

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049934.D
 Acq On : 19 Jul 2018 23:46
 Operator : MD\SY
 Sample : VN0719WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

Quant Time: Jul 20 03:08:59 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	563906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409919	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	365215	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	1314295	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	431903	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106486	19.84	ug/l	97
3) Chloromethane	2.06	50	149552	19.43	ug/l	100
4) Vinyl Chloride	2.18	62	156048	19.01	ug/l	98
5) Bromomethane	2.56	94	81614	16.50	ug/l	100
6) Chloroethane	2.70	64	101213	18.88	ug/l	100
7) Trichlorofluoromethane	3.01	101	215680	19.11	ug/l	99
8) Diethyl Ether	3.41	74	77785	19.76	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	132940	19.10	ug/l	99
10) Methyl Iodide	3.95	142	126315	13.53	ug/l	98
11) Tert butyl alcohol	4.82	59	52275	94.67	ug/l	100
12) 1,1-Dichloroethene	3.73	96	117424	19.21	ug/l	97
13) Acrolein	3.61	56	28510	80.13	ug/l	93
14) Allyl chloride	4.32	41	187613	19.47	ug/l	98
15) Acrylonitrile	5.00	53	246955	101.70	ug/l	100
16) Acetone	3.82	43	178882	89.14	ug/l	99
17) Carbon Disulfide	4.05	76	329197	18.00	ug/l	100
18) Methyl Acetate	4.33	43	149226	23.22	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	347127	20.64	ug/l	98
20) Methylene Chloride	4.55	84	149366	19.57	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	127063	19.57	ug/l	98
22) Diisopropyl ether	5.96	45	418858	21.30	ug/l	99
23) Vinyl Acetate	5.90	43	1417311	102.71	ug/l	99
24) 1,1-Dichloroethane	5.85	63	254640	20.17	ug/l	100
25) 2-Butanone	6.85	43	278893	97.25	ug/l	97
26) 2,2-Dichloropropane	6.83	77	162850	16.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	146888	20.62	ug/l	98
28) Bromochloromethane	7.20	49	128437	22.53	ug/l	100
29) Tetrahydrofuran	7.22	42	185372	102.60	ug/l	99
30) Chloroform	7.37	83	266976	20.60	ug/l	99
31) Cyclohexane	7.66	56	201189	19.58	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	221555	19.78	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182733	18.83	ug/l	99
37) Ethyl Acetate	6.94	43	125325	18.81	ug/l	99
38) Carbon Tetrachloride	7.77	117	194000	18.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	177220	17.68	ug/l	95
40) Benzene	8.04	78	571800	19.33	ug/l	100
41) Methacrylonitrile	7.22	41	183340	54.88	ug/l #	20
42) 1,2-Dichloroethane	8.13	62	191555	19.55	ug/l	99
43) Isopropyl Acetate	8.17	43	252243	21.66	ug/l	98
44) Trichloroethene	8.84	130	144882	18.68	ug/l	97
45) 1,2-Dichloropropane	9.12	63	153461	19.23	ug/l	98
46) Dibromomethane	9.21	93	94178	19.03	ug/l	99
47) Bromodichloromethane	9.40	83	201105	19.65	ug/l	97
48) Methyl methacrylate	9.20	41	111025	19.01	ug/l	98
49) 1,4-Dioxane	9.20	88	30854	372.39	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	648890	99.70	ug/l	98
52) Toluene	10.16	92	350093	19.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186550	18.43	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	215036	19.23	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	135779	18.63	ug/l	99
56) Ethyl methacrylate	10.43	69	161786	17.97	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223544	19.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	394898	92.23	ug/l	99
59) 2-Hexanone	10.75	43	419185	95.89	ug/l	98
60) Dibromochloromethane	10.90	129	151063	18.90	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129551	19.02	ug/l	98
64) Tetrachloroethene	10.63	164	137396	19.82	ug/l	98
65) Chlorobenzene	11.44	112	377822	19.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	146734	19.54	ug/l	98
67) Ethyl Benzene	11.51	91	613915	19.52	ug/l	99
68) m/p-Xylenes	11.62	106	485917	40.82	ug/l	98
69) o-Xylene	11.95	106	225332	19.71	ug/l	99
70) Styrene	11.97	104	377906	20.41	ug/l	100
71) Bromoform	12.13	173	104012	19.36	ug/l #	100
73) Isopropylbenzene	12.25	105	609448	20.40	ug/l	100
74) N-amyl acetate	12.07	43	178045	19.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172678	19.29	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	206130	27.94	ug/l #	100
77) Bromobenzene	12.53	156	163334	19.80	ug/l	98
78) n-propylbenzene	12.59	91	693335	20.41	ug/l	100
79) 2-Chlorotoluene	12.68	91	428882	20.56	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	501174	20.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40586	17.20	ug/l	93
82) 4-Chlorotoluene	12.77	91	434734	20.78	ug/l	99
83) tert-Butylbenzene	12.99	119	427916	20.35	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	512322	21.12	ug/l	100
85) sec-Butylbenzene	13.17	105	569059	20.48	ug/l	99
86) p-Isopropyltoluene	13.29	119	488040	20.60	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283218	19.70	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274077	19.02	ug/l	99
89) n-Butylbenzene	13.62	91	374151	19.13	ug/l	99
90) Hexachloroethane	13.88	117	98625	18.55	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	283442	20.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26875	19.43	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

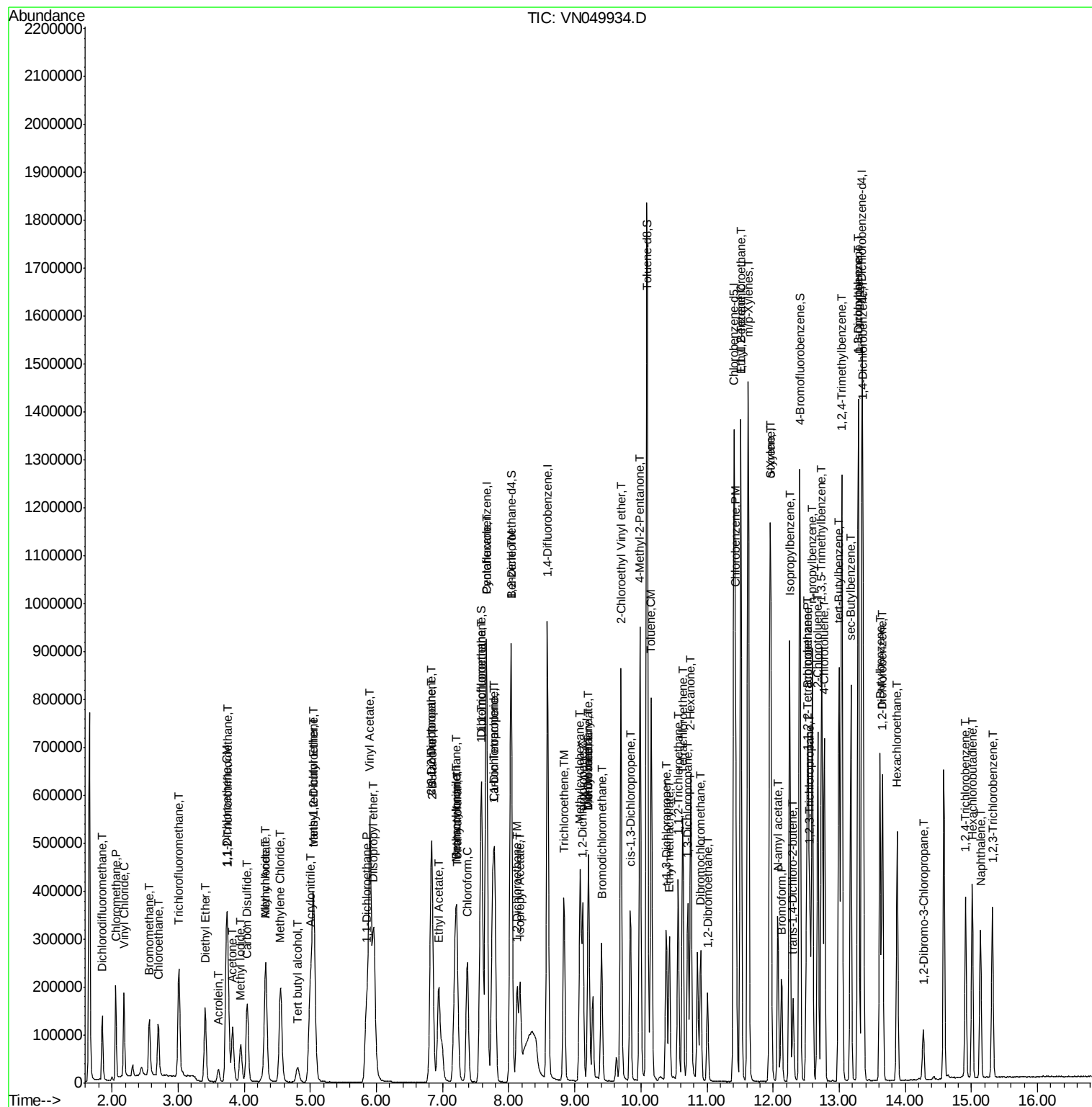
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125868	18.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	85083	18.37	ug/l	99
95) Naphthalene	15.14	128	272048	17.78	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	133144	19.64	ug/l	99

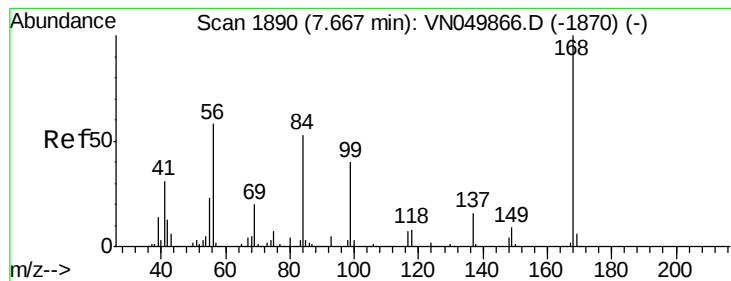
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

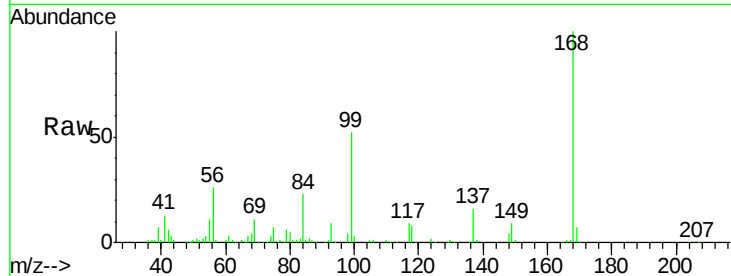
VN0719WBSD02

Tot Ion:168 Resp: 563906

Ion Ratio Lower Upper

168 100

99 51.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

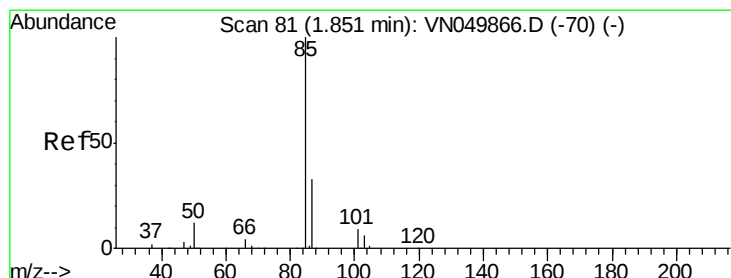
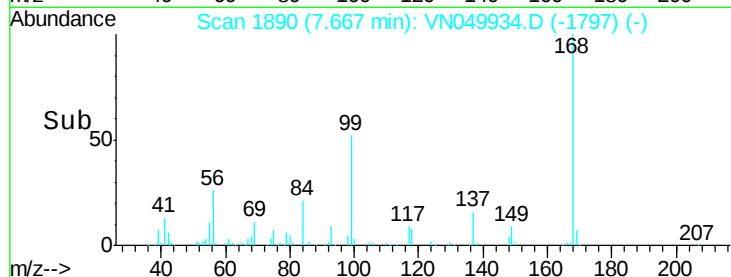
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.84 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049934.D

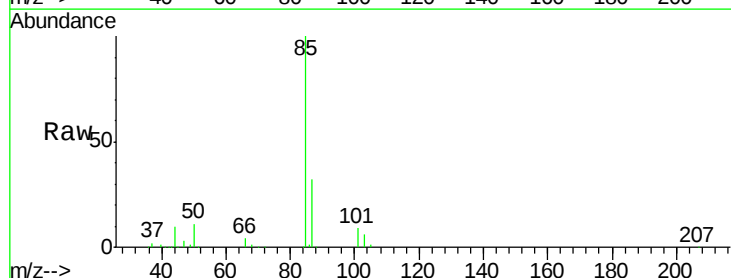
Acq: 19 Jul 2018 23:46

Tgt Ion: 85 Resp: 106486

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

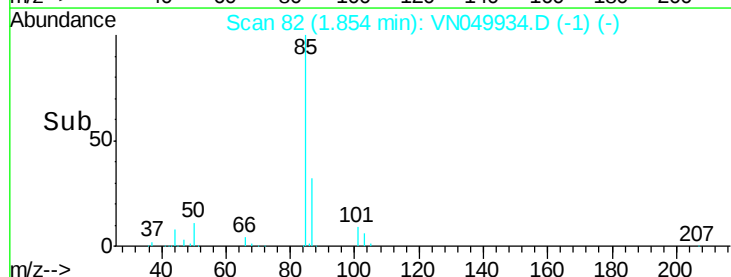
40000

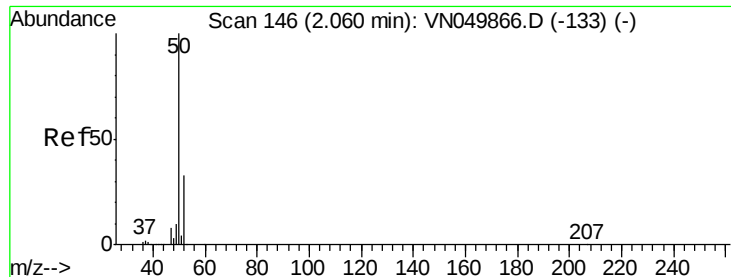
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.43 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

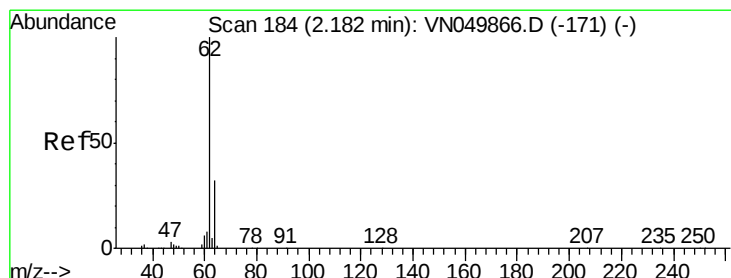
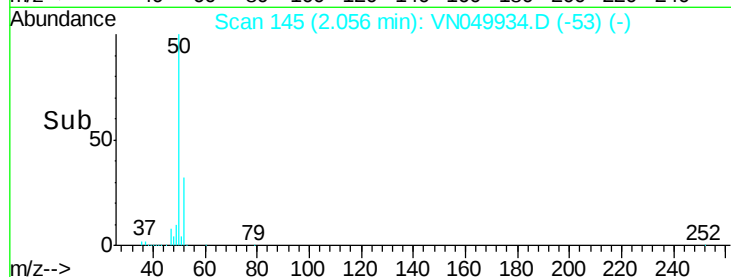
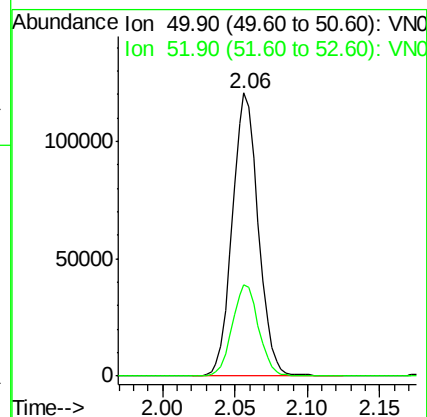
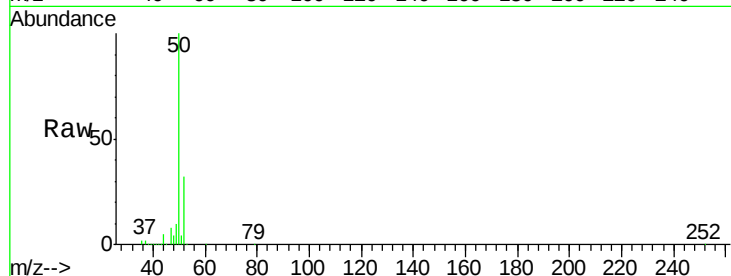
VN0719WBSD02

Tot Ion: 50 Resp: 149552

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 19.01 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049934.D

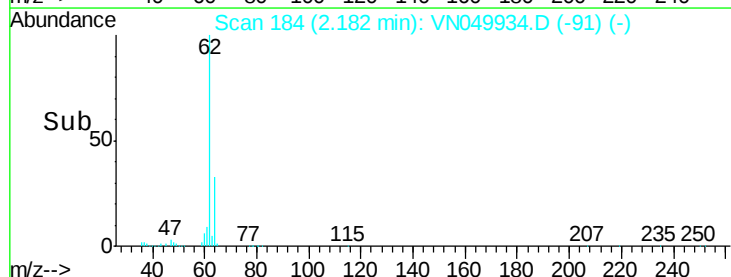
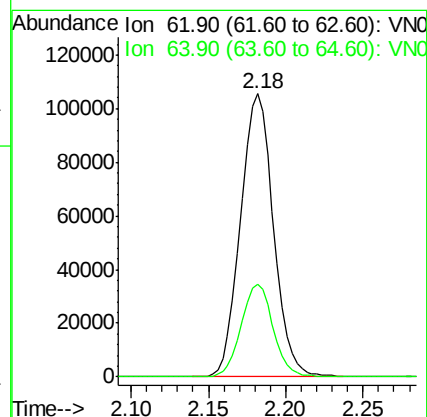
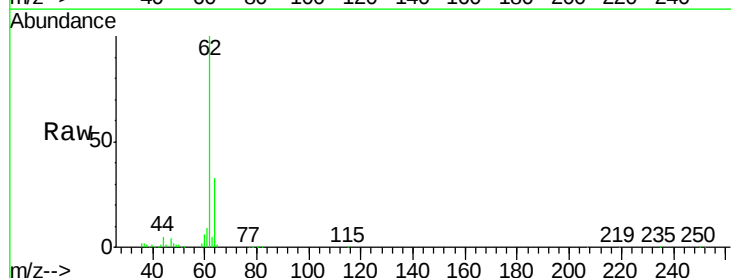
Acq: 19 Jul 2018 23:46

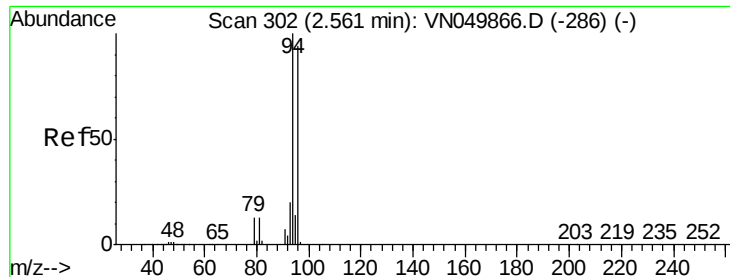
Tgt Ion: 62 Resp: 156048

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.0





#5

Bromomethane

Concen: 16.50 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

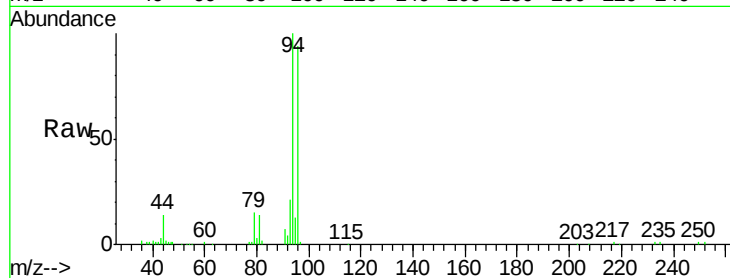
VN0719WBSD02

Tot Ion: 94 Resp: 81614

Ion Ratio Lower Upper

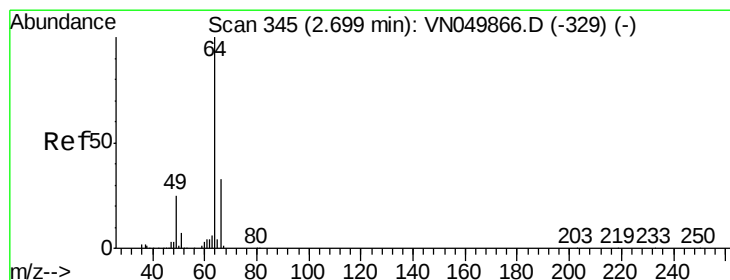
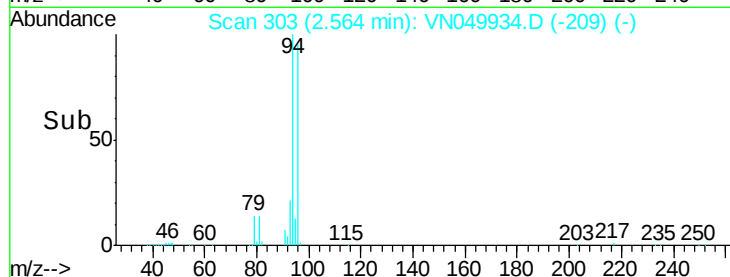
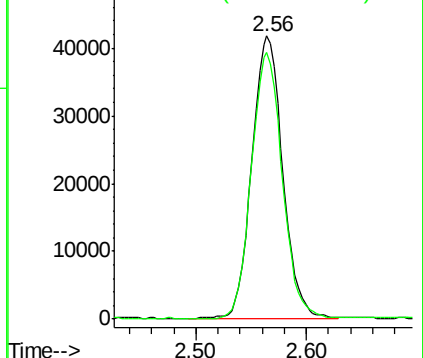
94 100

96 94.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.88 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049934.D

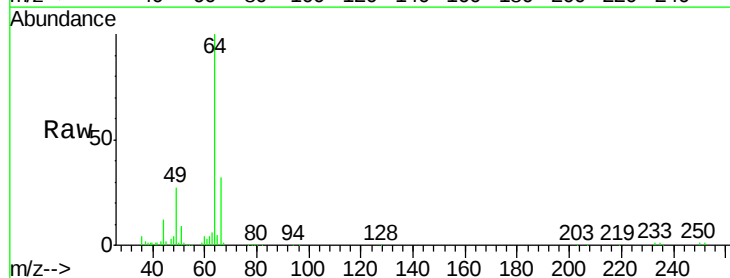
Acq: 19 Jul 2018 23:46

Tgt Ion: 64 Resp: 101213

Ion Ratio Lower Upper

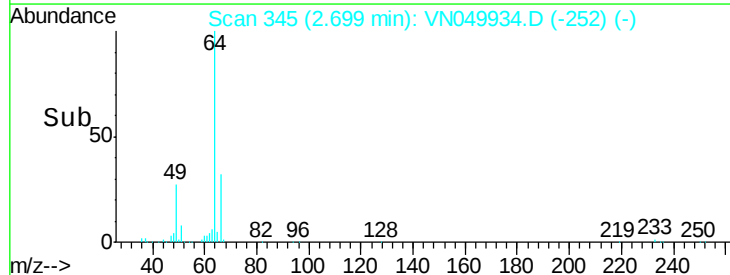
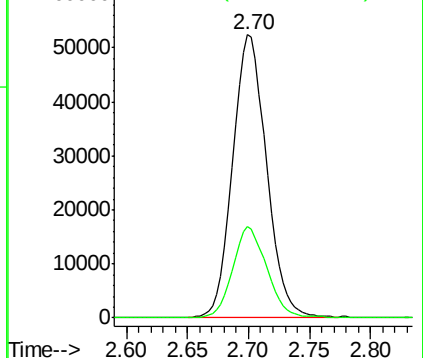
64 100

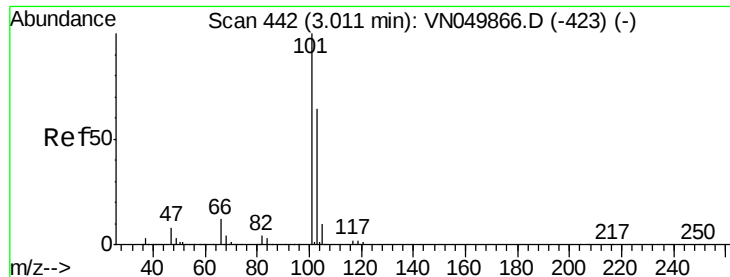
66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.11 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

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ClientSampleId :

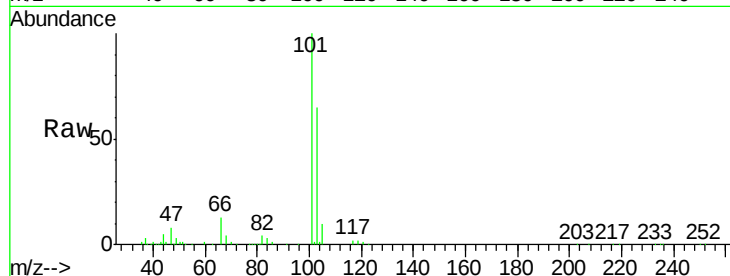
VN0719WBSD02

Tot Ion:101 Resp: 215680

Ion Ratio Lower Upper

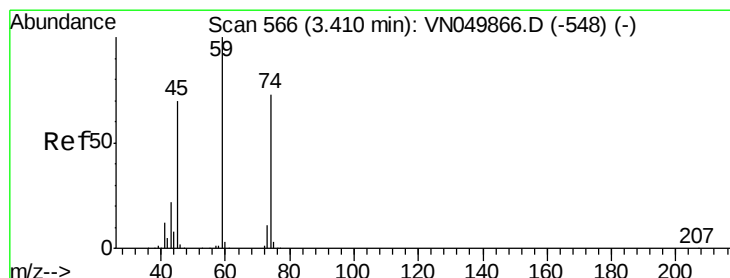
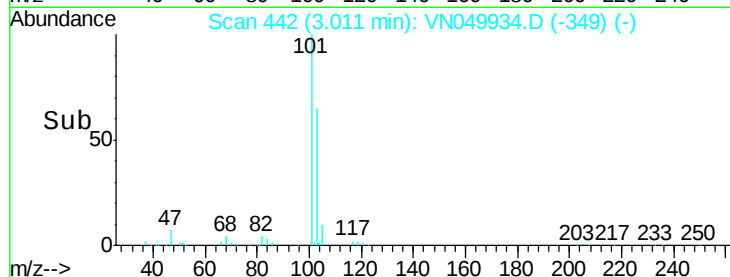
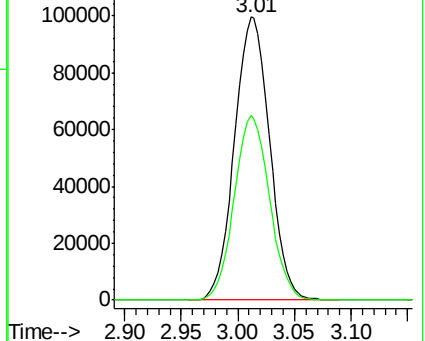
101 100

103 65.2 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: 19.76 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049934.D

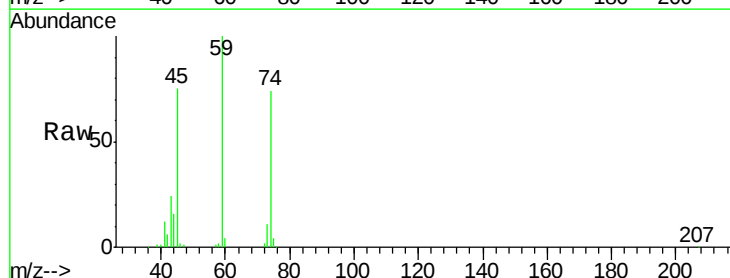
Acq: 19 Jul 2018 23:46

Tgt Ion: 74 Resp: 77785

Ion Ratio Lower Upper

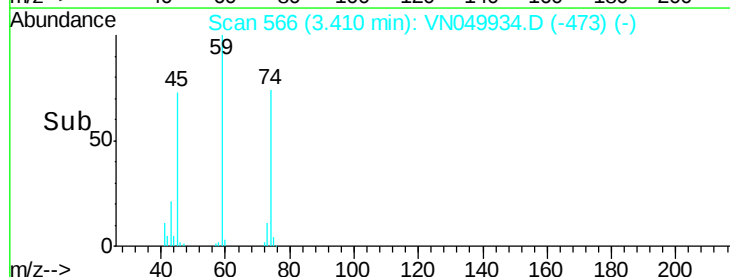
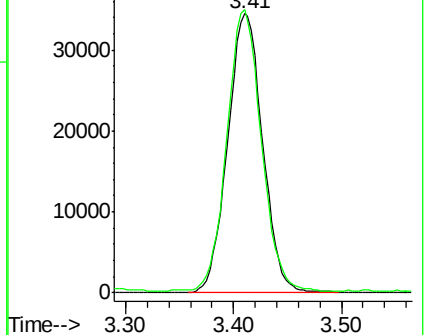
74 100

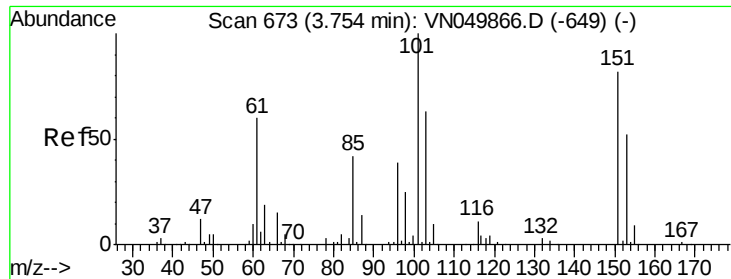
45 99.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

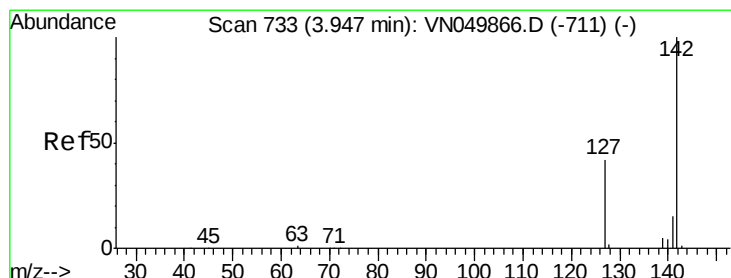
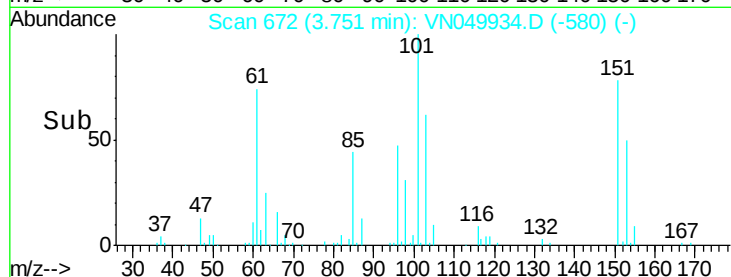
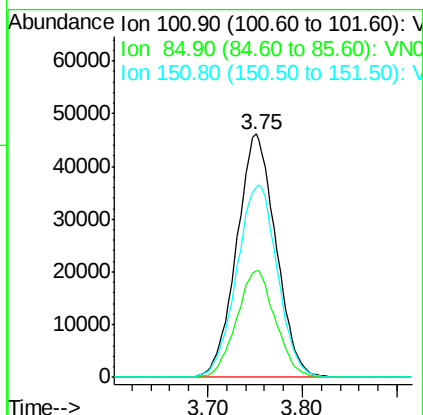
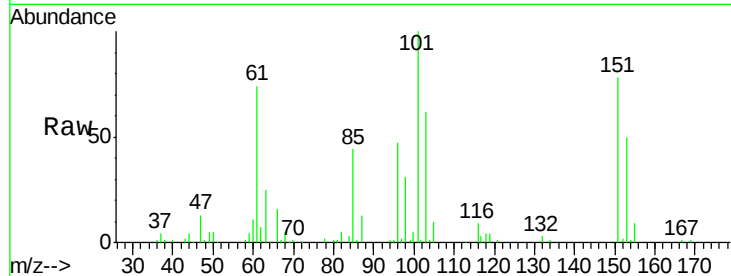




