

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049644.D
 Acq On : 30 Jun 2018 11:52
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:20:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1469662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2165725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1959271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1095007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	872070	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	7.59	113	761916	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.09	98	3034006	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	1058146	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	795712	48.04	ug/l	97
3) Chloromethane	2.06	50	895376	43.28	ug/l	100
4) Vinyl Chloride	2.18	62	1006924	45.32	ug/l	99
5) Bromomethane	2.56	94	487529	41.77	ug/l	98
6) Chloroethane	2.70	64	618930	44.01	ug/l	99
7) Trichlorofluoromethane	3.02	101	1145393	45.13	ug/l	100
8) Diethyl Ether	3.41	74	458814	44.60	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	857874	46.98	ug/l	99
10) Methyl Iodide	3.95	142	1145897	50.15	ug/l	99
11) Tert butyl alcohol	4.79	59	245830	220.73	ug/l	100
12) 1,1-Dichloroethene	3.73	96	763311	44.22	ug/l	100
13) Acrolein	3.60	56	242116	232.74	ug/l	99
14) Allyl chloride	4.32	41	1134116	47.83	ug/l	100
15) Acrylonitrile	4.99	53	1282898	223.03	ug/l	99
16) Acetone	3.82	43	875959	223.90	ug/l	99
17) Carbon Disulfide	4.05	76	2103174	44.23	ug/l	100
18) Methyl Acetate	4.33	43	761426	43.58	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	2084488	46.84	ug/l	98
20) Methylene Chloride	4.55	84	867934	43.43	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	805395	45.34	ug/l	98
22) Diisopropyl ether	5.95	45	2578231	48.06	ug/l	100
23) Vinyl Acetate	5.90	43	8220650	236.31	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1541443	45.61	ug/l	99
25) 2-Butanone	6.84	43	1418785	220.20	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1322461	47.12	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	932091	46.97	ug/l	100
28) Bromochloromethane	7.19	49	721817	50.32	ug/l	100
29) Tetrahydrofuran	7.21	42	927387	225.83	ug/l	99
30) Chloroform	7.37	83	1578526	45.82	ug/l	99
31) Cyclohexane	7.65	56	1372719	47.35	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1355647	46.48	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1193950	49.00	ug/l	100
37) Ethyl Acetate	6.93	43	658975	46.37	ug/l	99
38) Carbon Tetrachloride	7.77	117	1160356	48.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1338593	50.11	ug/l	100
40) Benzene	8.04	78	3546031	47.66	ug/l	99
41) Methacrylonitrile	7.17	41	362129	45.20	ug/l	99
42) 1,2-Dichloroethane	8.12	62	1086295	45.75	ug/l	100
43) Isopropyl Acetate	8.17	43	1255431	44.43	ug/l	98
44) Trichloroethene	8.83	130	1021499	45.53	ug/l	99
45) 1,2-Dichloropropane	9.12	63	936705	48.73	ug/l	100
46) Dibromomethane	9.21	93	540693	46.50	ug/l	98
47) Bromodichloromethane	9.40	83	1192713	48.18	ug/l	99
48) Methyl methacrylate	9.20	41	606205	48.00	ug/l	99
49) 1,4-Dioxane	9.20	88	157057	925.05	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3238717	232.44	ug/l	100
52) Toluene	10.16	92	2196075	48.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1166431	49.21	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1381333	49.86	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	773380	46.21	ug/l	99
56) Ethyl methacrylate	10.43	69	983098	50.11	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1293558	47.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2209586	217.58	ug/l	100
59) 2-Hexanone	10.75	43	2223587	241.33	ug/l	100
60) Dibromochloromethane	10.90	129	882783	48.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	748376	46.67	ug/l	99
64) Tetrachloroethene	10.63	164	1182704	44.58	ug/l	99
65) Chlorobenzene	11.44	112	2412527	47.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	884870	48.18	ug/l	99
67) Ethyl Benzene	11.51	91	4214730	49.89	ug/l	100
68) m/p-Xylenes	11.62	106	3292493	101.69	ug/l	100
69) o-Xylene	11.95	106	1579427	50.95	ug/l	98
70) Styrene	11.97	104	2608389	52.00	ug/l	100
71) Bromoform	12.13	173	597334	48.95	ug/l #	99
73) Isopropylbenzene	12.25	105	4209893	48.27	ug/l	100
74) N-amyl acetate	12.07	43	1076350	45.18	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	849247	46.79	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1136058	64.69	ug/l #	100
77) Bromobenzene	12.53	156	1056251	44.53	ug/l	99
78) n-propylbenzene	12.59	91	4942561	49.44	ug/l	99
79) 2-Chlorotoluene	12.68	91	2910463	46.00	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3582761	49.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	240065	46.43	ug/l	99
82) 4-Chlorotoluene	12.77	91	2978609	46.82	ug/l	99
83) tert-Butylbenzene	12.99	119	3020019	48.50	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3670130	49.28	ug/l	100
85) sec-Butylbenzene	13.17	105	4140424	50.19	ug/l	100
86) p-Isopropyltoluene	13.29	119	3683509	51.55	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1976167	49.19	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1930801	48.93	ug/l	99
89) n-Butylbenzene	13.62	91	3138367	51.30	ug/l	100
90) Hexachloroethane	13.88	117	455939	60.75	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1900625	49.26	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140658	46.18	ug/l	99

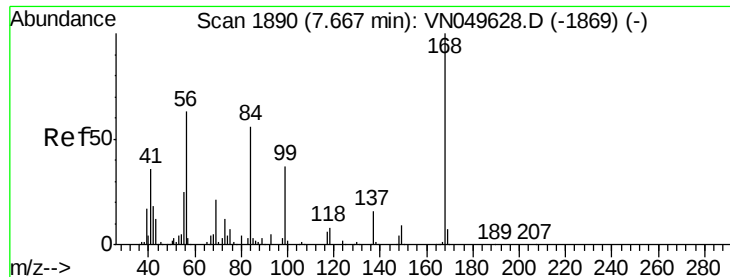
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	949824	47.22	ug/l	99
94) Hexachlorobutadiene	15.01	225	627544	54.14	ug/l	99
95) Naphthalene	15.14	128	1917873	43.68	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	905275	47.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

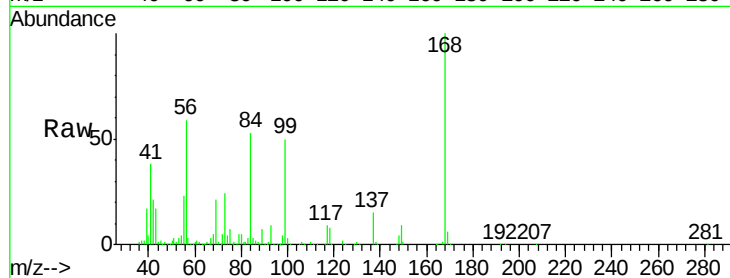
ClientSampled :

Tot Ion:168 Resp: 1469662

Ion Ratio Lower Upper

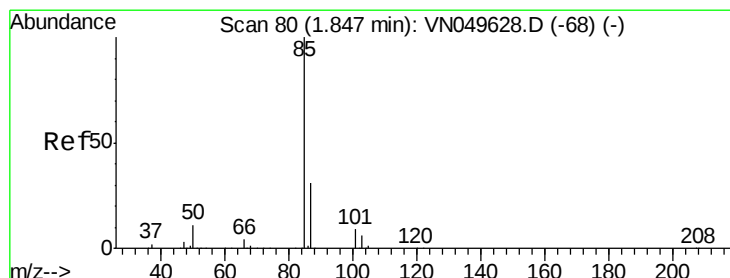
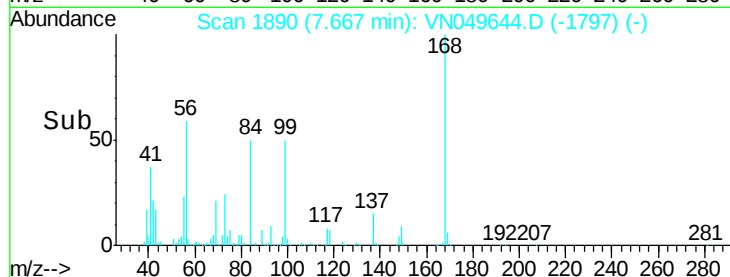
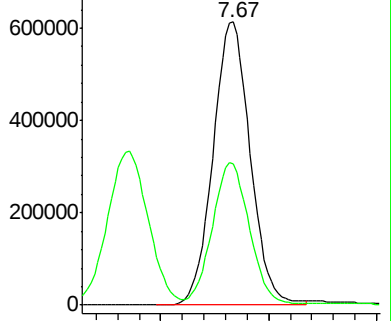
168 100

99 49.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.04 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049644.D

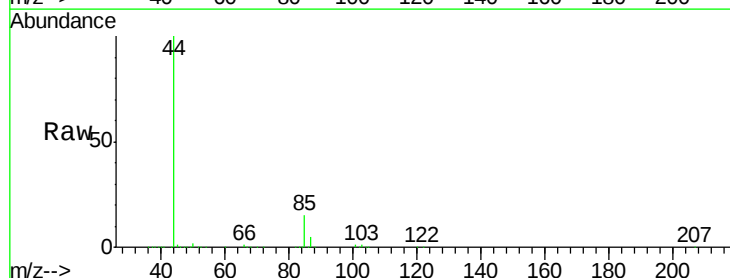
Acq: 30 Jun 2018 11:52

Tgt Ion: 85 Resp: 795712

Ion Ratio Lower Upper

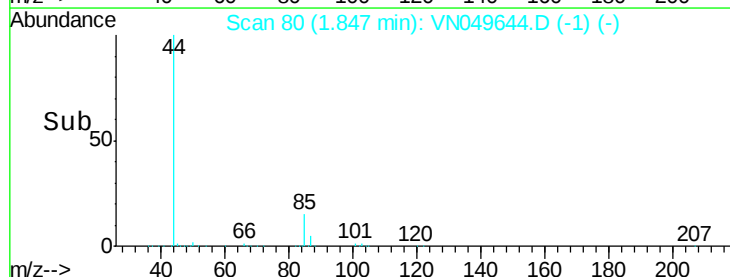
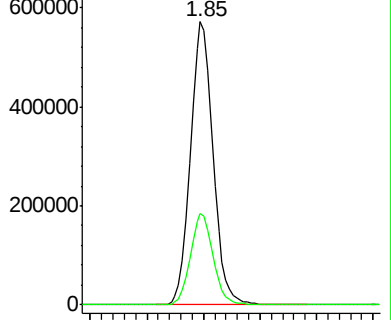
85 100

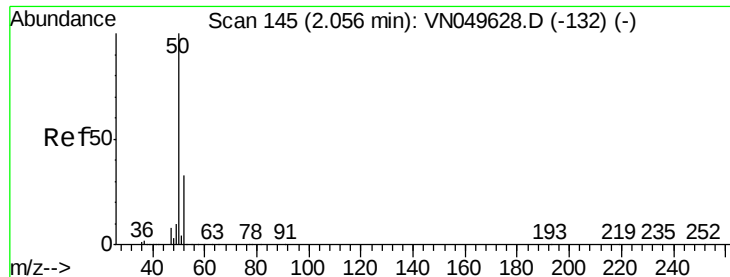
87 32.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

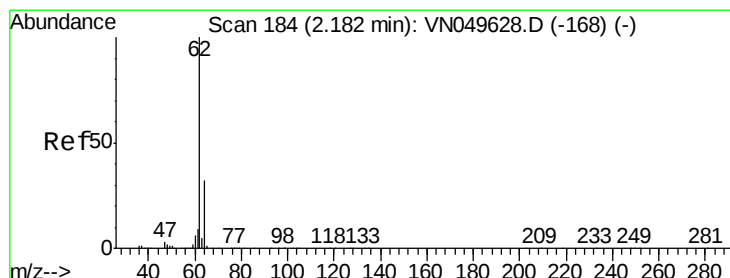
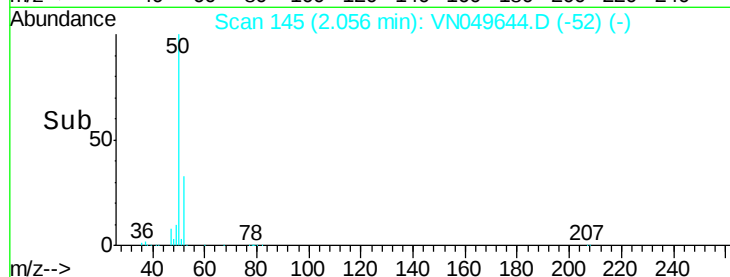
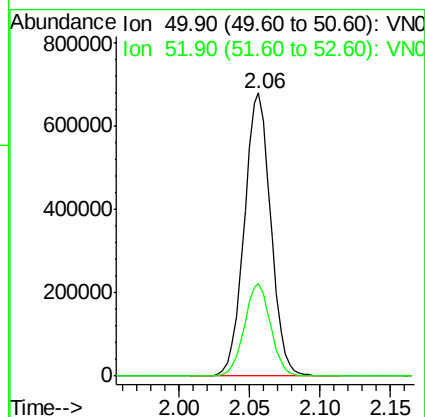
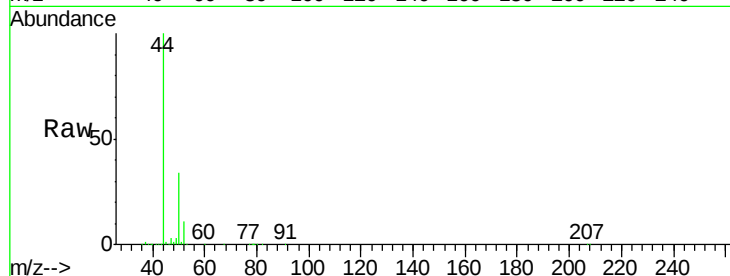
ClientSampleId :

Tot Ion: 50 Resp: 895376

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 45.32 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049644.D

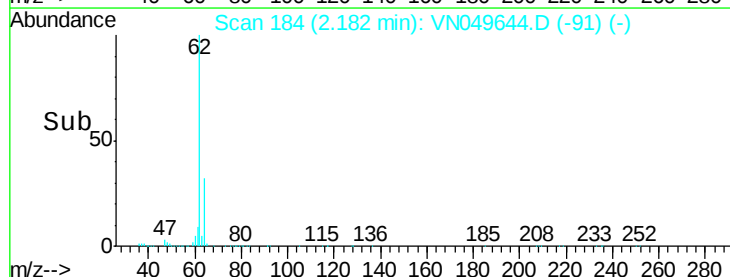
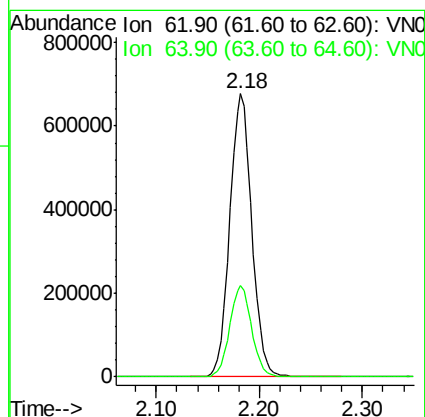
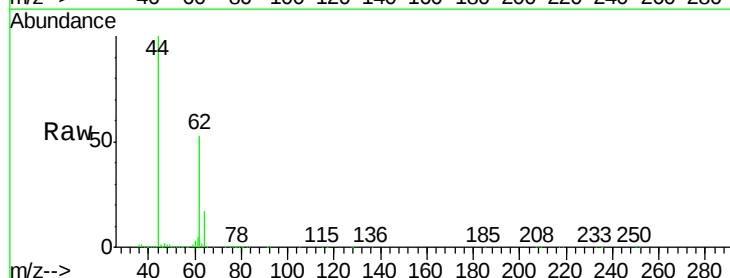
Acq: 30 Jun 2018 11:52

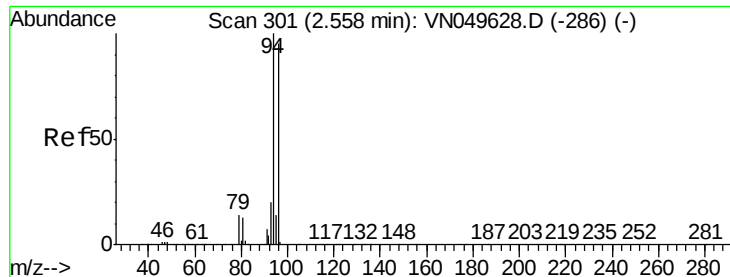
Tgt Ion: 62 Resp: 1006924

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 41.77 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

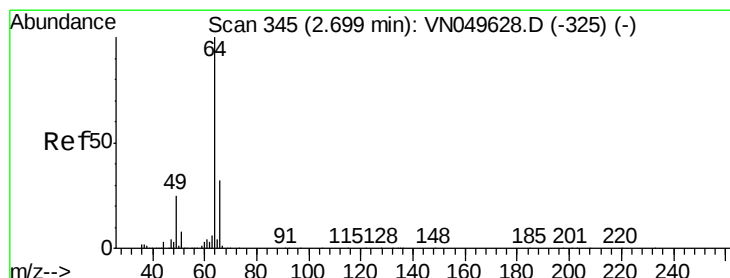
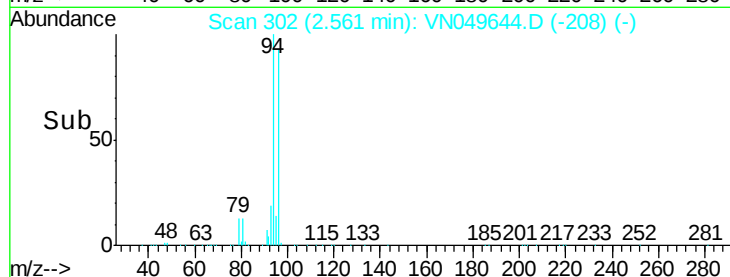
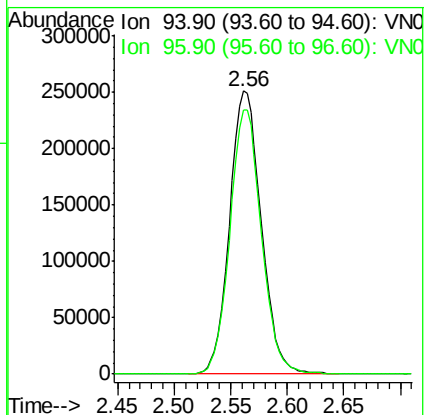
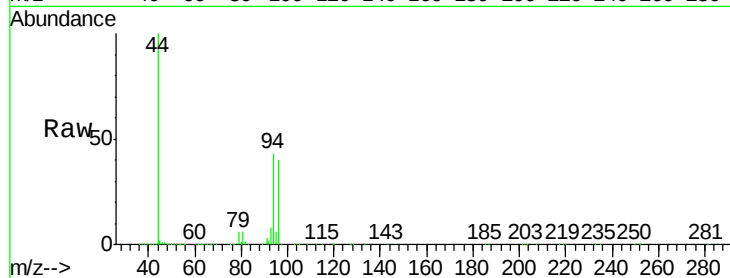
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 487529

Ion Ratio Lower Upper

94 100

96 93.1 75.7 113.5



#6

Chloroethane

Concen: 44.01 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049644.D

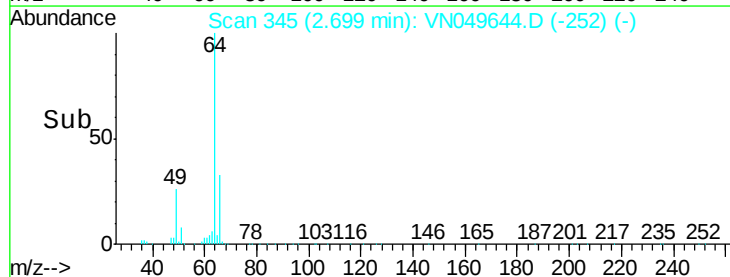
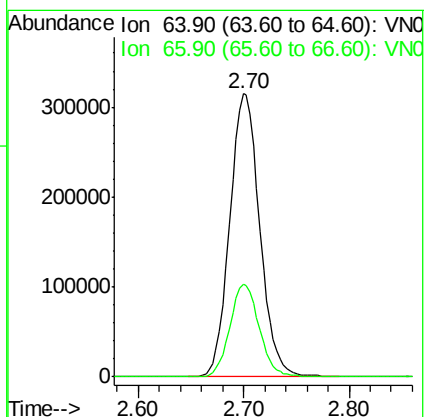
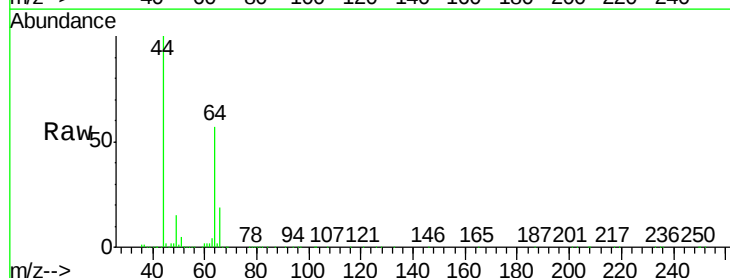
Acq: 30 Jun 2018 11:52

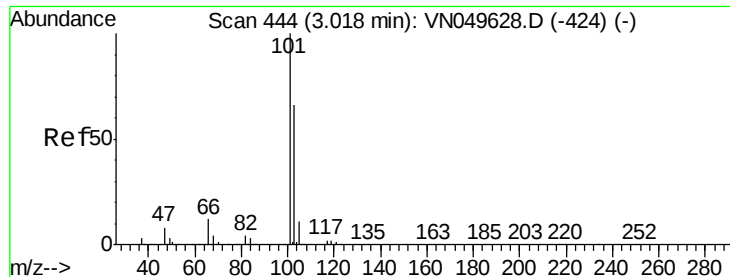
Tgt Ion: 64 Resp: 618930

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



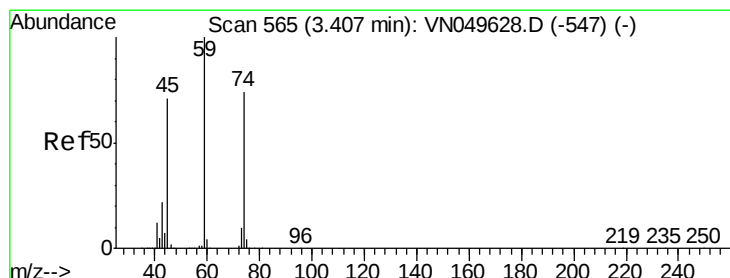
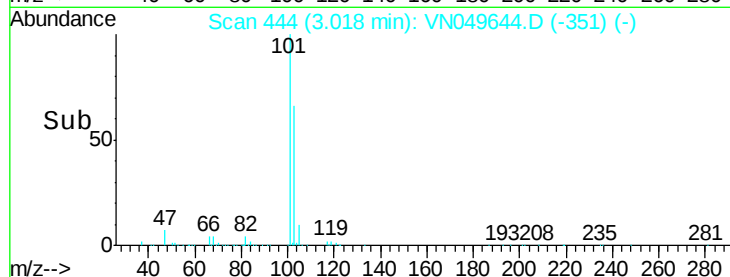
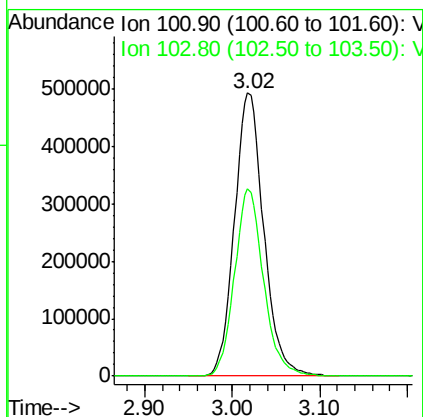
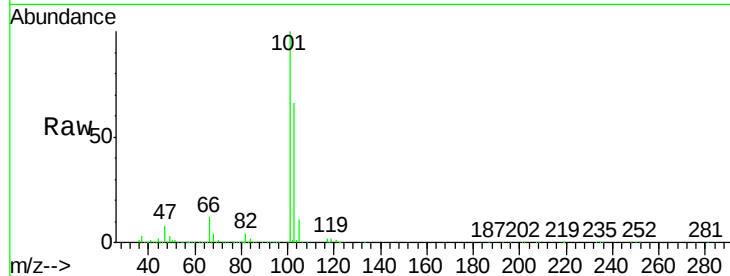


#7

Trichlorofluoromethane
Concen: 45.13 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Instrument :
MSVOA_N
ClientSampled :

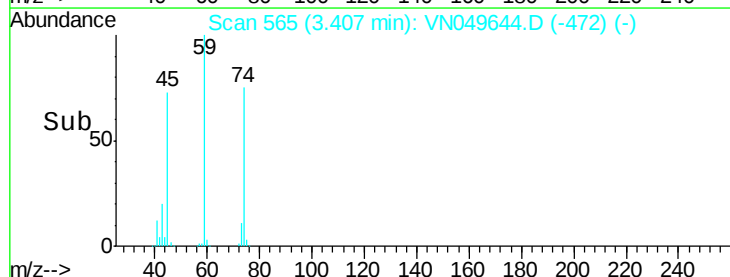
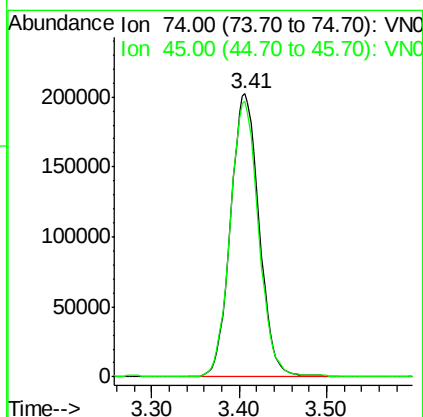
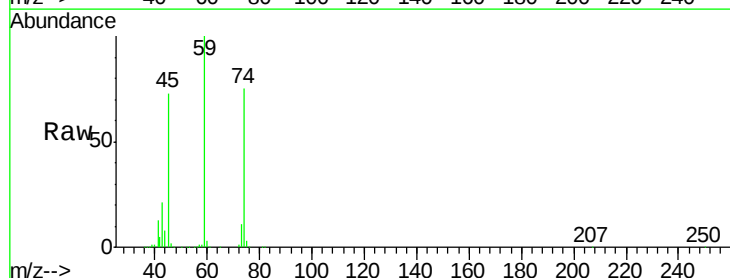
Tot Ion:101 Resp: 1145393
Ion Ratio Lower Upper
101 100
103 66.2 52.8 79.2

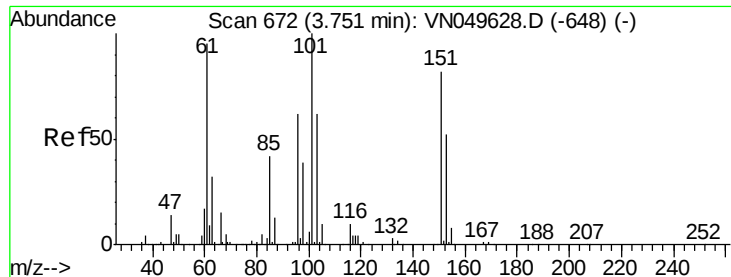


#8

Diethyl Ether
Concen: 44.60 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 74 Resp: 458814
Ion Ratio Lower Upper
74 100
45 96.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.98 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

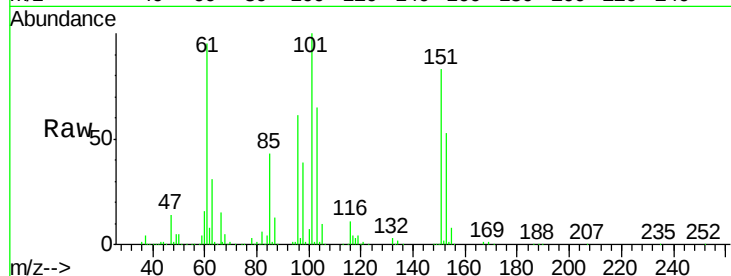
Tot Ion:101 Resp: 857874

Ion Ratio Lower Upper

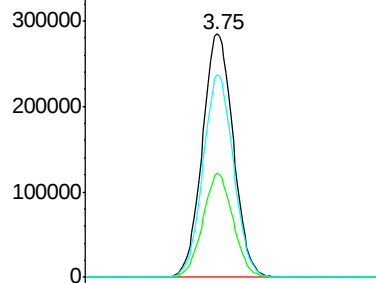
101 100

85 41.8 34.4 51.6

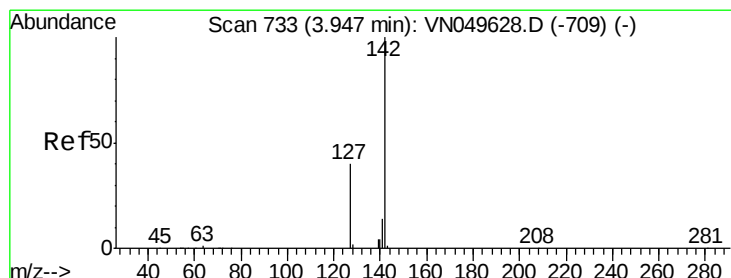
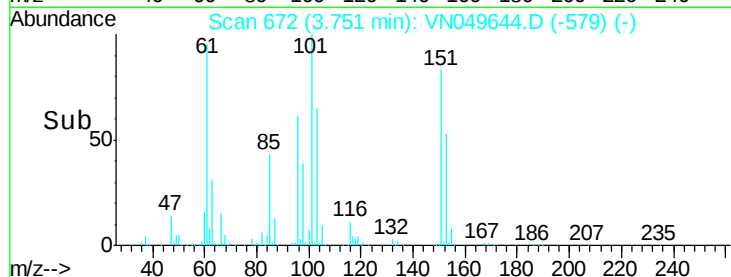
151 82.3 66.2 99.4



