

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049933.D
 Acq On : 19 Jul 2018 23:21
 Operator : MD\SY
 Sample : VN0719WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Quant Time: Jul 20 03:08:17 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	550072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406851	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.59	113	363260	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1307330	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	421095	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101025	19.26	ug/l	97
3) Chloromethane	2.06	50	144264	19.21	ug/l	99
4) Vinyl Chloride	2.18	62	150119	18.75	ug/l	100
5) Bromomethane	2.56	94	75812	15.62	ug/l	99
6) Chloroethane	2.70	64	97482	18.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	208296	18.92	ug/l	99
8) Diethyl Ether	3.41	74	75871	19.75	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126460	18.63	ug/l	100
10) Methyl Iodide	3.95	142	119143	13.08	ug/l	98
11) Tert butyl alcohol	4.80	59	23584	43.79	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	114567	19.21	ug/l	99
13) Acrolein	3.61	56	28479	82.05	ug/l	100
14) Allyl chloride	4.32	41	179078	19.05	ug/l	98
15) Acrylonitrile	5.00	53	236987	100.05	ug/l	99
16) Acetone	3.82	43	176263	90.05	ug/l	99
17) Carbon Disulfide	4.05	76	313306	17.56	ug/l	100
18) Methyl Acetate	4.33	43	144206	23.00	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	332689	20.27	ug/l	96
20) Methylene Chloride	4.55	84	147862	19.86	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	124711	19.69	ug/l	97
22) Diisopropyl ether	5.96	45	403452	21.03	ug/l	99
23) Vinyl Acetate	5.90	43	1362499	101.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	248361	20.17	ug/l	100
25) 2-Butanone	6.84	43	274271	98.04	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161980	16.90	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139589	20.09	ug/l	98
28) Bromochloromethane	7.20	49	118417	21.29	ug/l	98
29) Tetrahydrofuran	7.22	42	179811	102.03	ug/l	99
30) Chloroform	7.37	83	257758	20.39	ug/l	98
31) Cyclohexane	7.66	56	193386	19.29	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	215270	19.70	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175429	18.57	ug/l	99
37) Ethyl Acetate	6.94	43	123986	19.11	ug/l	99
38) Carbon Tetrachloride	7.77	117	188341	18.61	ug/l	99

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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)
39) Methylcyclohexane	9.08	83	168556	17.27	ug/l	95
40) Benzene	8.04	78	549804	19.09	ug/l	100
41) Methacrylonitrile	7.18	41	65355	20.09	ug/l	96
42) 1,2-Dichloroethane	8.13	62	187151	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	244212	21.54	ug/l	100
44) Trichloroethene	8.84	130	143942	19.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148708	19.14	ug/l	98
46) Dibromomethane	9.21	93	91158	18.92	ug/l	99
47) Bromodichloromethane	9.41	83	195344	19.60	ug/l	99
48) Methyl methacrylate	9.20	41	107248	18.86	ug/l	99
49) 1,4-Dioxane	9.20	88	29233	362.40	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	627767	99.07	ug/l	99
52) Toluene	10.16	92	337174	19.63	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	179689	18.24	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	206173	18.93	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	133323	18.79	ug/l	100
56) Ethyl methacrylate	10.43	69	158209	18.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219297	19.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	379307	91.12	ug/l	100
59) 2-Hexanone	10.75	43	409370	96.18	ug/l	97
60) Dibromochloromethane	10.90	129	146844	18.87	ug/l	100
61) 1,2-Dibromoethane	11.01	107	128427	19.37	ug/l	100
64) Tetrachloroethene	10.63	164	130628	19.42	ug/l	98
65) Chlorobenzene	11.44	112	365159	19.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	141686	19.45	ug/l	99
67) Ethyl Benzene	11.51	91	590911	19.37	ug/l	100
68) m/p-Xylenes	11.62	106	460488	39.87	ug/l	99
69) o-Xylene	11.95	106	217417	19.60	ug/l	100
70) Styrene	11.97	104	364097	20.26	ug/l	100
71) Bromoform	12.13	173	100791	19.34	ug/l #	100
73) Isopropylbenzene	12.25	105	586954	20.23	ug/l	99
74) N-amyl acetate	12.07	43	171880	19.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171543	19.73	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	199626	27.86	ug/l #	100
77) Bromobenzene	12.53	156	157469	19.65	ug/l	98
78) n-propylbenzene	12.59	91	666205	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	412776	20.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483815	20.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41201	17.98	ug/l	98
82) 4-Chlorotoluene	12.78	91	408066	20.08	ug/l	99
83) tert-Butylbenzene	12.99	119	414188	20.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	496155	21.06	ug/l	98
85) sec-Butylbenzene	13.17	105	552093	20.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	461862	20.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271929	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263184	18.80	ug/l	99
89) n-Butylbenzene	13.62	91	352520	18.56	ug/l	99
90) Hexachloroethane	13.88	117	96422	18.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	272166	19.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26602	19.81	ug/l	95

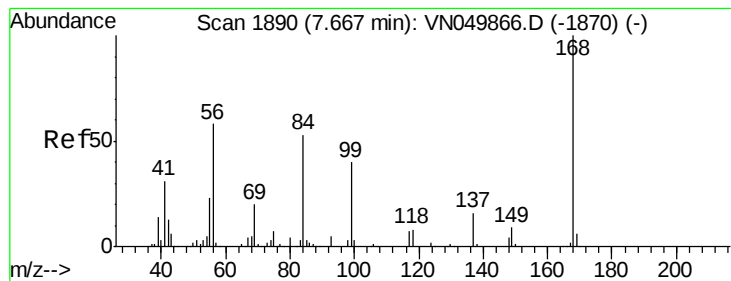
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116240	17.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	82515	18.35	ug/l	99
95) Naphthalene	15.14	128	247226	16.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	122036	18.53	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

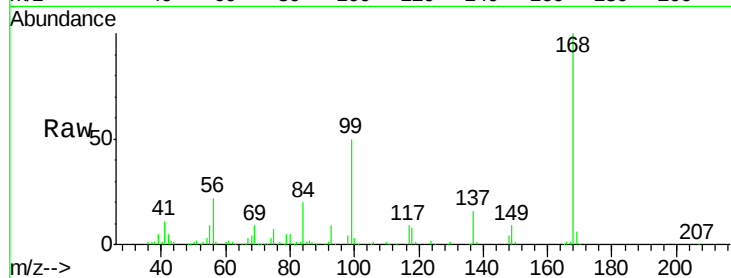
VN0719WBS02

Tot Ion:168 Resp: 550072

Ion Ratio Lower Upper

168 100

99 49.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

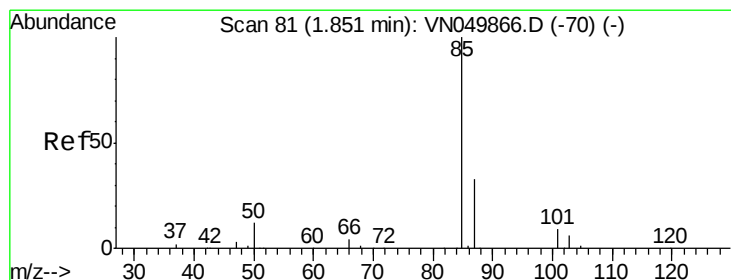
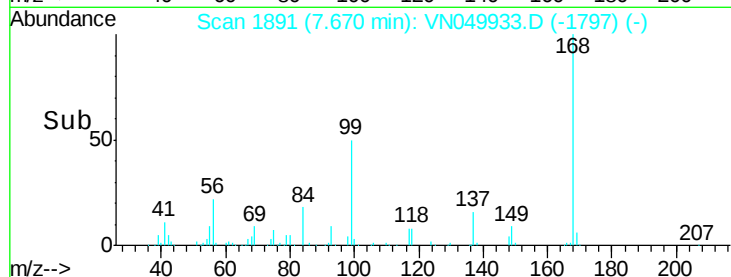
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.26 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049933.D

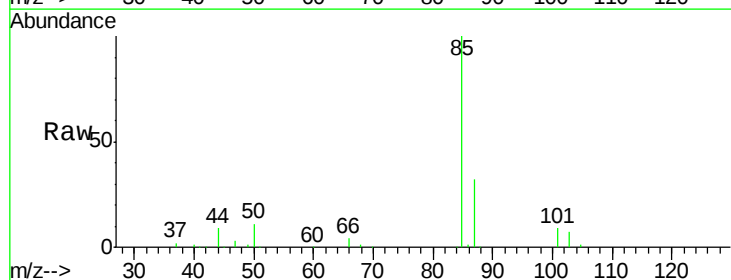
Acq: 19 Jul 2018 23:21

Tgt Ion: 85 Resp: 101025

Ion Ratio Lower Upper

85 100

87 32.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

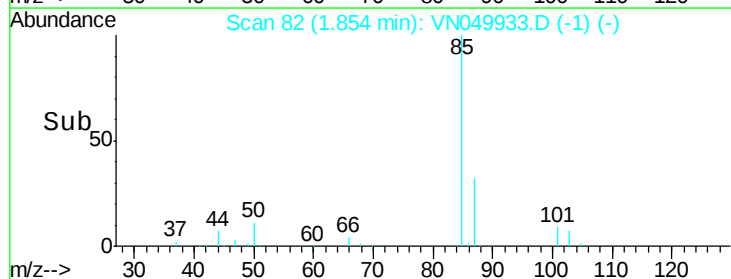
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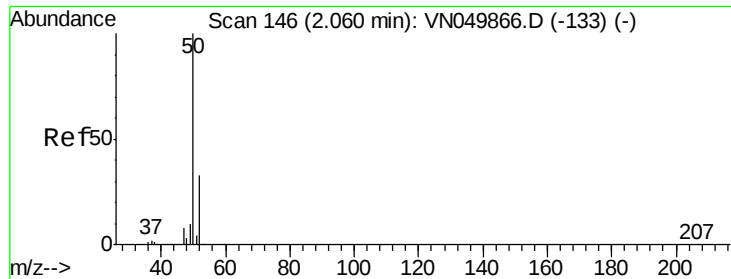
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

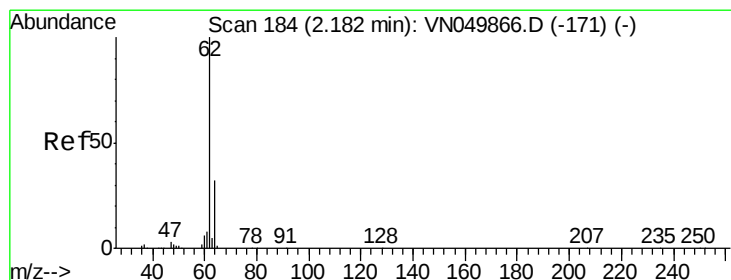
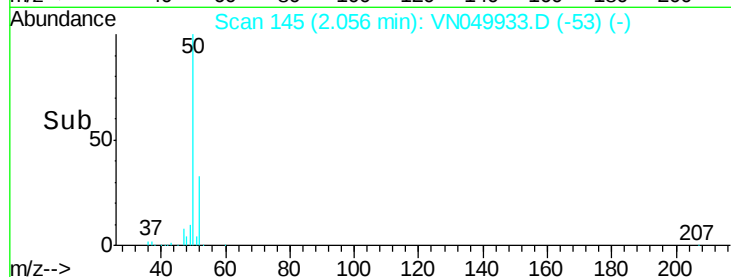
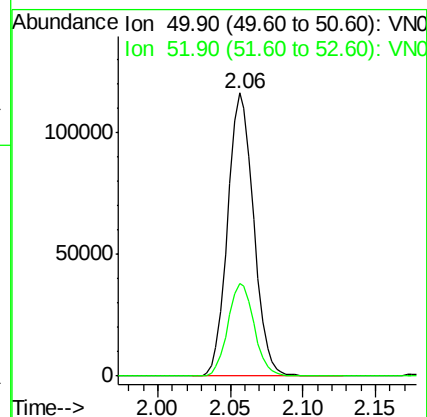
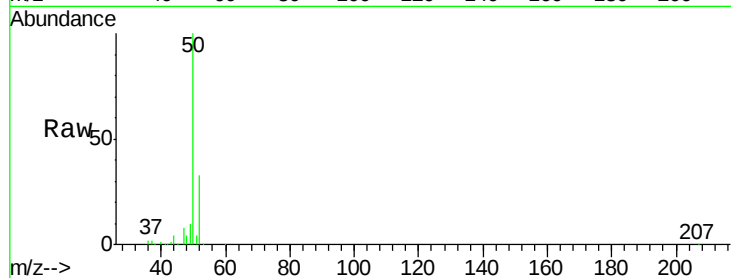
VN0719WBS02