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.10 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

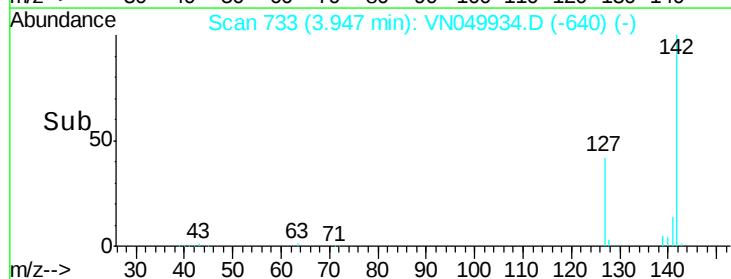
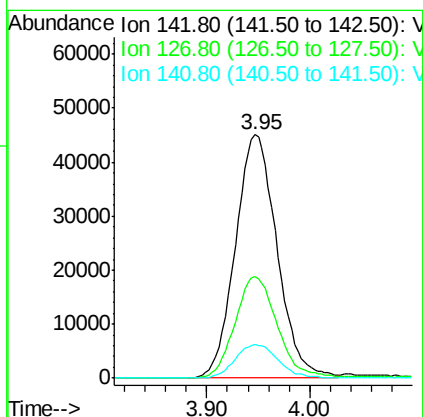
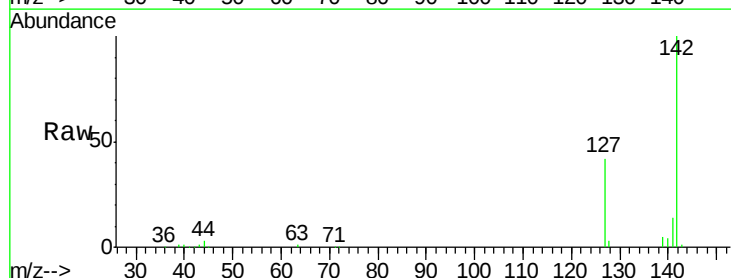
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

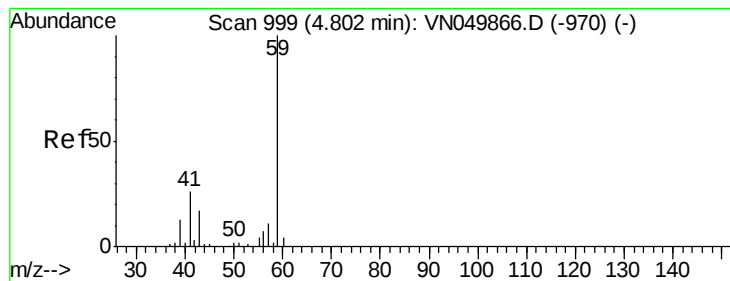
Tot Ion:101 Resp: 132940
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.4 51.6
 151 81.9 66.2 99.4



#10
 Methyl Iodide
 Concen: 13.53 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion:142 Resp: 126315
 Ion Ratio Lower Upper
 142 100
 127 42.3 32.5 48.7
 141 14.2 11.1 16.7





#11

Tert butyl alcohol

Concen: 94.67 ug/l

RT: 4.82 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

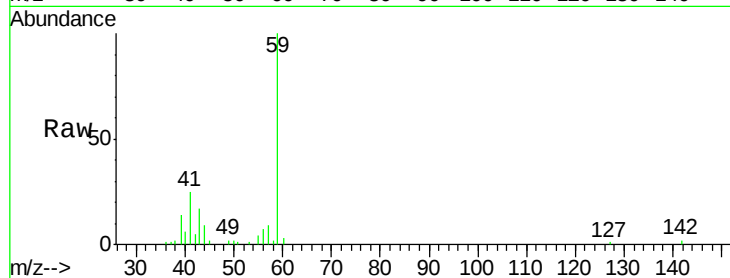
VN0719WBSD02

Tot Ion: 59 Resp: 52275

Ion Ratio Lower Upper

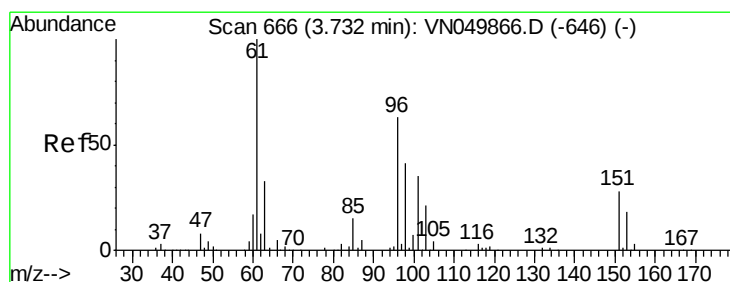
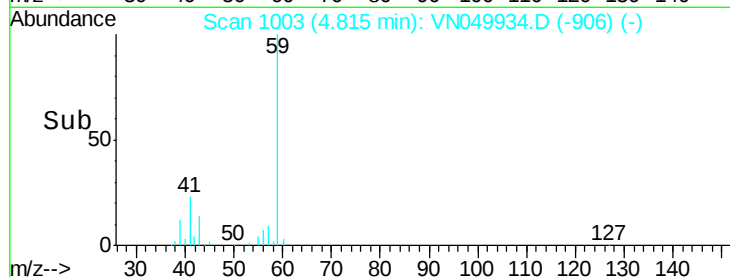
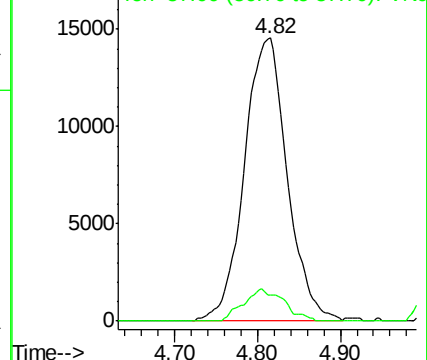
59 100

57 10.7 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.21 ug/l

RT: 3.73 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

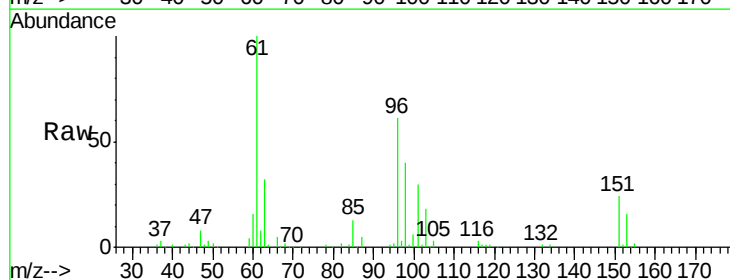
Tgt Ion: 96 Resp: 117424

Ion Ratio Lower Upper

96 100

61 163.0 126.5 189.7

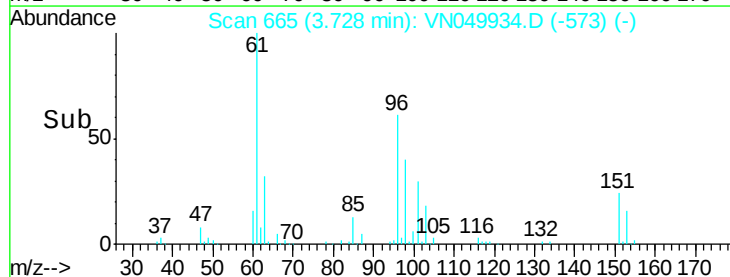
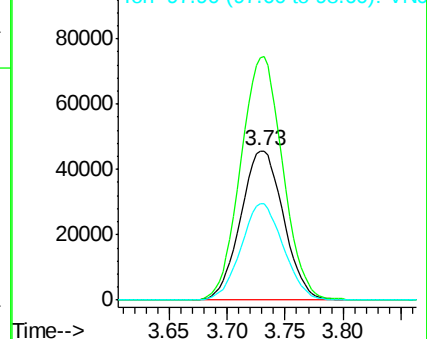
98 65.1 51.0 76.6

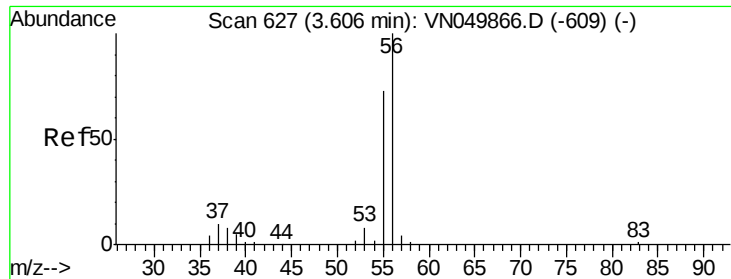


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 80.13 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

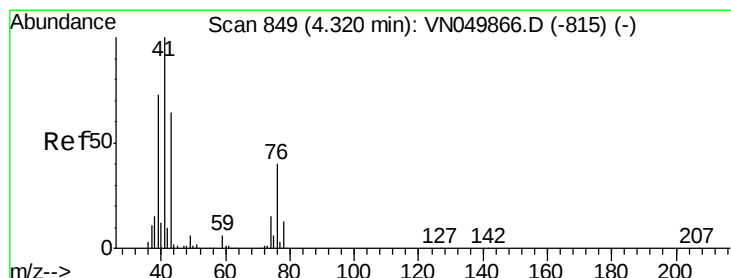
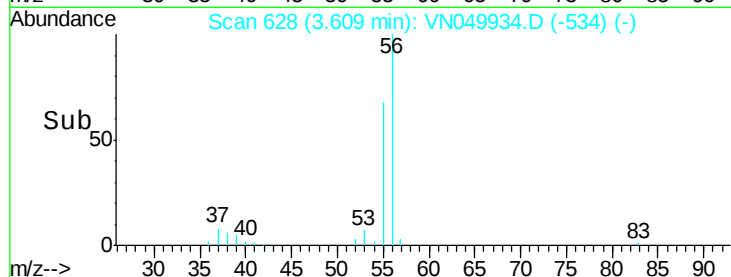
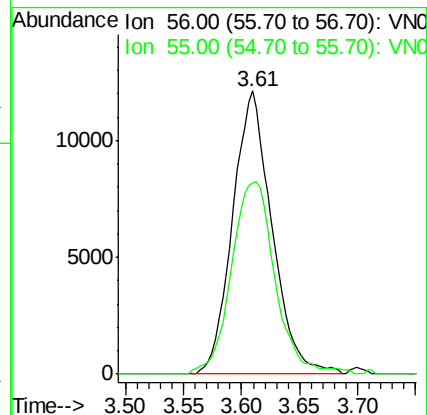
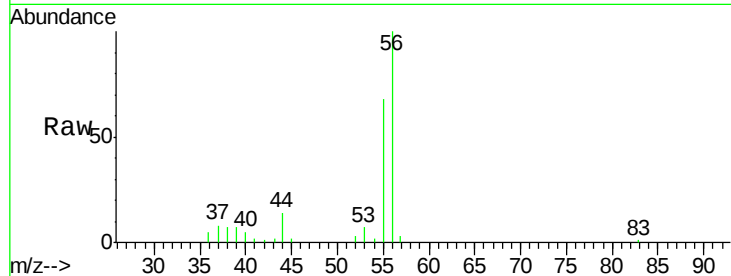
VN0719WBSD02

Tot Ion: 56 Resp: 28510

Ion Ratio Lower Upper

56 100

55 75.4 55.8 83.8



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

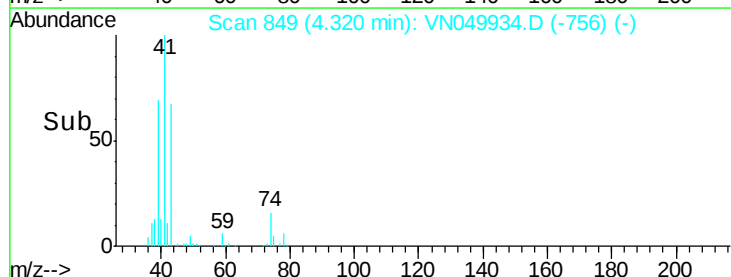
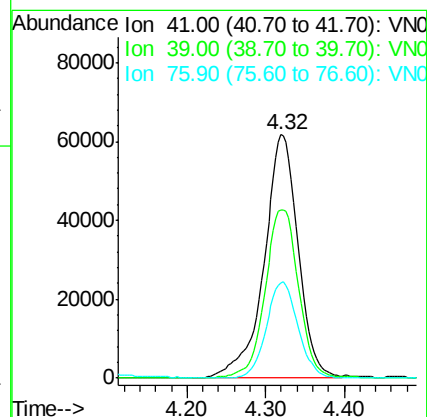
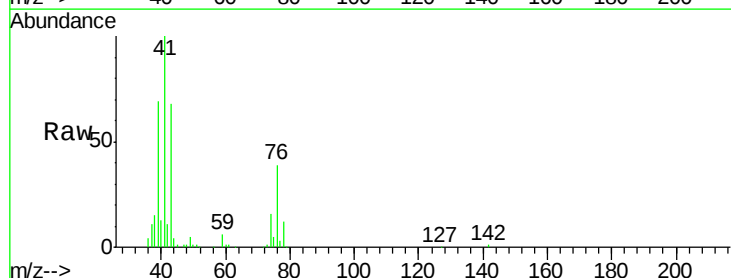
Tgt Ion: 41 Resp: 187613

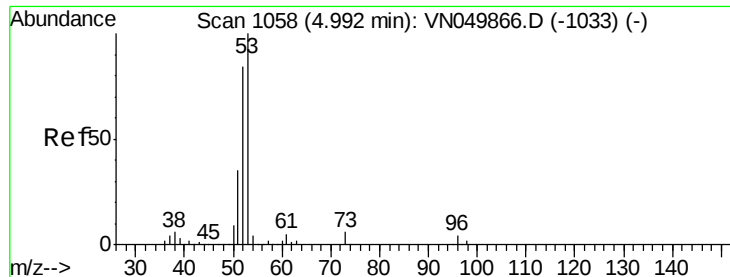
Ion Ratio Lower Upper

41 100

39 68.4 53.2 79.8

76 36.6 29.0 43.6

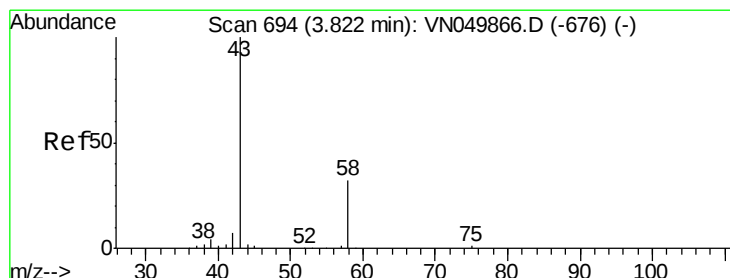
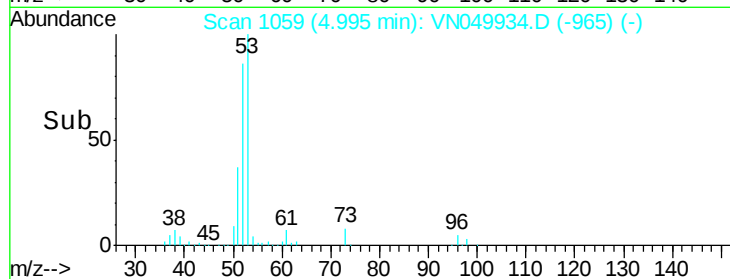
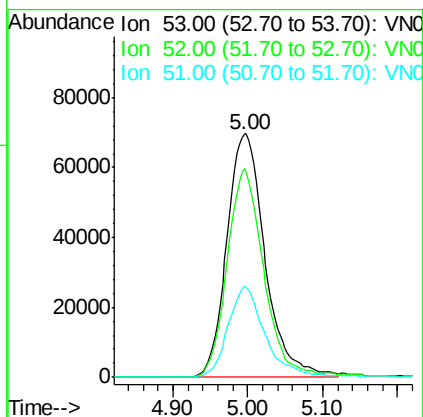
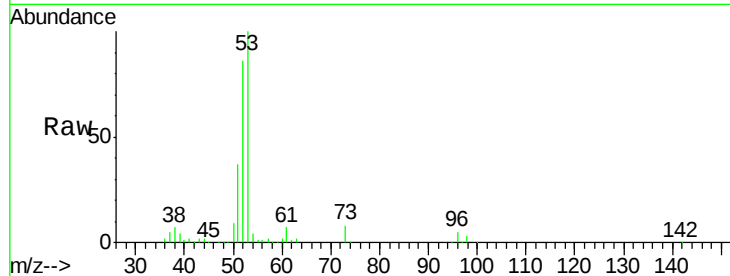




#15
 Acrylonitrile
 Concen: 101.70 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

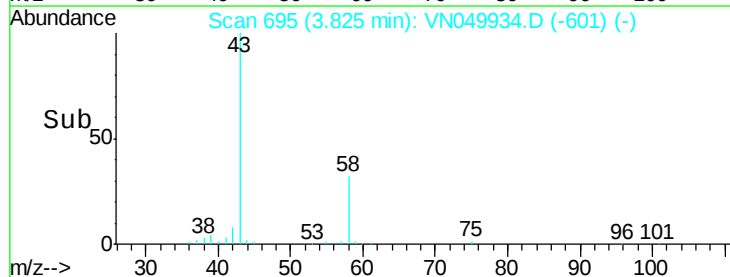
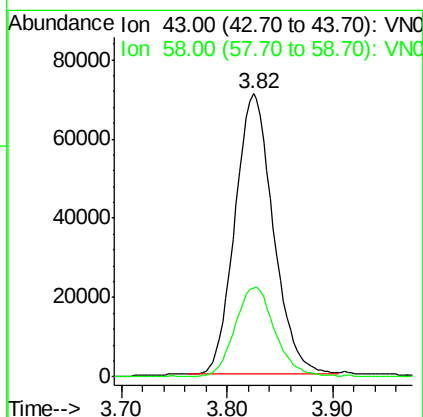
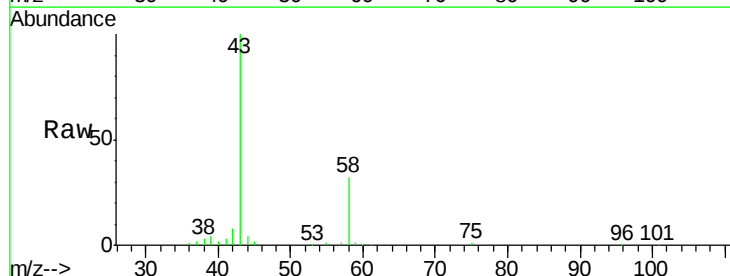
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

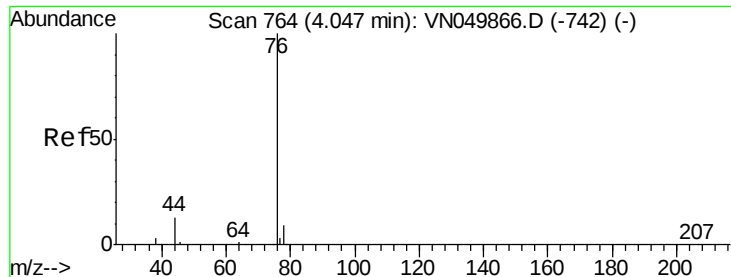
Tot Ion: 53 Resp: 246955
 Ion Ratio Lower Upper
 53 100
 52 81.4 64.8 97.2
 51 35.7 28.9 43.3



#16
 Acetone
 Concen: 89.14 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 43 Resp: 178882
 Ion Ratio Lower Upper
 43 100
 58 31.8 25.9 38.9

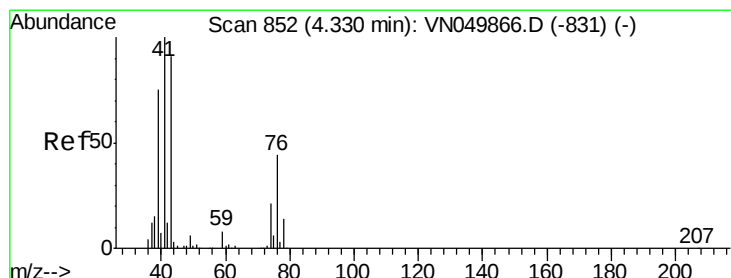
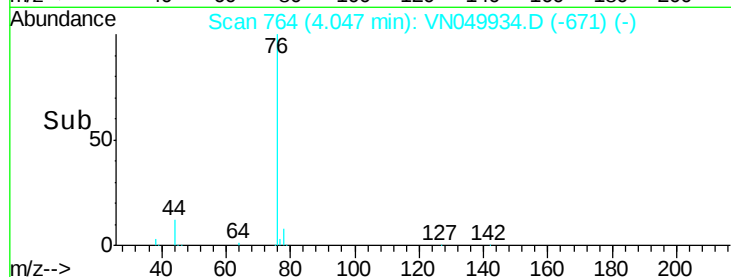
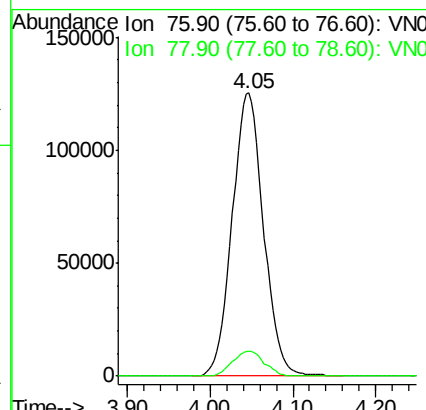
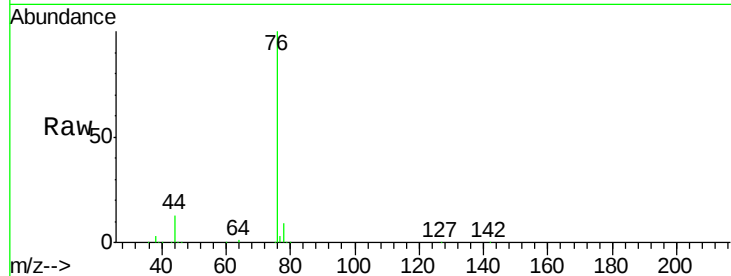




#17
Carbon Disulfide
Concen: 18.00 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

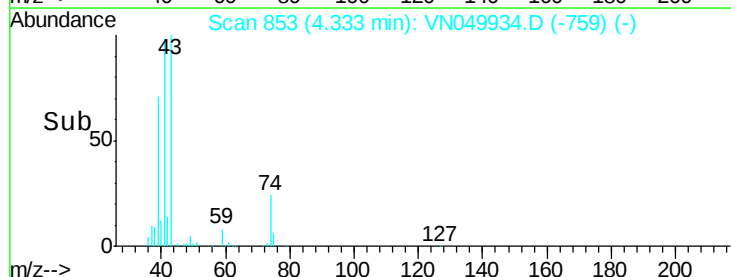
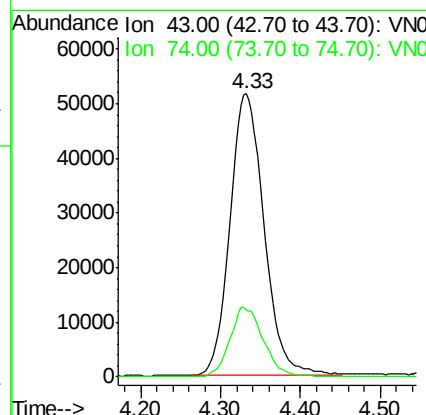
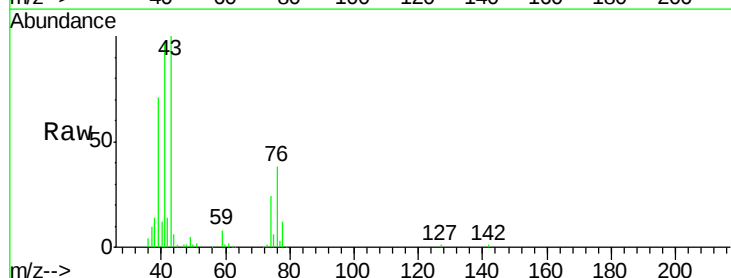
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

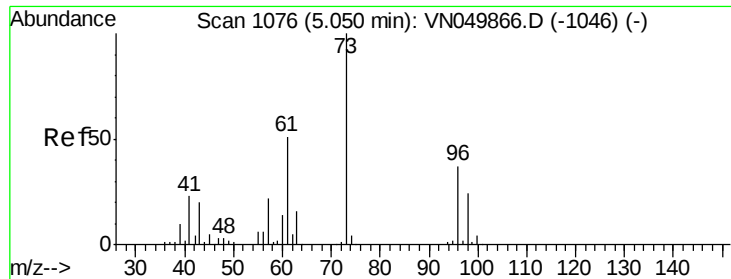
Tot Ion: 76 Resp: 329197
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 23.22 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 43 Resp: 149226
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8

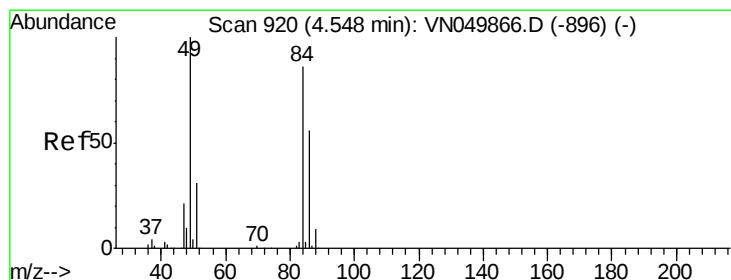
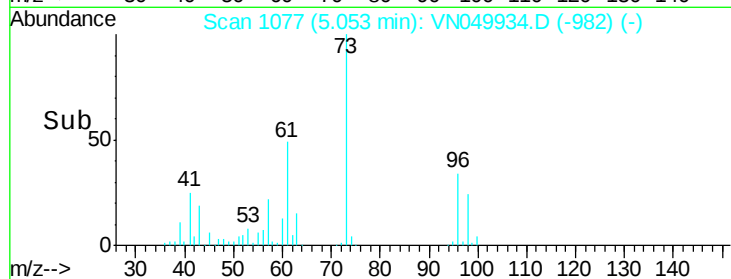
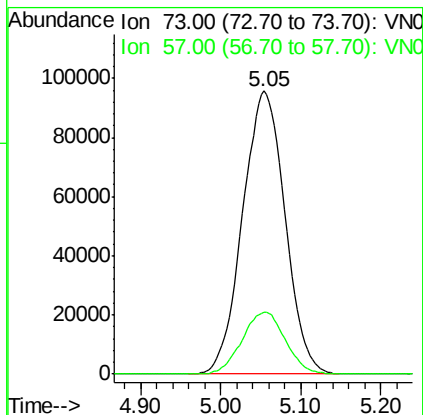
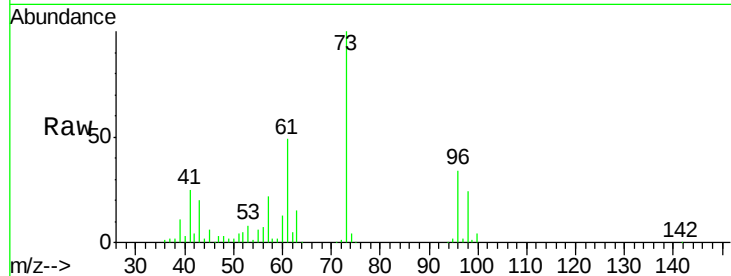




#19
Methvl tert-butvl Ether
Concen: 20.64 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

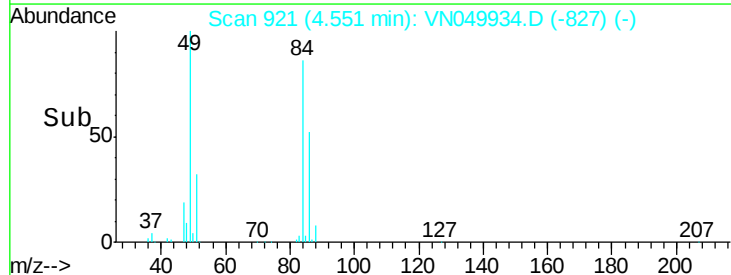
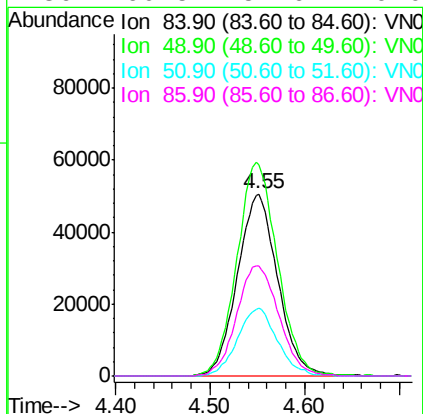
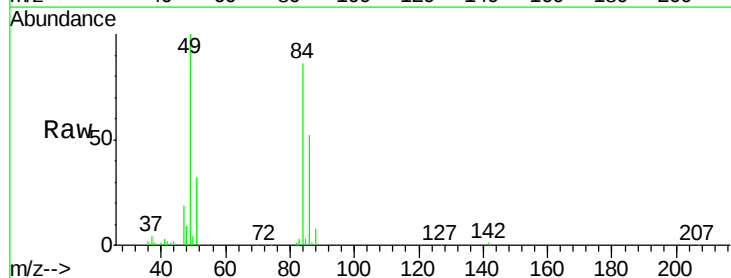
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

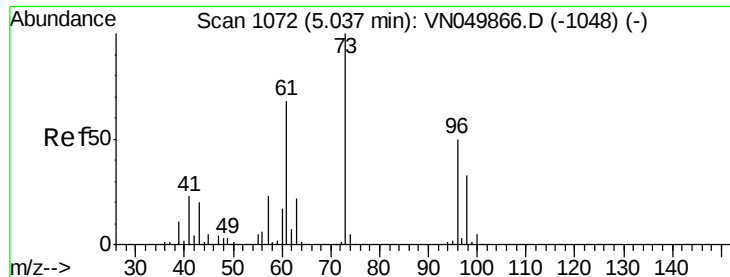
Tot Ion: 73 Resp: 347127
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1



#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 84 Resp: 149366
Ion Ratio Lower Upper
84 100
49 115.9 95.4 143.2
51 37.3 28.4 42.6
86 60.5 52.6 79.0

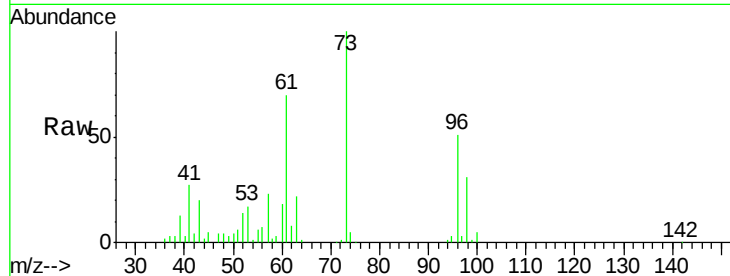




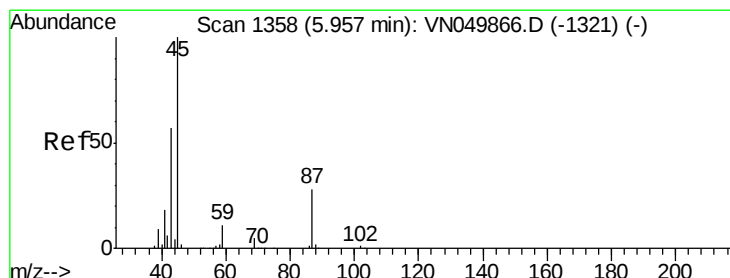
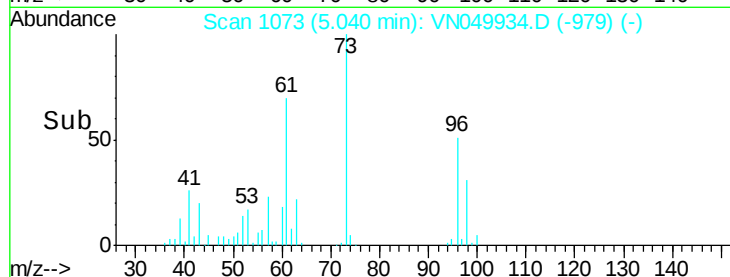
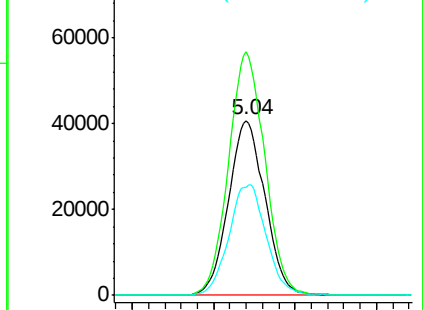
#21
trans-1,2-Dichloroethene
Concen: 19.57 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 96 Resp: 127063
Ion Ratio Lower Upper
96 100
61 139.1 109.0 163.6
98 62.0 51.1 76.7

