

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049960.D
 Acq On : 20 Jul 2018 14:11
 Operator : MD\SY
 Sample : VN0720WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Quant Time: Jul 20 23:46:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	554772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	838105	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	755944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	386289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420417	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
35) Dibromofluoromethane	7.59	113	367798	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	1339489	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	441455	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101140	19.11	ug/l	96
3) Chloromethane	2.06	50	136809	18.07	ug/l	99
4) Vinyl Chloride	2.18	62	147913	18.31	ug/l	99
5) Bromomethane	2.56	94	87332	18.12	ug/l	97
6) Chloroethane	2.70	64	96917	18.37	ug/l	98
7) Trichlorofluoromethane	3.01	101	207742	18.71	ug/l	100
8) Diethyl Ether	3.41	74	75990	19.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	133694	19.53	ug/l	97
10) Methyl Iodide	3.95	142	137614	14.98	ug/l	99
11) Tert butyl alcohol	4.81	59	54220	99.81	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	115509	19.21	ug/l	99
13) Acrolein	3.61	56	25364	72.46	ug/l	92
14) Allyl chloride	4.32	41	185551	19.57	ug/l	98
15) Acrylonitrile	5.00	53	245138	102.61	ug/l	98
16) Acetone	3.82	43	198202	100.40	ug/l	97
17) Carbon Disulfide	4.05	76	297205	16.51	ug/l	98
18) Methyl Acetate	4.33	43	149748	23.70	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347164	20.98	ug/l	98
20) Methylene Chloride	4.55	84	143576	19.12	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123138	19.28	ug/l	96
22) Diisopropyl ether	5.96	45	421702	21.80	ug/l	99
23) Vinyl Acetate	5.90	43	1404964	103.49	ug/l	99
24) 1,1-Dichloroethane	5.85	63	253154	20.38	ug/l	99
25) 2-Butanone	6.84	43	298776	105.89	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207236	21.44	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	144425	20.61	ug/l	99
28) Bromochloromethane	7.19	49	115358	20.56	ug/l	99
29) Tetrahydrofuran	7.22	42	186323	104.83	ug/l	99
30) Chloroform	7.37	83	264070	20.71	ug/l	99
31) Cyclohexane	7.65	56	193093	19.10	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	217190	19.71	ug/l	98
36) 1,1-Dichloropropene	7.79	75	176415	18.93	ug/l	99
37) Ethyl Acetate	6.94	43	129476	20.23	ug/l	99
38) Carbon Tetrachloride	7.78	117	190753	19.11	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049960.D
 Acq On : 20 Jul 2018 14:11
 Operator : MD\SY
 Sample : VN0720WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Quant Time: Jul 20 23:46:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	173338	18.01	ug/l	95
40) Benzene	8.04	78	554226	19.51	ug/l	99
41) Methacrylonitrile	7.17	41	65054	20.28	ug/l	94
42) 1,2-Dichloroethane	8.13	62	189913	20.19	ug/l	100
43) Isopropyl Acetate	8.17	43	247981	22.18	ug/l	98
44) Trichloroethene	8.84	130	144884	19.45	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154977	20.23	ug/l	98
46) Dibromomethane	9.21	93	94409	19.87	ug/l	98
47) Bromodichloromethane	9.40	83	200740	20.43	ug/l	99
48) Methyl methacrylate	9.20	41	110992	19.79	ug/l	98
49) 1,4-Dioxane	9.20	88	31023	389.96	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	657546	105.22	ug/l	99
52) Toluene	10.16	92	345514	20.39	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193418	19.91	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	219864	20.47	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	139197	19.89	ug/l	98
56) Ethyl methacrylate	10.43	69	162005	18.65	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223344	20.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	395956	95.88	ug/l	98
59) 2-Hexanone	10.75	43	433017	103.16	ug/l	96
60) Dibromochloromethane	10.90	129	150734	19.64	ug/l	100
61) 1,2-Dibromoethane	11.01	107	129316	19.77	ug/l	99
64) Tetrachloroethene	10.63	164	136436	20.08	ug/l	98
65) Chlorobenzene	11.44	112	376219	19.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	147194	20.01	ug/l	99
67) Ethyl Benzene	11.51	91	611267	19.84	ug/l	99
68) m/p-Xylenes	11.62	106	477491	40.94	ug/l	99
69) o-Xylene	11.95	106	228050	20.36	ug/l	98
70) Styrene	11.97	104	374480	20.64	ug/l	100
71) Bromoform	12.13	173	105181	19.99	ug/l #	99
73) Isopropylbenzene	12.25	105	607689	20.71	ug/l	100
74) N-amyl acetate	12.07	43	179299	20.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	177430	20.18	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	213441	29.46	ug/l #	100
77) Bromobenzene	12.53	156	160767	19.84	ug/l	97
78) n-propylbenzene	12.59	91	696584	20.88	ug/l	100
79) 2-Chlorotoluene	12.68	91	426037	20.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	501304	21.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44686	19.28	ug/l	95
82) 4-Chlorotoluene	12.78	91	431841	21.02	ug/l	99
83) tert-Butylbenzene	12.99	119	425839	20.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	509313	21.38	ug/l	100
85) sec-Butylbenzene	13.17	105	579813	21.24	ug/l	100
86) p-Isopropyltoluene	13.29	119	490316	21.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281966	19.97	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	273506	19.32	ug/l	99
89) n-Butylbenzene	13.62	91	381549	19.86	ug/l	99
90) Hexachloroethane	13.88	117	98955	18.95	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	285015	20.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26800	19.73	ug/l	96

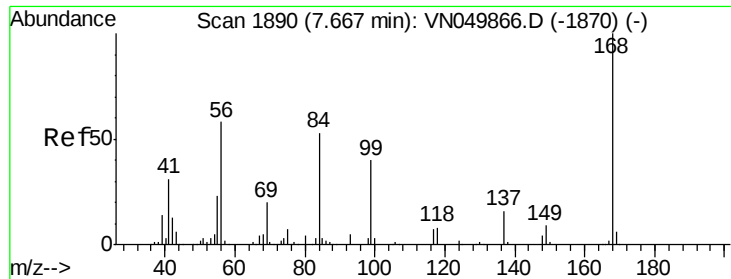
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
Data File : VN049960.D
Acq On : 20 Jul 2018 14:11
Operator : MD\SY
Sample : VN0720WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Quant Time: Jul 20 23:46:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121925	18.30	ug/l	99
94) Hexachlorobutadiene	15.01	225	88437	19.44	ug/l	99
95) Naphthalene	15.14	128	259227	17.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	127441	19.14	ug/l	98

(#) = 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: VN049960.D

Acq: 20 Jul 2018 14:11

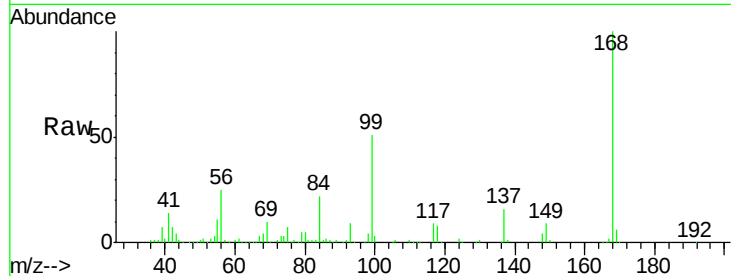
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:168 Resp: 554772

Ion Ratio Lower Upper

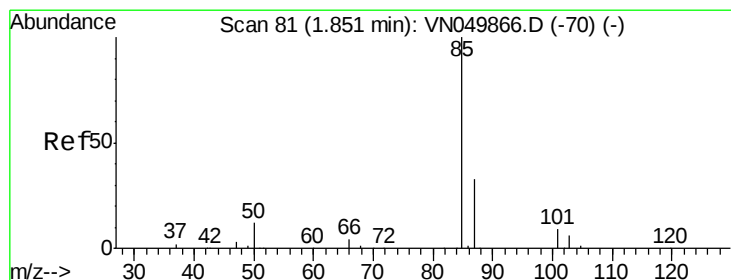
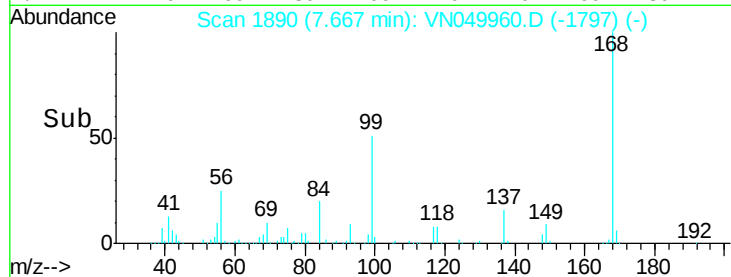
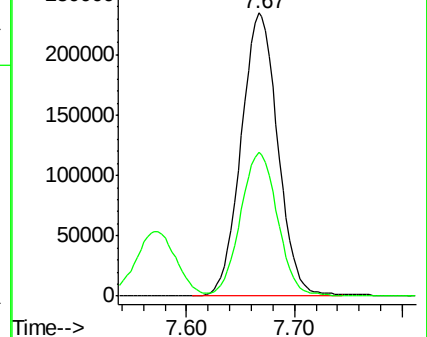
168 100

99 50.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049960.D

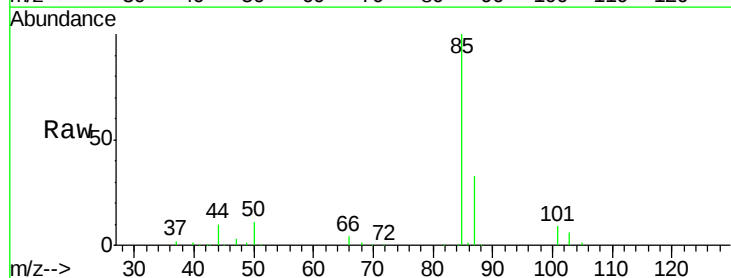
Acq: 20 Jul 2018 14:11

Tgt Ion: 85 Resp: 101140

Ion Ratio Lower Upper

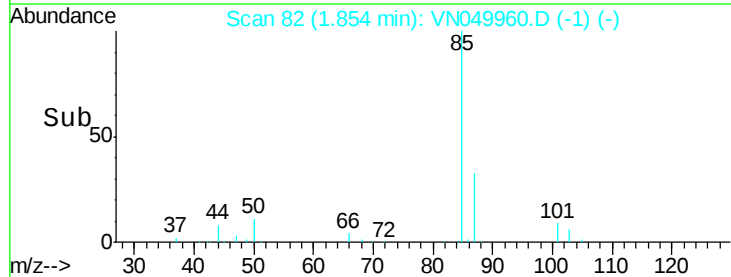
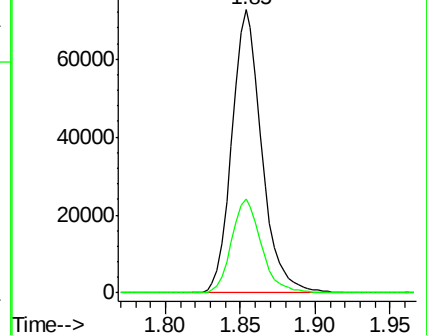
85 100

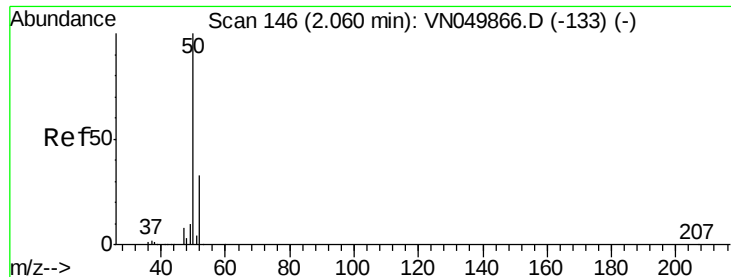
87 33.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.07 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

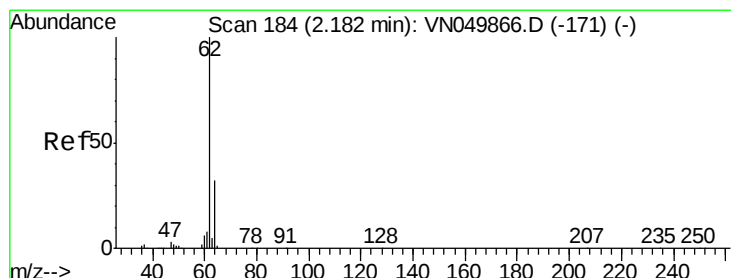
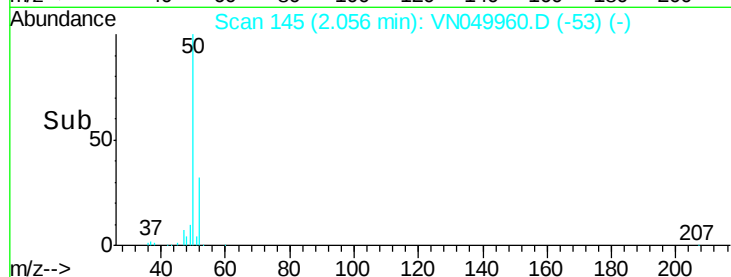
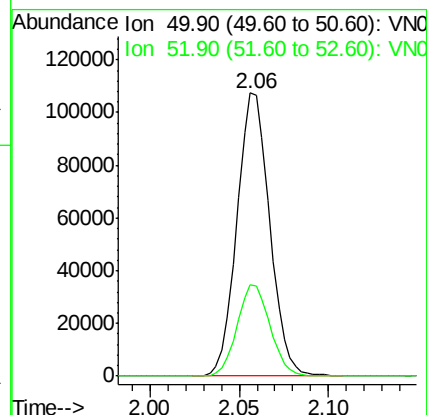
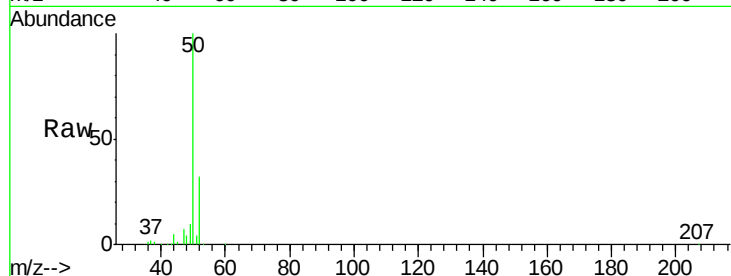
VN0720WBSD01

Tot Ion: 50 Resp: 136809

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



#4

Vinyl Chloride

Concen: 18.31 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049960.D

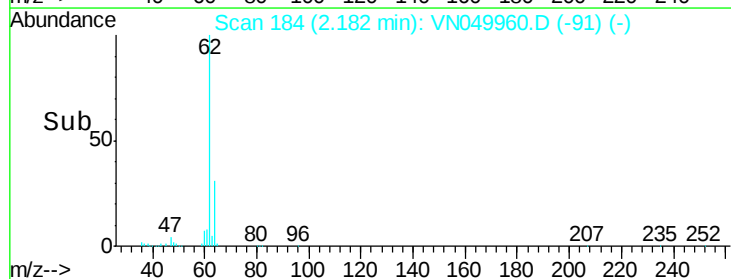
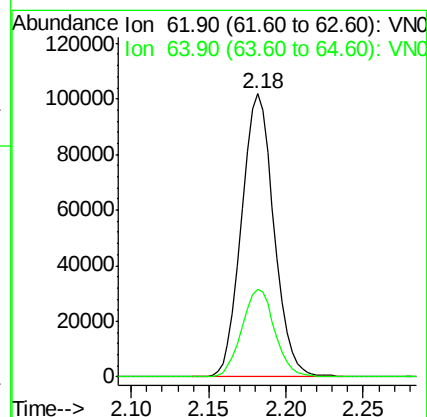
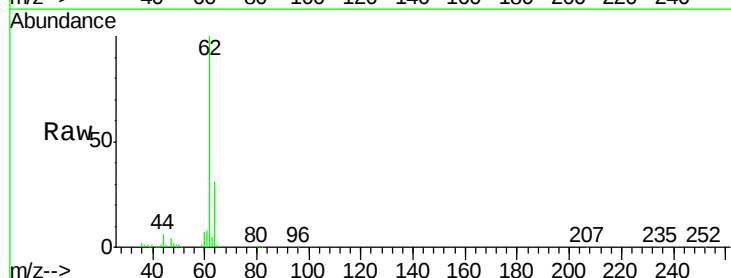
Acq: 20 Jul 2018 14:11

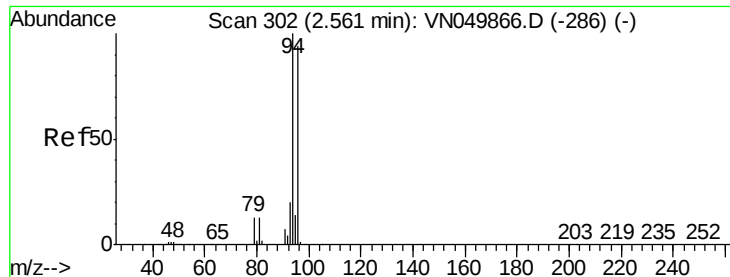
Tgt Ion: 62 Resp: 147913

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 18.12 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

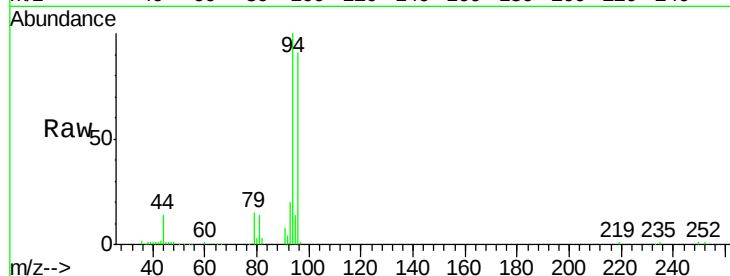
VN0720WBSD01

Tot Ion: 94 Resp: 87332

Ion Ratio Lower Upper

94 100

96 91.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

30000

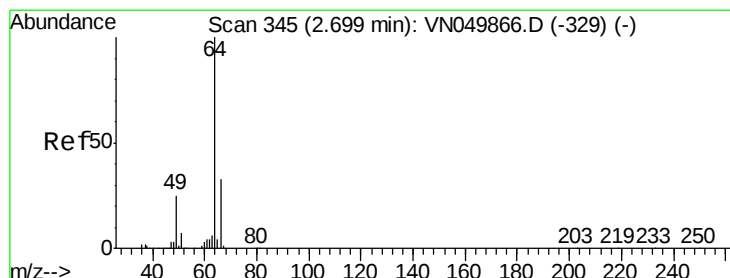
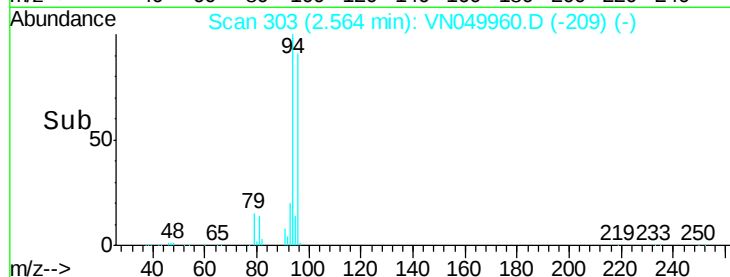
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.37 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049960.D

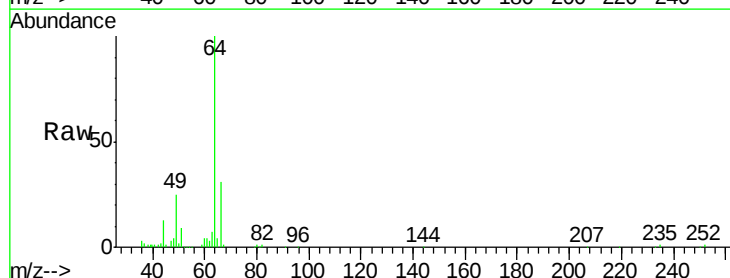
Acq: 20 Jul 2018 14:11

Tgt Ion: 64 Resp: 96917

Ion Ratio Lower Upper

64 100

66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

40000

30000

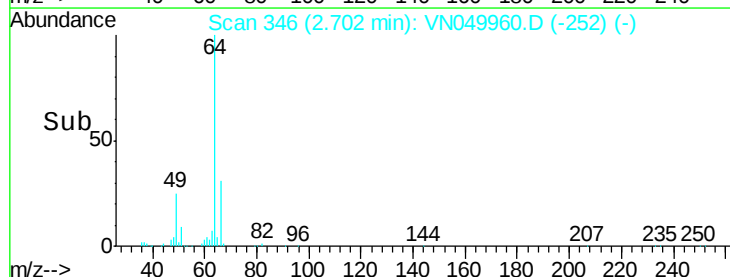
20000

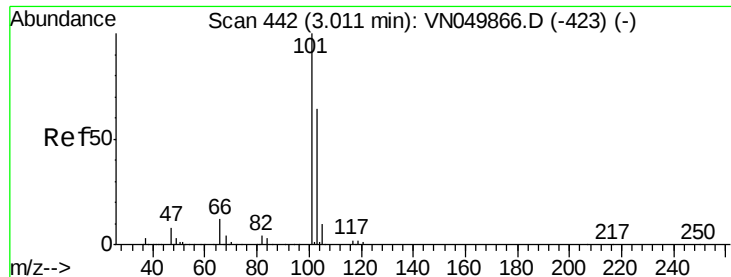
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 18.71 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

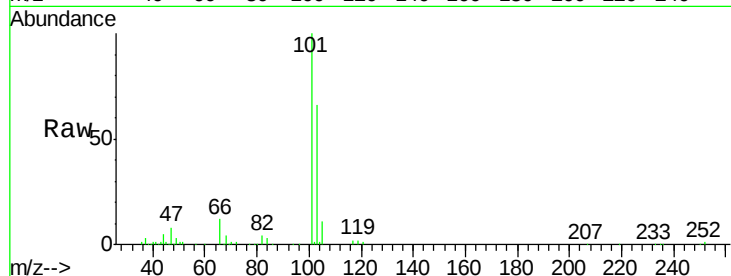
VN0720WBSD01

Tot Ion:101 Resp: 207742

Ion Ratio Lower Upper

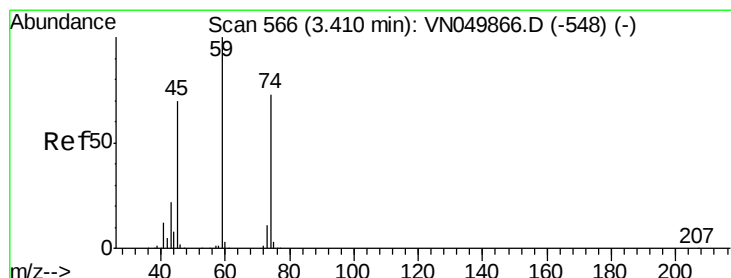
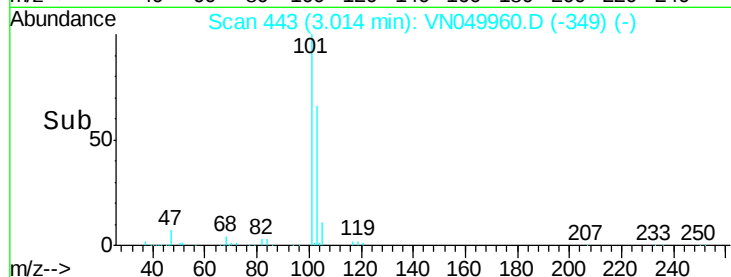
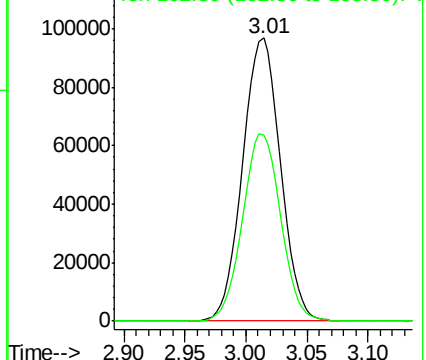
101 100

103 65.9 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.62 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049960.D

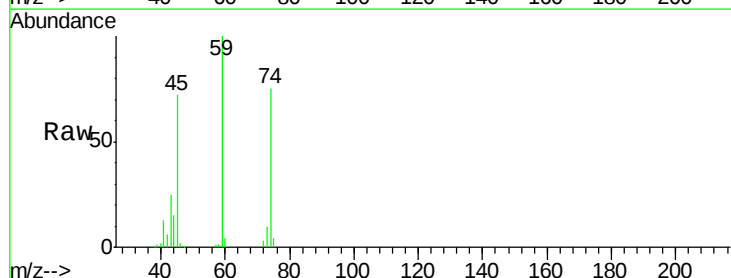
Acq: 20 Jul 2018 14:11

Tgt Ion: 74 Resp: 75990

Ion Ratio Lower Upper

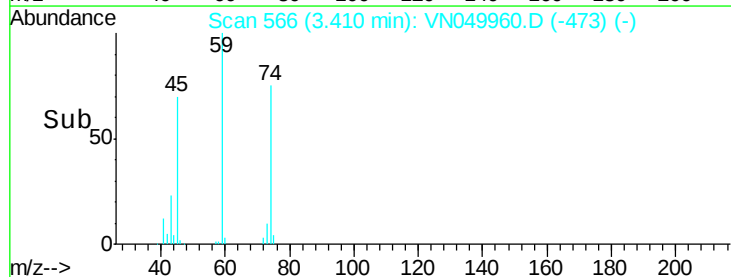
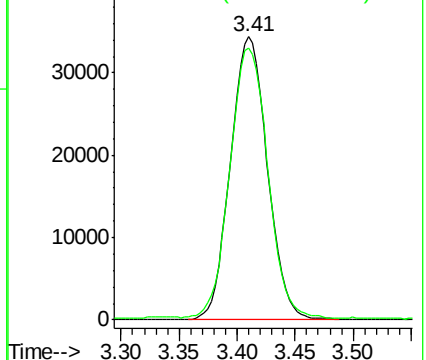
74 100

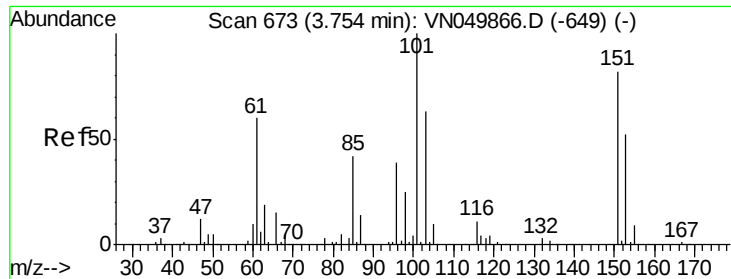
45 97.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.53 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

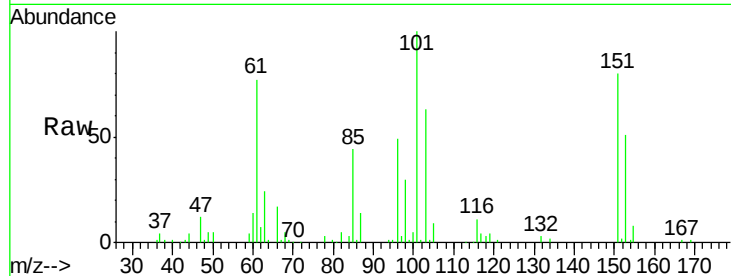
Tot Ion:101 Resp: 133694

Ion Ratio Lower Upper

101 100

85 41.9 34.4 51.6

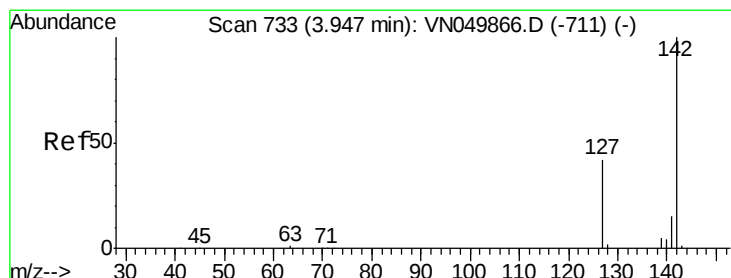
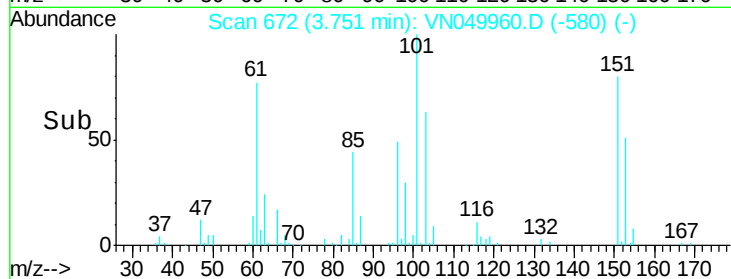
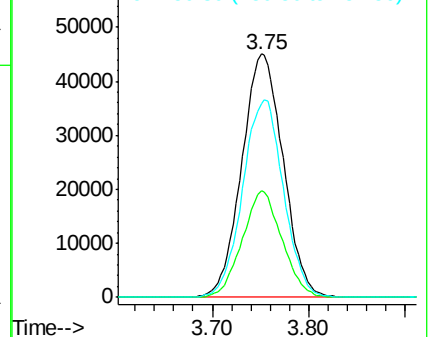
151 80.1 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.98 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

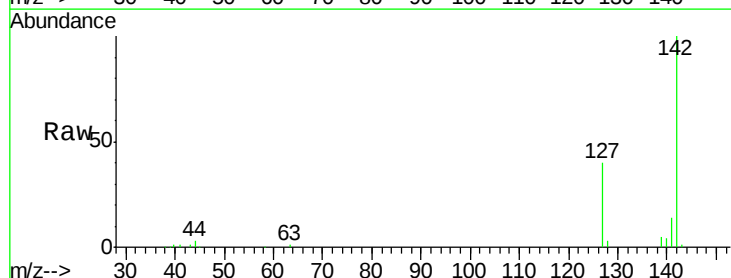
Tgt Ion:142 Resp: 137614

Ion Ratio Lower Upper

142 100

127 41.2 32.5 48.7

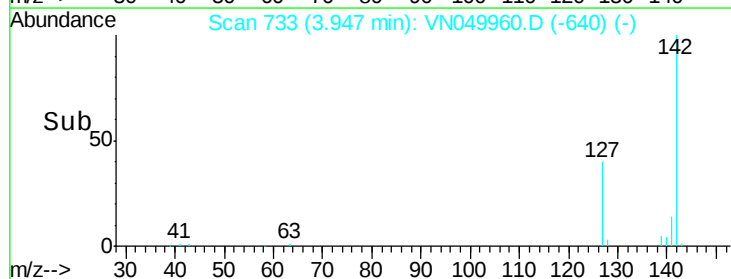
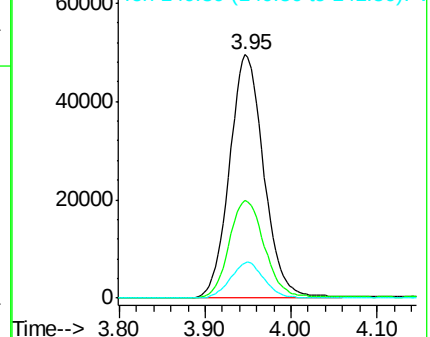
141 14.4 11.1 16.7

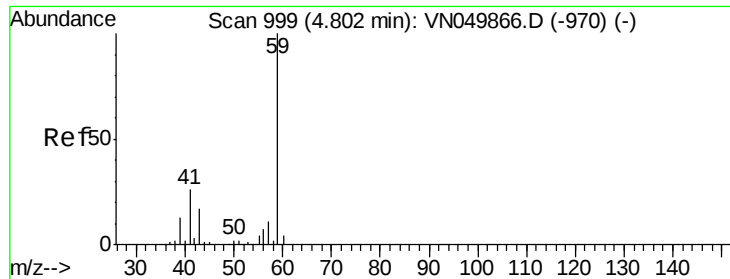


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.81 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