Tot Ion: 50 Resp: 144264

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



#4

Vinyl Chloride

Concen: 18.75 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049933.D

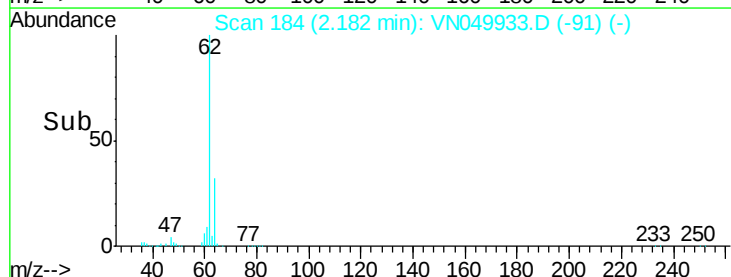
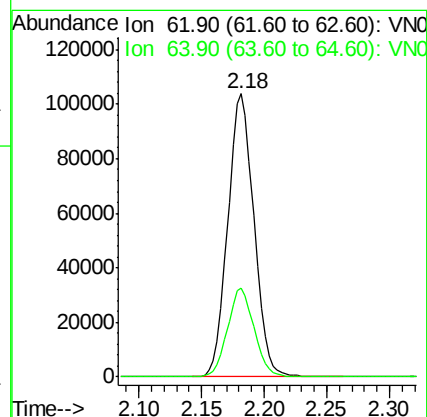
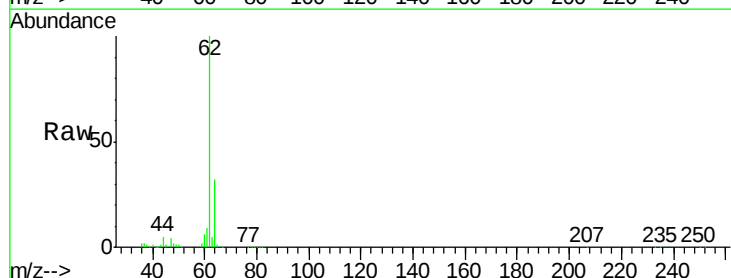
Acq: 19 Jul 2018 23:21

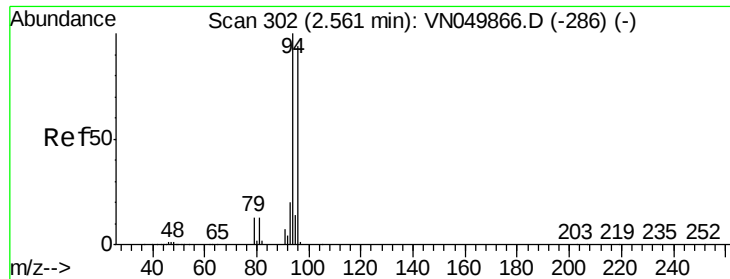
Tgt Ion: 62 Resp: 150119

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 15.62 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

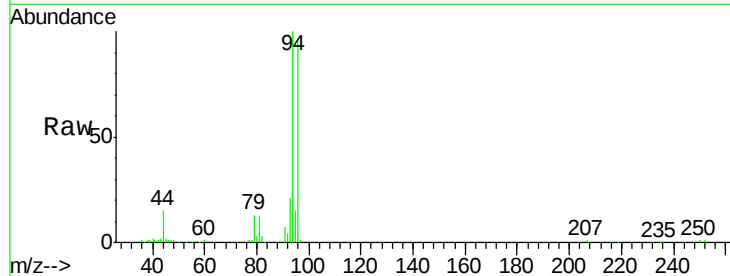
VN0719WBS02

Tot Ion: 94 Resp: 75812

Ion Ratio Lower Upper

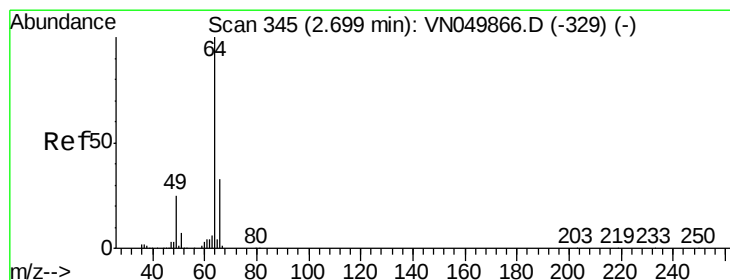
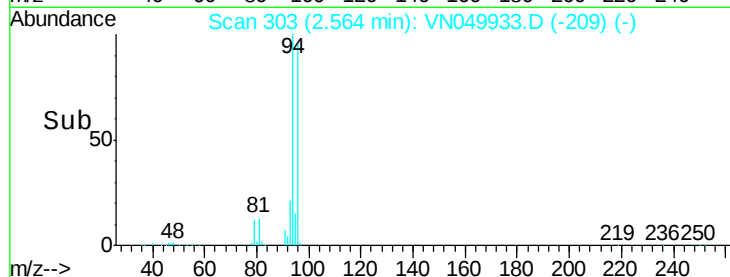
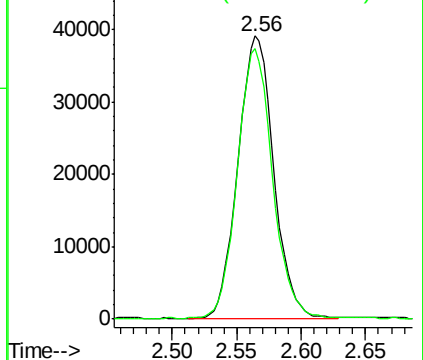
94 100

96 95.2 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: 18.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049933.D

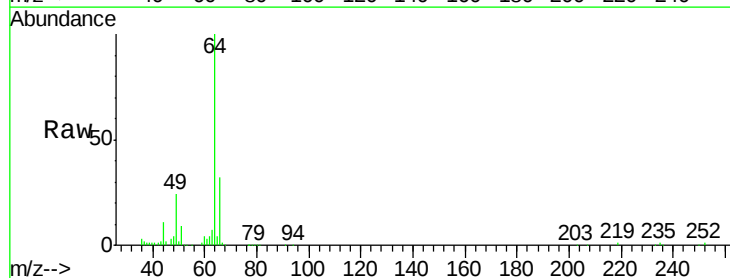
Acq: 19 Jul 2018 23:21

Tgt Ion: 64 Resp: 97482

Ion Ratio Lower Upper

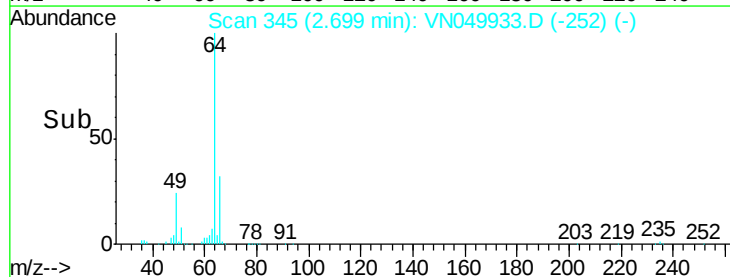
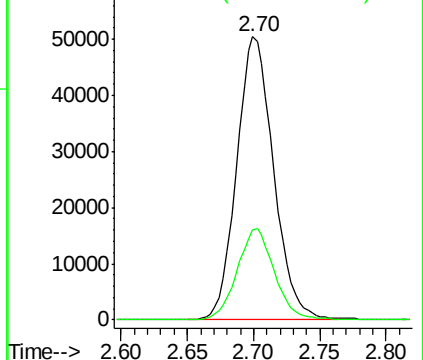
64 100

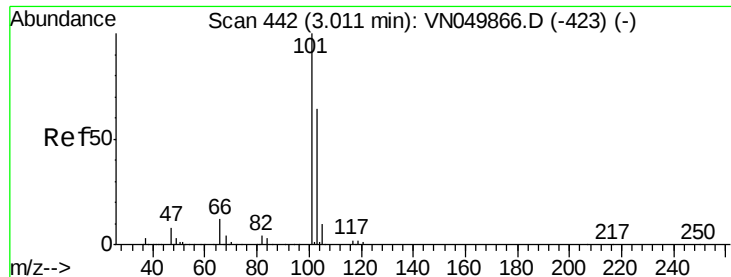
66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



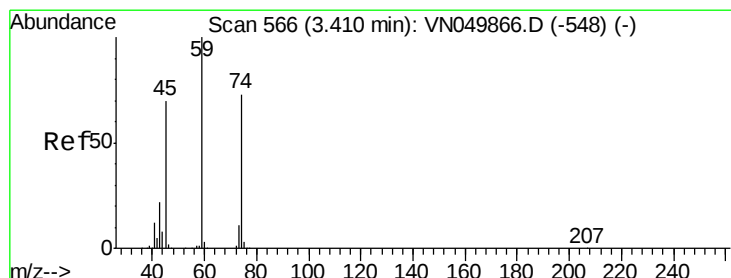
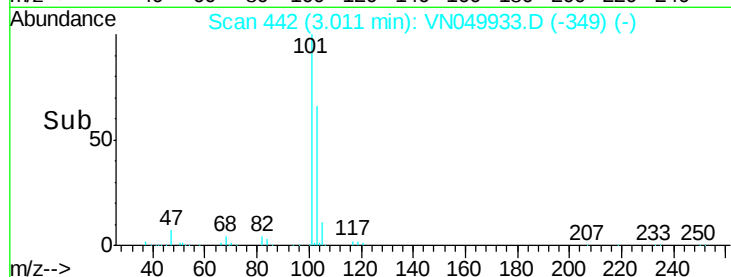
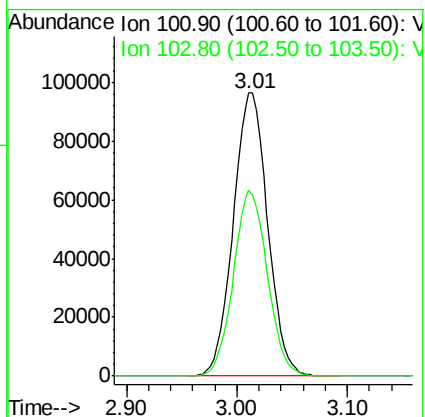
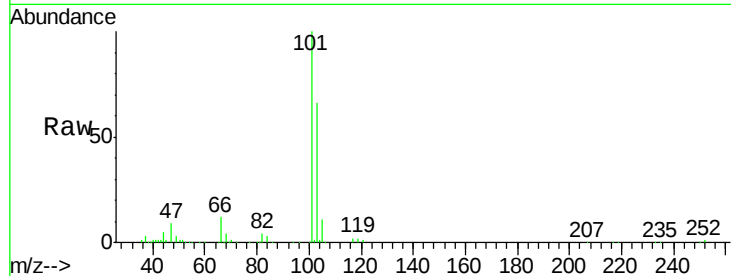


#7

Trichlorofluoromethane
 Concen: 18.92 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