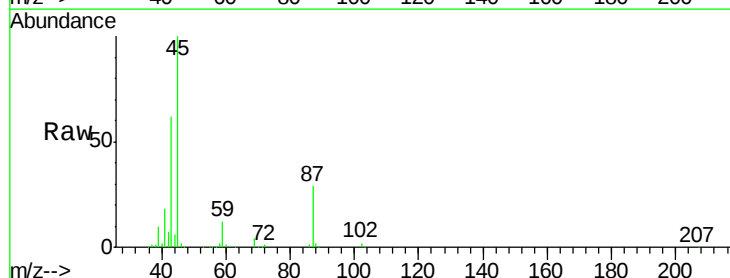


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

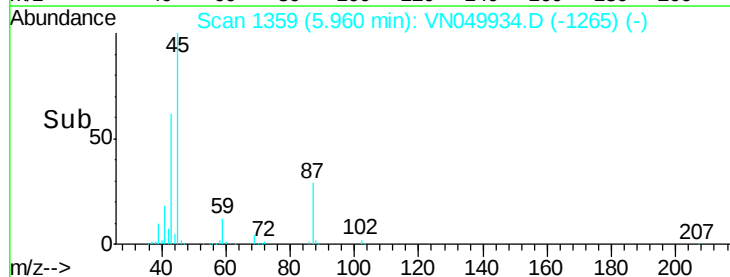
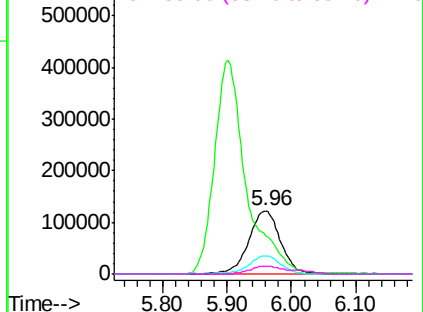


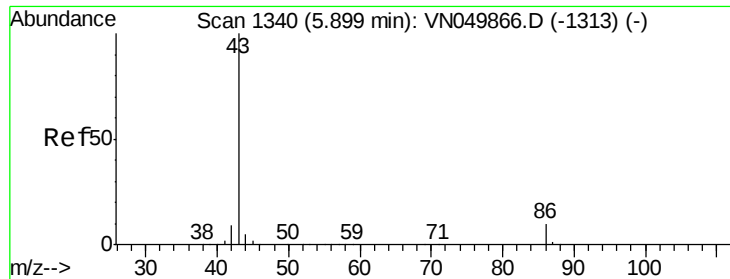
#22
Diisopropyl ether
Concen: 21.30 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 45 Resp: 418858
Ion Ratio Lower Upper
45 100
43 60.2 48.1 72.1
87 29.2 22.6 34.0
59 12.1 9.2 13.8



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

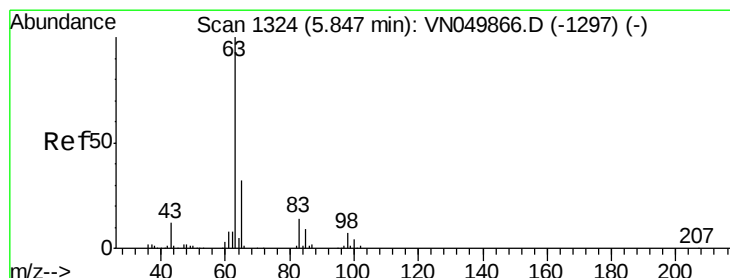
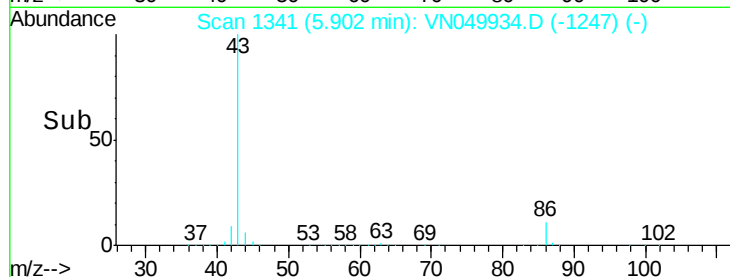
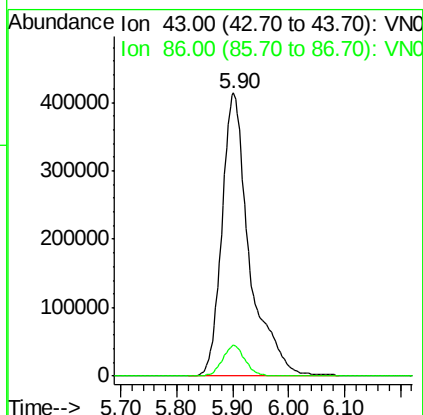
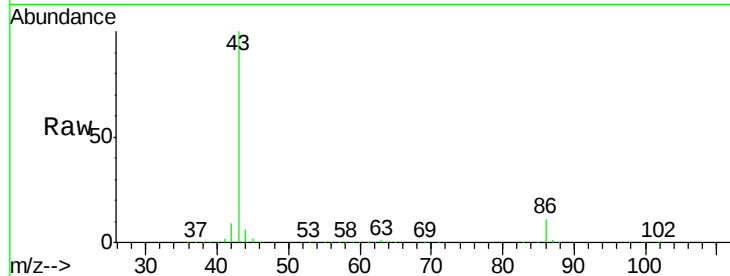




#23
 Vinyl Acetate
 Concen: 102.71 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

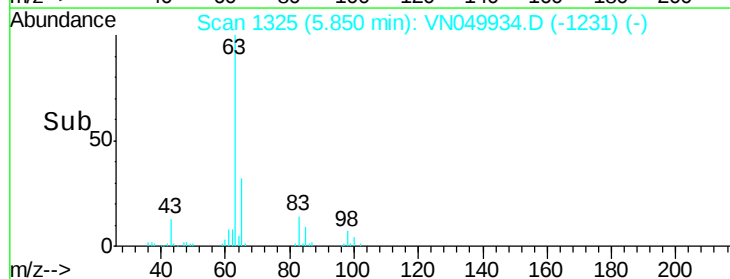
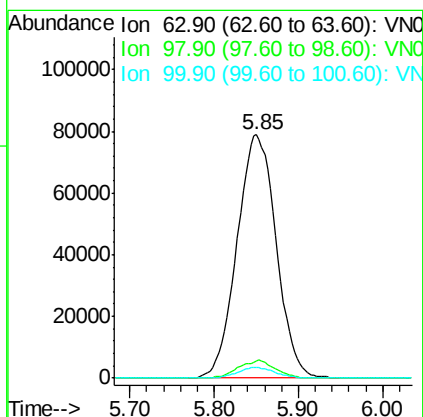
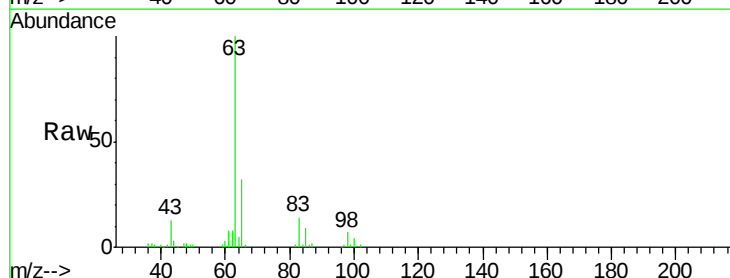
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

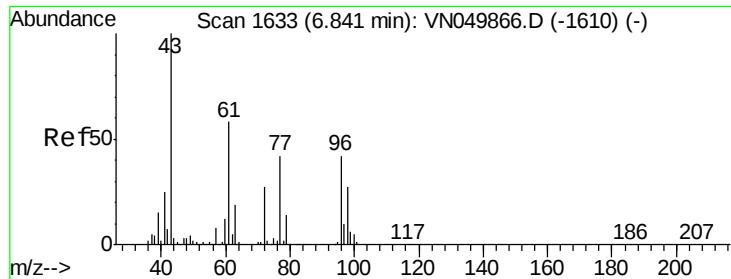
Tot Ion: 43 Resp: 1417311
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.17 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 63 Resp: 254640
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.2 2.2 6.6

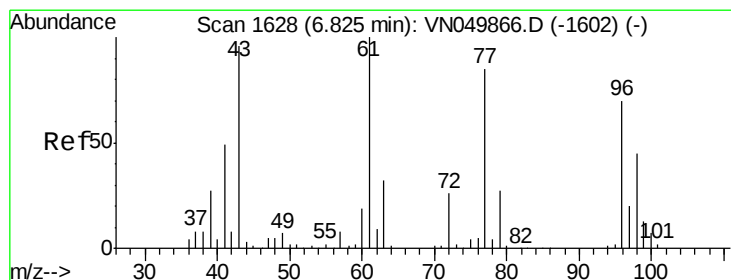
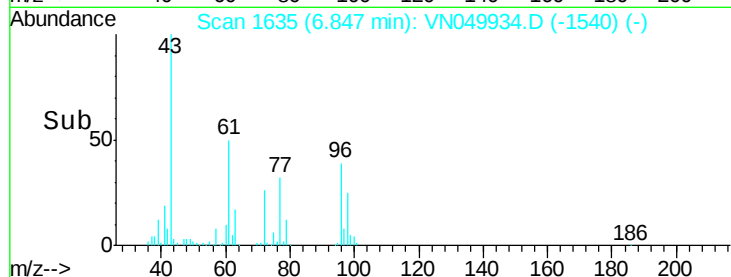
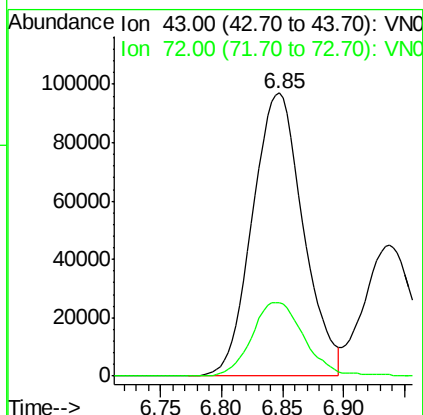
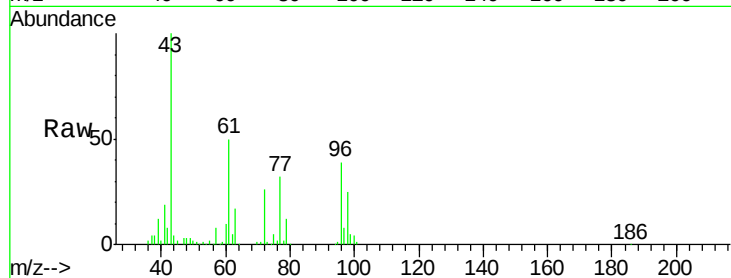




#25
2-Butanone
Concen: 97.25 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

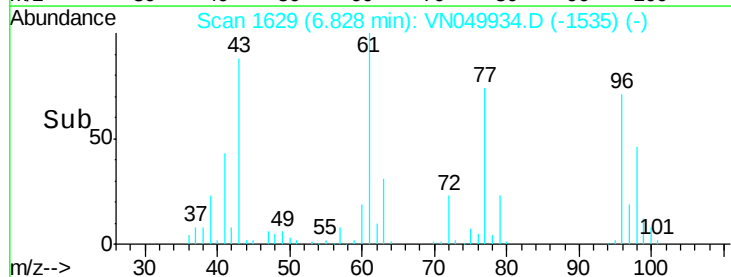
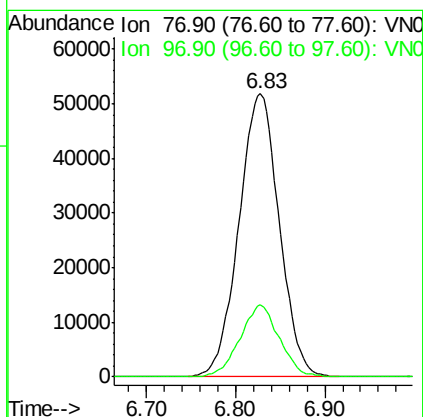
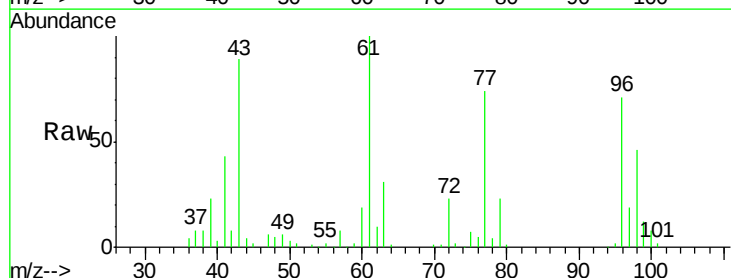
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

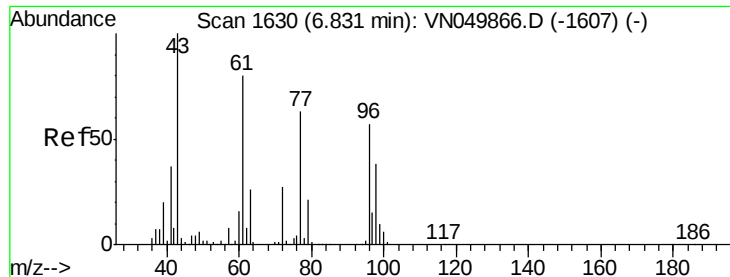
Tot Ion: 43 Resp: 278893
Ion Ratio Lower Upper
43 100
72 26.0 22.1 33.1



#26
2,2-Dichloropropane
Concen: 16.58 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 77 Resp: 162850
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.5

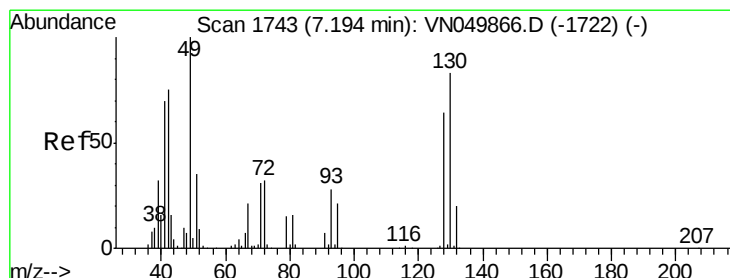
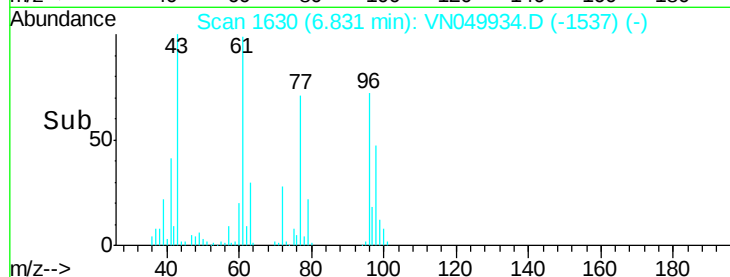
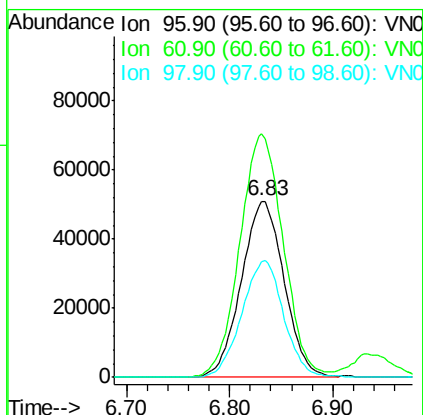
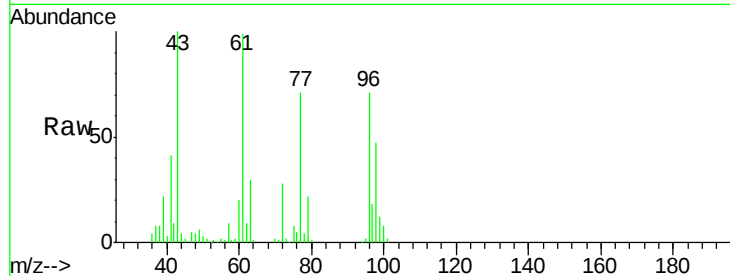




#27
 cis-1,2-Dichloroethene
 Concen: 20.62 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

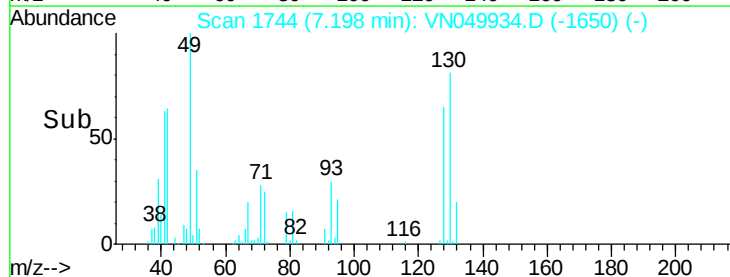
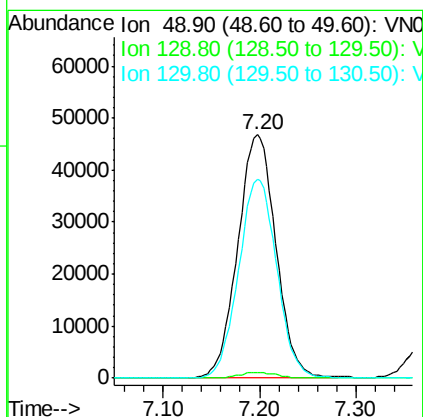
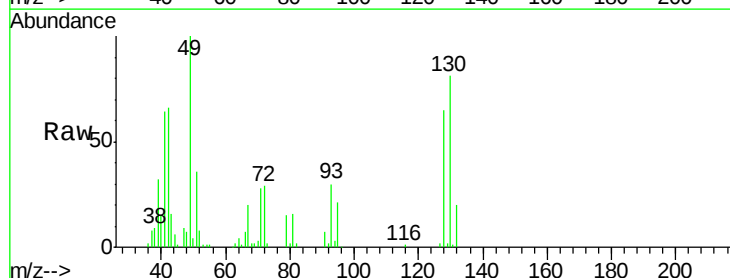
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

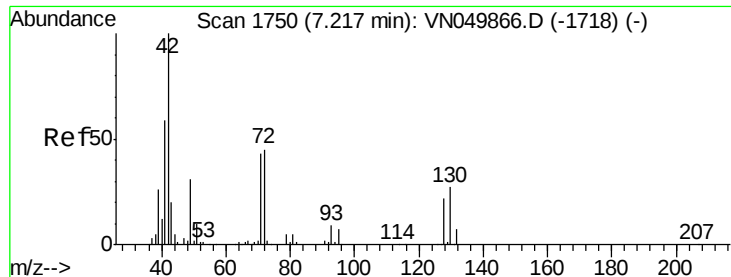
Tot Ion: 96 Resp: 146888
 Ion Ratio Lower Upper
 96 100
 61 140.6 0.0 289.0
 98 65.1 0.0 130.2



#28
 Bromochloromethane
 Concen: 22.53 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 49 Resp: 128437
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 81.6 65.5 98.3

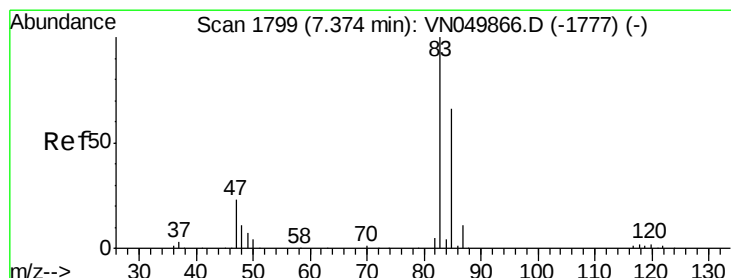
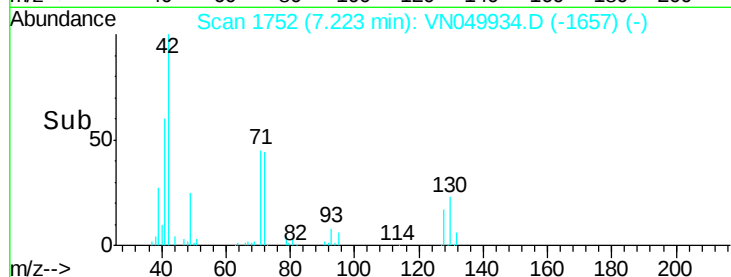
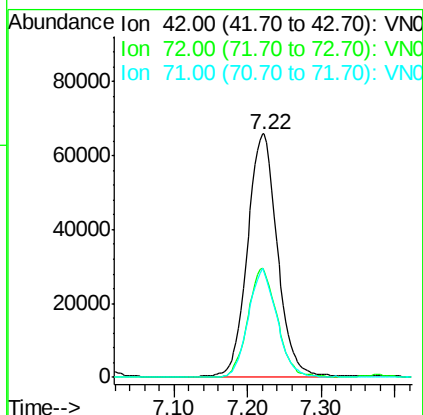
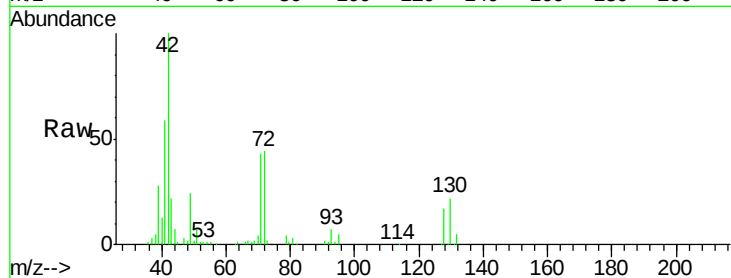




#29
Tetrahydrofuran
Concen: 102.60 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

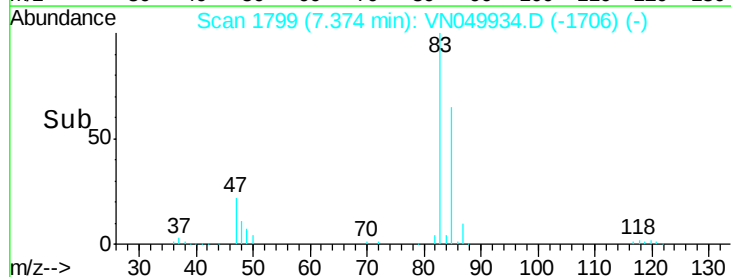
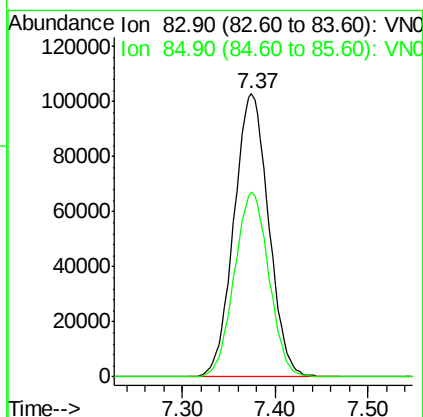
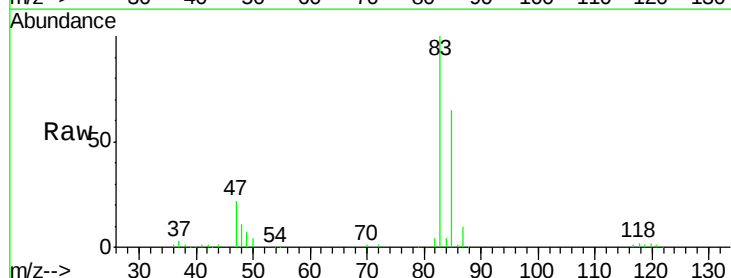
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

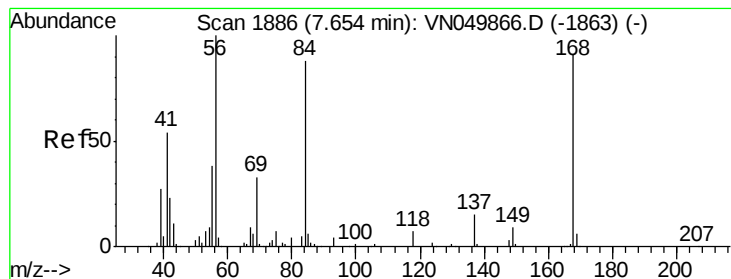
Tot Ion: 42 Resp: 185372
Ion Ratio Lower Upper
42 100
72 44.1 35.6 53.4
71 42.8 34.0 51.0



#30
Chloroform
Concen: 20.60 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 83 Resp: 266976
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.2





#31

Cvclohexane

Concen: 19.58 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

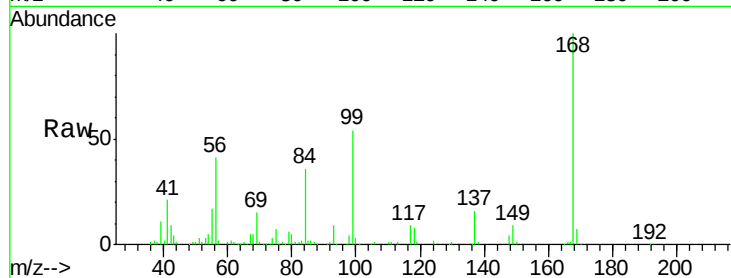
Tot Ion: 56 Resp: 201189

Ion Ratio Lower Upper

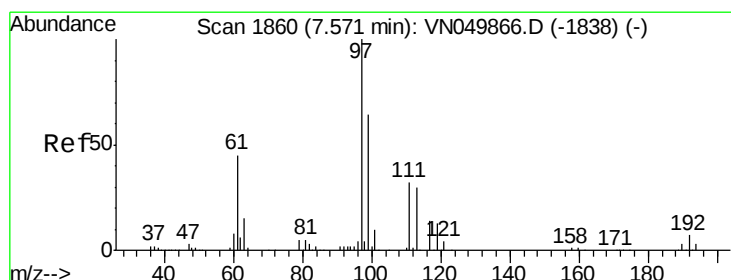
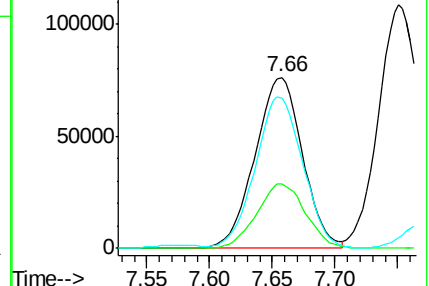
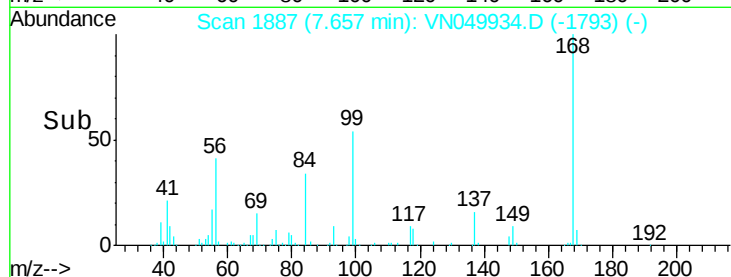
56 100

69 37.8 26.6 40.0

84 86.3 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: 19.78 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

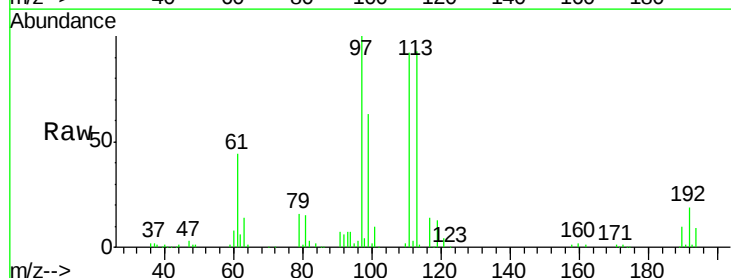
Tgt Ion: 97 Resp: 221555

Ion Ratio Lower Upper

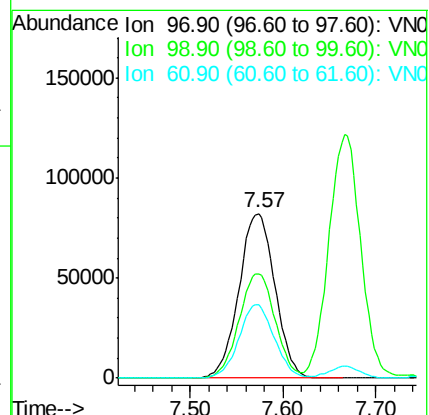
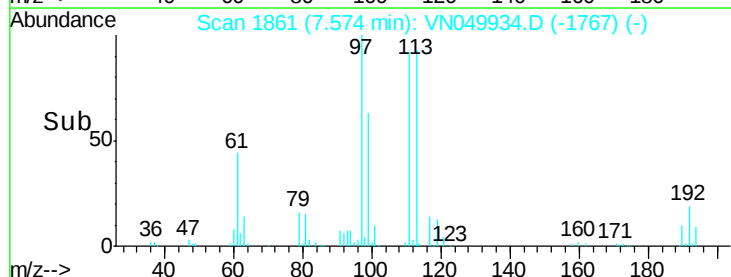
97 100

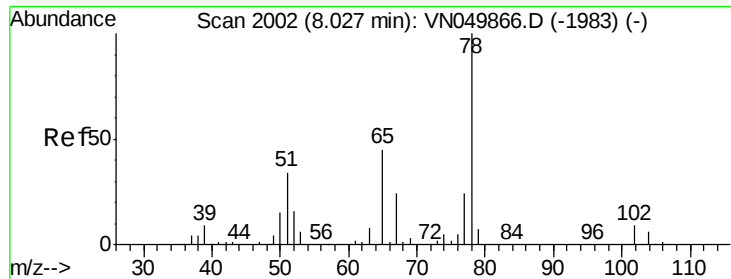
99 63.7 51.0 76.4

61 43.9 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

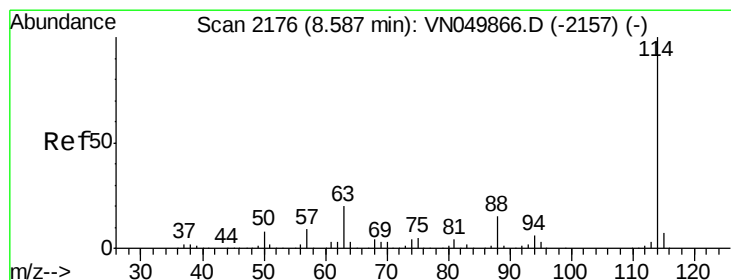
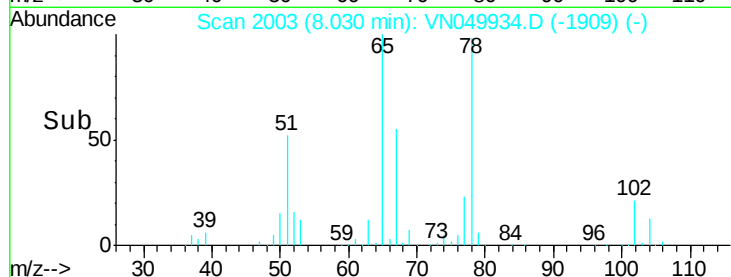
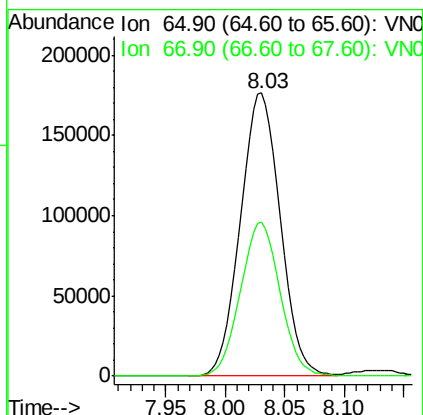
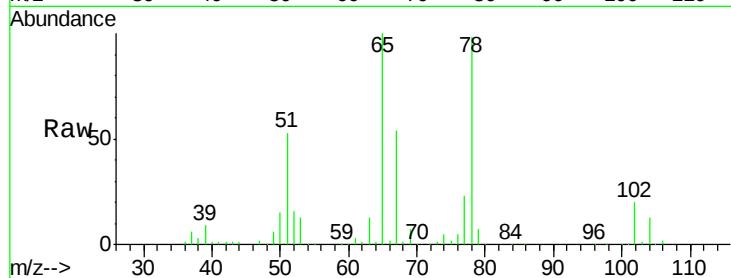




#33
 1,2-Dichloroethane-d4
 Concen: 52.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