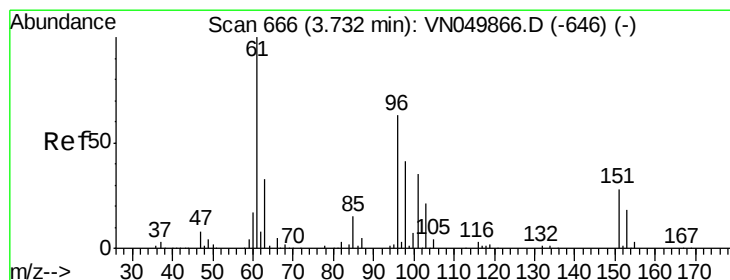
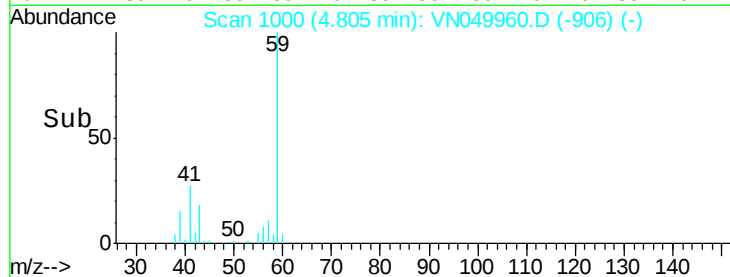
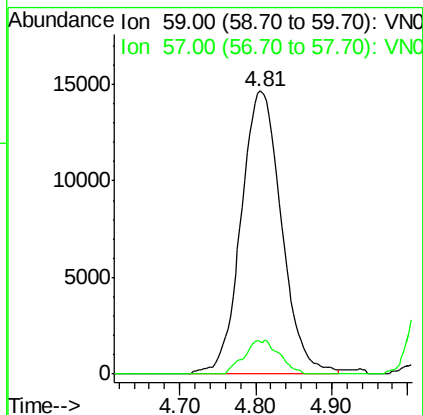
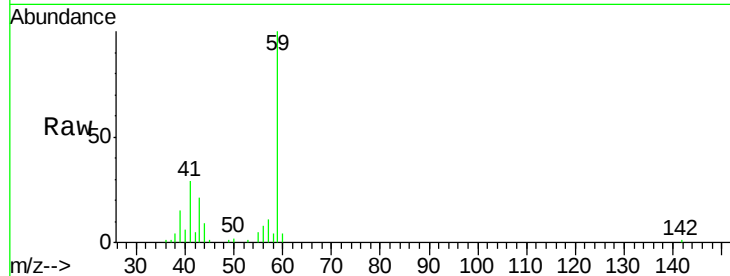
VN0720WBSD01

Tot Ion: 59 Resp: 54220

Ion Ratio Lower Upper

59 100

57 5.5 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 19.21 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

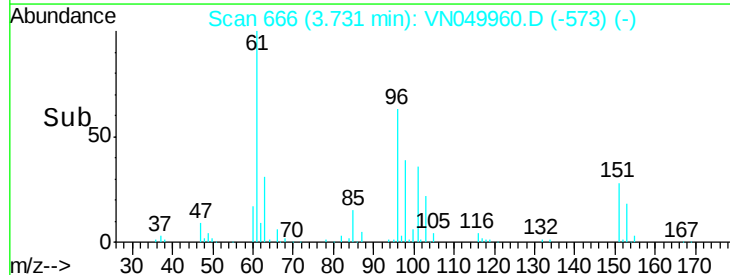
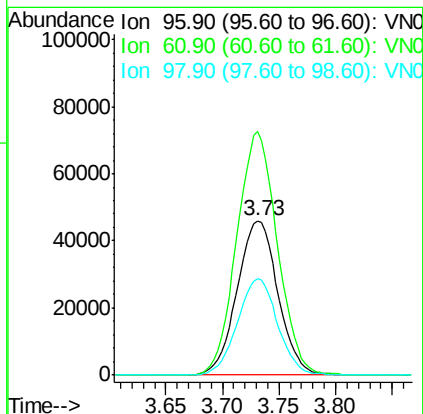
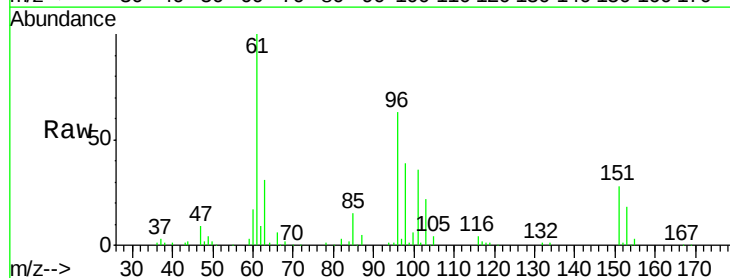
Tgt Ion: 96 Resp: 115509

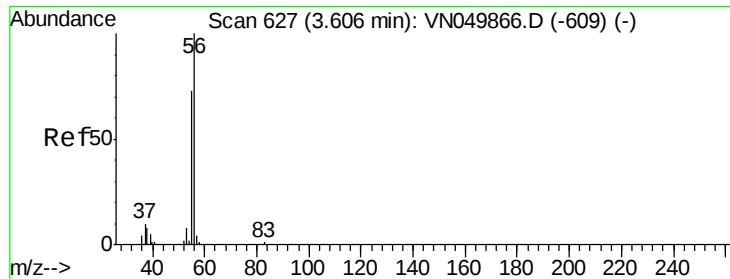
Ion Ratio Lower Upper

96 100

61 157.8 126.5 189.7

98 62.2 51.0 76.6





#13

Acrolein

Concen: 72.46 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

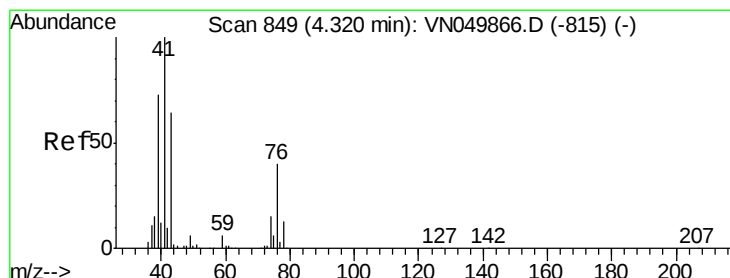
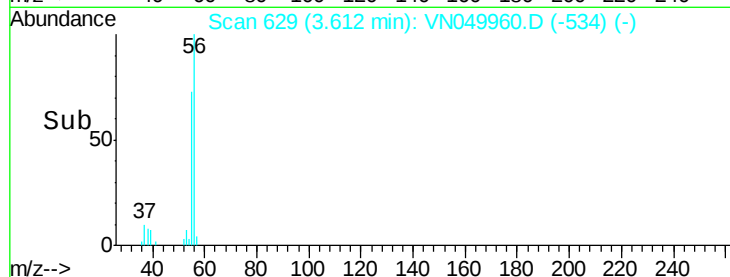
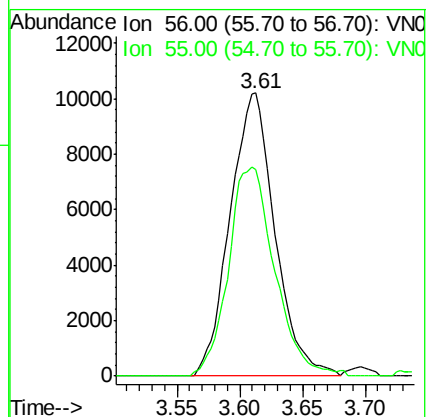
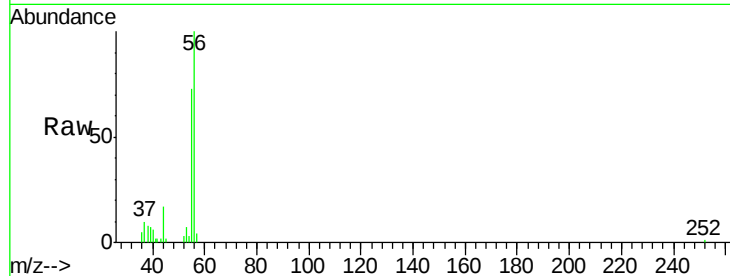
VN0720WBSD01

Tot Ion: 56 Resp: 25364

Ion Ratio Lower Upper

56 100

55 76.3 55.8 83.8



#14

Allyl chloride

Concen: 19.57 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

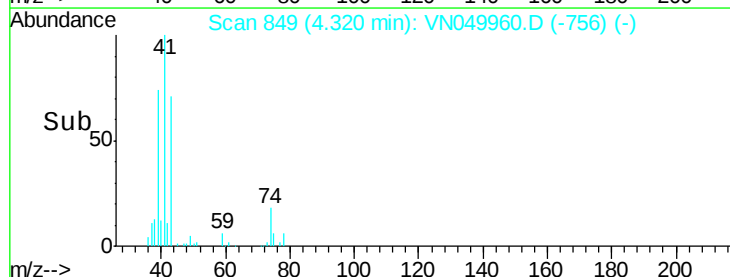
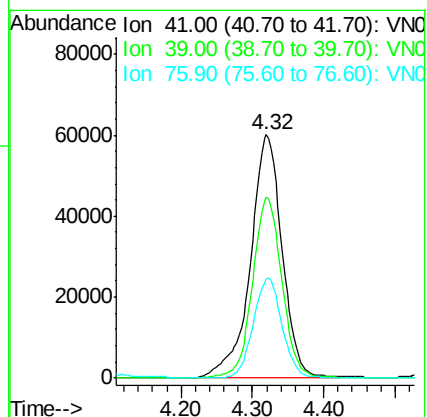
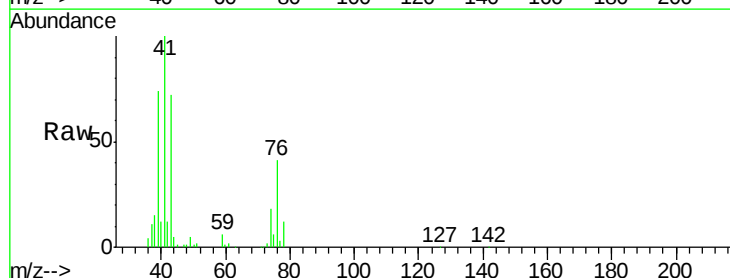
Tgt Ion: 41 Resp: 185551

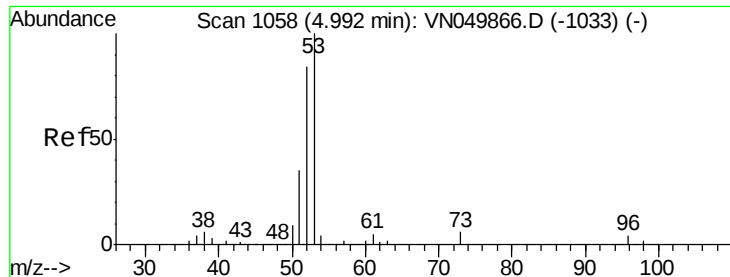
Ion Ratio Lower Upper

41 100

39 68.5 53.2 79.8

76 37.2 29.0 43.6





#15

Acrylonitrile

Concen: 102.61 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

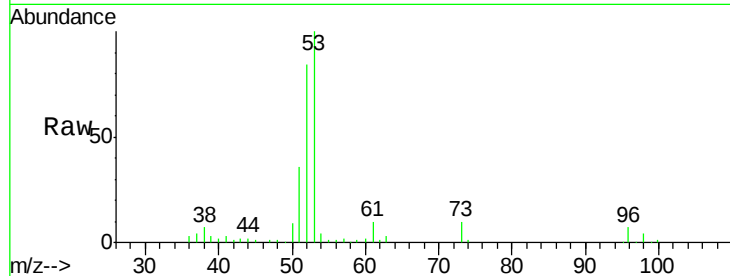
Tot Ion: 53 Resp: 245138

Ion Ratio Lower Upper

53 100

52 83.0 64.8 97.2

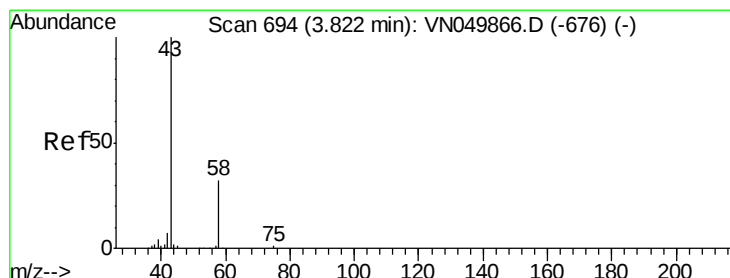
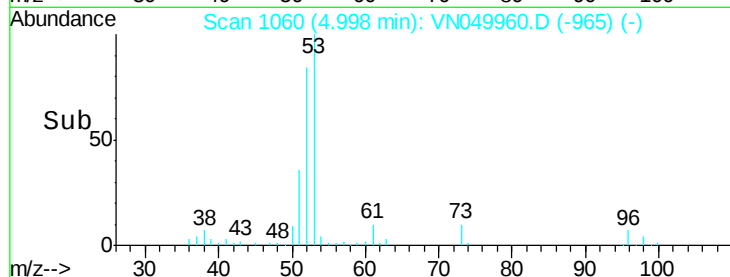
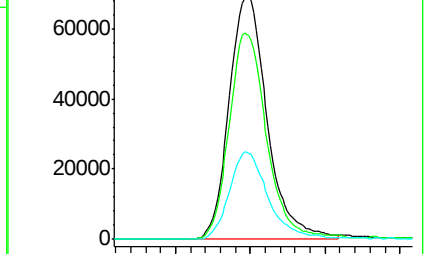
51 36.0 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049960.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049960.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049960.D (-1033) (-)



#16

Acetone

Concen: 100.40 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049960.D

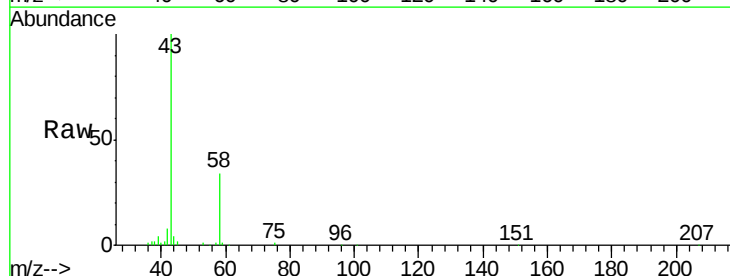
Acq: 20 Jul 2018 14:11

Tgt Ion: 43 Resp: 198202

Ion Ratio Lower Upper

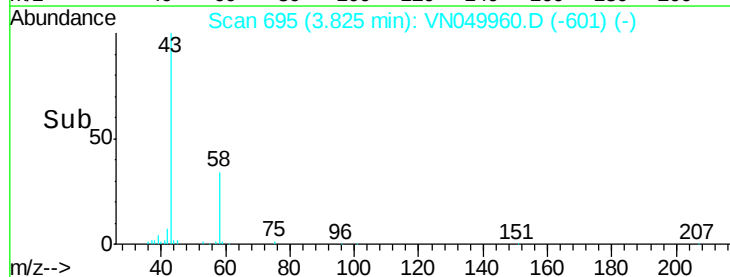
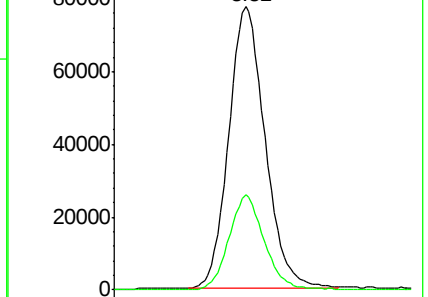
43 100

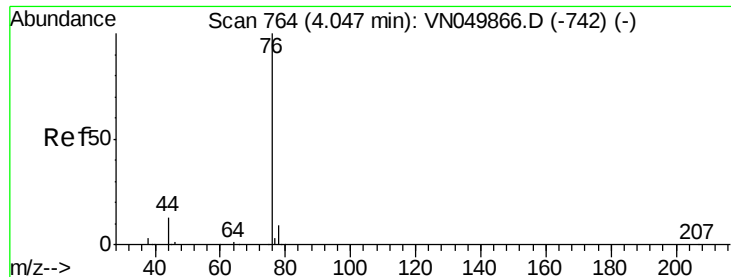
58 34.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049960.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049960.D (-601) (-)

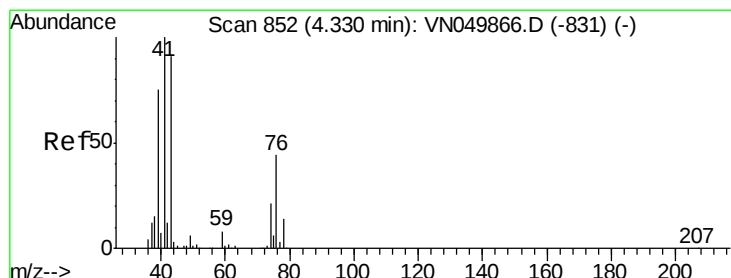
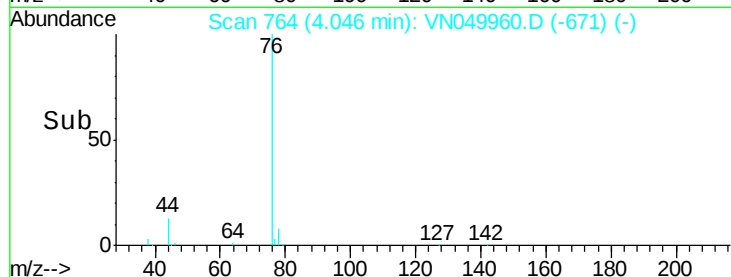
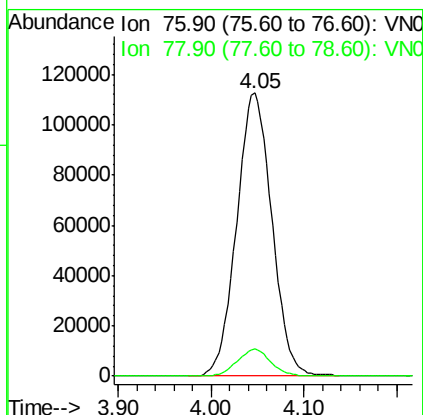
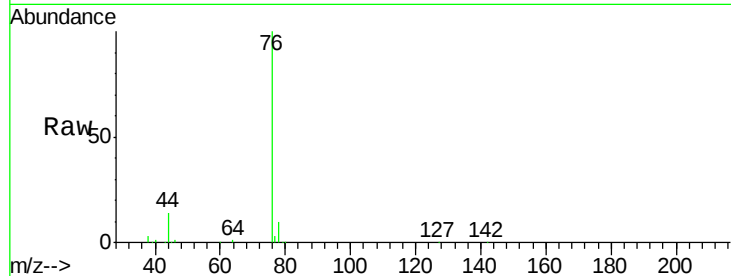




#17
Carbon Disulfide
Concen: 16.51 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

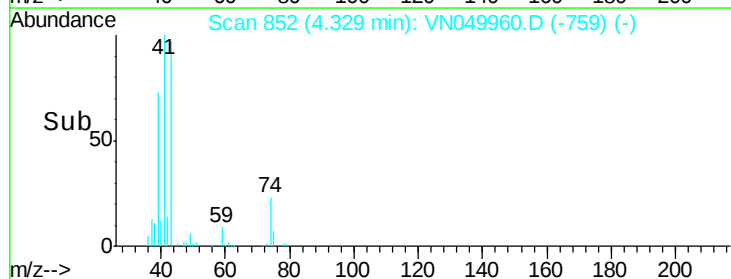
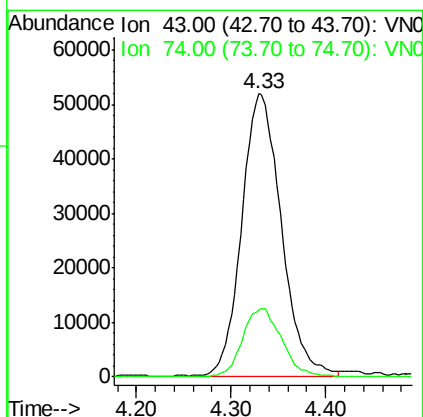
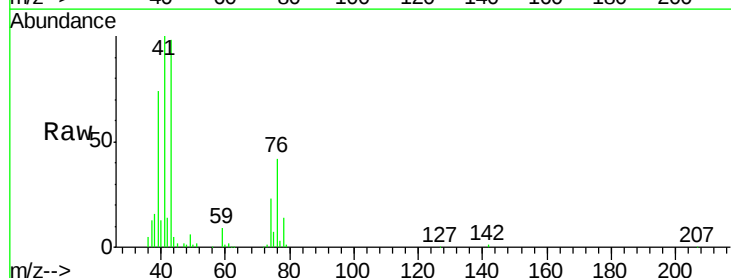
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

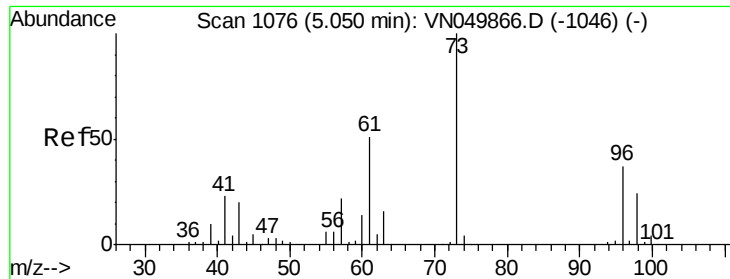
Tot Ion: 76 Resp: 297205
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 23.70 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 43 Resp: 149748
Ion Ratio Lower Upper
43 100
74 24.2 19.8 29.8

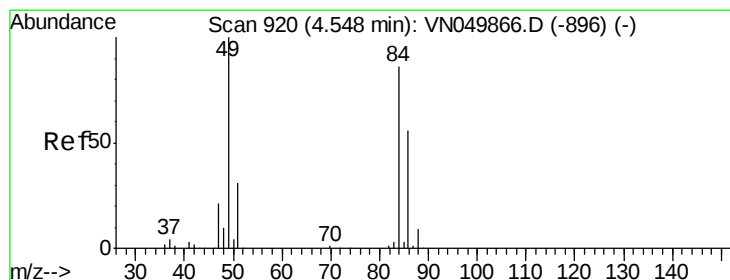
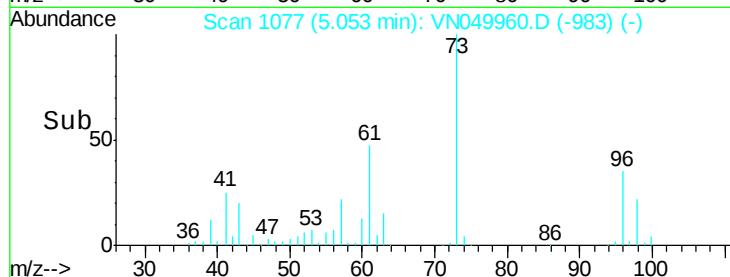
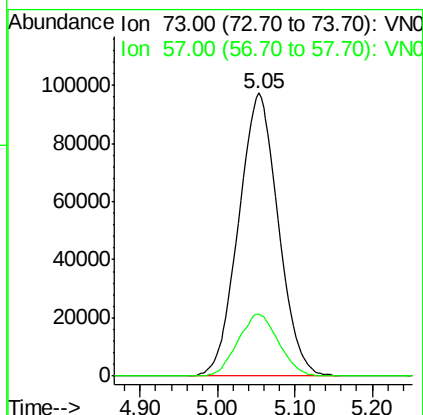
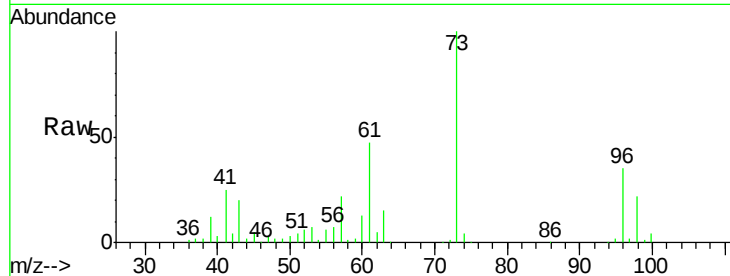




#19
Methyl tert-butyl Ether
Concen: 20.98 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

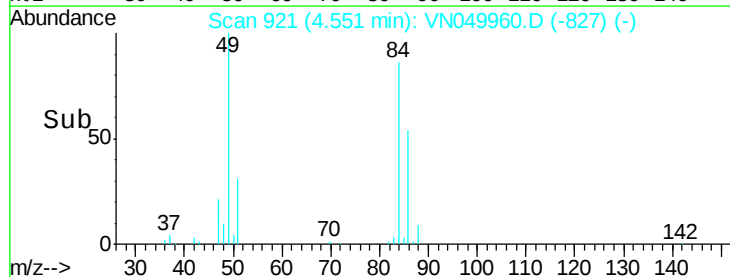
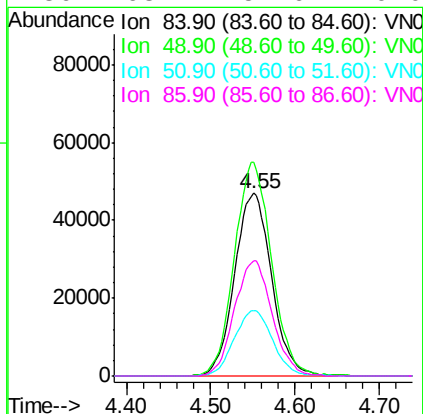
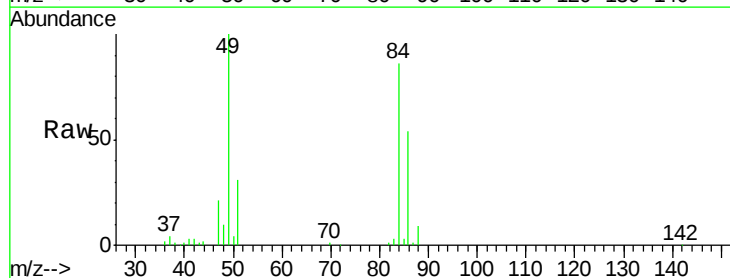
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD01

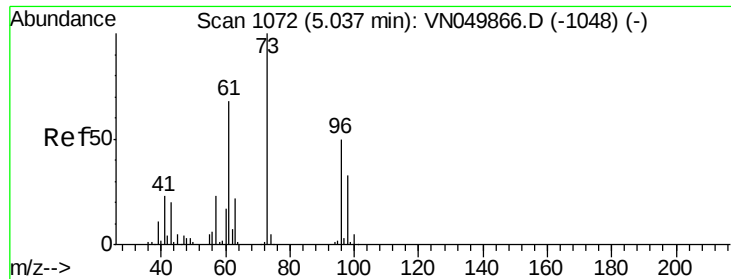
Tot Ion: 73 Resp: 347164
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1



#20
Methylene Chloride
Concen: 19.12 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 84 Resp: 143576
Ion Ratio Lower Upper
84 100
49 116.9 95.4 143.2
51 35.9 28.4 42.6
86 63.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.28 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD01

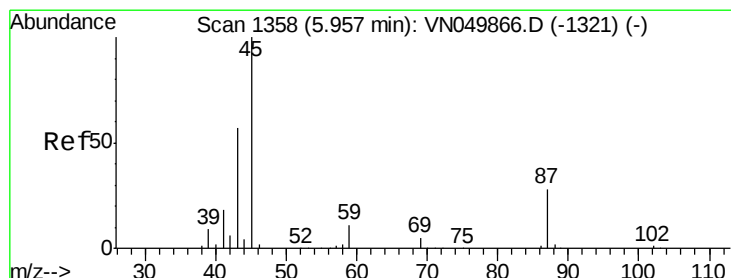
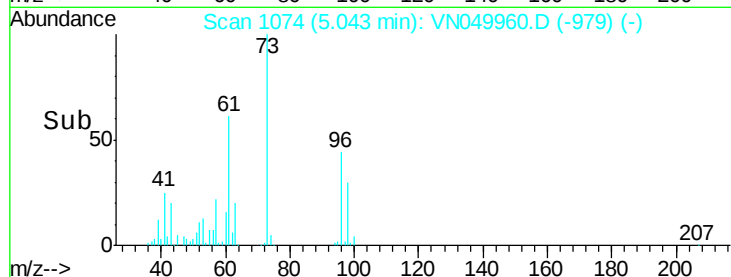
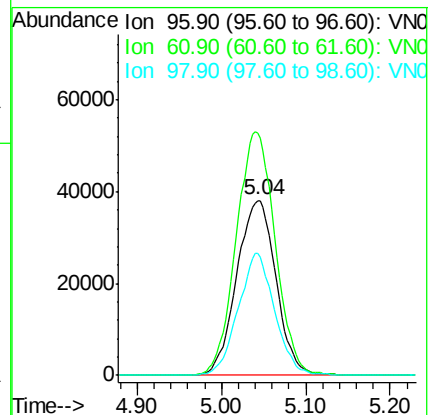
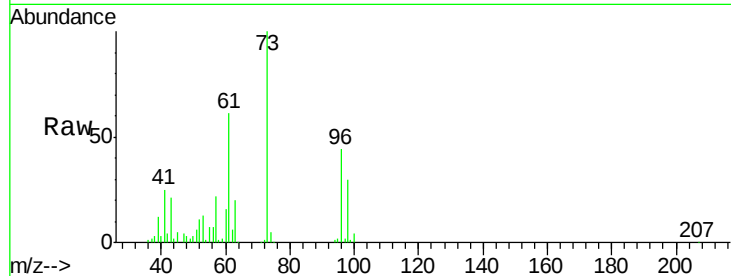
Tot Ion: 96 Resp: 123138

Ion Ratio Lower Upper

96 100

61 138.7 109.0 163.6

98 69.8 51.1 76.7



#22

Diisopropyl ether

Concen: 21.80 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Tgt Ion: 45 Resp: 421702

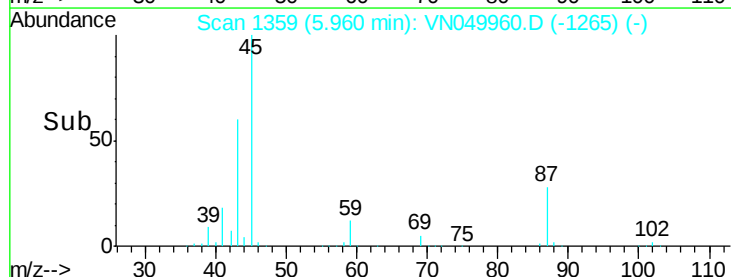
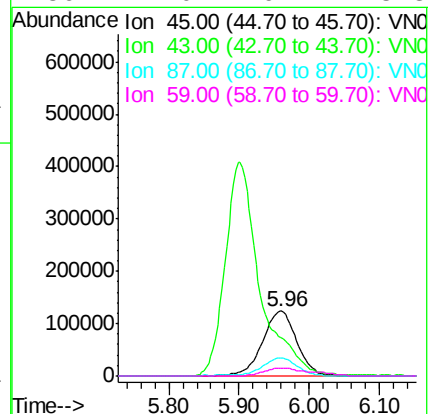
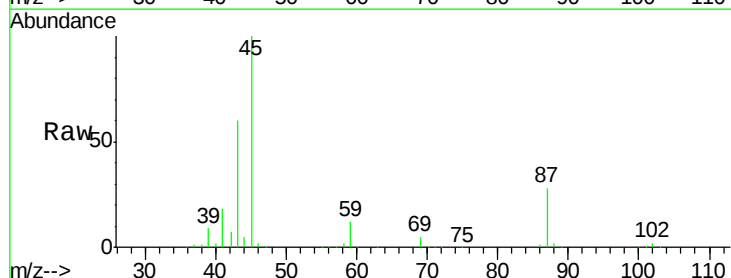
Ion Ratio Lower Upper