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



Time-->



#10

Methyl Iodide

Concen: 50.15 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

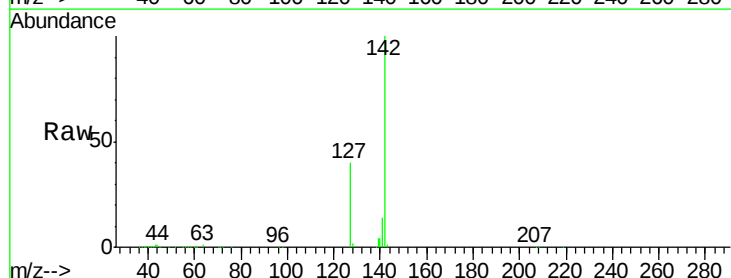
Tgt Ion:142 Resp: 1145897

Ion Ratio Lower Upper

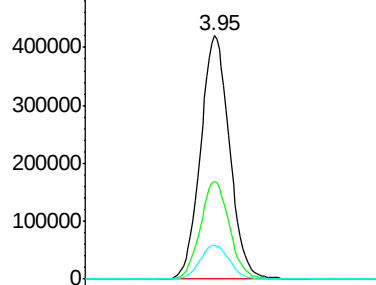
142 100

127 40.3 32.5 48.7

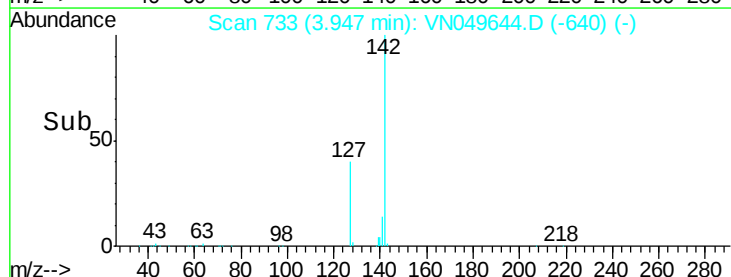
141 14.2 11.1 16.7

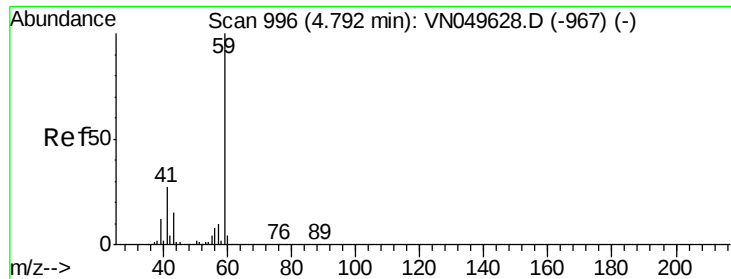


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



Time-->

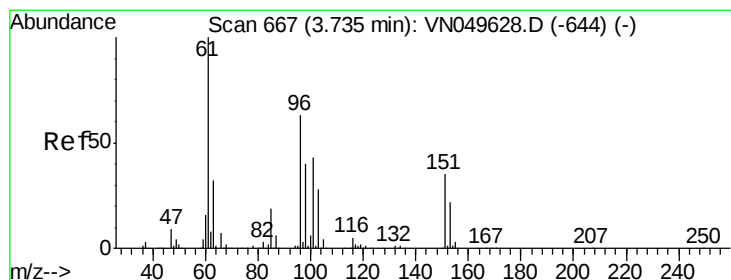
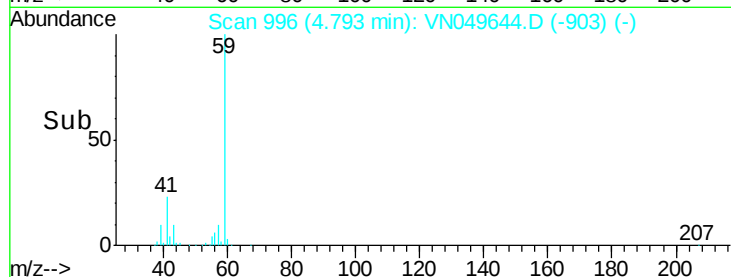
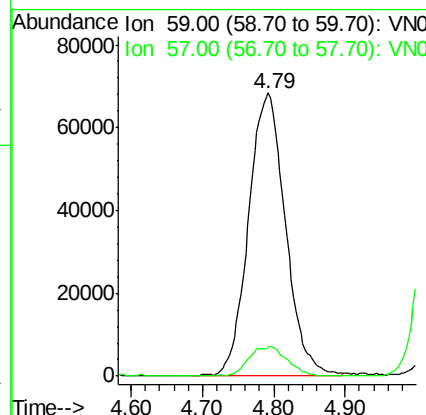
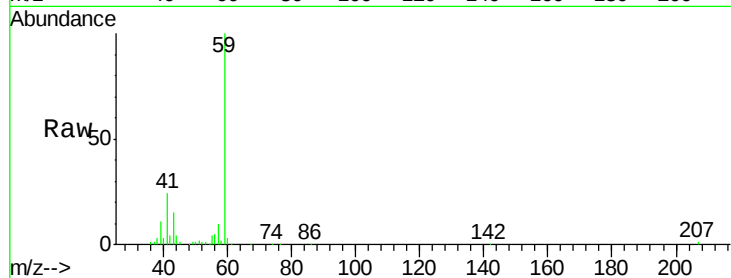




#11
Tert butyl alcohol
Concen: 220.73 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

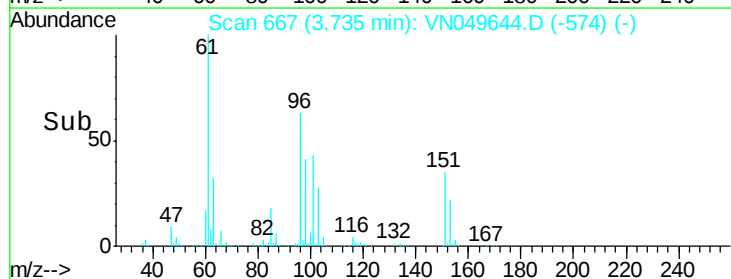
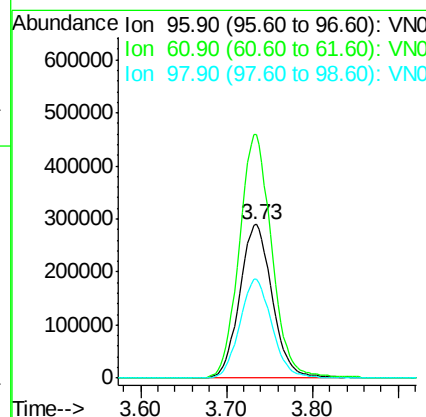
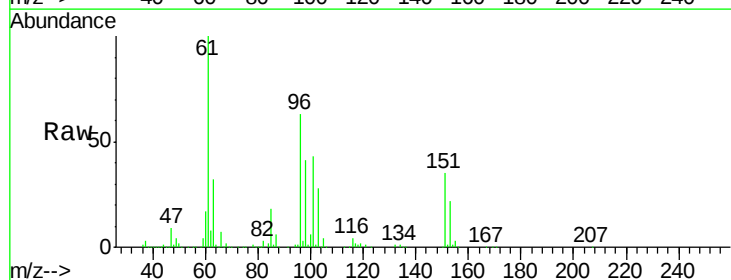
Instrument :
MSVOA_N
ClientSampleId :

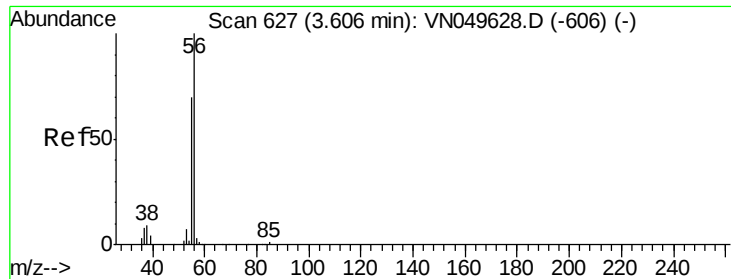
Tot Ion: 59 Resp: 245830
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 44.22 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 96 Resp: 763311
Ion Ratio Lower Upper
96 100
61 158.3 126.5 189.7
98 64.5 51.0 76.6





#13

Acrolein

Concen: 232.74 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

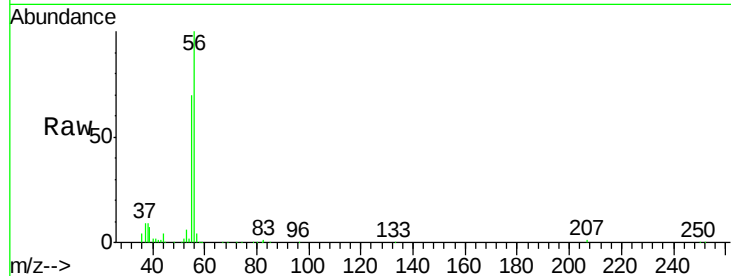
ClientSampled :

Tot Ion: 56 Resp: 242116

Ion Ratio Lower Upper

56 100

55 70.5 55.8 83.8

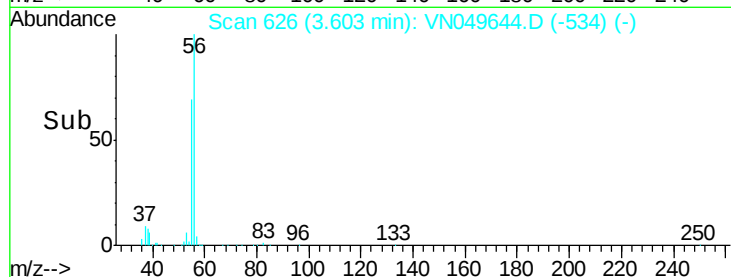


Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)

3.60

Time-->

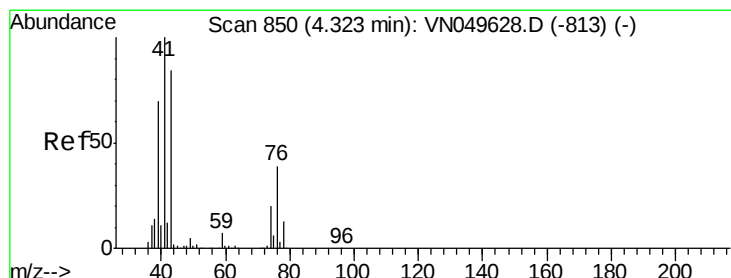


Abundance Ion 56.00 (55.70 to 56.70): VN049644.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049644.D (-534) (-)

3.60

Time-->



#14

Allyl chloride

Concen: 47.83 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

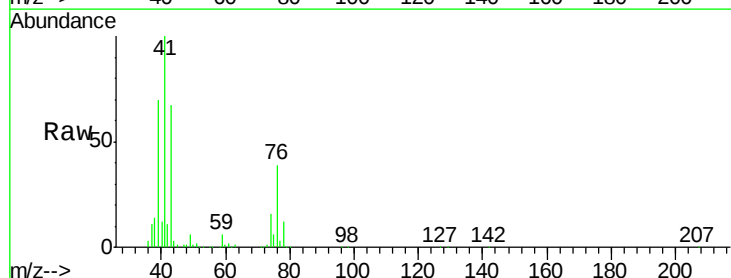
Tgt Ion: 41 Resp: 1134116

Ion Ratio Lower Upper

41 100

39 66.6 53.2 79.8

76 36.6 29.0 43.6



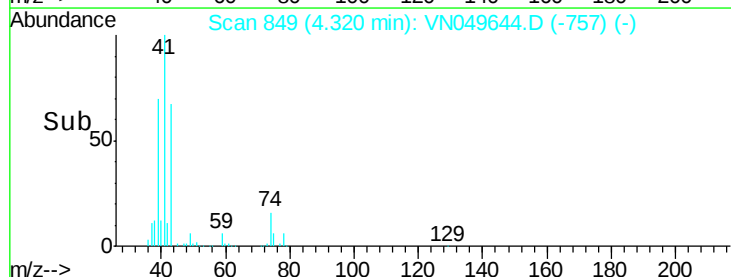
Abundance Ion 41.00 (40.70 to 41.70): VN049628.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VN049628.D (-813) (-)

Ion 75.90 (75.60 to 76.60): VN049628.D (-813) (-)

4.32

Time-->



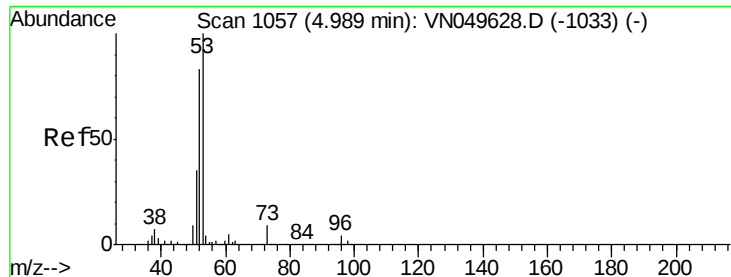
Abundance Ion 41.00 (40.70 to 41.70): VN049644.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049644.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049644.D (-757) (-)

4.32

Time-->



#15

Acrylonitrile

Concen: 223.03 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

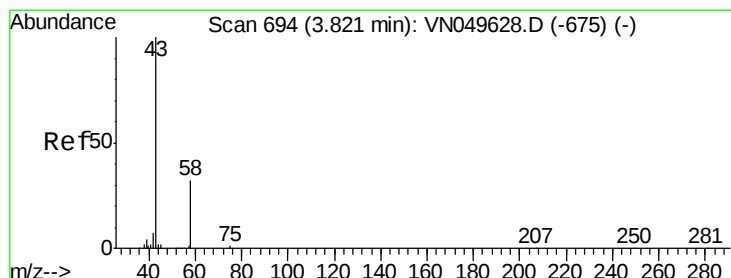
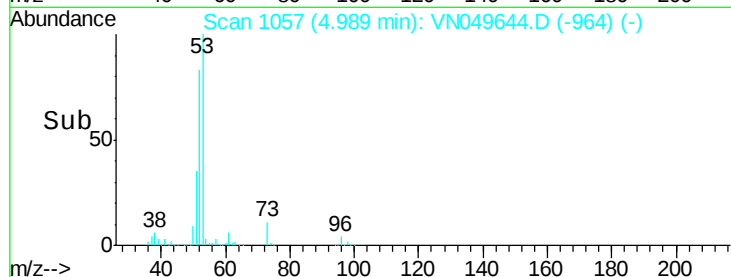
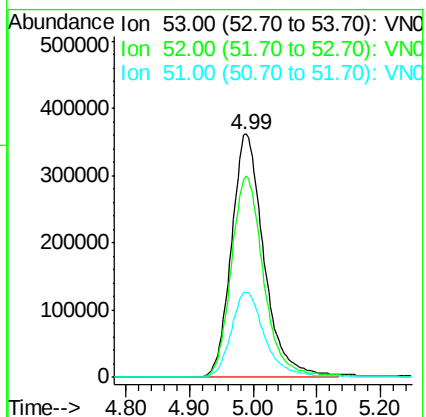
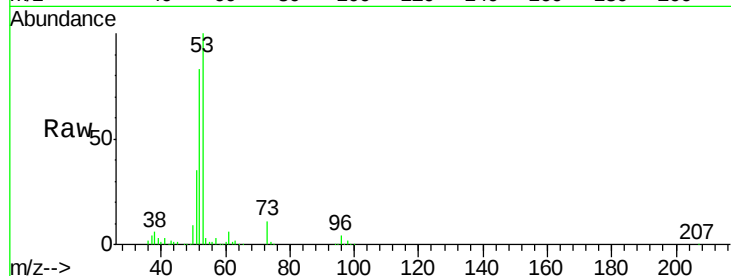
Tot Ion: 53 Resp: 1282898

Ion Ratio Lower Upper

53 100

52 82.0 64.8 97.2

51 36.3 28.9 43.3



#16

Acetone

Concen: 223.90 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049644.D

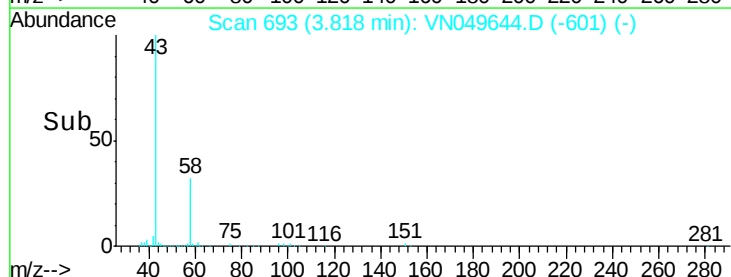
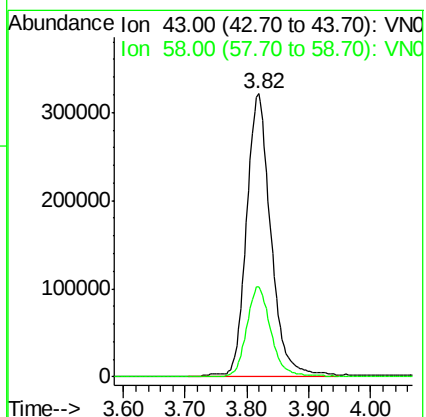
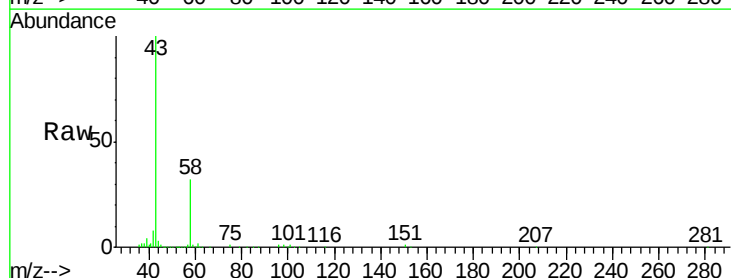
Acq: 30 Jun 2018 11:52

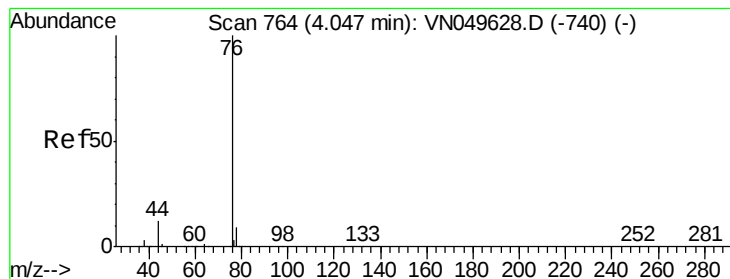
Tgt Ion: 43 Resp: 875959

Ion Ratio Lower Upper

43 100

58 31.8 25.9 38.9





#17

Carbon Disulfide

Concen: 44.23 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

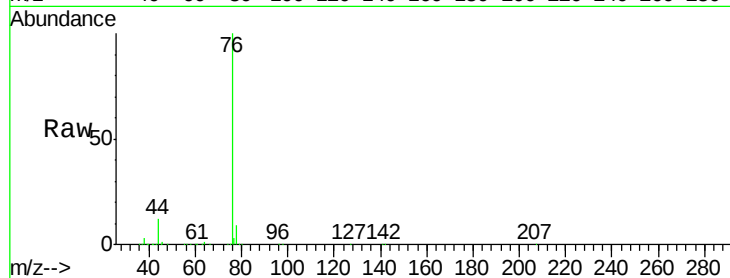
ClientSampleId :

Tot Ion: 76 Resp: 2103174

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

800000

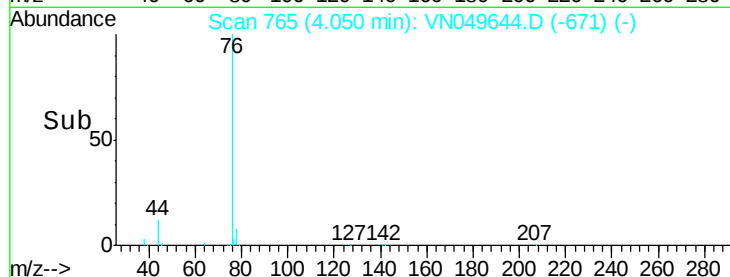
600000

400000

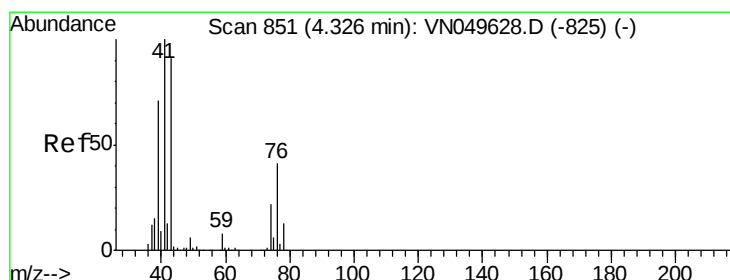
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 43.58 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049644.D

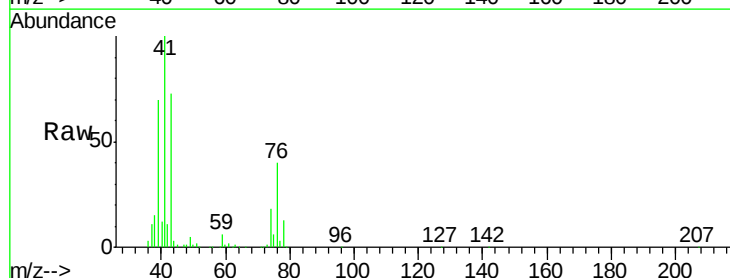
Acq: 30 Jun 2018 11:52

Tgt Ion: 43 Resp: 761426

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.33

300000

250000

200000

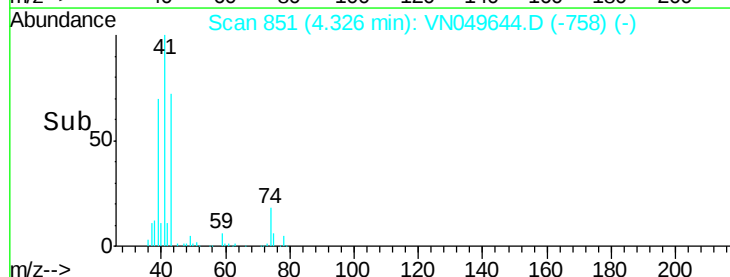
150000

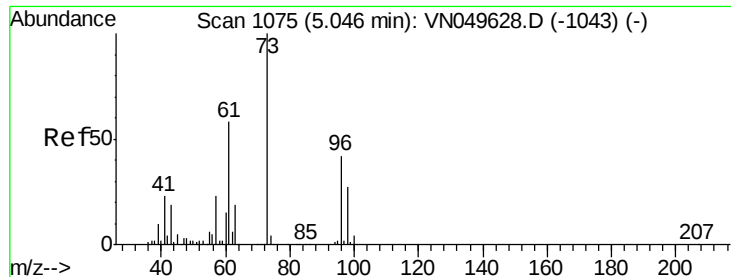
100000

50000

0

Time-->

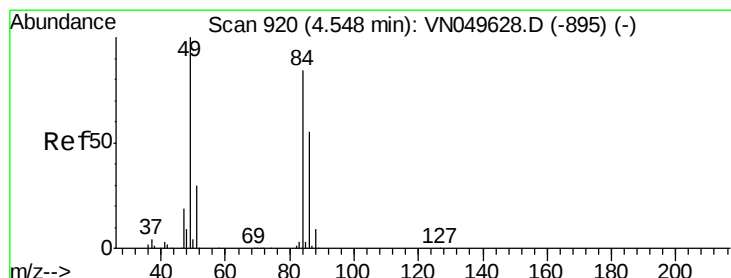
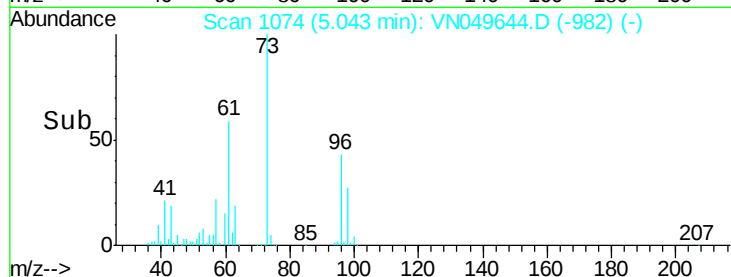
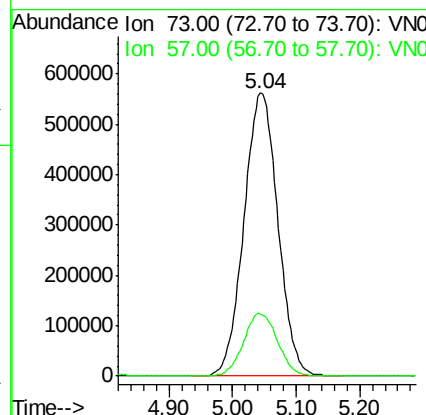
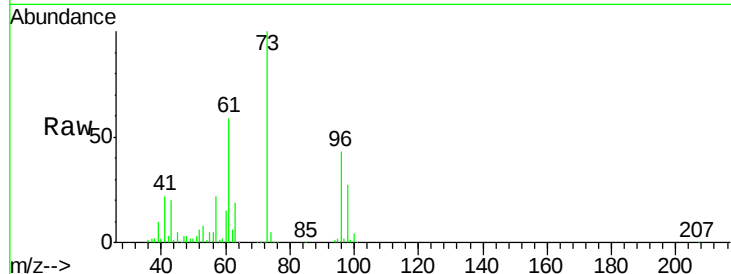




#19
Methyl tert-butyl Ether
Concen: 46.84 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

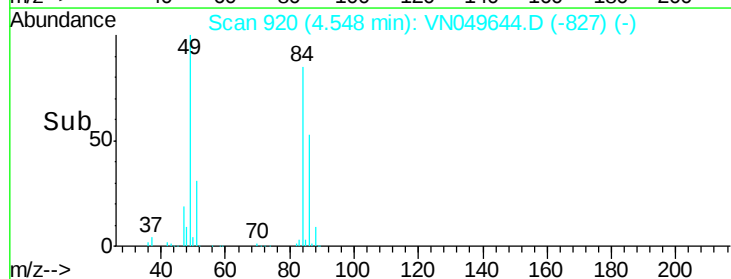
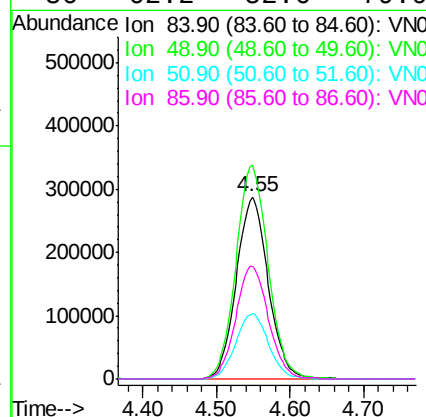
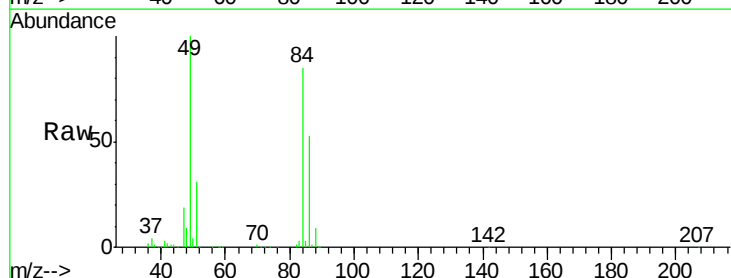
Instrument :
MSVOA_N
ClientSampled :

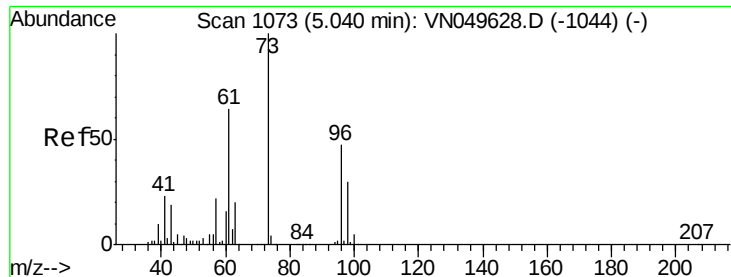
Tot Ion: 73 Resp: 2084488
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 43.43 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 84 Resp: 867934
Ion Ratio Lower Upper
84 100
49 117.3 95.4 143.2
51 35.9 28.4 42.6
86 62.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.34 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :
MSVOA_N
ClientSampled :

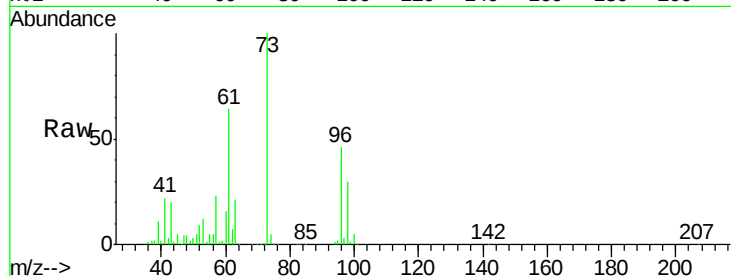
Tot Ion: 96 Resp: 805395

Ion Ratio Lower Upper

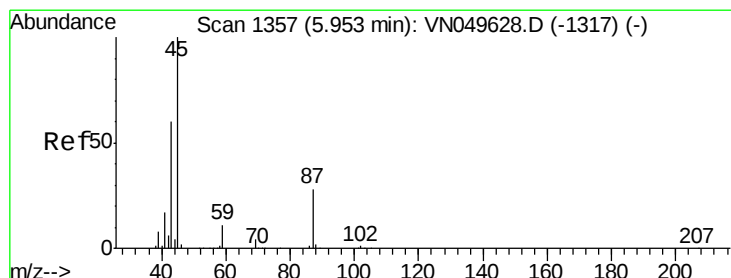
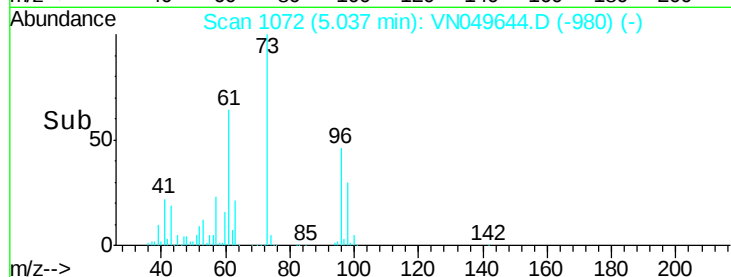
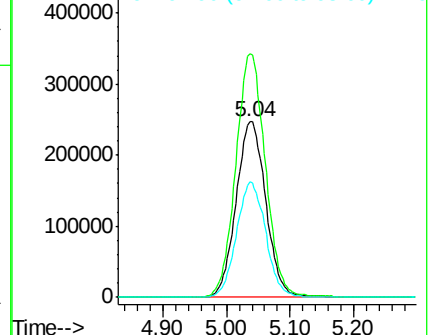
96 100

61 138.6 109.0 163.6

98 65.5 51.1 76.7



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: 48.06 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Tgt Ion: 45 Resp: 2578231

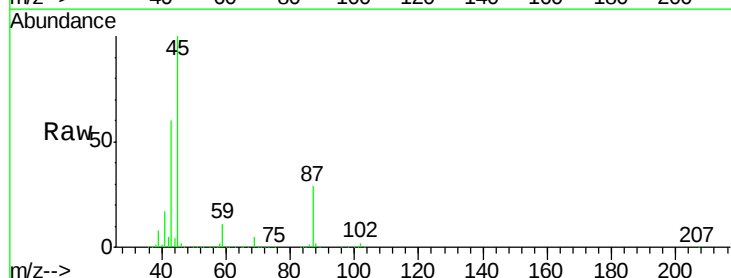
Ion Ratio Lower Upper

45 100

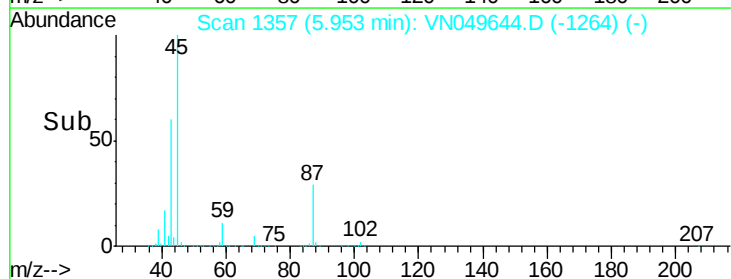
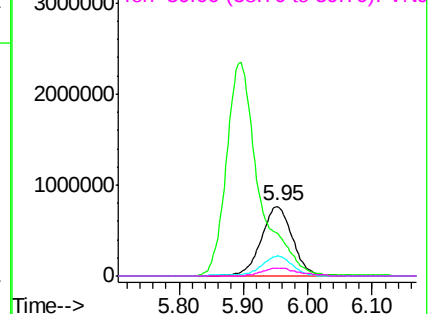
43 60.0 48.1 72.1

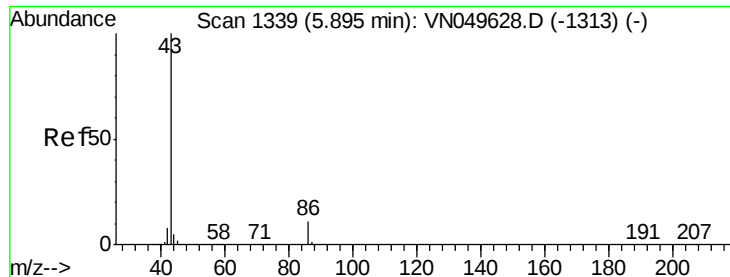
87 28.4 22.6 34.0

59 11.3 9.2 13.8



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: 236.31 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

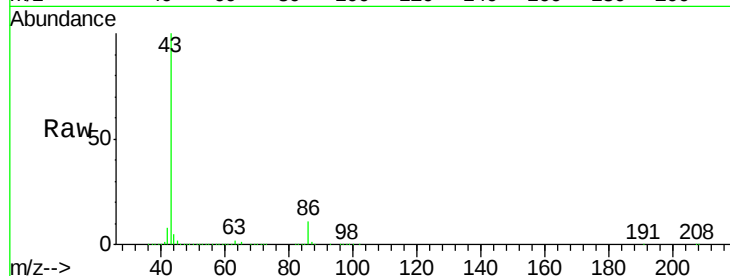
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 8220650