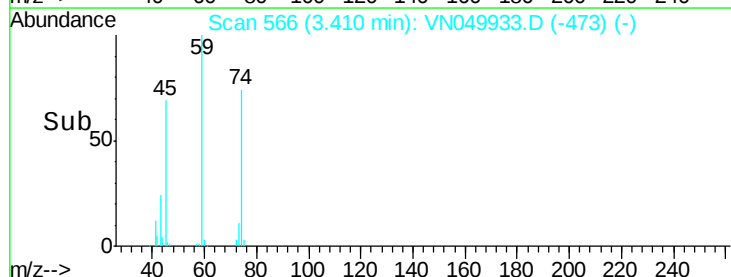
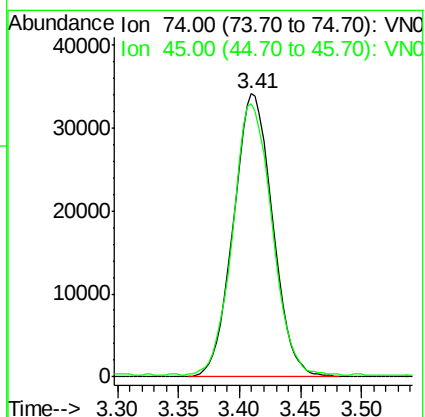
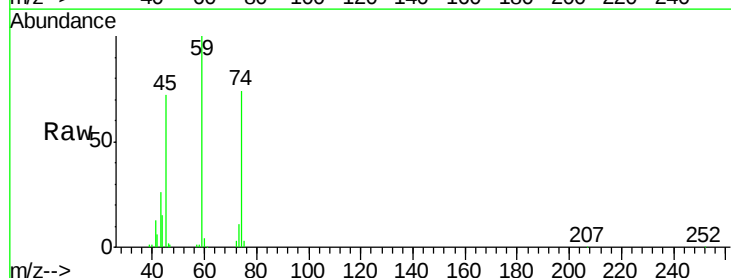
Tot Ion:101 Resp: 208296
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.8 79.2

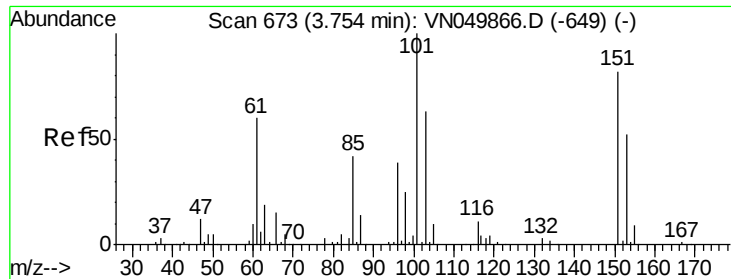


#8

Diethyl Ether
 Concen: 19.75 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 74 Resp: 75871
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.63 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

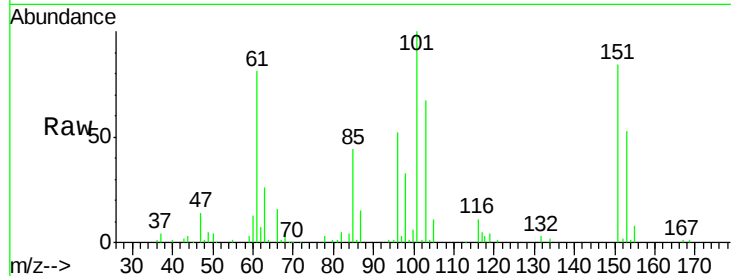
Tot Ion:101 Resp: 126460

Ion Ratio Lower Upper

101 100

85 42.9 34.4 51.6

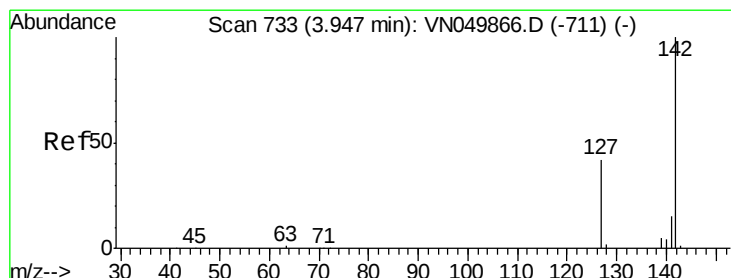
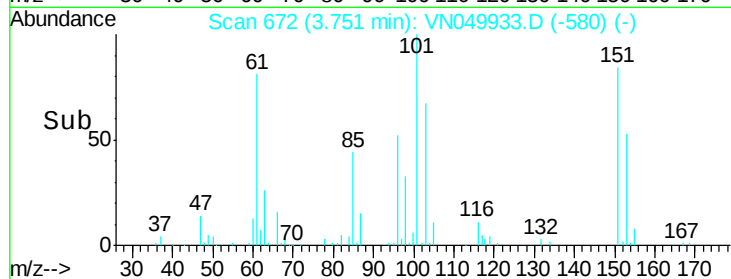
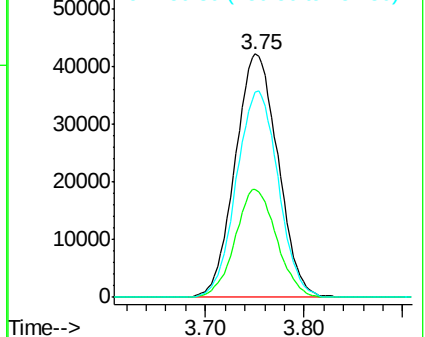
151 82.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.08 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

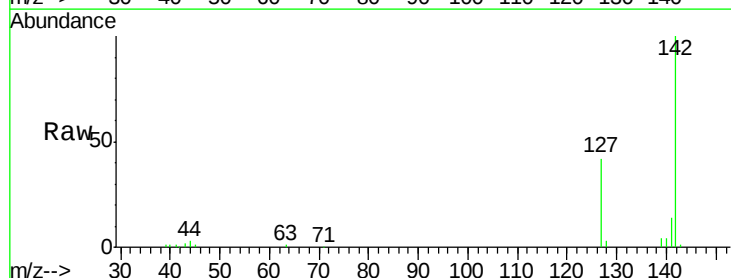
Tgt Ion:142 Resp: 119143

Ion Ratio Lower Upper

142 100

127 42.1 32.5 48.7

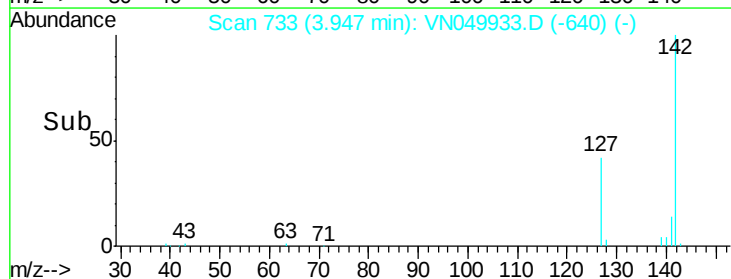
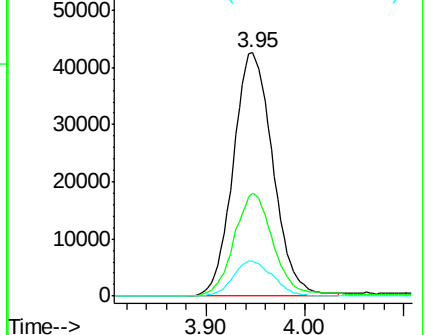
141 14.3 11.1 16.7

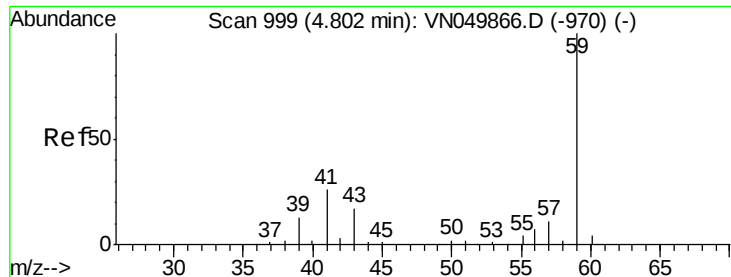


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

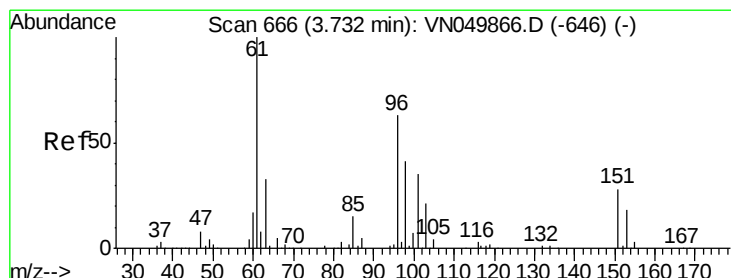
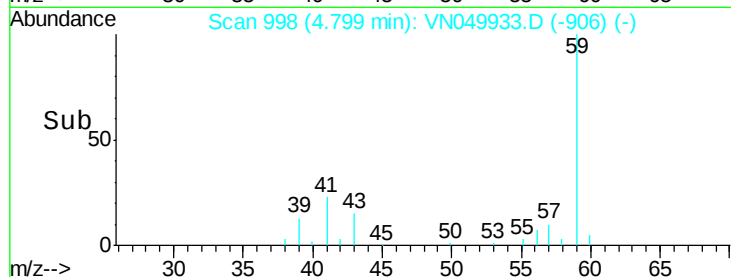
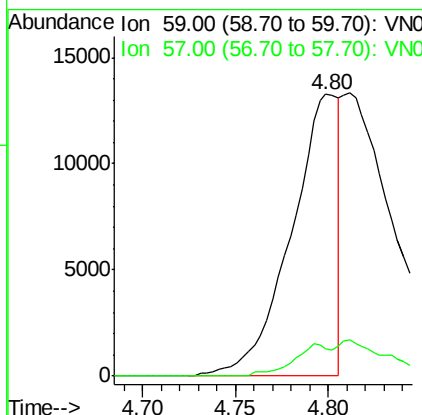
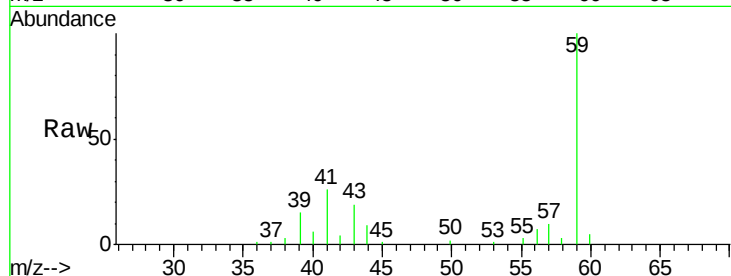




#11
Tert butyl alcohol
Concen: 43.79 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

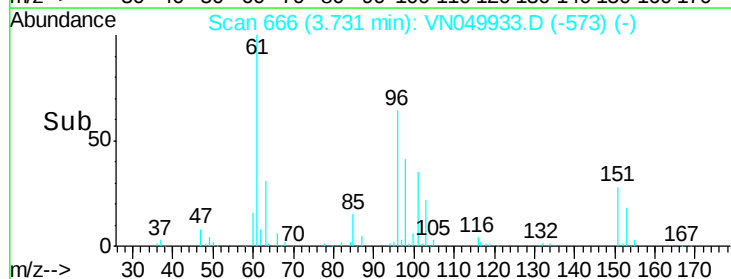
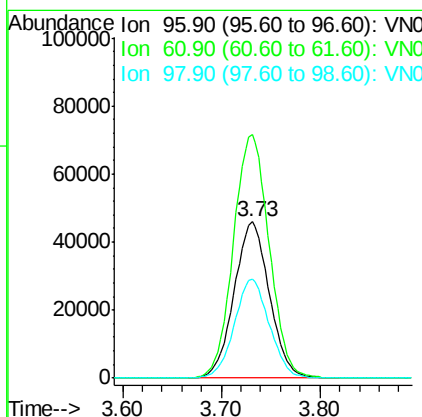
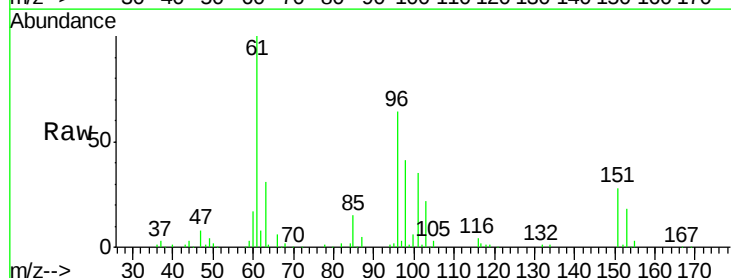
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