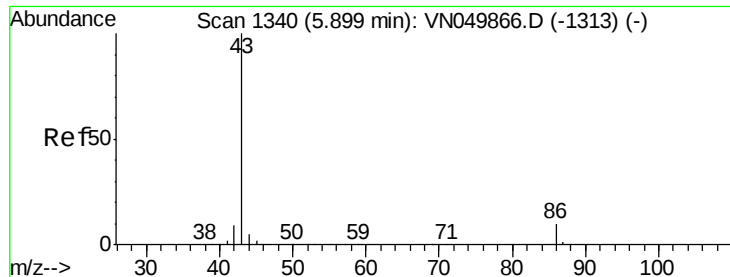
45 100

43 59.3 48.1 72.1

87 27.8 22.6 34.0

59 12.0 9.2 13.8





#23

Vinyl Acetate

Concen: 103.49 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

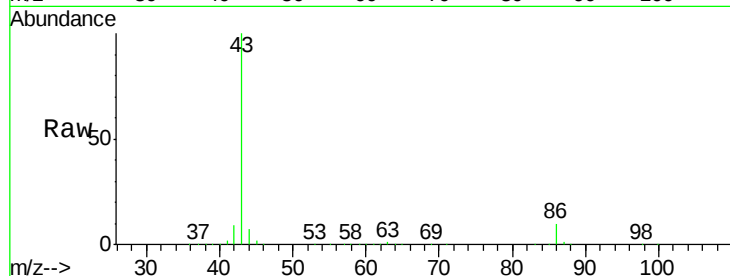
VN0720WBSD01

Tot Ion: 43 Resp: 1404964

Ion Ratio Lower Upper

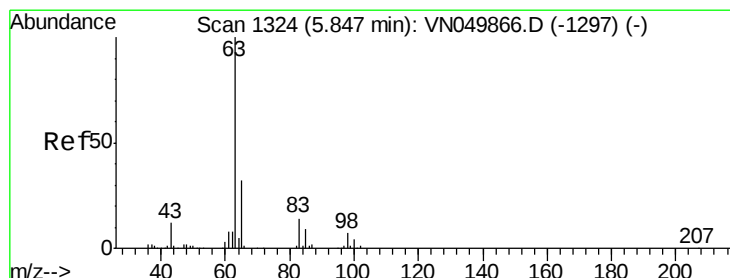
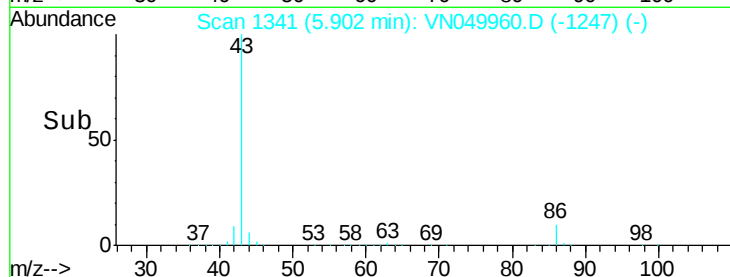
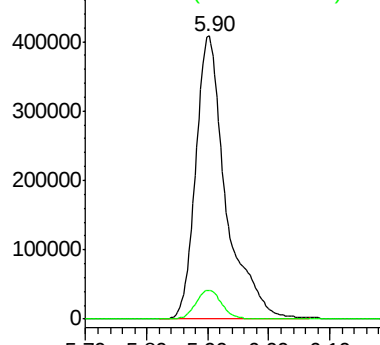
43 100

86 10.3 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.38 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

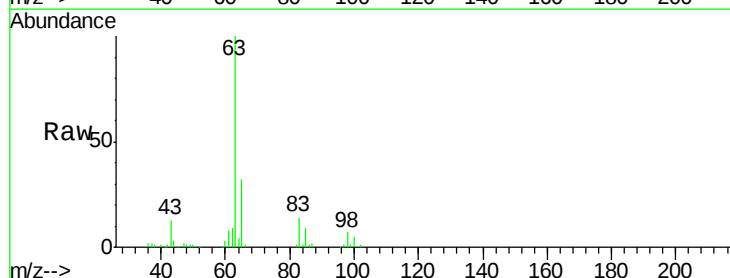
Tgt Ion: 63 Resp: 253154

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

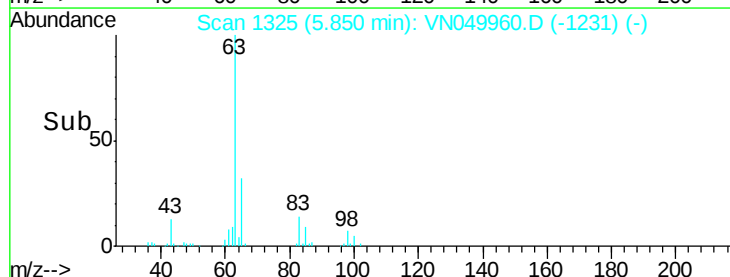
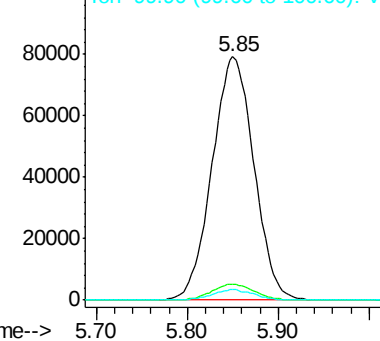
100 4.6 2.2 6.6

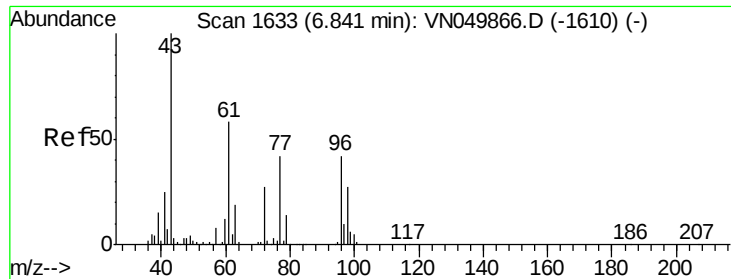


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

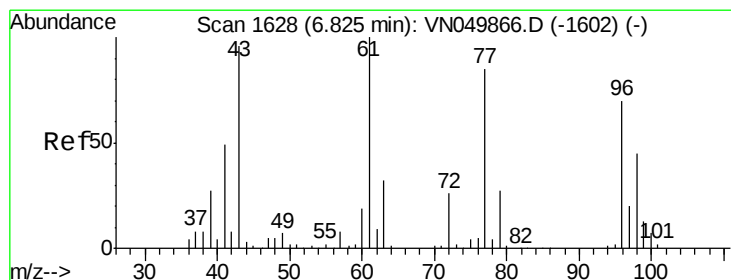
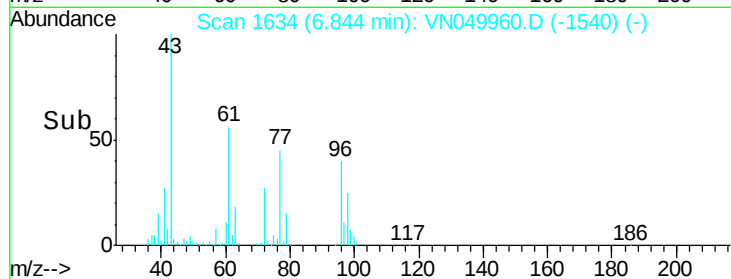
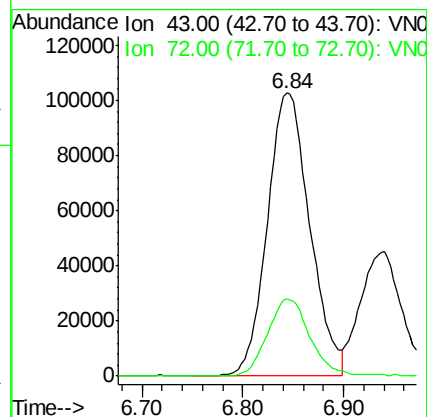
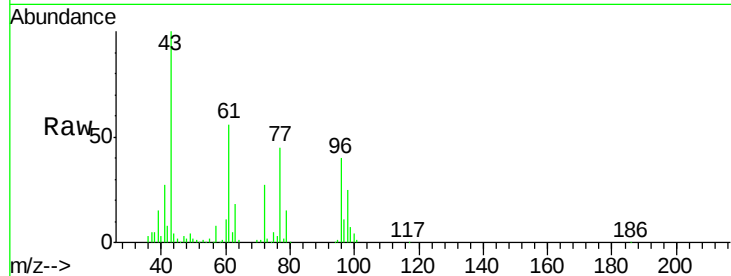




#25
2-Butanone
Concen: 105.89 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

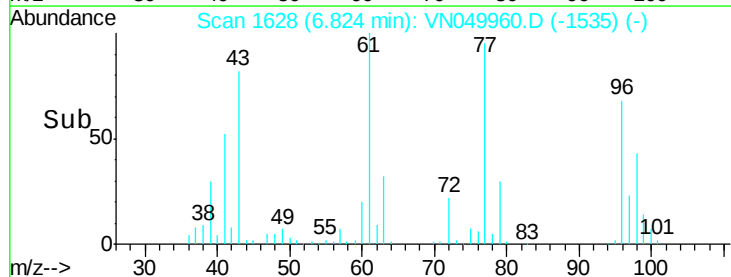
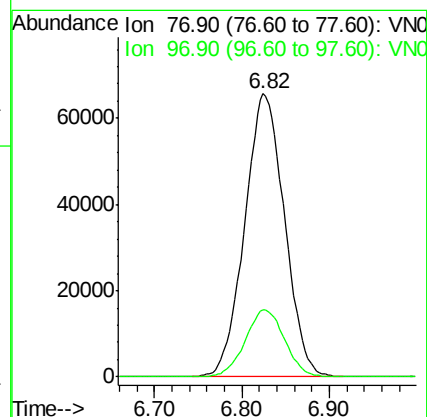
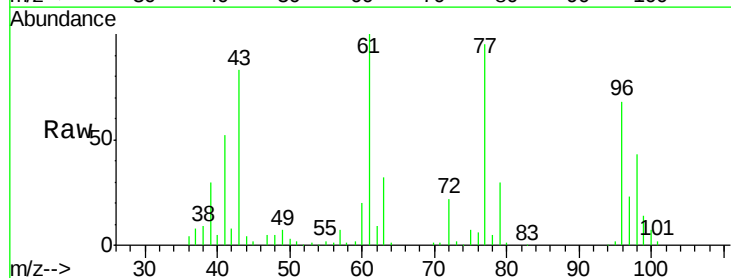
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD01

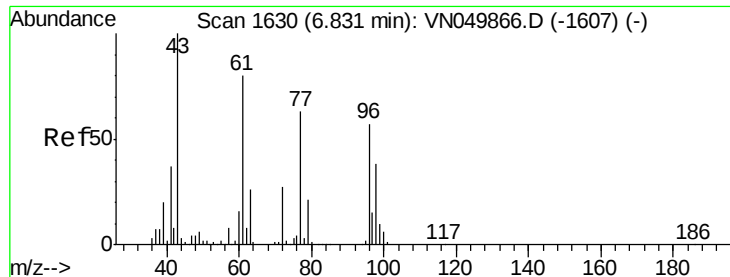
Tot Ion: 43 Resp: 298776
Ion Ratio Lower Upper
43 100
72 27.3 22.1 33.1



#26
2,2-Dichloropropane
Concen: 21.44 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 77 Resp: 207236
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5

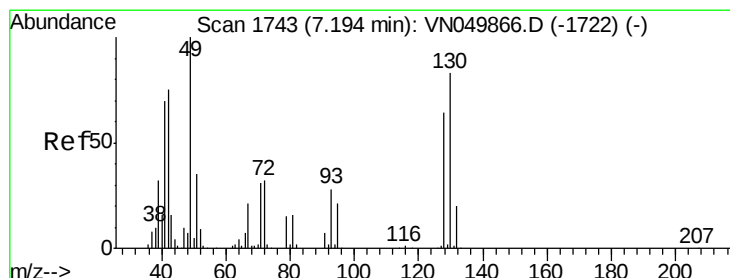
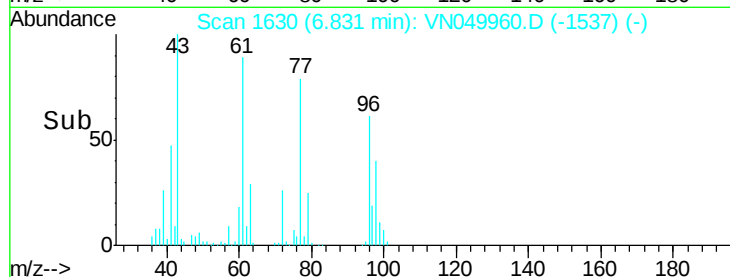
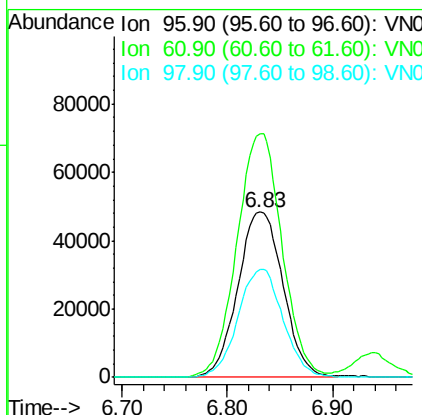
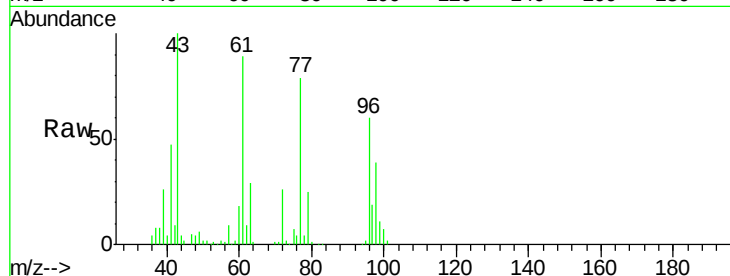




#27
 cis-1,2-Dichloroethene
 Concen: 20.61 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

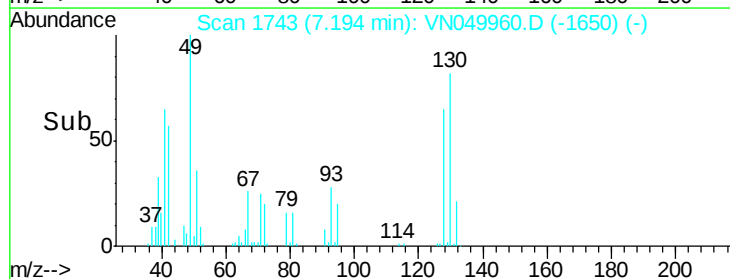
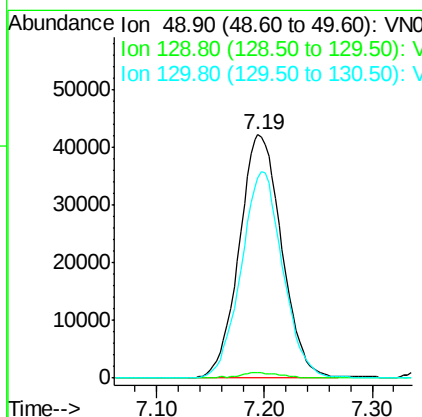
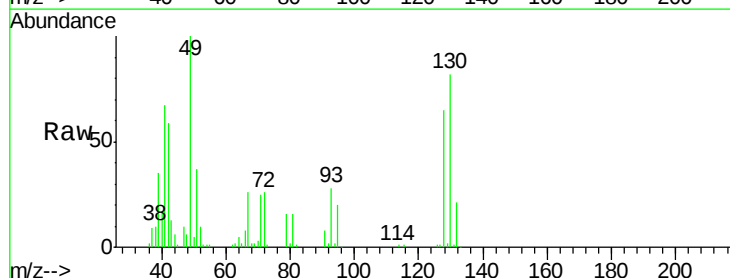
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

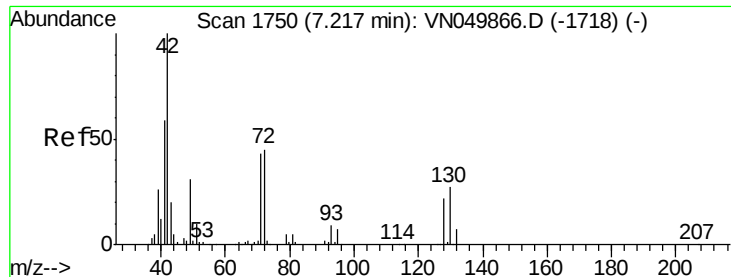
Tot Ion: 96 Resp: 144425
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 289.0
 98 65.3 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.56 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion: 49 Resp: 115358
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.1 65.5 98.3

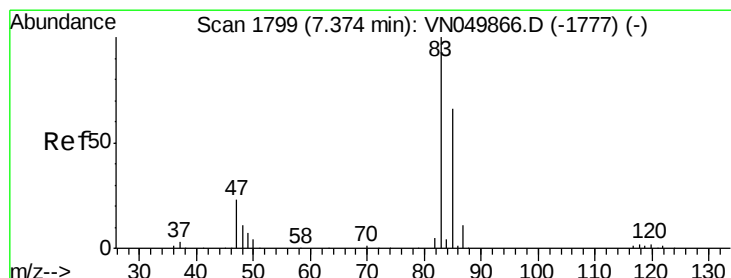
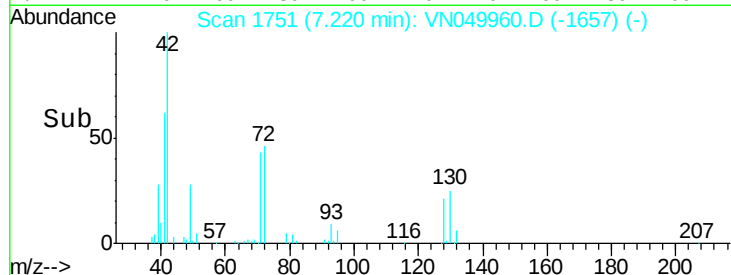
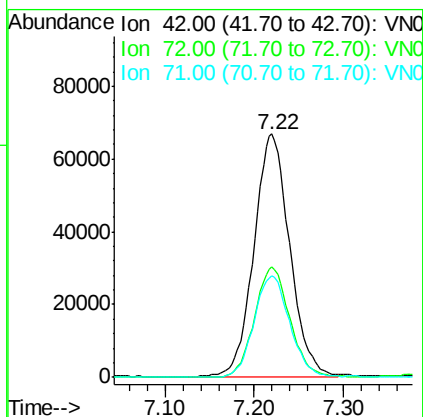
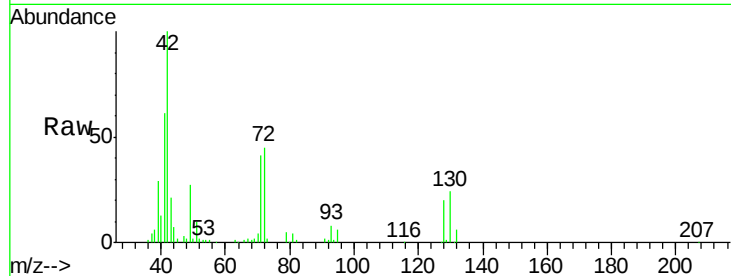




#29
Tetrahydrofuran
Concen: 104.83 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

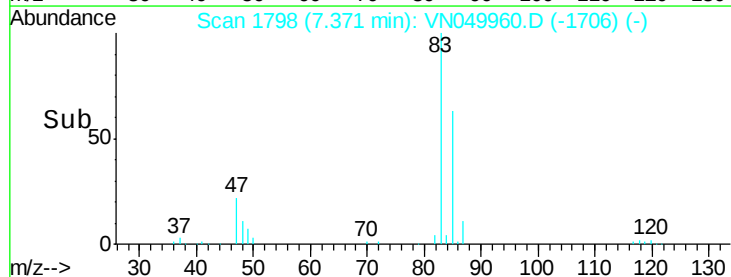
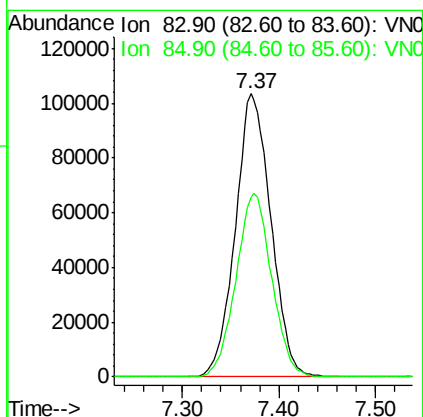
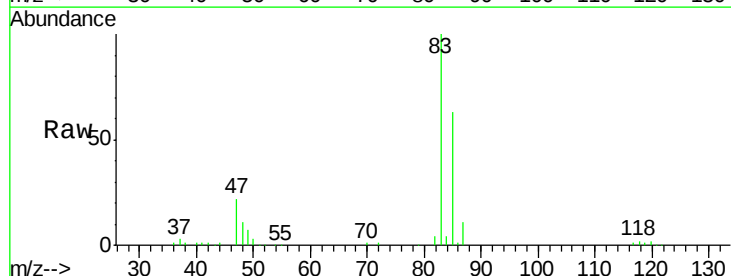
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

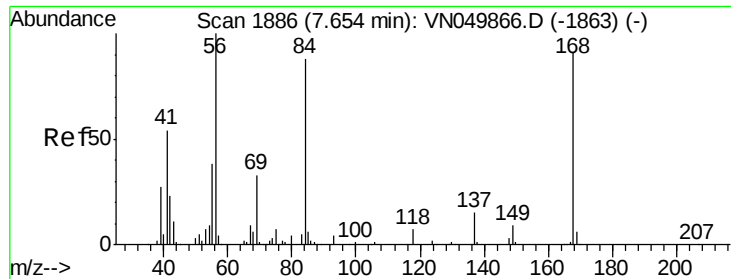
Tot Ion: 42 Resp: 186323
Ion Ratio Lower Upper
42 100
72 45.1 35.6 53.4
71 41.8 34.0 51.0



#30
Chloroform
Concen: 20.71 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 83 Resp: 264070
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 19.10 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

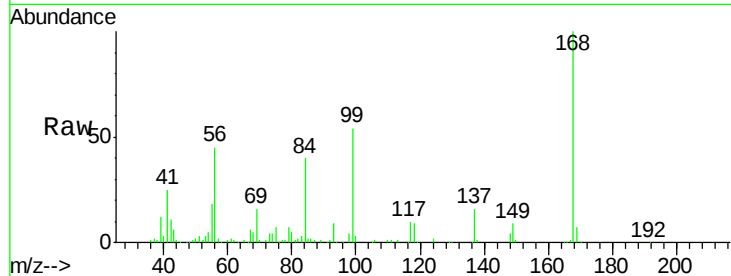
Tot Ion: 56 Resp: 193093

Ion Ratio Lower Upper

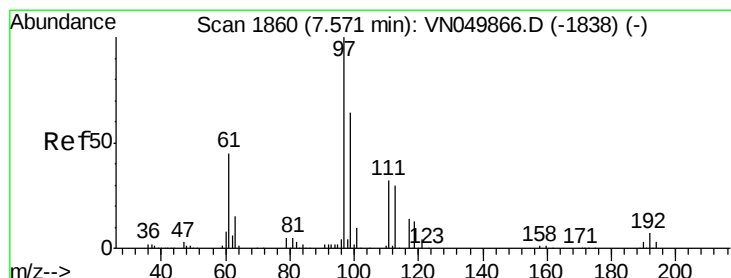
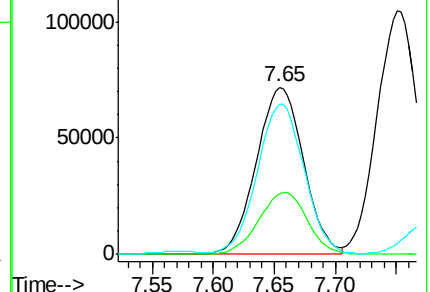
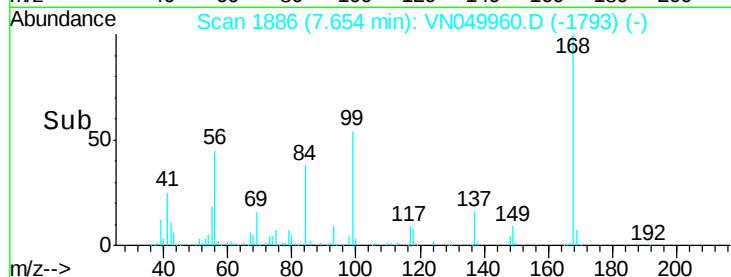
56 100

69 36.2 26.6 40.0

84 88.4 69.0 103.6



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



#32

1,1,1-Trichloroethane

Concen: 19.71 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

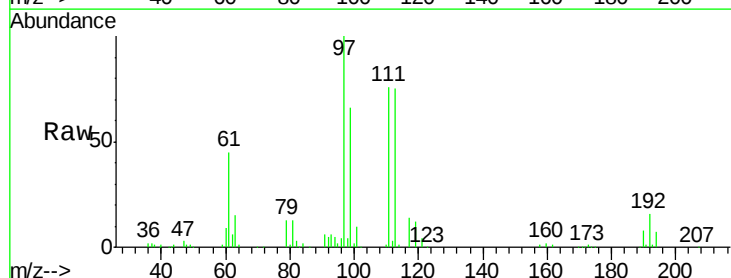
Tgt Ion: 97 Resp: 217190

Ion Ratio Lower Upper

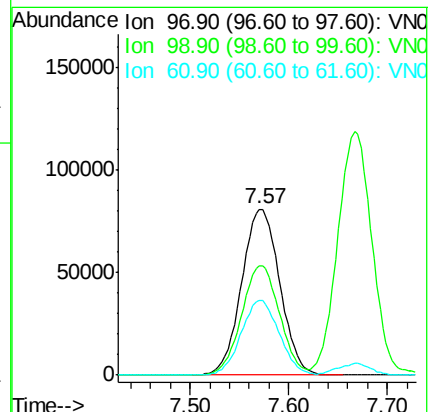
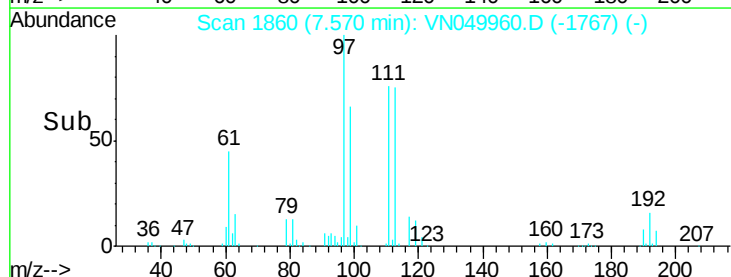
97 100

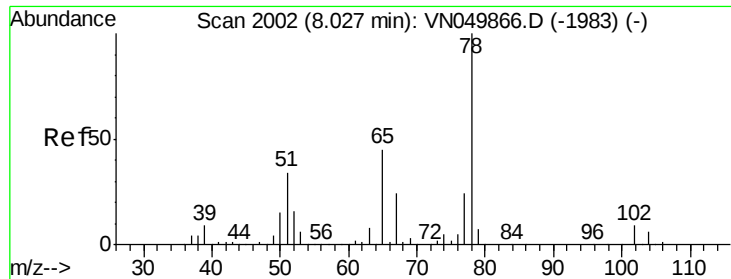
99 65.5 51.0 76.4

61 44.9 35.5 53.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

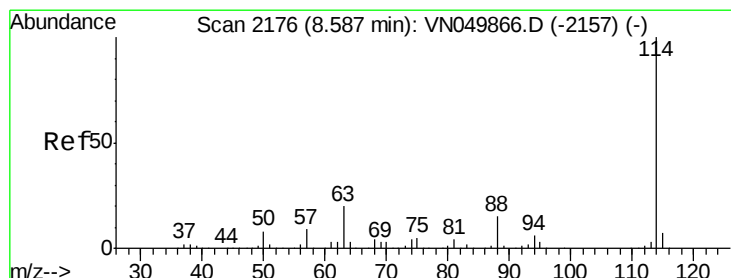
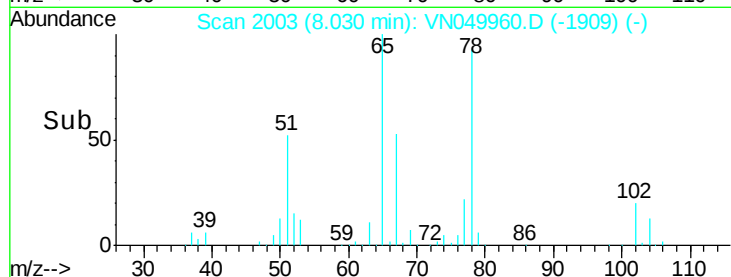
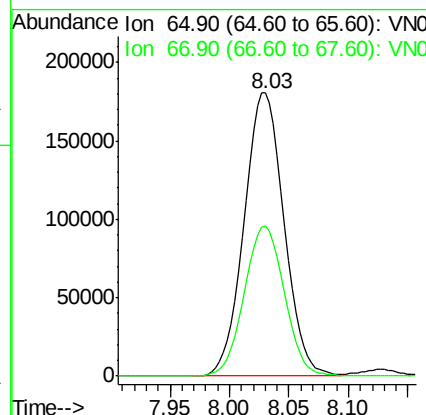
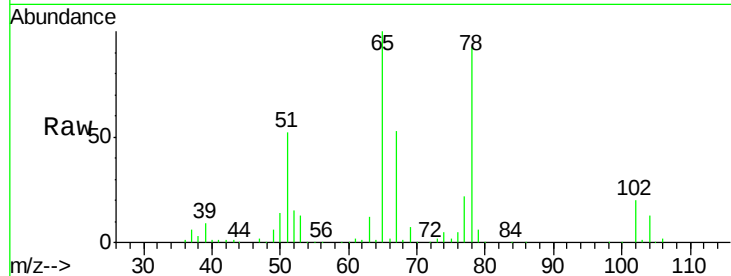




#33
 1,2-Dichloroethane-d4
 Concen: 55.14 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

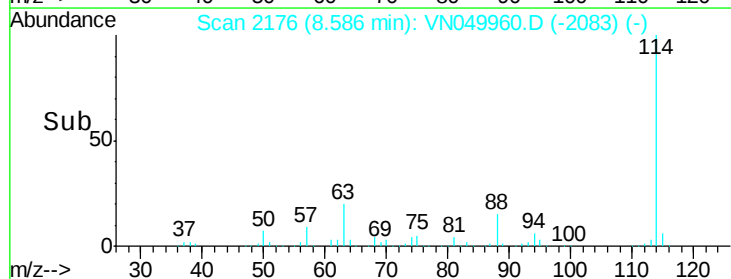
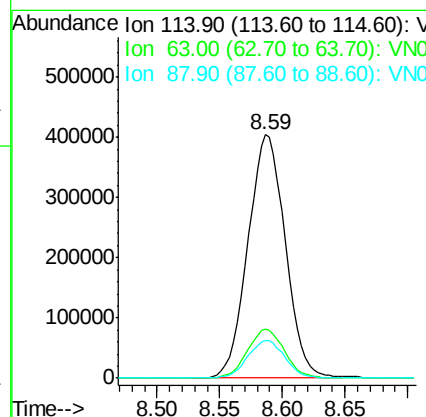
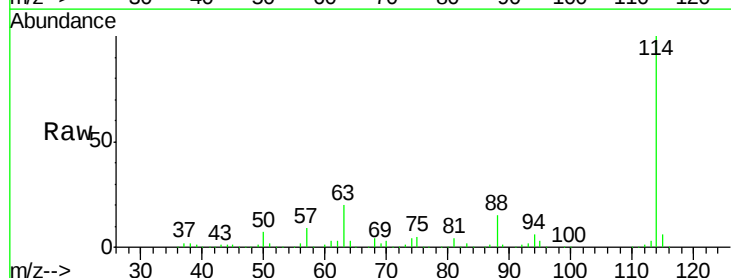
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