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049628.D (-1313) (-)

5.90

2500000

2000000

1500000

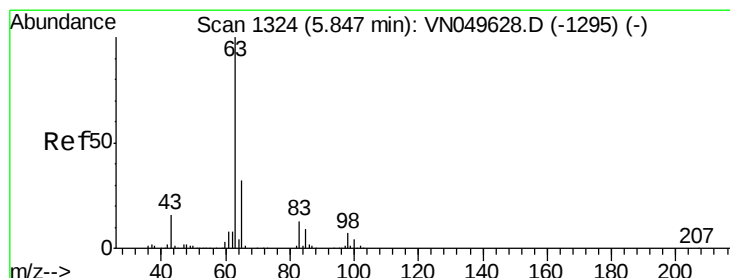
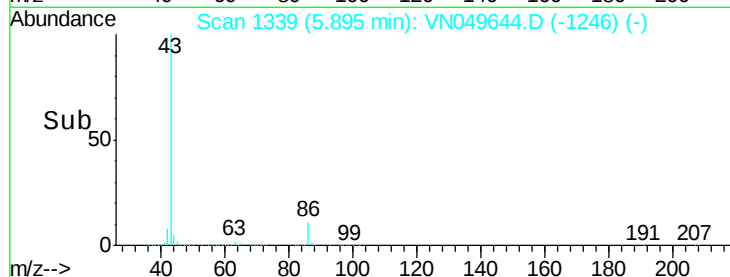
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 45.61 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

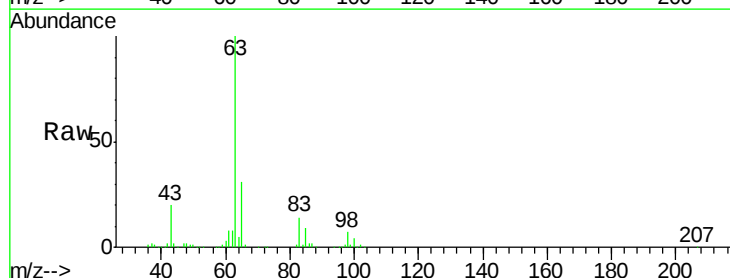
Tgt Ion: 63 Resp: 1541443

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049628.D (-1295) (-)

5.85

600000

500000

400000

300000

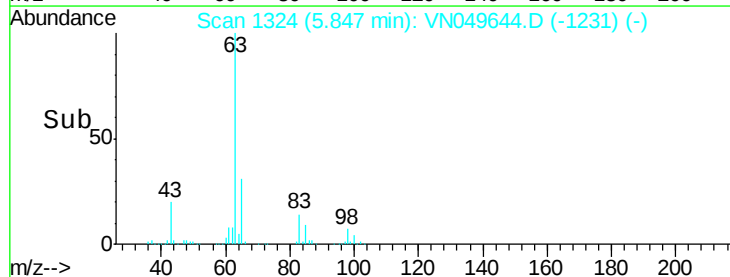
200000

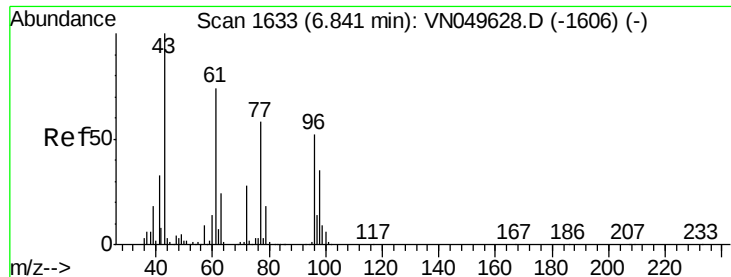
100000

0

5.70 5.80 5.90

Time-->

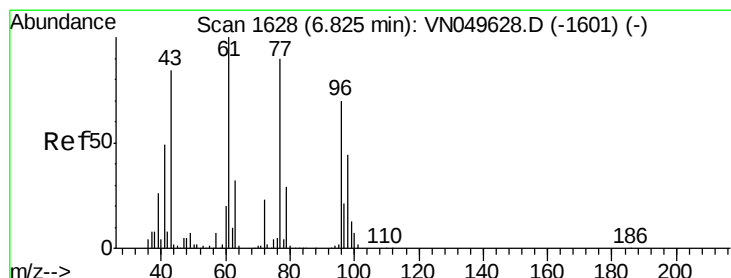
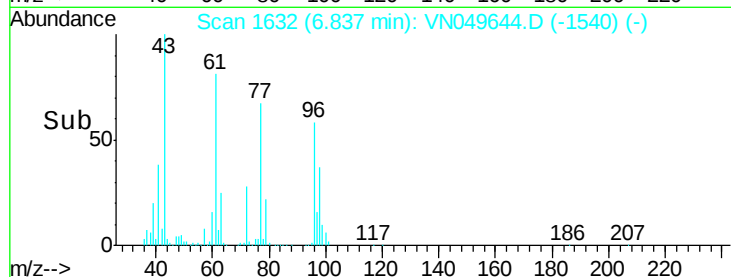
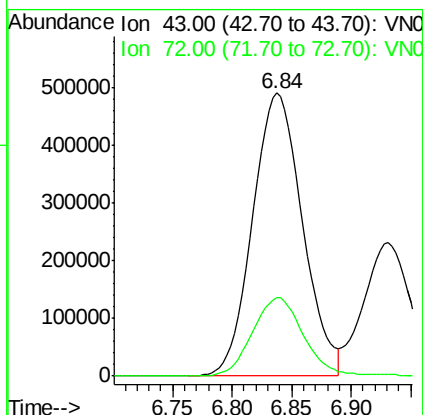
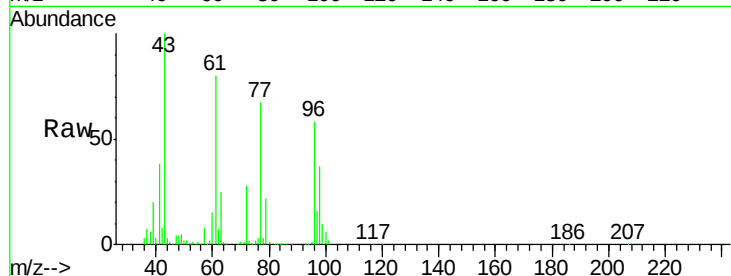




#25
2-Butanone
Concen: 220.20 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

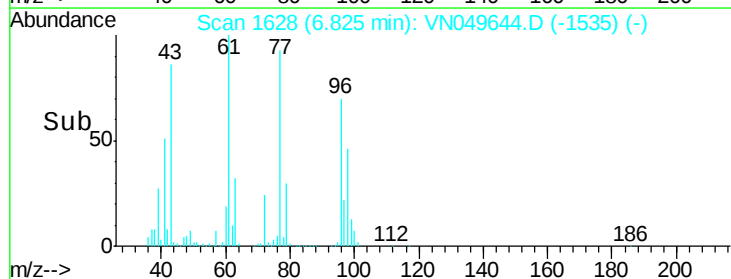
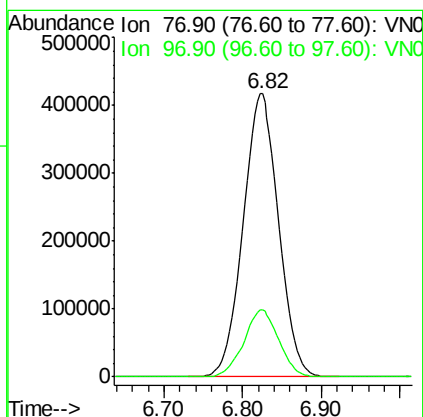
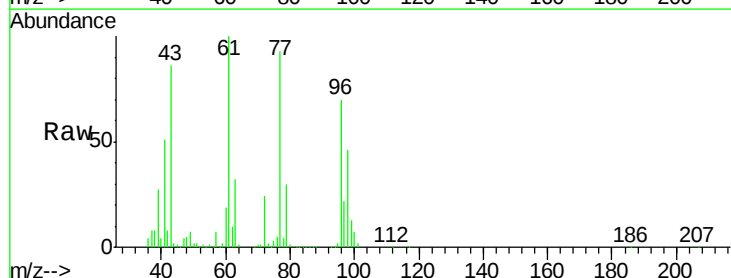
Instrument :
MSVOA_N
ClientSampled :

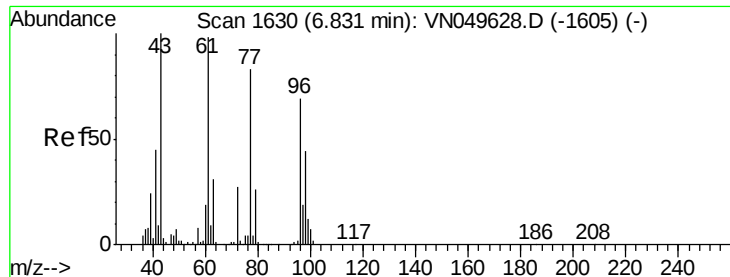
Tot Ion: 43 Resp: 1418785
Ion Ratio Lower Upper
43 100
72 27.7 22.1 33.1



#26
2,2-Dichloropropane
Concen: 47.12 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 77 Resp: 1322461
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.97 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :

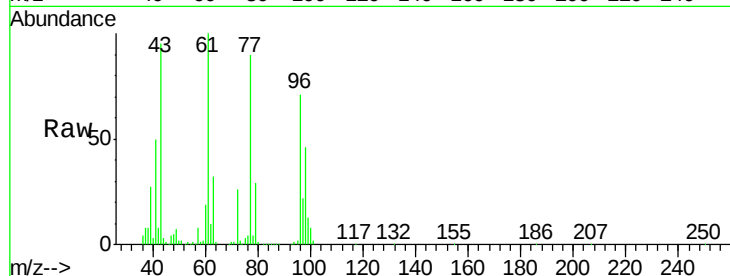
Tot Ion: 96 Resp: 932091

Ion Ratio Lower Upper

96 100

61 143.8 0.0 289.0

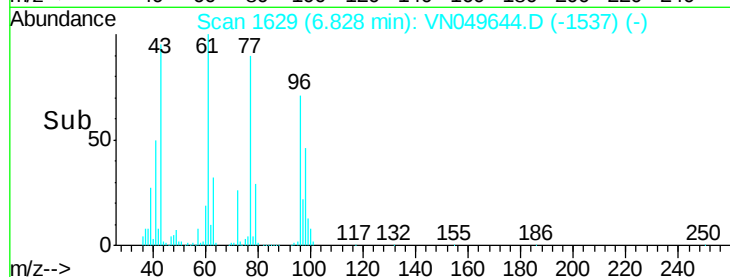
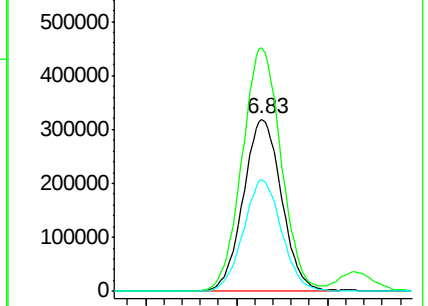
98 65.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-1605) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-1605) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1605) (-)



#28

Bromochloromethane

Concen: 50.32 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

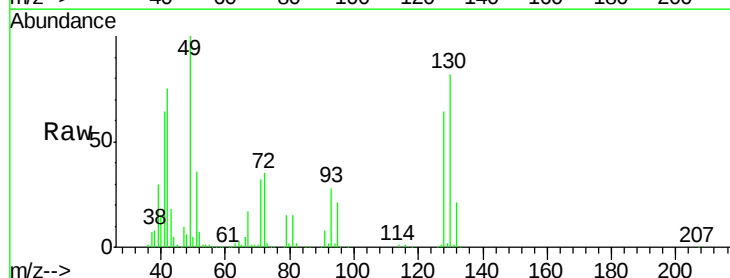
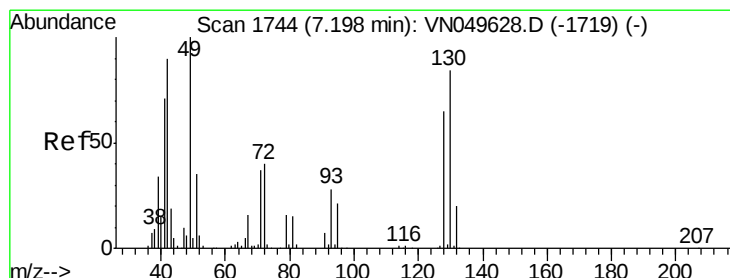
Tgt Ion: 49 Resp: 721817

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.2

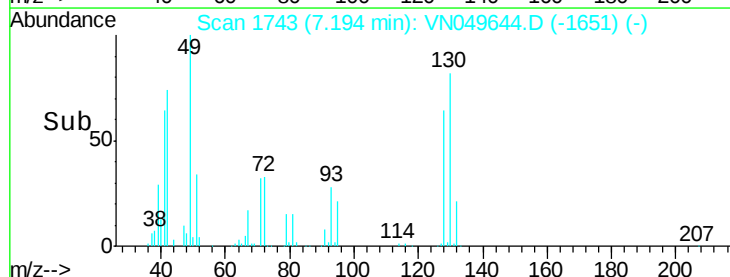
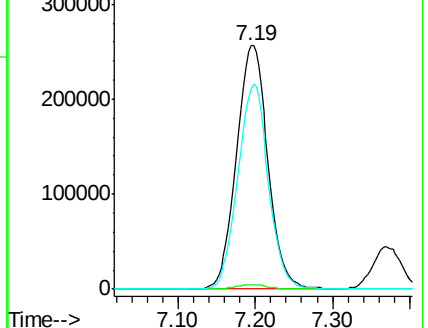
130 82.2 65.5 98.3

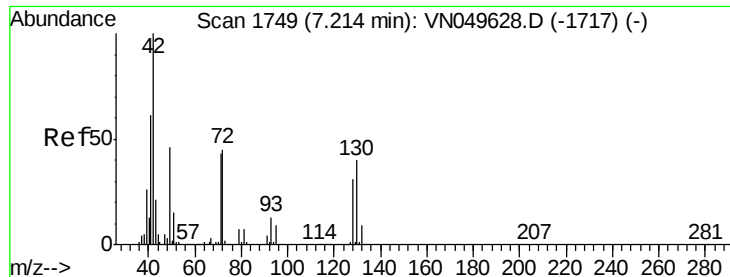


Abundance Ion 48.90 (48.60 to 49.60): VN049628.D (-1719) (-)

Ion 128.80 (128.50 to 129.50): VN049628.D (-1719) (-)

Ion 129.80 (129.50 to 130.50): VN049628.D (-1719) (-)





#29

Tetrahydrofuran

Concen: 225.83 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

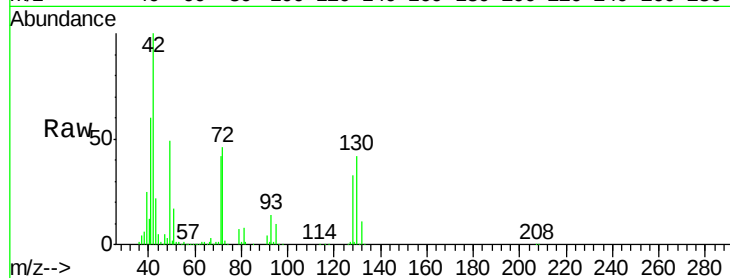
Tot Ion: 42 Resp: 927387

Ion Ratio Lower Upper

42 100

72 45.5 35.6 53.4

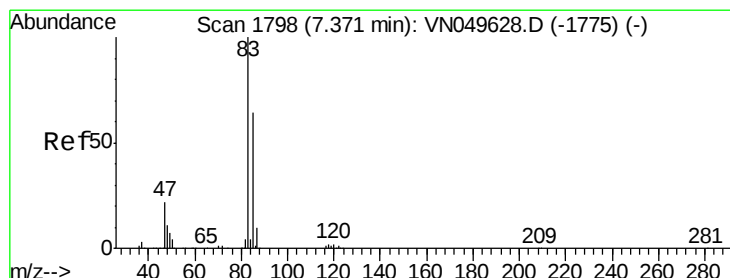
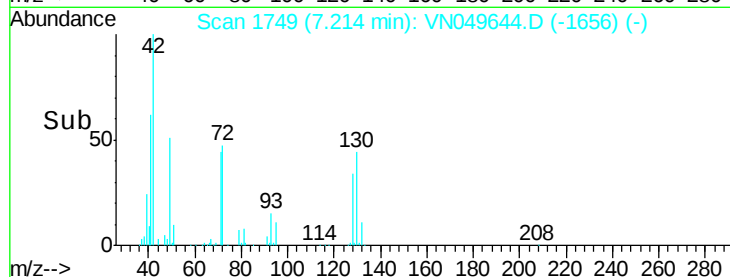
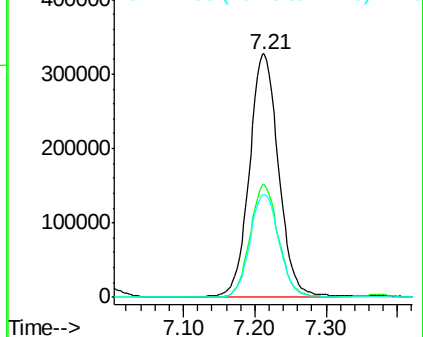
71 42.4 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 45.82 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN049644.D

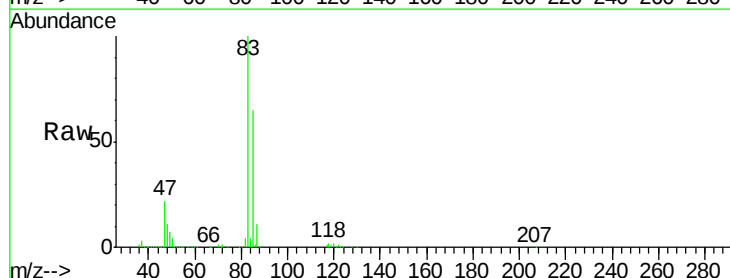
Acq: 30 Jun 2018 11:52

Tgt Ion: 83 Resp: 1578526

Ion Ratio Lower Upper

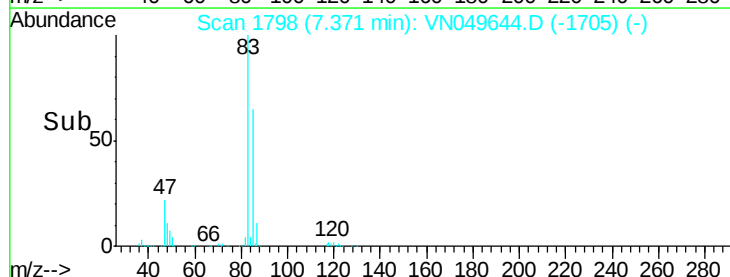
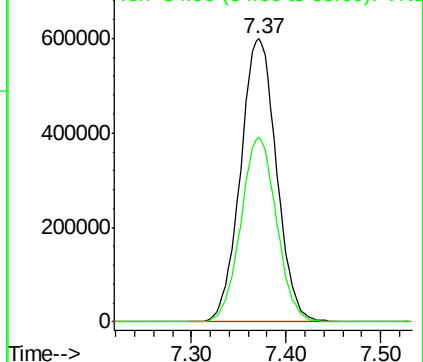
83 100

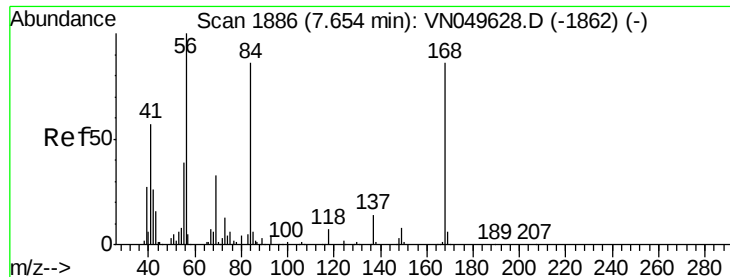
85 65.3 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

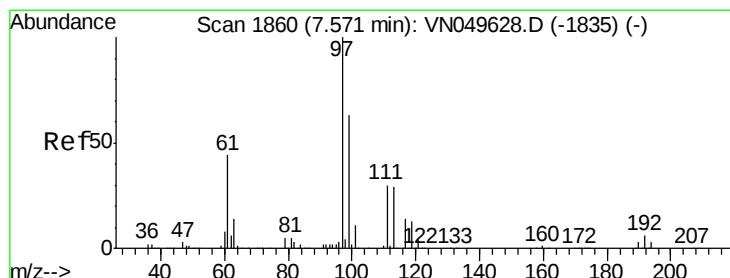
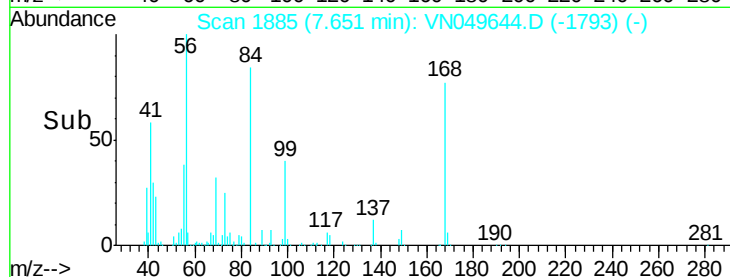
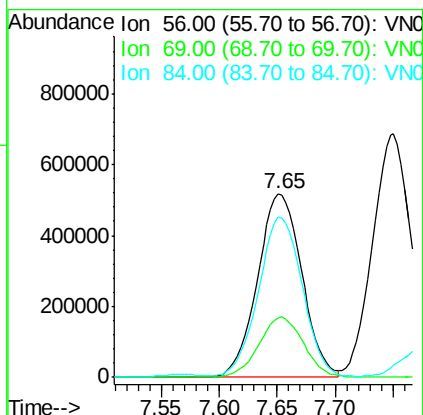
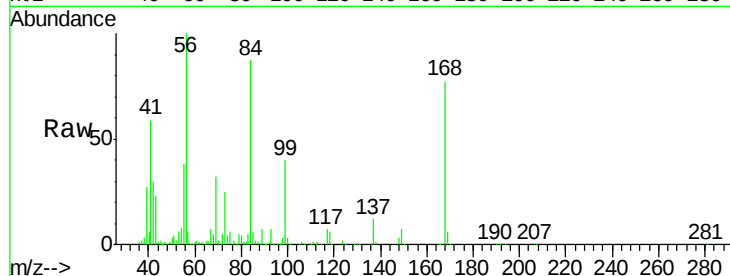




#31
Cyclohexane
Concen: 47.35 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

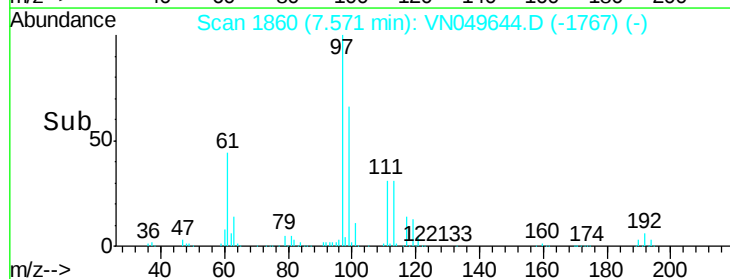
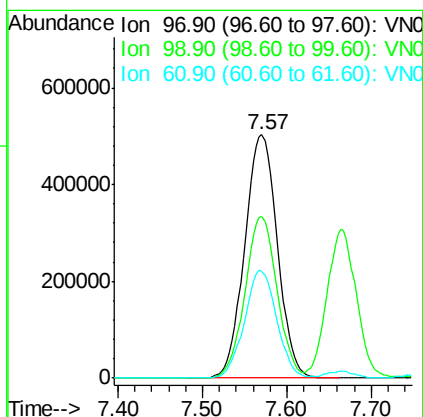
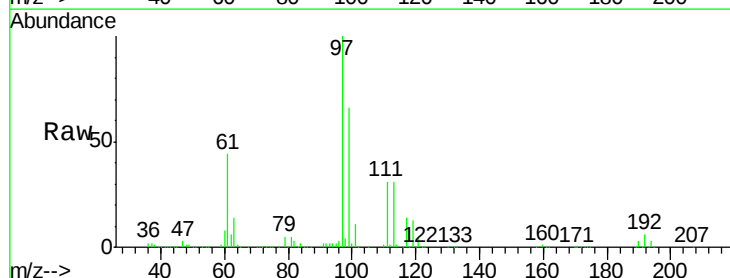
Instrument :
MSVOA_N
ClientSampled :

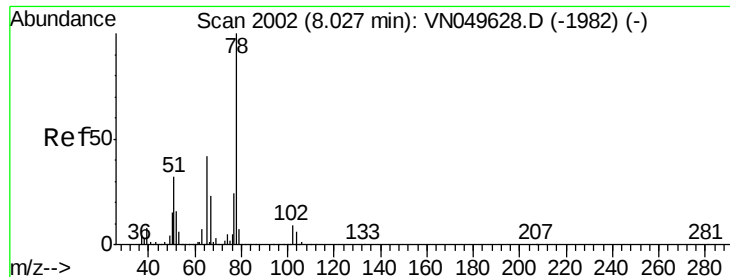
Tot Ion: 56 Resp: 1372719
Ion Ratio Lower Upper
56 100
69 32.5 26.6 40.0
84 86.1 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 46.48 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 97 Resp: 1355647
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 43.6 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 44.93 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

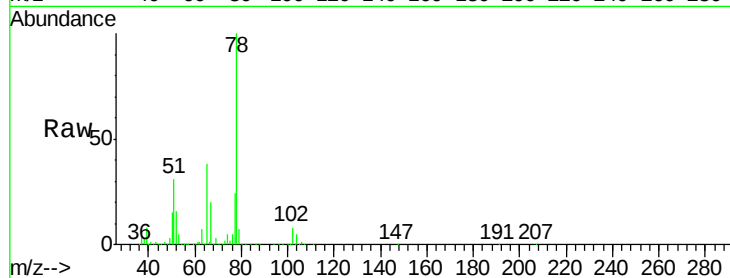
ClientSampleId :

Tot Ion: 65 Resp: 872070

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049628.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049628.D (-1982) (-)

8.03

400000

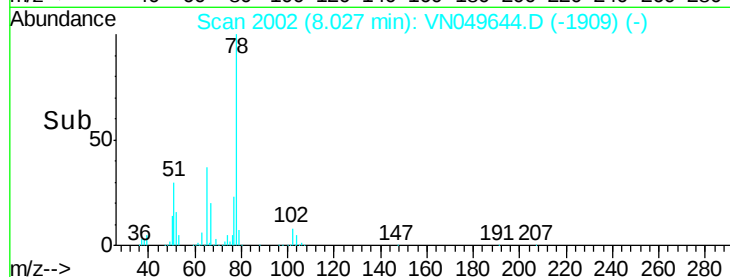
300000

200000

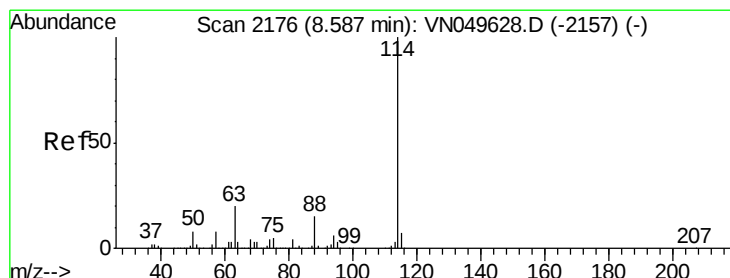
100000

0

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

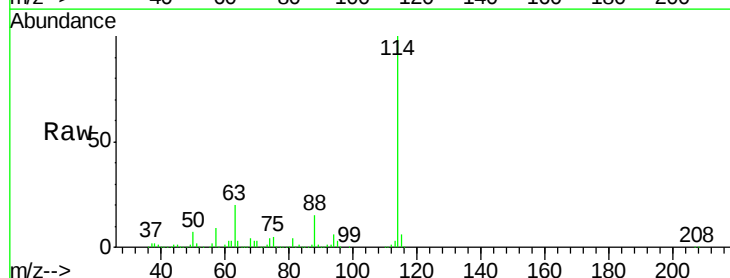
Tgt Ion: 114 Resp: 2165725

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049628.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049628.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049628.D (-2157) (-)

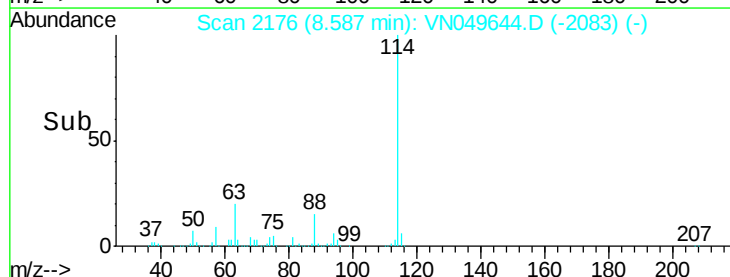
8.59

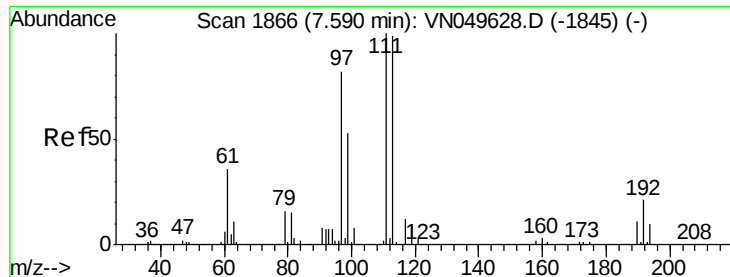
1000000

500000

0

Time-->

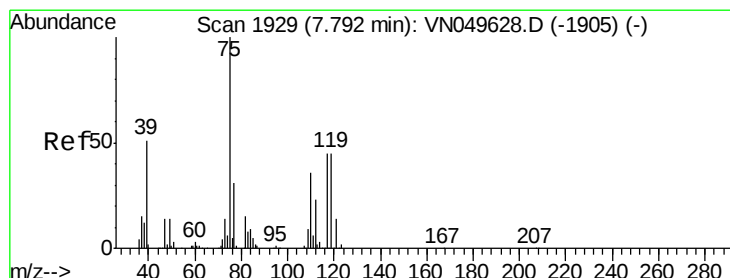
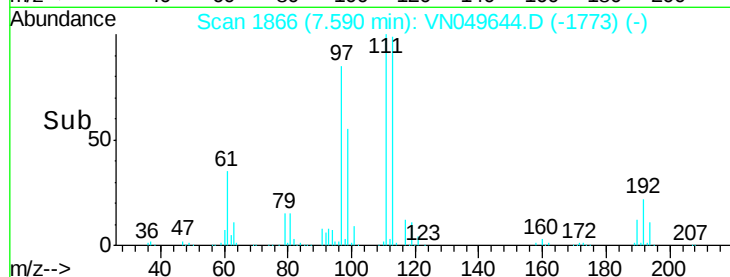
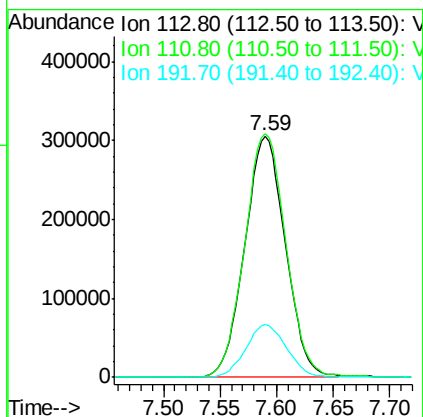
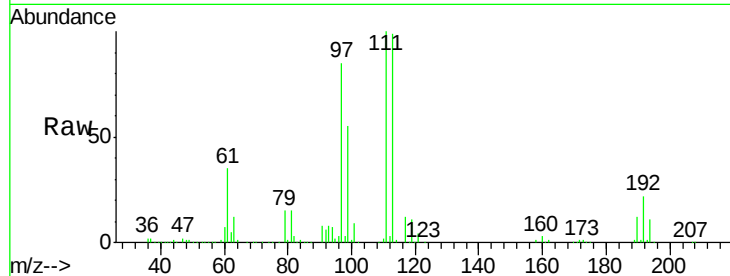