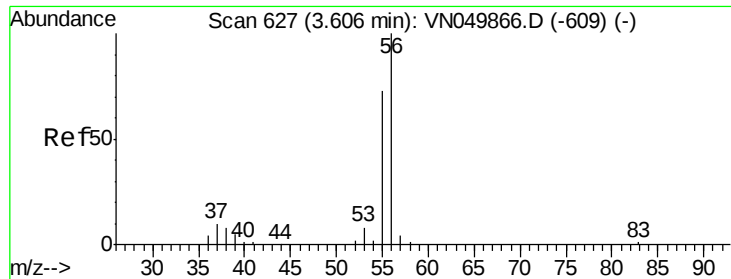
Tot Ion: 59 Resp: 23584
Ion Ratio Lower Upper
59 100
57 13.8 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 19.21 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 96 Resp: 114567
Ion Ratio Lower Upper
96 100
61 156.1 126.5 189.7
98 63.5 51.0 76.6





#13

Acrolein

Concen: 82.05 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

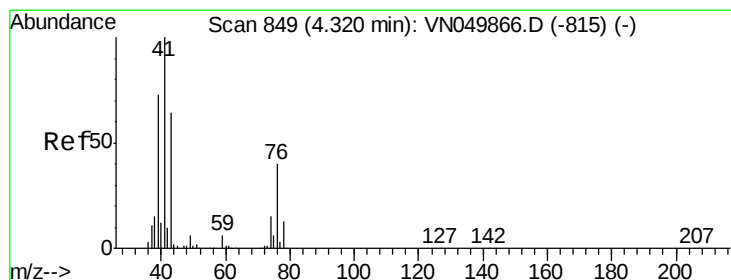
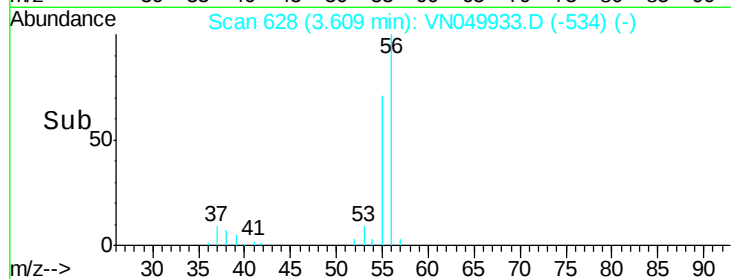
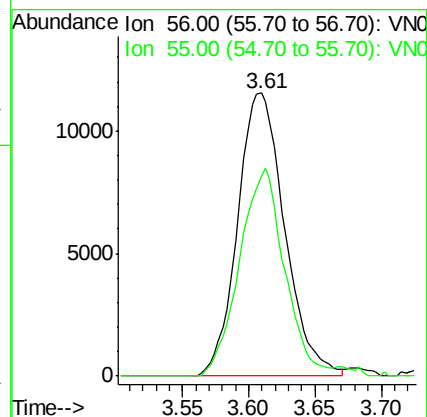
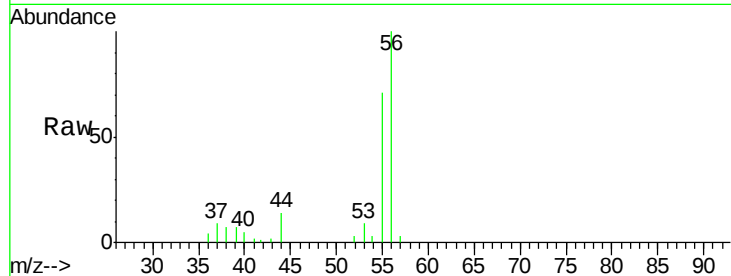
VN0719WBS02

Tot Ion: 56 Resp: 28479

Ion Ratio Lower Upper

56 100

55 69.9 55.8 83.8



#14

Allyl chloride

Concen: 19.05 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

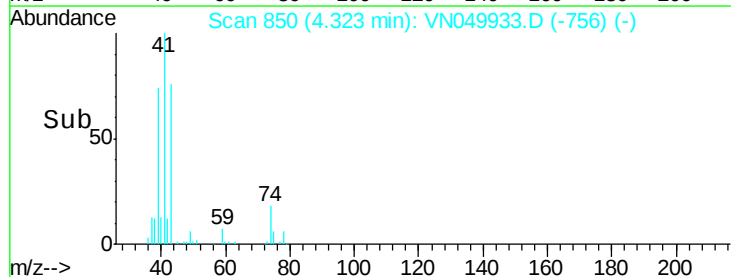
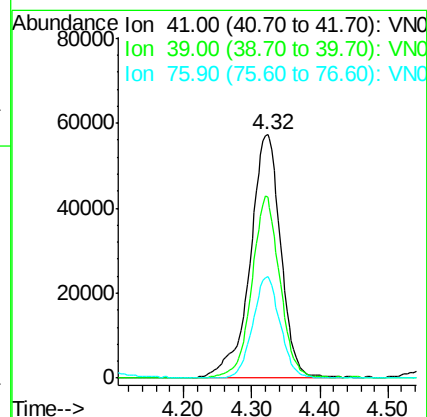
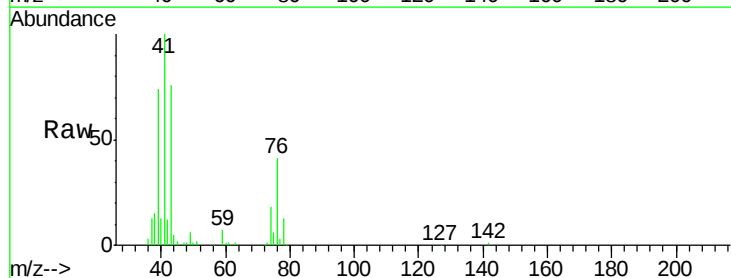
Tgt Ion: 41 Resp: 179078

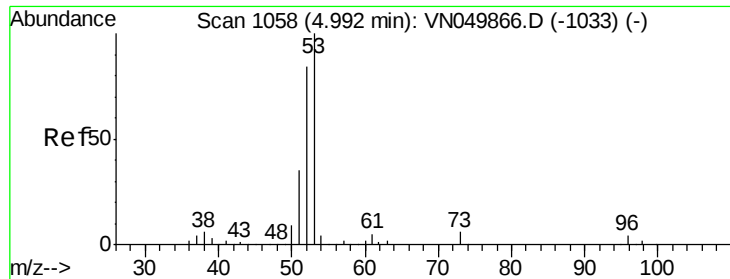
Ion Ratio Lower Upper

41 100

39 67.9 53.2 79.8

76 37.0 29.0 43.6

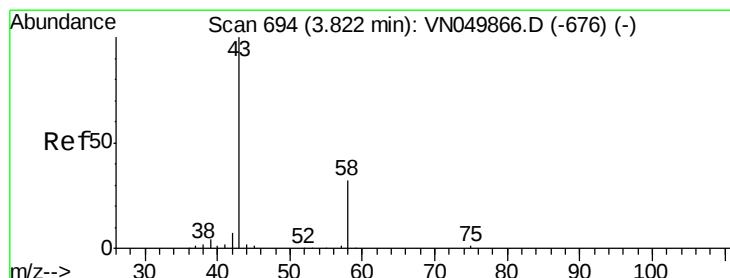
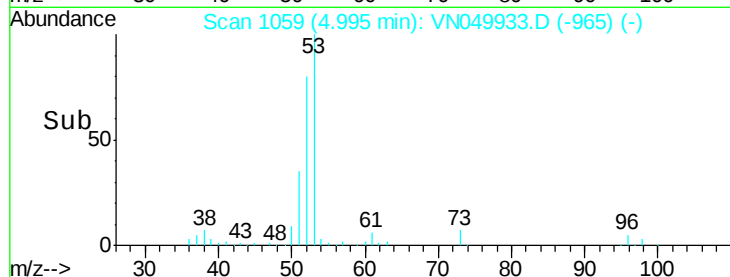
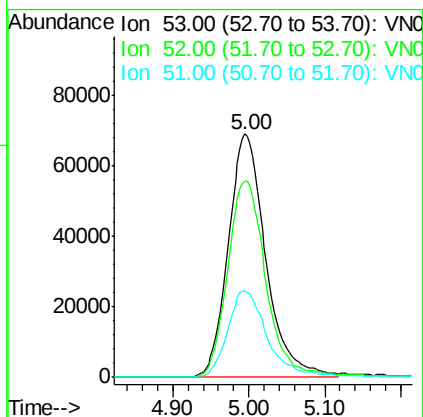
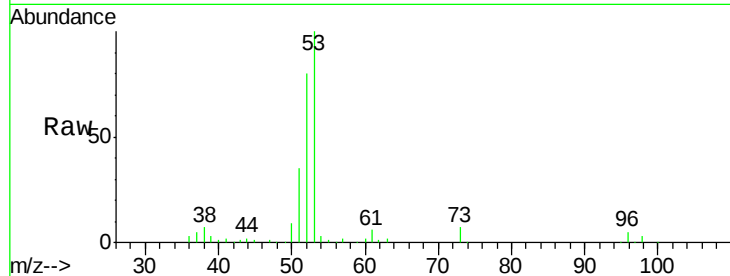




#15
 Acrylonitrile
 Concen: 100.05 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

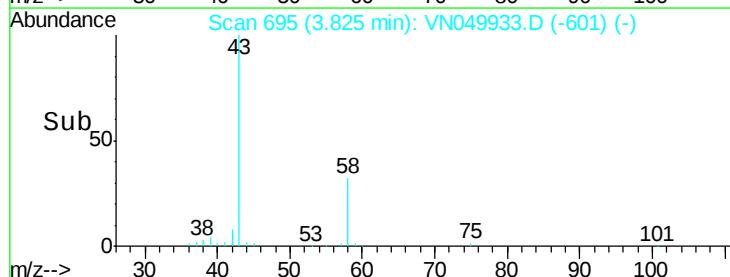
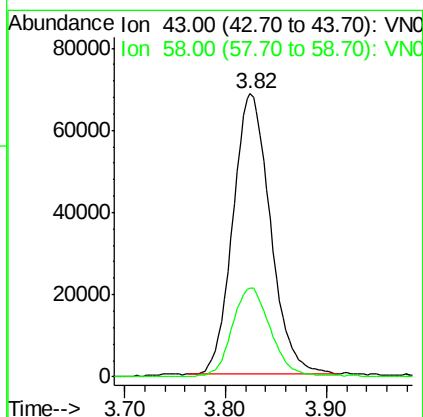
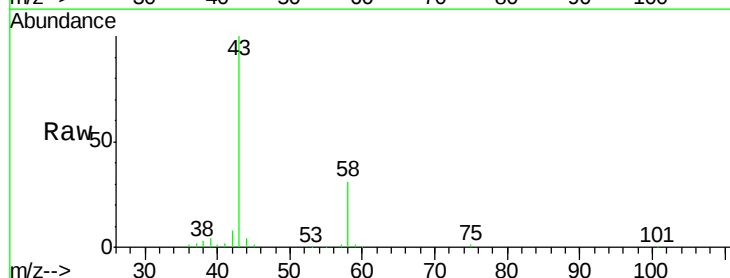
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