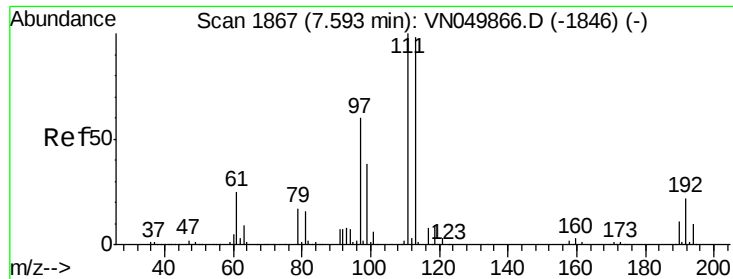
Tot Ion: 65 Resp: 420417
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion: 114 Resp: 838105
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.27 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

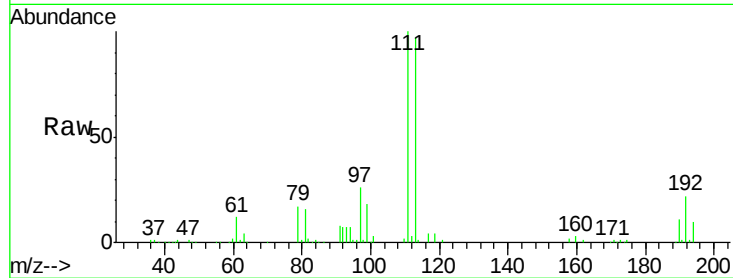
Tot Ion:113 Resp: 367798

Ion Ratio Lower Upper

113 100

111 104.5 81.8 122.8

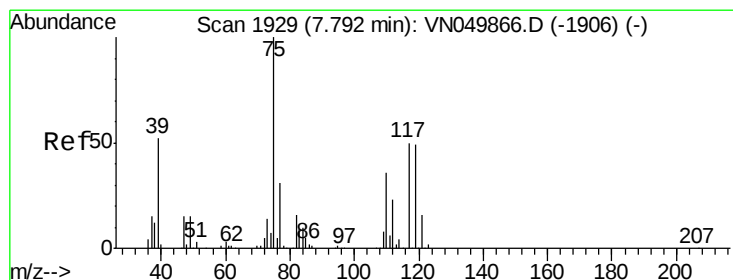
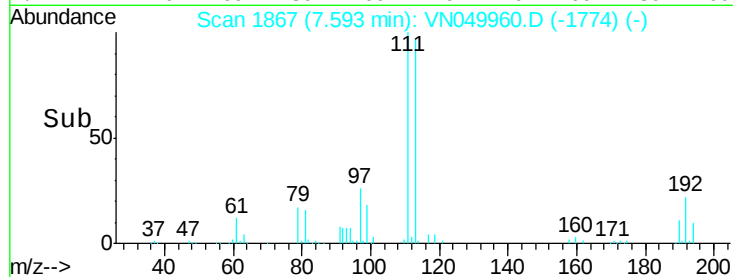
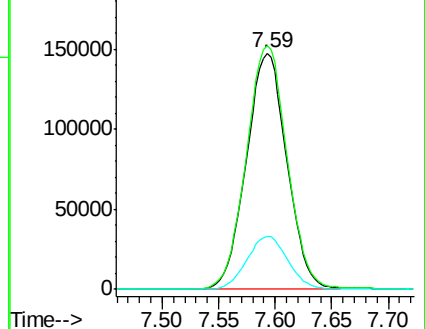
192 22.6 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.93 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

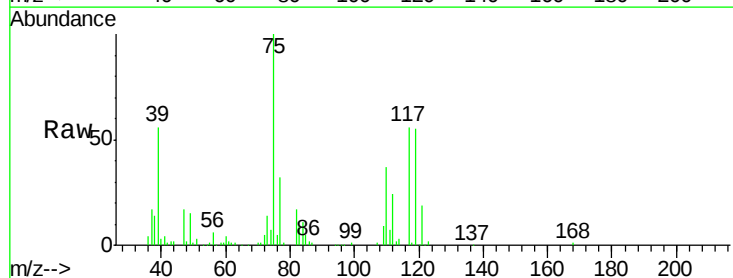
Tgt Ion: 75 Resp: 176415

Ion Ratio Lower Upper

75 100

110 36.3 18.1 54.4

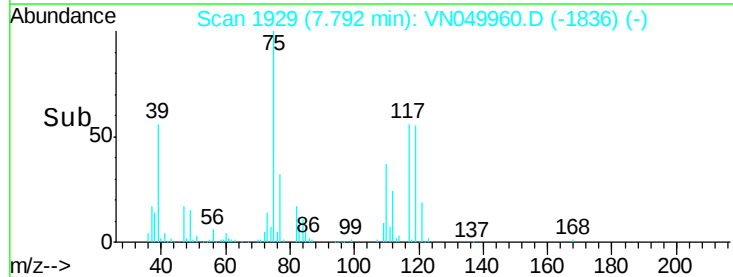
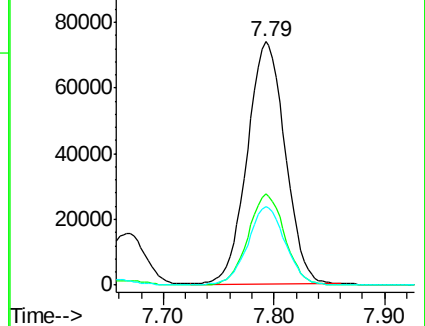
77 32.0 24.9 37.3

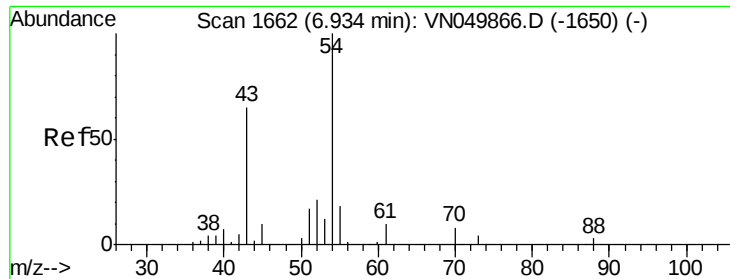


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

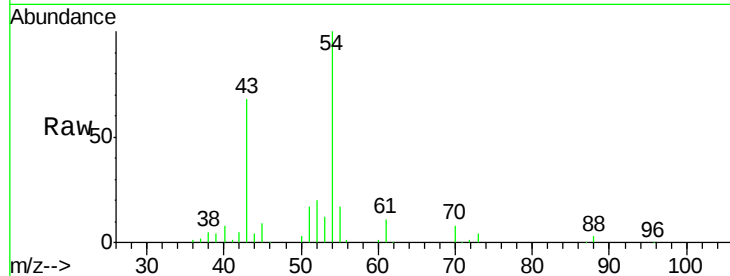




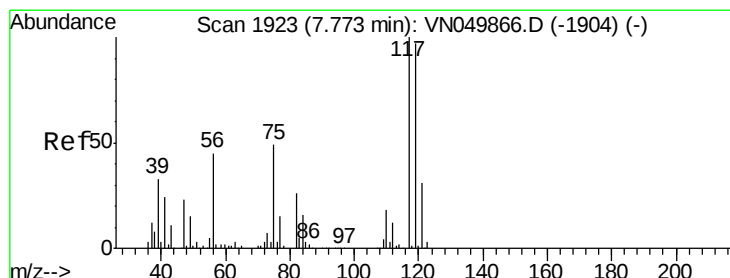
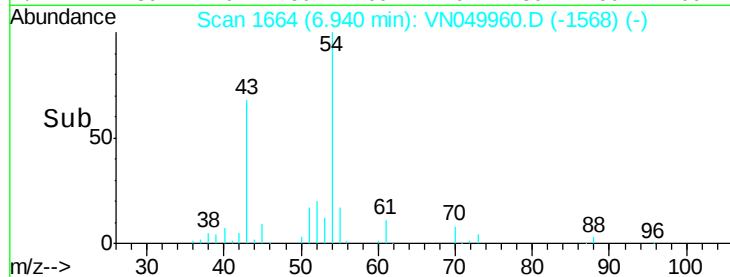
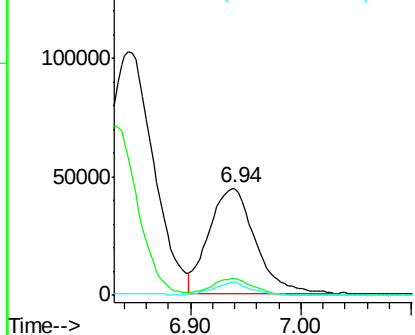
#37
Ethyl Acetate
Concen: 20.23 ug/l
RT: 6.94 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD01

Tot Ion: 43 Resp: 129476
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 10.2 8.4 12.6

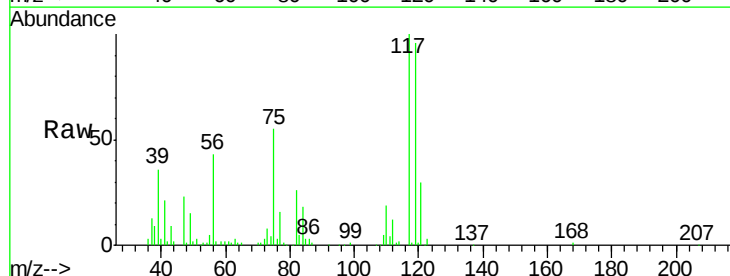


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

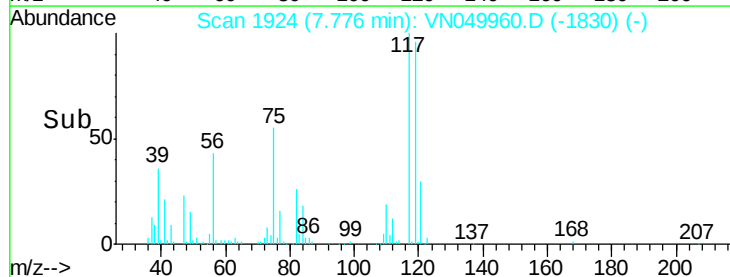
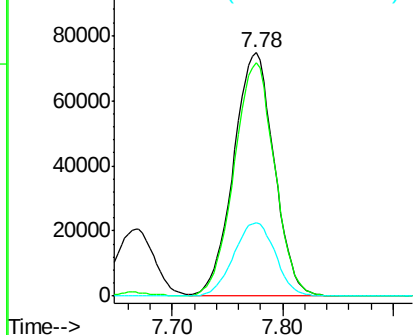


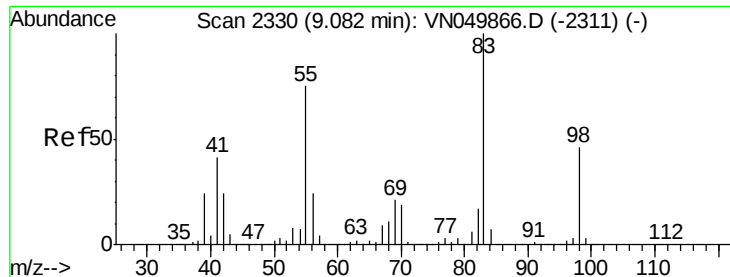
#38
Carbon Tetrachloride
Concen: 19.11 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 117 Resp: 190753
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 30.1 25.0 37.6



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

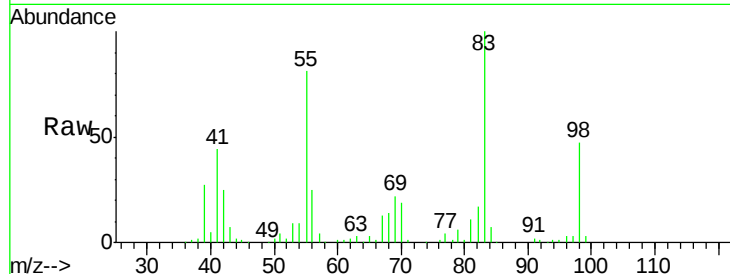




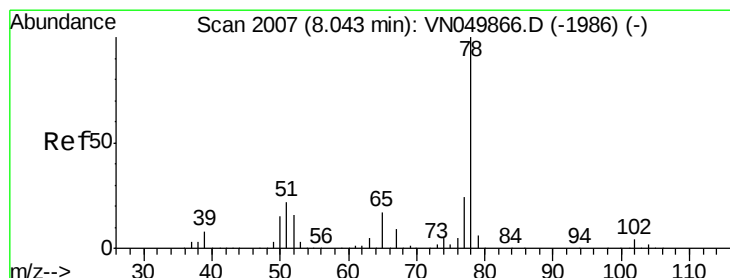
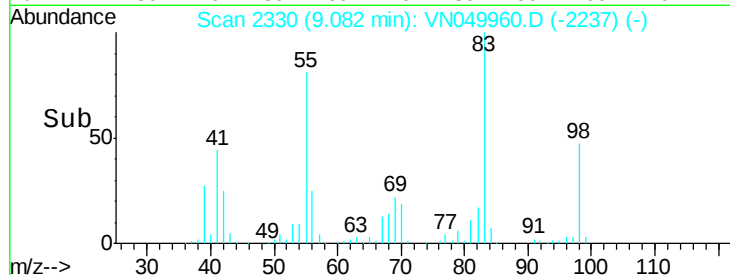
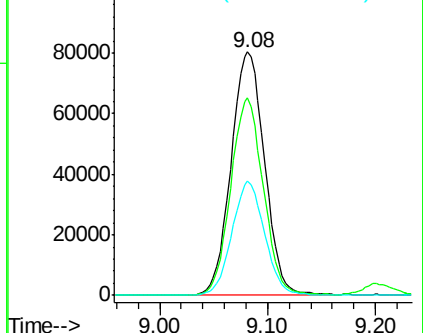
#39
Methvlcvclohexane
Concen: 18.01 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion: 83 Resp: 173338
Ion Ratio Lower Upper
83 100
55 81.1 59.7 89.5
98 46.8 36.5 54.7

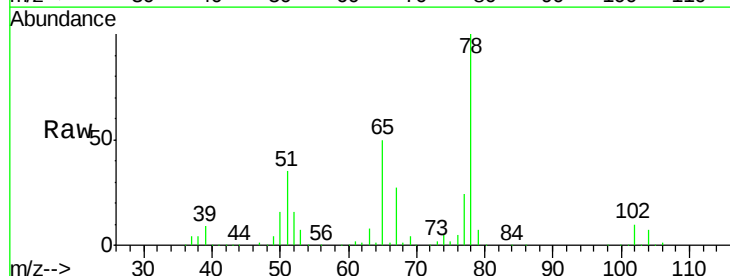


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

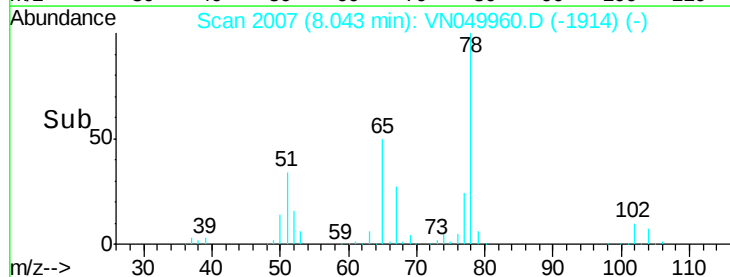
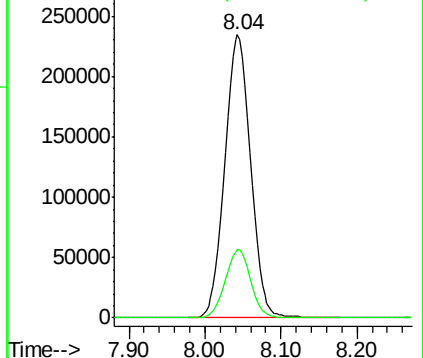


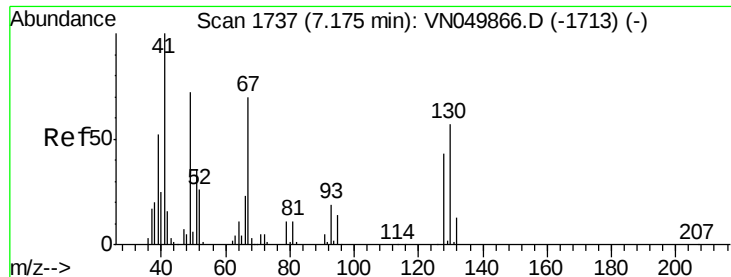
#40
Benzene
Concen: 19.51 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 78 Resp: 554226
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



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

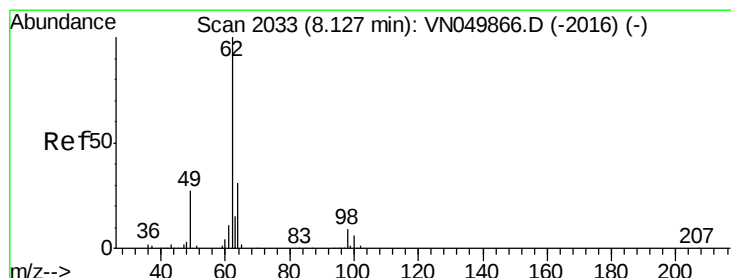
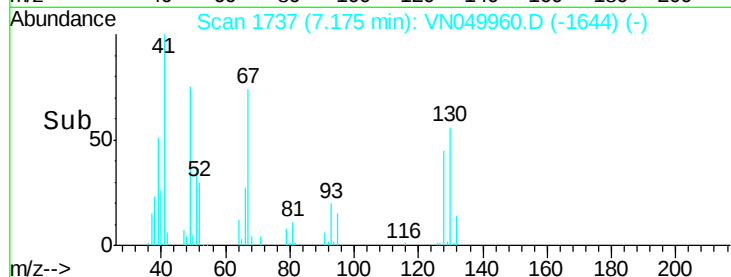
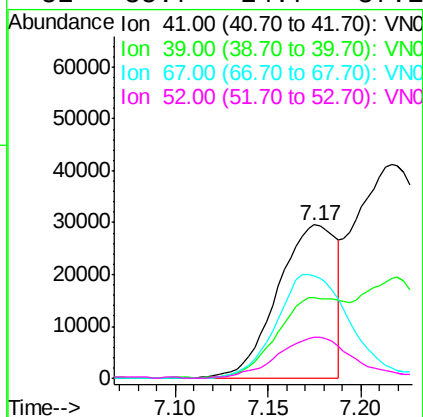
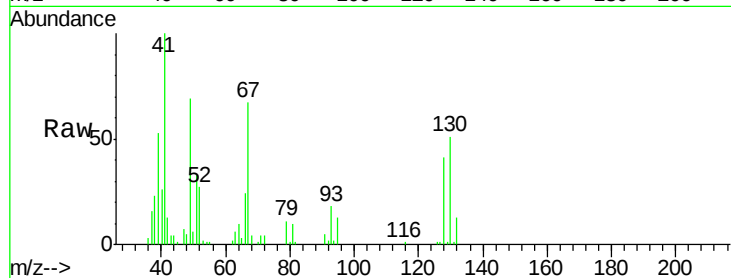




#41
Methacrylonitrile
Concen: 20.28 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

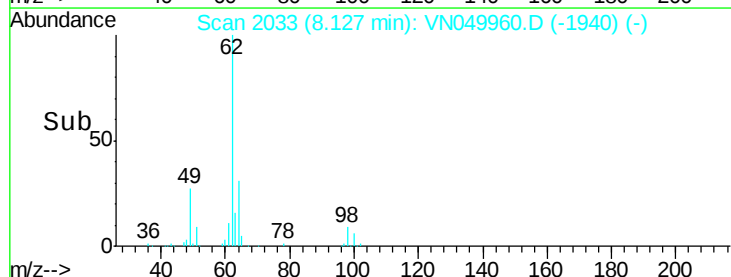
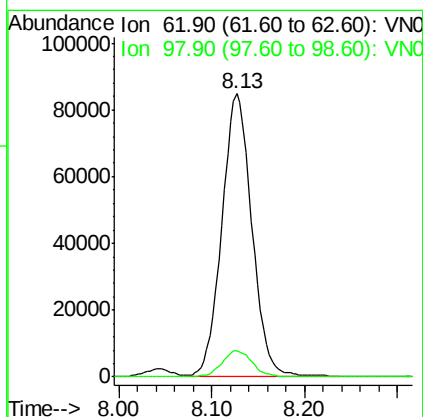
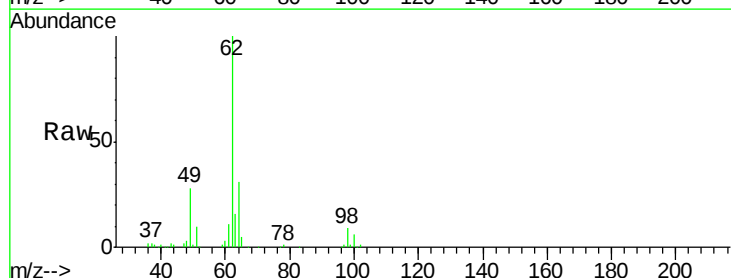
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

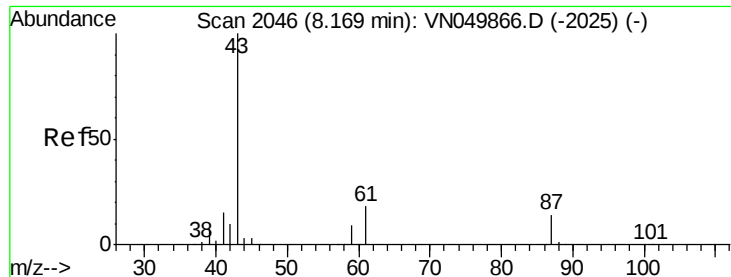
Tot Ion:	41	Resp:	65054
Ion	Ratio	Lower	Upper
41	100		
39	62.2	45.4	68.2
67	85.8	65.4	98.0
52	35.7	24.7	37.1



#42
1,2-Dichloroethane
Concen: 20.19 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:	62	Resp:	189913
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 22.18 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

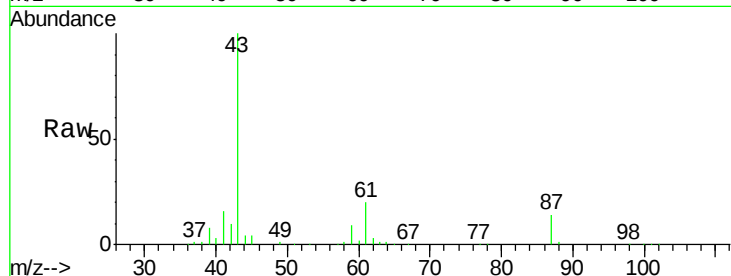
Tot Ion: 43 Resp: 247981

Ion Ratio Lower Upper

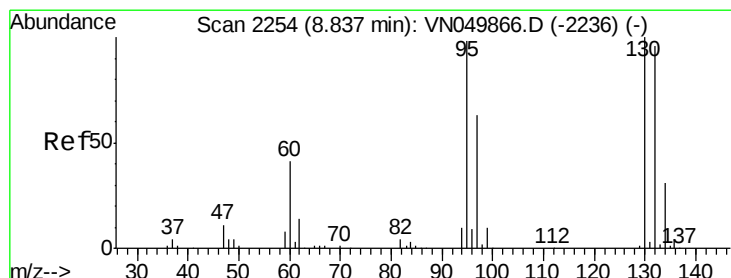
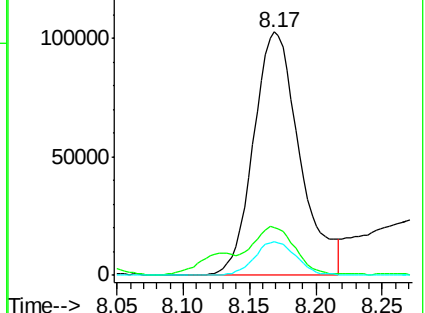
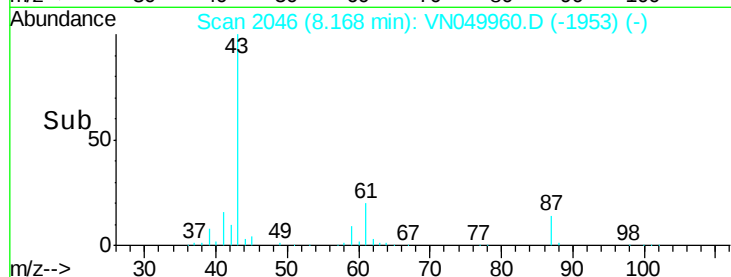
43 100

61 17.5 14.9 22.3

87 12.6 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049960.D (-1953) (-)



#44

Trichloroethene

Concen: 19.45 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049960.D

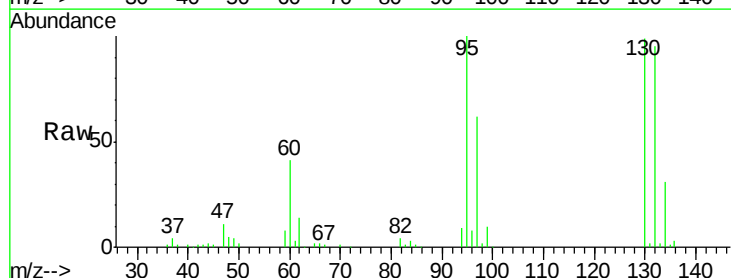
Acq: 20 Jul 2018 14:11

Tgt Ion:130 Resp: 144884

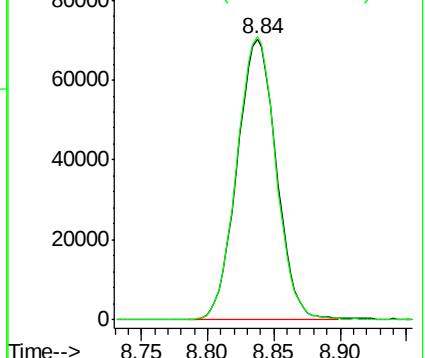
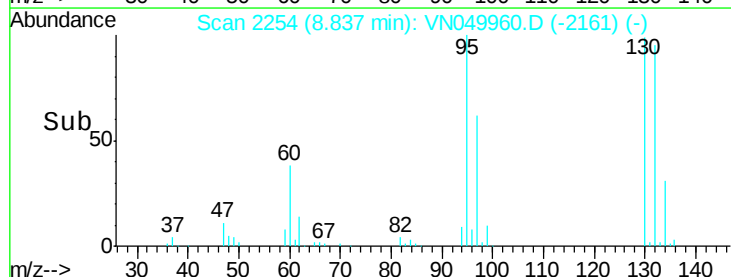
Ion Ratio Lower Upper

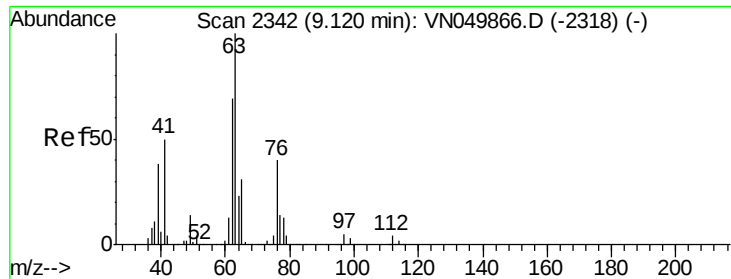
130 100

95 100.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049960.D (-2161) (-)

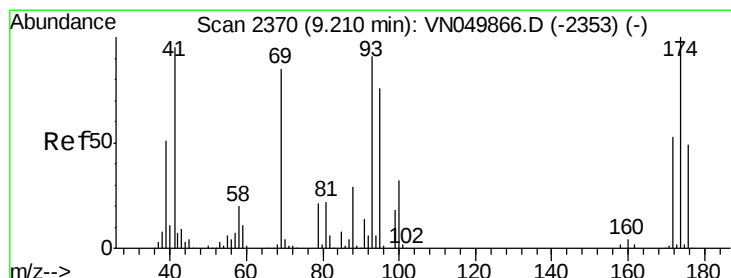
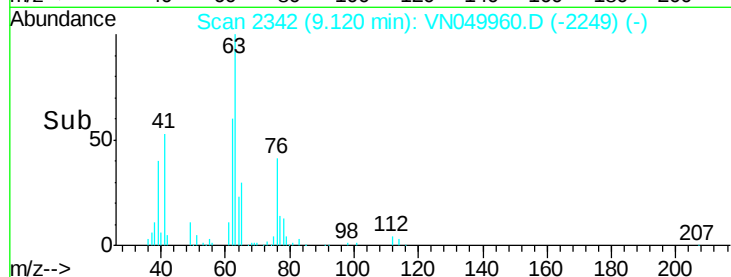
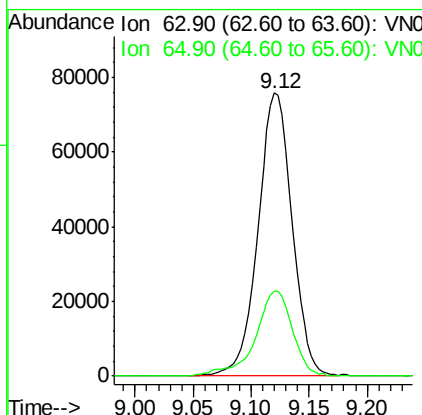
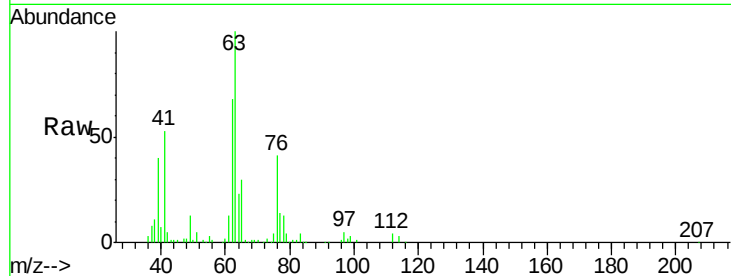




#45
 1,2-Dichloropropane
 Concen: 20.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

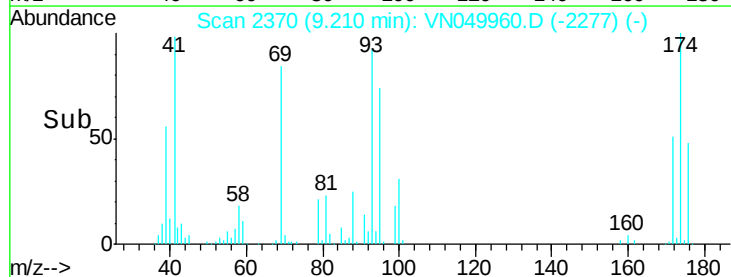
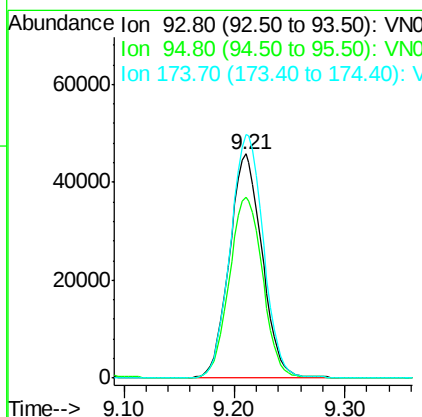
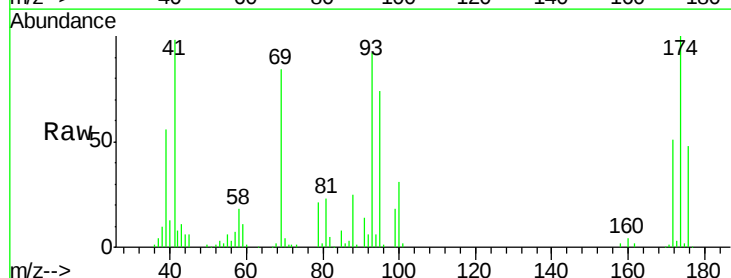
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