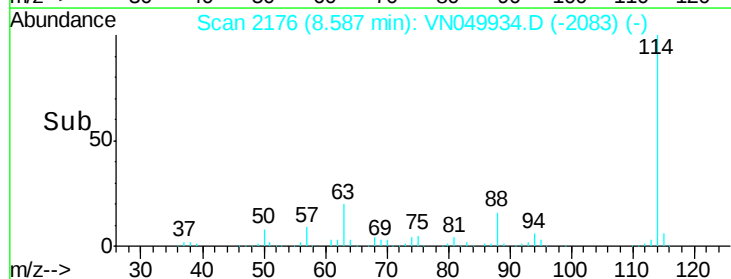
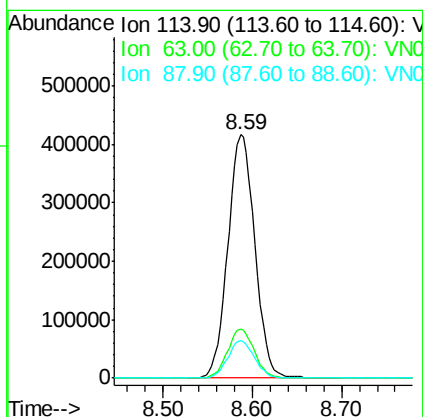
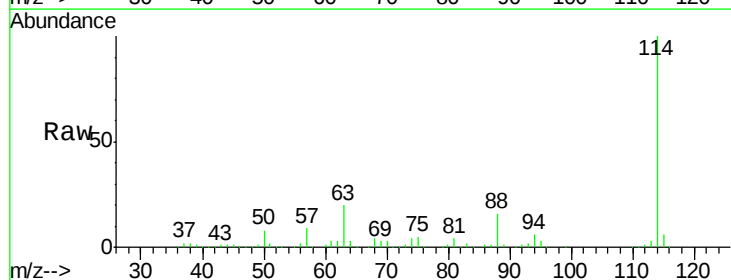
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

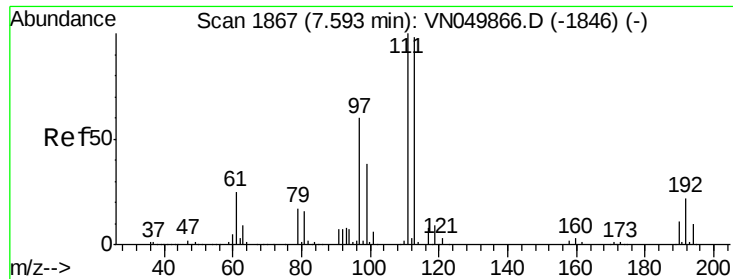
Tot Ion: 65 Resp: 409919
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 114 Resp: 872865
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.7 0.0 30.6

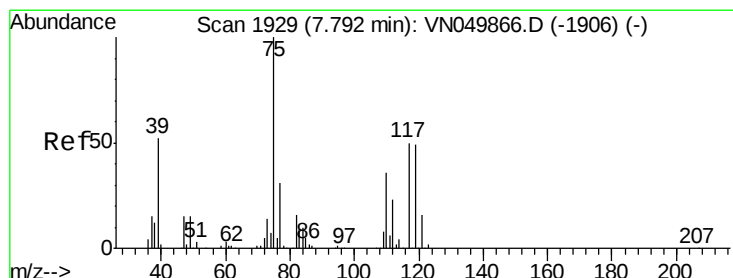
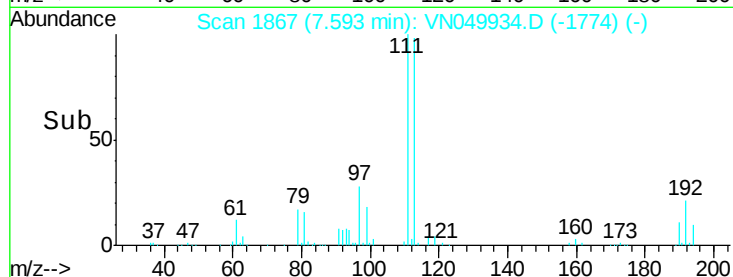
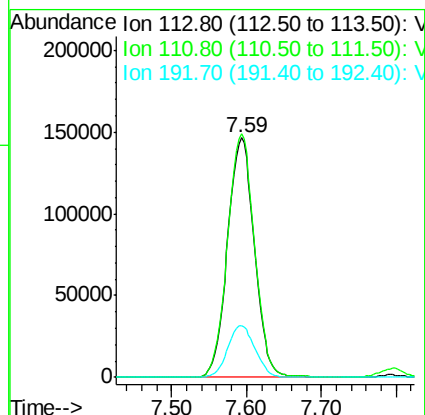
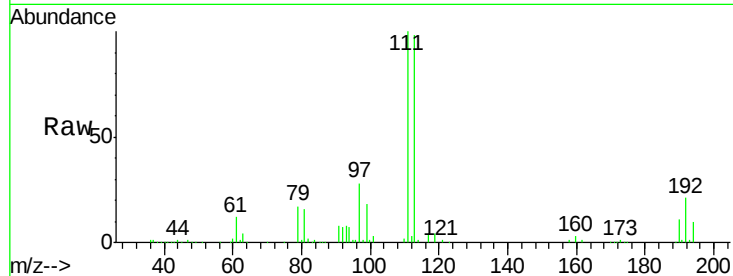




#35
 Dibromofluoromethane
 Concen: 49.84 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

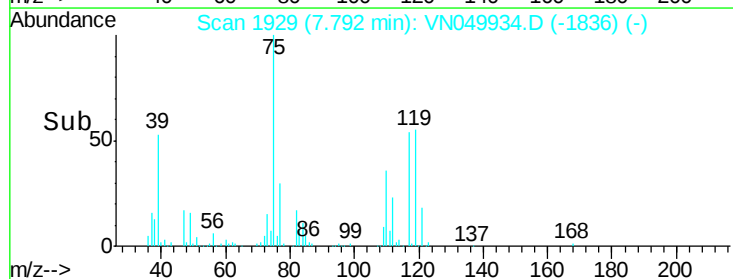
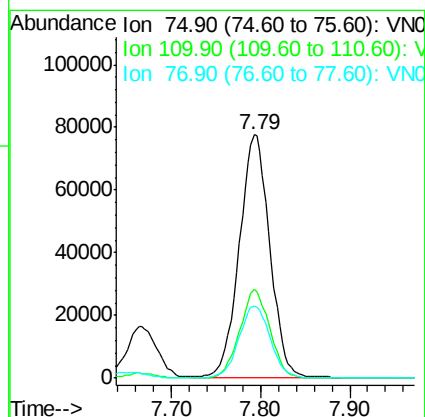
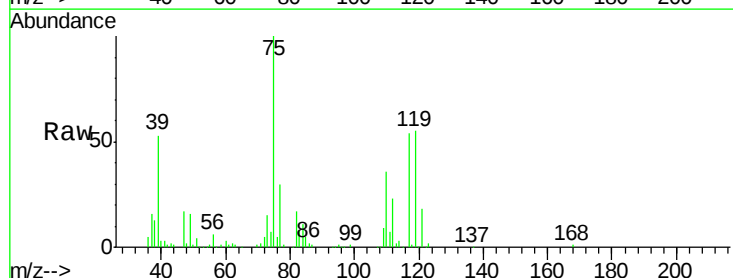
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

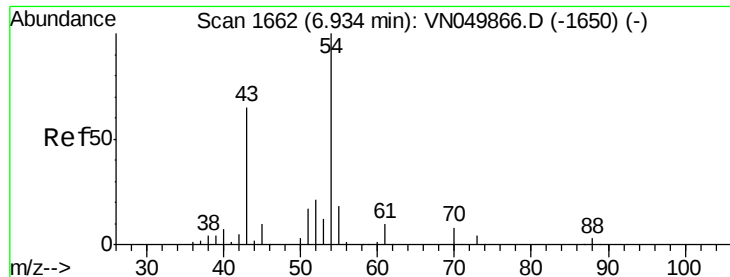
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.8
192	21.9	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 18.83 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.4
77	30.7	24.9	37.3

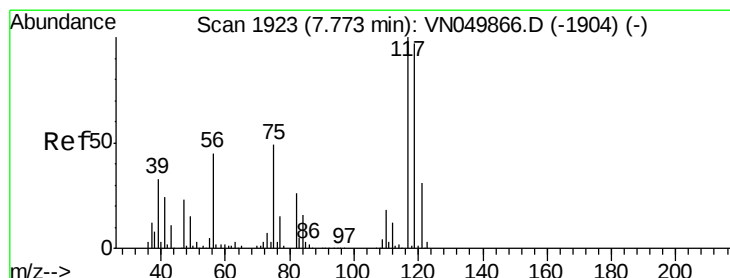
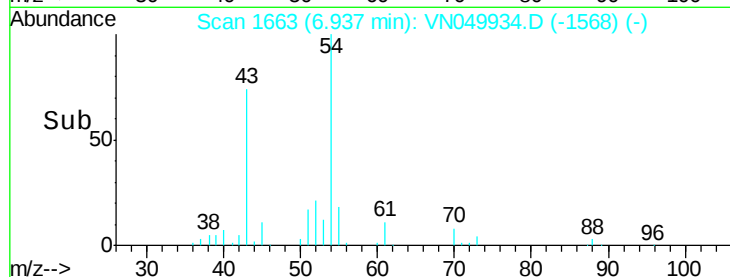
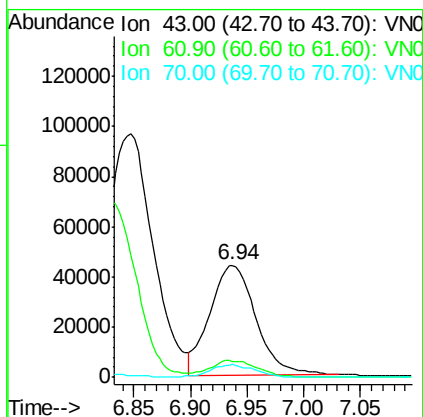
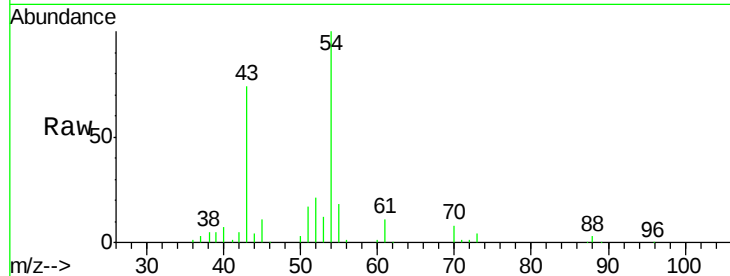




#37
Ethyl Acetate
Concen: 18.81 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

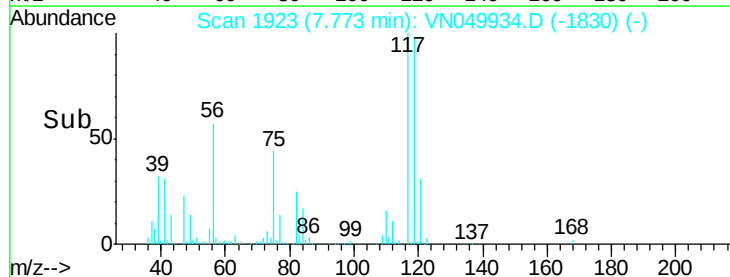
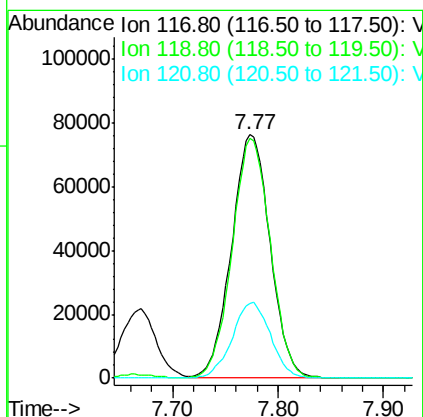
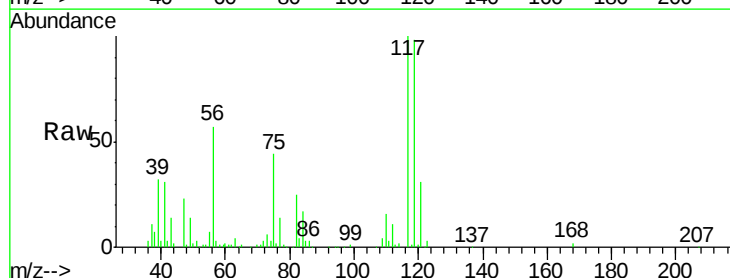
Instrument :
MSVOA_N
ClientSampleID :
VN0719WBSD02

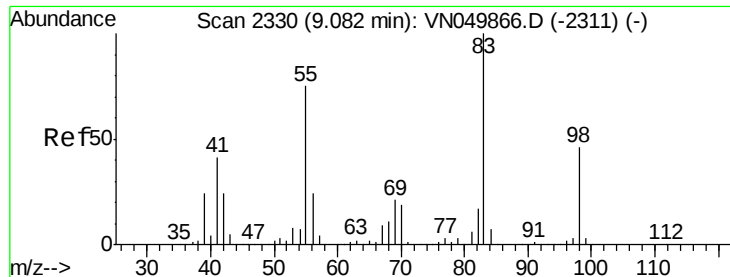
Tot Ion: 43 Resp: 125325
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 11.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.66 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 117 Resp: 194000
Ion Ratio Lower Upper
117 100
119 98.4 77.2 115.8
121 30.9 25.0 37.6

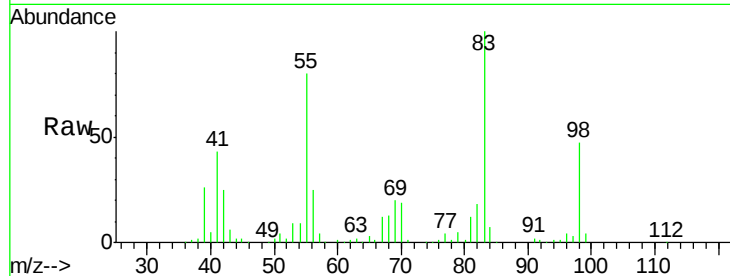




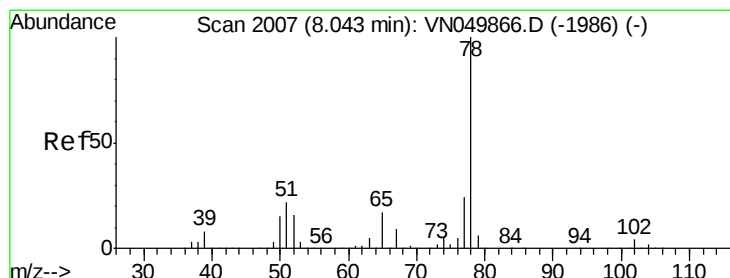
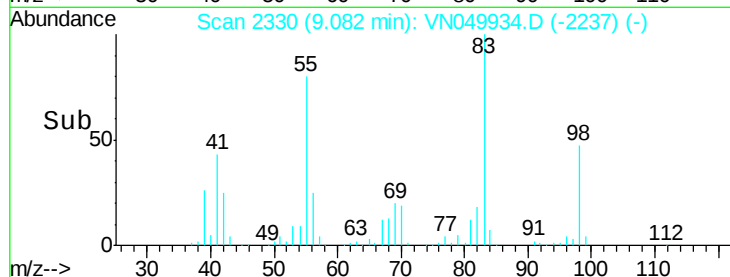
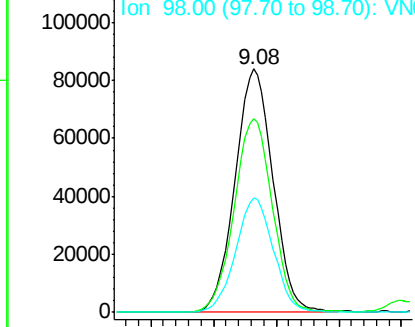
#39
Methvlcvclohexane
Concen: 17.68 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion: 83 Resp: 177220
Ion Ratio Lower Upper
83 100
55 79.8 59.7 89.5
98 47.2 36.5 54.7

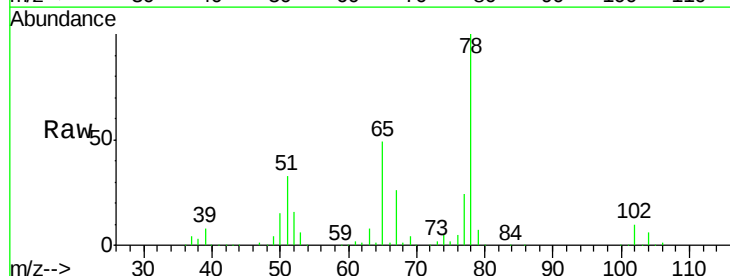


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

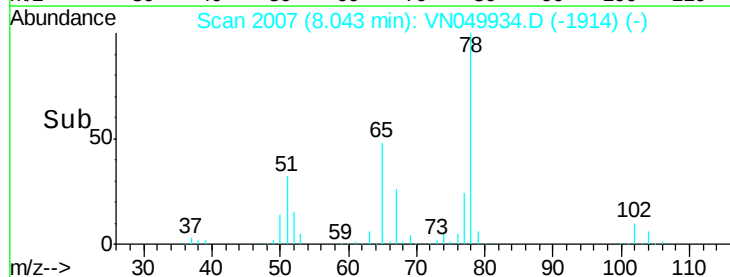
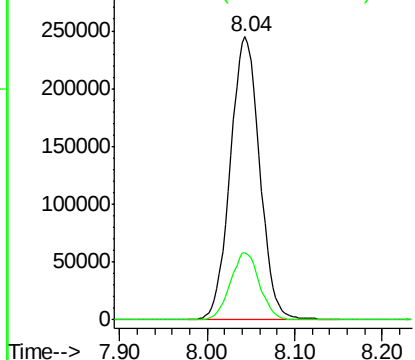


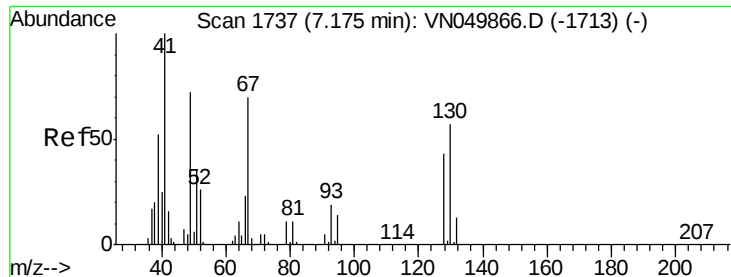
#40
Benzene
Concen: 19.33 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 78 Resp: 571800
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



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

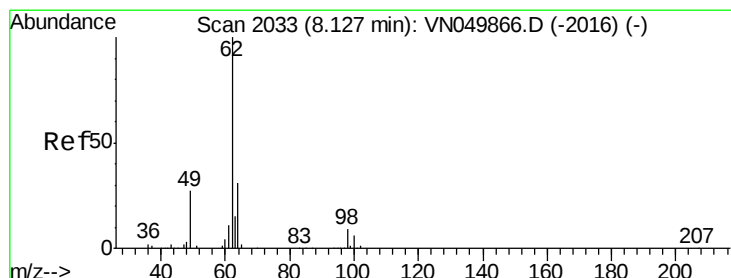
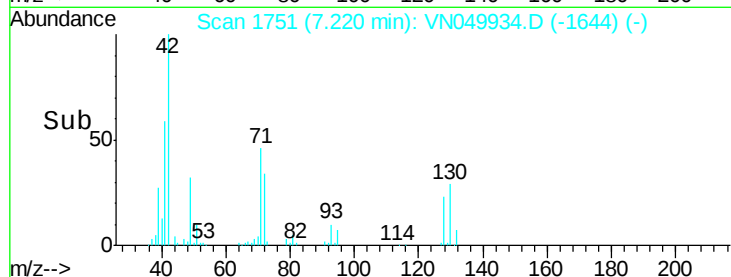
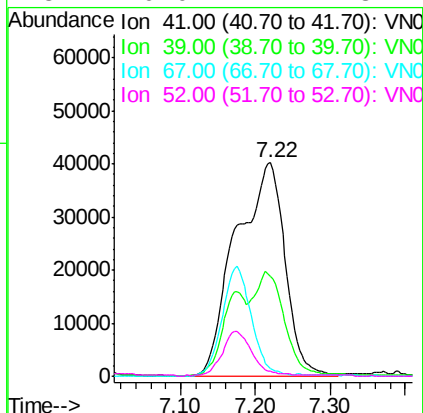
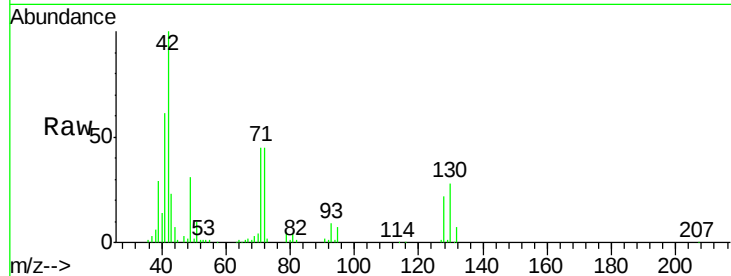




#41
Methacrylonitrile
Concen: 54.88 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.04 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

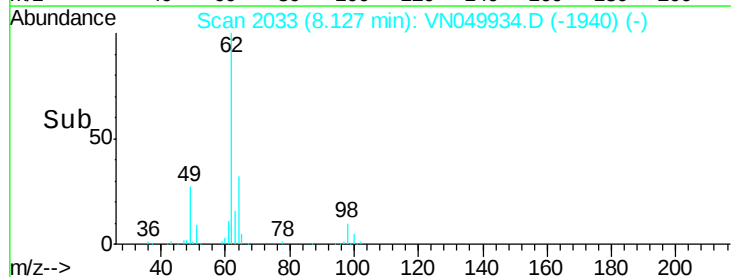
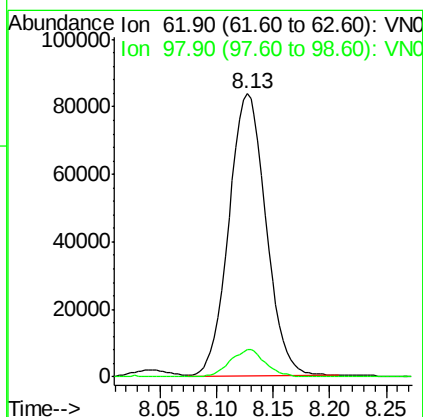
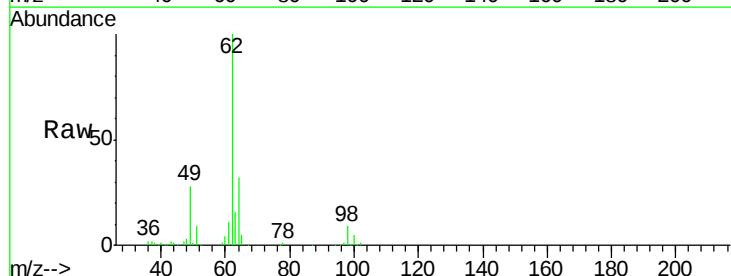
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

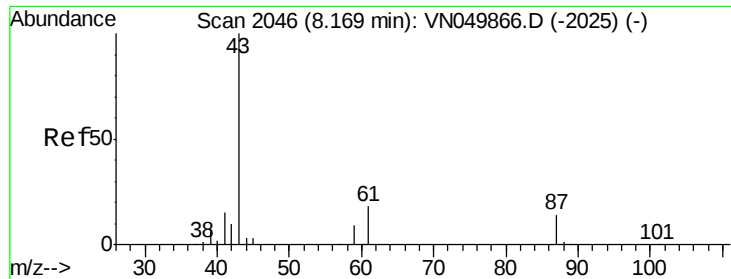
Tot Ion: 41 Resp: 183340
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.2#
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 62 Resp: 191555
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.0





#43

Isopropyl Acetate

Concen: 21.66 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleID :

VN0719WBSD02

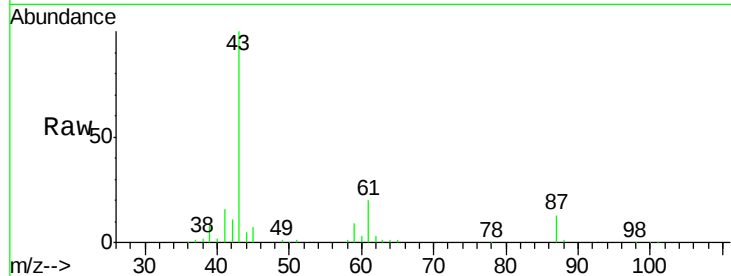
Tot Ion: 43 Resp: 252243

Ion Ratio Lower Upper

43 100

61 17.5 14.9 22.3

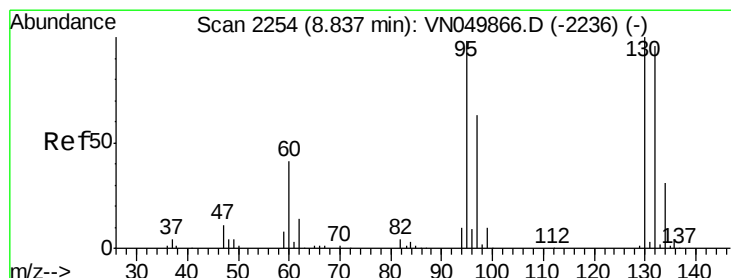
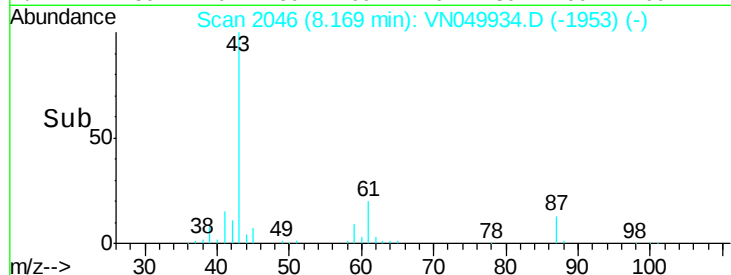
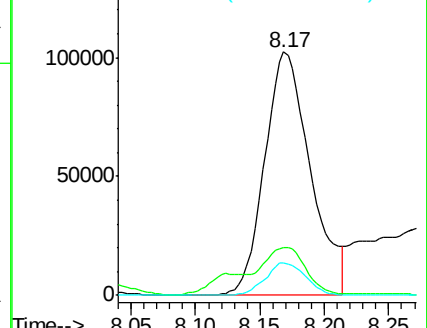
87 11.8 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)



#44

Trichloroethene

Concen: 18.68 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049934.D

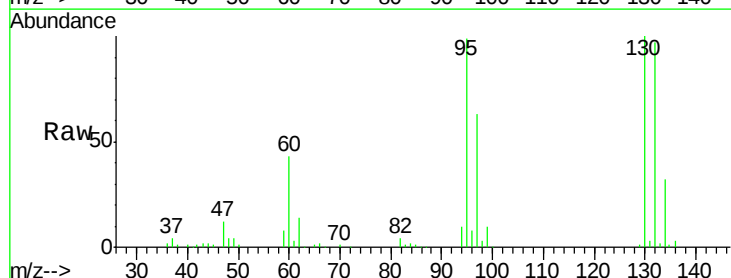
Acq: 19 Jul 2018 23:46

Tgt Ion:130 Resp: 144882

Ion Ratio Lower Upper

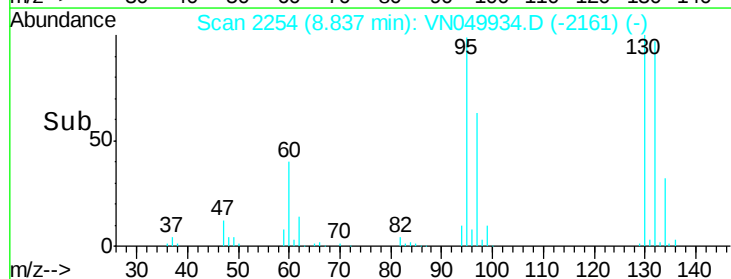
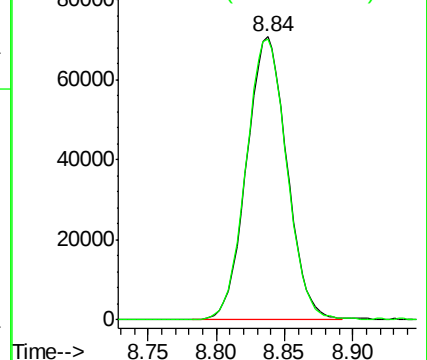
130 100

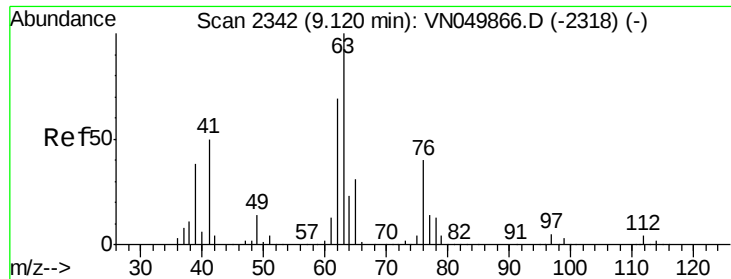
95 99.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049866.D (-2236) (-)

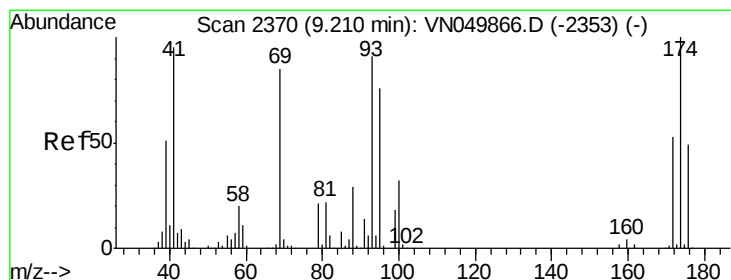
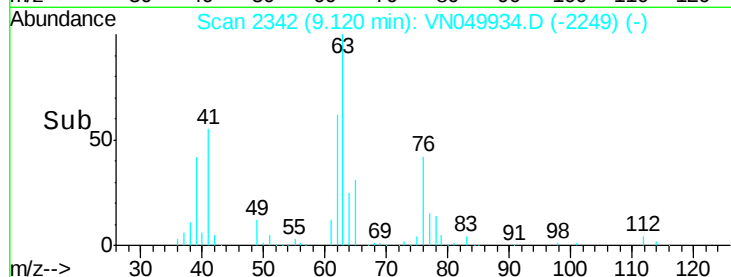
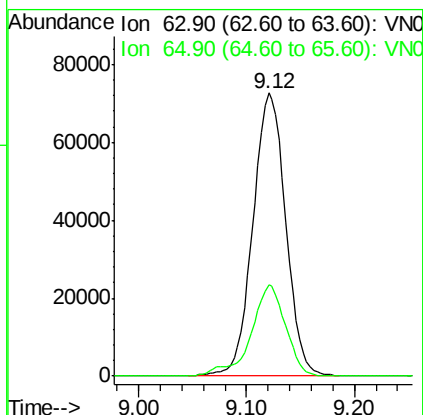
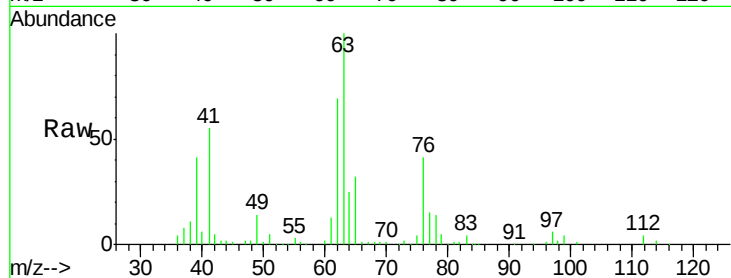




#45
 1,2-Dichloropropane
 Concen: 19.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