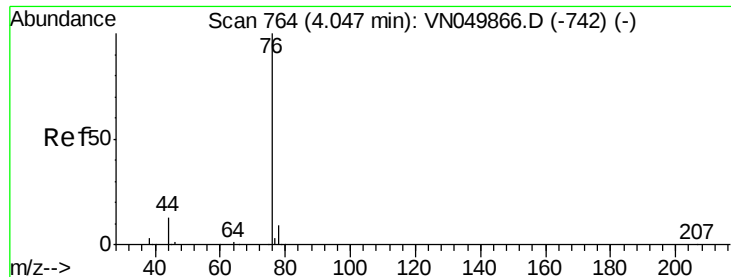
Tot Ion	53	Resp	236987
Ion Ratio	Lower	Upper	
53	100		
52	82.1	64.8	97.2
51	37.3	28.9	43.3



#16
 Acetone
 Concen: 90.05 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	43	Resp	176263
Ion Ratio	Lower	Upper	
43	100		
58	31.8	25.9	38.9

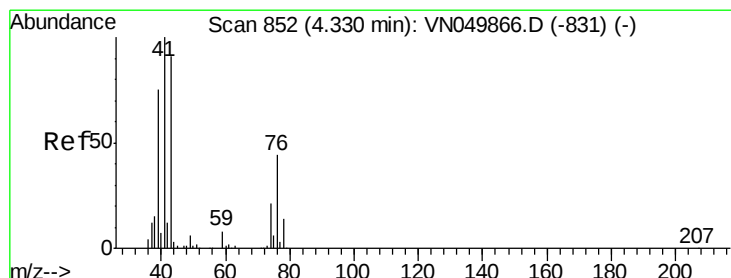
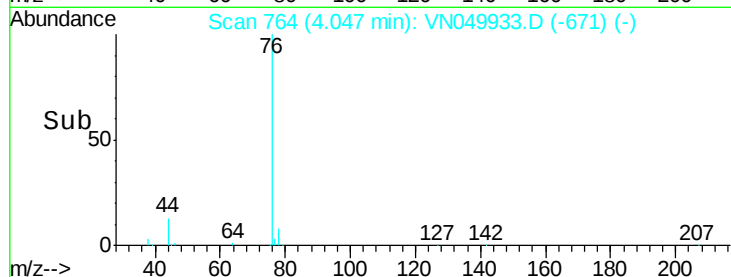
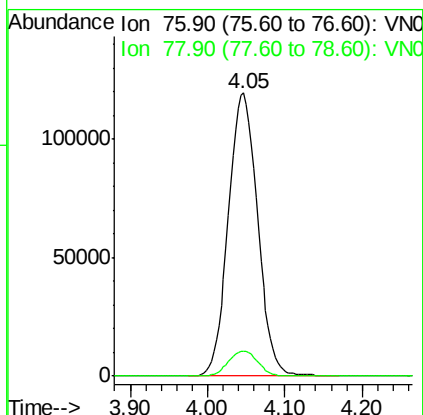
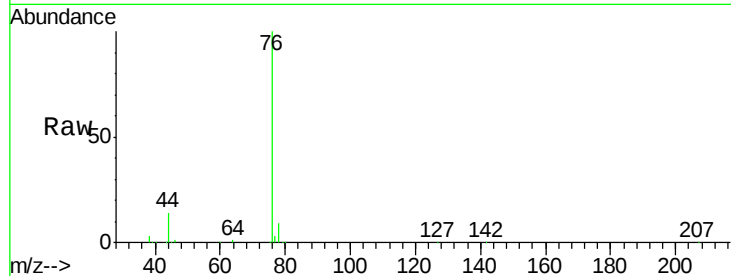




#17
Carbon Disulfide
Concen: 17.56 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

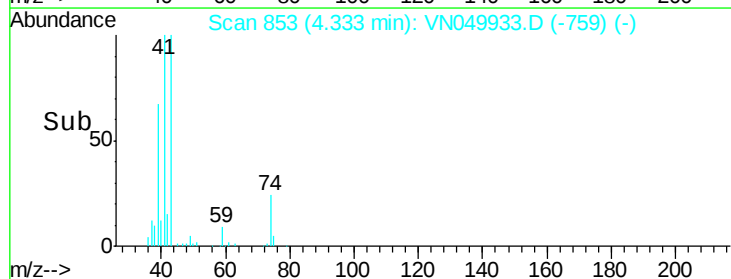
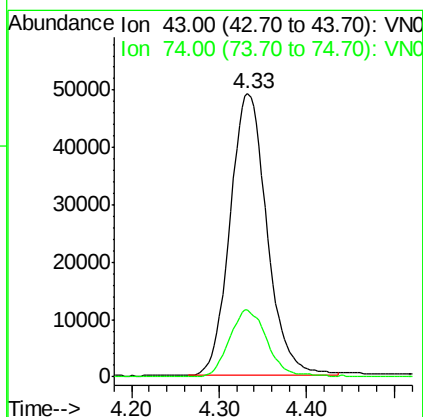
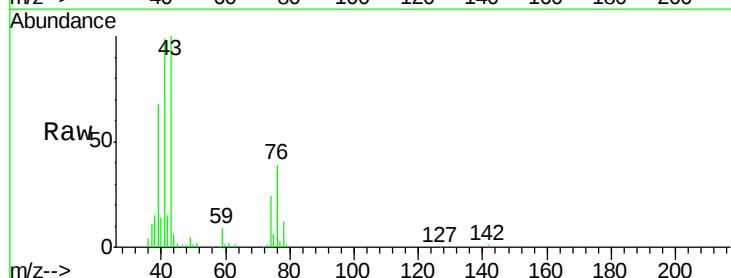
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

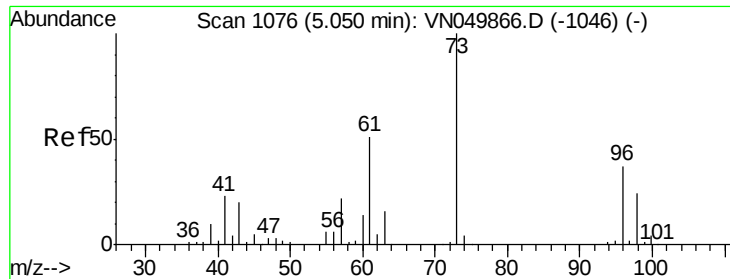
Tot Ion: 76 Resp: 313306
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 23.00 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 43 Resp: 144206
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.8

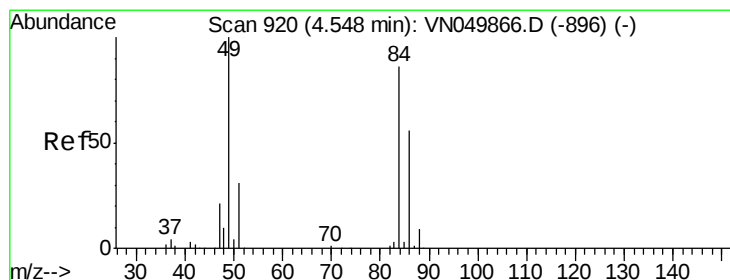
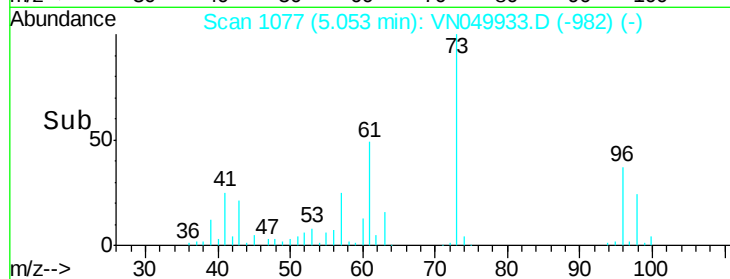
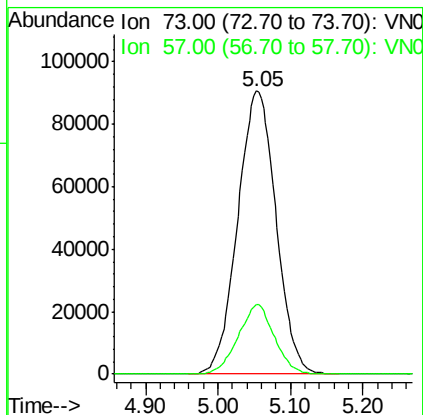
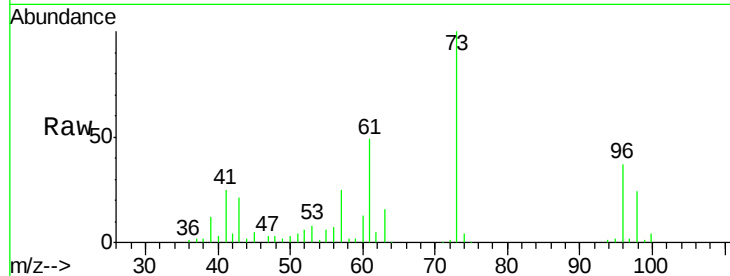




#19
Methyl tert-butyl Ether
Concen: 20.27 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

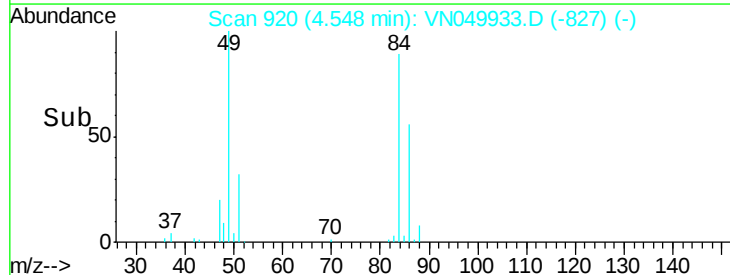
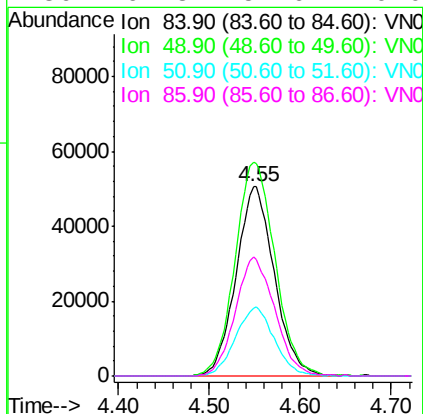
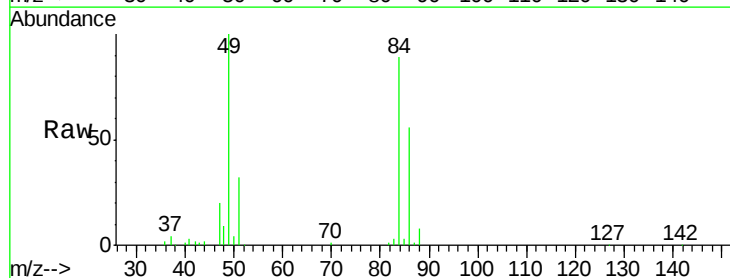
Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

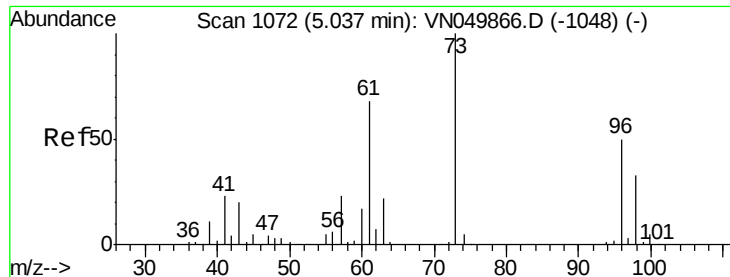
Tot Ion: 73 Resp: 332689
Ion Ratio Lower Upper
73 100
57 24.5 18.1 27.1



#20
Methylene Chloride
Concen: 19.86 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 84 Resp: 147862
Ion Ratio Lower Upper
84 100
49 112.8 95.4 143.2
51 35.7 28.4 42.6
86 62.8 52.6 79.0