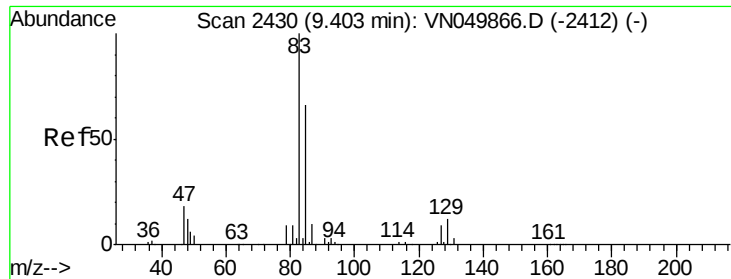
Tot Ion: 63 Resp: 154977
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1



#46
 Dibromomethane
 Concen: 19.87 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion: 93 Resp: 94409
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.9 101.9
 174 109.5 89.4 134.0





#47

Bromodichloromethane

Concen: 20.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD01

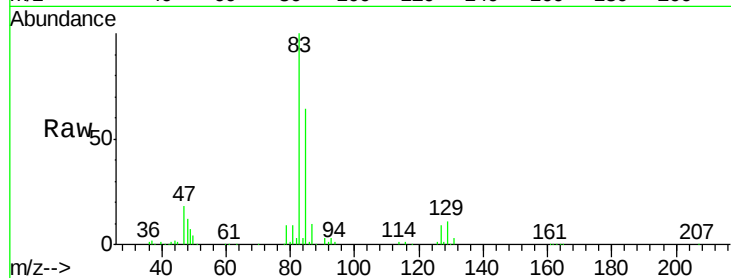
Tot Ion: 83 Resp: 200740

Ion Ratio Lower Upper

83 100

85 63.6 50.5 75.7

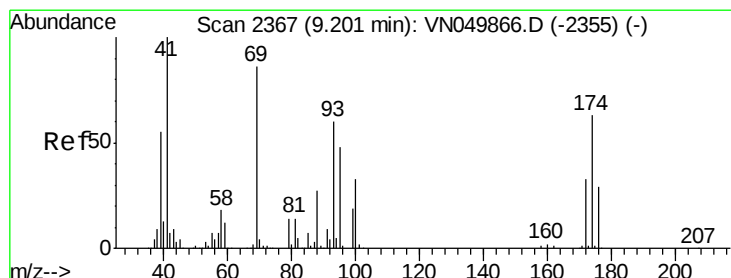
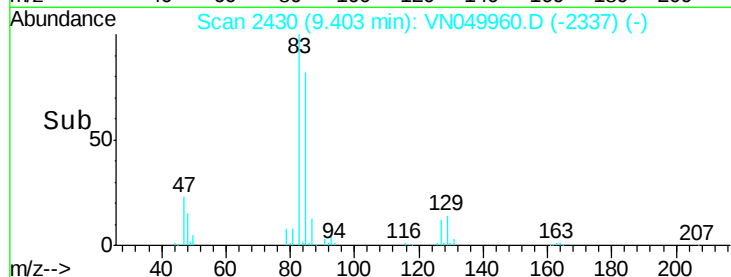
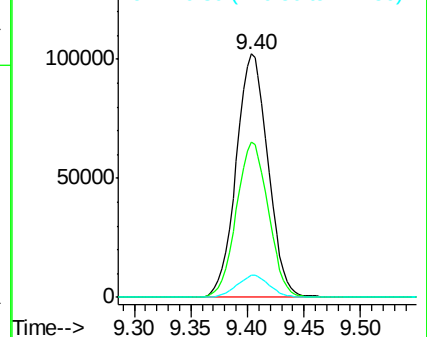
127 9.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049960.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049960.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049960.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.79 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

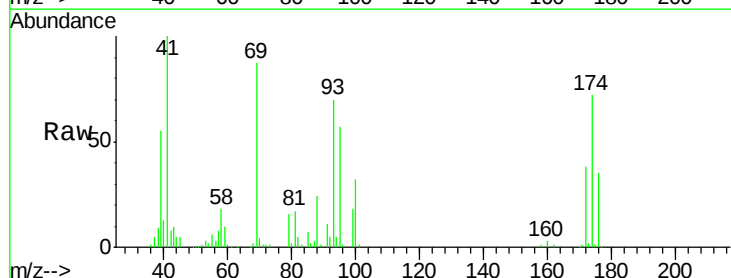
Tgt Ion: 41 Resp: 110992

Ion Ratio Lower Upper

41 100

69 87.4 71.5 107.3

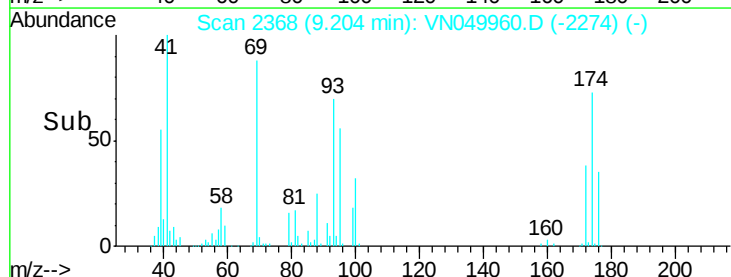
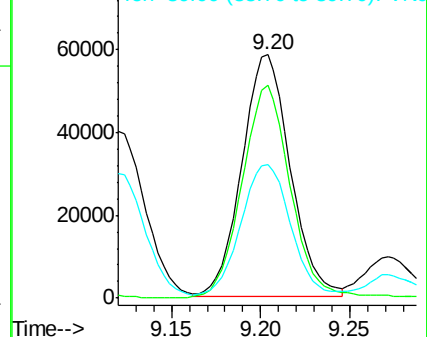
39 56.9 44.7 67.1

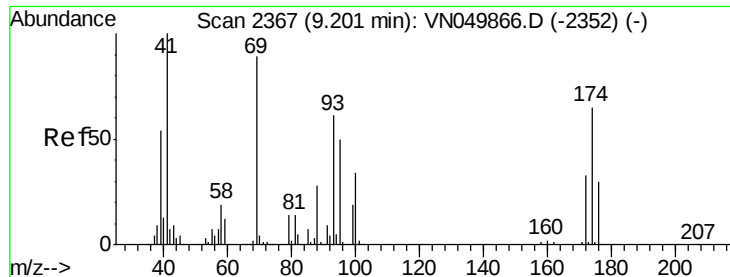


Abundance Ion 41.00 (40.70 to 41.70): VN049960.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049960.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049960.D (-2274) (-)

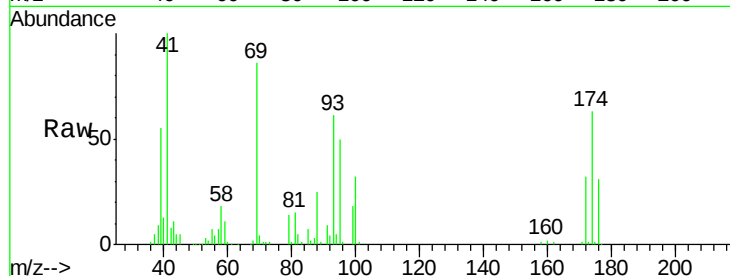




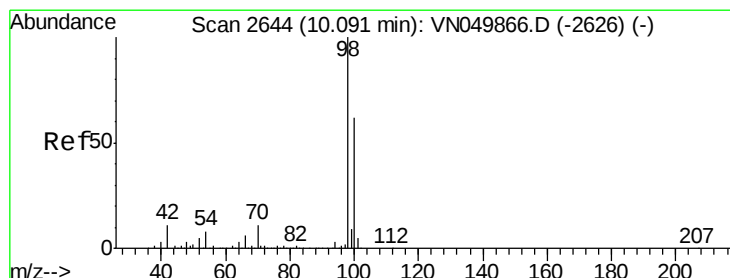
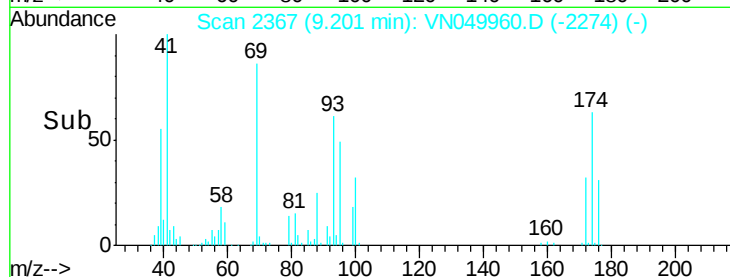
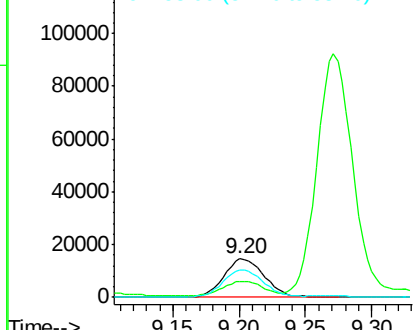
#49
1,4-Dioxane
Concen: 389.96 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion: 88 Resp: 31023
Ion Ratio Lower Upper
88 100
43 35.7 25.1 37.7
58 71.6 52.5 78.7

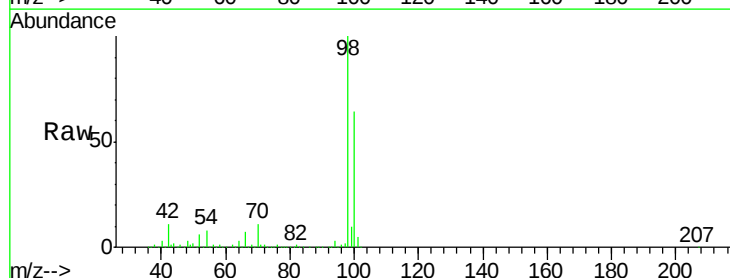


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

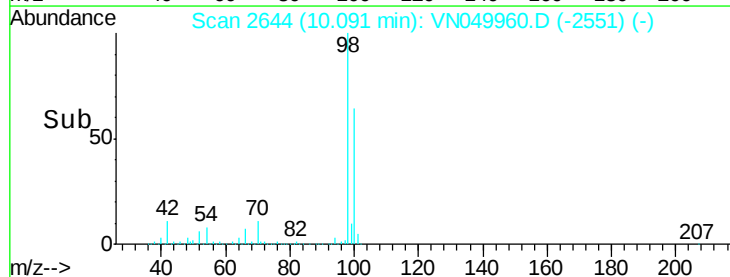
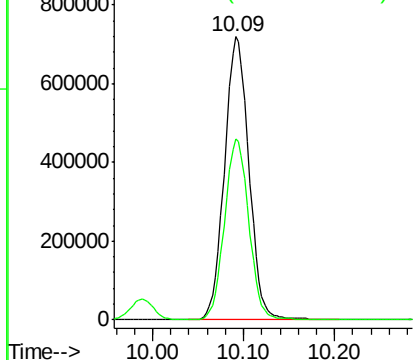


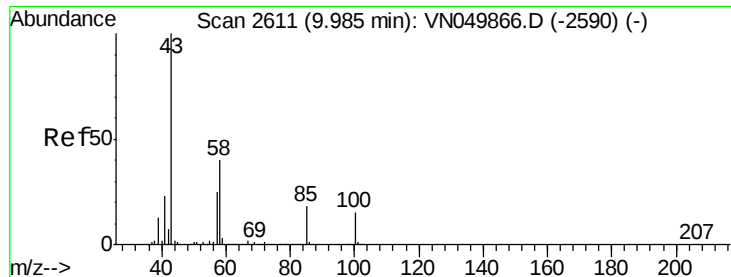
#50
Toluene-d8
Concen: 52.25 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 98 Resp: 1339489
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 105.22 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

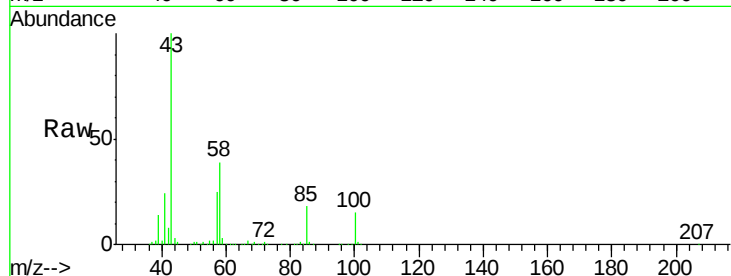
VN0720WBSD01

Tot Ion: 43 Resp: 657546

Ion Ratio Lower Upper

43 100

58 38.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

9.99

400000

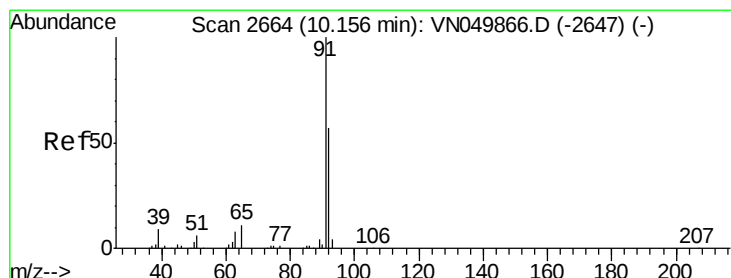
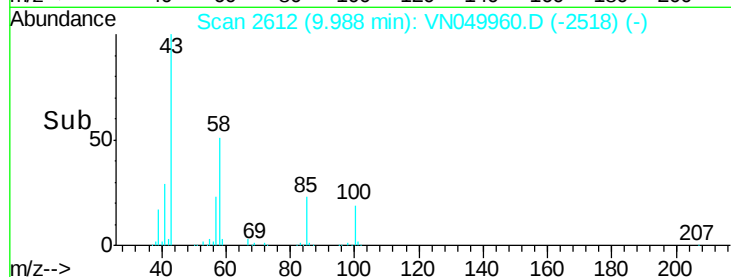
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.39 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049960.D

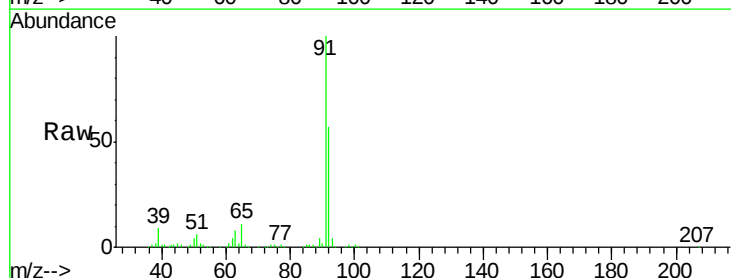
Acq: 20 Jul 2018 14:11

Tgt Ion: 92 Resp: 345514

Ion Ratio Lower Upper

92 100

91 174.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049866.D (-2647) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-2647) (-)

10.16

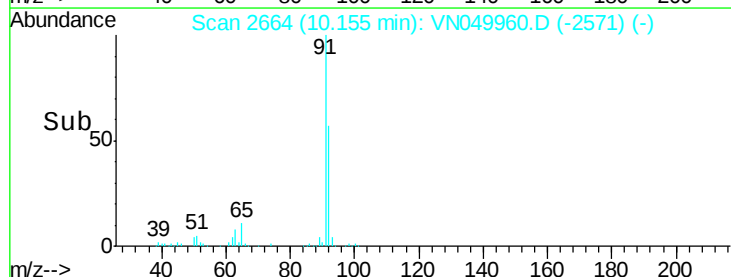
300000

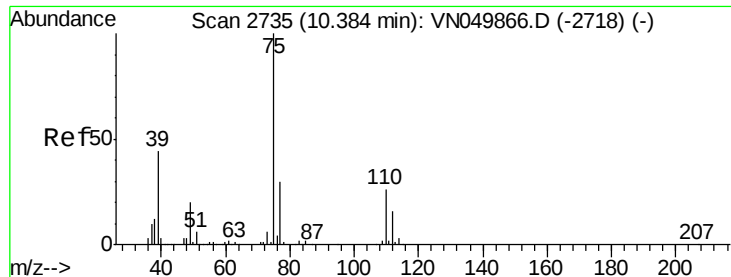
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

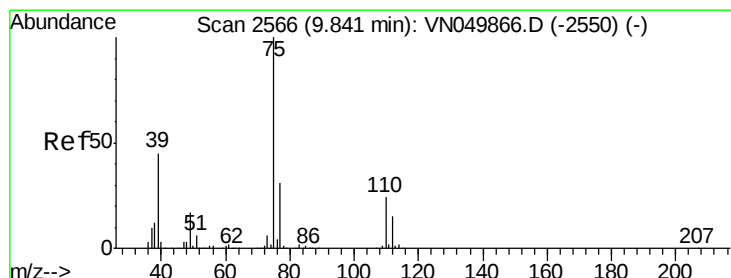
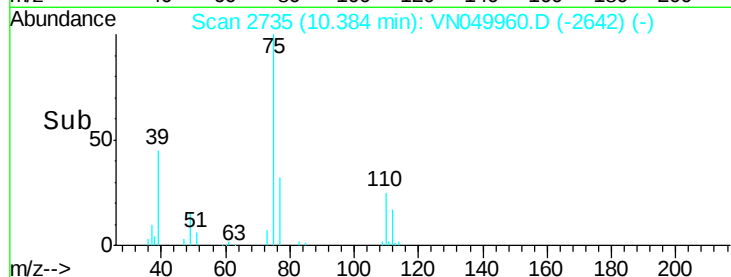
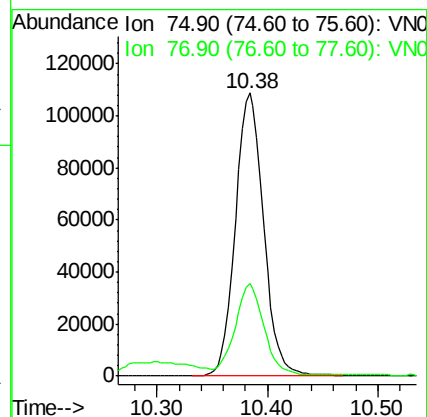
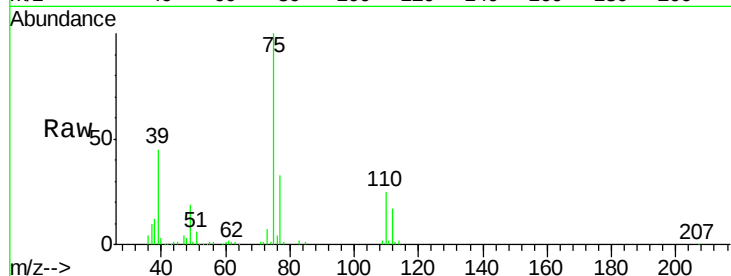
VN0720WBSD01

Tot Ion: 75 Resp: 193418

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.47 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

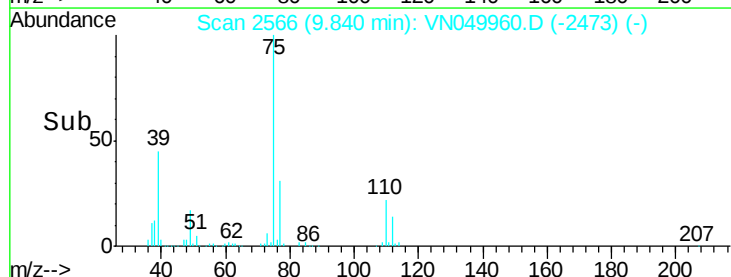
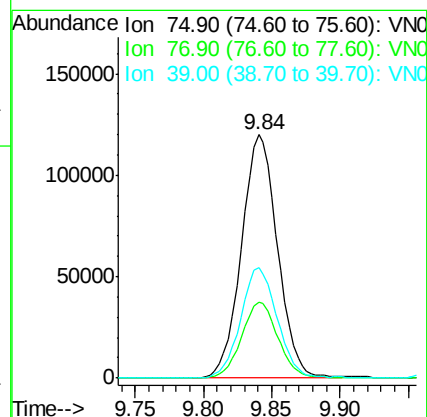
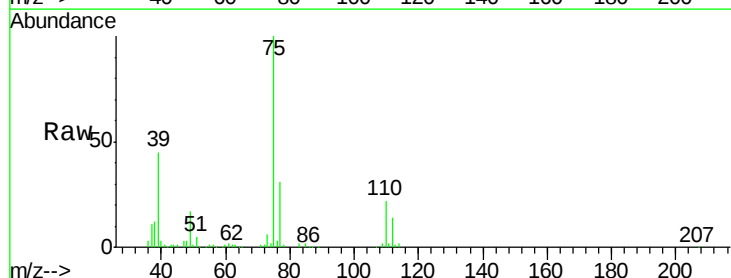
Tgt Ion: 75 Resp: 219864

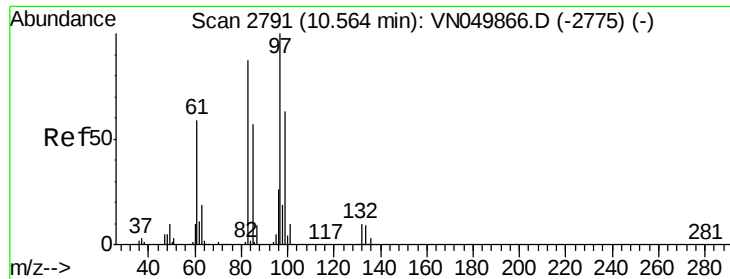
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 45.2 35.5 53.3

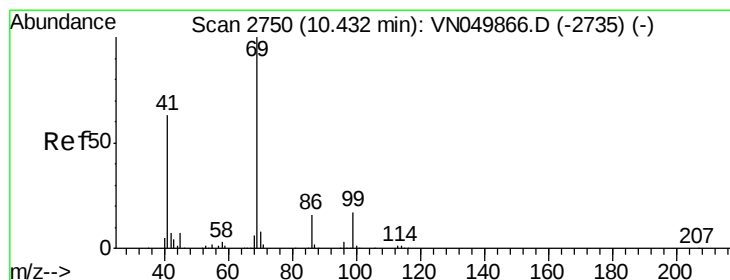
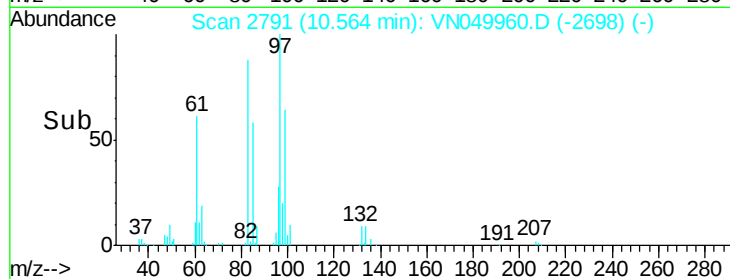
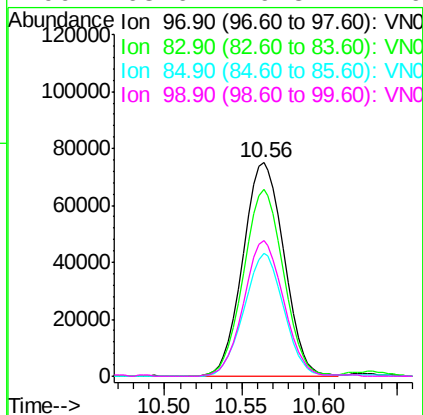
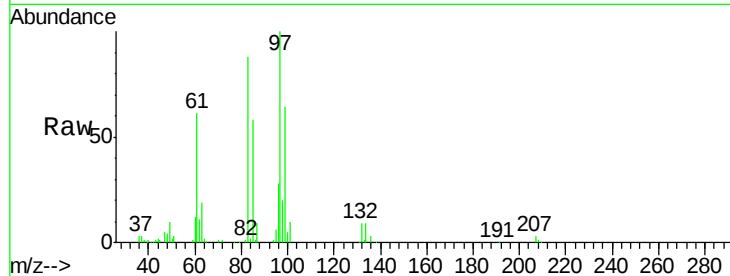




#55
 1,1,2-Trichloroethane
 Concen: 19.89 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

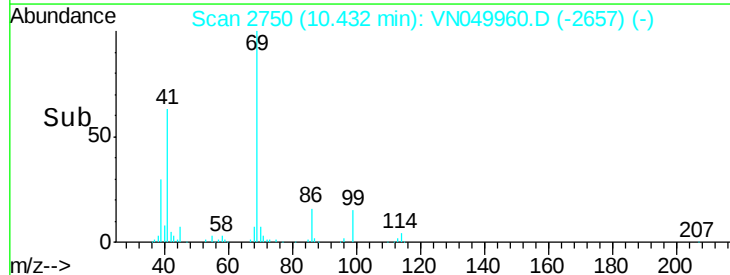
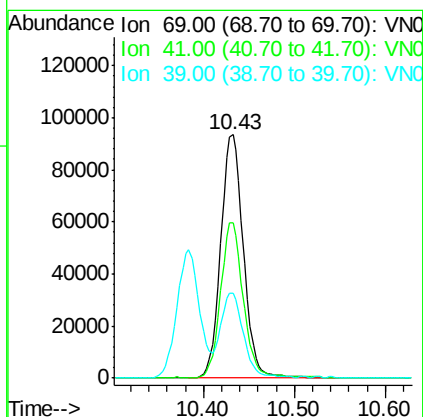
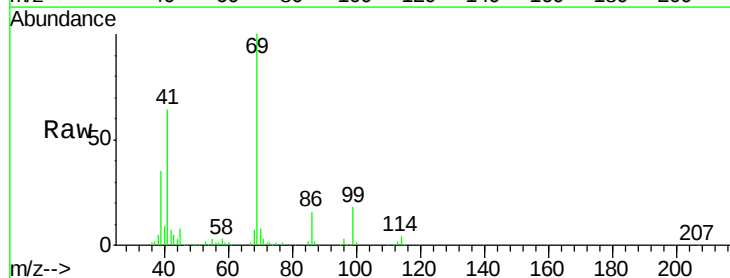
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

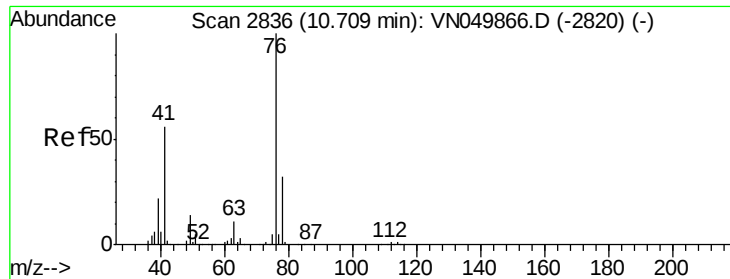
Tot Ion:	97	Resp:	139197
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.0	103.6
85	57.8	44.9	67.3
99	63.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 18.65 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion:	69	Resp:	162005
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.6	77.4
39	33.9	25.8	38.8

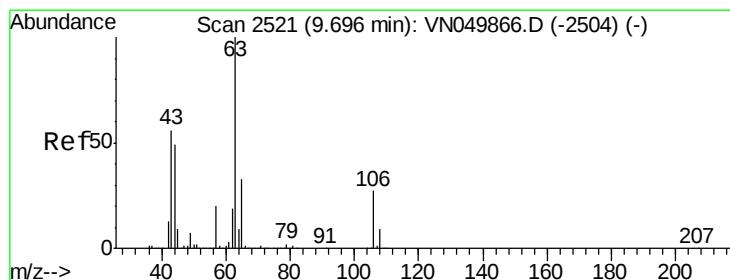
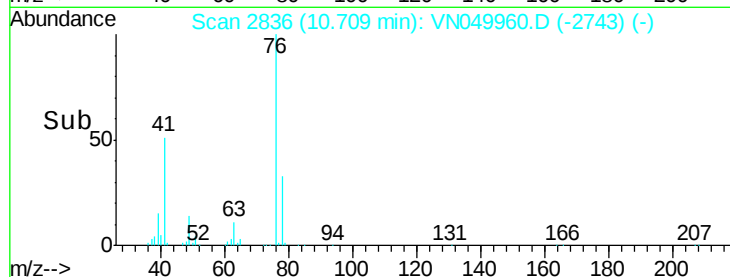
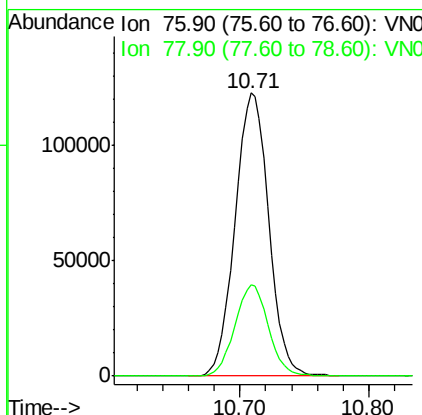
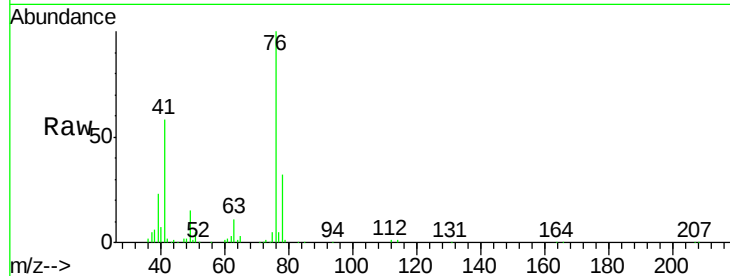




#57
 1,3-Dichloropropane
 Concen: 20.26 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

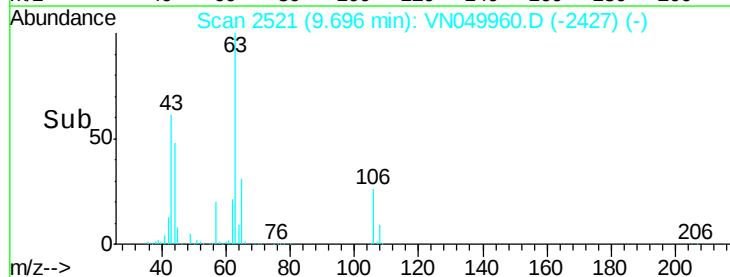
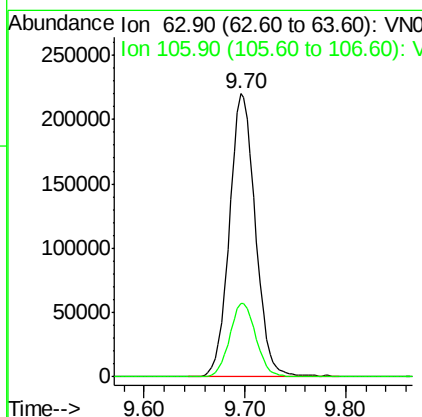
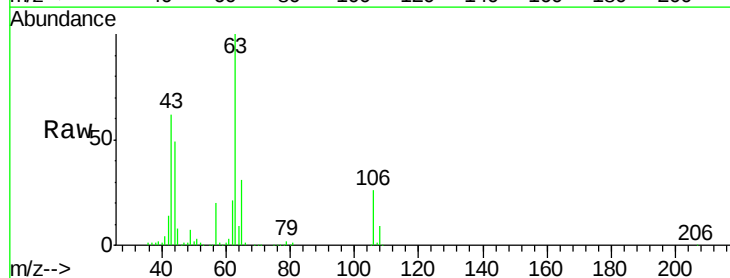
Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBSD01

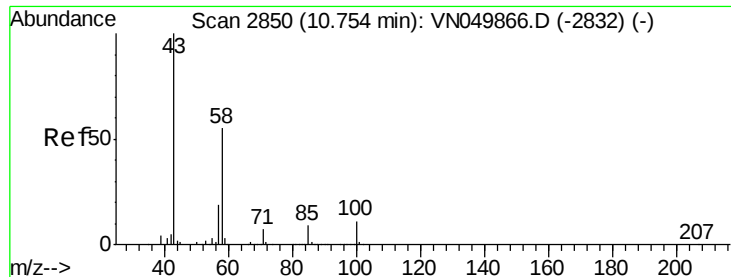
Tot Ion: 76 Resp: 223344
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.88 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion: 63 Resp: 395956
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.8 32.8