#35
 Dibromofluoromethane
 Concen: 47.06 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

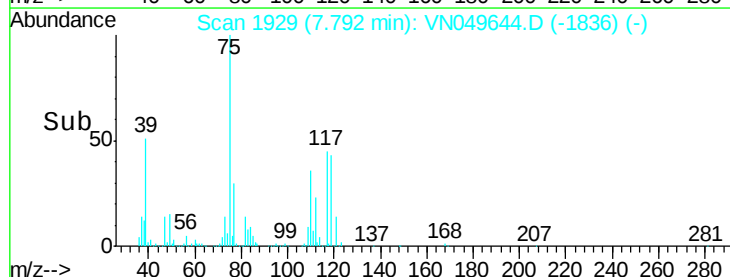
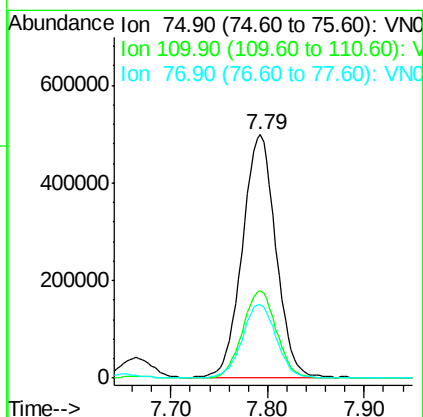
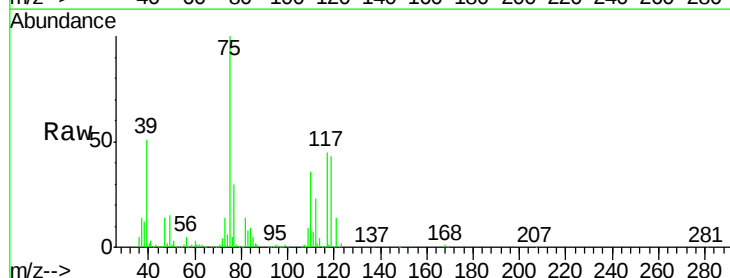
Instrument :
 MSVOA_N
 ClientSampled :

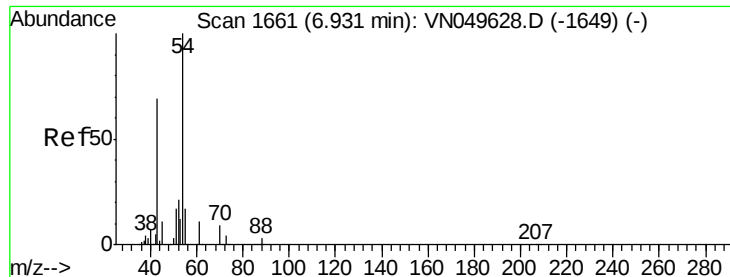
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.8
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 49.00 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	30.8	24.9	37.3

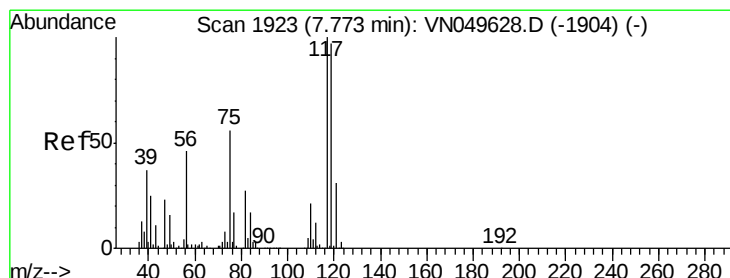
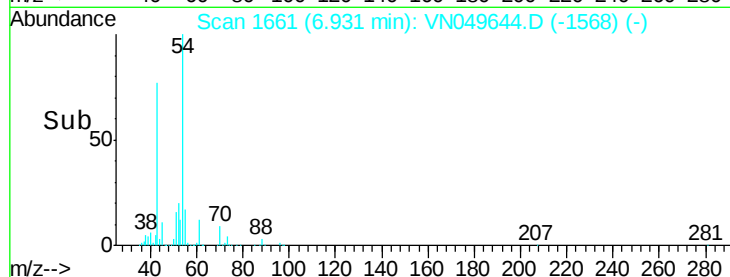
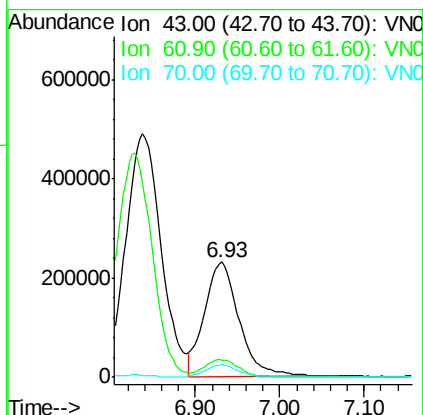
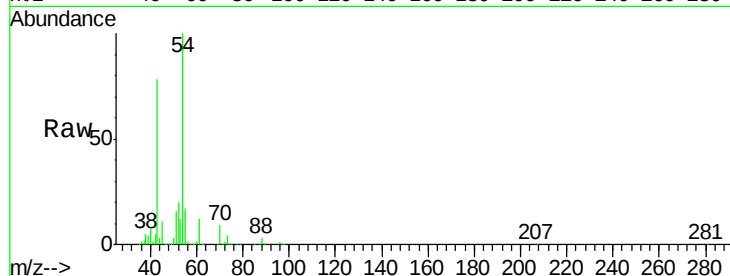




#37
Ethyl Acetate
Concen: 46.37 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

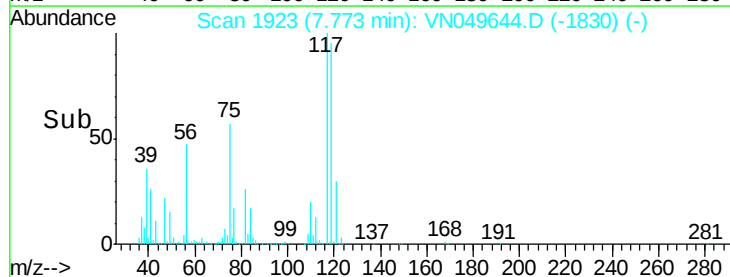
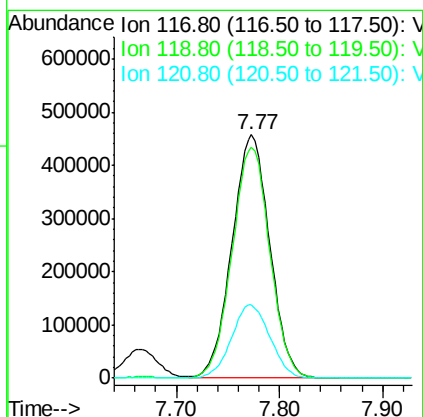
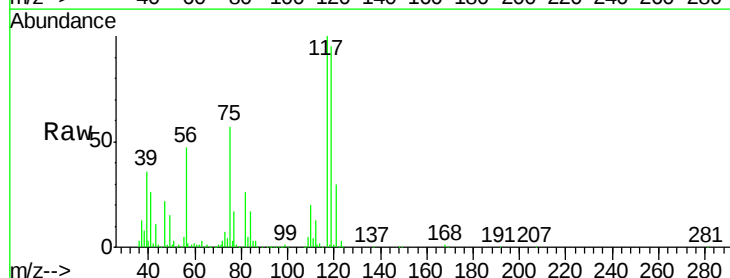
Instrument :
MSVOA_N
ClientSampled :

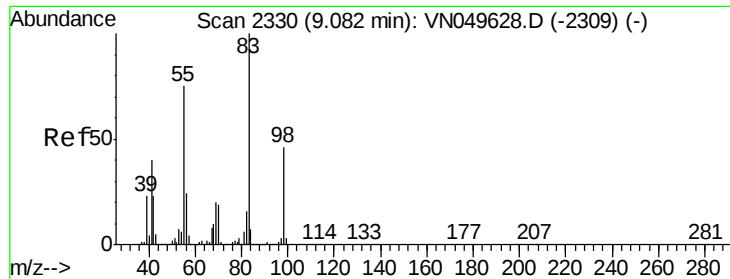
Tot Ion: 43 Resp: 658975
Ion Ratio Lower Upper
43 100
61 14.8 11.7 17.5
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.96 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 117 Resp: 1160356
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8
121 29.9 25.0 37.6

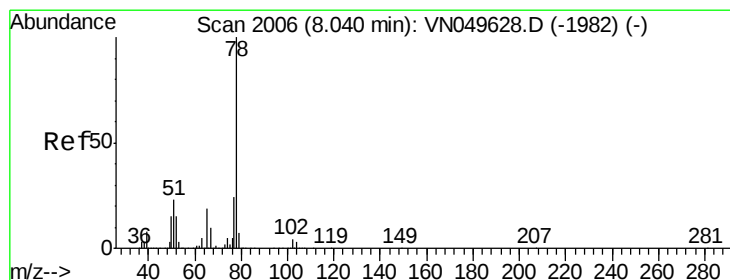
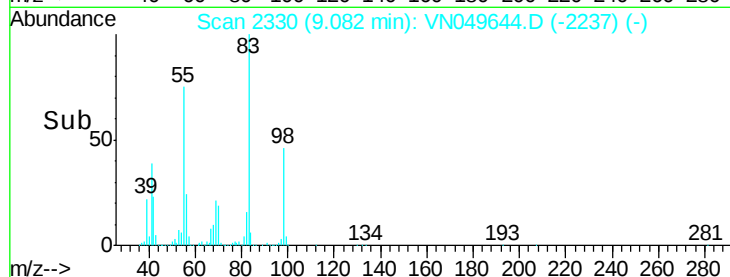
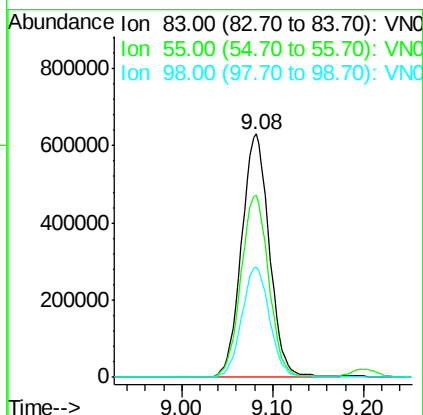
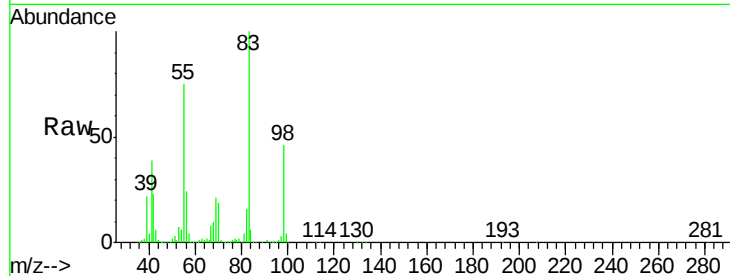




#39
Methvlcvclohexane
Concen: 50.11 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

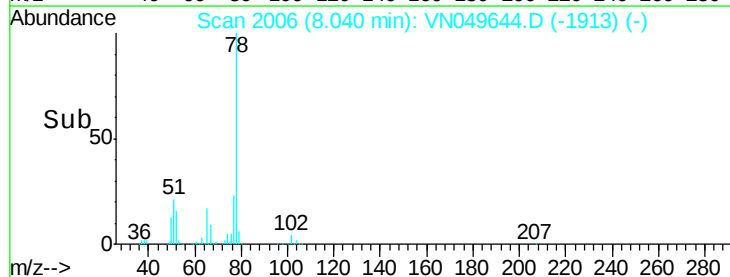
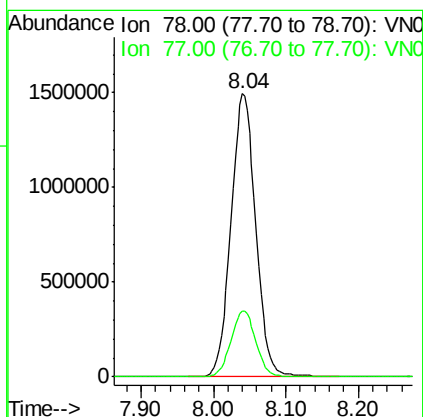
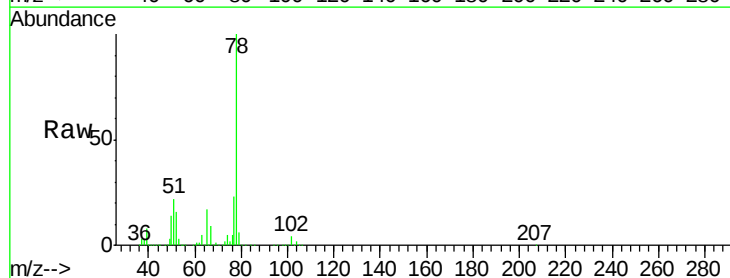
Instrument :
MSVOA_N
ClientSampled :

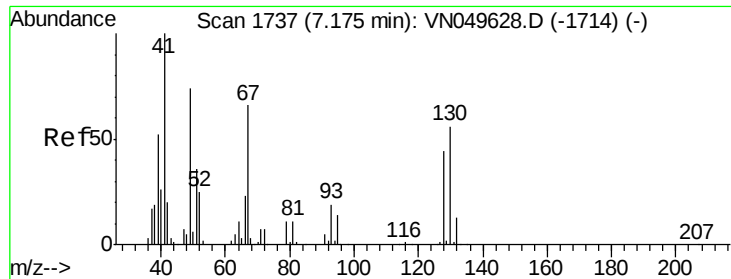
Tot Ion: 83 Resp: 1338593
Ion Ratio Lower Upper
83 100
55 74.9 59.7 89.5
98 45.6 36.5 54.7



#40
Benzene
Concen: 47.66 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 78 Resp: 3546031
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

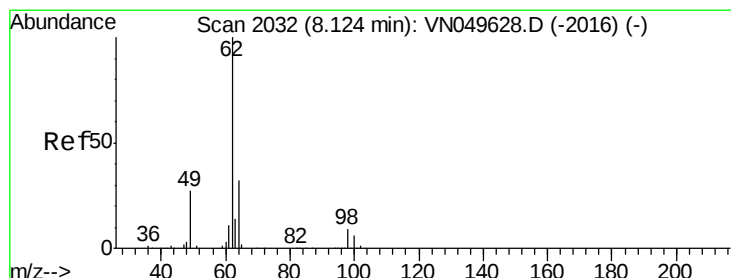
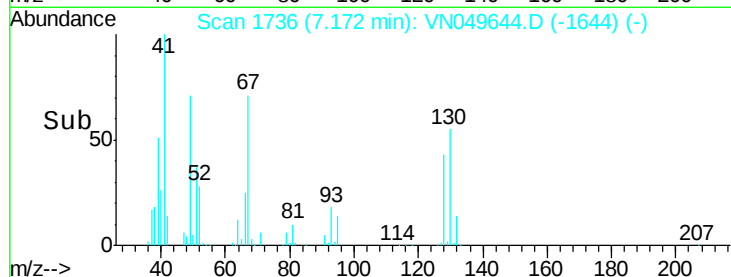
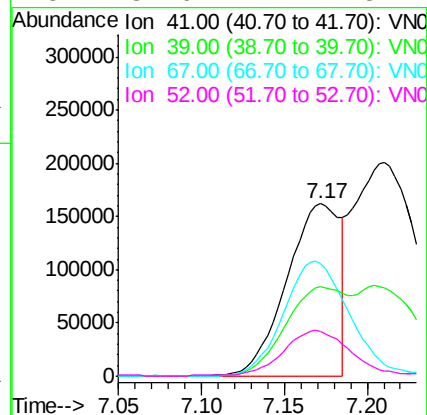
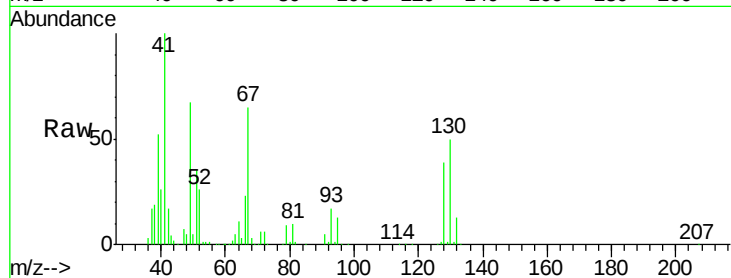




#41
Methacrylonitrile
Concen: 45.20 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

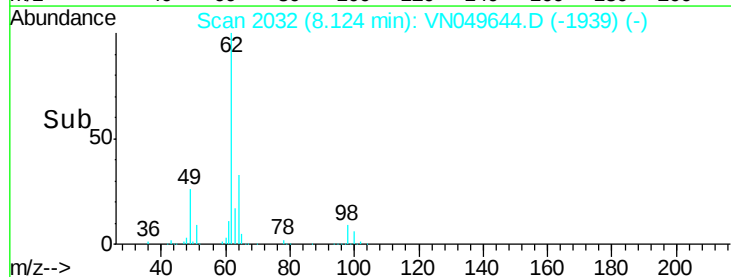
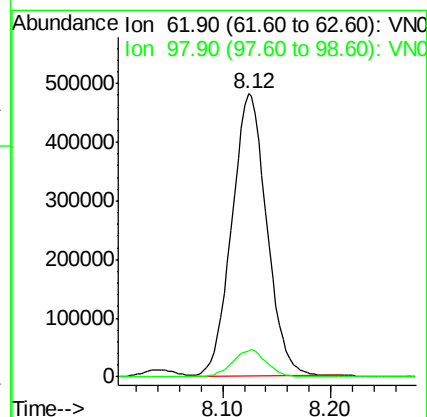
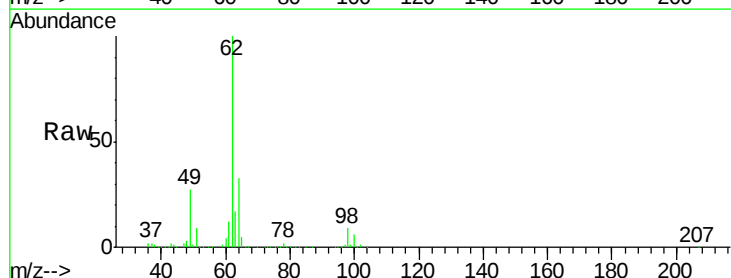
Instrument :
MSVOA_N
ClientSampled :

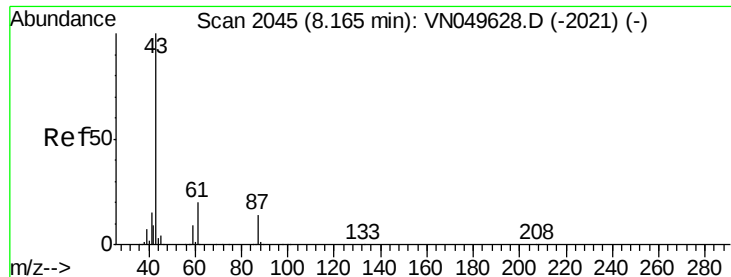
Tot Ion:	41	Resp:	362129
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.4	68.2
67	82.9	65.4	98.0
52	32.6	24.7	37.1



#42
1,2-Dichloroethane
Concen: 45.75 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion:	62	Resp:	1086295
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 44.43 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

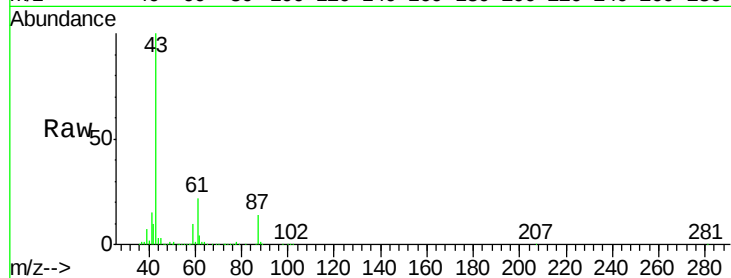
Tot Ion: 43 Resp: 1255431

Ion Ratio Lower Upper

43 100

61 19.0 14.9 22.3

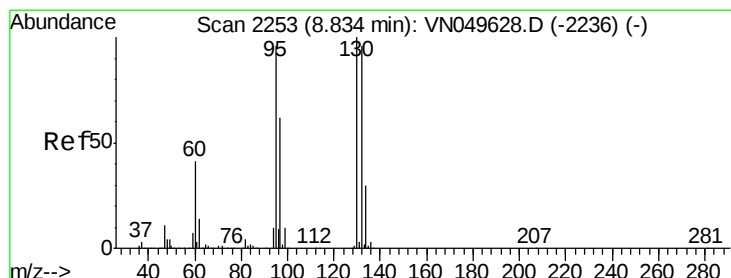
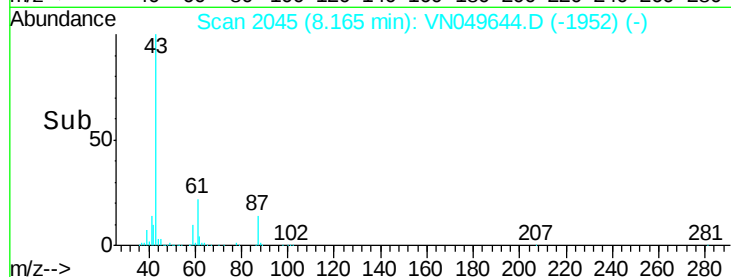
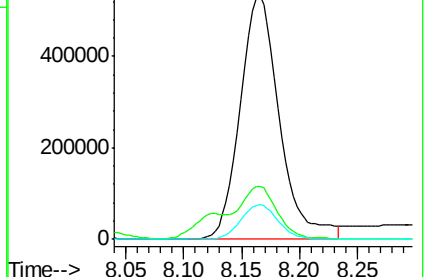
87 13.5 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN049628.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-2021) (-)



#44

Trichloroethene

Concen: 45.53 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VN049644.D

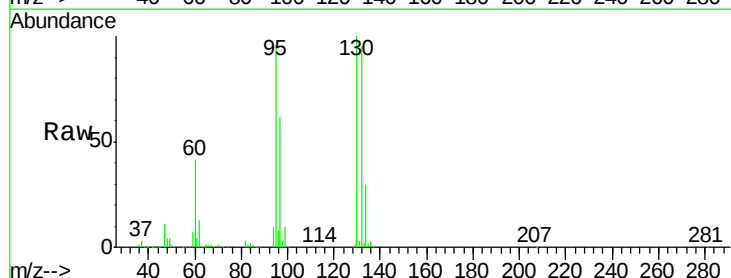
Acq: 30 Jun 2018 11:52

Tgt Ion:130 Resp: 1021499

Ion Ratio Lower Upper

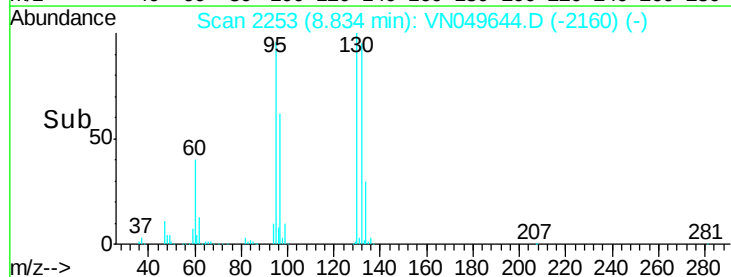
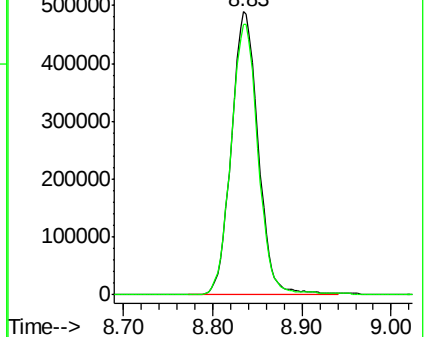
130 100

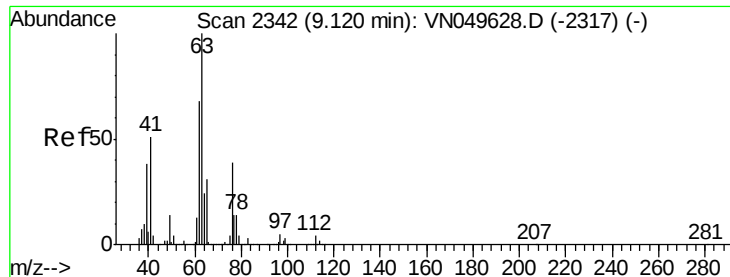
95 95.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 48.73 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

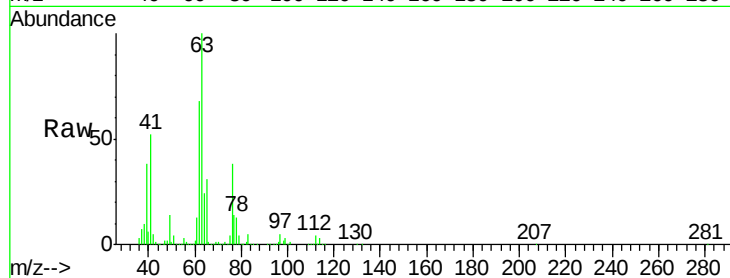
ClientSampled :

Tot Ion: 63 Resp: 936705

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2317) (-)

Ion 64.90 (64.60 to 65.60): VN049628.D (-2317) (-)

9.12

400000

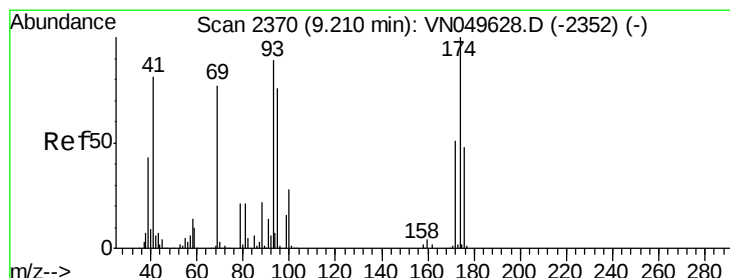
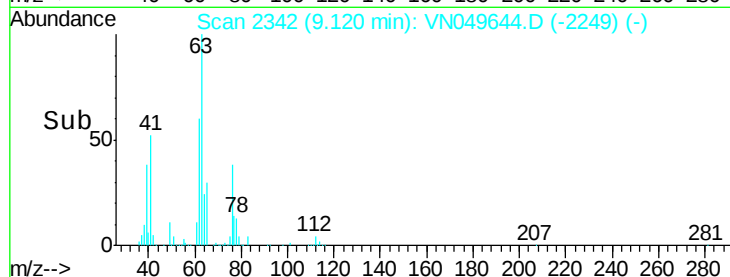
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 46.50 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

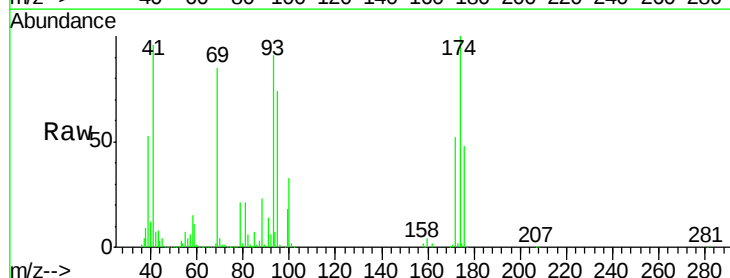
Tgt Ion: 93 Resp: 540693

Ion Ratio Lower Upper

93 100

95 82.1 67.9 101.9

174 110.8 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049628.D (-2352) (-)

Ion 94.80 (94.50 to 95.50): VN049628.D (-2352) (-)

Ion 173.70 (173.40 to 174.40): VN049628.D (-2352) (-)

9.21

400000

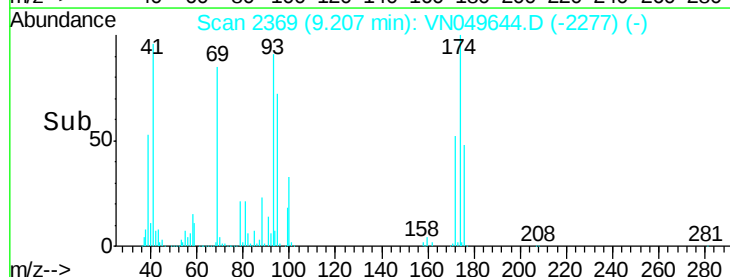
300000

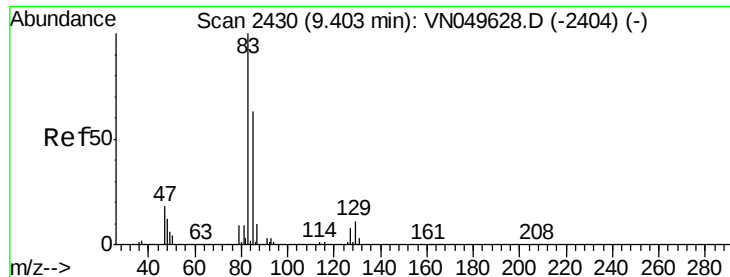
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 48.18 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :

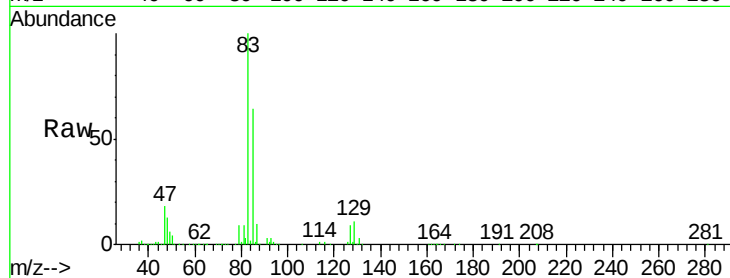
Tot Ion: 83 Resp: 1192713

Ion Ratio Lower Upper

83 100

85 63.7 50.5 75.7

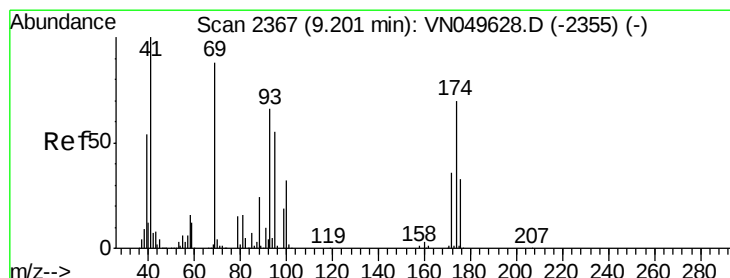
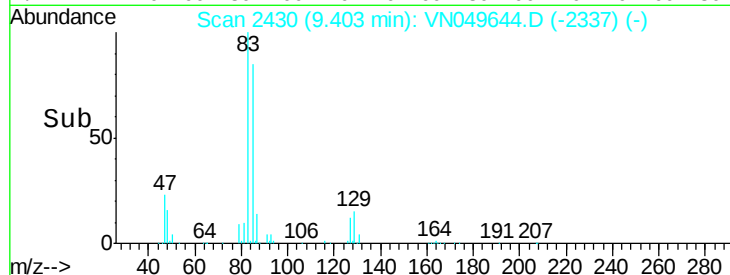
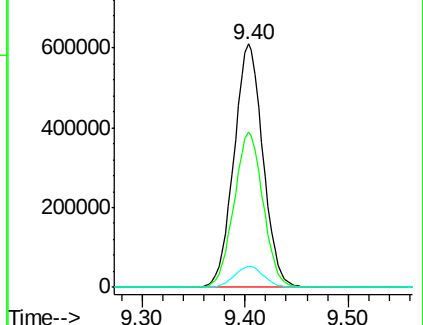
127 8.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049644.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049644.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049644.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.00 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