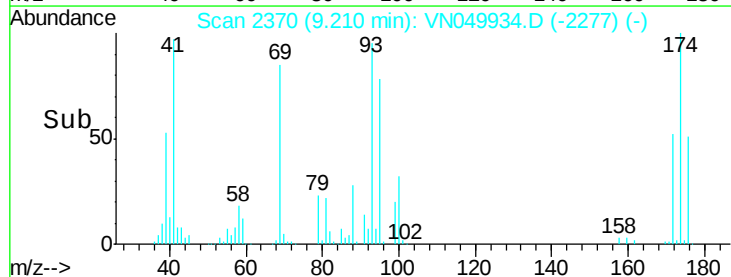
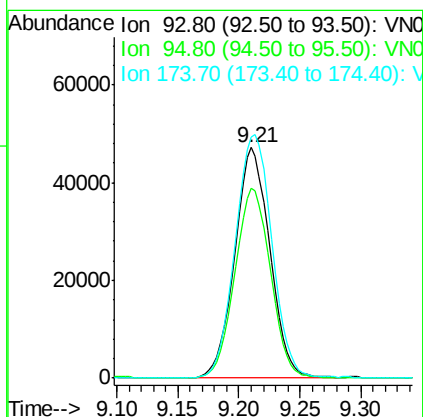
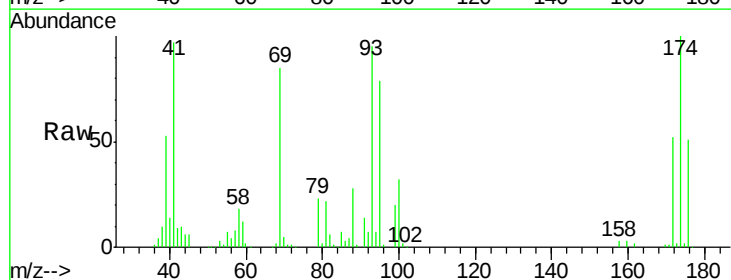
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

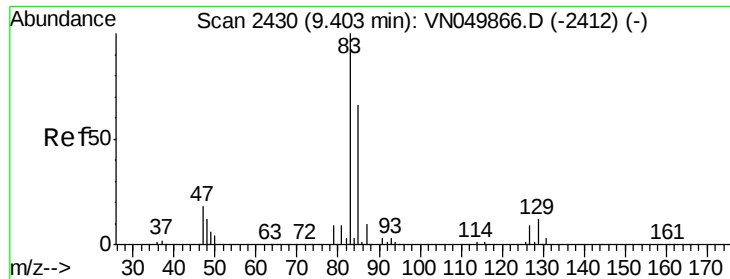
Tot Ion: 63 Resp: 153461
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1



#46
 Dibromomethane
 Concen: 19.03 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 93 Resp: 94178
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.9 101.9
 174 110.4 89.4 134.0





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

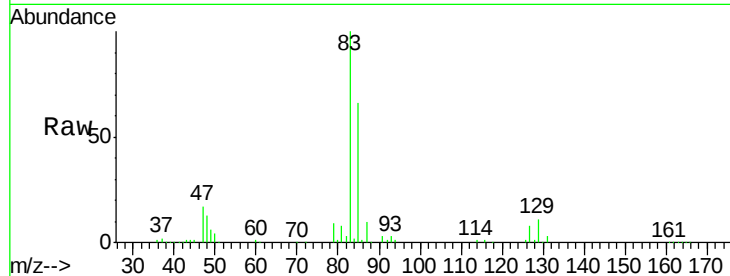
Tot Ion: 83 Resp: 201105

Ion Ratio Lower Upper

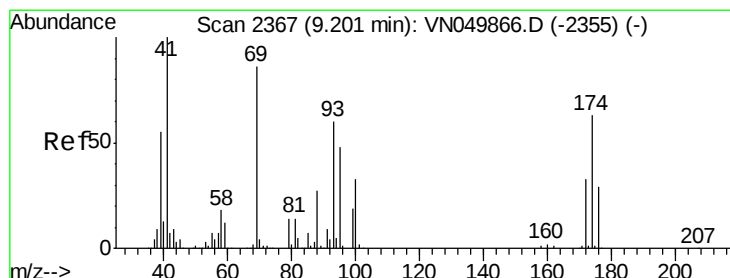
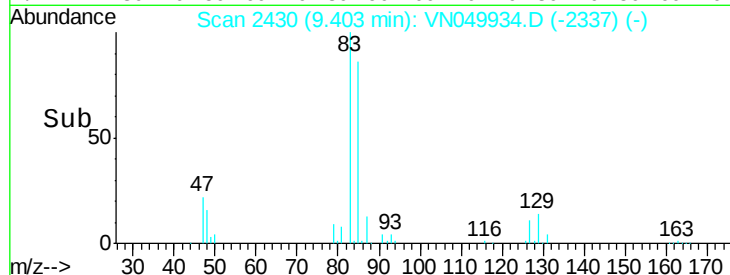
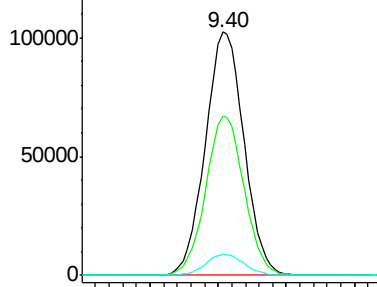
83 100

85 65.5 50.5 75.7

127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.01 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

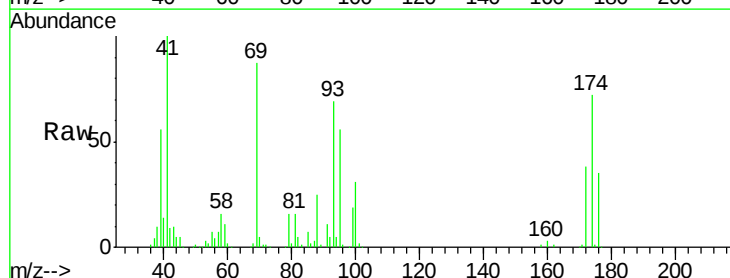
Tgt Ion: 41 Resp: 111025

Ion Ratio Lower Upper

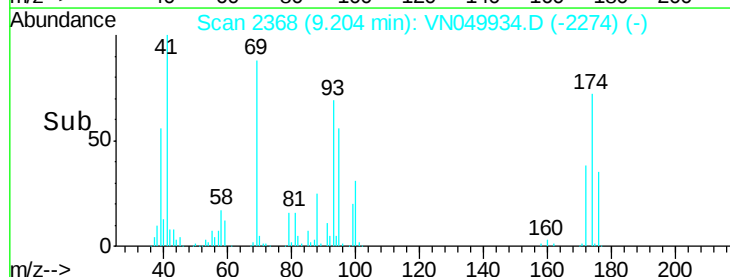
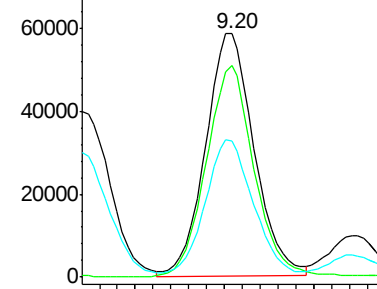
41 100

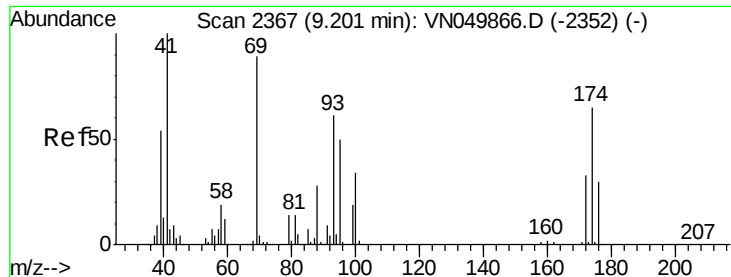
69 87.0 71.5 107.3

39 56.4 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 372.39 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

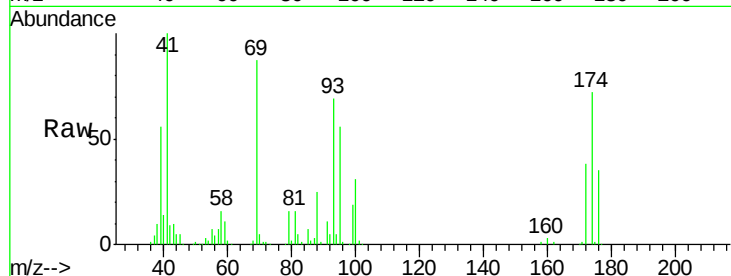
Tot Ion: 88 Resp: 30854

Ion Ratio Lower Upper

88 100

43 35.0 25.1 37.7

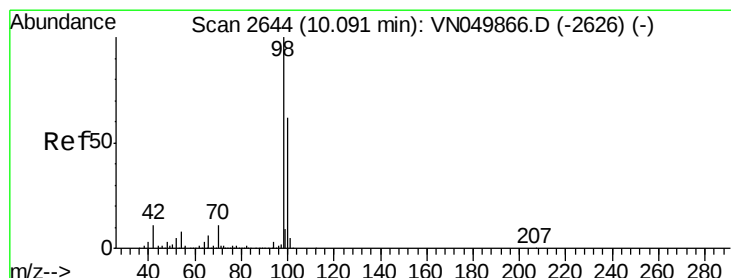
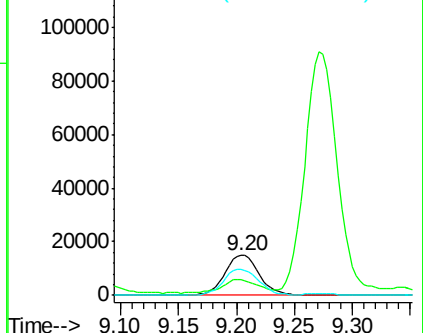
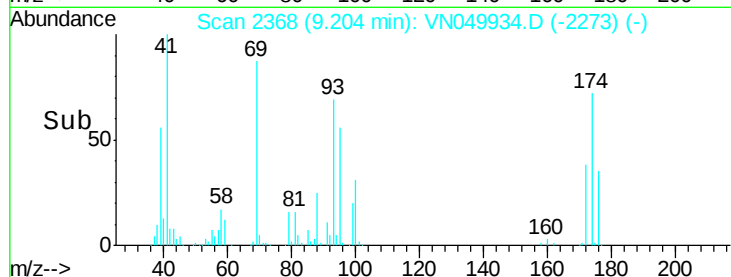
58 67.1 52.5 78.7



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: 49.23 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049934.D

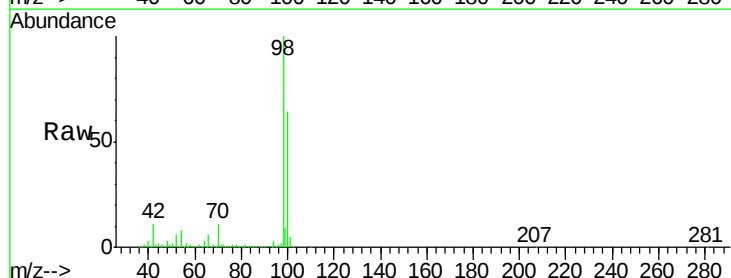
Acq: 19 Jul 2018 23:46

Tgt Ion: 98 Resp: 1314295

Ion Ratio Lower Upper

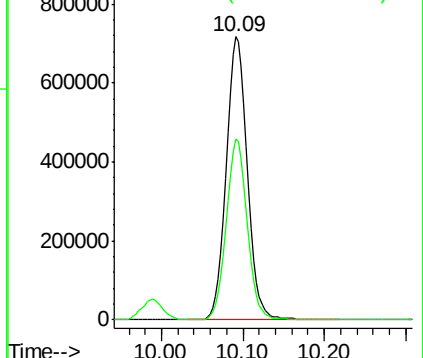
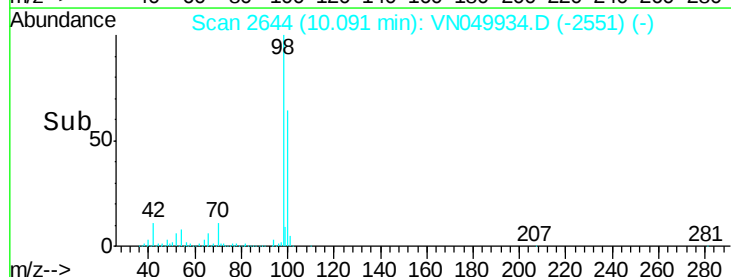
98 100

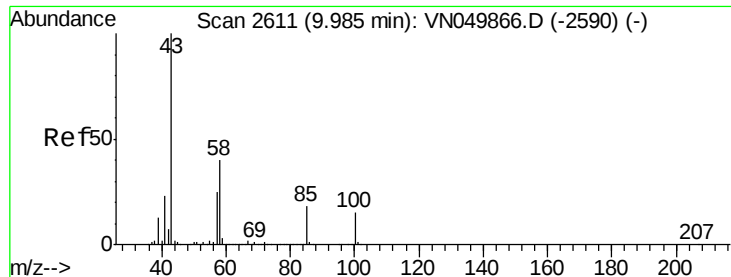
100 63.5 51.7 77.5



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: 99.70 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

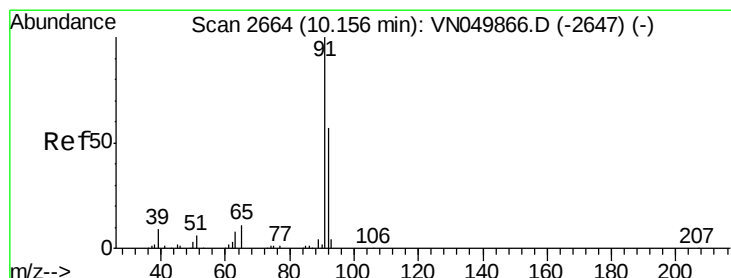
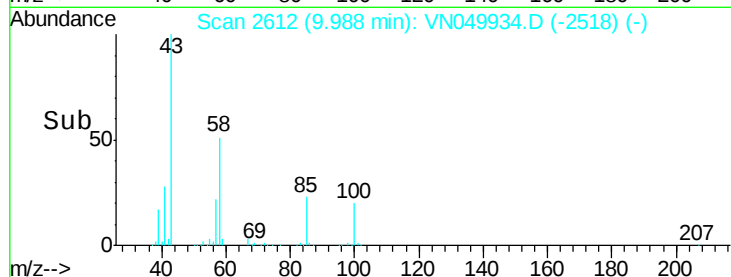
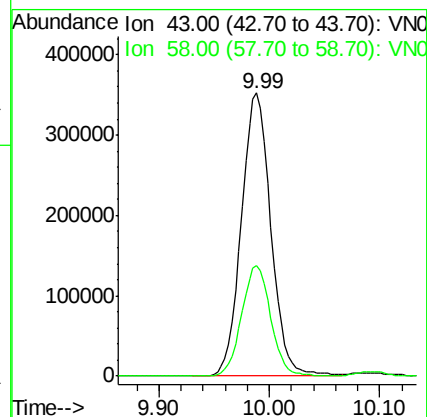
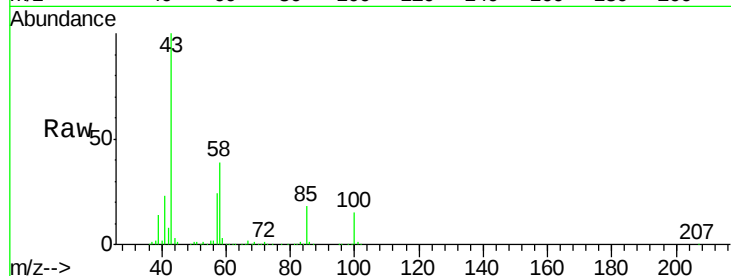
VN0719WBSD02

Tot Ion: 43 Resp: 648890

Ion Ratio Lower Upper

43 100

58 38.9 31.8 47.8



#52

Toluene

Concen: 19.84 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049934.D

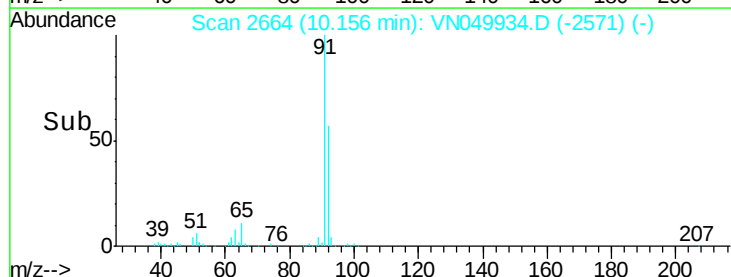
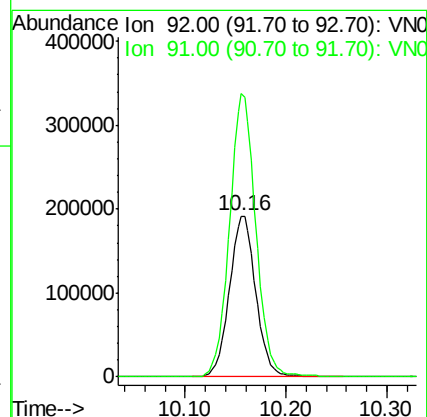
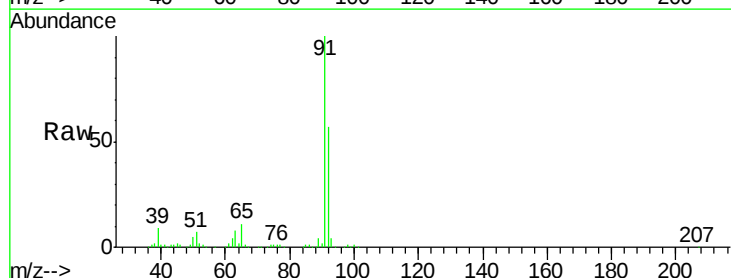
Acq: 19 Jul 2018 23:46

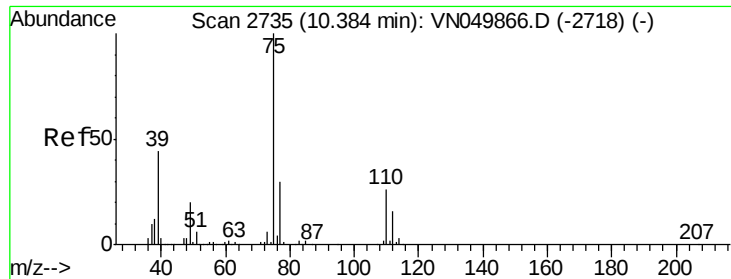
Tgt Ion: 92 Resp: 350093

Ion Ratio Lower Upper

92 100

91 175.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.43 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

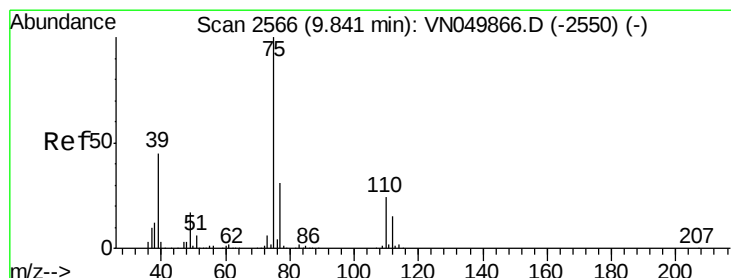
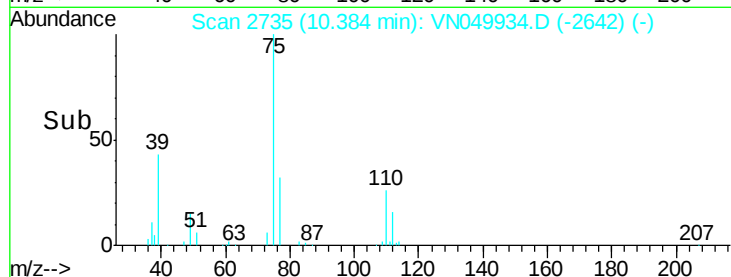
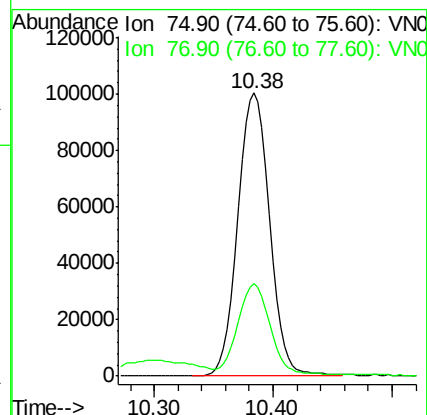
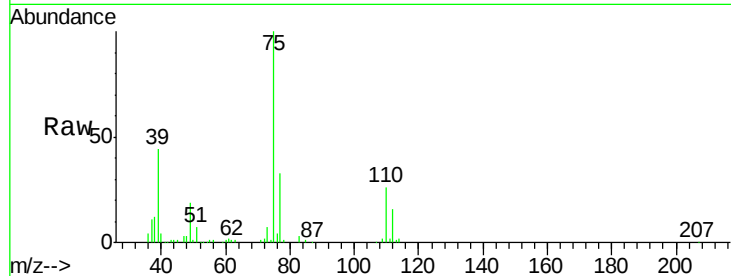
VN0719WBSD02

Tot Ion: 75 Resp: 186550

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.23 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

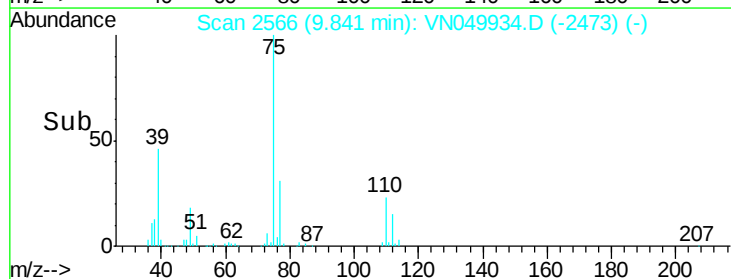
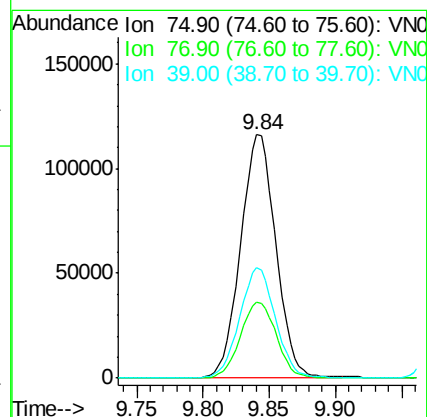
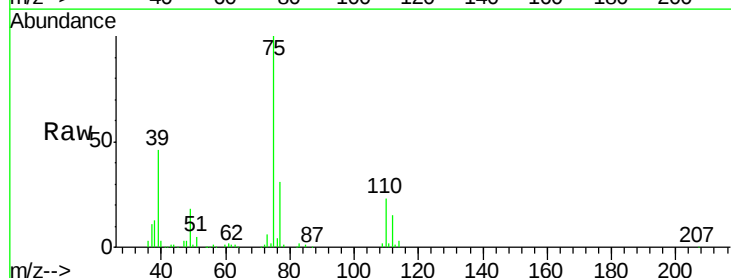
Tgt Ion: 75 Resp: 215036

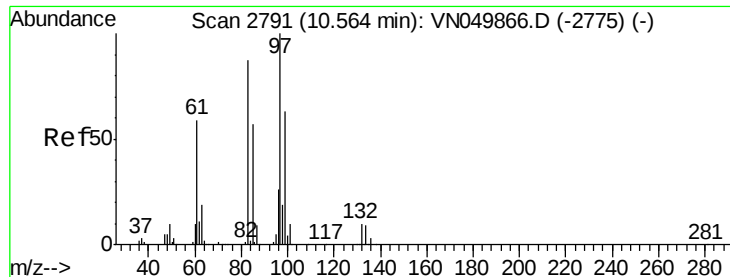
Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 45.5 35.5 53.3

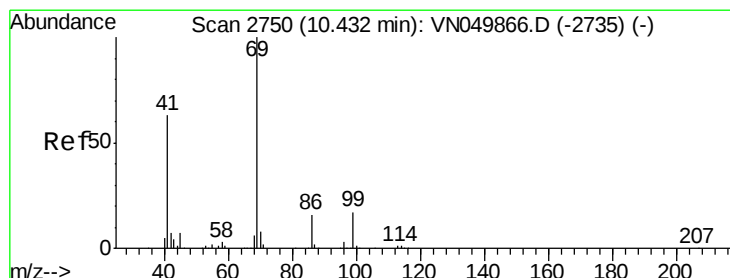
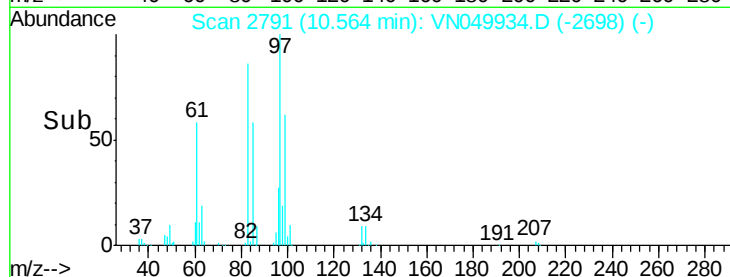
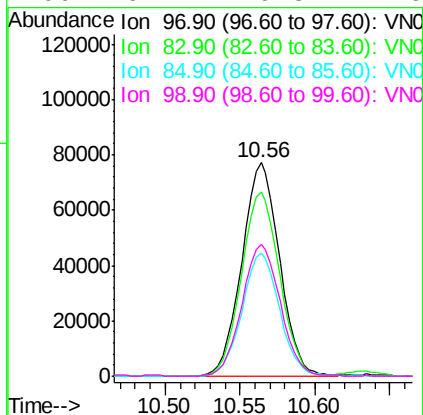
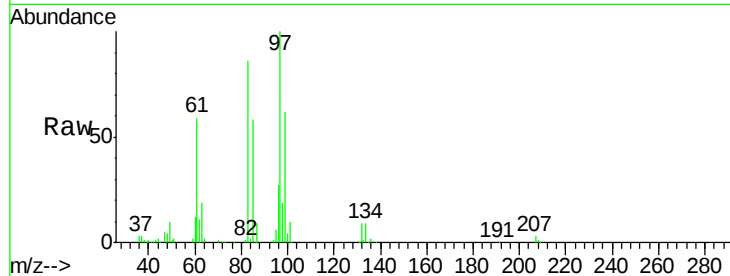




#55
 1,1,2-Trichloroethane
 Concen: 18.63 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

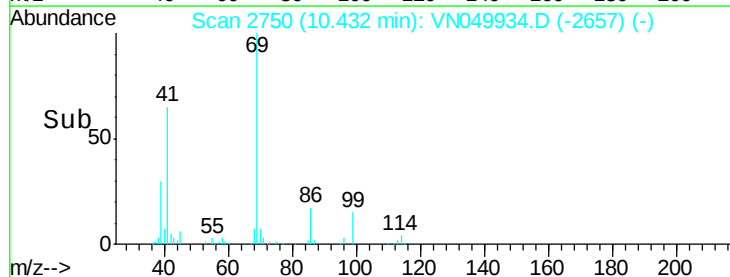
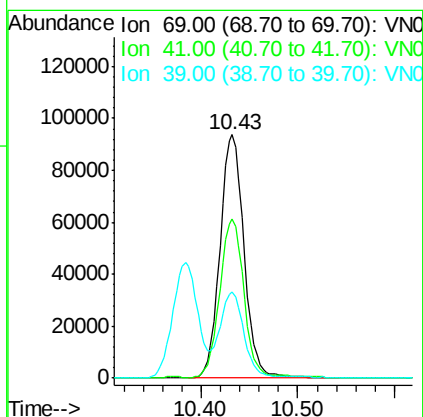
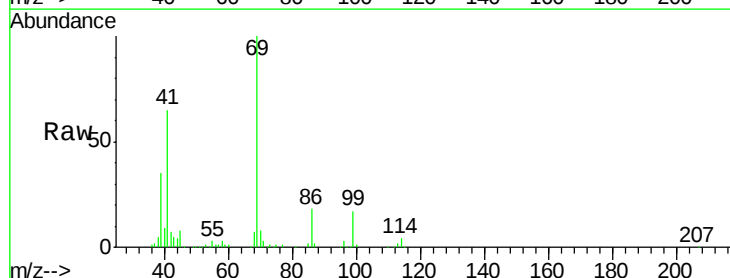
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

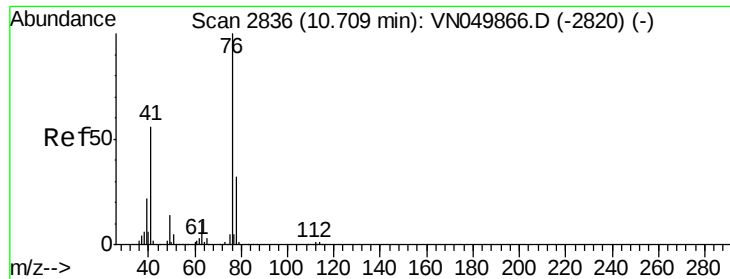
Tot Ion: 97 Resp: 135779
 Ion Ratio Lower Upper
 97 100
 83 86.3 69.0 103.6
 85 57.7 44.9 67.3
 99 61.4 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 17.97 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 69 Resp: 161786
 Ion Ratio Lower Upper
 69 100
 41 65.2 51.6 77.4
 39 34.8 25.8 38.8





#57

1,3-Dichloropropane

Concen: 19.47 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

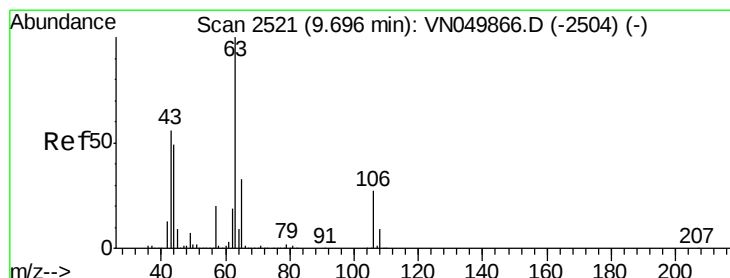
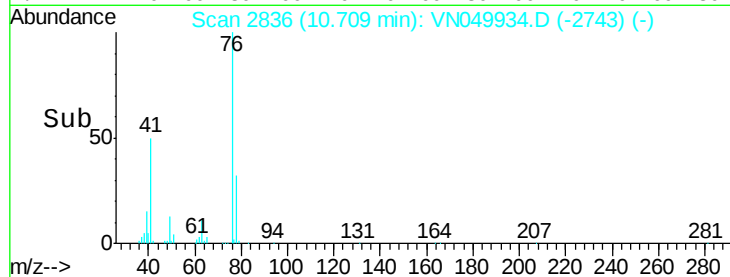
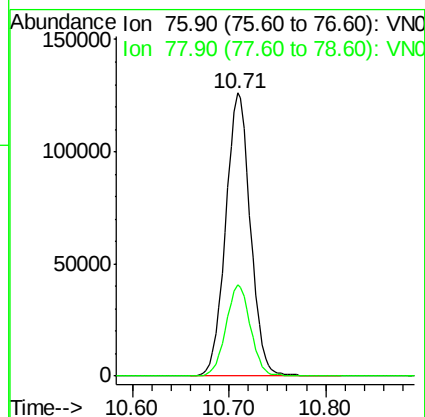
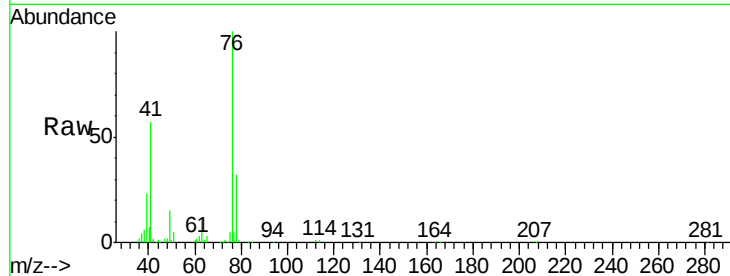
VN0719WBSD02

Tot Ion: 76 Resp: 223544

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.23 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049934.D

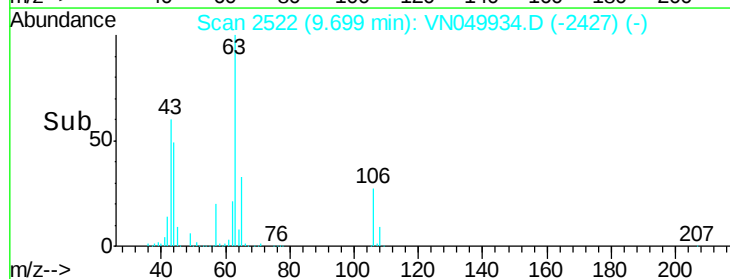
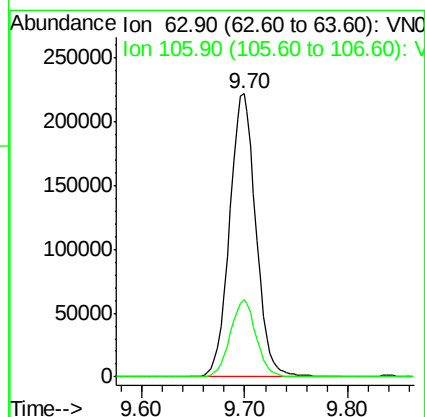
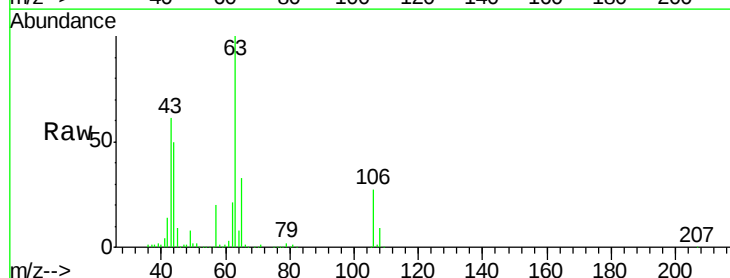
Acq: 19 Jul 2018 23:46