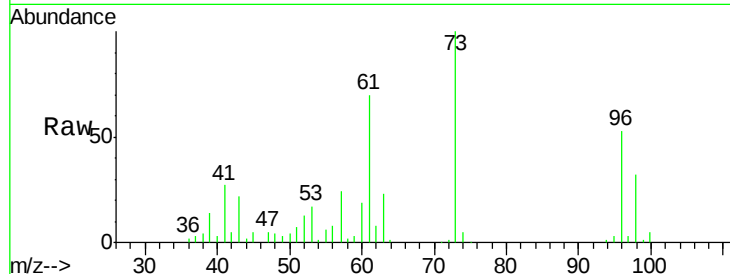




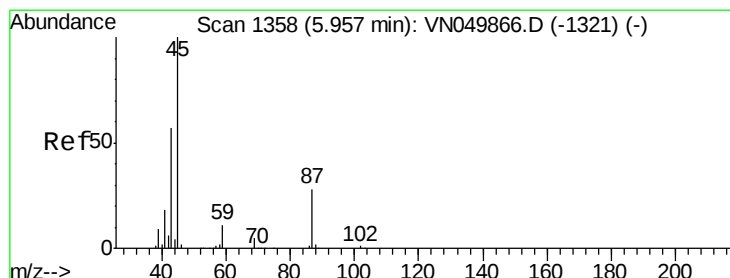
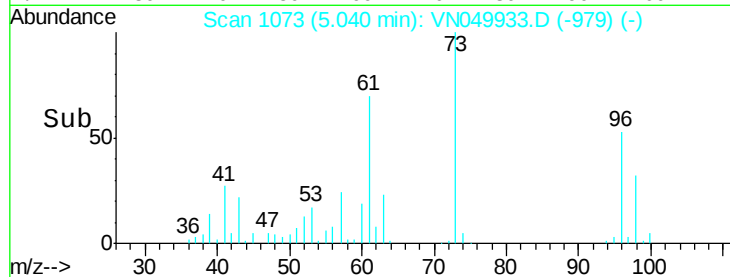
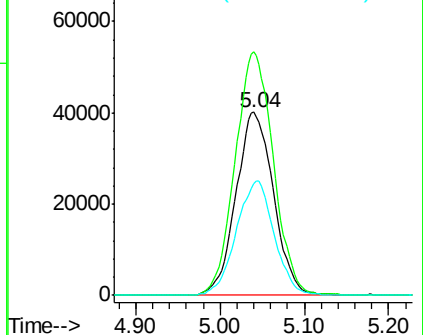
#21
trans-1,2-Dichloroethene
Concen: 19.69 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

Tot Ion: 96 Resp: 124711
Ion Ratio Lower Upper
96 100
61 133.0 109.0 163.6
98 61.1 51.1 76.7



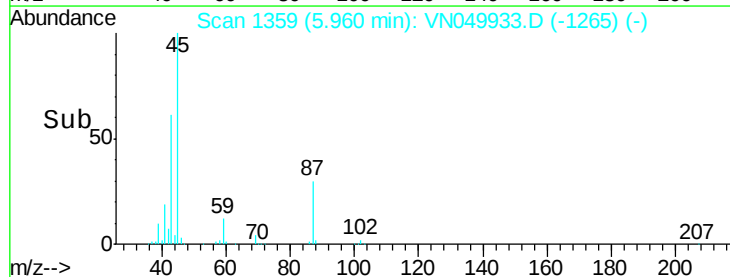
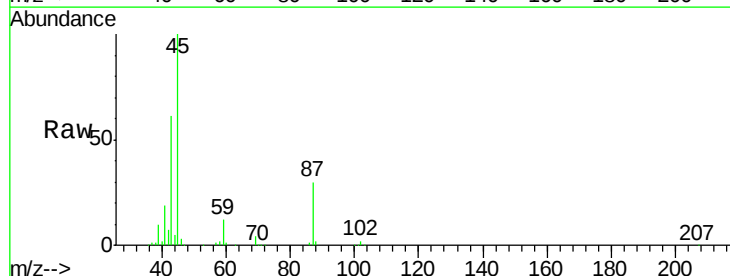
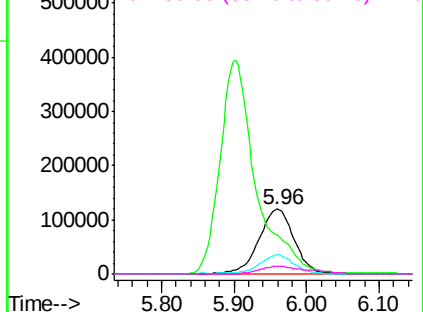
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

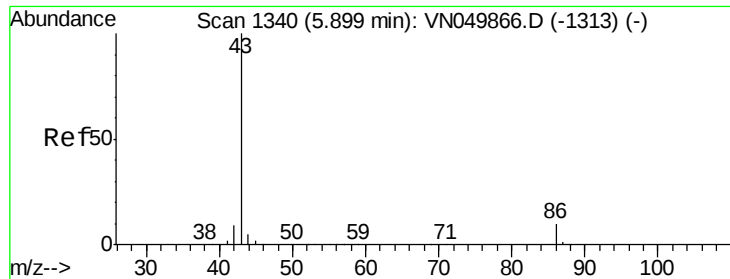


#22
Diisopropyl ether
Concen: 21.03 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 45 Resp: 403452
Ion Ratio Lower Upper
45 100
43 59.6 48.1 72.1
87 29.4 22.6 34.0
59 11.8 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

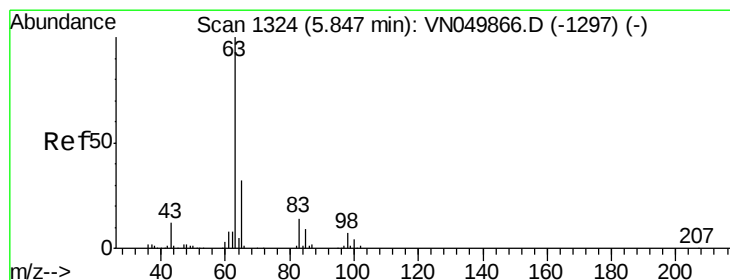
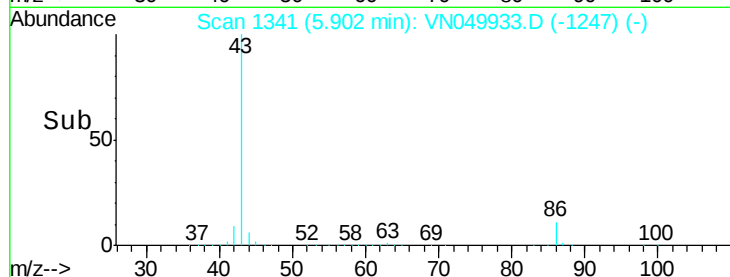
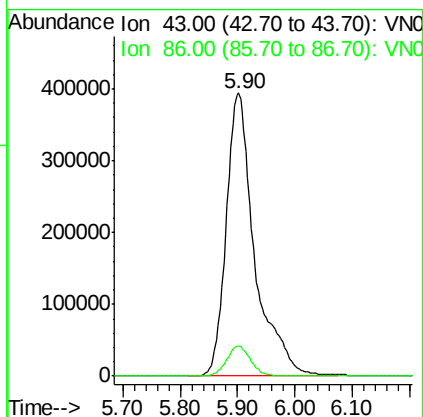
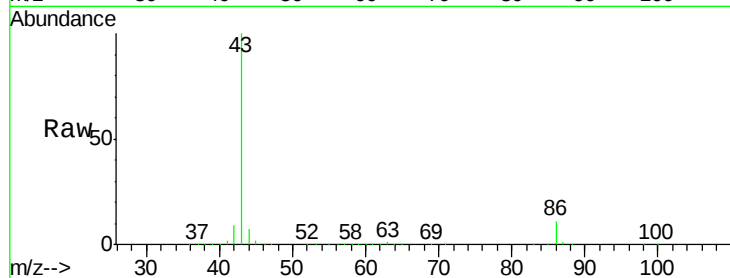




#23
 Vinyl Acetate
 Concen: 101.22 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

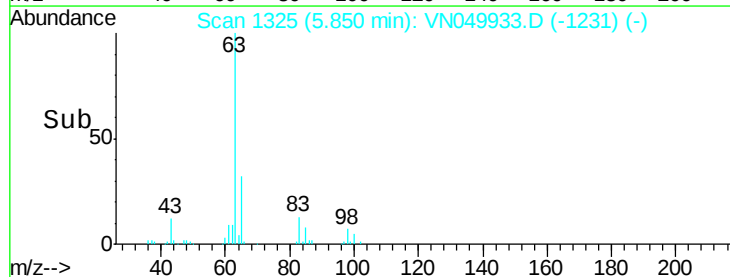
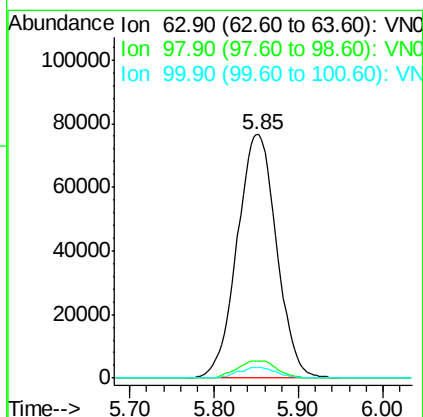
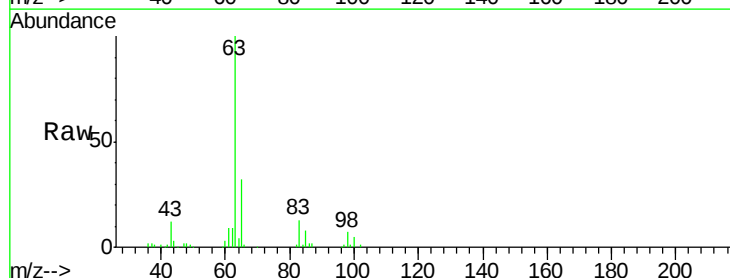
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

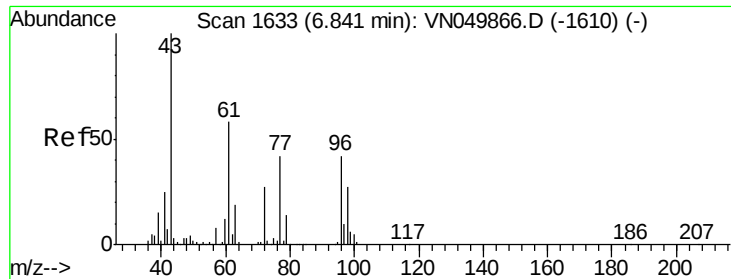
Tot Ion: 43 Resp: 1362499
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.17 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 63 Resp: 248361
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.6 2.2 6.6