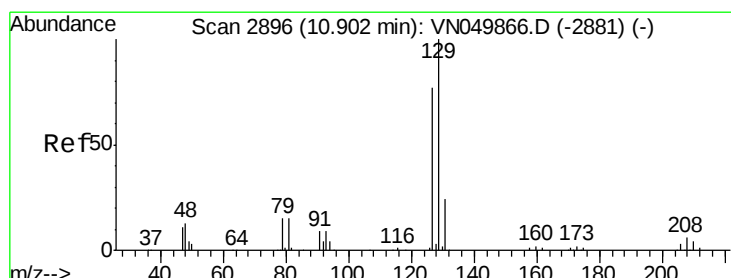
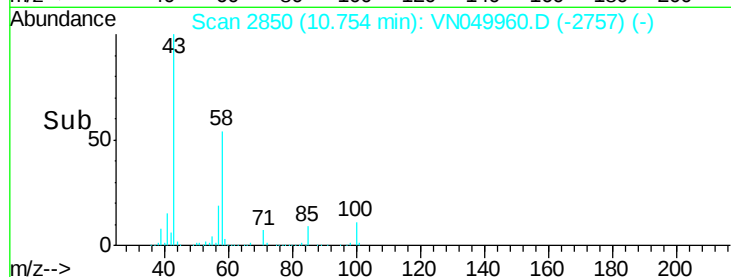
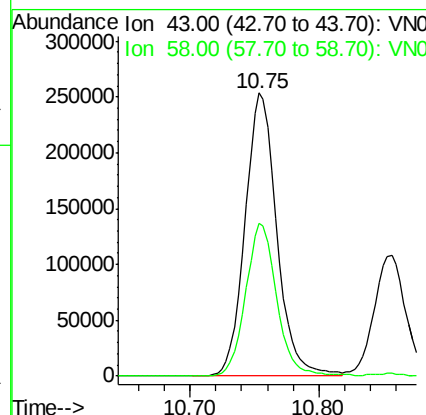
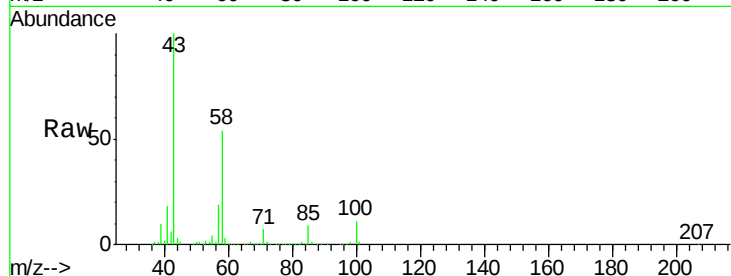




#59
2-Hexanone
Concen: 103.16 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

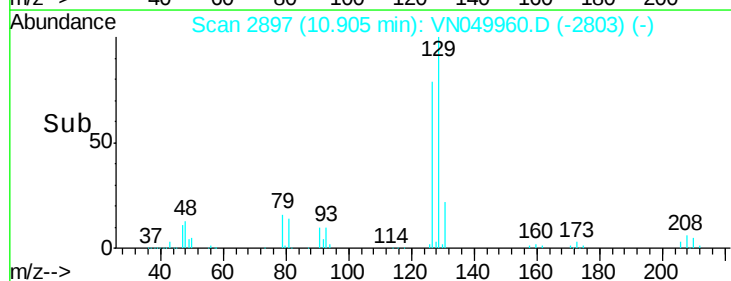
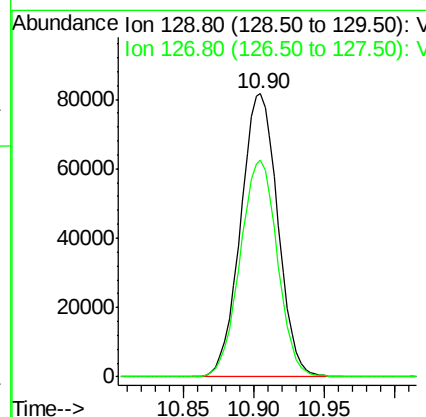
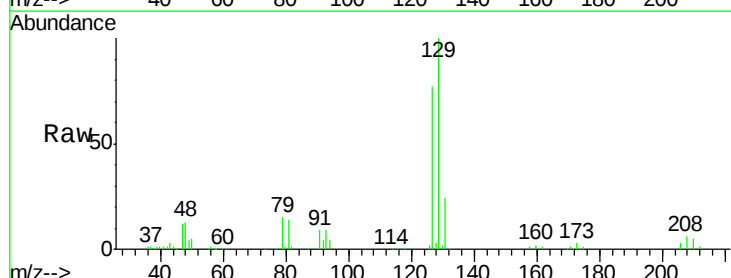
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

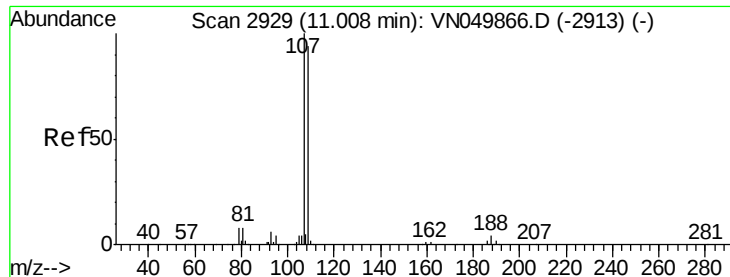
Tot Ion: 43 Resp: 433017
Ion Ratio Lower Upper
43 100
58 53.1 27.8 83.4



#60
Dibromochloromethane
Concen: 19.64 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion: 129 Resp: 150734
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9

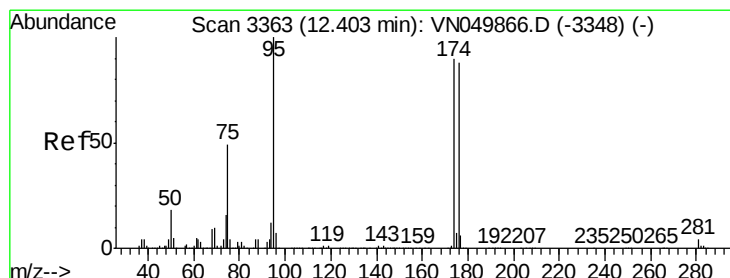
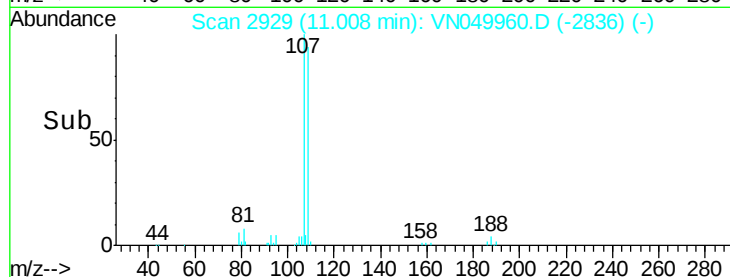
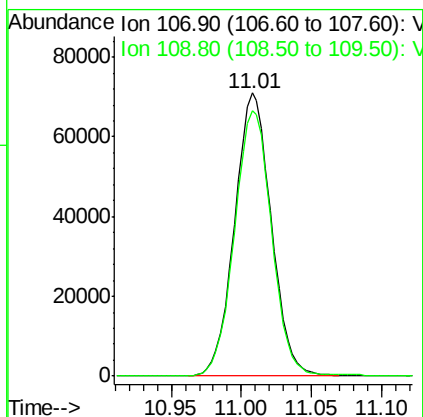
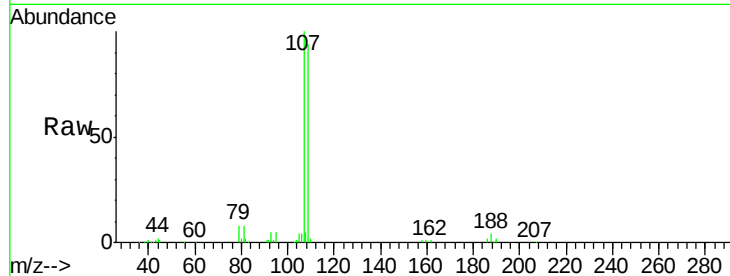




#61
 1,2-Dibromoethane
 Concen: 19.77 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

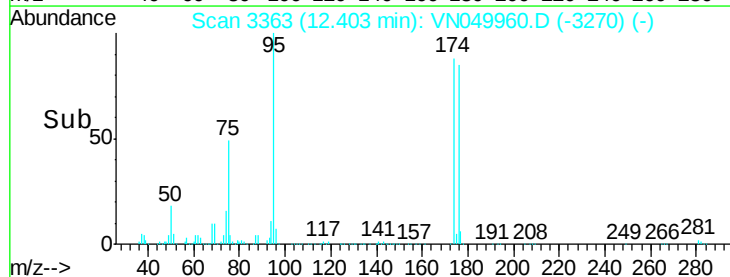
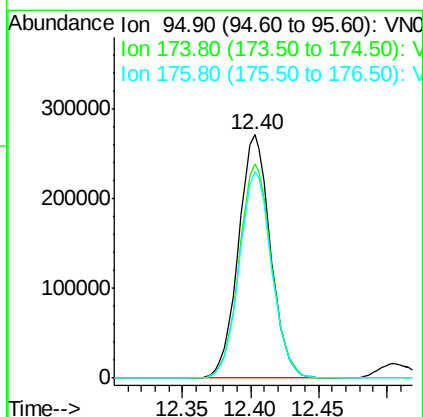
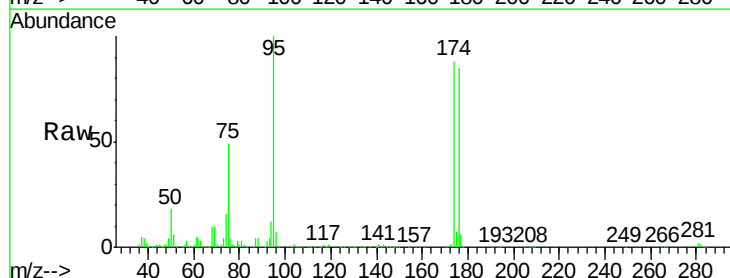
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

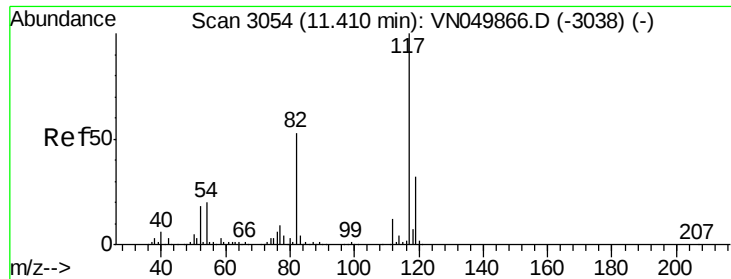
Tot Ion: 107 Resp: 129316
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.00 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion: 95 Resp: 441455
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 179.6
 176 85.9 0.0 174.0

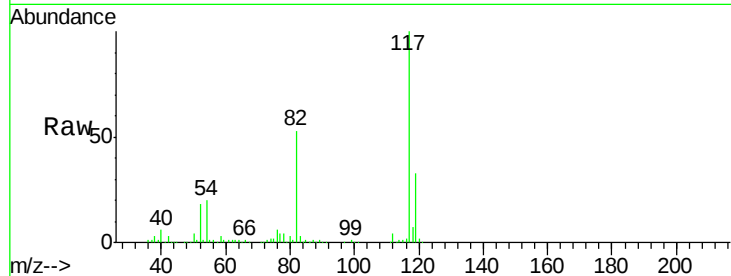




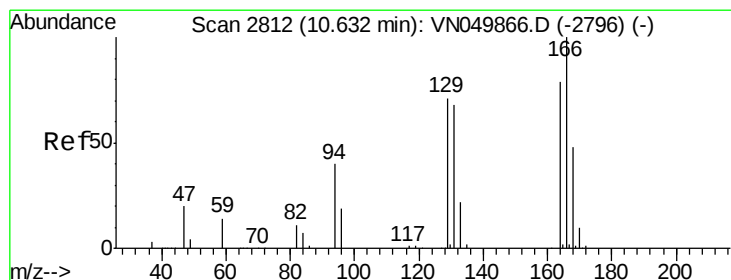
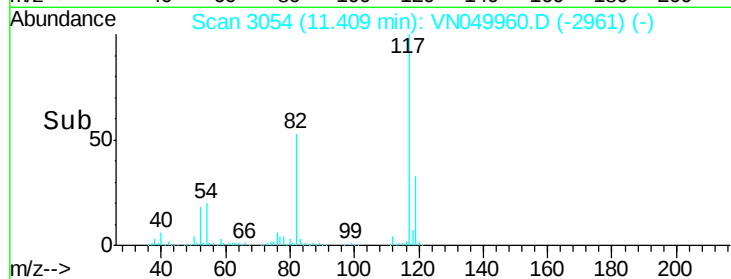
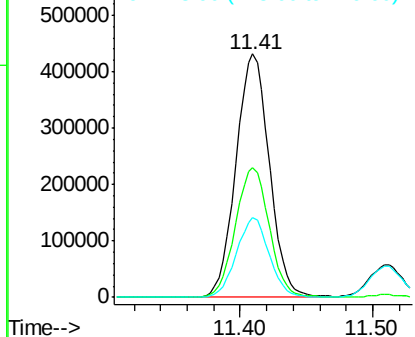
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:117 Resp: 755944
Ion Ratio Lower Upper
117 100
82 53.3 41.9 62.9
119 32.7 25.4 38.2

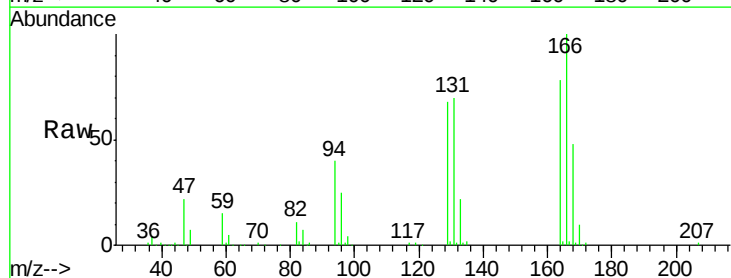


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

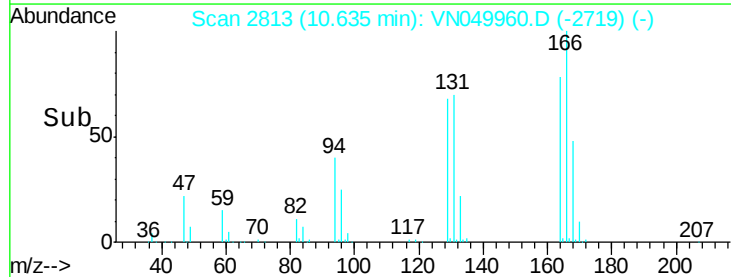
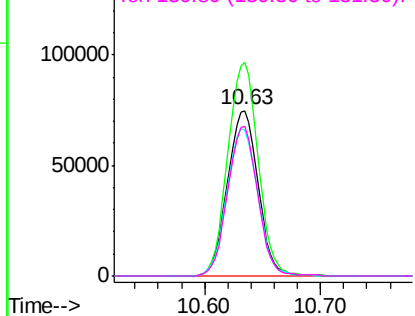


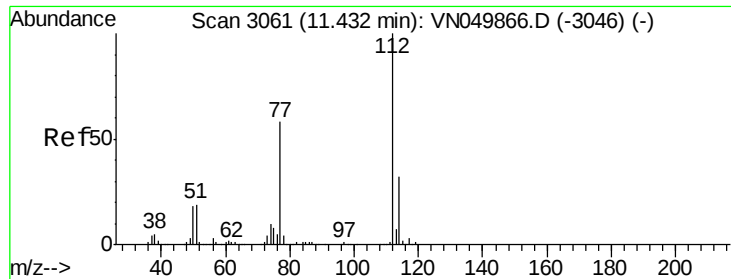
#64
Tetrachloroethene
Concen: 20.08 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:164 Resp: 136436
Ion Ratio Lower Upper
164 100
166 128.9 101.8 152.6
129 87.8 72.8 109.2
131 90.0 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

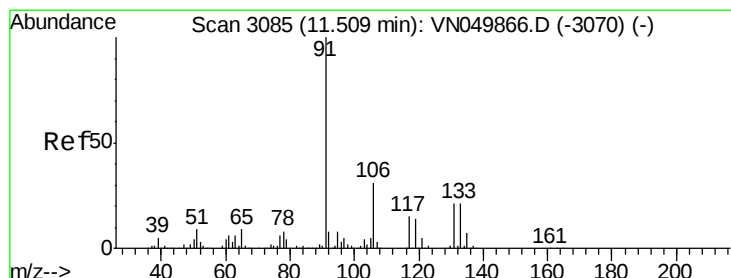
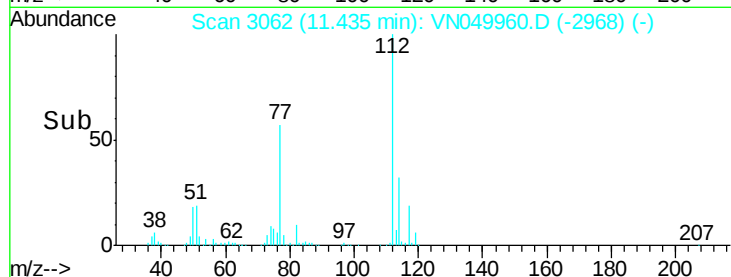
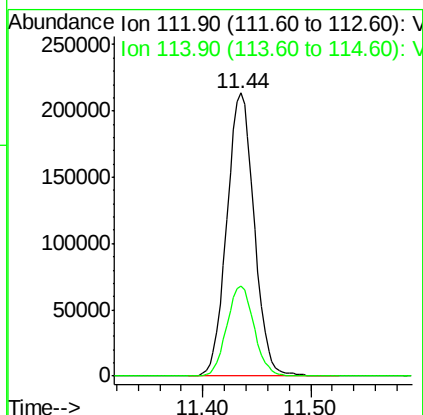
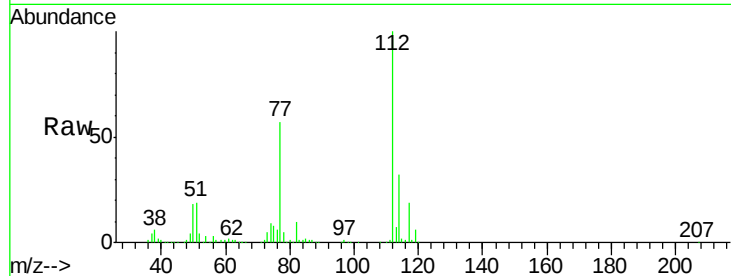




#65
Chlorobenzene
Concen: 19.81 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

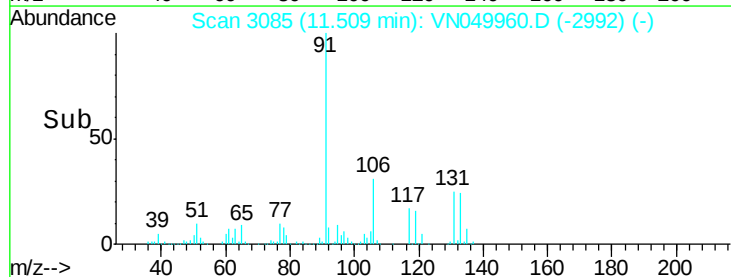
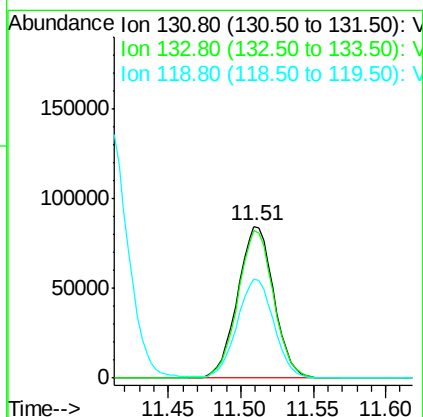
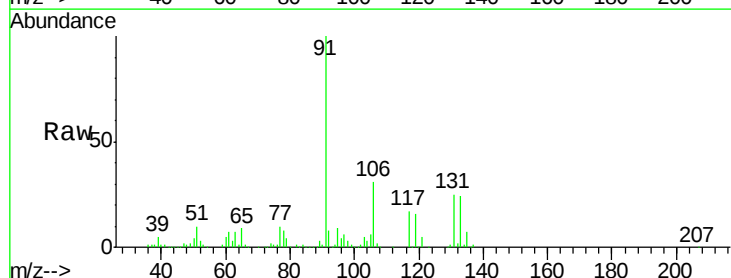
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

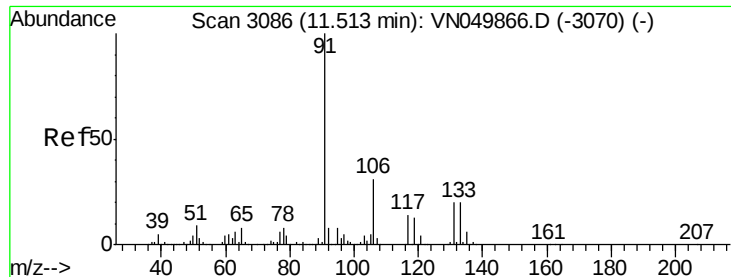
Tot Ion:112 Resp: 376219
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.01 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:131 Resp: 147194
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.84 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

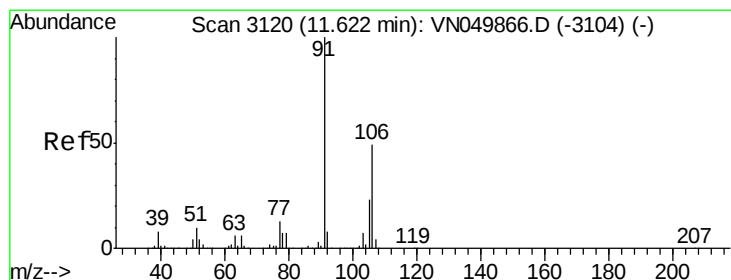
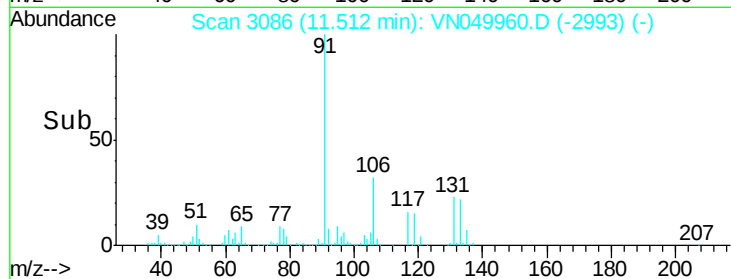
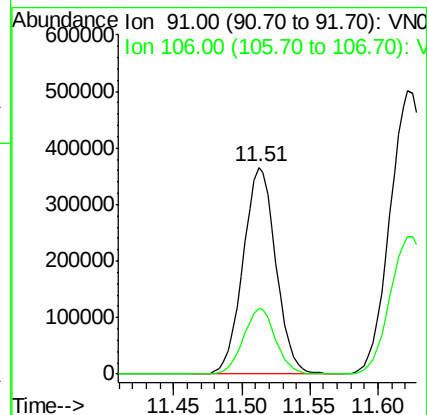
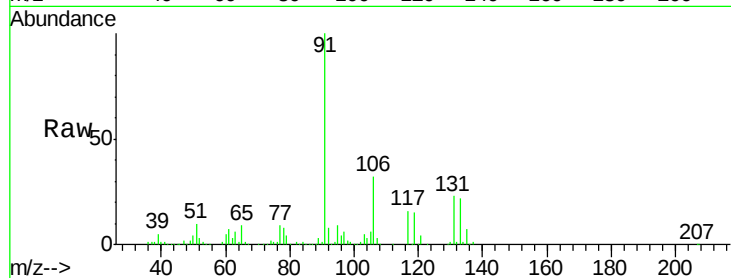
VN0720WBSD01

Tot Ion: 91 Resp: 611267

Ion Ratio Lower Upper

91 100

106 31.8 24.8 37.2



#68

m/p-Xylenes

Concen: 40.94 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049960.D

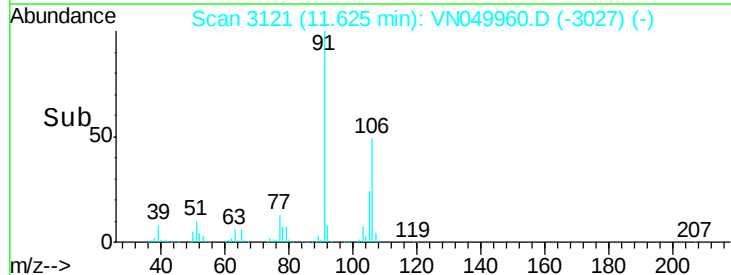
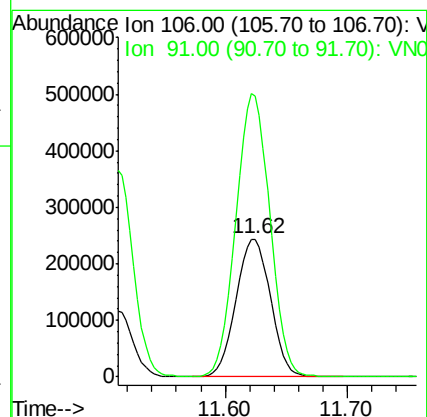
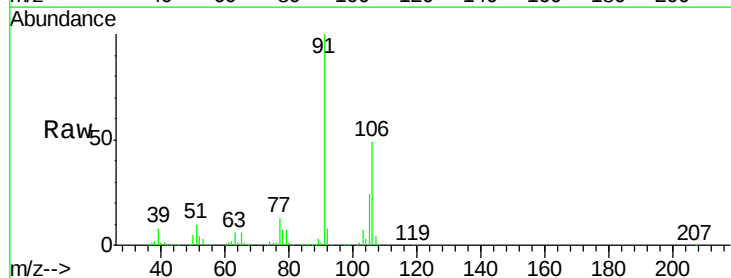
Acq: 20 Jul 2018 14:11

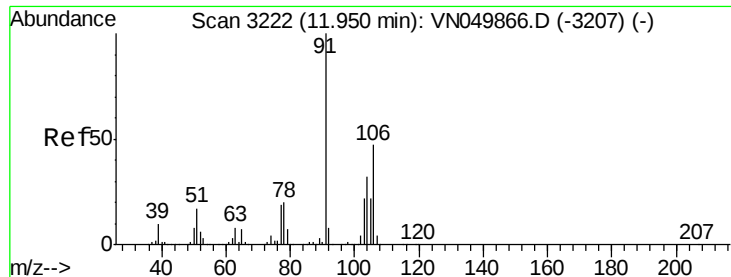
Tgt Ion: 106 Resp: 477491

Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2

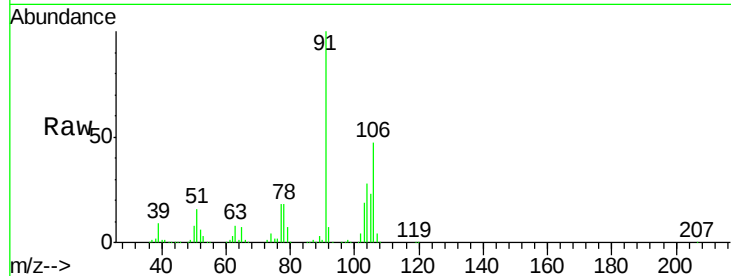




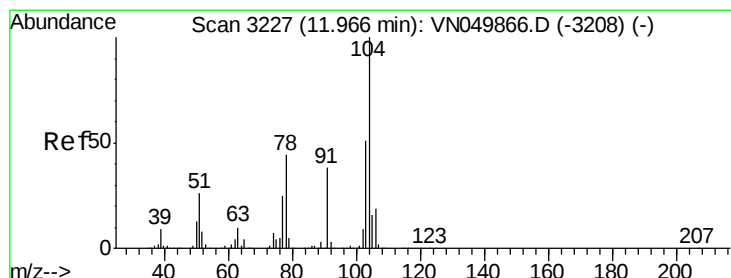
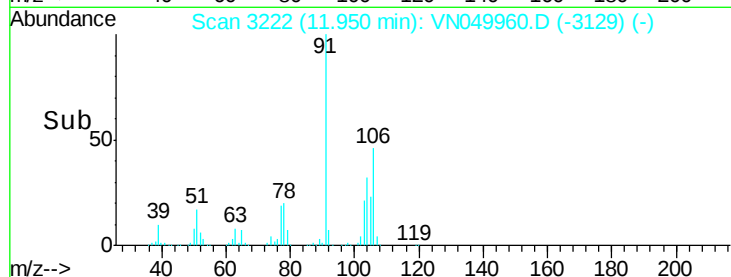
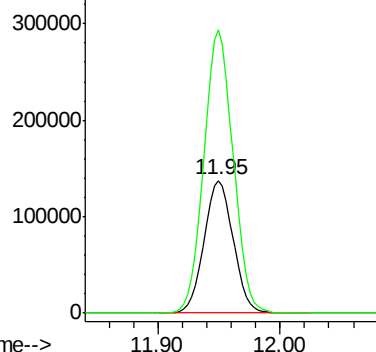
#69
o-Xylene
Concen: 20.36 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:106 Resp: 228050
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1

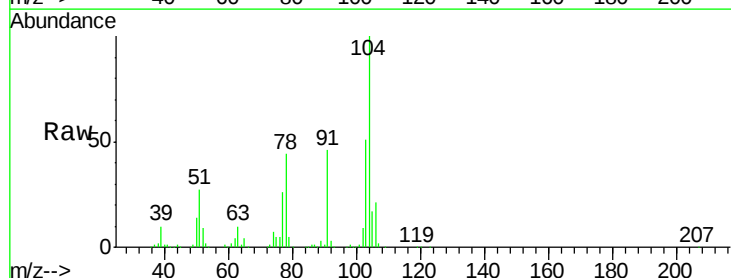


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

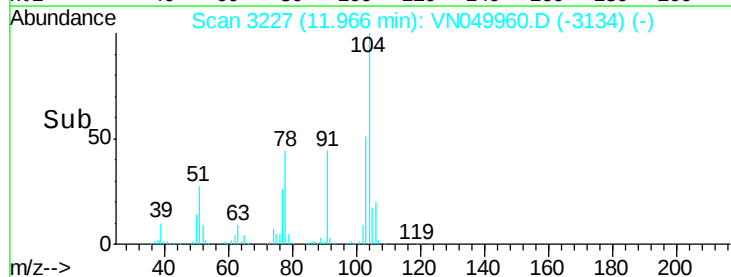
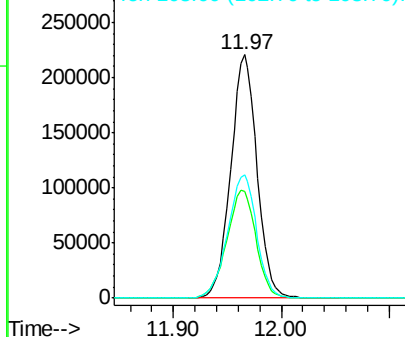


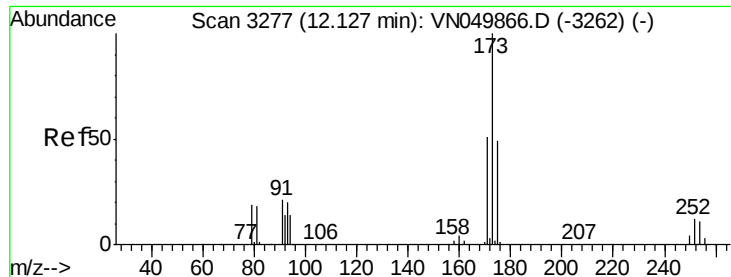
#70
Styrene
Concen: 20.64 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:104 Resp: 374480
Ion Ratio Lower Upper
104 100
78 49.3 39.2 58.8
103 56.0 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V