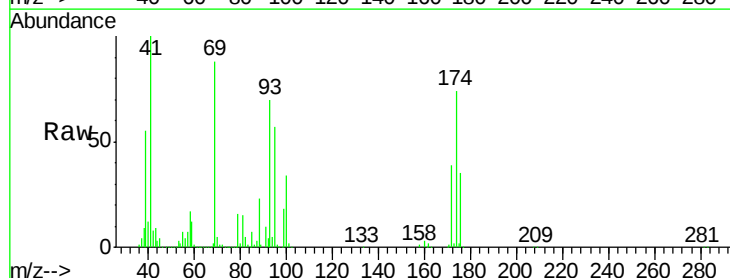
Tgt Ion: 41 Resp: 606205

Ion Ratio Lower Upper

41 100

69 89.0 71.5 107.3

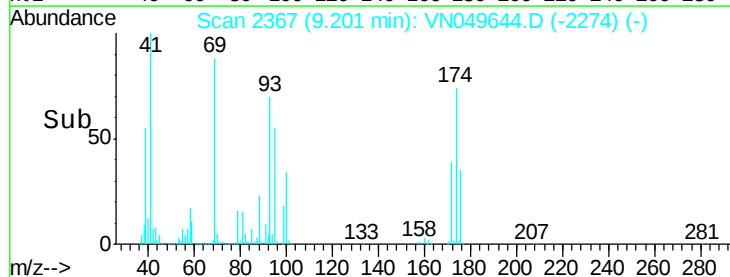
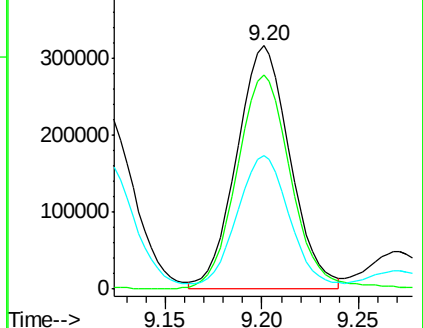
39 54.9 44.7 67.1

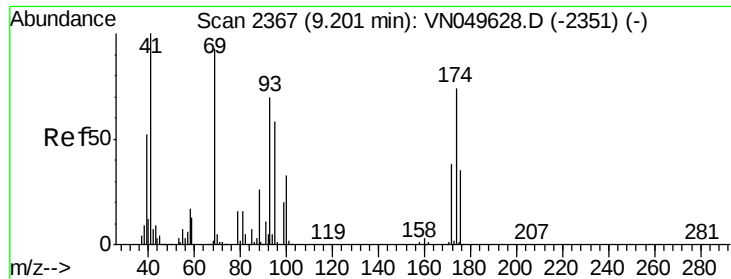


Abundance Ion 41.00 (40.70 to 41.70): VN049644.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049644.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049644.D (-2274) (-)

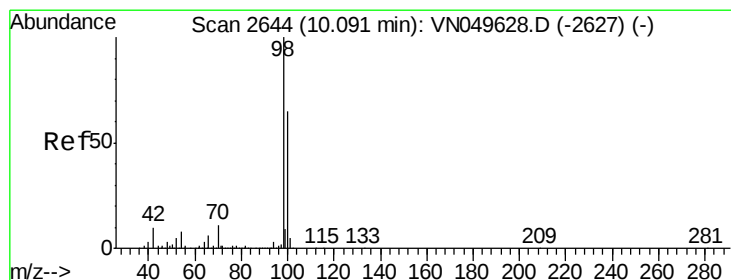
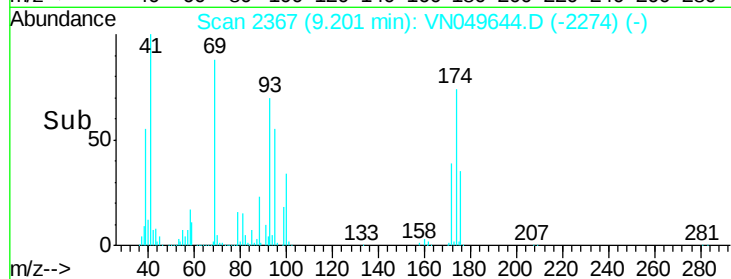
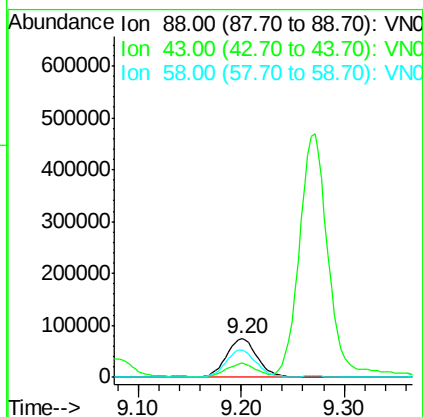
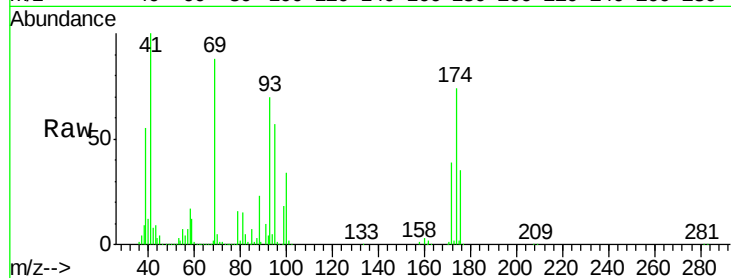




#49
1,4-Dioxane
Concen: 925.05 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

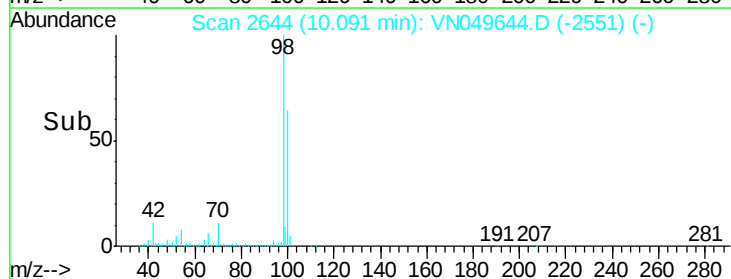
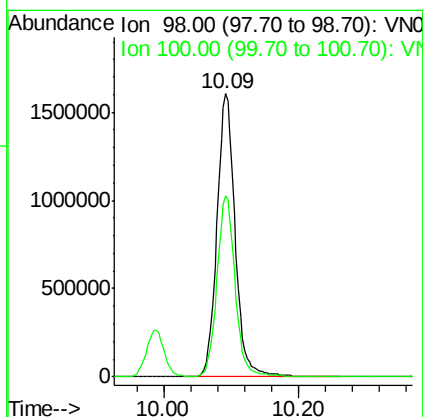
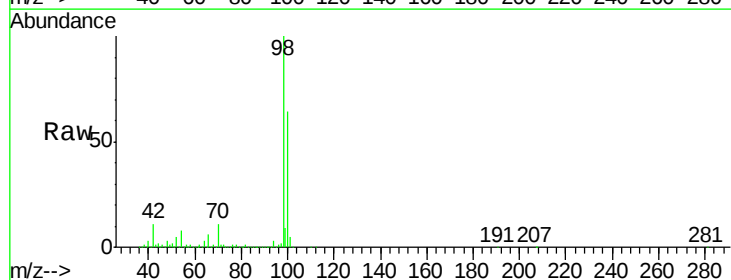
Instrument :
MSVOA_N
ClientSampled :

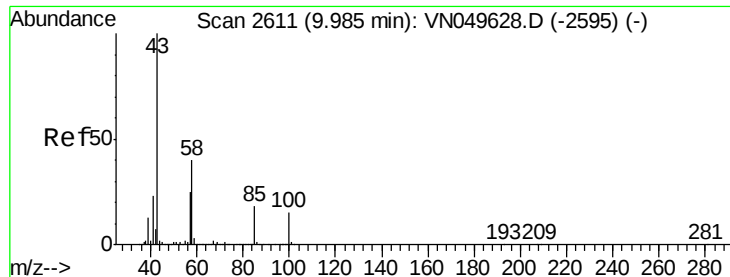
Tot Ion: 88 Resp: 157057
Ion Ratio Lower Upper
88 100
43 31.4 25.1 37.7
58 69.4 52.5 78.7



#50
Toluene-d8
Concen: 47.87 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 98 Resp: 3034006
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

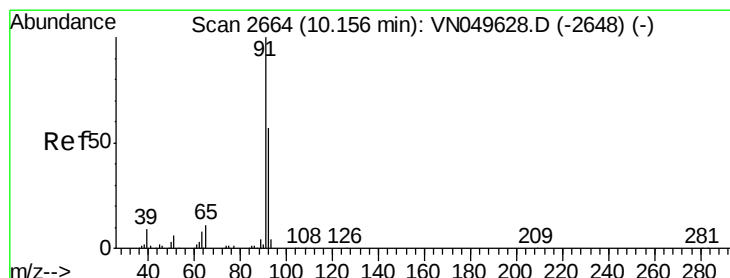
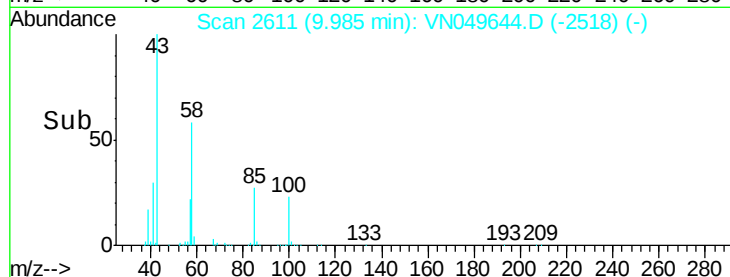
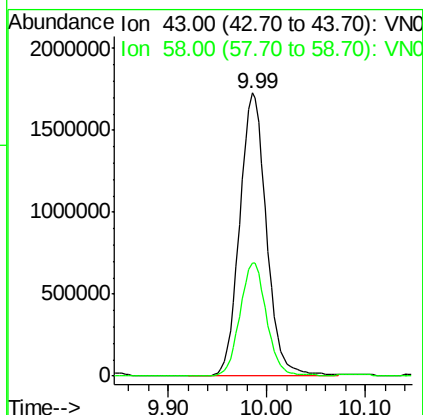
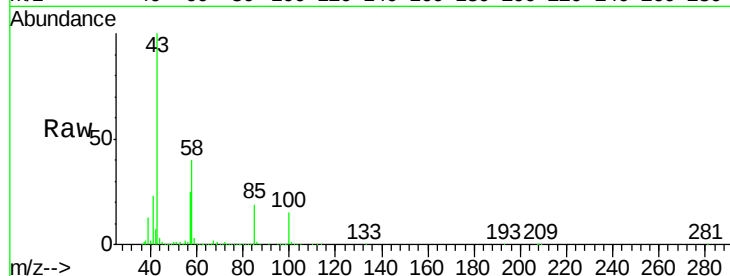




#51
4-Methyl-2-Pentanone
Concen: 232.44 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

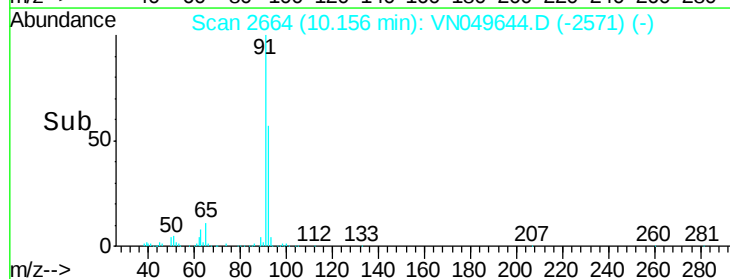
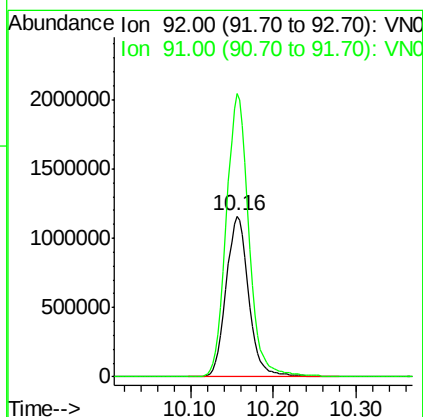
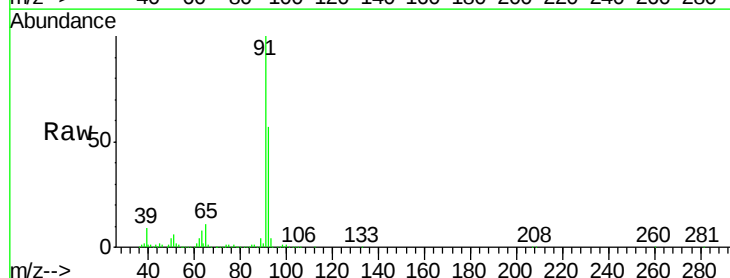
Instrument :
MSVOA_N
ClientSampleId :

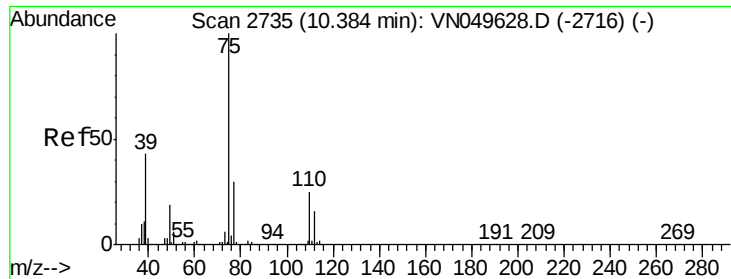
Tot Ion: 43 Resp: 3238717
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.8



#52
Toluene
Concen: 48.86 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 92 Resp: 2196075
Ion Ratio Lower Upper
92 100
91 176.5 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 49.21 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

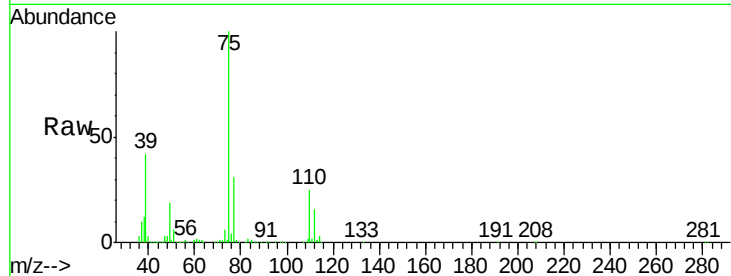
ClientSampled :

Tot Ion: 75 Resp: 1166431

Ion Ratio Lower Upper

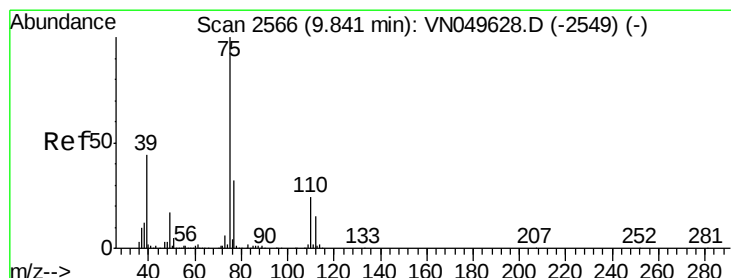
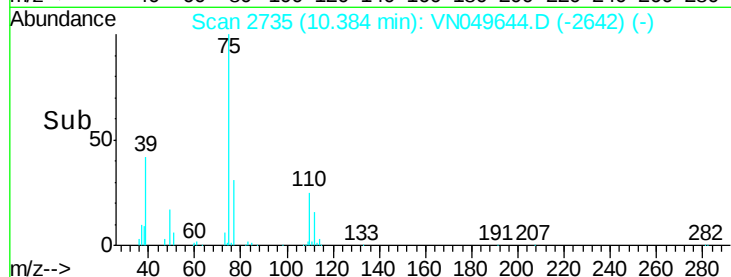
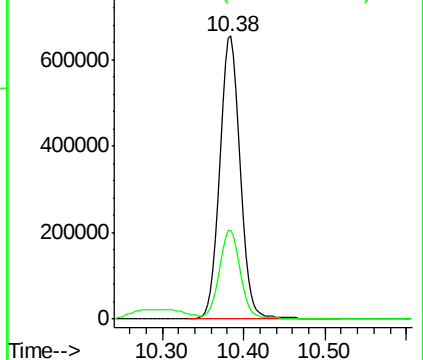
75 100

77 31.3 25.2 37.8



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: 49.86 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

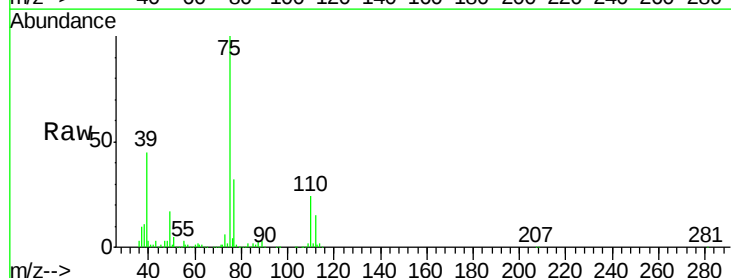
Tgt Ion: 75 Resp: 1381333

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

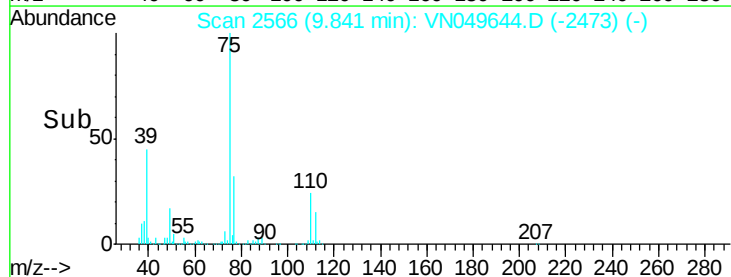
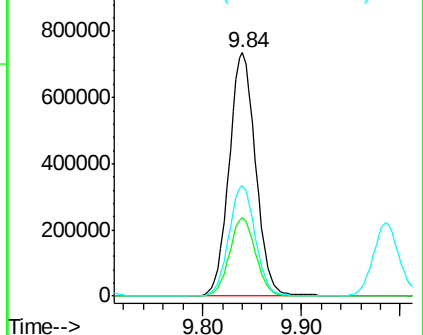
39 45.2 35.5 53.3

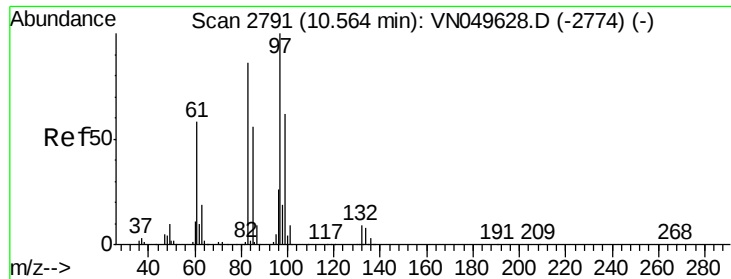


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

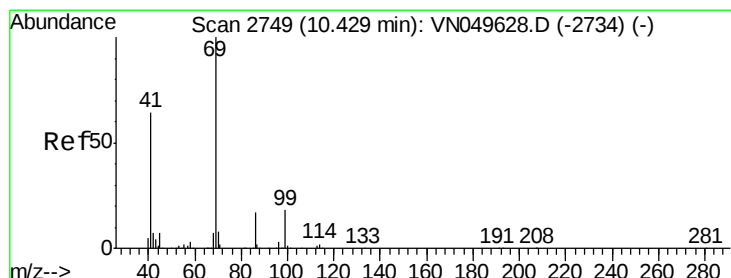
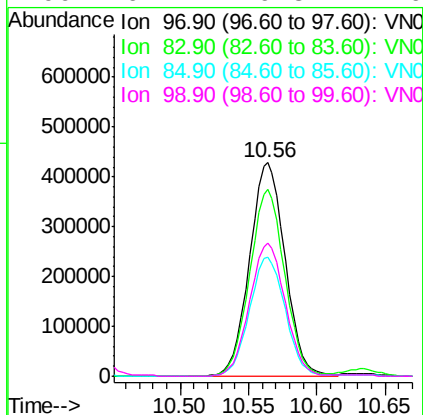
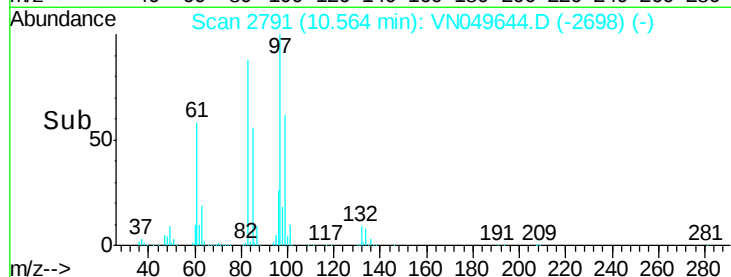
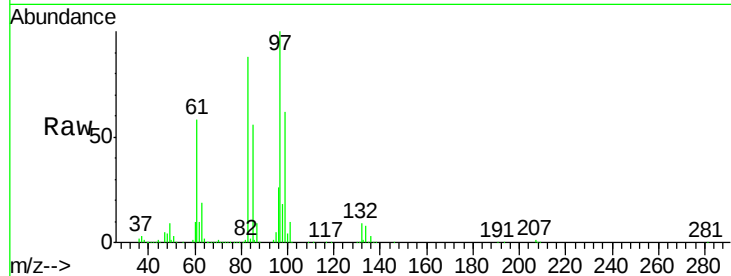




#55
 1,1,2-Trichloroethane
 Concen: 46.21 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

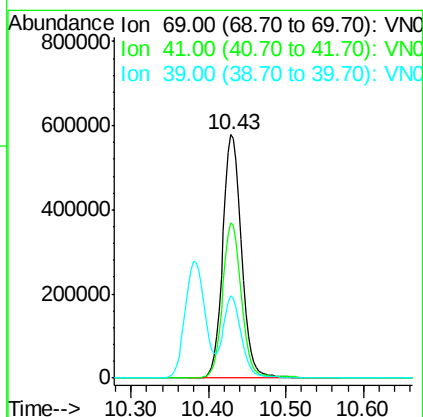
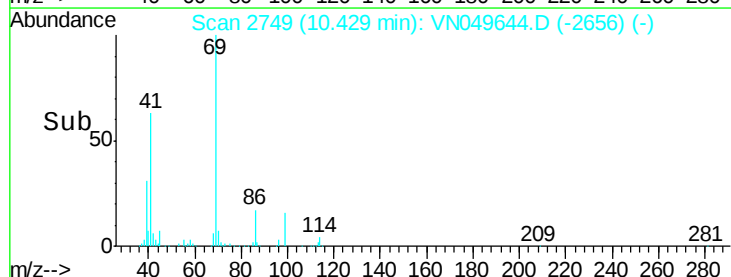
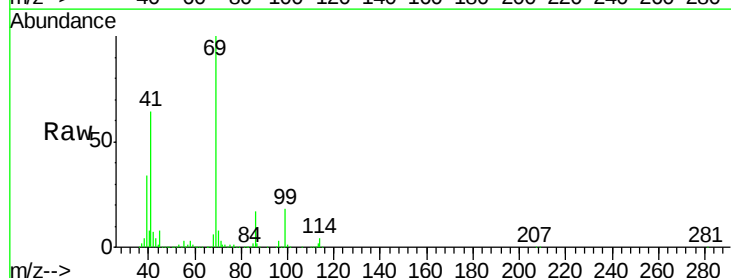
Instrument :
 MSVOA_N
 ClientSampleId :

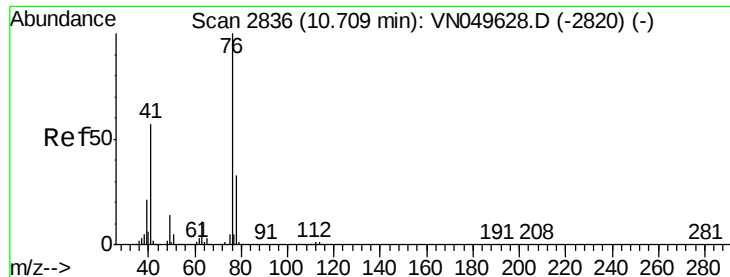
Tot Ion	97	Resp	773380
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.0	103.6
85	55.7	44.9	67.3
99	62.2	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 50.11 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion	69	Resp	983098
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.6	77.4
39	32.3	25.8	38.8





#57

1,3-Dichloropropane

Concen: 47.67 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

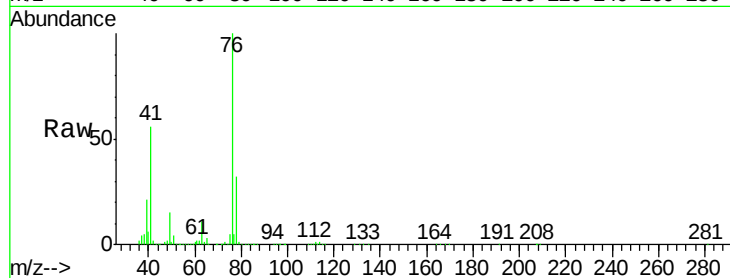
ClientSampled :

Tot Ion: 76 Resp: 1293558

Ion Ratio Lower Upper

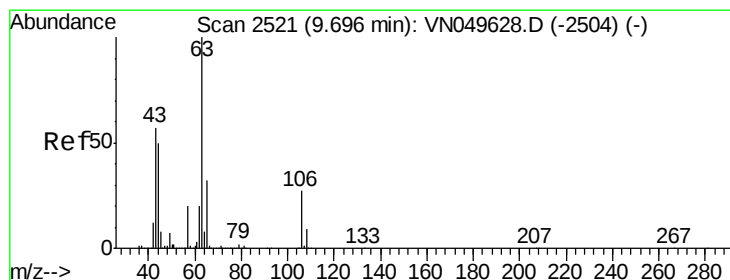
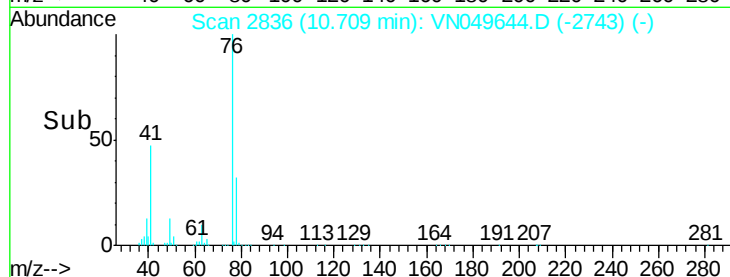
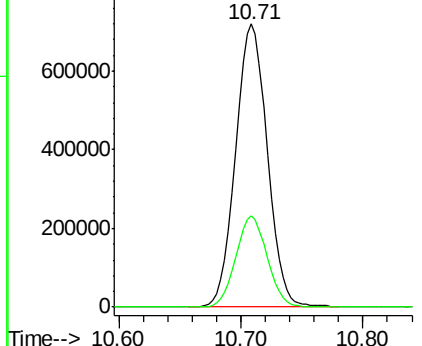
76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 217.58 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049644.D

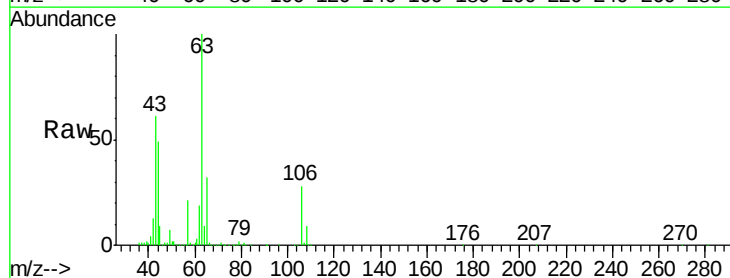
Acq: 30 Jun 2018 11:52

Tgt Ion: 63 Resp: 2209586

Ion Ratio Lower Upper

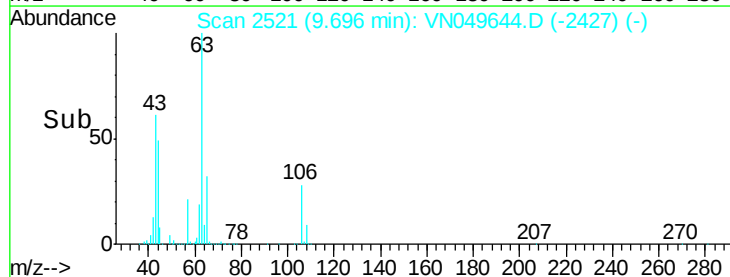
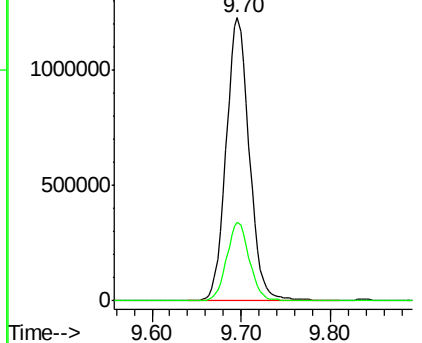
63 100

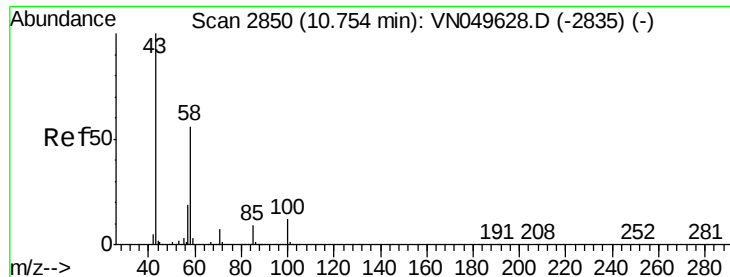
106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

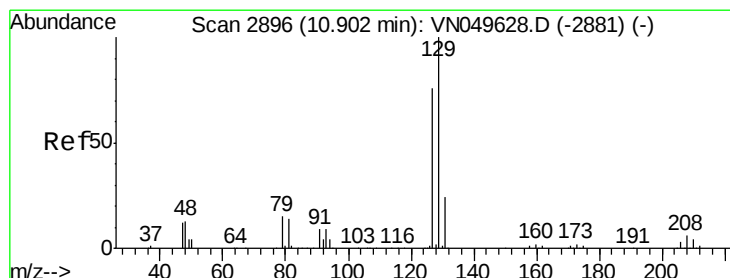
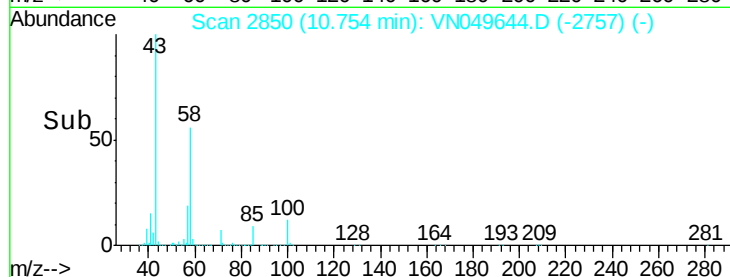
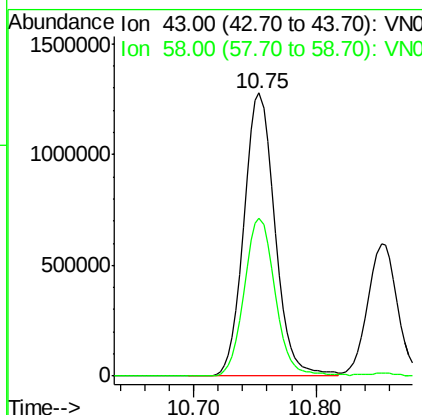
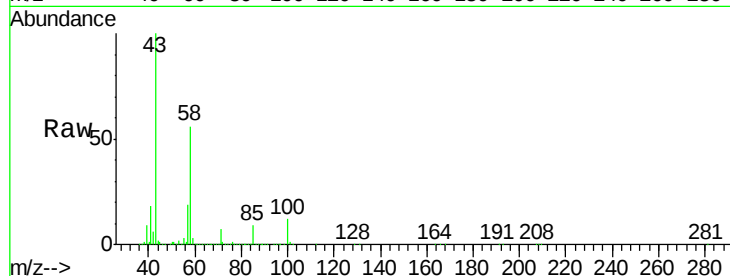




#59
2-Hexanone
Concen: 241.33 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