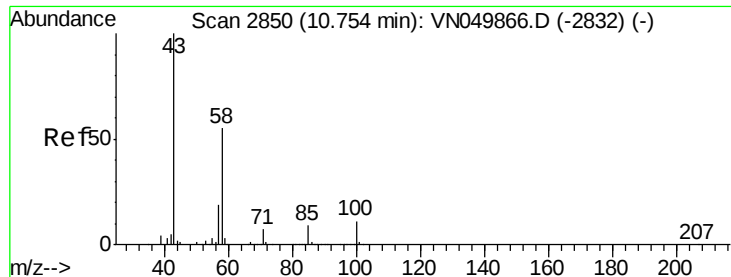
Tgt Ion: 63 Resp: 394898

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8

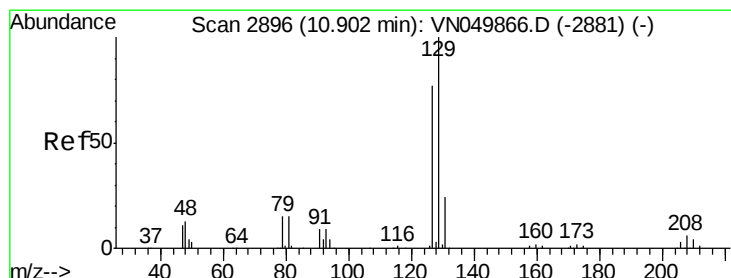
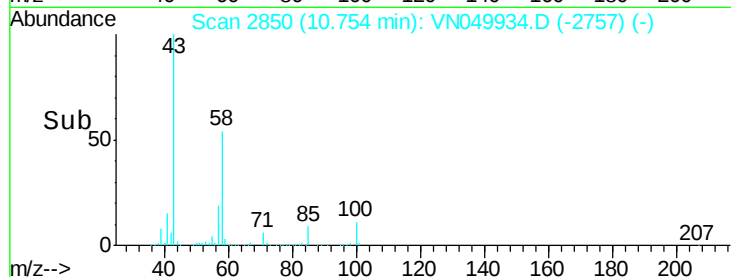
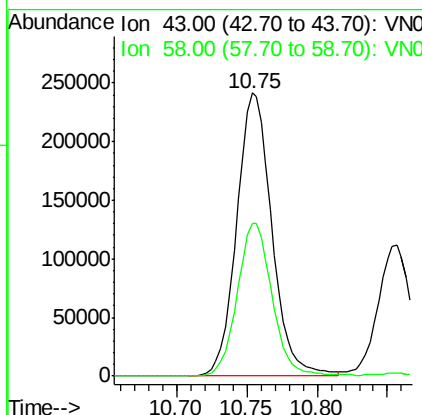
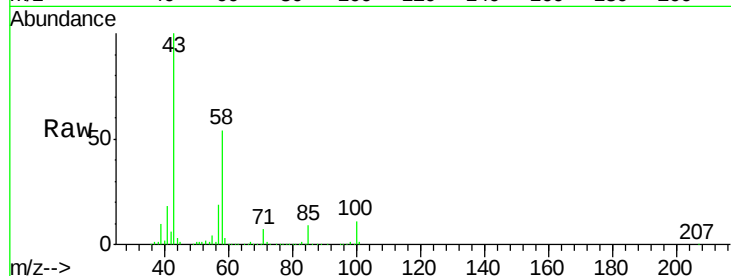




#59
2-Hexanone
Concen: 95.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

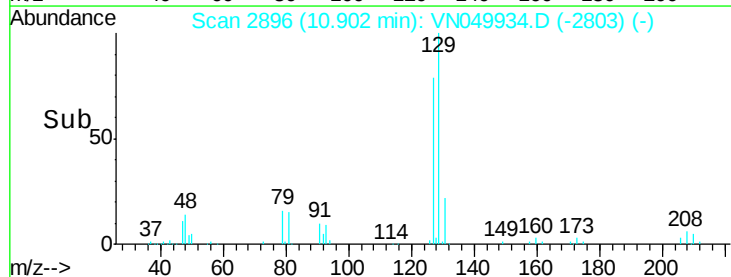
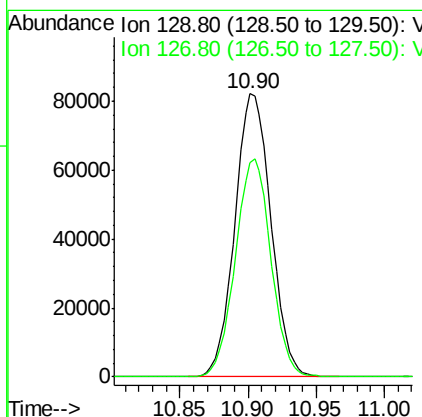
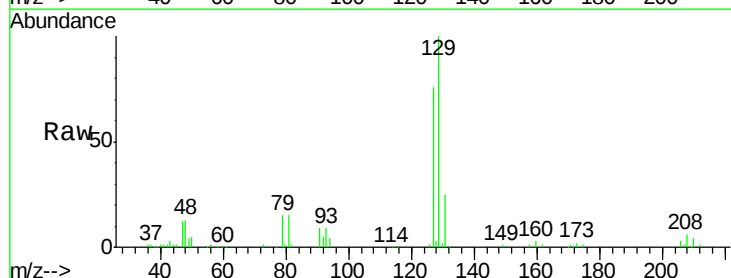
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

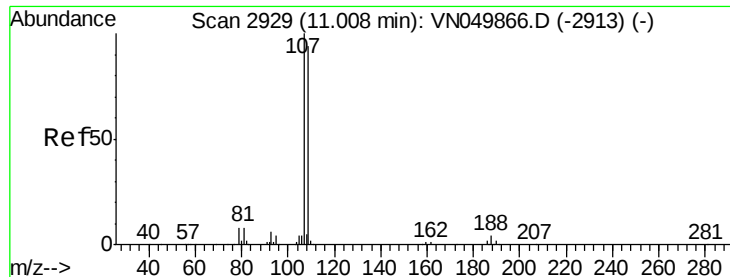
Tot Ion: 43 Resp: 419185
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4



#60
Dibromochloromethane
Concen: 18.90 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 129 Resp: 151063
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9

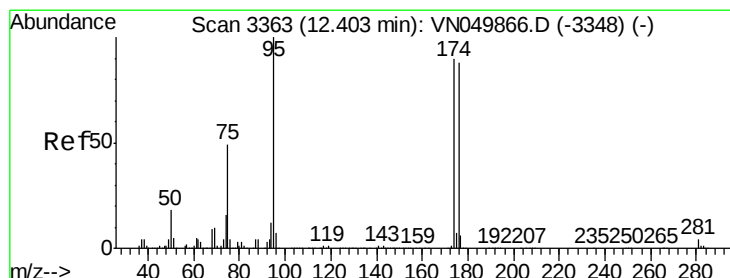
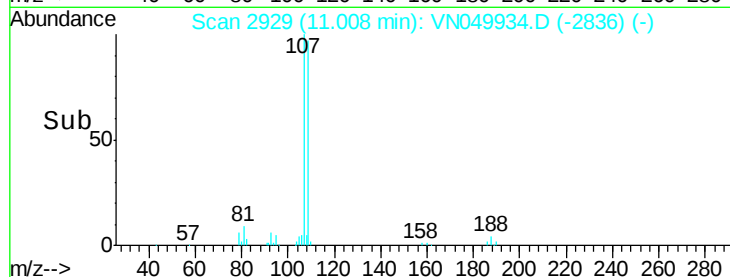
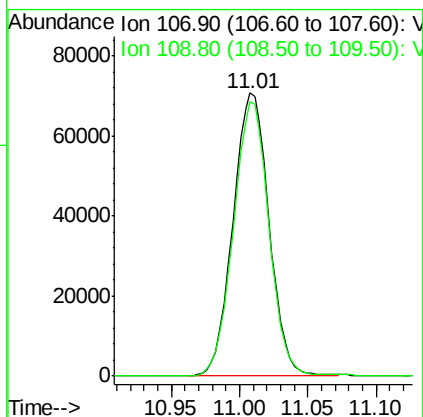
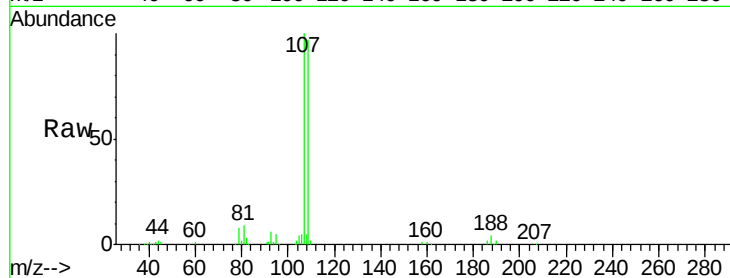




#61
 1,2-Dibromoethane
 Concen: 19.02 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

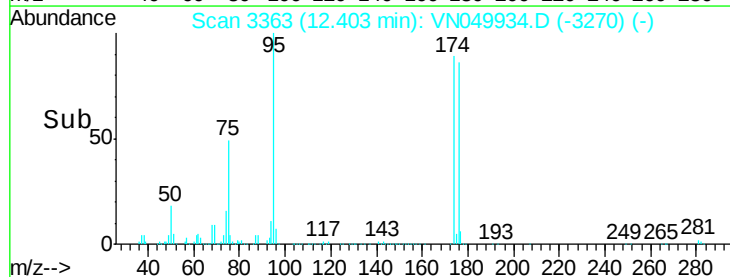
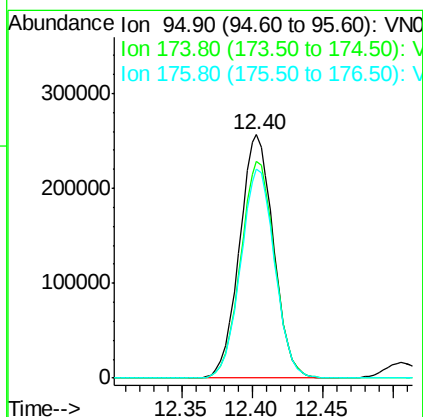
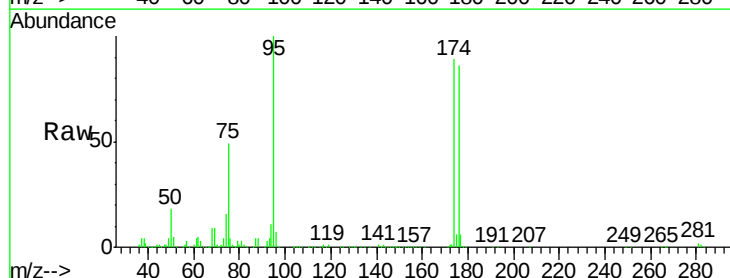
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

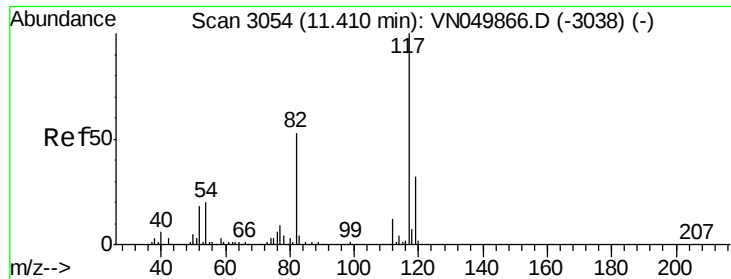
Tot Ion: 107 Resp: 129551
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.97 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion: 95 Resp: 431903
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 179.6
 176 86.2 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: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

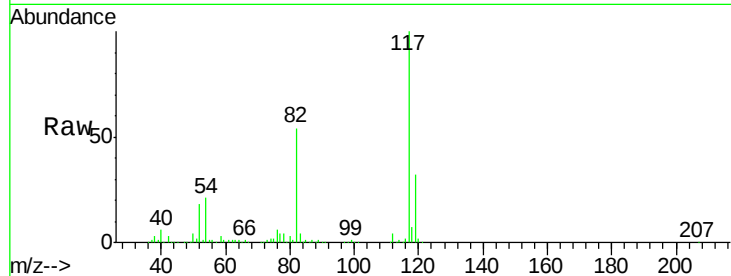
Tot Ion:117 Resp: 771509

Ion Ratio Lower Upper

117 100

82 54.3 41.9 62.9

119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

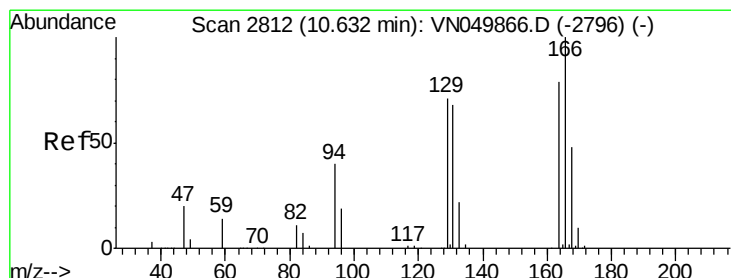
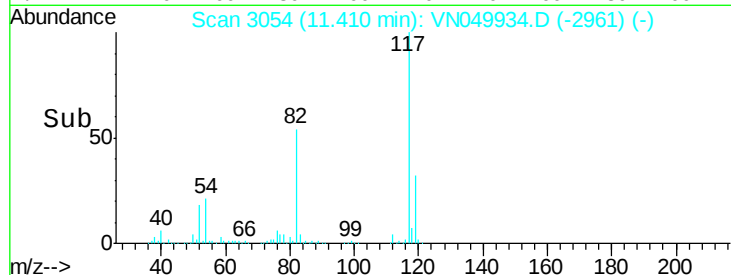
Ion 118.90 (118.60 to 119.60): V

11.41

11.40

11.50

Time-->



#64

Tetrachloroethene

Concen: 19.82 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Tgt Ion:164 Resp: 137396

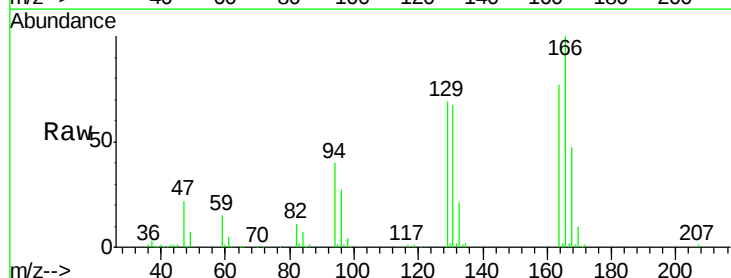
Ion Ratio Lower Upper

164 100

166 129.9 101.8 152.6

129 89.4 72.8 109.2

131 86.5 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

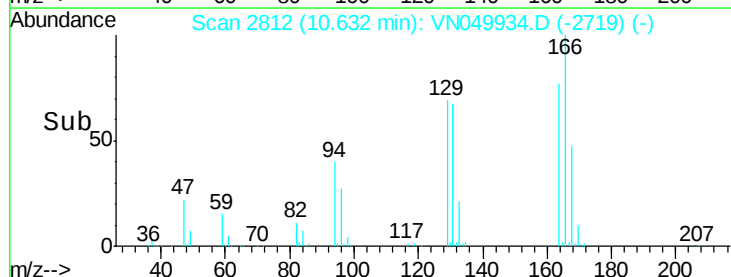
Ion 130.80 (130.50 to 131.50): V

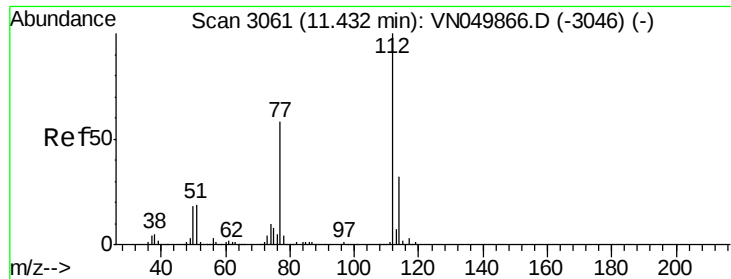
10.63

10.60

10.70

Time-->

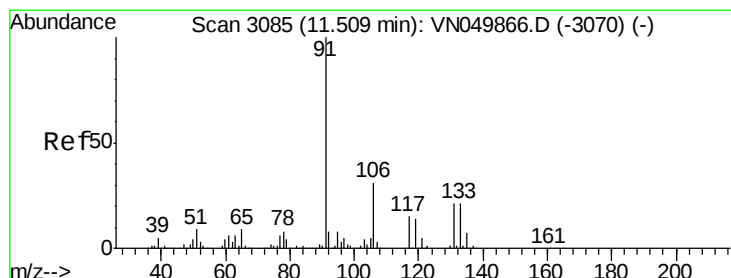
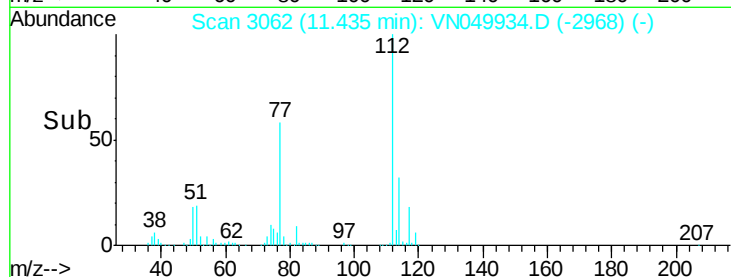
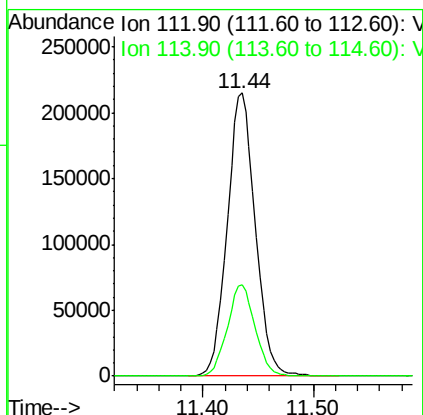
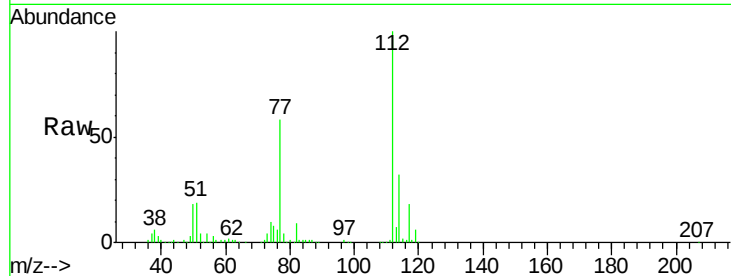




#65
Chlorobenzene
Concen: 19.49 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

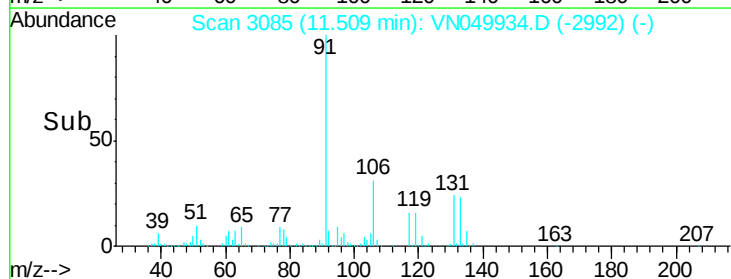
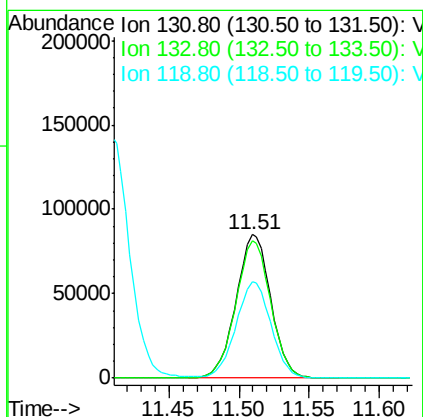
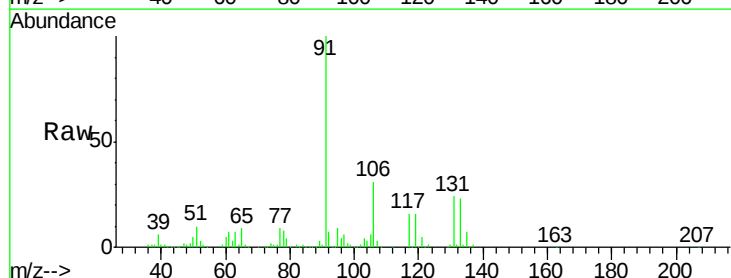
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

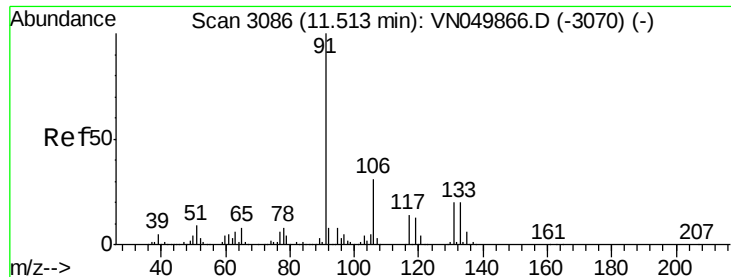
Tot Ion:112 Resp: 377822
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.54 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion:131 Resp: 146734
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 67.7 33.1 99.3

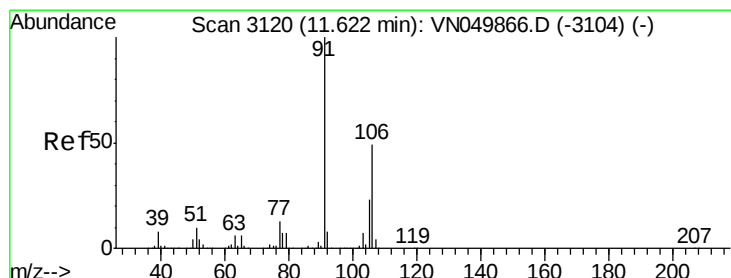
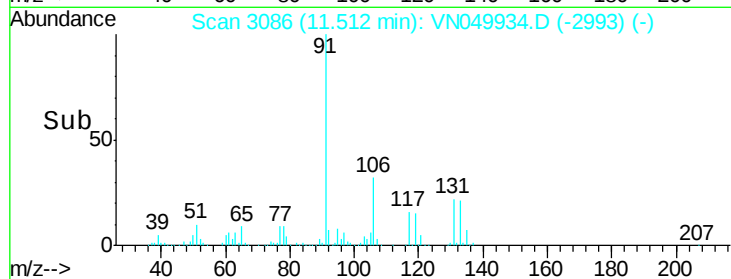
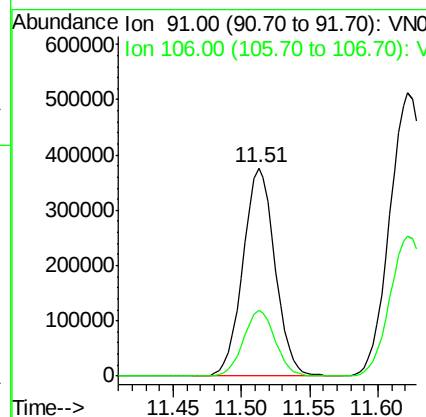
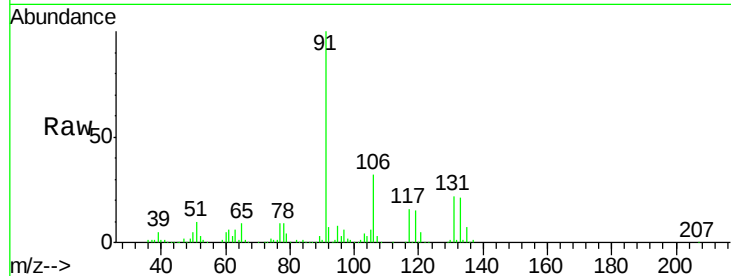




#67
Ethyl Benzene
Concen: 19.52 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

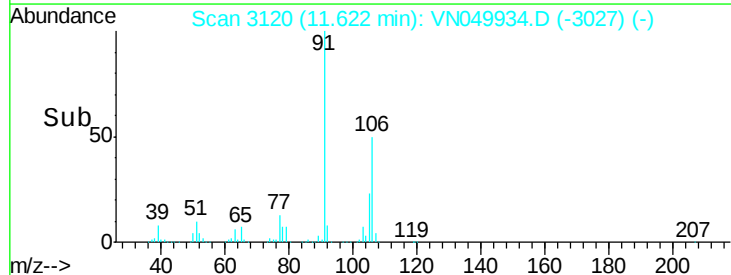
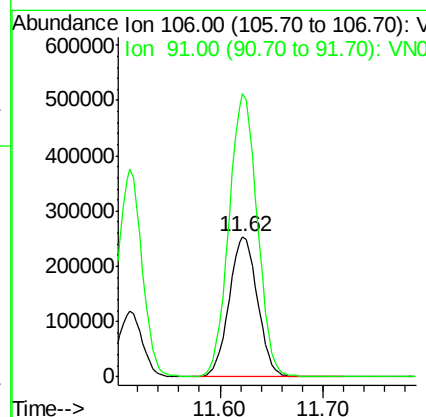
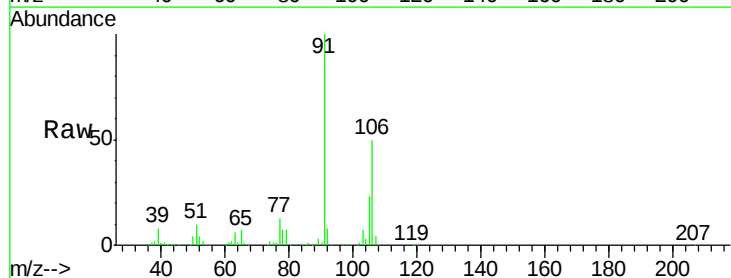
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

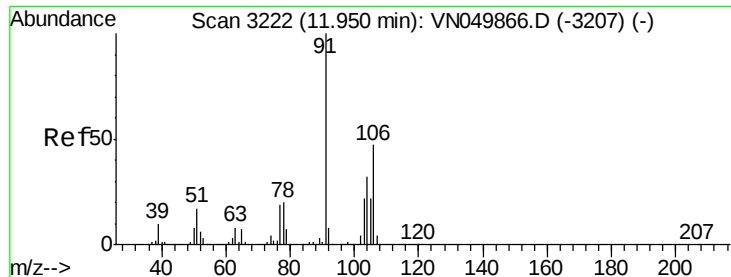
Tot Ion: 91 Resp: 613915
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2



#68
m/p-Xylenes
Concen: 40.82 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 106 Resp: 485917
Ion Ratio Lower Upper
106 100
91 202.0 163.4 245.2

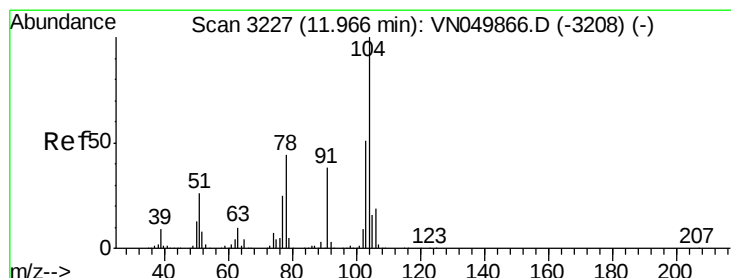
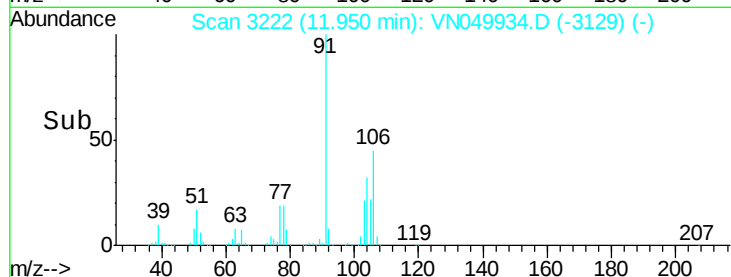
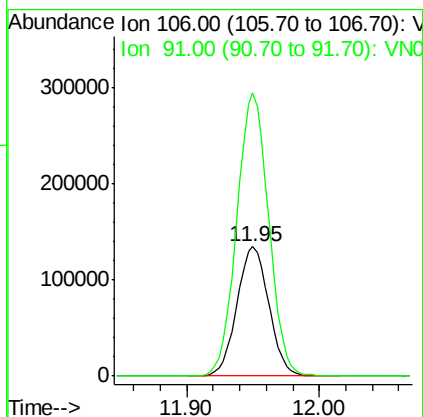
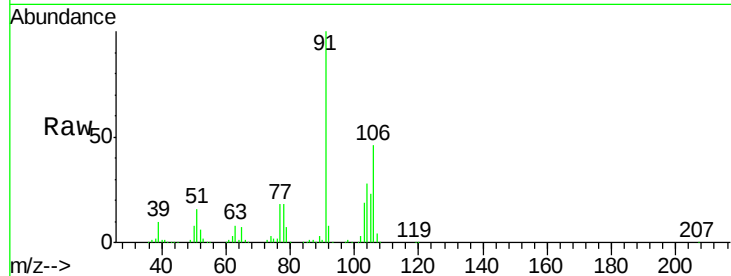




#69
o-Xylene
Concen: 19.71 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

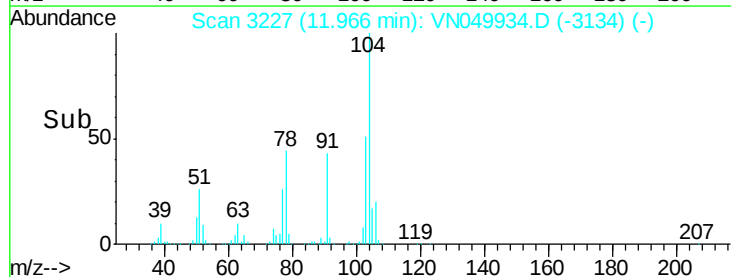
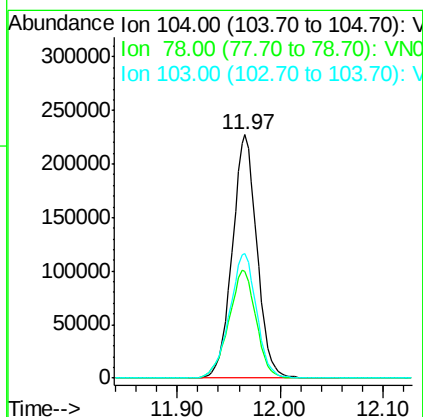
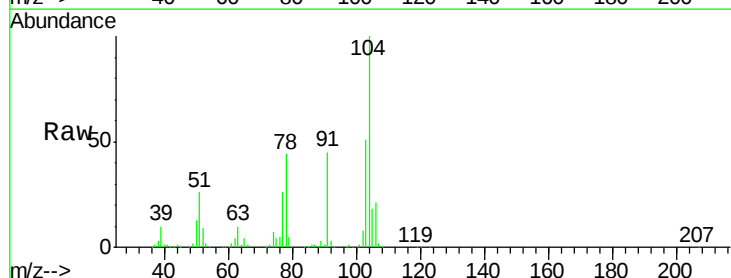
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

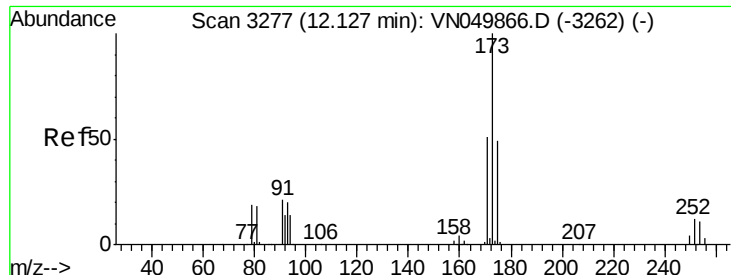
Tot Ion:106 Resp: 225332
Ion Ratio Lower Upper
106 100
91 218.7 108.7 326.1



