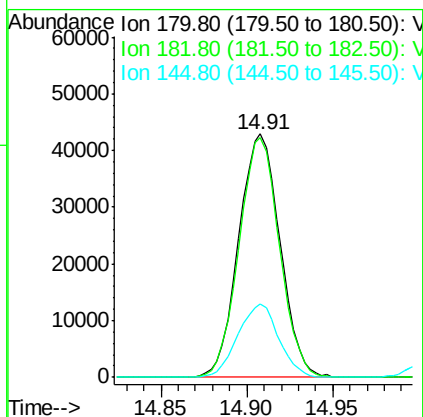
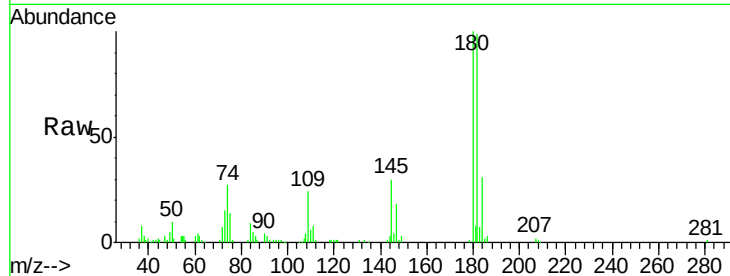




#93
 1,2,4-Trichlorobenzene
 Concen: 17.972 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

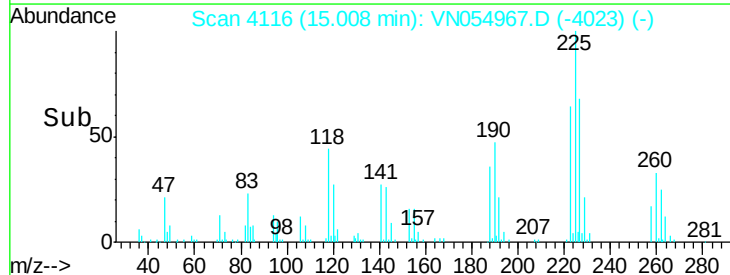
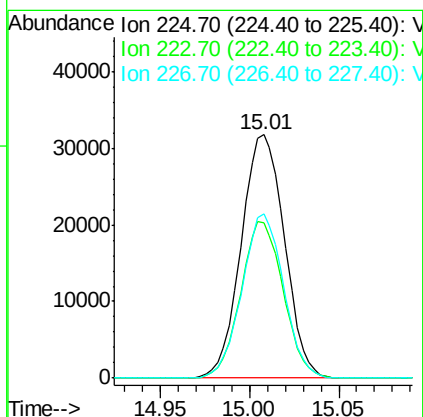
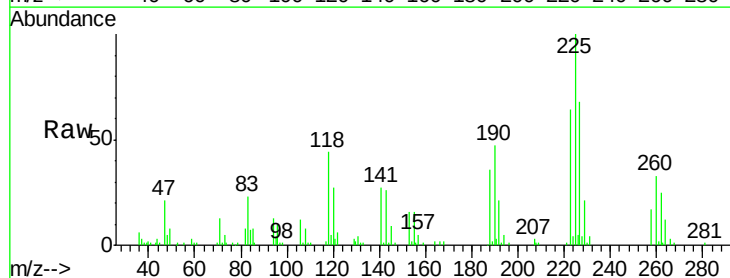
Instrument :
 MSVOA_N
 ClientSampleId :

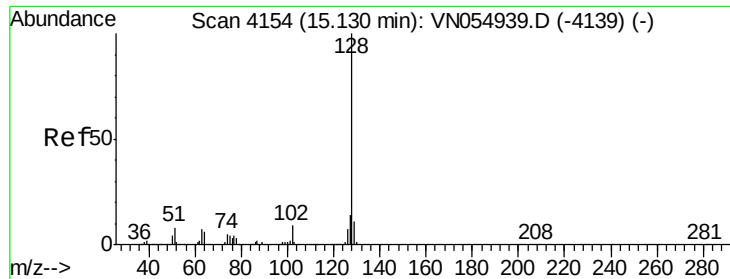
Tot Ion:180 Resp: 71674
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.5 142.6
 145 29.8 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 19.117 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054967.D
 Acq: 5 Apr 2019 11:46