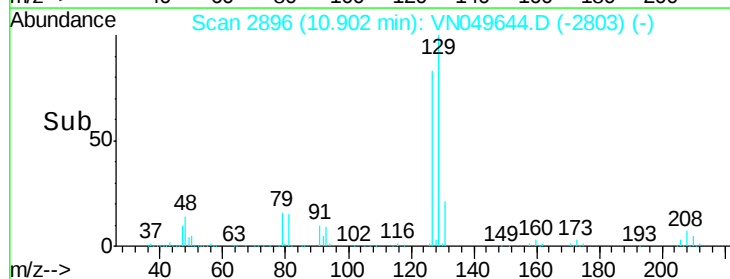
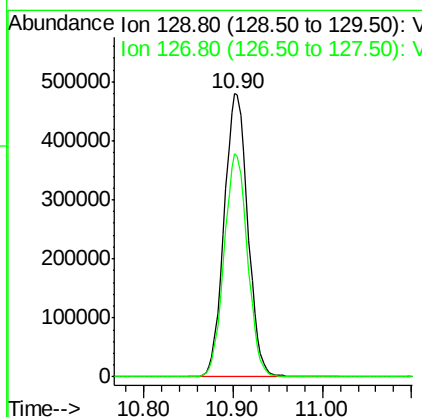
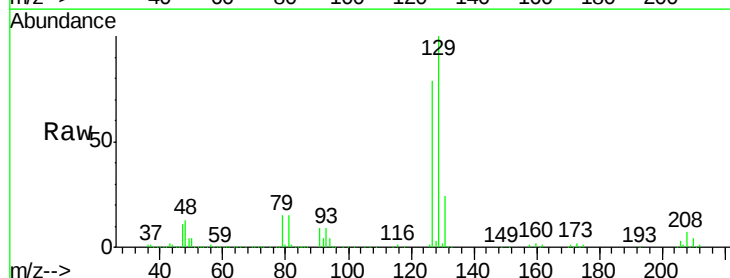
Instrument :
MSVOA_N
ClientSampled :

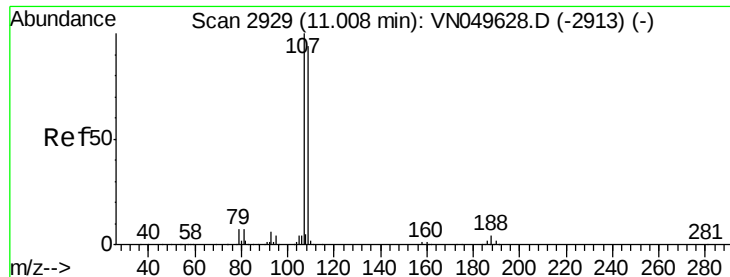
Tot Ion: 43 Resp: 2223587
Ion Ratio Lower Upper
43 100
58 55.9 27.8 83.4



#60
Dibromochloromethane
Concen: 48.80 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 129 Resp: 882783
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.9

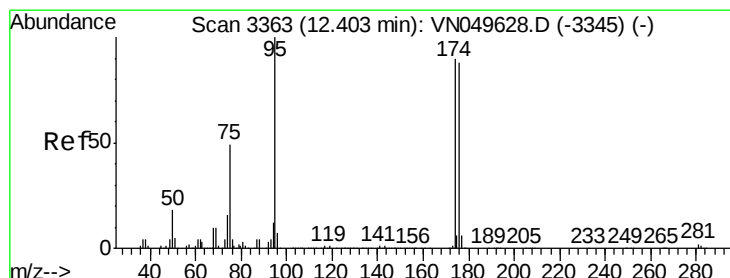
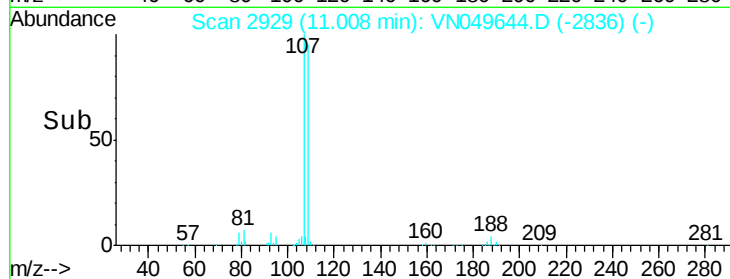
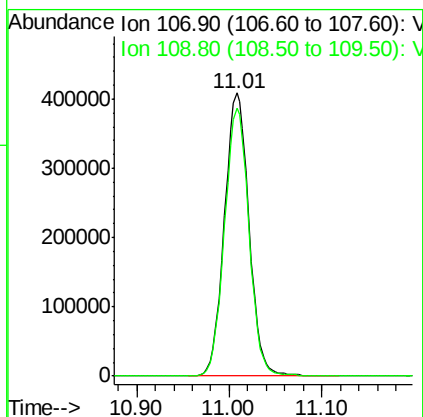
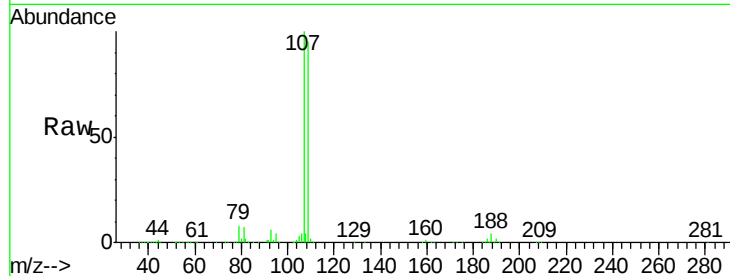




#61
 1,2-Dibromoethane
 Concen: 46.67 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

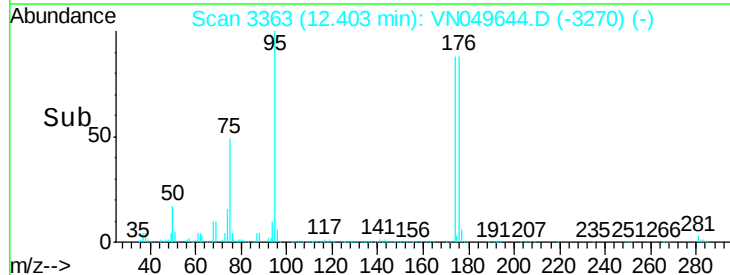
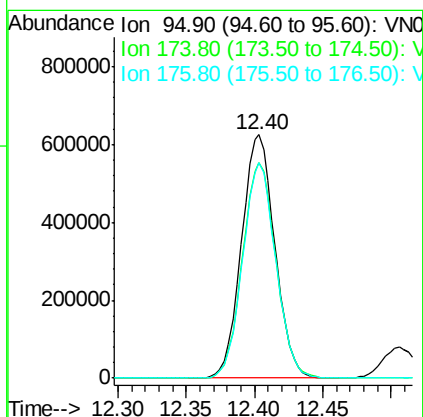
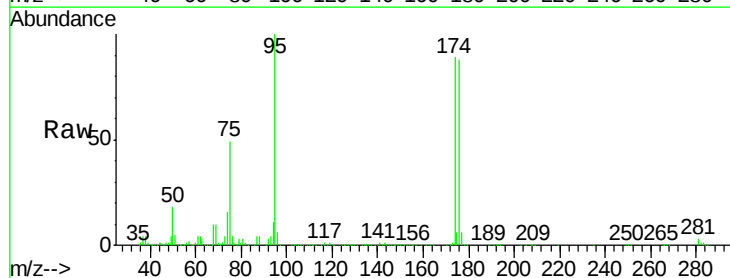
Instrument :
 MSVOA_N
 ClientSampleId :

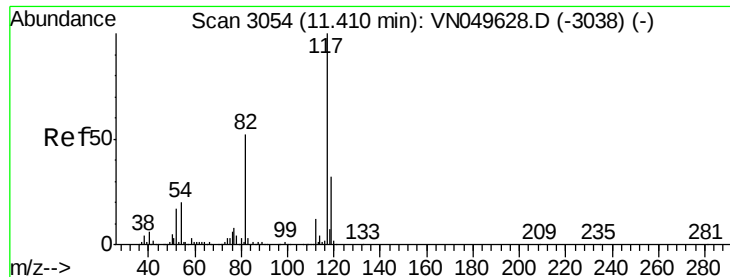
Tot Ion:107 Resp: 748376
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.90 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion: 95 Resp: 1058146
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 179.6
 176 87.8 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

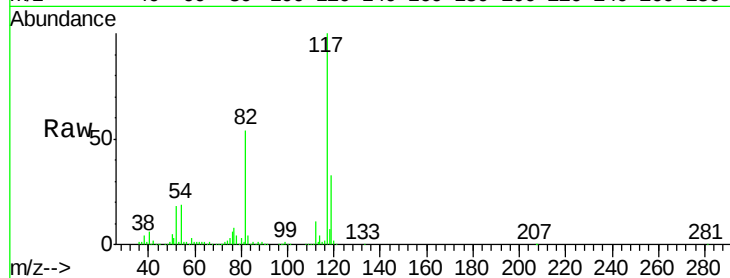
Tot Ion:117 Resp: 1959271

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

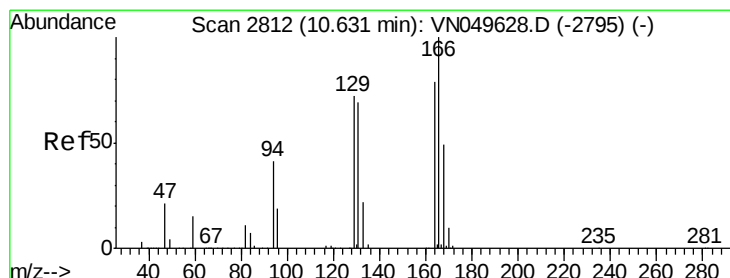
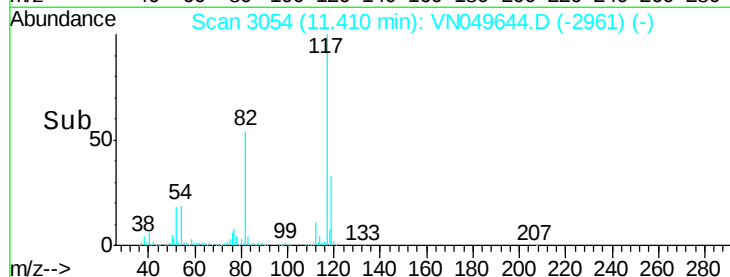
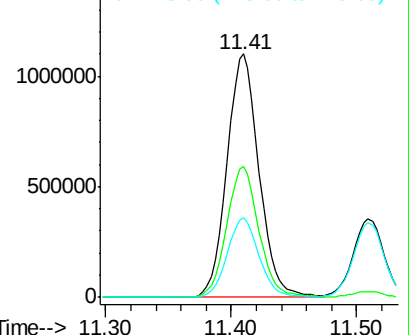
119 32.7 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 44.58 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Tgt Ion:164 Resp: 1182704

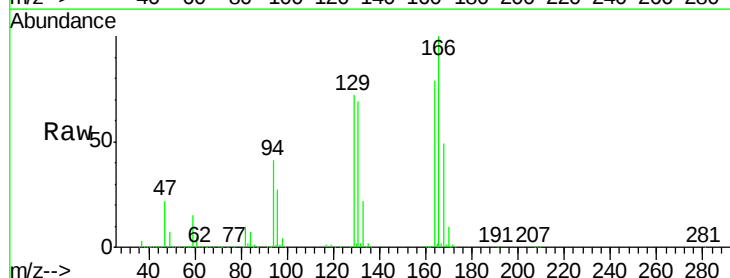
Ion Ratio Lower Upper

164 100

166 125.8 101.8 152.6

129 89.9 72.8 109.2

131 86.7 70.0 105.0

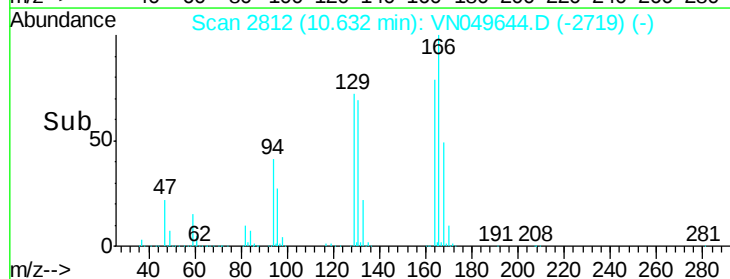
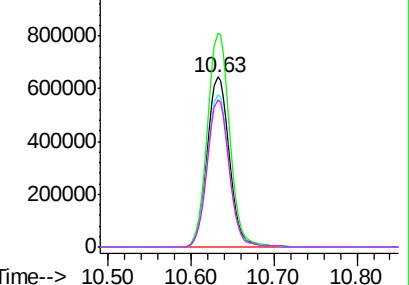


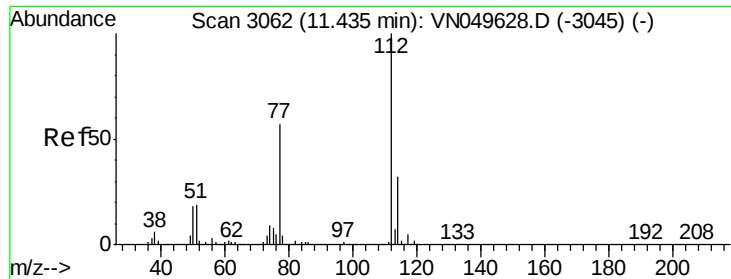
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

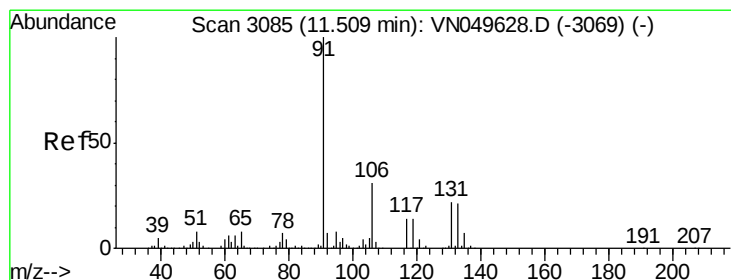
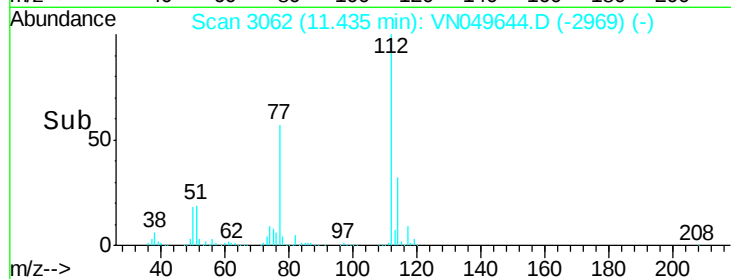
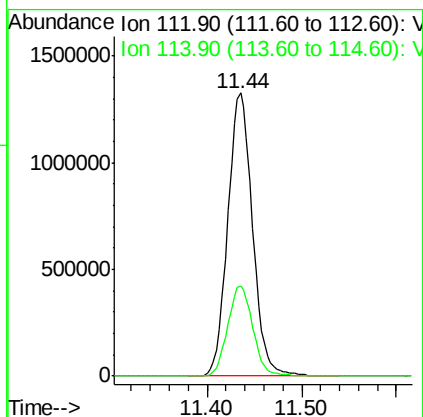
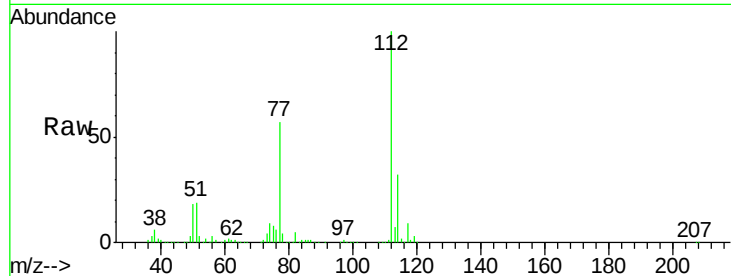




#65
Chlorobenzene
Concen: 47.20 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

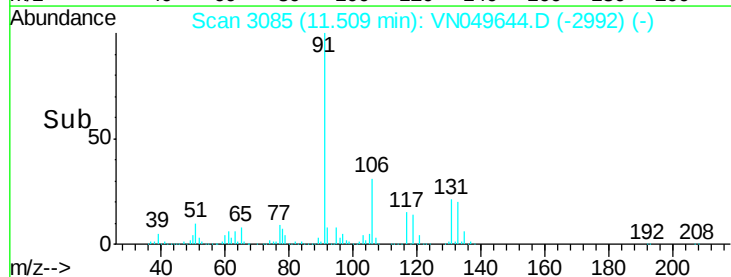
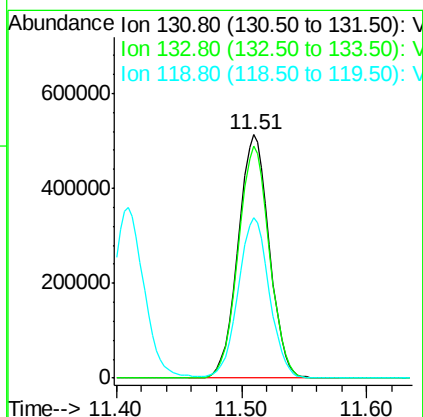
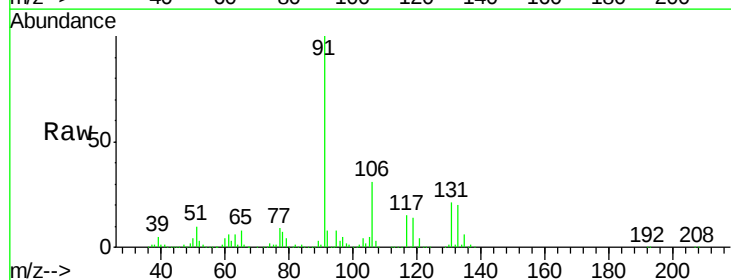
Instrument :
MSVOA_N
ClientSampleId :

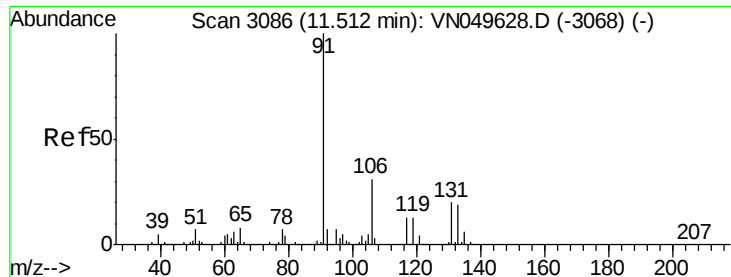
Tot Ion:112 Resp: 2412527
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.18 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion:131 Resp: 884870
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 49.89 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

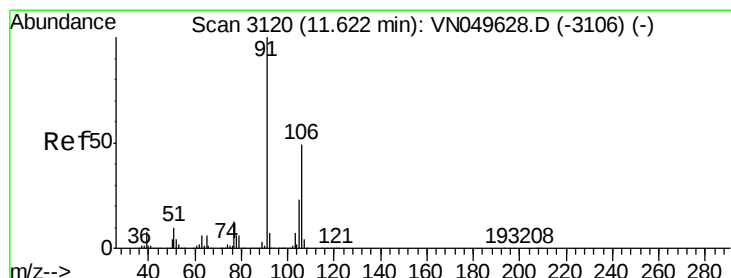
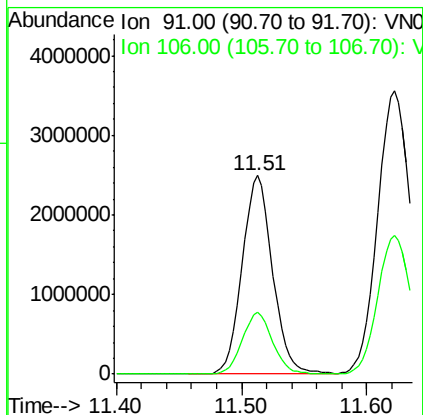
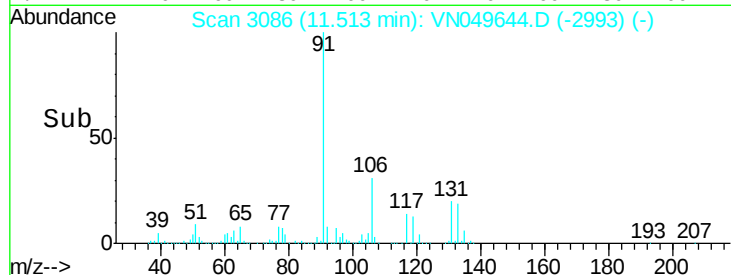
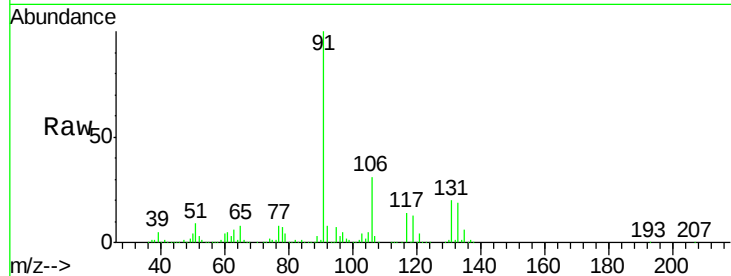
ClientSampleId :

Tot Ion: 91 Resp: 4214730

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2



#68

m/p-Xylenes

Concen: 101.69 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049644.D

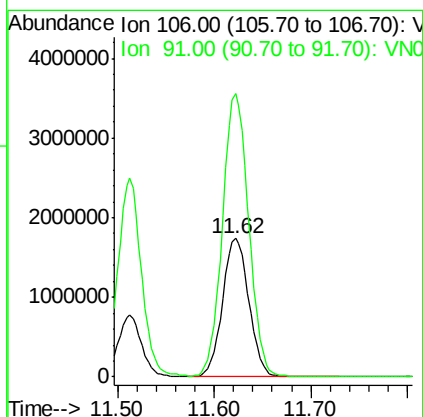
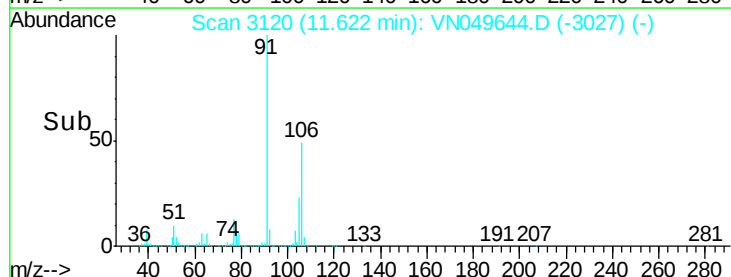
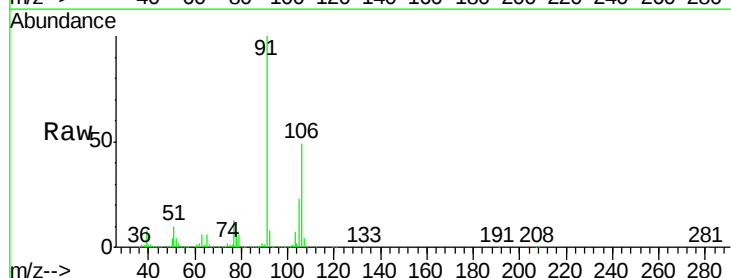
Acq: 30 Jun 2018 11:52

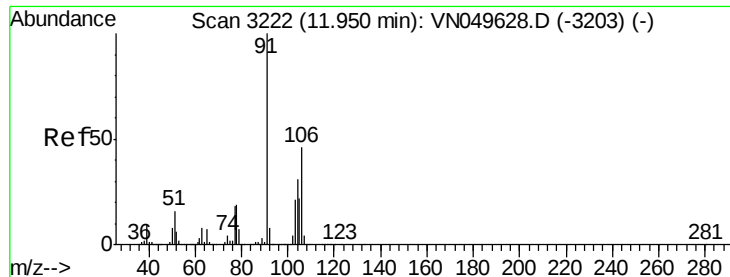
Tgt Ion: 106 Resp: 3292493

Ion Ratio Lower Upper

106 100

91 203.6 163.4 245.2

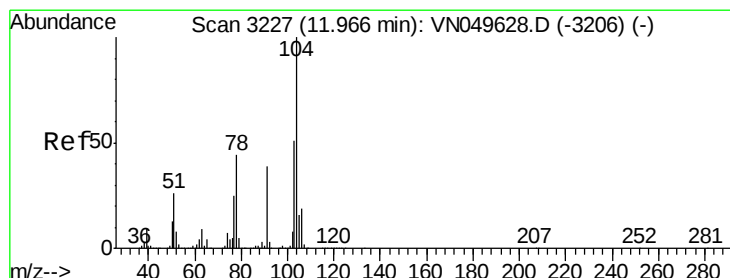
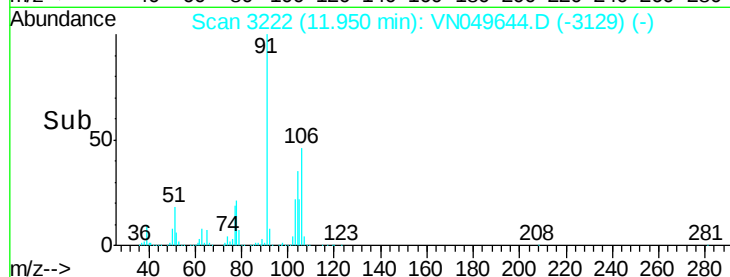
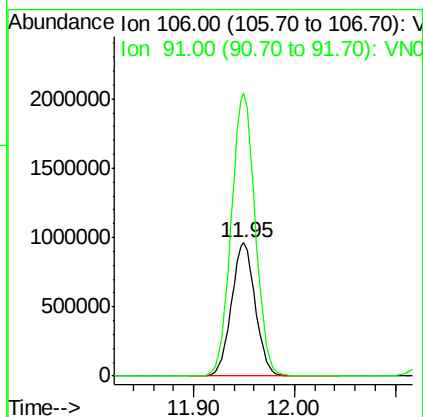
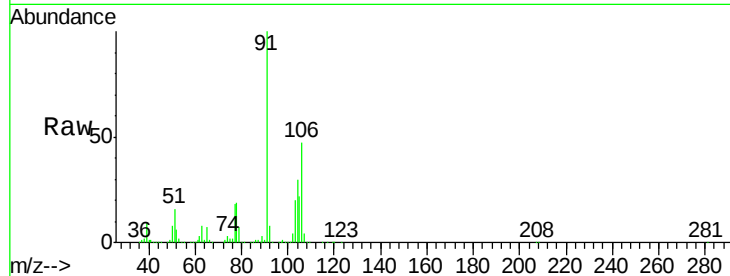




#69
o-Xylene
Concen: 50.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

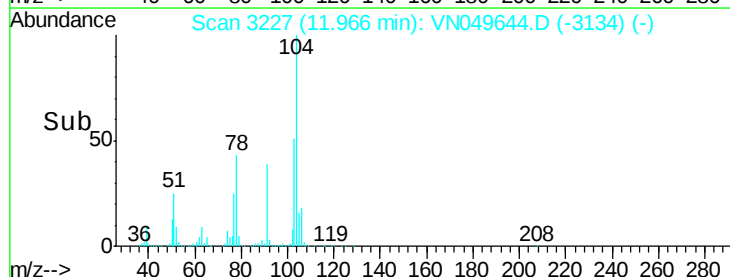
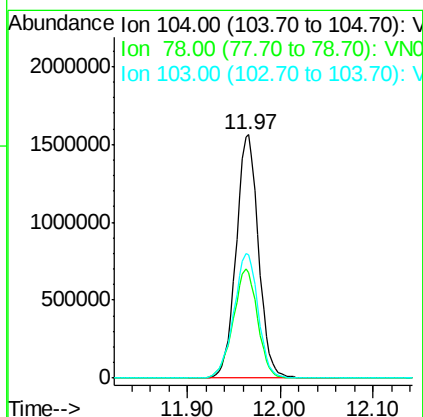
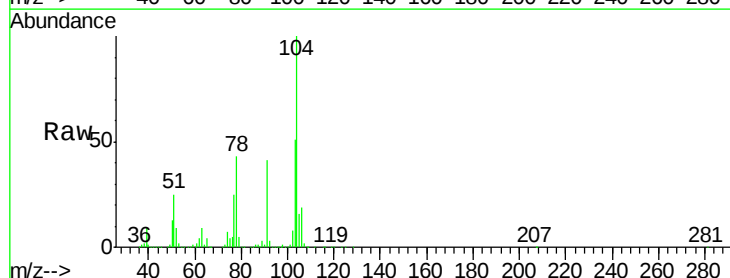
Instrument :
MSVOA_N
ClientSampled :

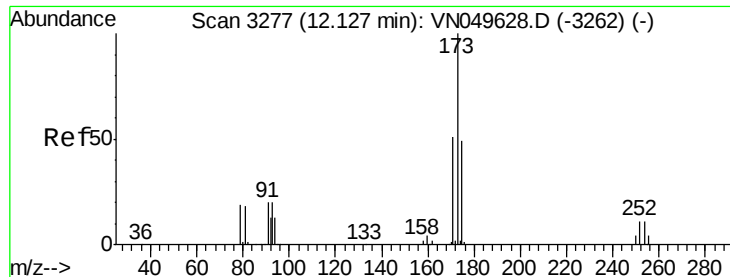
Tot Ion:106 Resp: 1579427
Ion Ratio Lower Upper
106 100
91 214.1 108.7 326.1



#70
Styrene
Concen: 52.00 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion:104 Resp: 2608389
Ion Ratio Lower Upper
104 100
78 49.1 39.2 58.8
103 55.7 44.6 67.0





#71

Bromoform

Concen: 48.95 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

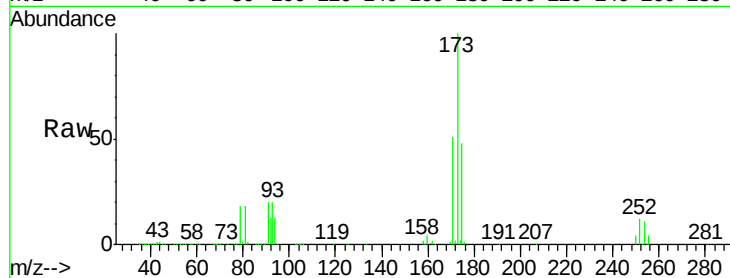
Tot Ion:173 Resp: 597334

Ion Ratio Lower Upper

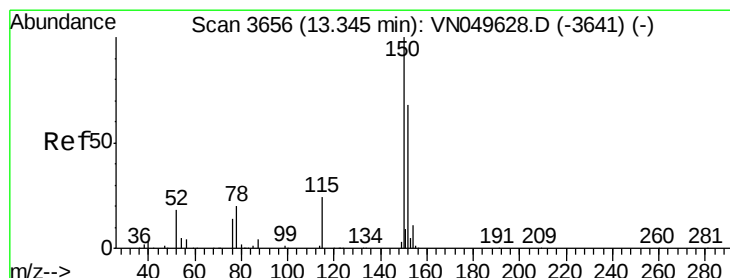
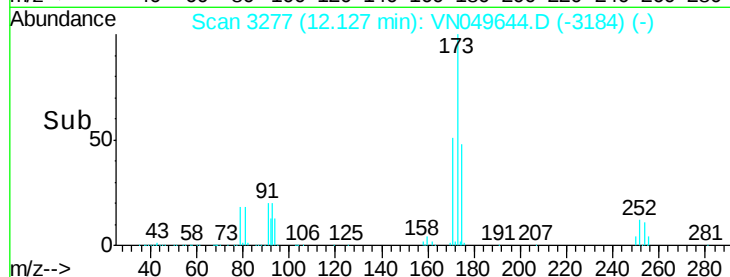
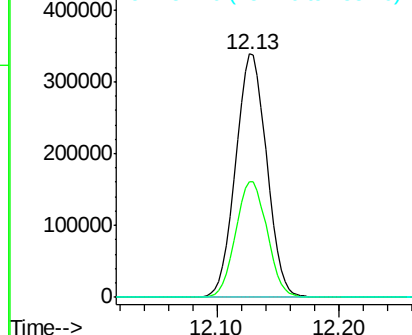
173 100