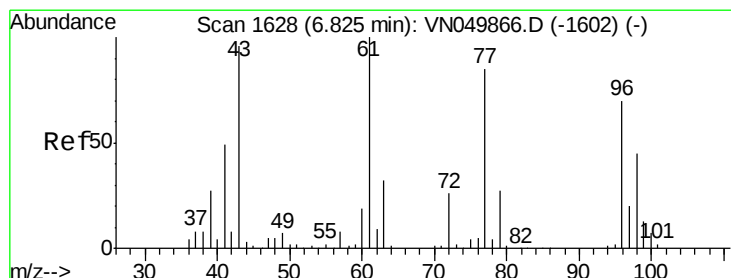
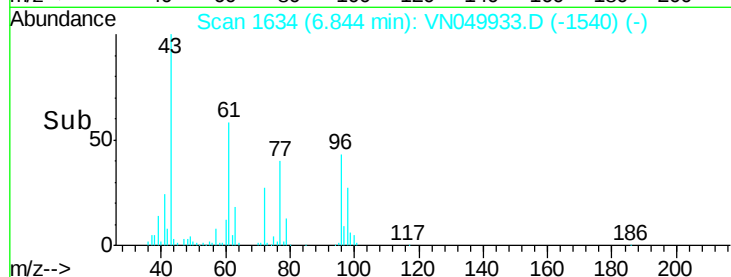
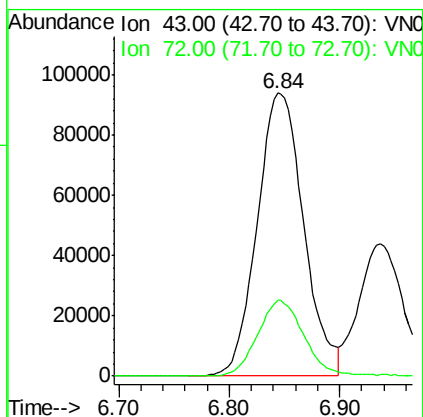
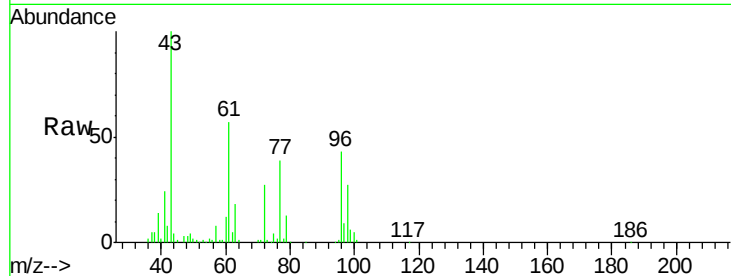




#25
2-Butanone
Concen: 98.04 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

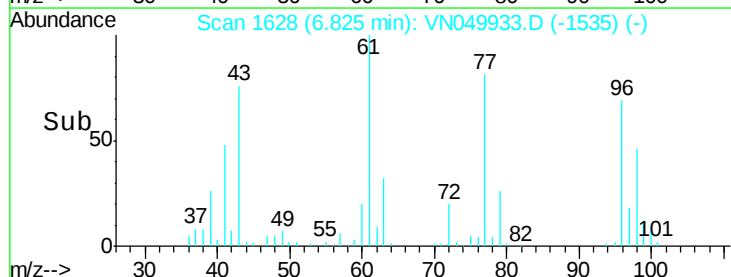
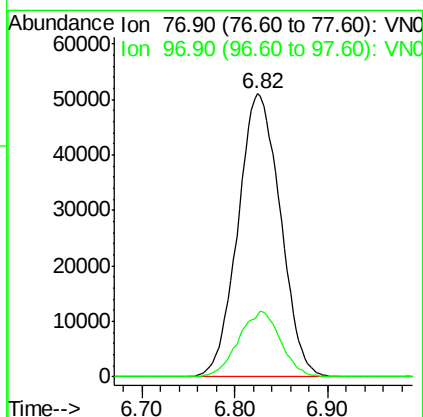
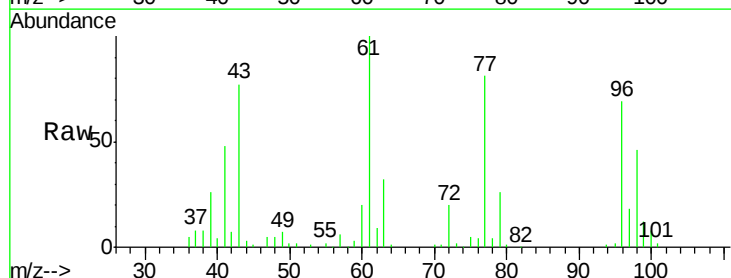
Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

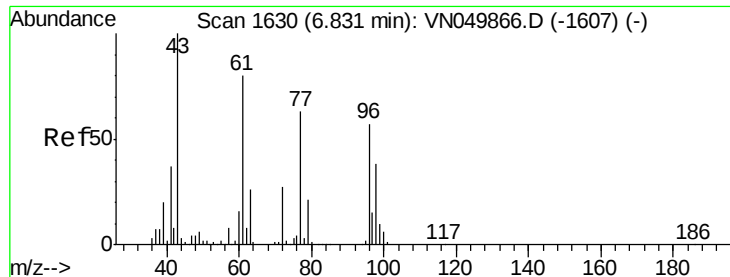
Tot Ion: 43 Resp: 274271
Ion Ratio Lower Upper
43 100
72 26.8 22.1 33.1



#26
2,2-Dichloropropane
Concen: 16.90 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 77 Resp: 161980
Ion Ratio Lower Upper
77 100
97 23.1 11.9 35.5

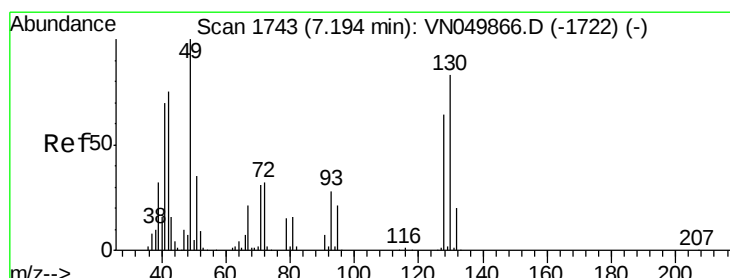
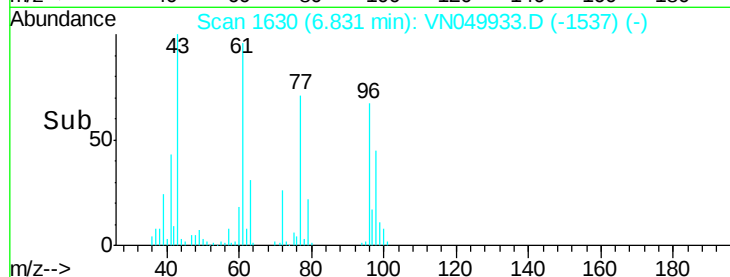
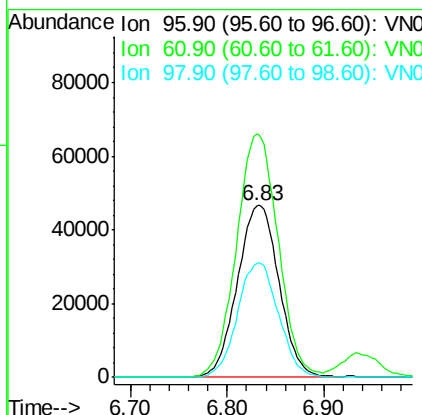
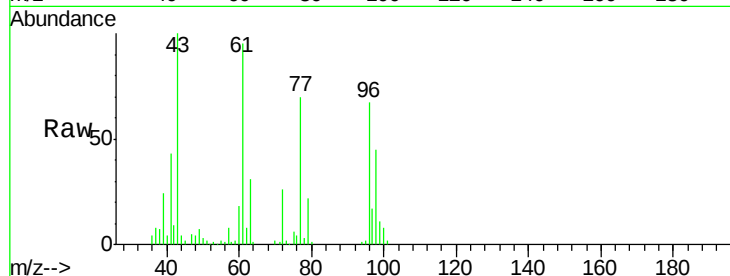




#27
 cis-1,2-Dichloroethene
 Concen: 20.09 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

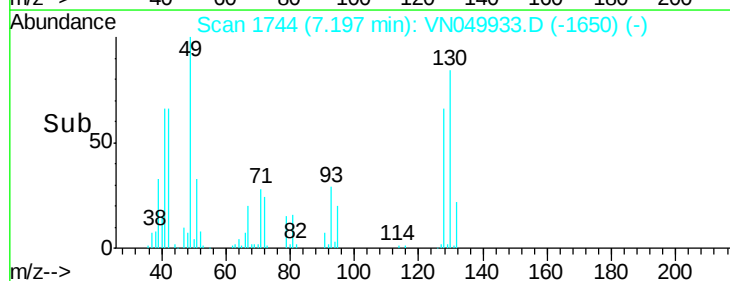
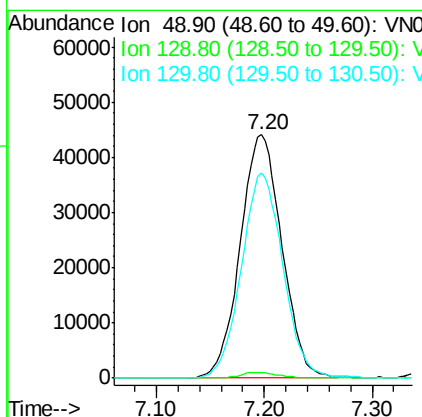
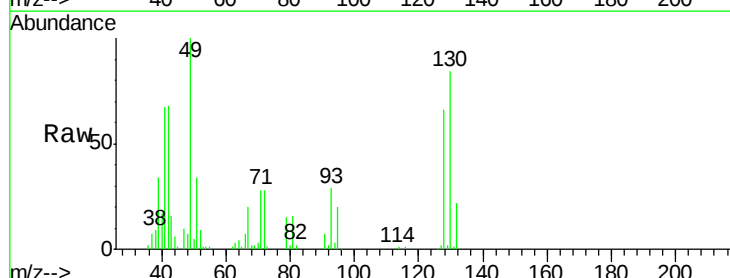
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

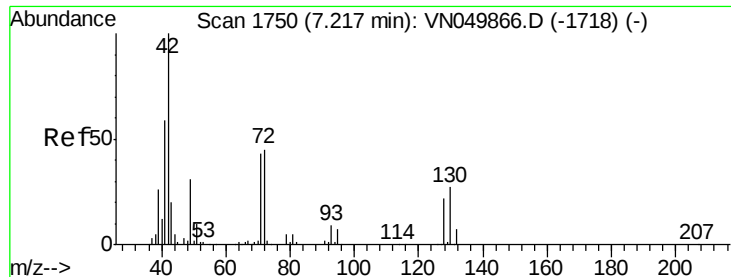
Tot Ion: 96 Resp: 139589
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 289.0
 98 65.8 0.0 130.2



#28
 Bromochloromethane
 Concen: 21.29 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 49 Resp: 118417
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.5 65.5 98.3





#29

Tetrahydrofuran

Concen: 102.03 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

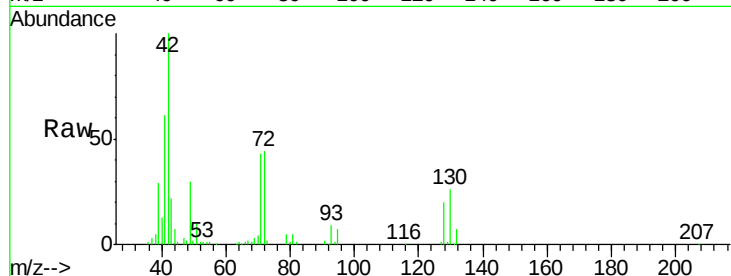
Tot Ion: 42 Resp: 179811

Ion Ratio Lower Upper

42 100

72 44.4 35.6 53.4

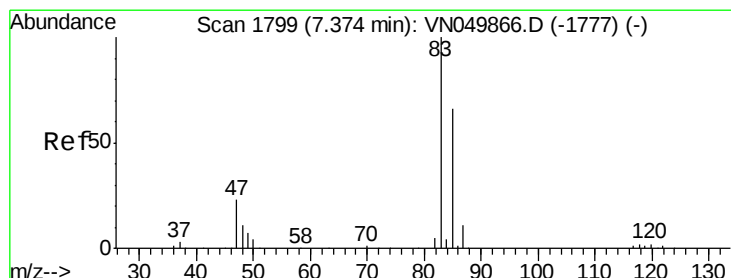
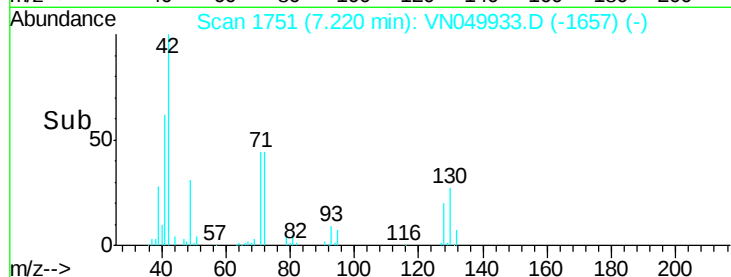
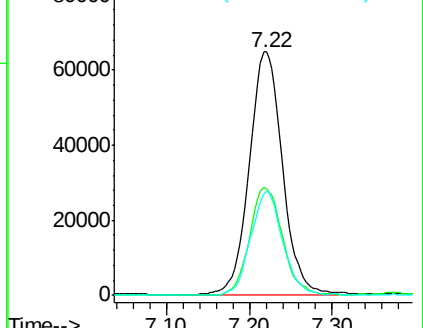
71 41.3 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.39 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN049933.D