Tgt Ion:225 Resp: 53778
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 64.8 30.9 92.5





#95

Naphthalene

Concen: 18.348 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

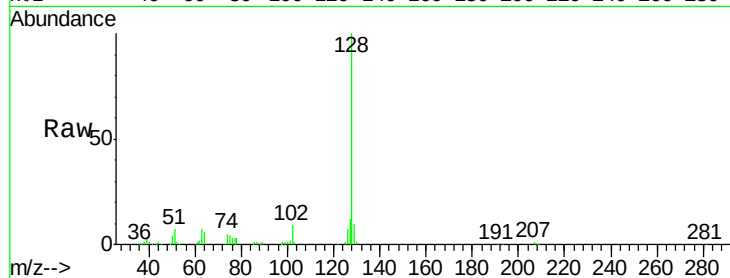
Tot Ion:128 Resp: 156435

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

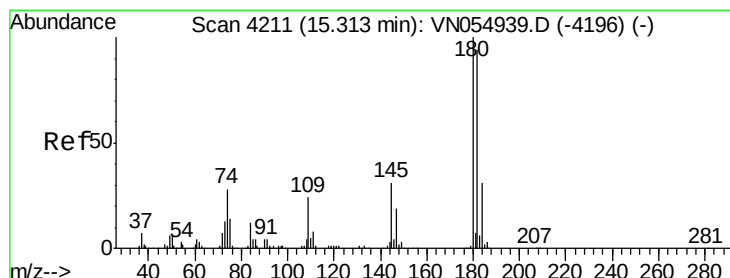
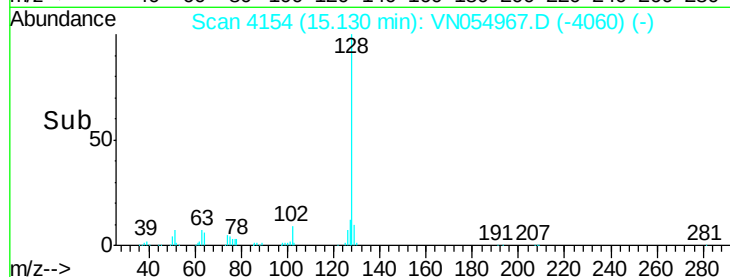
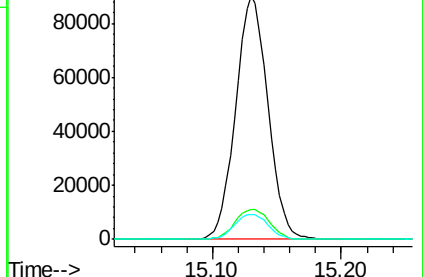
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.354 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054967.D

Acq: 5 Apr 2019 11:46

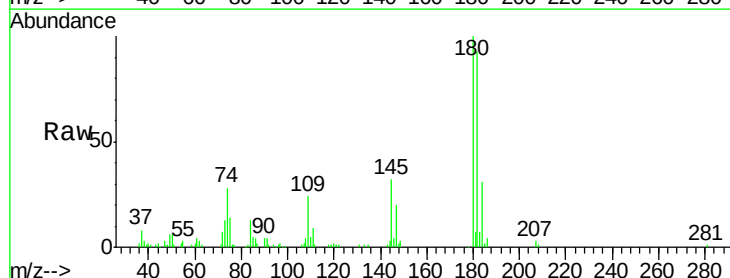
Tgt Ion:180 Resp: 74731

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.5

145 32.9 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