175 48.3 24.6 73.8

254 0.1 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

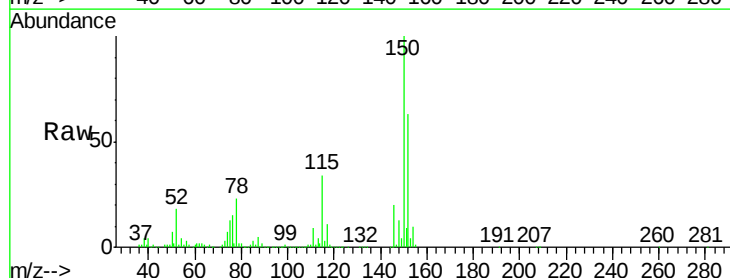
Tgt Ion:152 Resp: 1095007

Ion Ratio Lower Upper

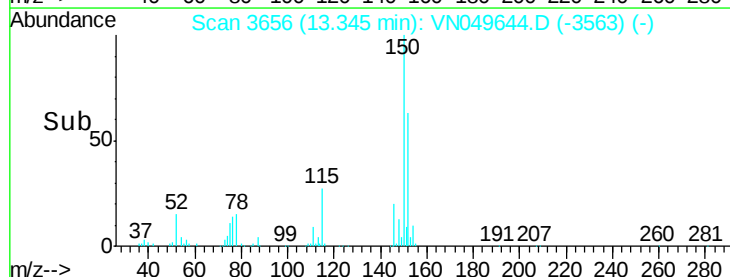
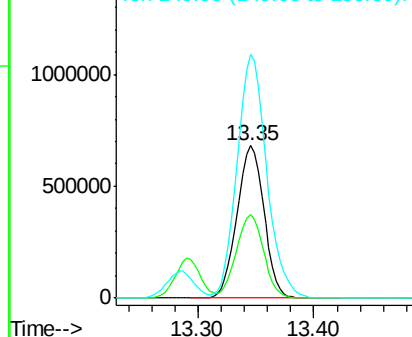
152 100

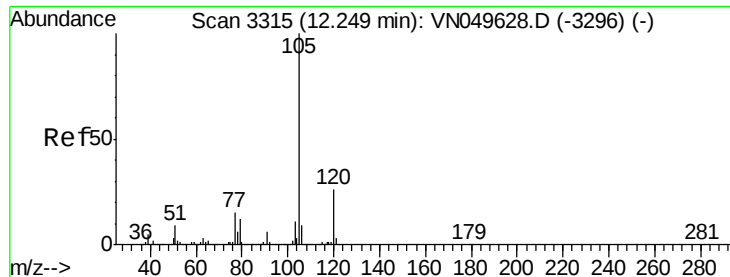
115 55.2 28.1 84.2

150 175.4 0.0 347.6



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: 48.27 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

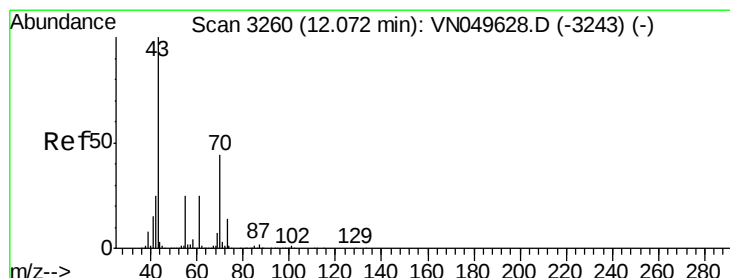
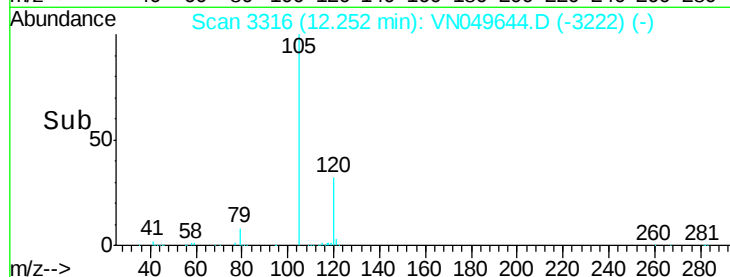
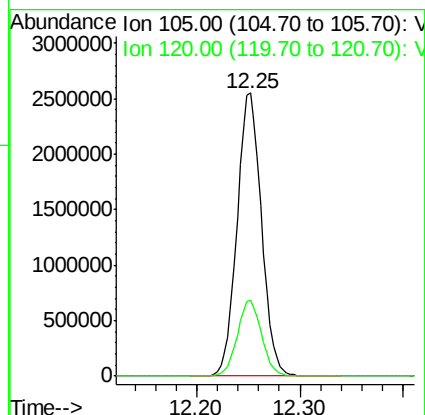
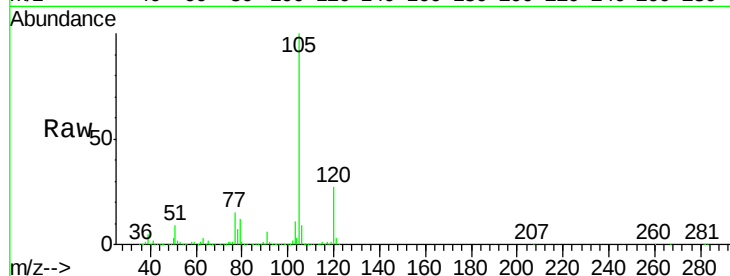
ClientSampled :

Tot Ion:105 Resp: 4209893

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 45.18 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Tgt Ion: 43 Resp: 1076350

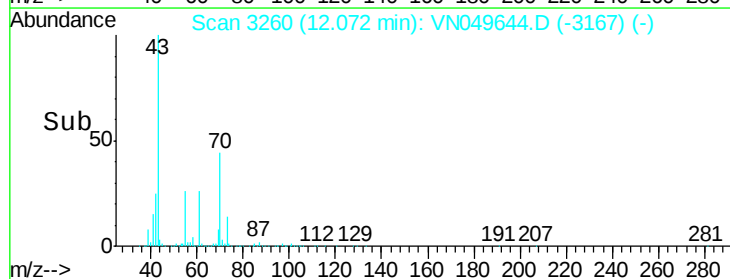
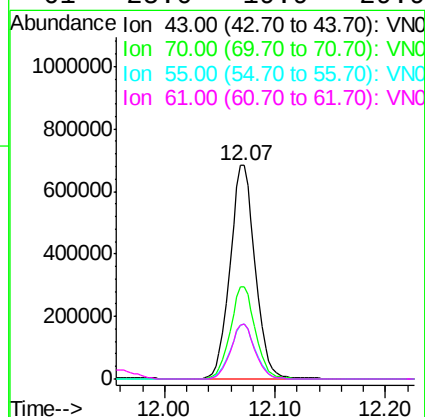
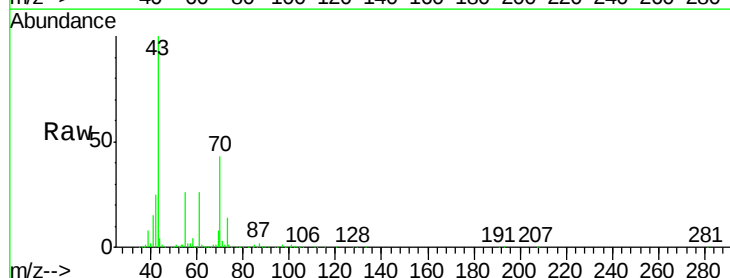
Ion Ratio Lower Upper

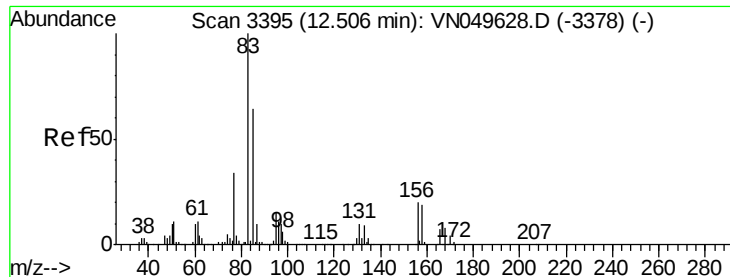
43 100

70 43.0 34.8 52.2

55 25.9 20.9 31.3

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.79 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

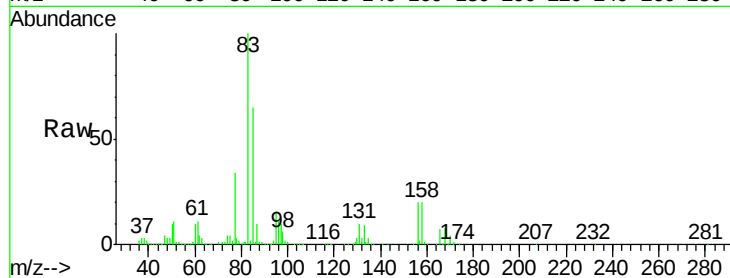
Tot Ion: 83 Resp: 849247

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 65.2 32.5 97.4



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

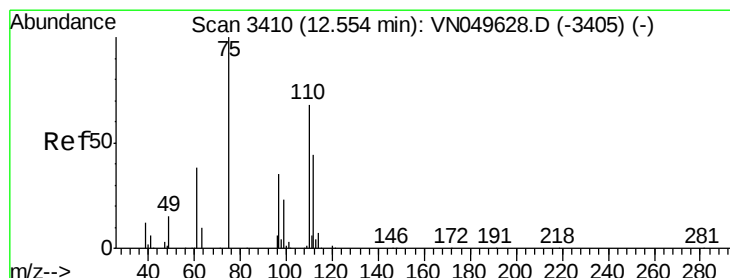
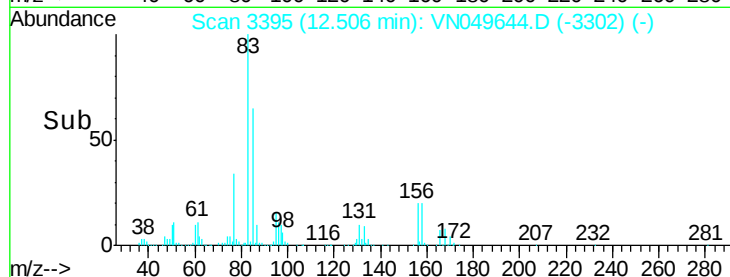
12.51

400000

200000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 64.69 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049644.D

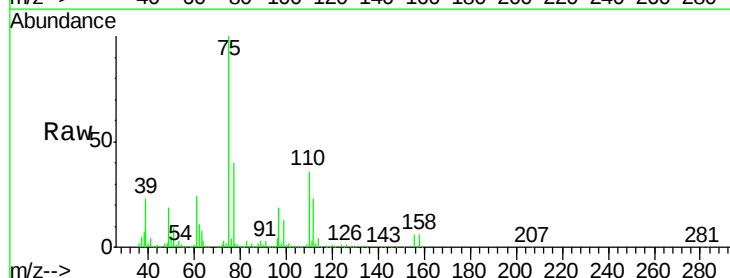
Acq: 30 Jun 2018 11:52

Tgt Ion: 75 Resp: 1136058

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

1000000

800000

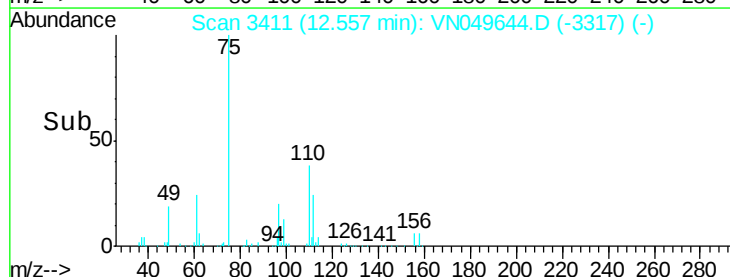
600000

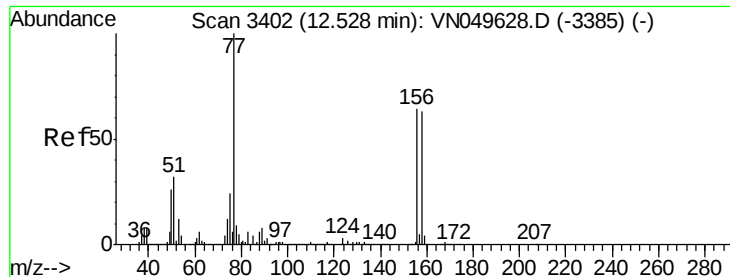
400000

200000

0

Time-->





#77

Bromobenzene

Concen: 44.53 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

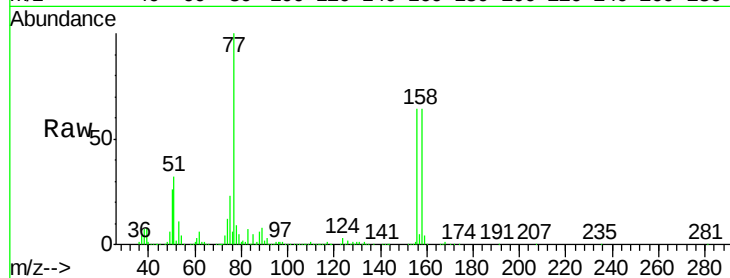
Tot Ion:156 Resp: 1056251

Ion Ratio Lower Upper

156 100

77 178.2 90.2 270.6

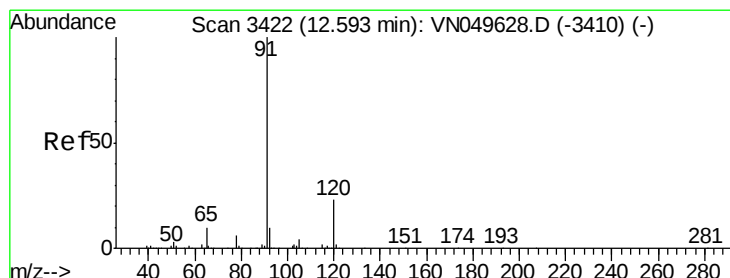
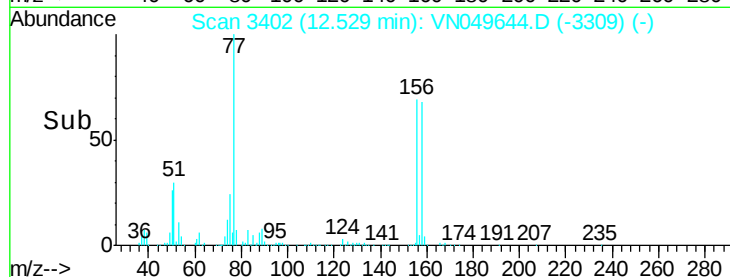
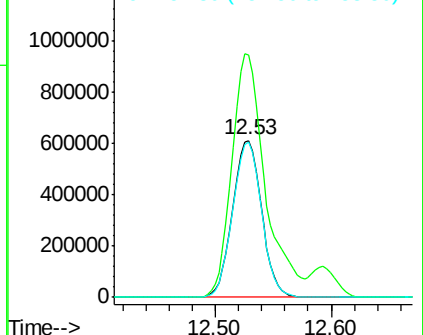
158 98.4 49.1 147.3



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: 49.44 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049644.D

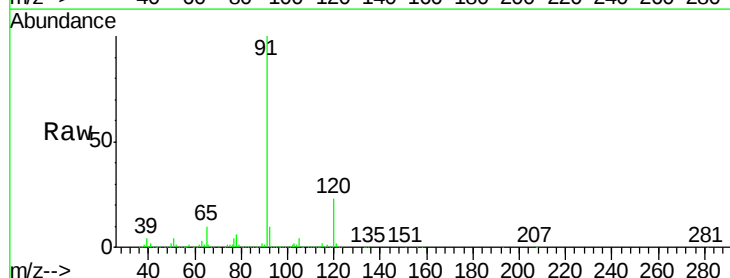
Acq: 30 Jun 2018 11:52

Tgt Ion: 91 Resp: 4942561

Ion Ratio Lower Upper

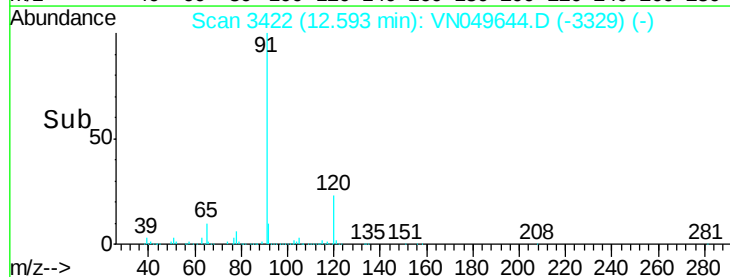
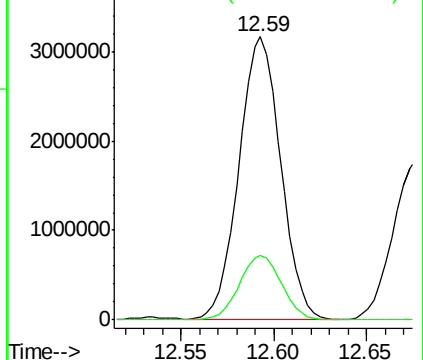
91 100

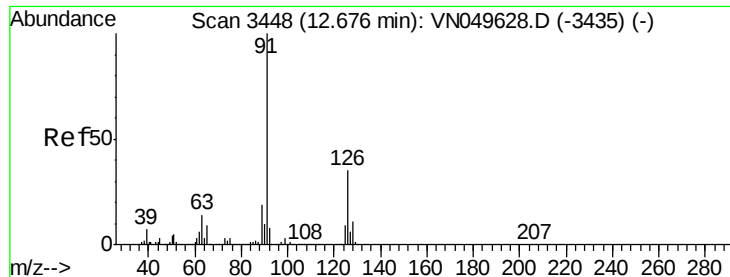
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

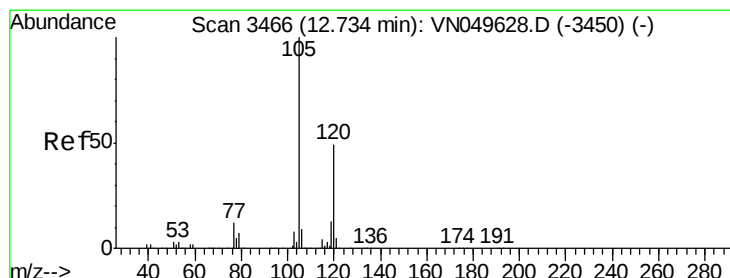
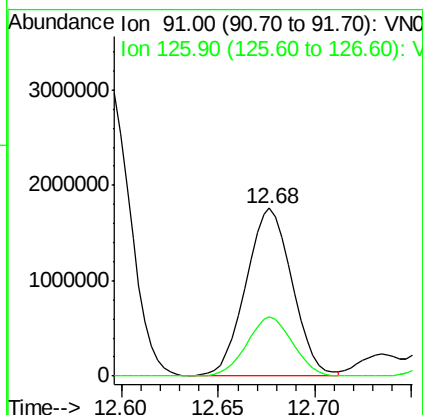
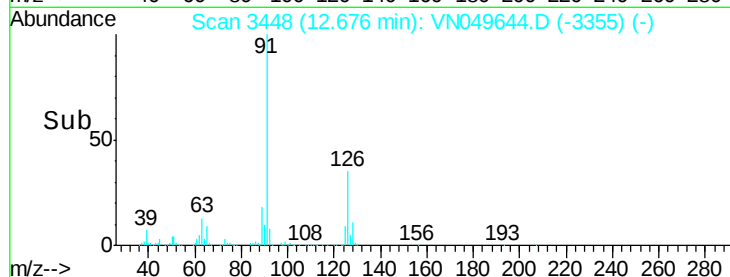
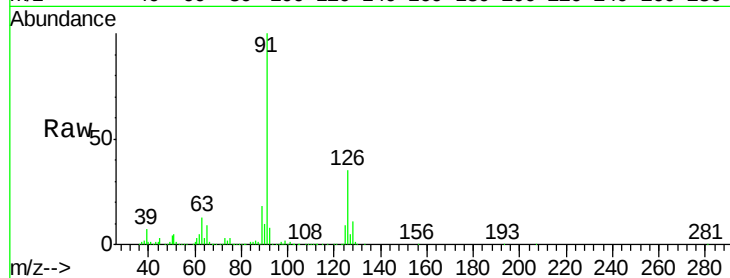
ClientSampleId :

Tot Ion: 91 Resp: 2910463

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 49.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049644.D

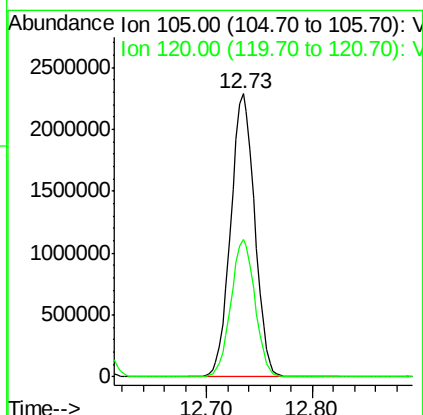
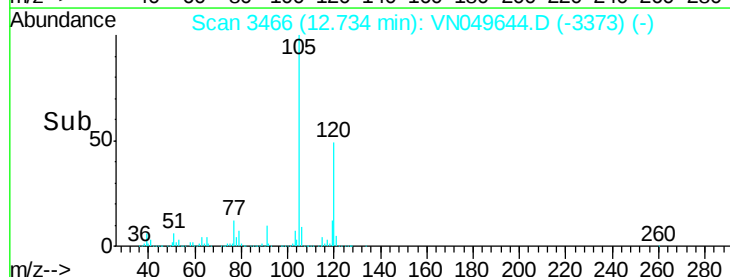
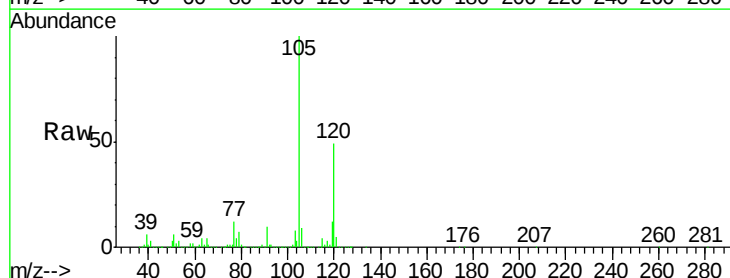
Acq: 30 Jun 2018 11:52

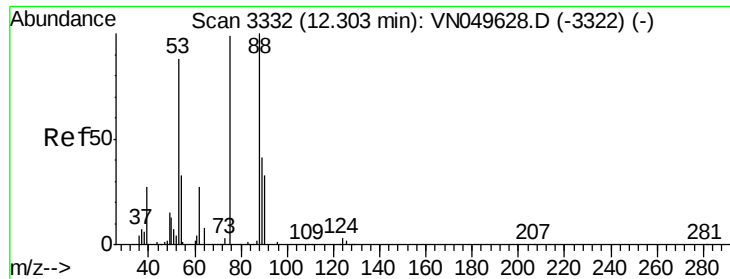
Tgt Ion: 105 Resp: 3582761

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8

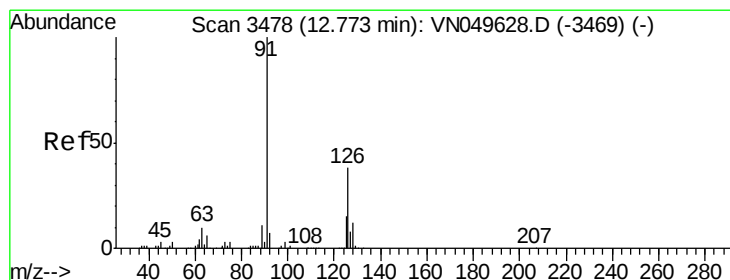
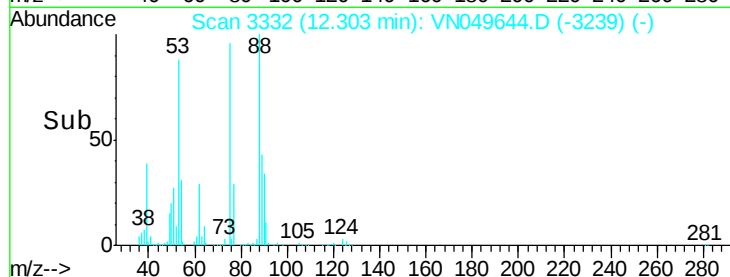
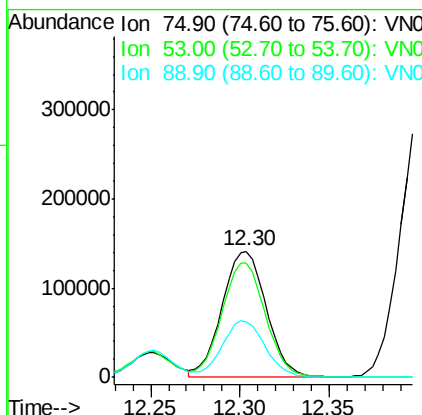
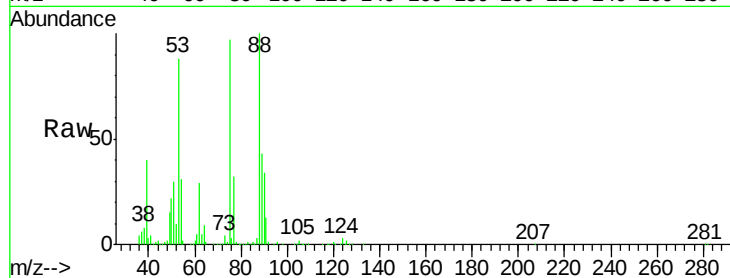




#81
trans-1,4-Dichloro-2-butene
Concen: 46.43 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

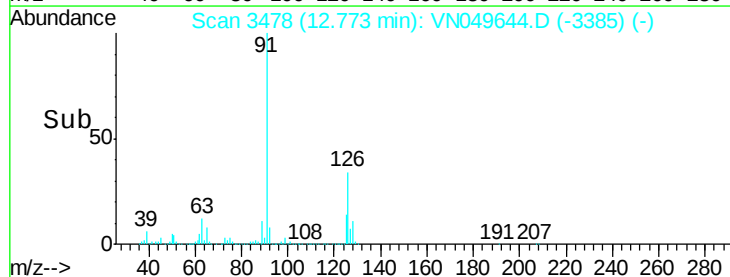
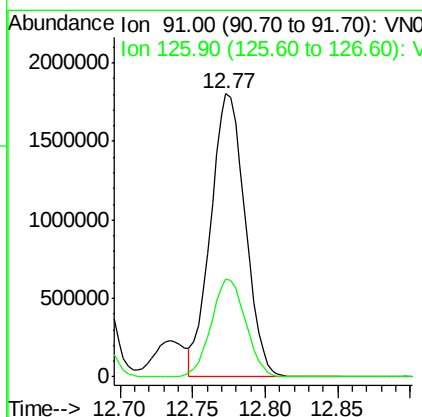
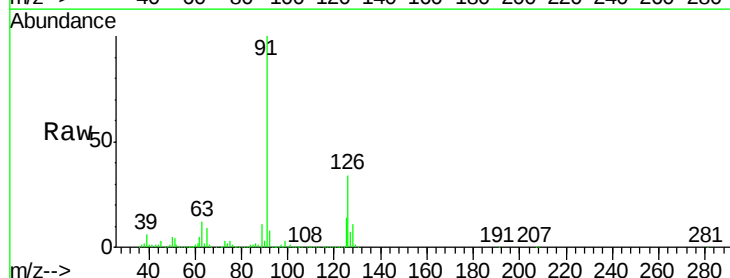
Instrument :
MSVOA_N
ClientSampled :

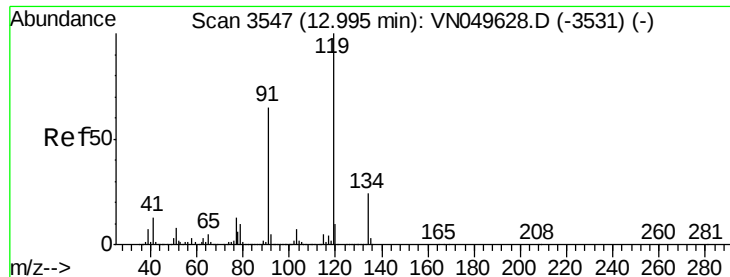
Tot Ion: 75 Resp: 240065
Ion Ratio Lower Upper
75 100
53 90.8 73.9 110.9
89 44.5 35.9 53.9



#82
4-Chlorotoluene
Concen: 46.82 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 91 Resp: 2978609
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 48.50 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

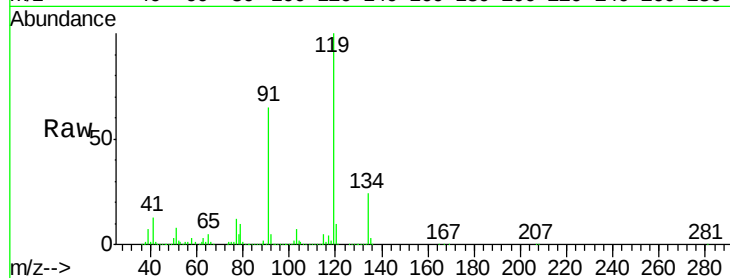
Tot Ion:119 Resp: 3020019

Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.0	96.2
134	25.7	12.8	38.4

119 100

91 64.0 32.0 96.2

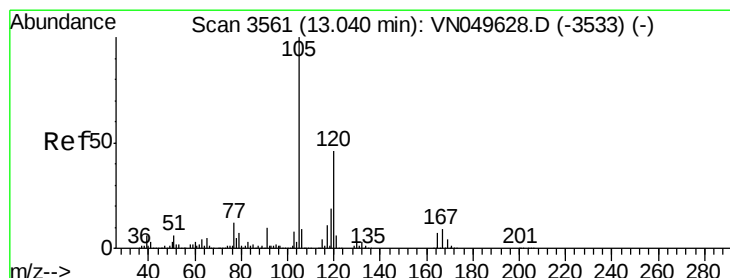
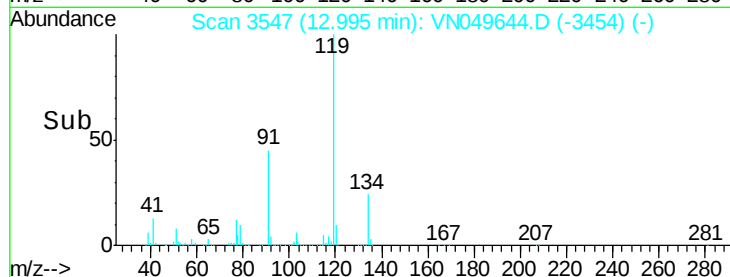
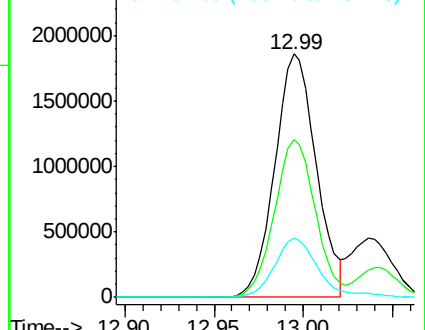
134 25.7 12.8 38.4



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: 49.28 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049644.D