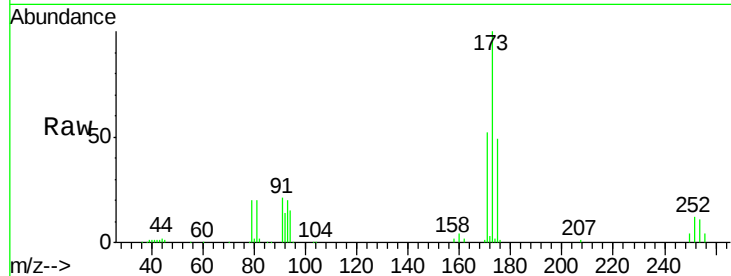




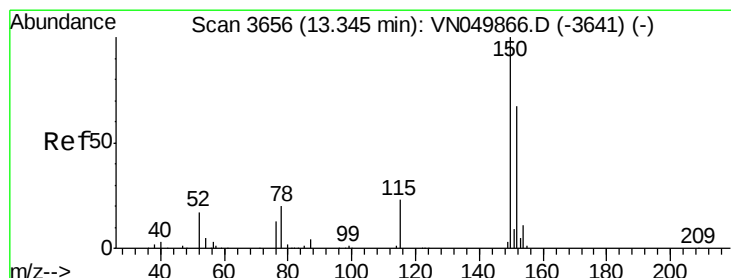
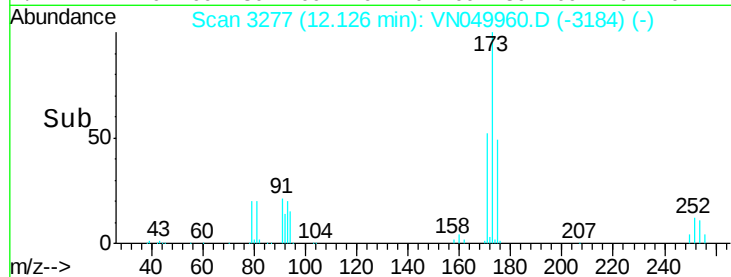
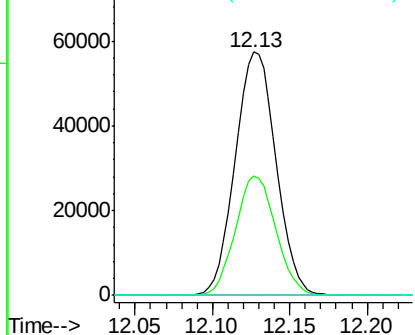
#71
Bromoform
Concen: 19.99 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:173 Resp: 105181
Ion Ratio Lower Upper
173 100
175 48.4 24.6 73.8
254 0.0 0.2 0.2#

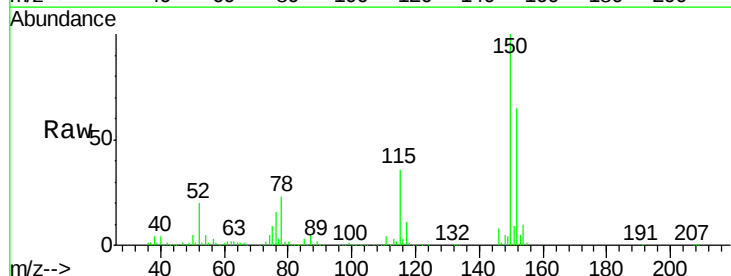


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

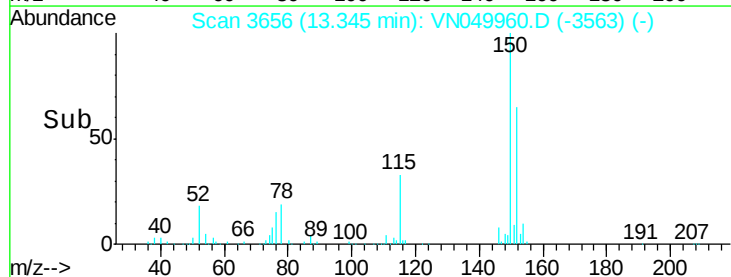
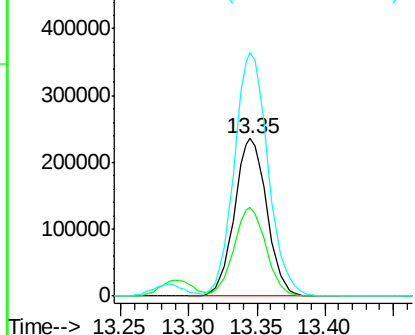


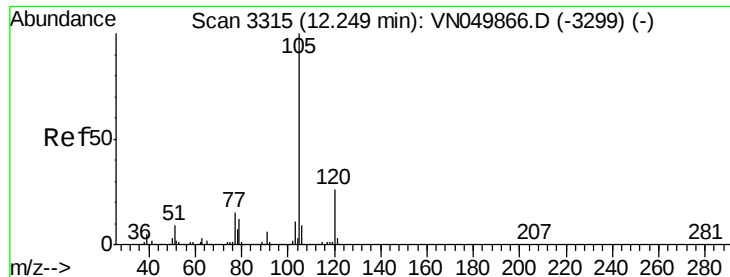
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:152 Resp: 386289
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.2
150 162.2 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: 20.71 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

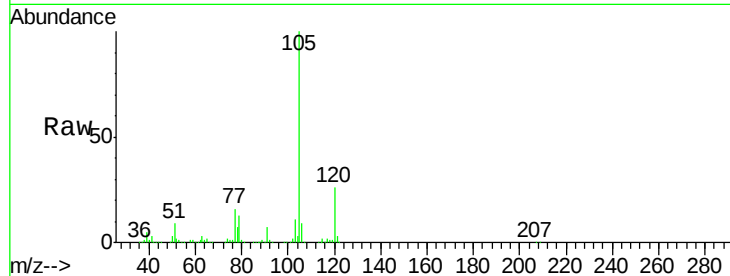
VN0720WBSD01

Tot Ion:105 Resp: 607689

Ion Ratio Lower Upper

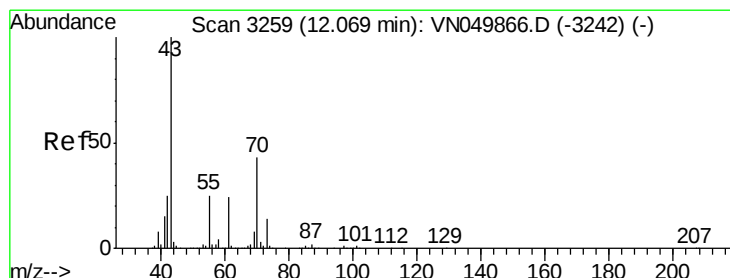
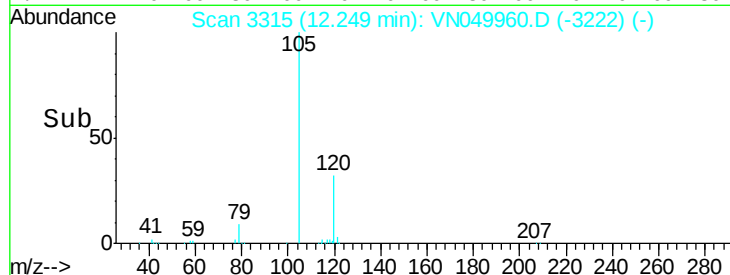
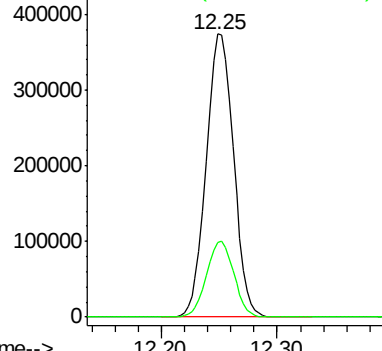
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.08 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Tgt Ion: 43 Resp: 179299

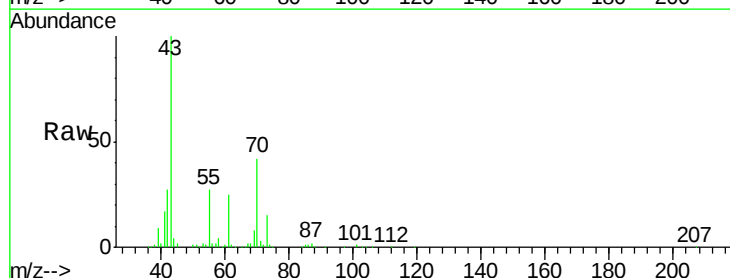
Ion Ratio Lower Upper

43 100

70 42.4 34.8 52.2

55 26.8 20.9 31.3

61 24.0 19.9 29.9

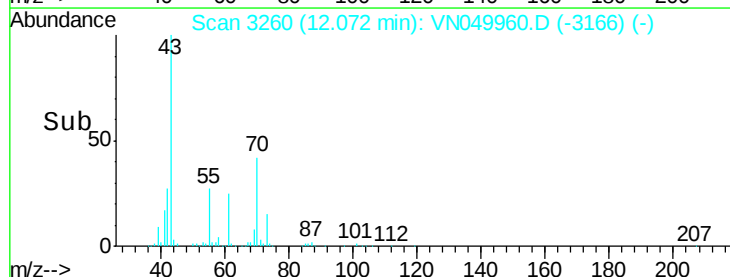
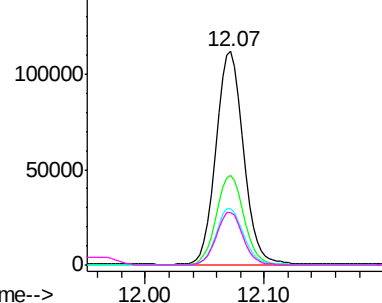


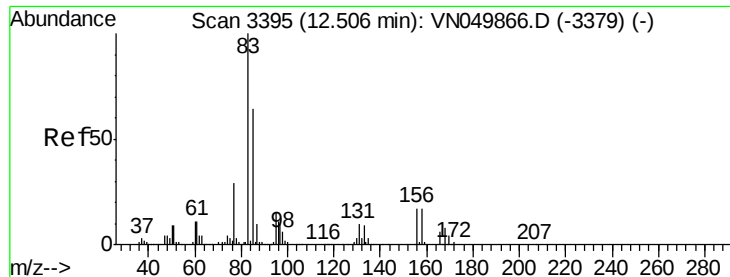
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD01

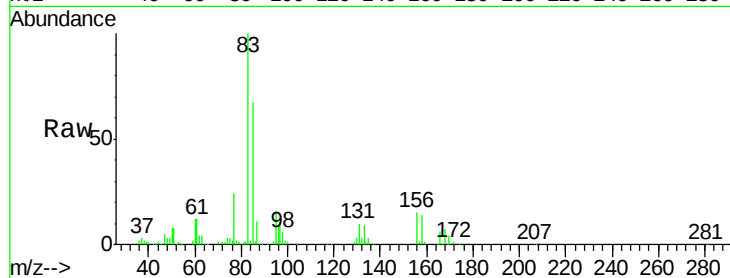
Tot Ion: 83 Resp: 177430

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

85 65.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0

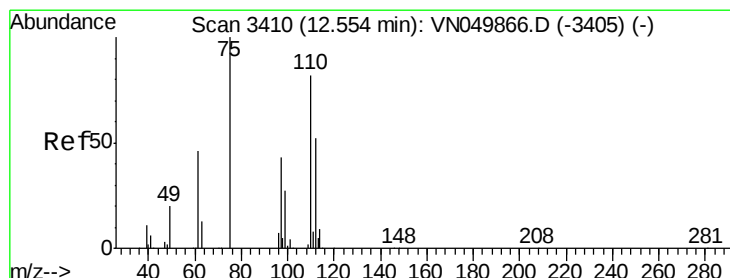
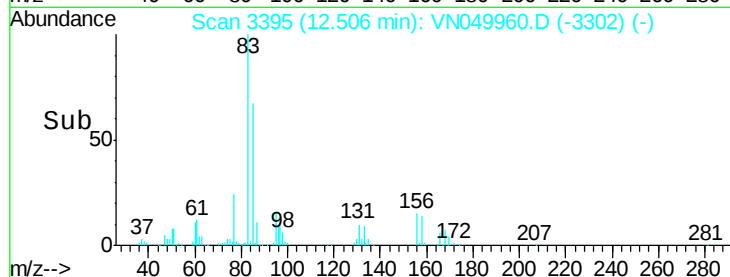
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.46 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049960.D

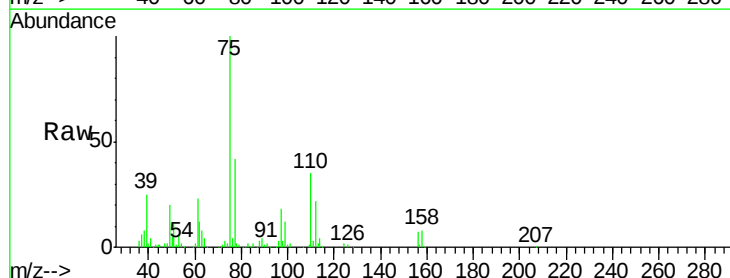
Acq: 20 Jul 2018 14:11

Tgt Ion: 75 Resp: 213441

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

12.55

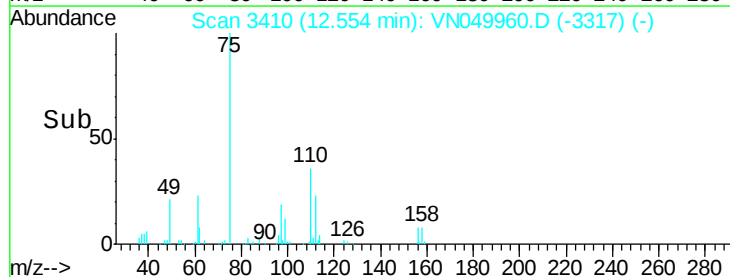
150000

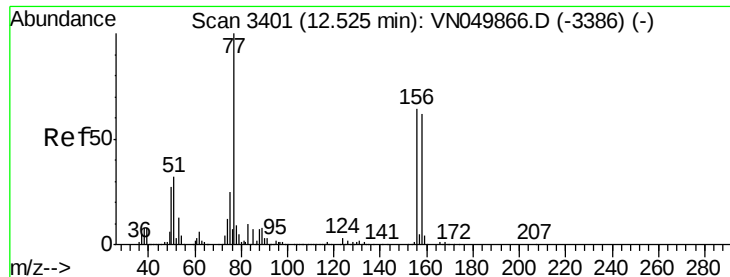
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 19.84 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

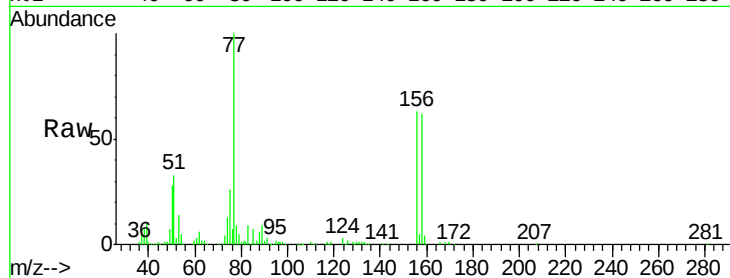
Tot Ion:156 Resp: 160767

Ion Ratio Lower Upper

156 100

77 185.9 90.2 270.6

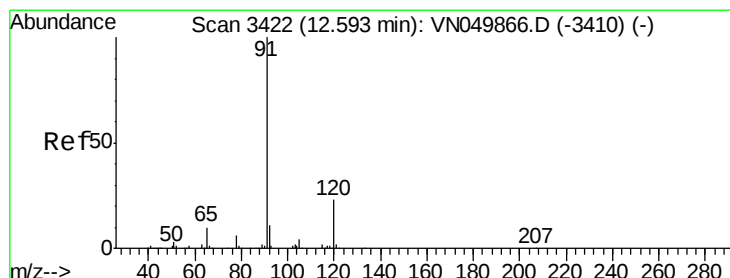
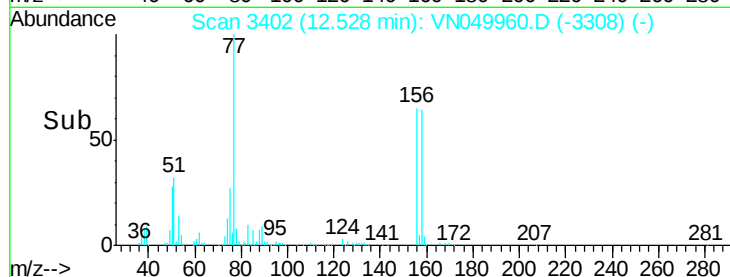
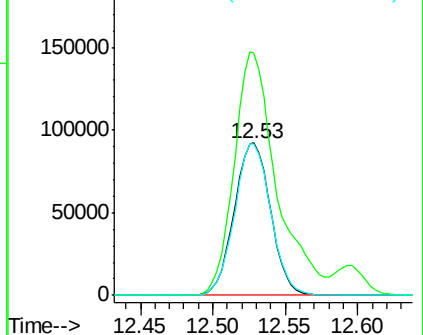
158 98.7 49.1 147.3



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: 20.88 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049960.D

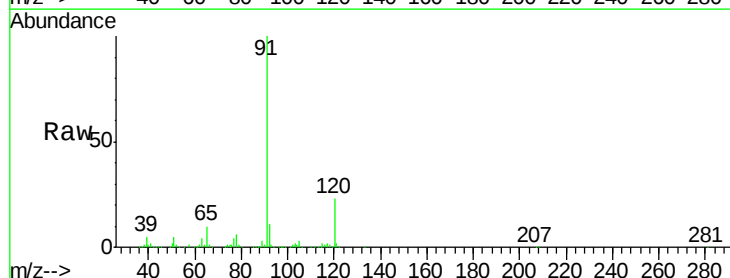
Acq: 20 Jul 2018 14:11

Tgt Ion: 91 Resp: 696584

Ion Ratio Lower Upper

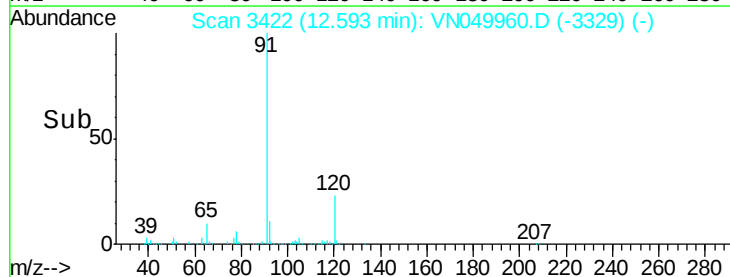
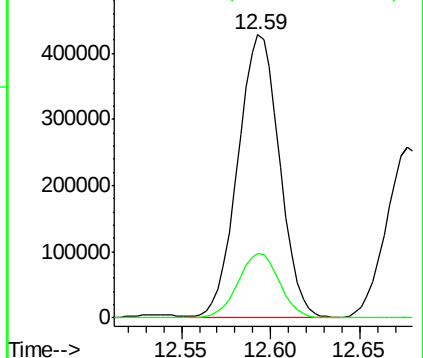
91 100

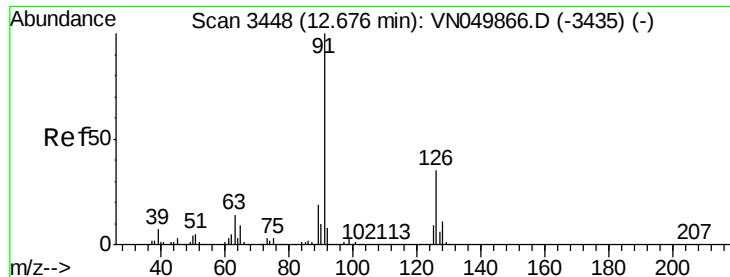
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.80 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

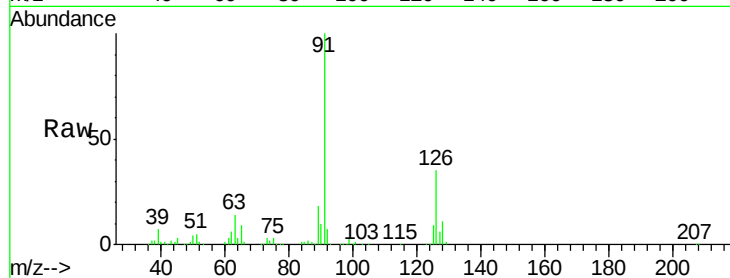
VN0720WBSD01

Tot Ion: 91 Resp: 426037

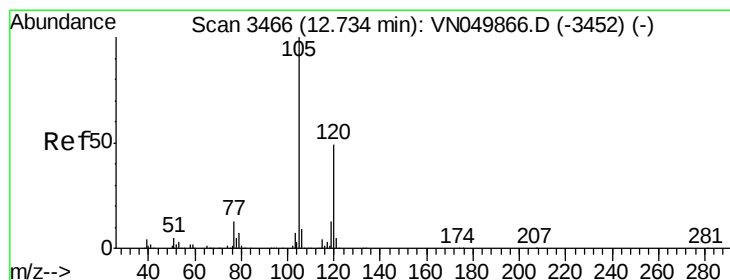
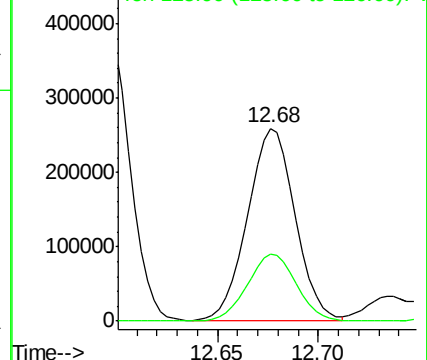
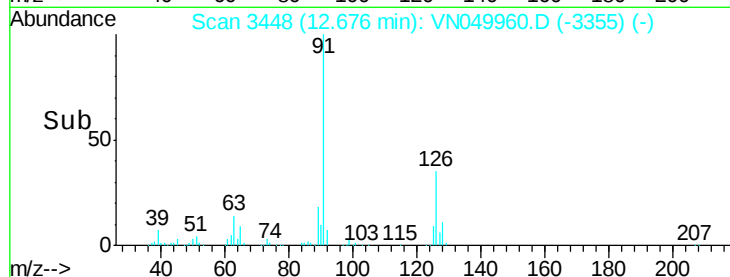
Ion Ratio Lower Upper

91 100

126 35.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049960.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.31 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049960.D

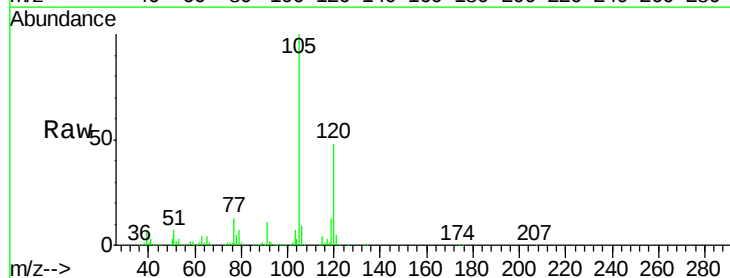
Acq: 20 Jul 2018 14:11

Tgt Ion: 105 Resp: 501304

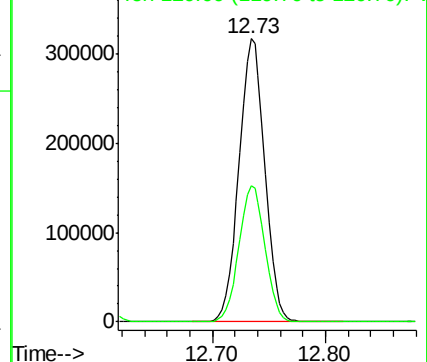
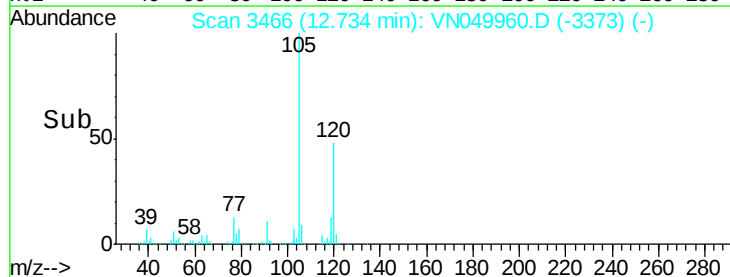
Ion Ratio Lower Upper

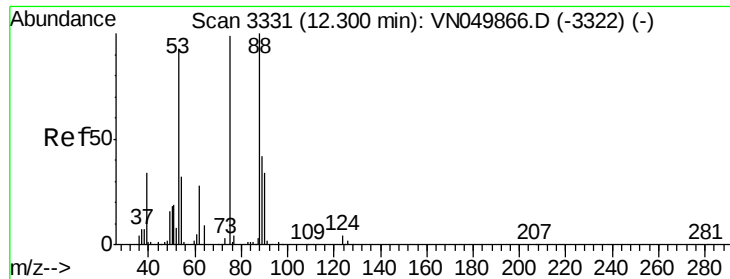
105 100

120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049960.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.28 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD01

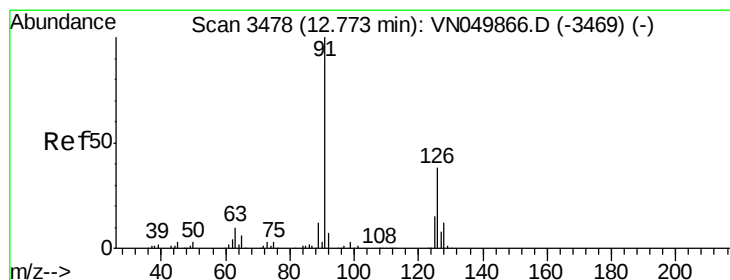
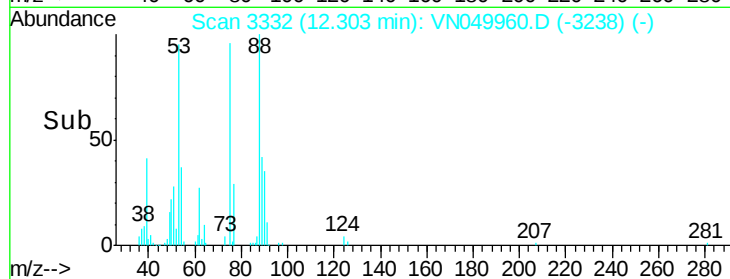
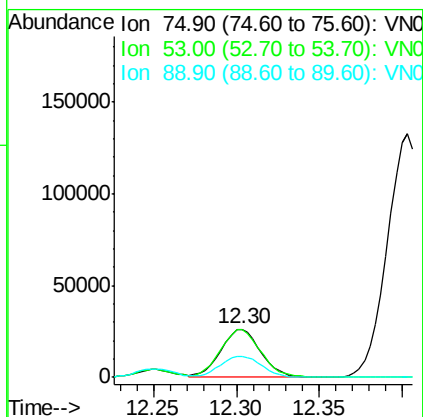
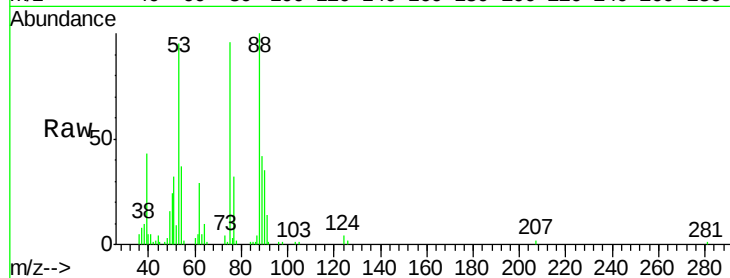
Tot Ion: 75 Resp: 44686

Ion Ratio Lower Upper

75 100

53 99.2 73.9 110.9

89 45.1 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.02 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049960.D

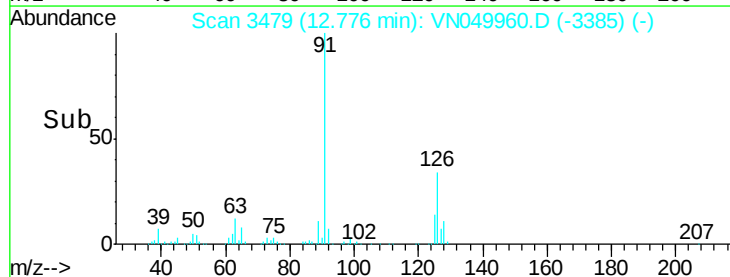
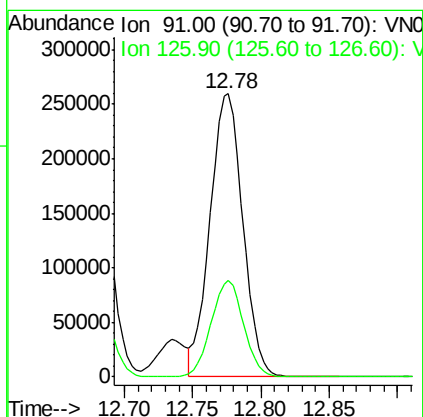
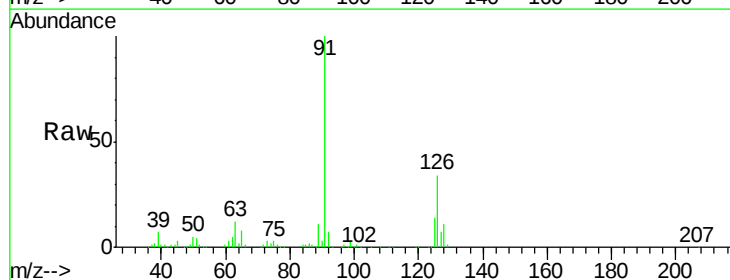
Acq: 20 Jul 2018 14:11

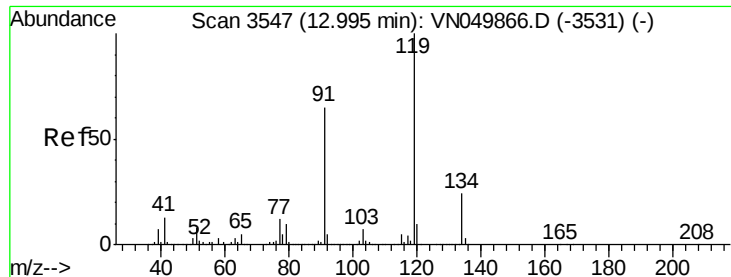
Tgt Ion: 91 Resp: 431841

Ion Ratio Lower Upper

91 100

126 33.8 17.2 51.6

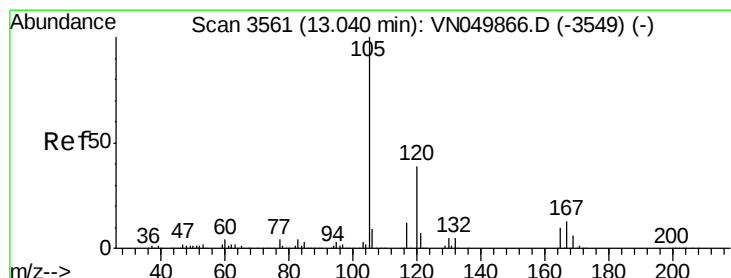
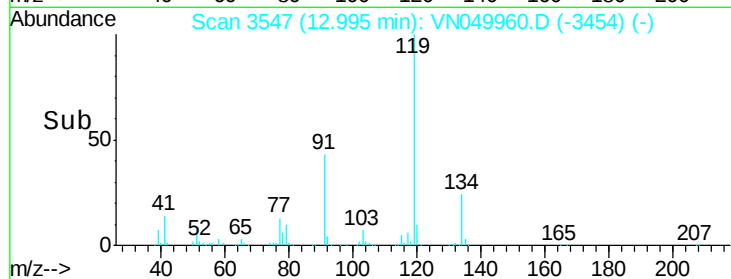
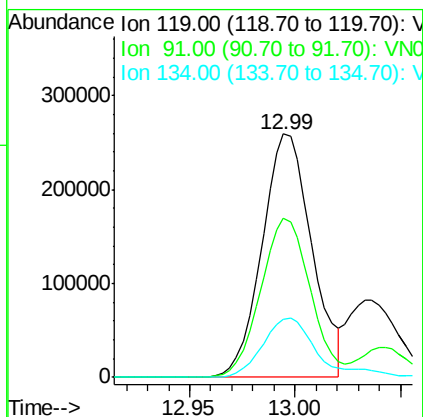
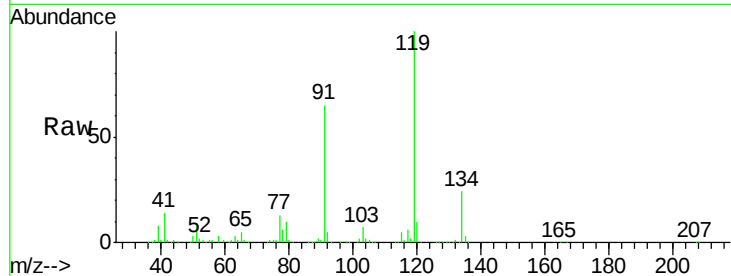