#70
Styrene
Concen: 20.41 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion:104 Resp: 377906
Ion Ratio Lower Upper
104 100
78 49.1 39.2 58.8
103 56.2 44.6 67.0

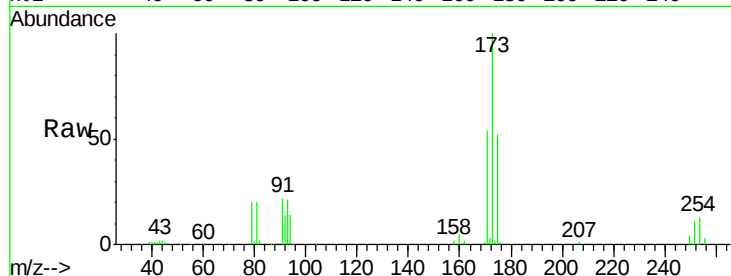




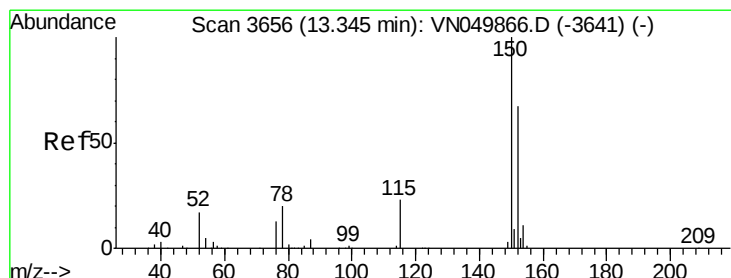
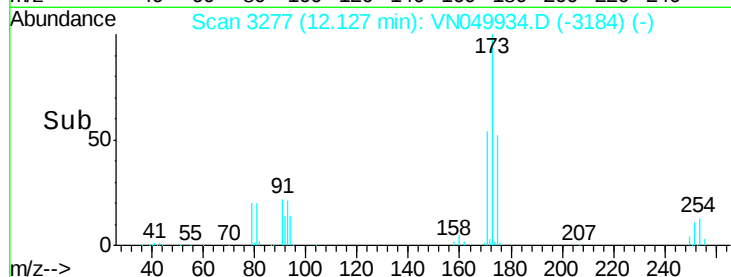
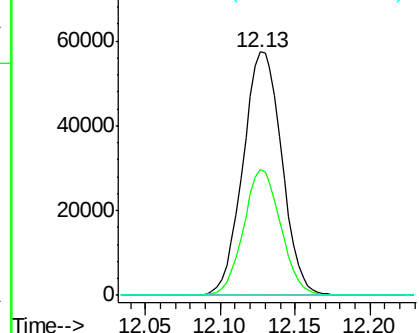
#71
Bromoform
Concen: 19.36 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

Tot Ion:173 Resp: 104012
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.8
254 0.0 0.2 0.2#

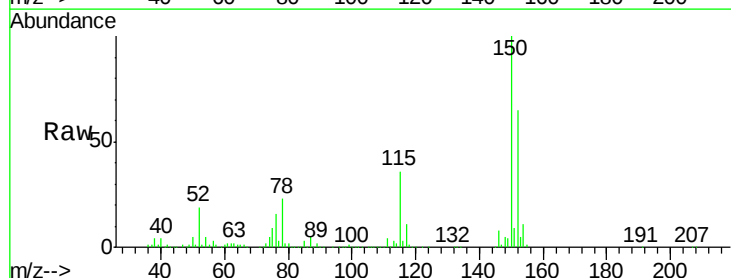


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

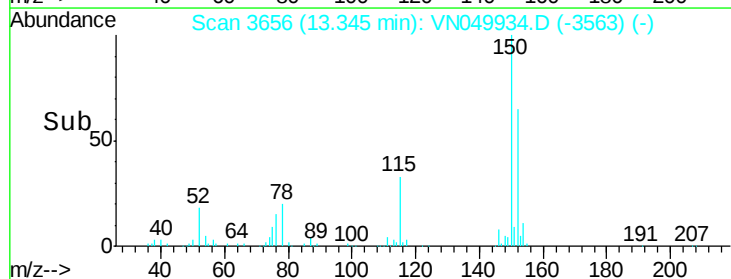
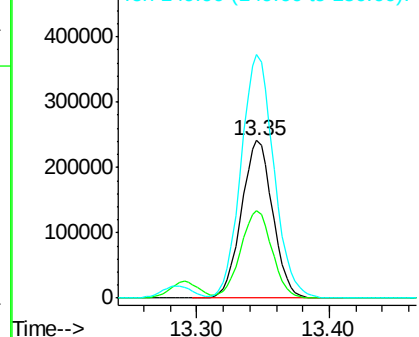


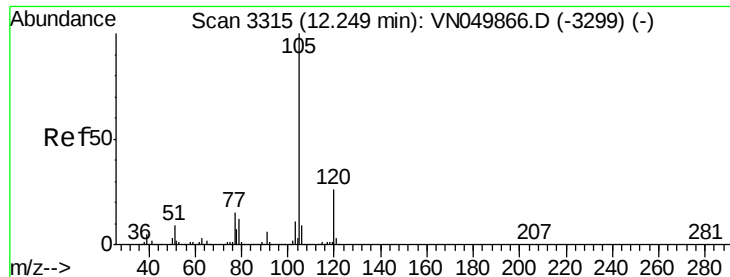
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion:152 Resp: 393319
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 162.7 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: 20.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

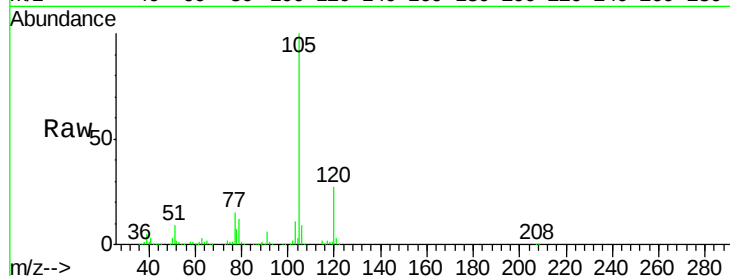
VN0719WBSD02

Tot Ion:105 Resp: 609448

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

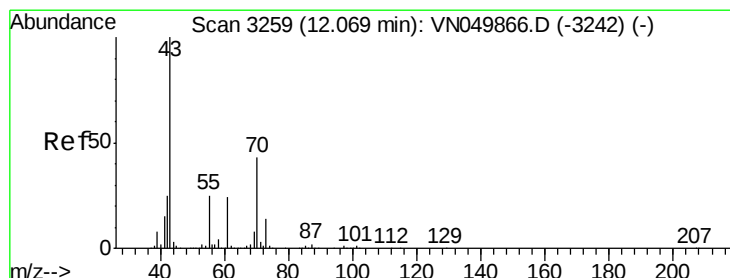
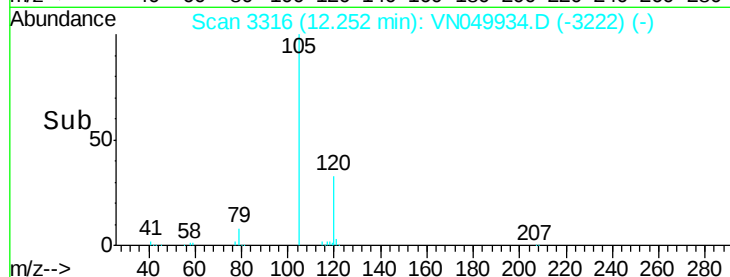
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.58 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Tgt Ion: 43 Resp: 178045

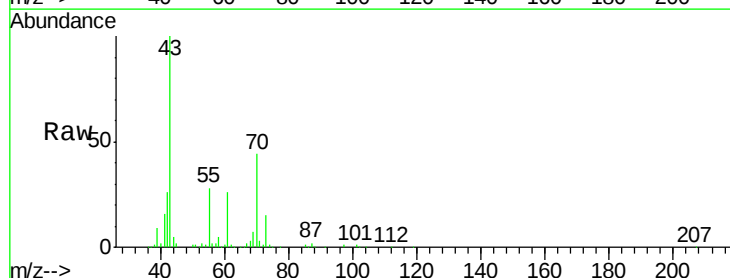
Ion Ratio Lower Upper

43 100

70 43.7 34.8 52.2

55 27.4 20.9 31.3

61 25.3 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

12.07

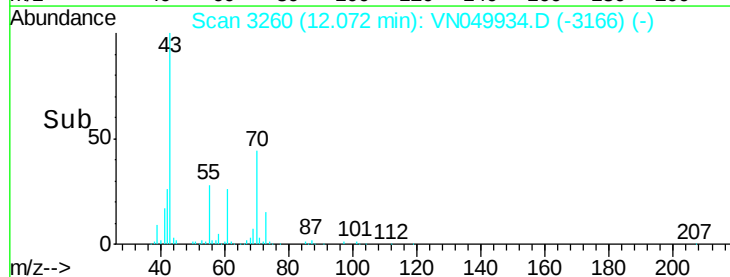
150000

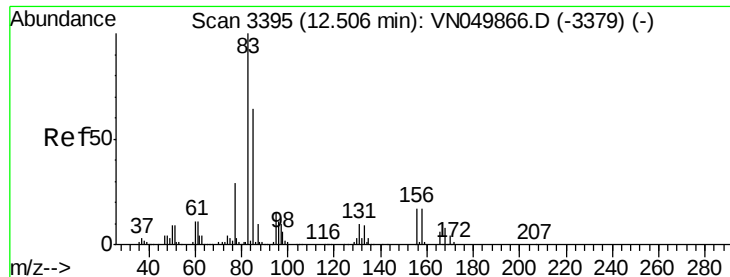
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD02

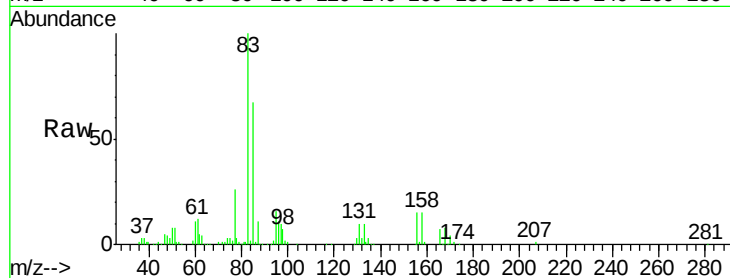
Tot Ion: 83 Resp: 172678

Ion Ratio Lower Upper

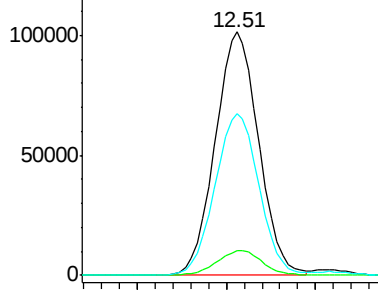
83 100

131 10.6 5.2 15.6

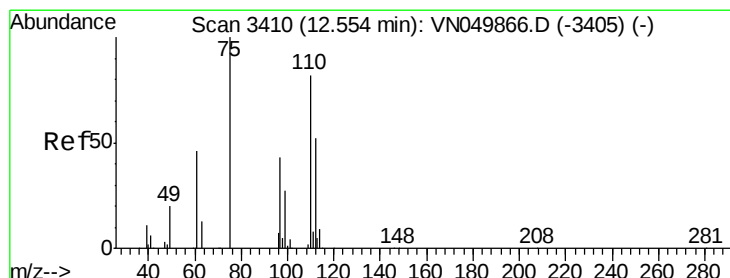
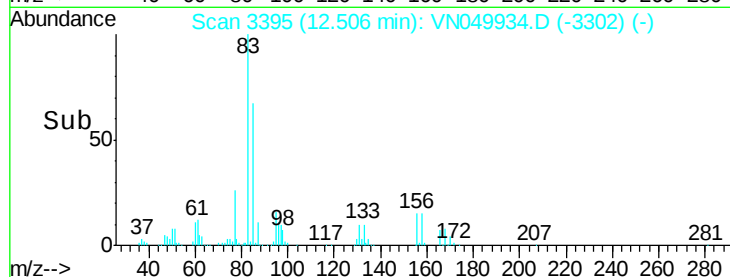
85 67.4 32.5 97.4



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.94 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049934.D

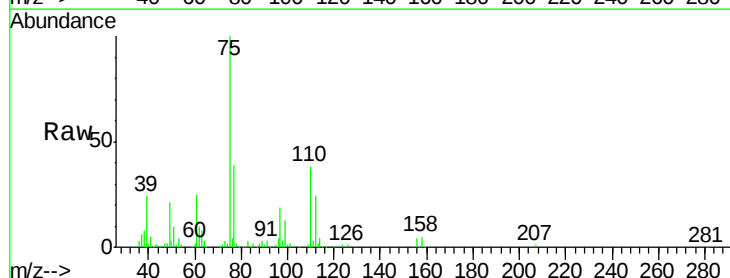
Acq: 19 Jul 2018 23:46

Tgt Ion: 75 Resp: 206130

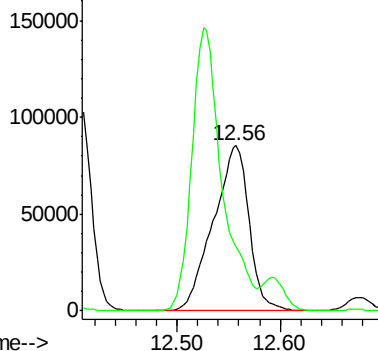
Ion Ratio Lower Upper

75 100

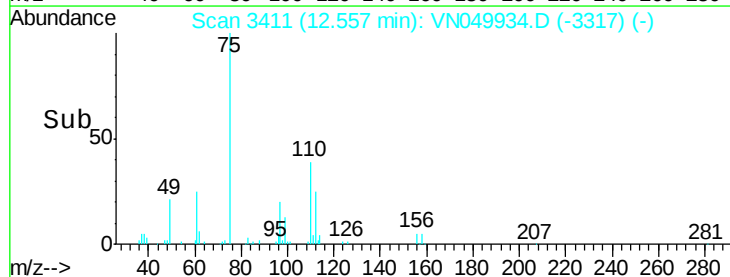
77 0.0 0.0 0.0

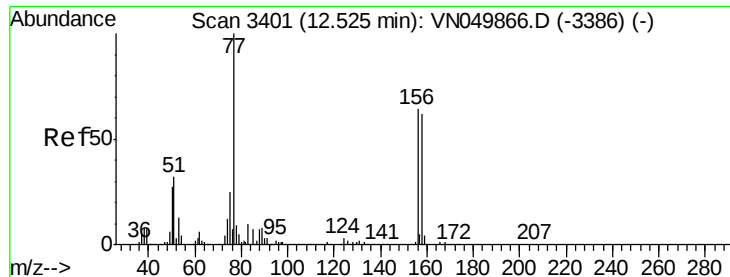


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

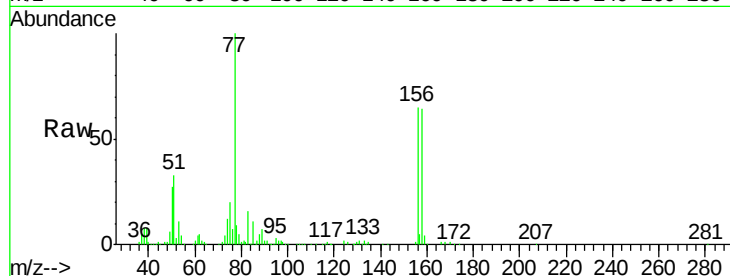
Tot Ion:156 Resp: 163334

Ion Ratio Lower Upper

156 100

77 184.0 90.2 270.6

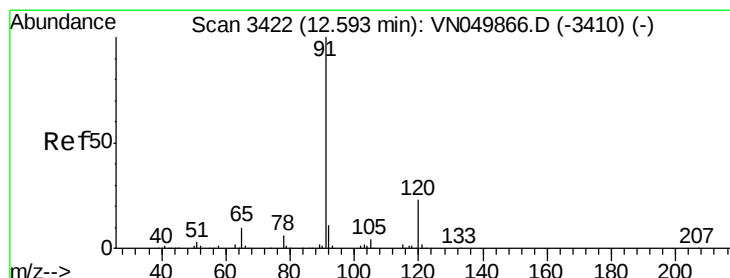
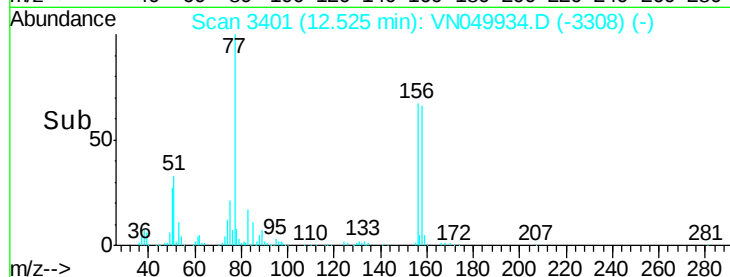
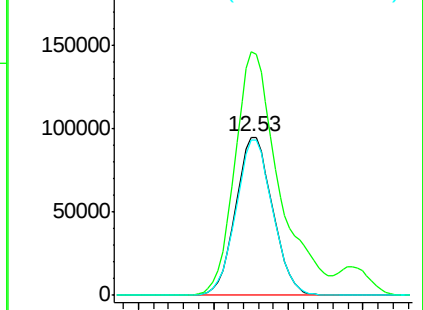
158 98.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049934.D

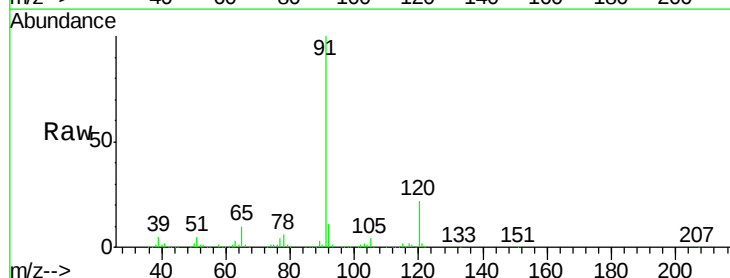
Acq: 19 Jul 2018 23:46

Tgt Ion: 91 Resp: 693335

Ion Ratio Lower Upper

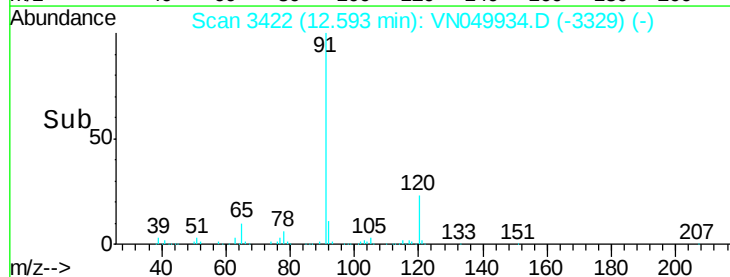
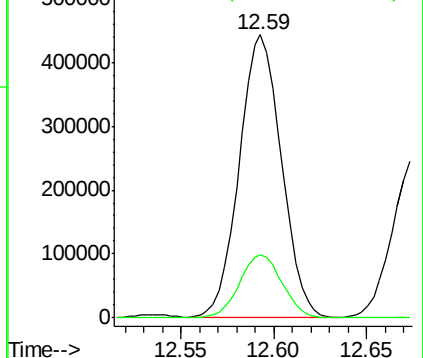
91 100

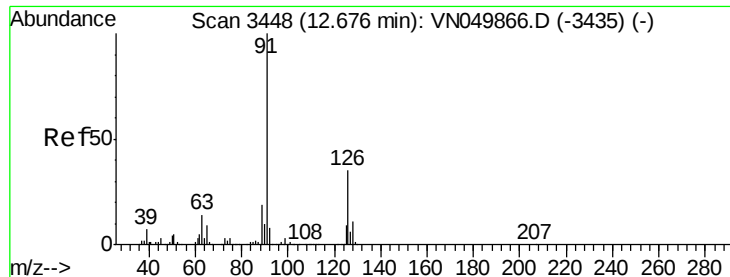
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.56 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

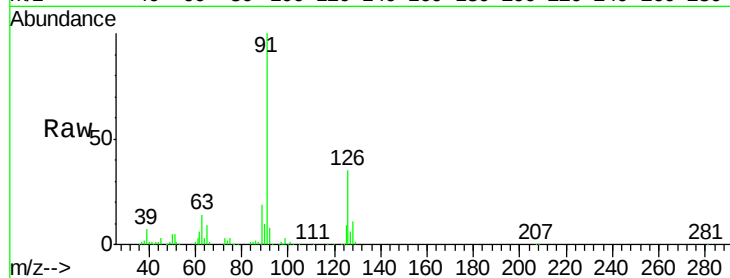
VN0719WBSD02

Tot Ion: 91 Resp: 428882

Ion Ratio Lower Upper

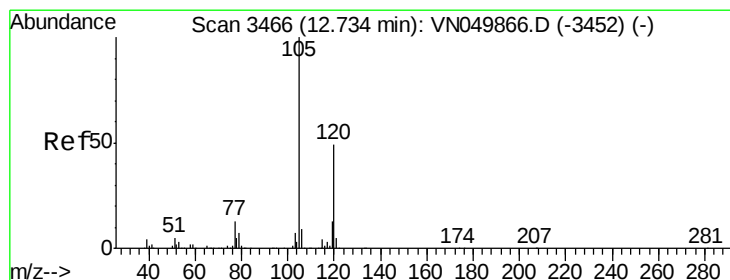
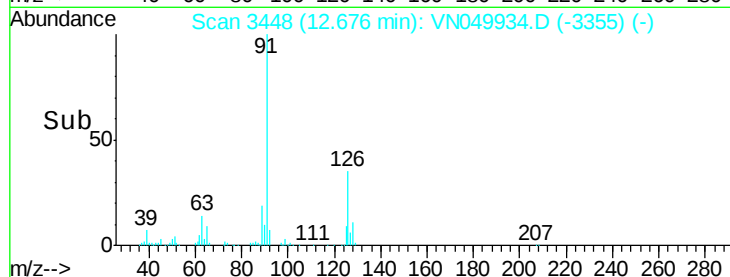
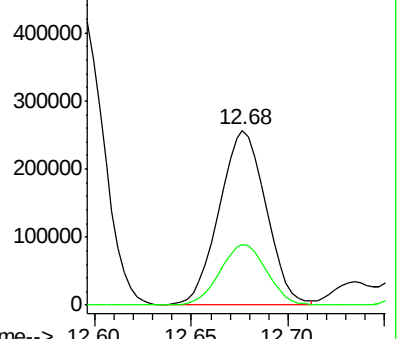
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049934.D

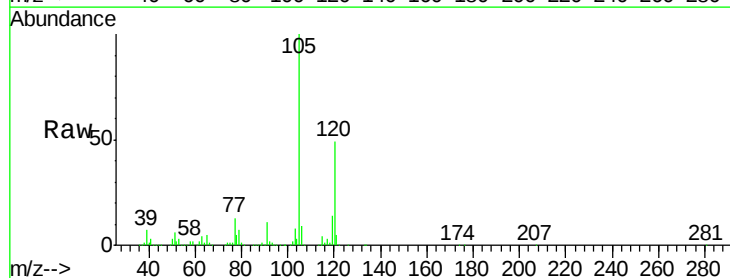
Acq: 19 Jul 2018 23:46

Tgt Ion:105 Resp: 501174

Ion Ratio Lower Upper

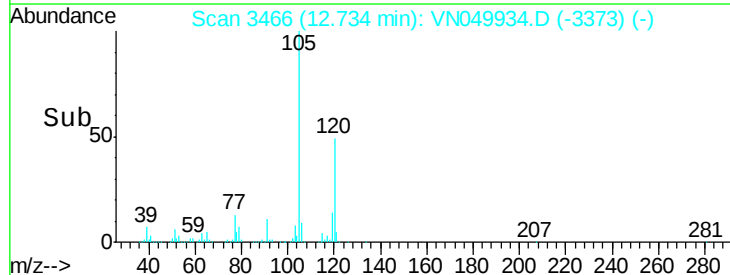
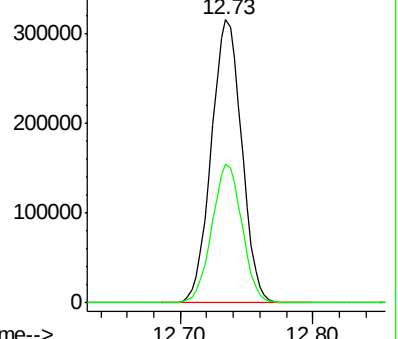
105 100

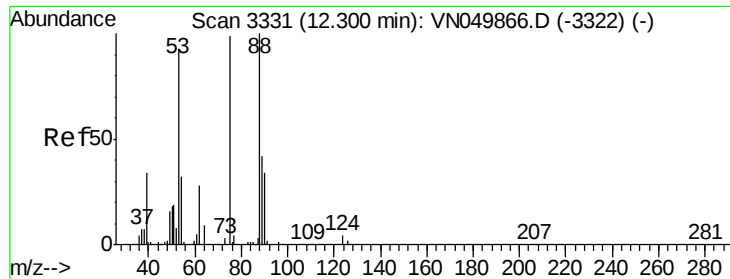
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

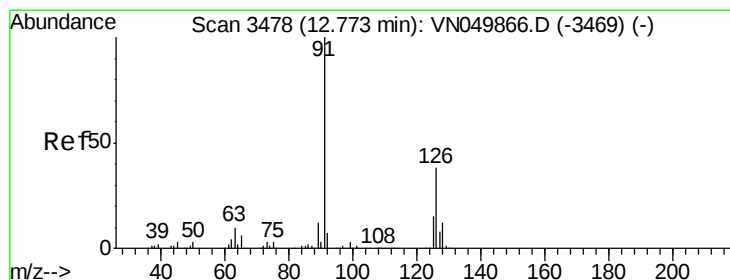
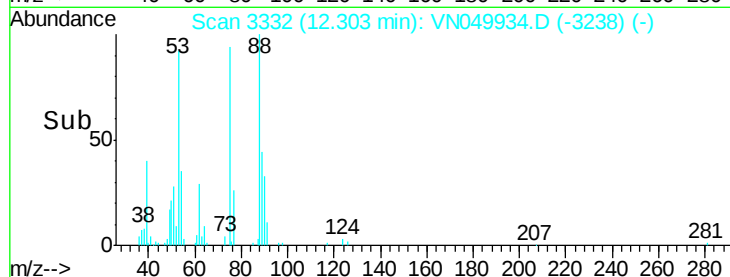
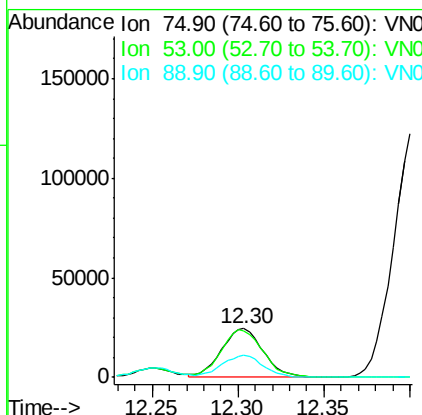
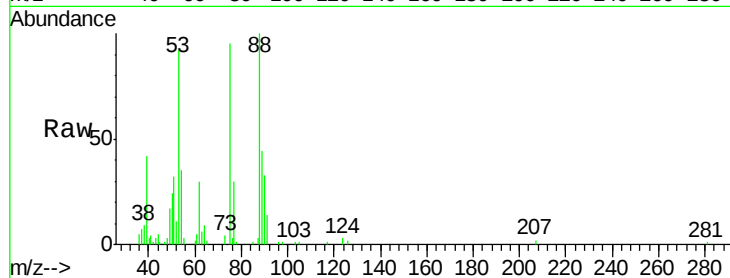




#81
trans-1,4-Dichloro-2-butene
Concen: 17.20 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

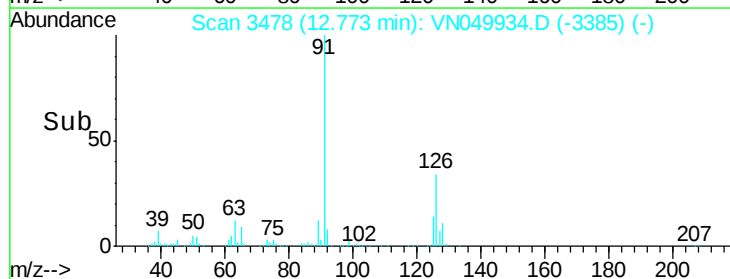
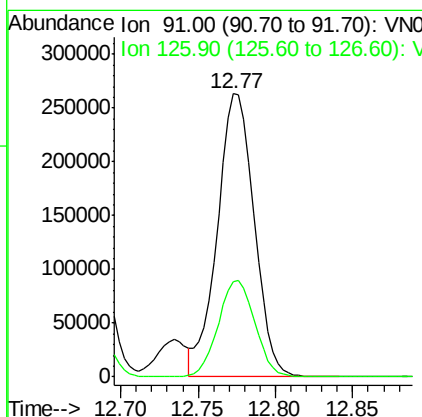
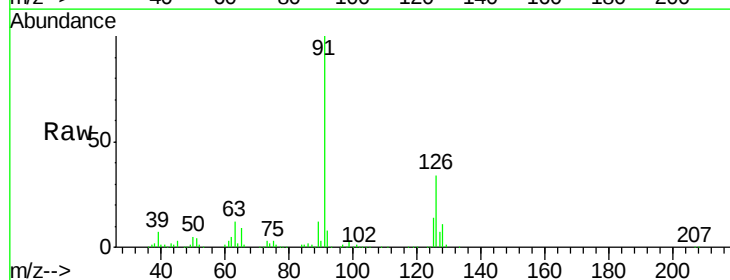
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD02

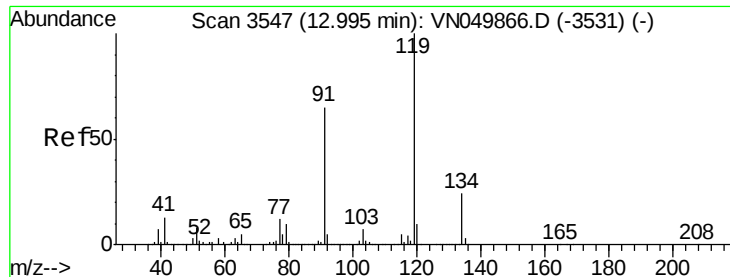
Tot Ion: 75 Resp: 40586
Ion Ratio Lower Upper
75 100
53 100.7 73.9 110.9
89 46.3 35.9 53.9



#82
4-Chlorotoluene
Concen: 20.78 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049934.D
Acq: 19 Jul 2018 23:46

Tgt Ion: 91 Resp: 434734
Ion Ratio Lower Upper
91 100
126 33.8 17.2 51.6

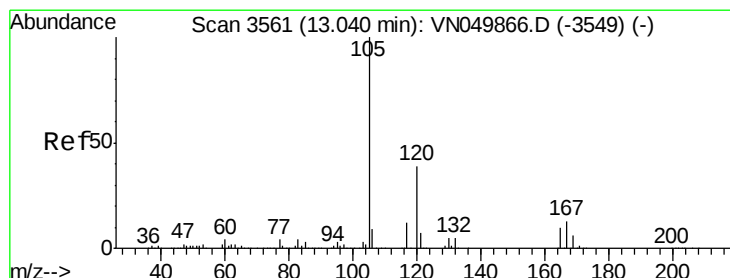
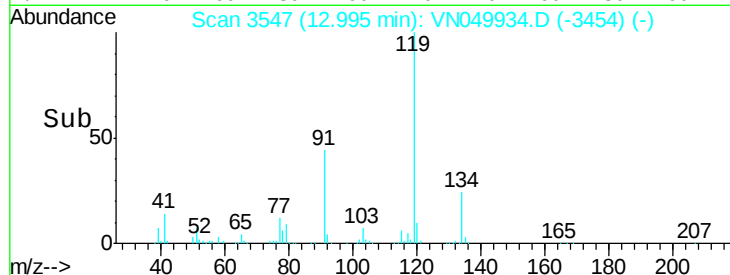
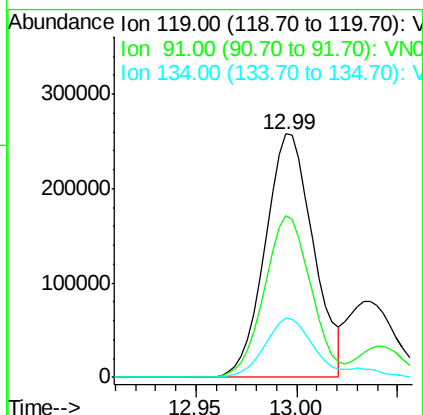
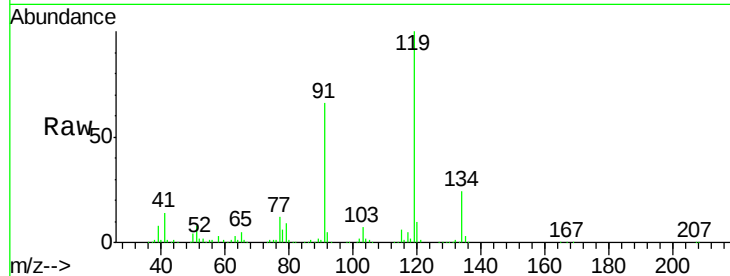