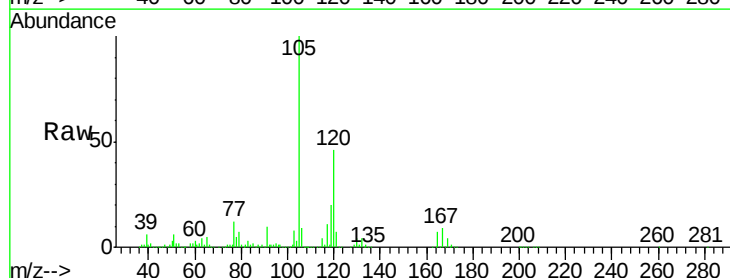
Acq: 30 Jun 2018 11:52

Tgt Ion:105 Resp: 3670130

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.7	68.1

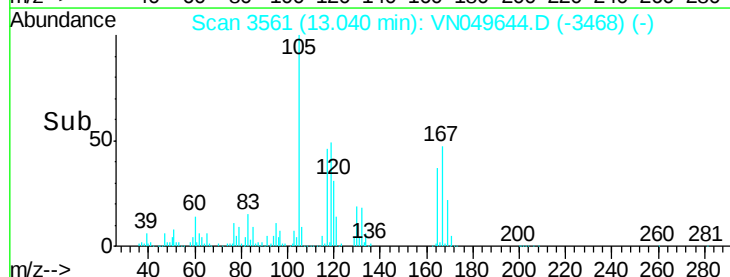
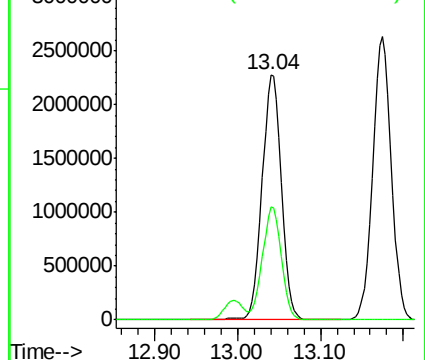
105 100

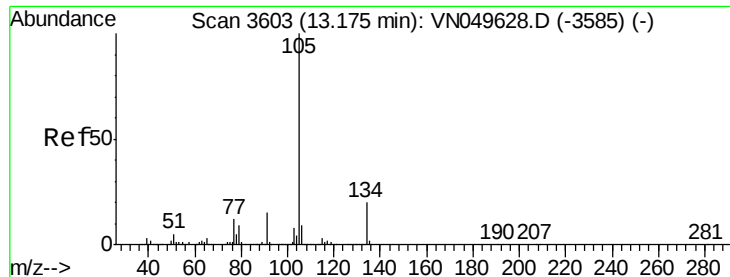
120 45.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.19 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

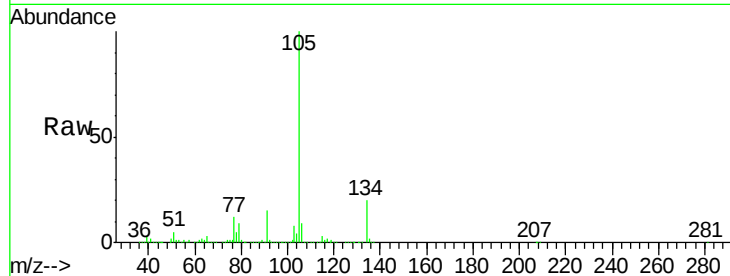
ClientSampled :

Tot Ion:105 Resp: 4140424

Ion Ratio Lower Upper

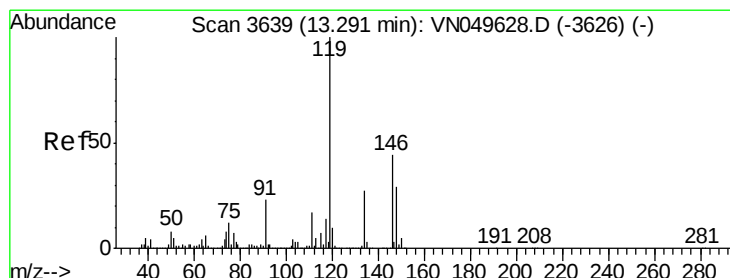
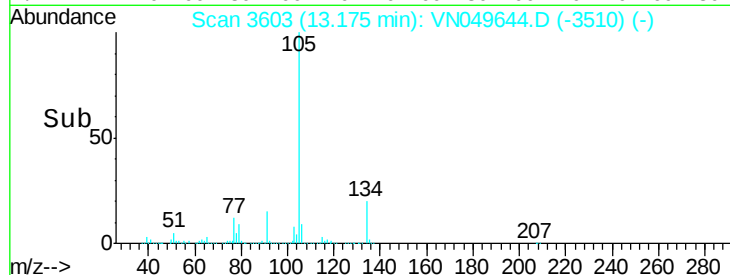
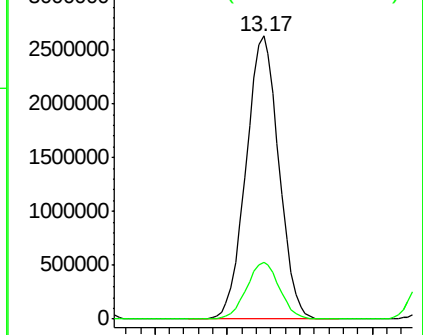
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.55 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

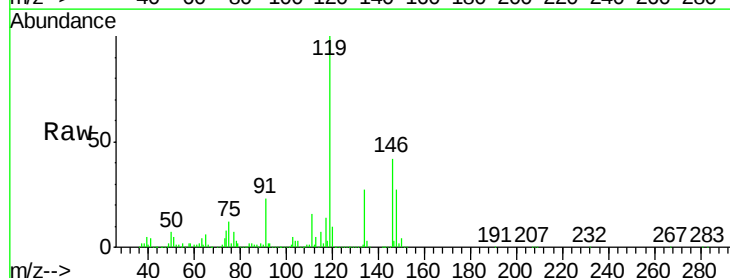
Tgt Ion:119 Resp: 3683509

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

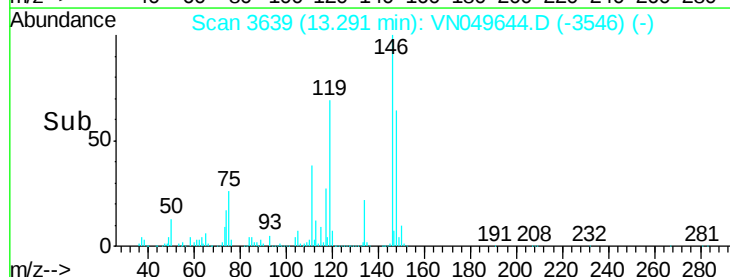
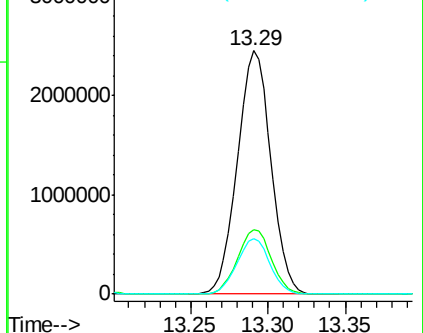
91 22.5 11.4 34.1

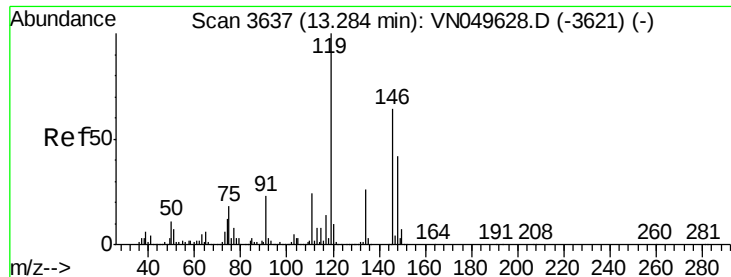


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



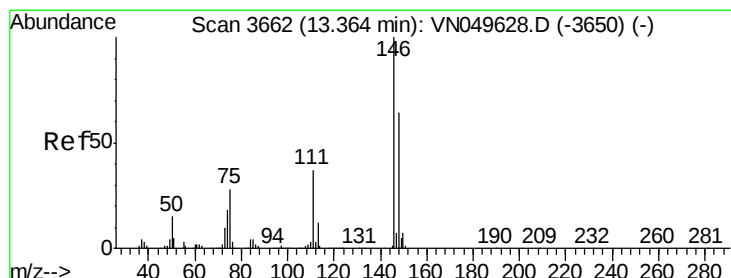
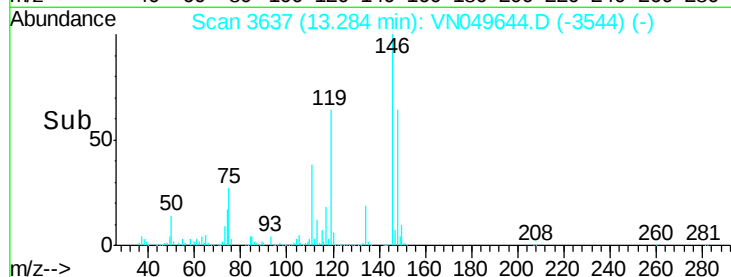
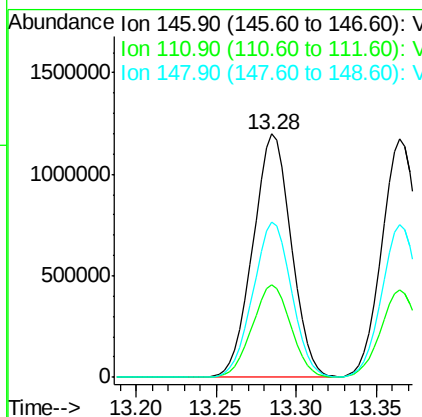
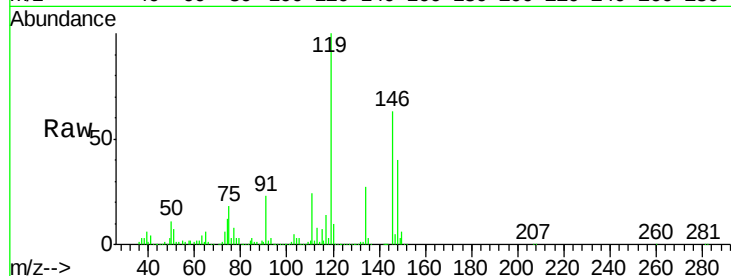


#87
 1,3-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1976167

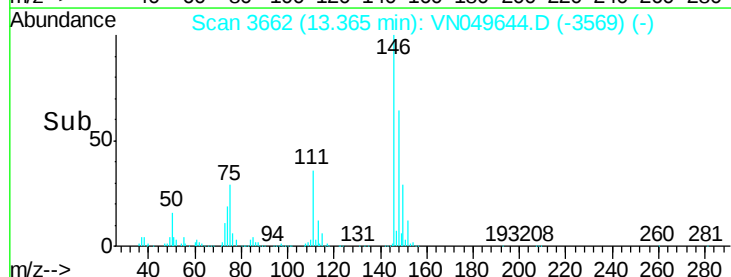
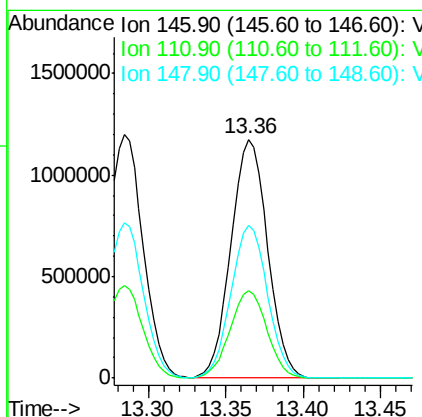
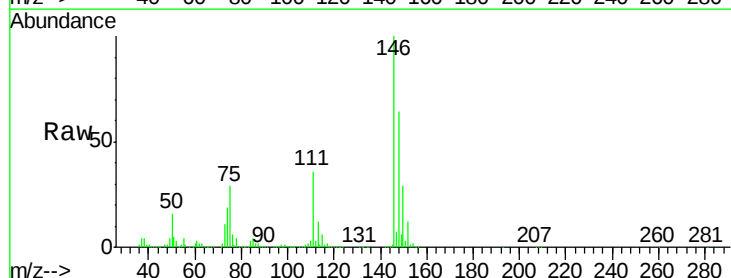
Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.0	32.5	97.5

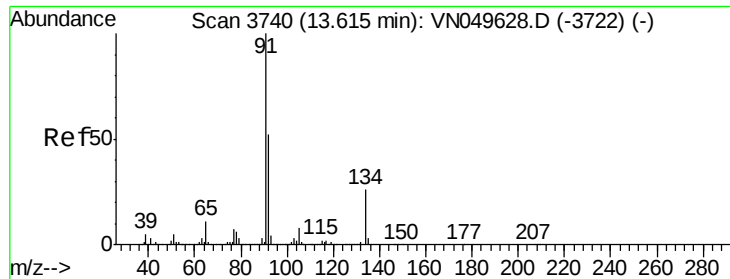


#88
 1,4-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion:146 Resp: 1930801

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	64.0	32.1	96.3

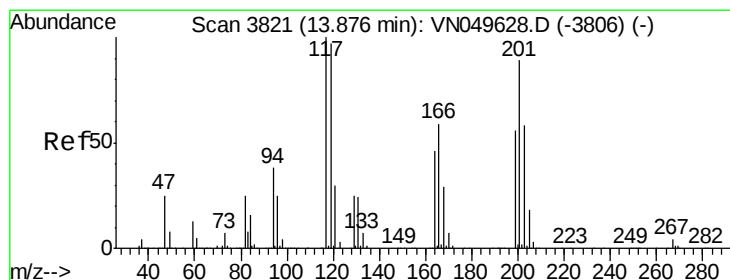
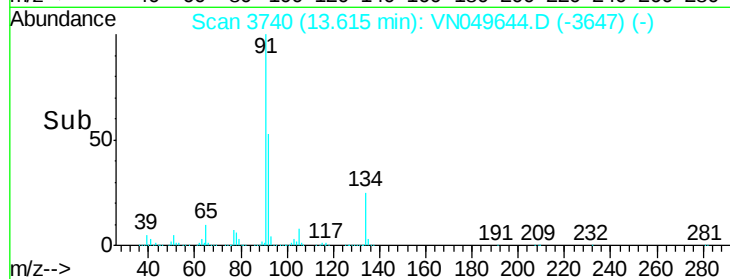
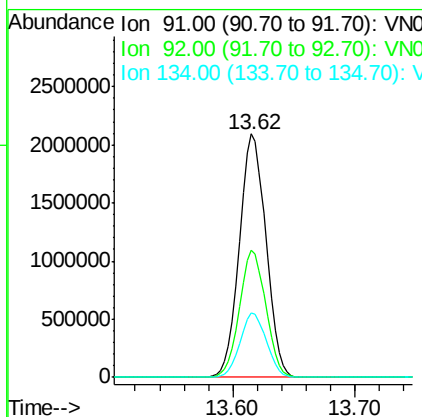
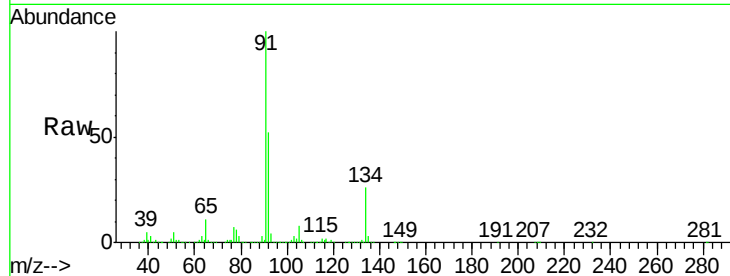




#89
n-Butylbenzene
Concen: 51.30 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

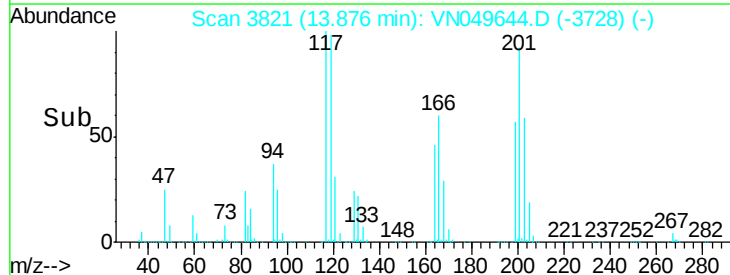
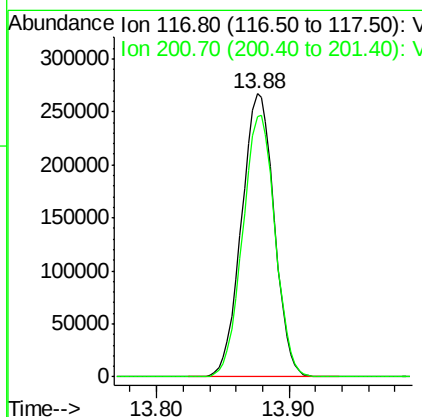
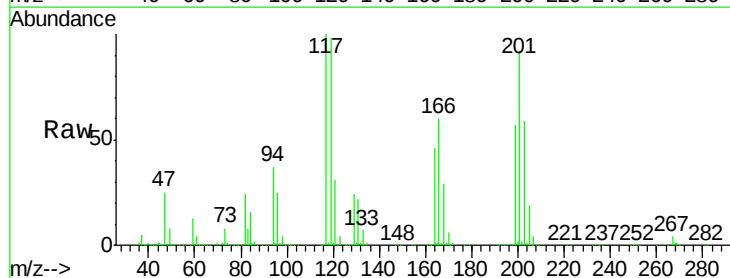
Instrument :
MSVOA_N
ClientSampled :

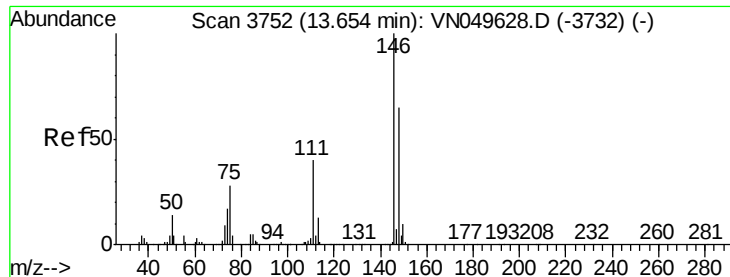
Tot Ion: 91 Resp: 3138367
Ion Ratio Lower Upper
91 100
92 51.8 25.8 77.3
134 26.2 13.0 38.9



#90
Hexachloroethane
Concen: 60.75 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049644.D
Acq: 30 Jun 2018 11:52

Tgt Ion: 117 Resp: 455939
Ion Ratio Lower Upper
117 100
201 91.9 45.3 135.8

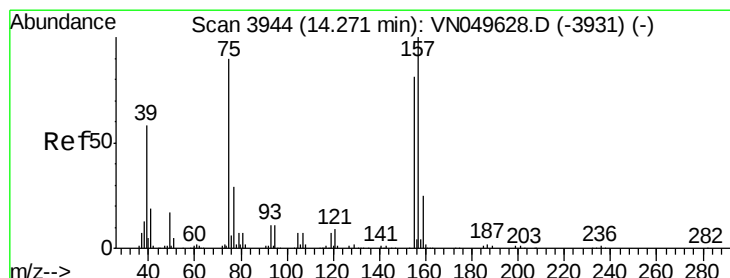
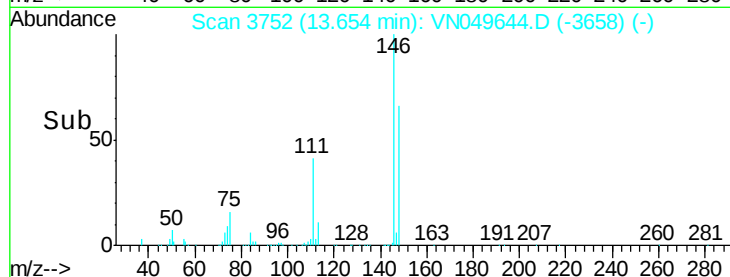
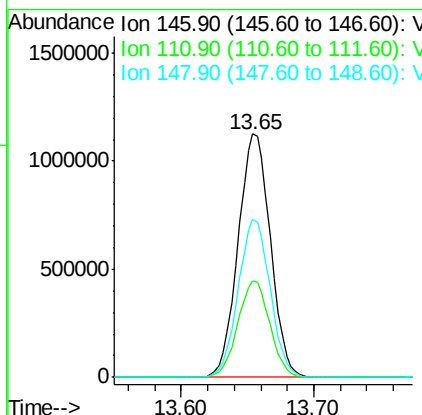
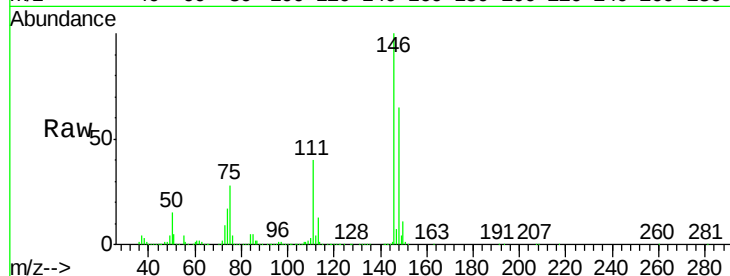




#91
 1,2-Dichlorobenzene
 Concen: 49.26 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

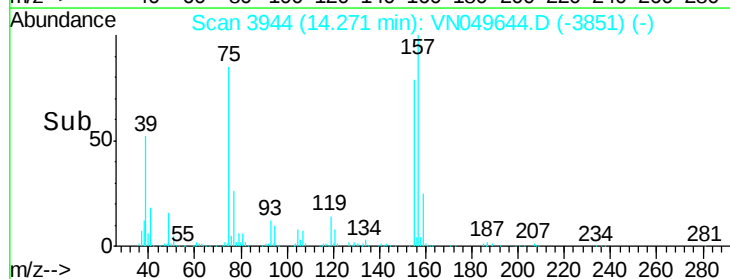
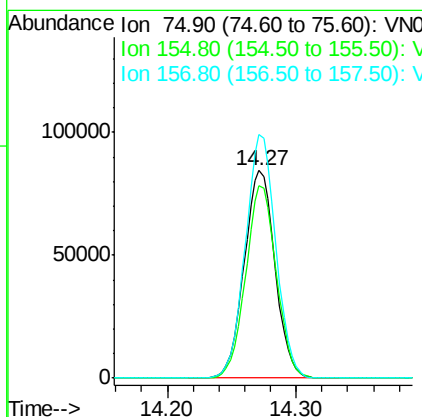
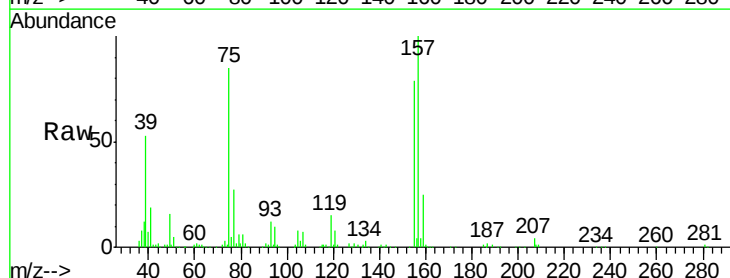
Instrument :
 MSVOA_N
 ClientSampled :

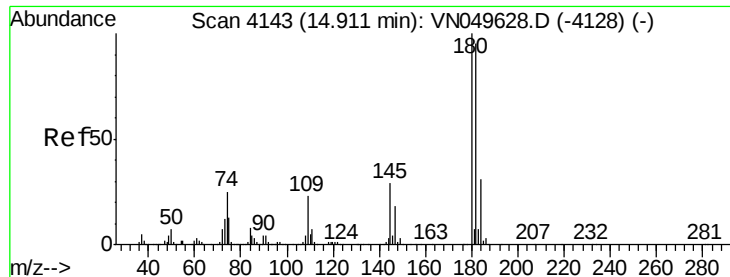
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.4	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.18 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	45.7	137.1
157	116.0	56.9	170.7

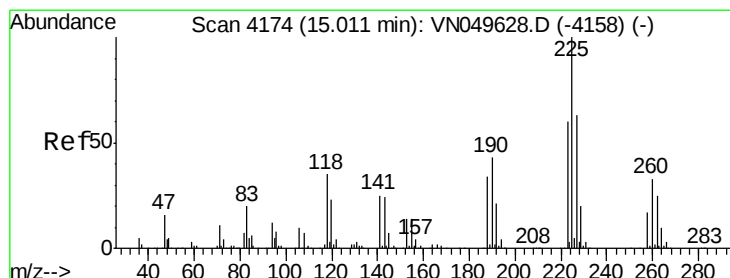
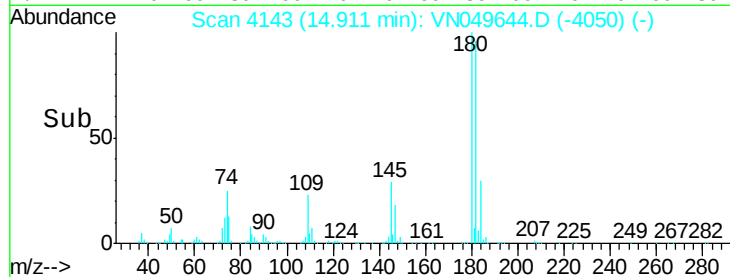
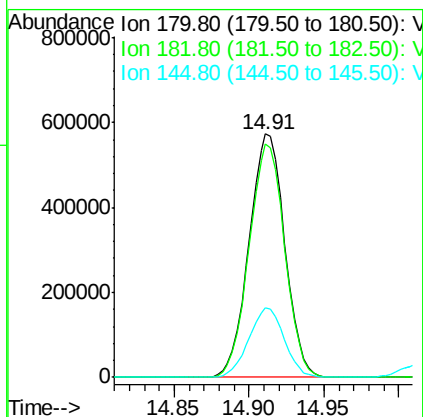
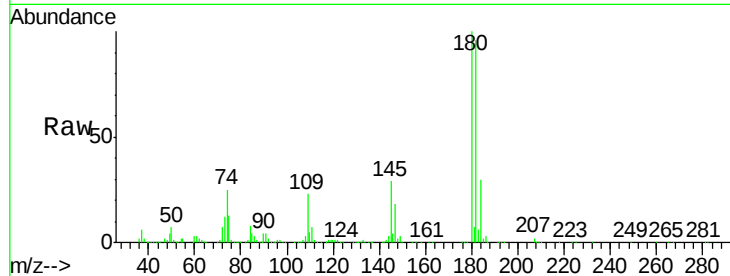




#93
 1,2,4-Trichlorobenzene
 Concen: 47.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

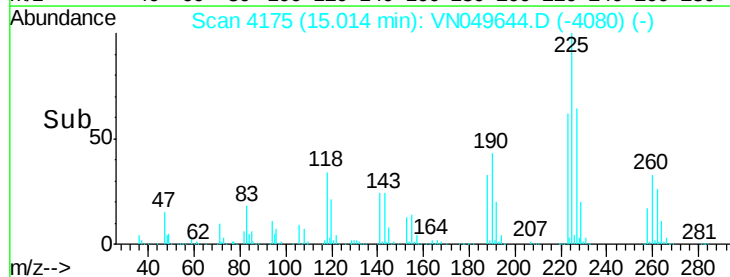
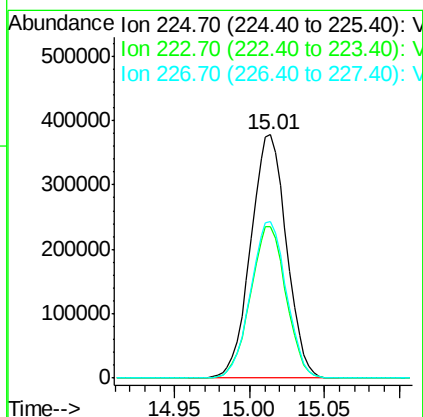
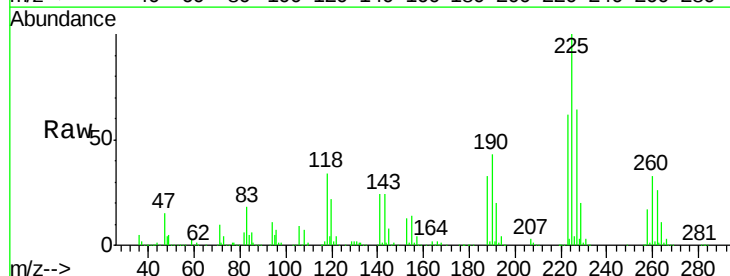
Instrument :
 MSVOA_N
 ClientSampleId :

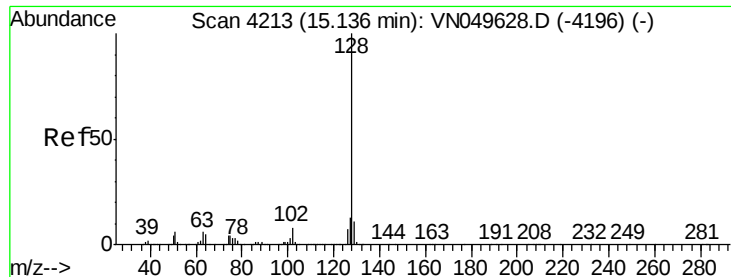
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	28.5	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 54.14 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049644.D
 Acq: 30 Jun 2018 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.9	92.7
227	64.5	31.8	95.4





#95

Naphthalene

Concen: 43.68 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

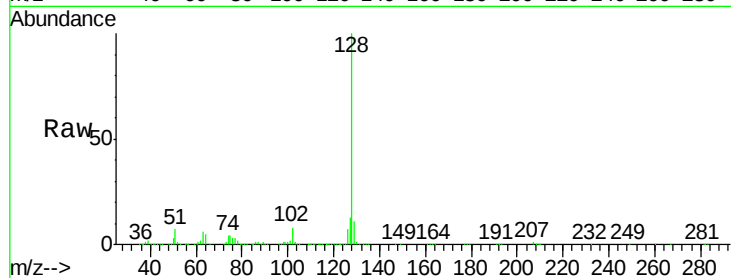
Tot Ion:128 Resp: 1917873

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

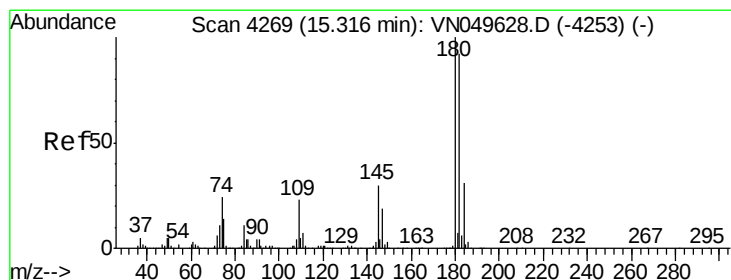
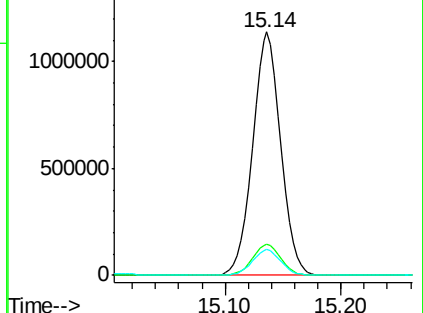
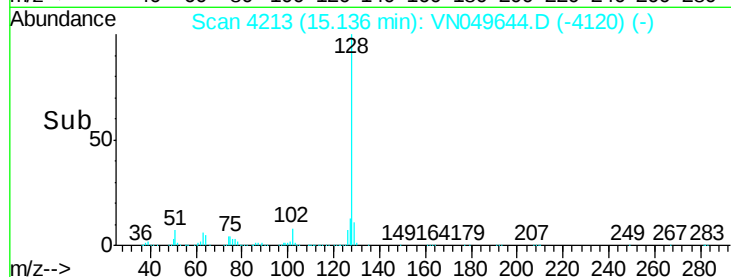
129 10.8 8.6 13.0



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: 47.34 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049644.D

Acq: 30 Jun 2018 11:52

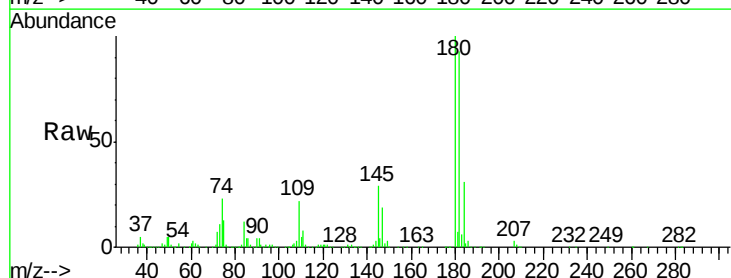
Tgt Ion:180 Resp: 905275

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.2

145 30.4 15.2 45.6



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