#83
tert-Butylbenzene
Concen: 20.62 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

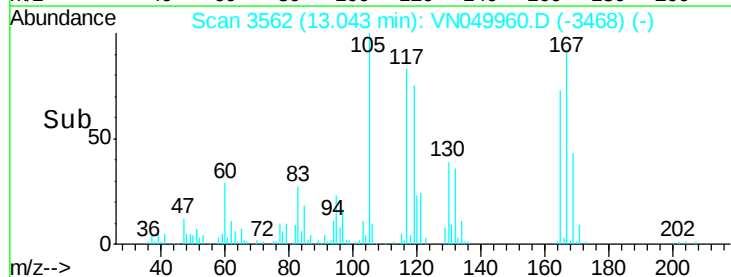
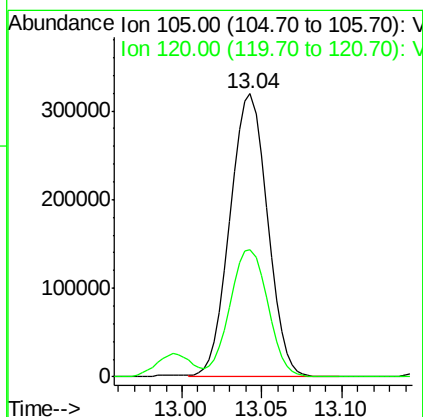
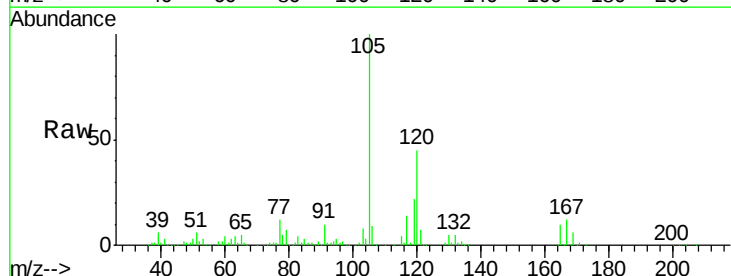
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD01

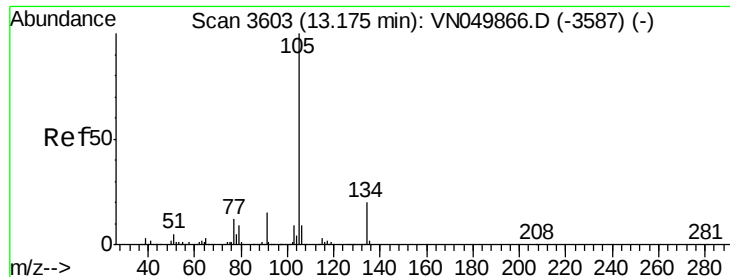
Tot Ion:119 Resp: 425839
Ion Ratio Lower Upper
119 100
91 65.1 32.0 96.2
134 27.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 21.38 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:105 Resp: 509313
Ion Ratio Lower Upper
105 100
120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

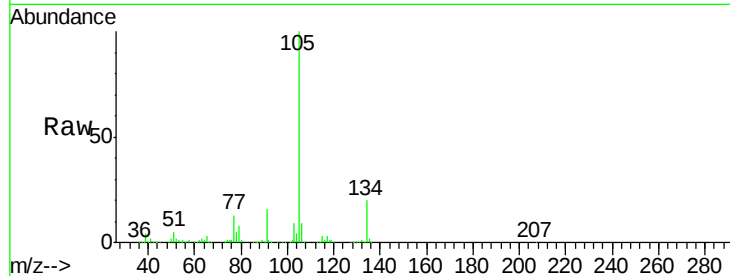
VN0720WBSD01

Tot Ion:105 Resp: 579813

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

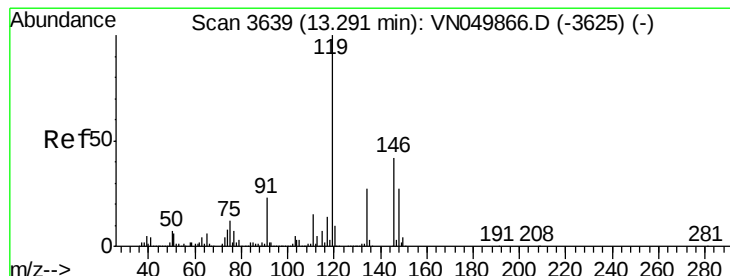
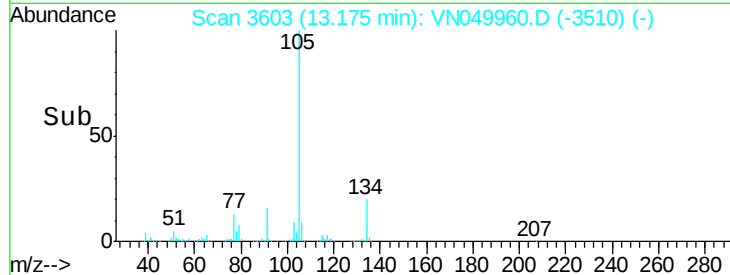
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.07 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

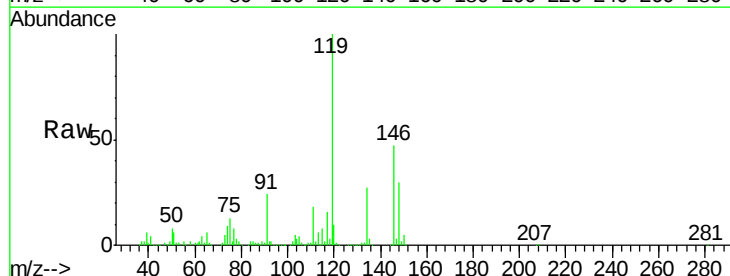
Tgt Ion:119 Resp: 490316

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 23.2 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

13.29

400000

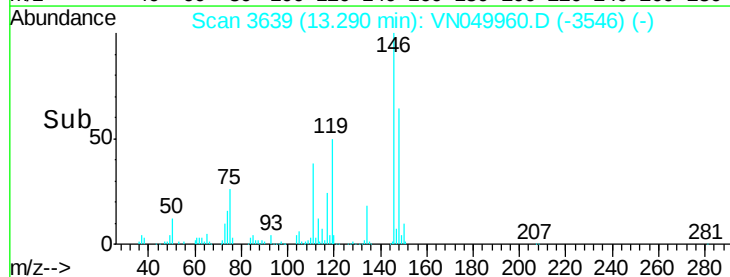
300000

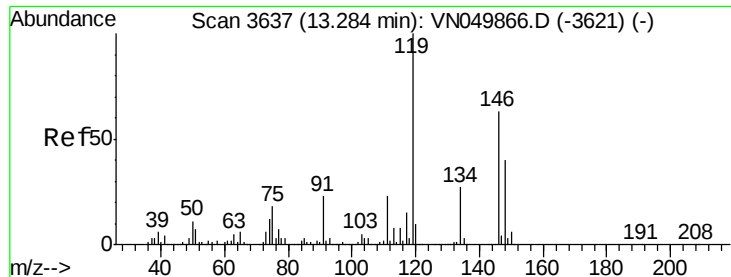
200000

100000

0

Time-->

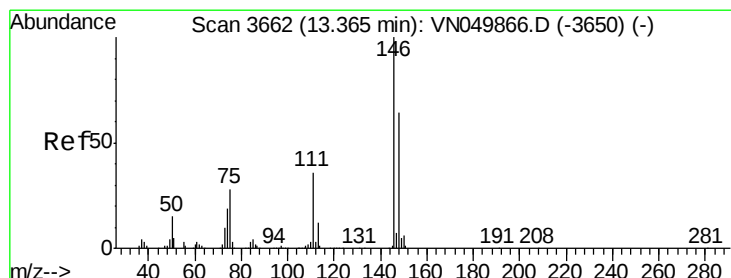
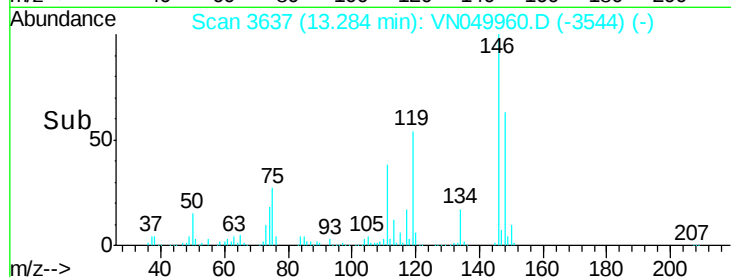
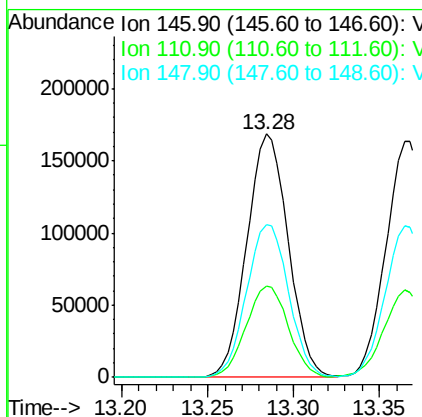
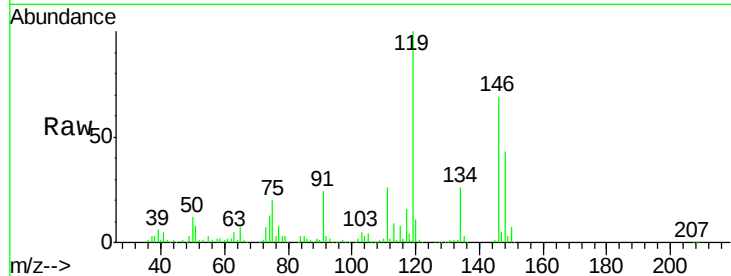




#87
 1,3-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

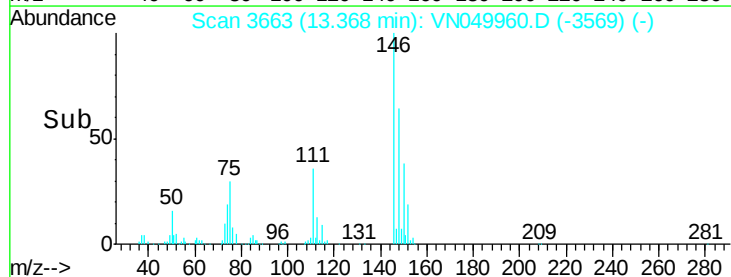
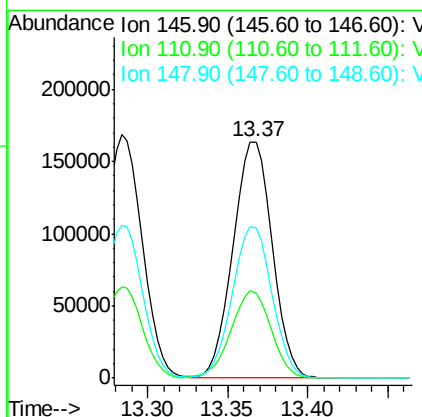
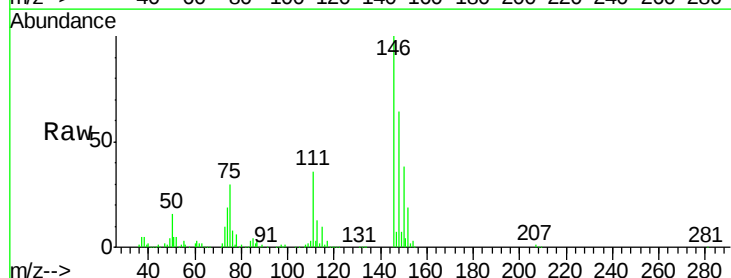
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

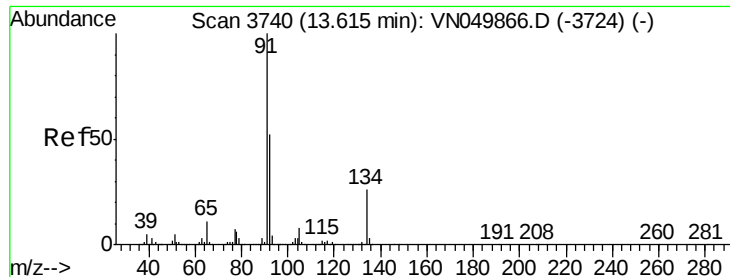
Tot Ion:146 Resp: 281966
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 63.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion:146 Resp: 273506
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.5
 148 65.0 32.1 96.3





#89

n-Butylbenzene

Concen: 19.86 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

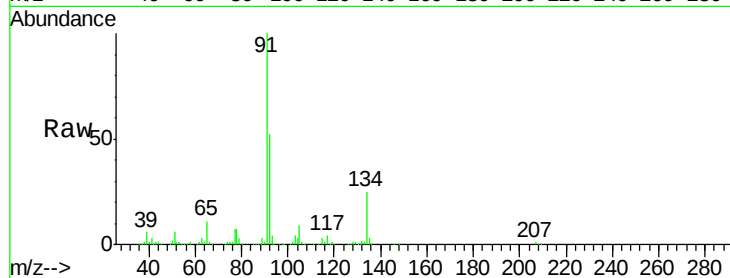
Tot Ion: 91 Resp: 381549

Ion Ratio Lower Upper

91 100

92 50.7 25.8 77.3

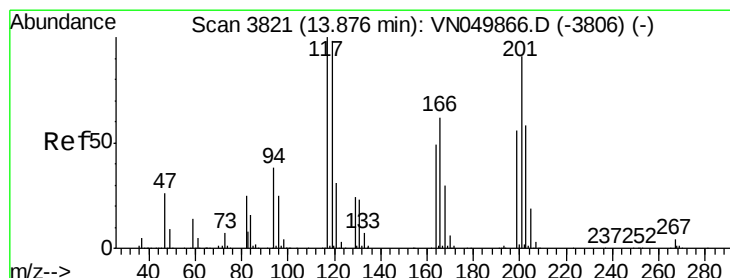
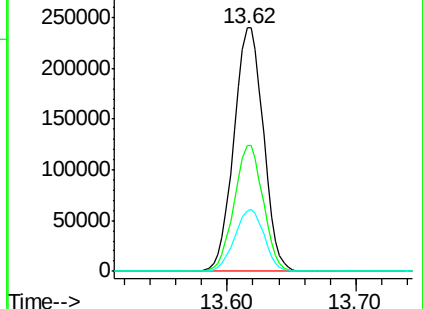
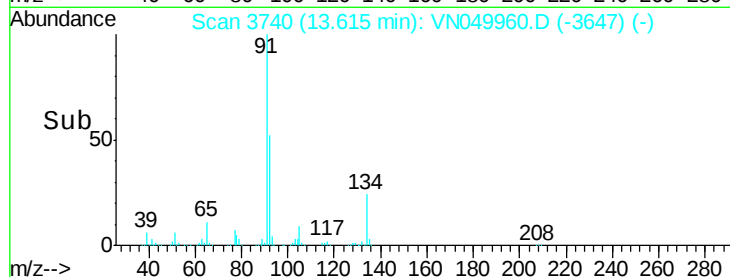
134 25.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049960.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049960.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049960.D (-3647) (-)



#90

Hexachloroethane

Concen: 18.95 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049960.D

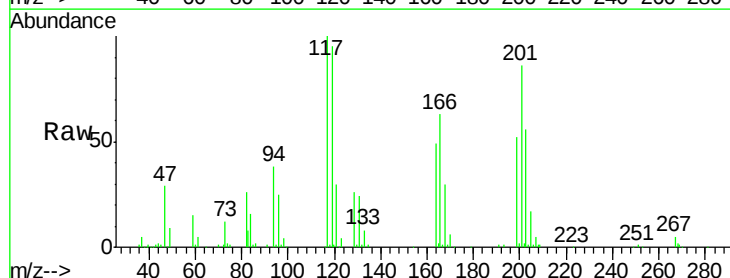
Acq: 20 Jul 2018 14:11

Tgt Ion: 117 Resp: 98955

Ion Ratio Lower Upper

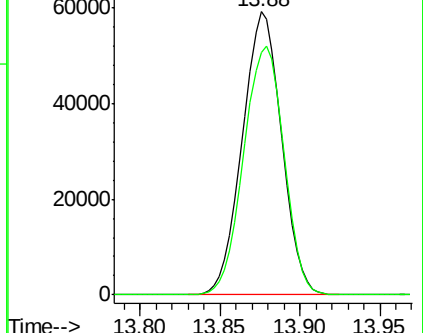
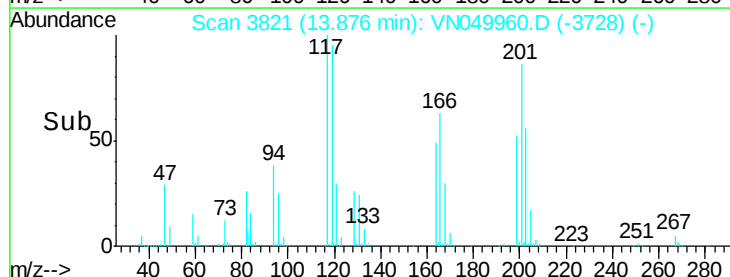
117 100

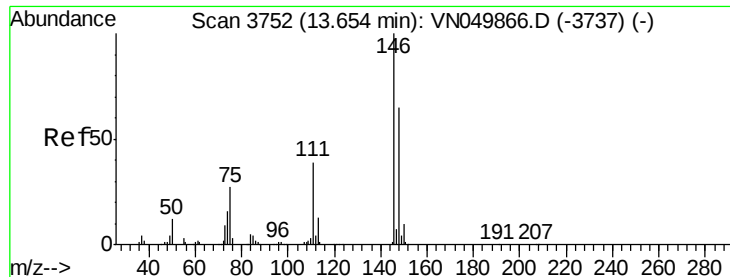
201 90.5 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049960.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049960.D (-3728) (-)





#91

1,2-Dichlorobenzene

Concen: 20.53 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

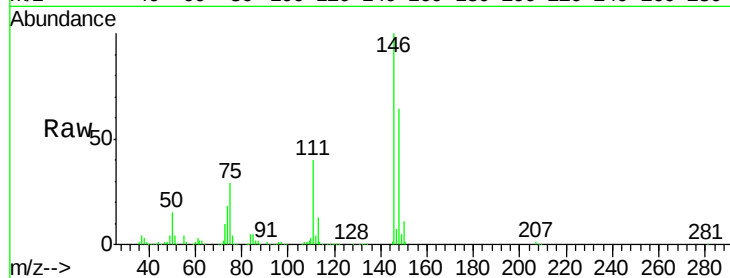
Tot Ion:146 Resp: 285015

Ion Ratio Lower Upper

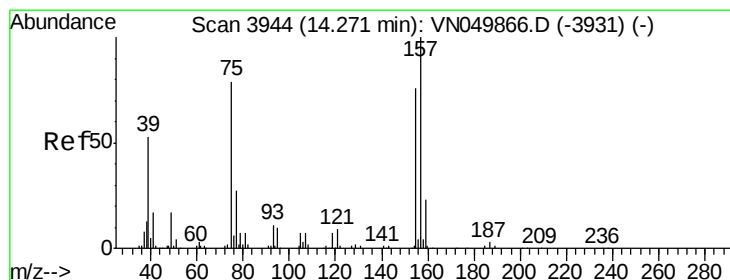
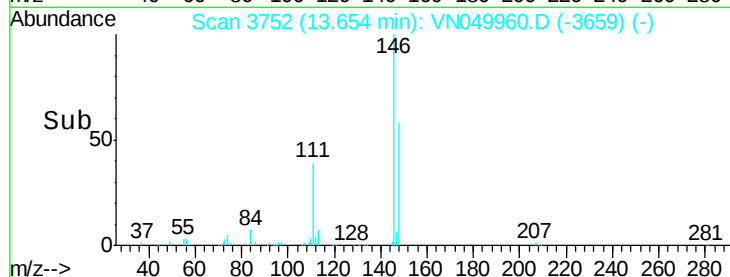
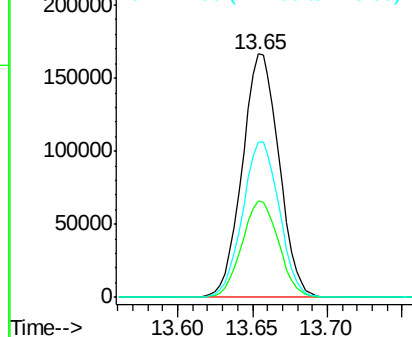
146 100

111 39.4 19.7 59.1

148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.73 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049960.D

Acq: 20 Jul 2018 14:11

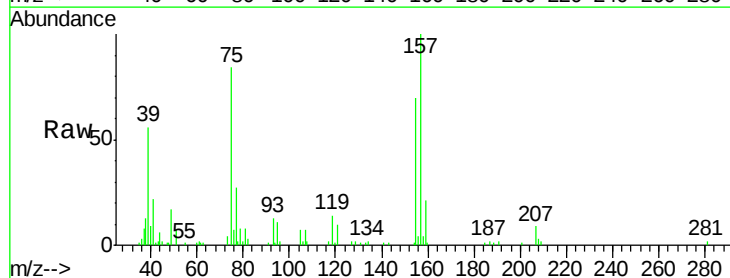
Tgt Ion: 75 Resp: 26800

Ion Ratio Lower Upper

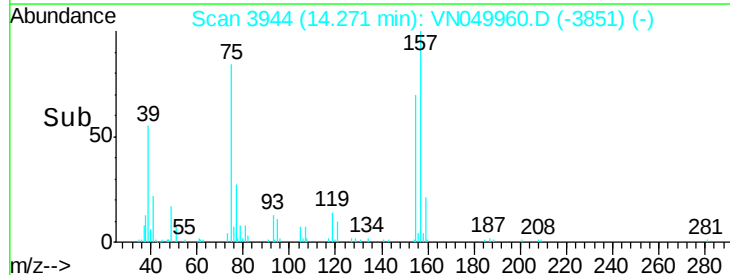
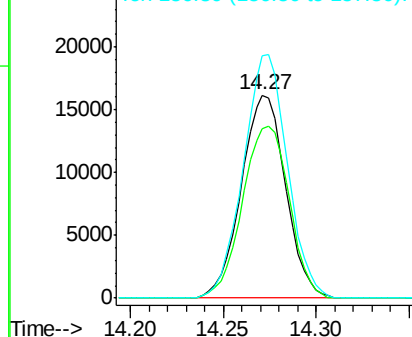
75 100

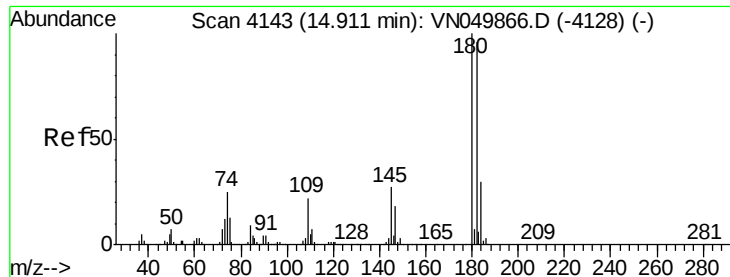
155 89.3 45.7 137.1

157 119.2 56.9 170.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

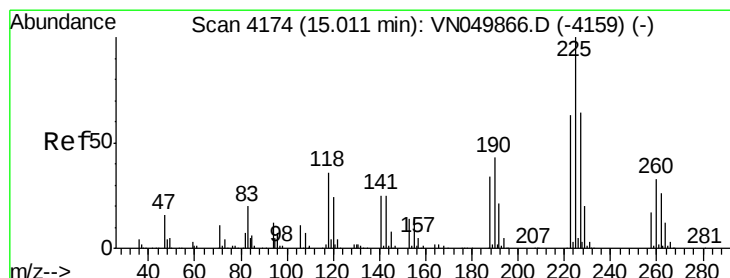
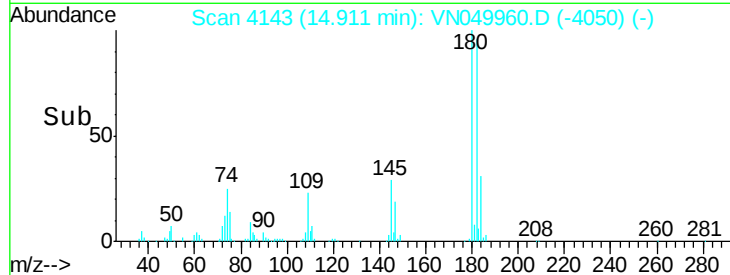
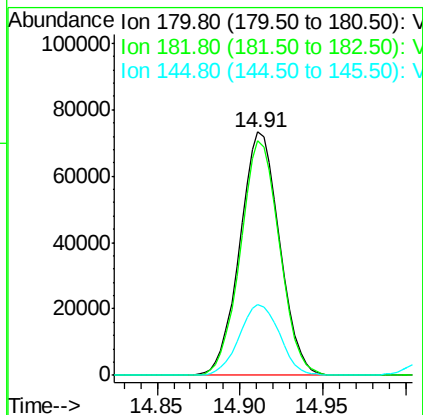
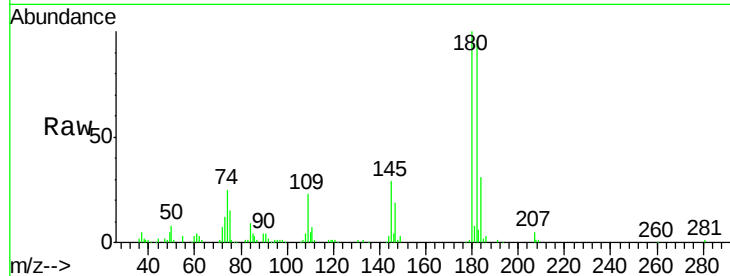




#93
 1,2,4-Trichlorobenzene
 Concen: 18.30 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

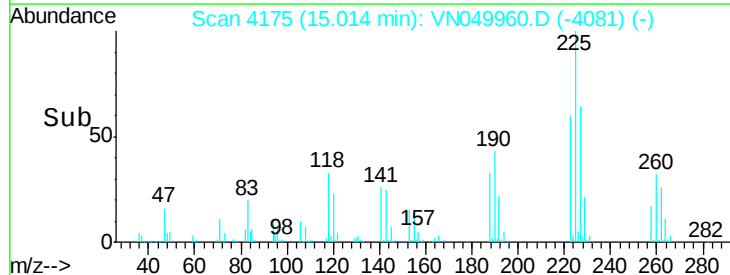
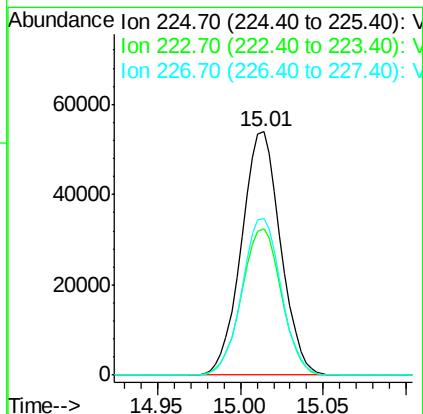
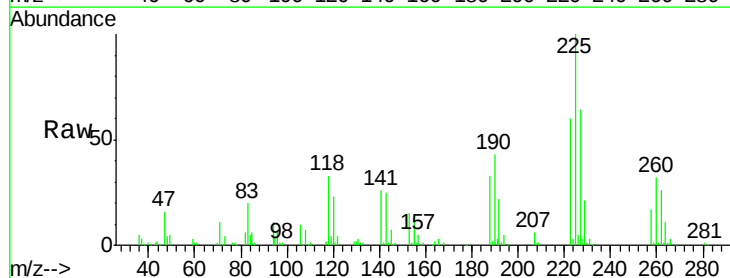
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

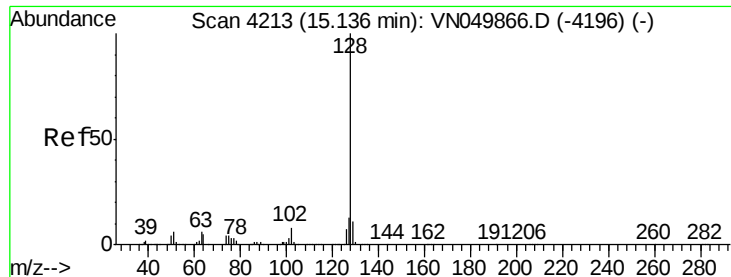
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	29.7	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 19.44 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049960.D
 Acq: 20 Jul 2018 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.7
227	64.6	31.8	95.4

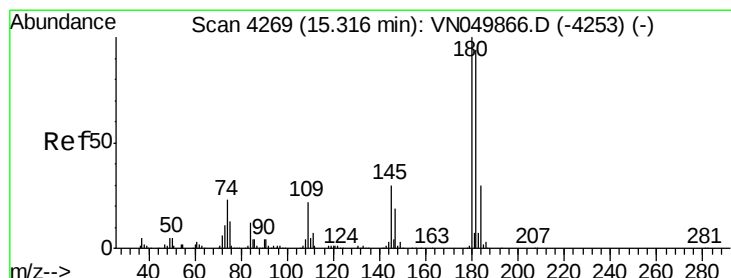
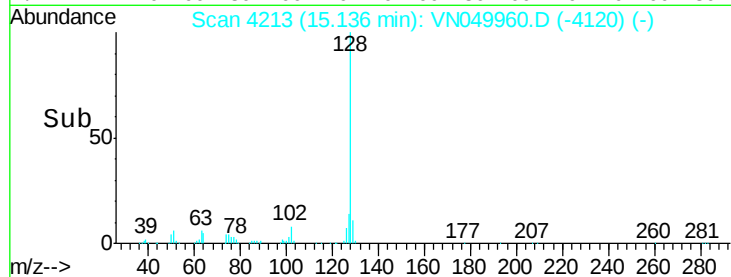
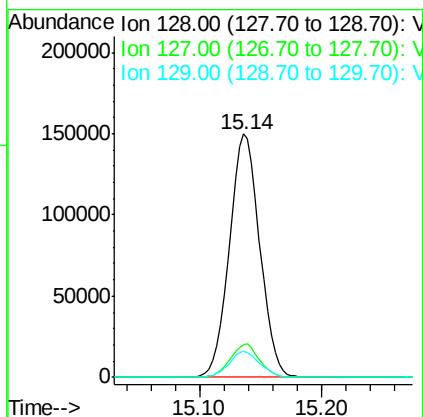
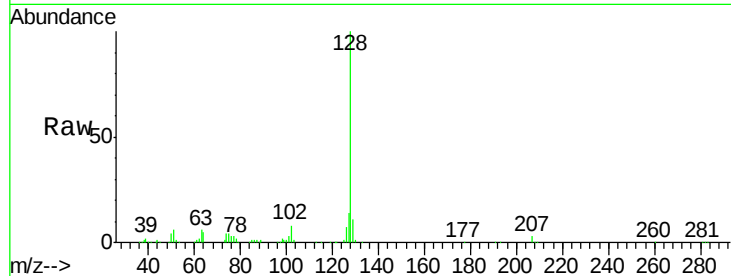




#95
Naphthalene
Concen: 17.39 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:128 Resp: 259227
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.14 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049960.D
Acq: 20 Jul 2018 14:11

Tgt Ion:180 Resp: 127441
Ion Ratio Lower Upper
180 100
182 97.4 47.4 142.2
145 30.6 15.2 45.6