#83
 tert-Butylbenzene
 Concen: 20.35 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

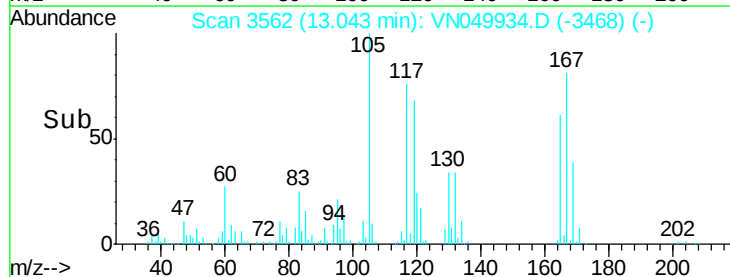
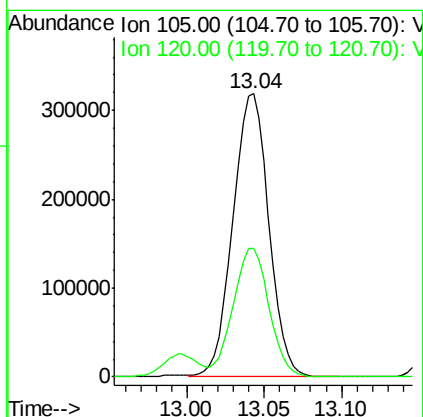
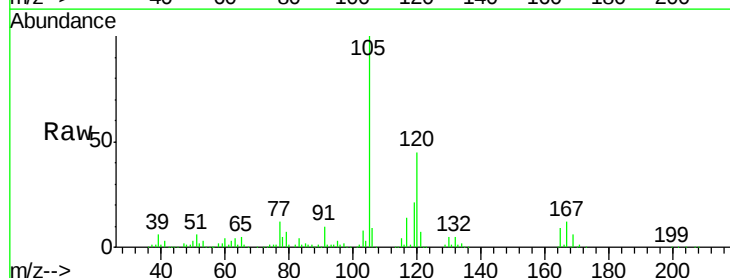
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

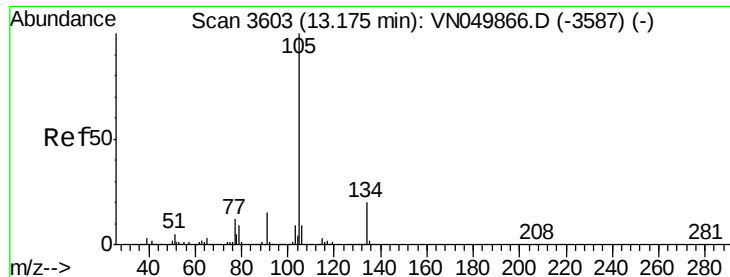
Tot Ion:119 Resp: 427916
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.0 96.2
 134 24.2 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.12 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion:105 Resp: 512322
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

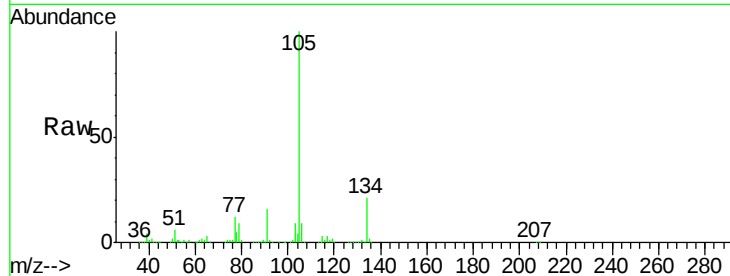
VN0719WBSD02

Tot Ion:105 Resp: 569059

Ion Ratio Lower Upper

105 100

134 20.4 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

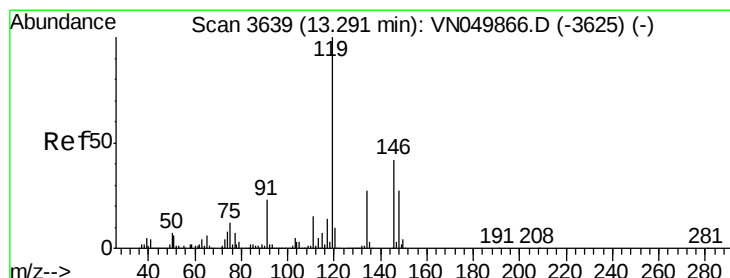
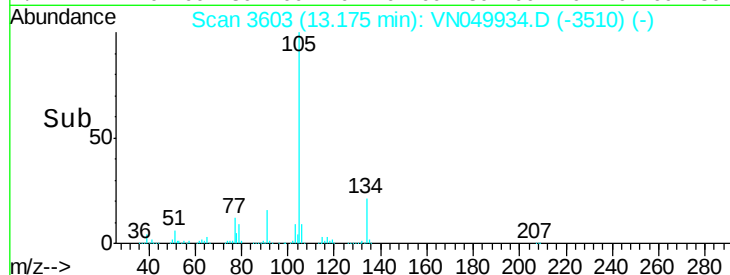
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

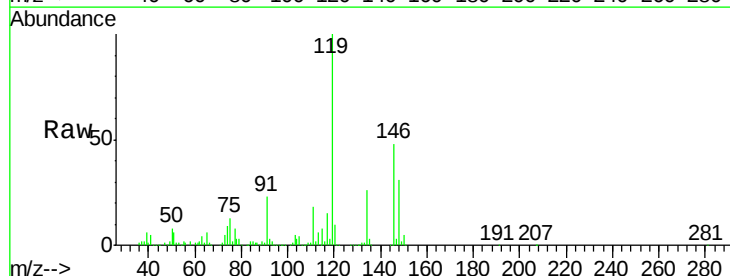
Tgt Ion:119 Resp: 488040

Ion Ratio Lower Upper

119 100

134 26.5 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

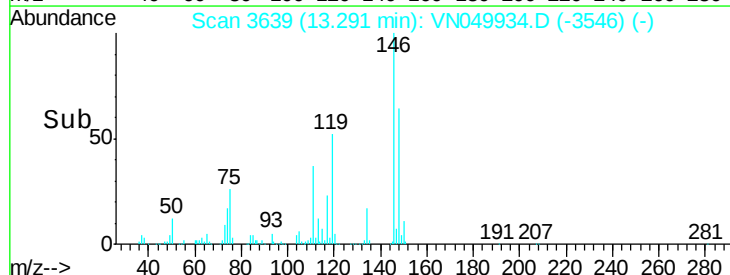
300000

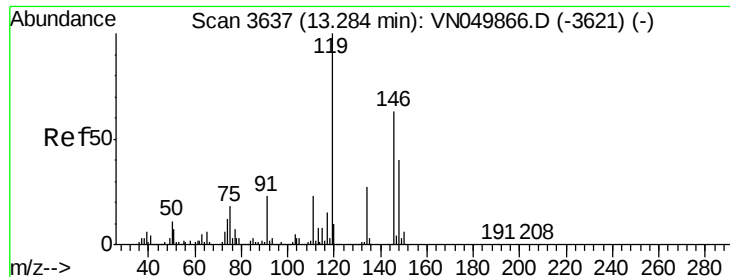
200000

100000

0

Time--> 13.25 13.30 13.35

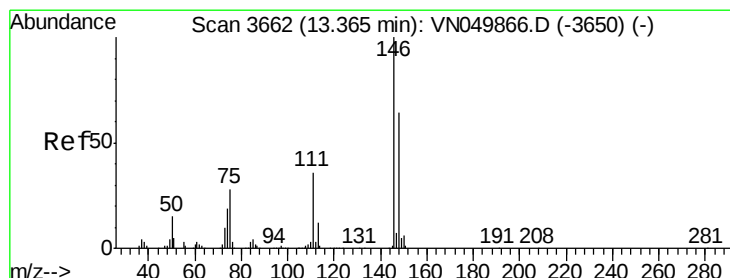
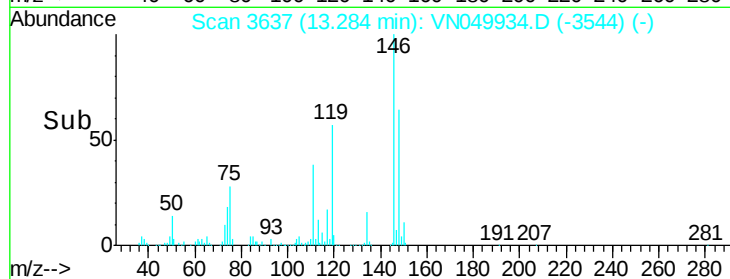
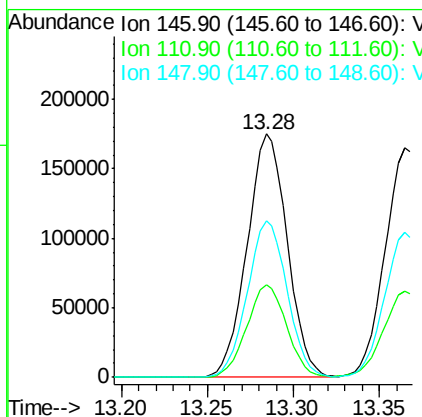
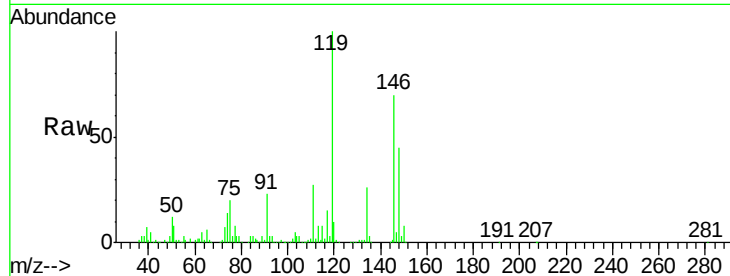




#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

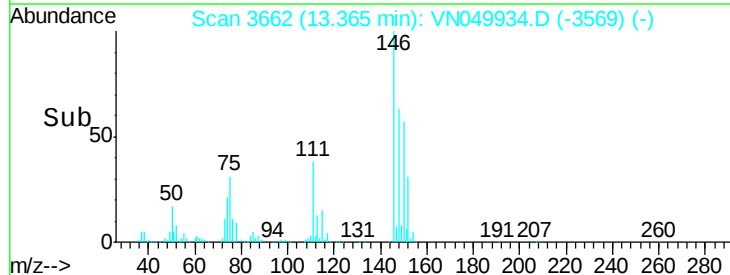
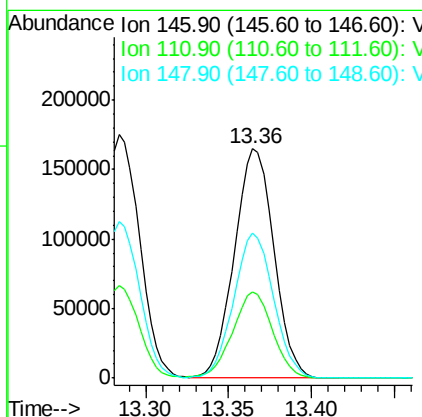
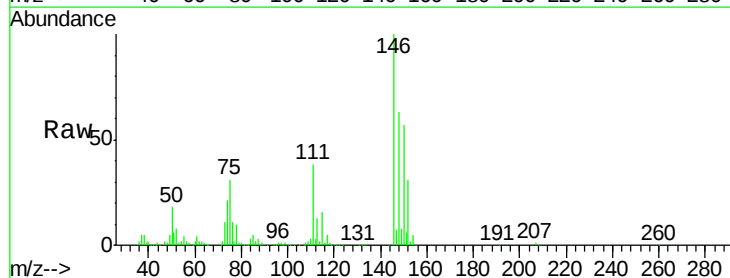
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

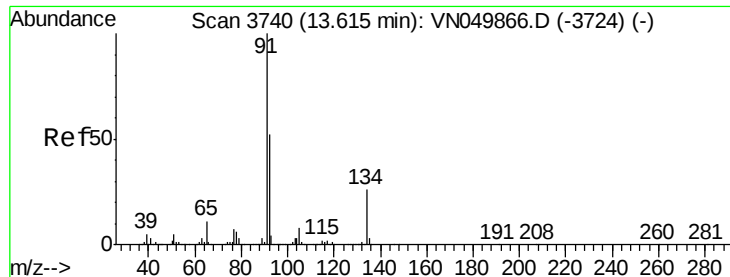
Tot Ion:146 Resp: 283218
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.0 57.0
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.02 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion:146 Resp: 274077
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 63.6 32.1 96.3





#89

n-Butylbenzene

Concen: 19.13 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

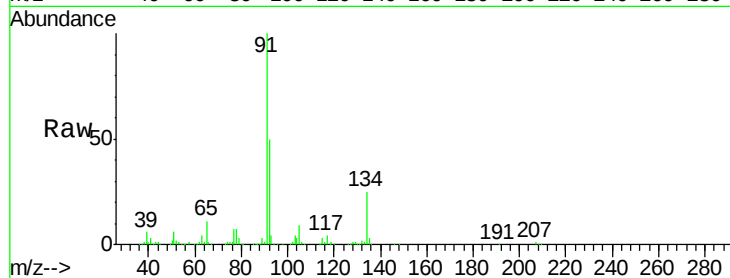
Tot Ion: 91 Resp: 374151

Ion Ratio Lower Upper

91 100

92 50.6 25.8 77.3

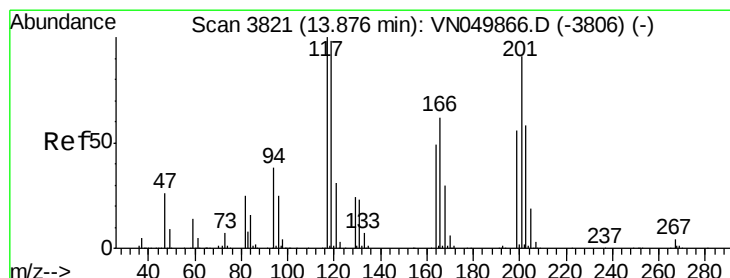
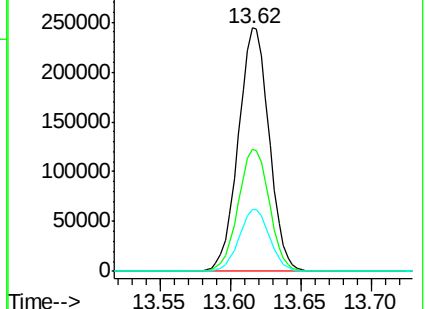
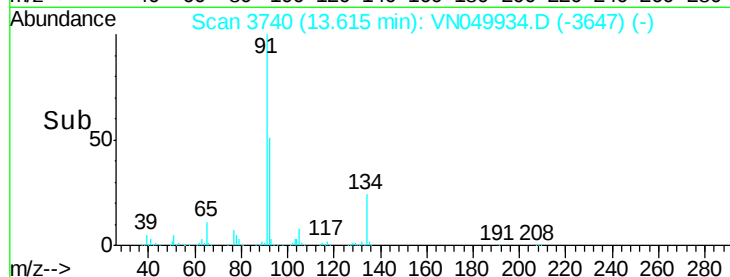
134 25.3 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049934.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049934.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049934.D (-3647) (-)



#90

Hexachloroethane

Concen: 18.55 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049934.D

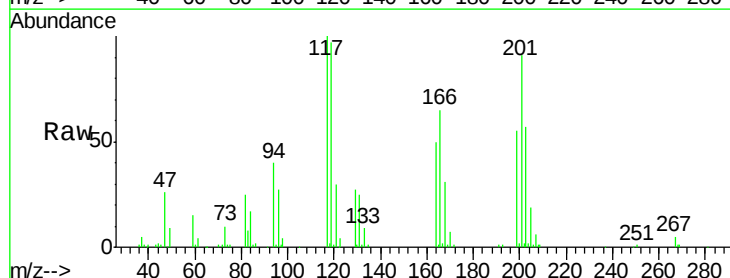
Acq: 19 Jul 2018 23:46

Tgt Ion: 117 Resp: 98625

Ion Ratio Lower Upper

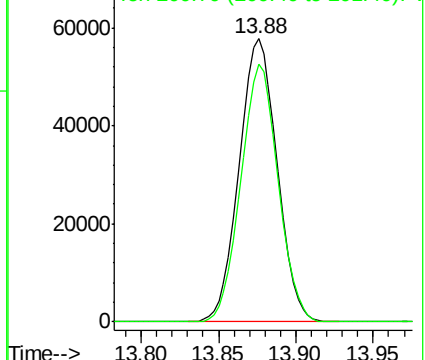
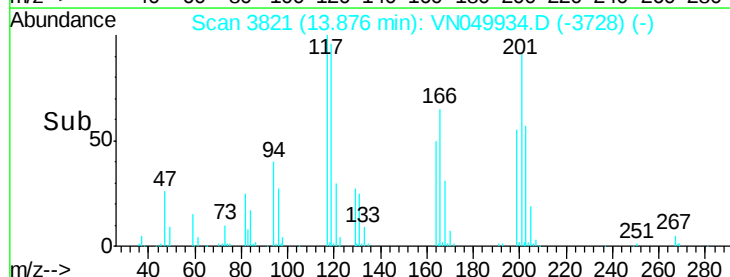
117 100

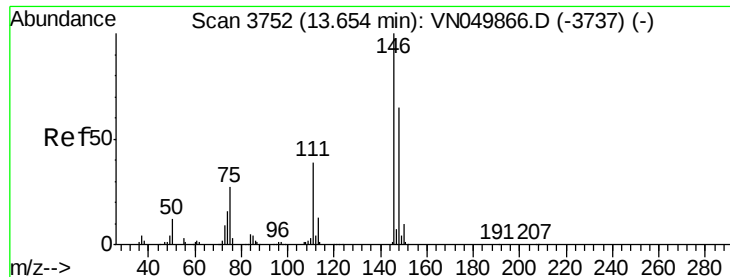
201 89.4 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049934.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049934.D (-3728) (-)

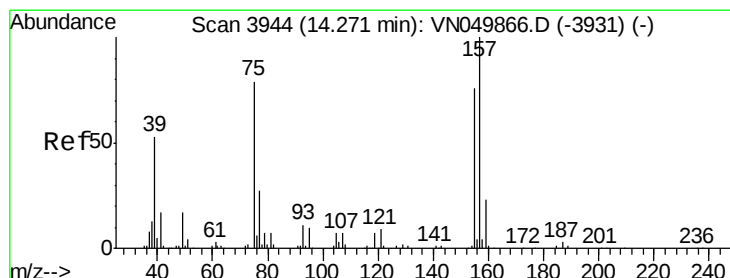
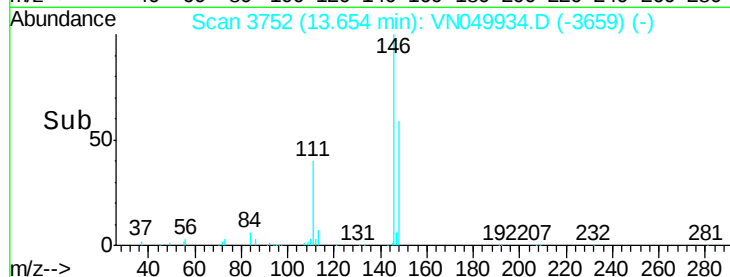
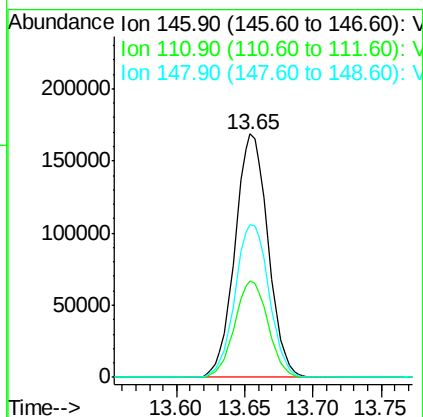
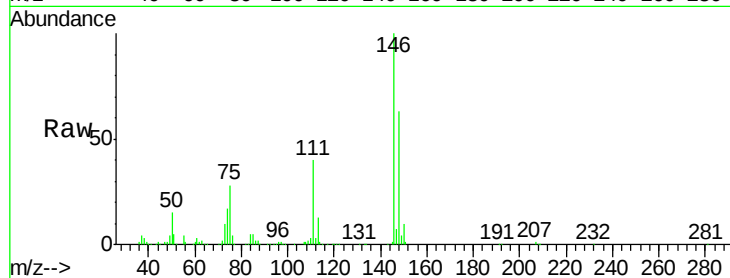




#91
 1,2-Dichlorobenzene
 Concen: 20.06 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

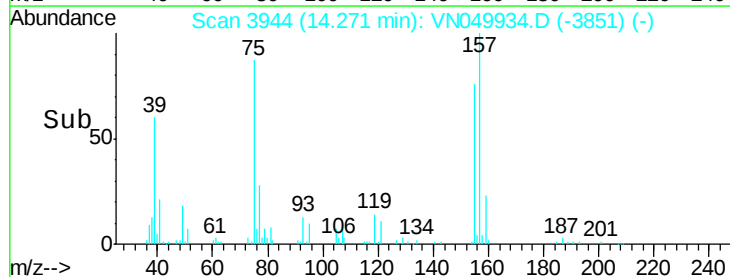
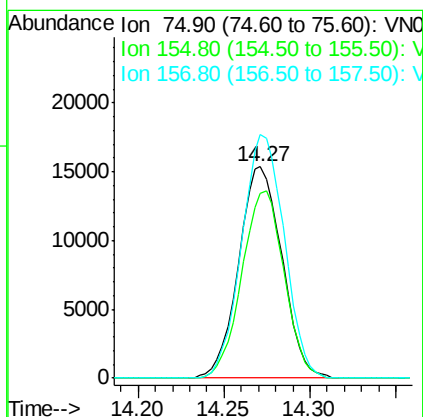
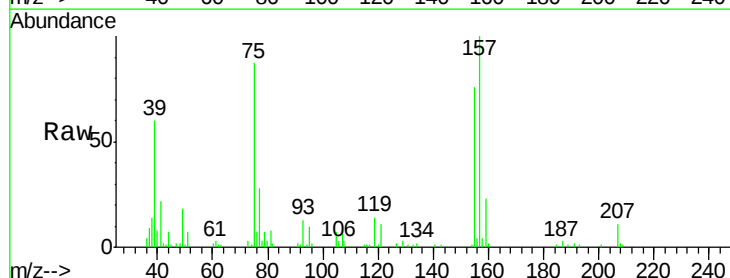
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD02

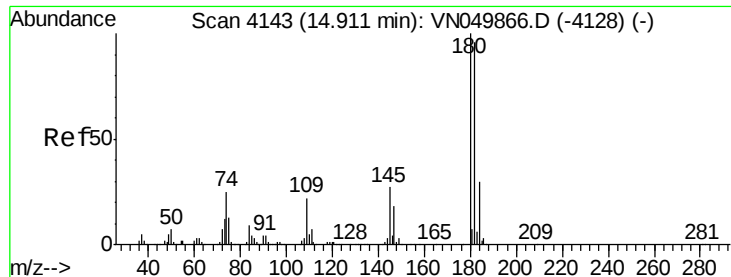
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.43 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049934.D
 Acq: 19 Jul 2018 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	45.7	137.1
157	113.3	56.9	170.7





#93

1,2,4-Trichlorobenzene

Concen: 18.50 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

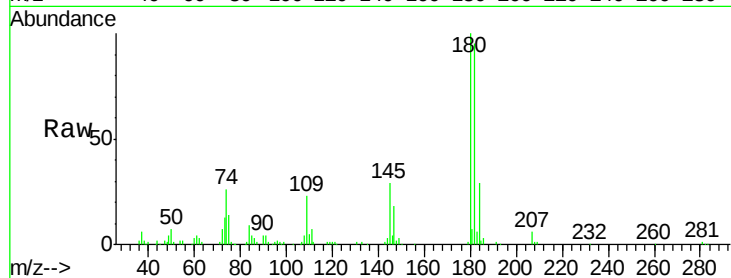
Tot Ion:180 Resp: 125868

Ion Ratio Lower Upper

180 100

182 95.1 47.3 141.9

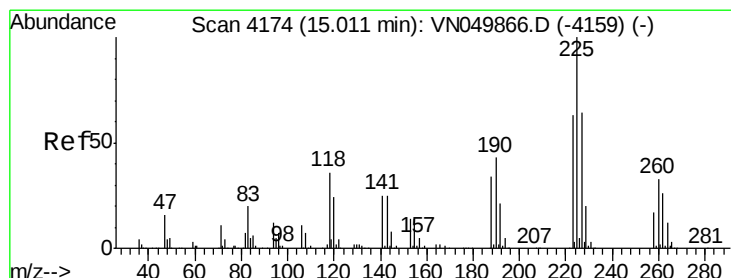
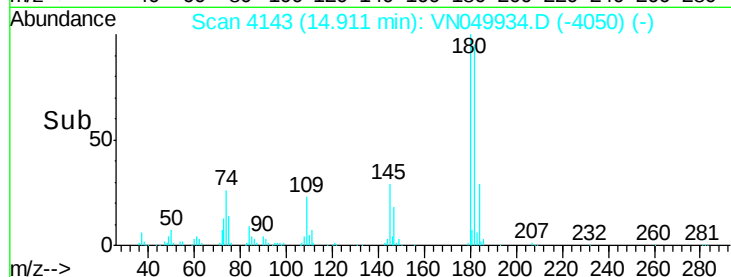
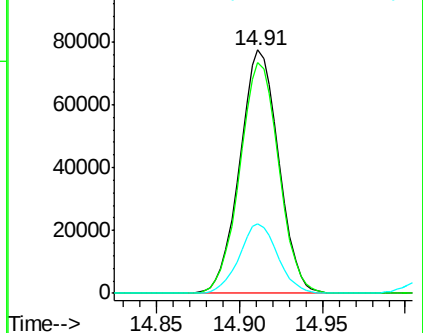
145 28.1 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.37 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

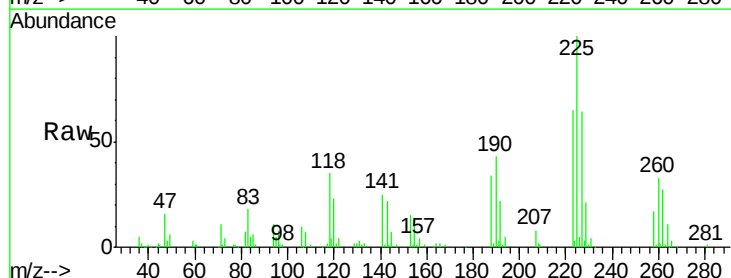
Tgt Ion:225 Resp: 85083

Ion Ratio Lower Upper

225 100

223 61.9 30.9 92.7

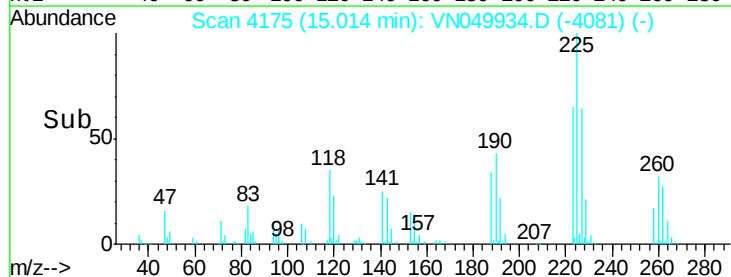
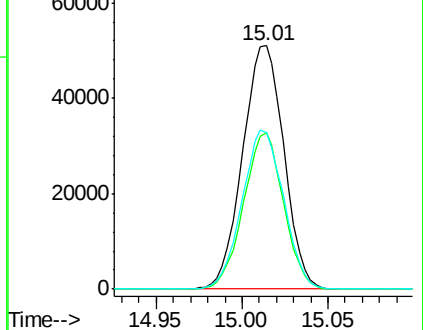
227 65.5 31.8 95.4

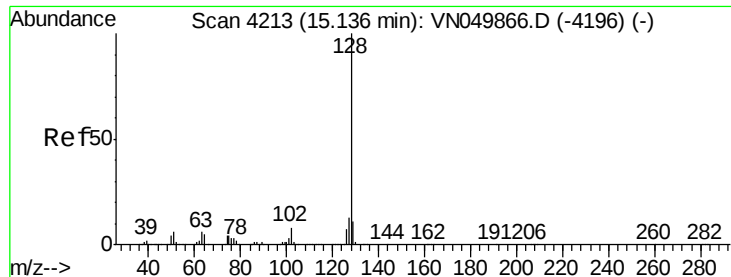


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.78 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD02

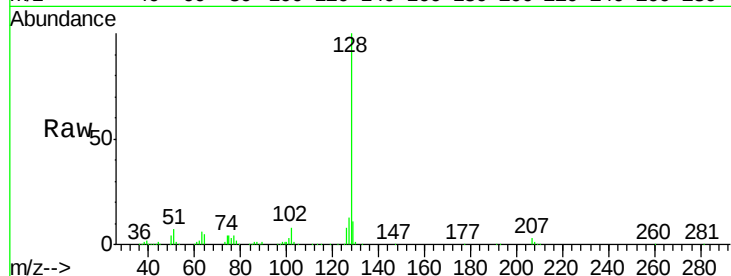
Tot Ion:128 Resp: 272048

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

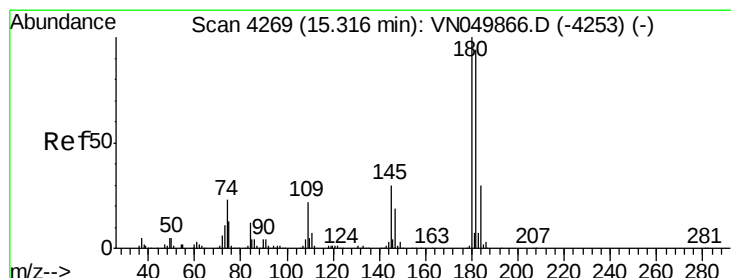
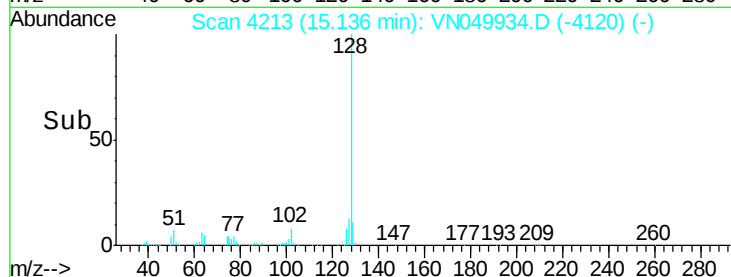
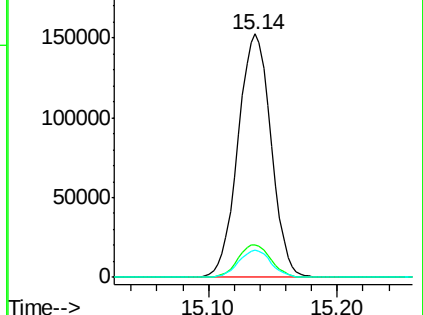
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.64 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049934.D

Acq: 19 Jul 2018 23:46

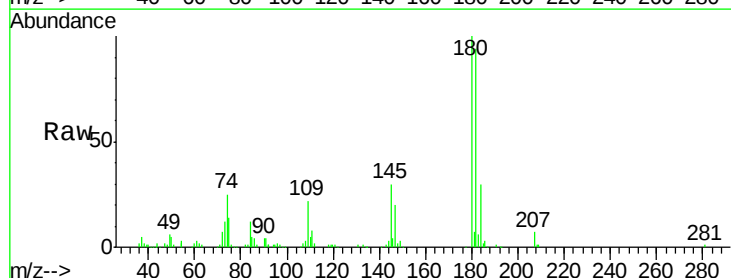
Tgt Ion:180 Resp: 133144

Ion Ratio Lower Upper

180 100

182 94.1 47.4 142.2

145 30.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