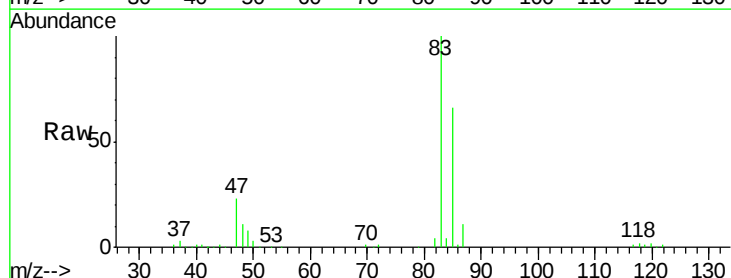
Acq: 19 Jul 2018 23:21

Tgt Ion: 83 Resp: 257758

Ion Ratio Lower Upper

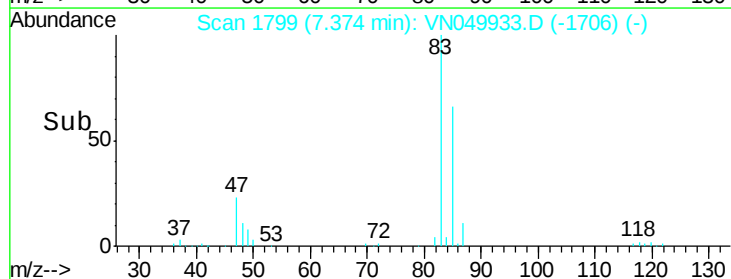
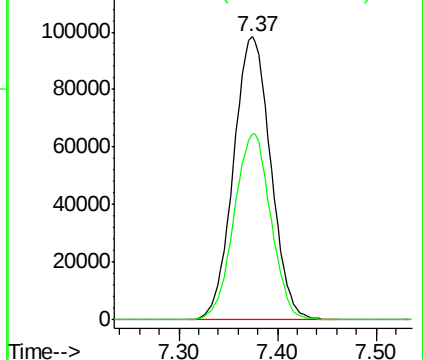
83 100

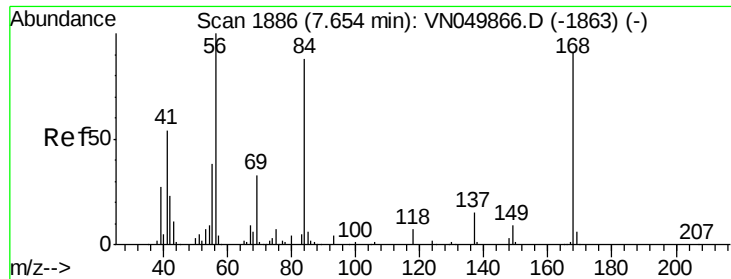
85 65.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

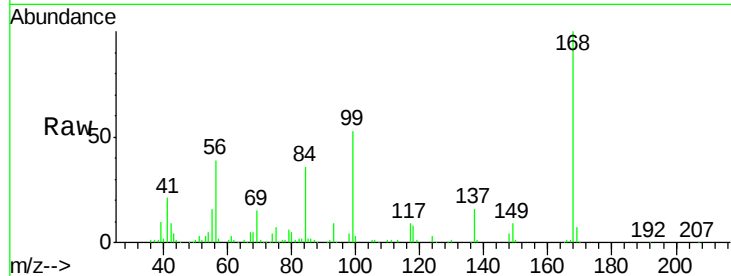




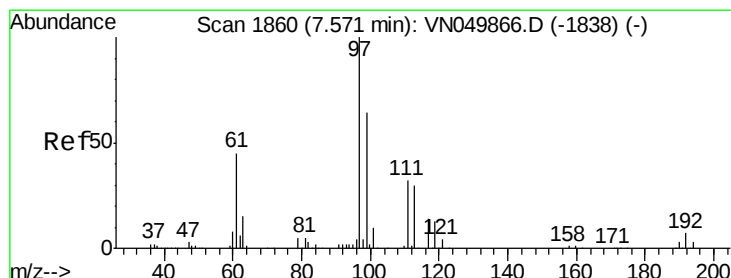
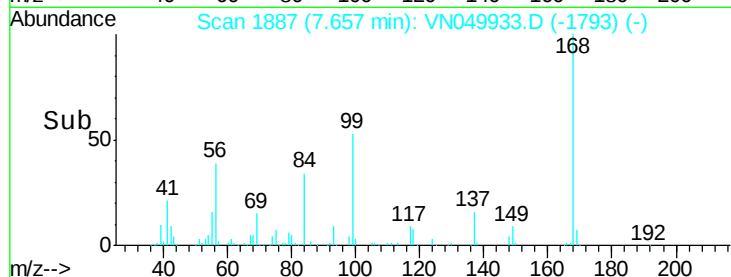
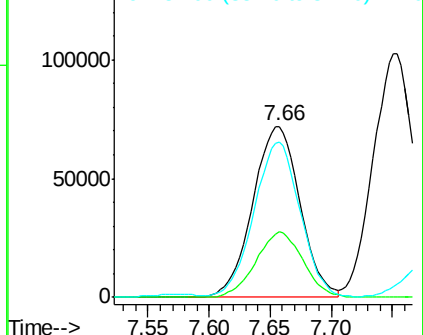
#31
Cyclohexane
Concen: 19.29 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

Tot Ion: 56 Resp: 193386
Ion Ratio Lower Upper
56 100
69 38.2 26.6 40.0
84 89.5 69.0 103.6

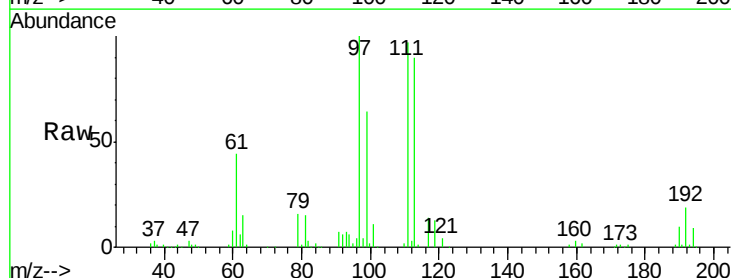


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

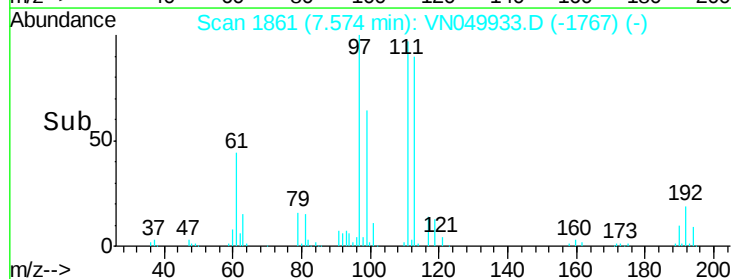
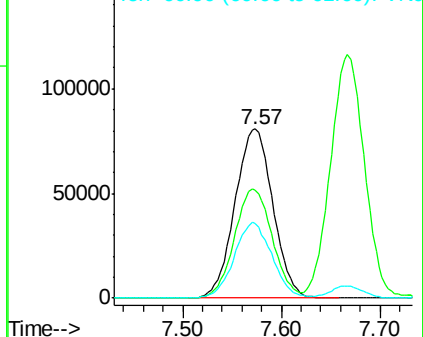


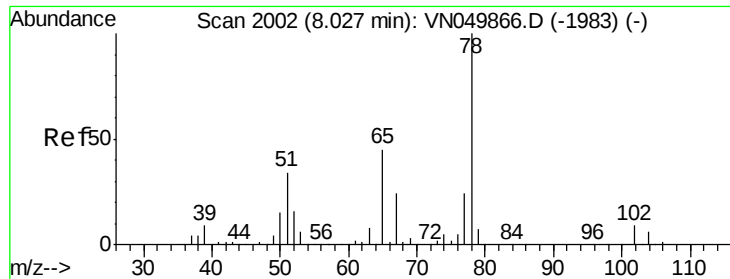
#32
1,1,1-Trichloroethane
Concen: 19.70 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 97 Resp: 215270
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 44.4 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: 53.81 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

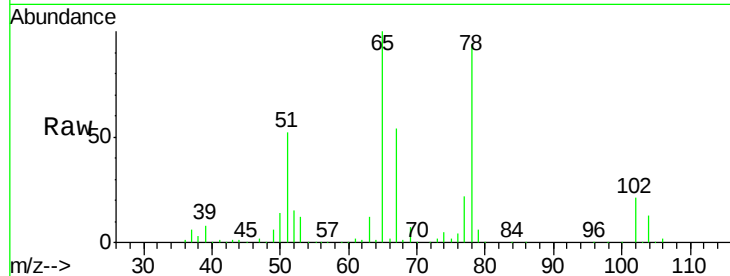
VN0719WBS02

Tot Ion: 65 Resp: 406851

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

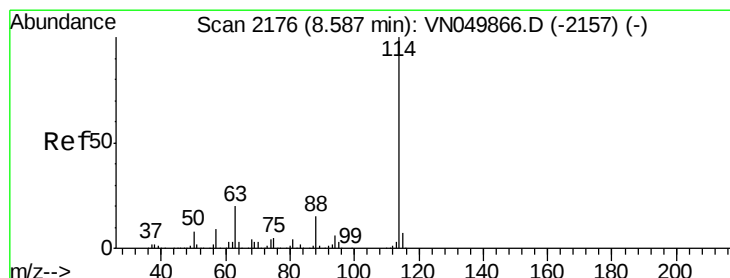
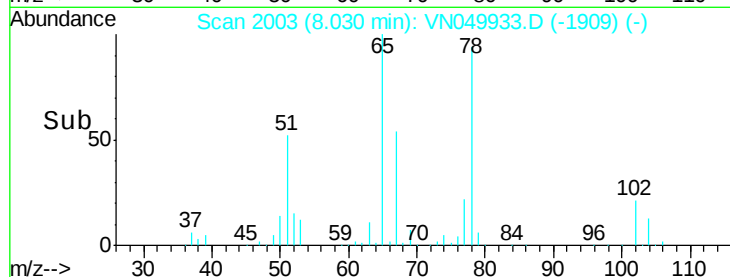
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

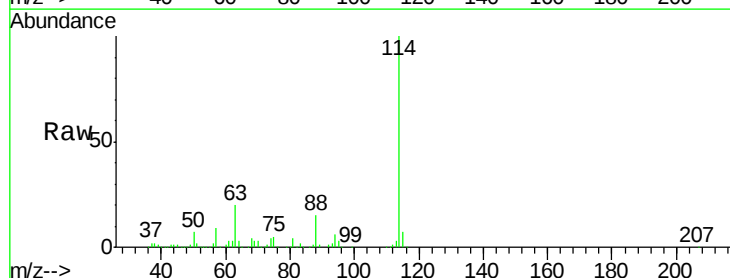
Tgt Ion:114 Resp: 849808

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

500000

400000

300000

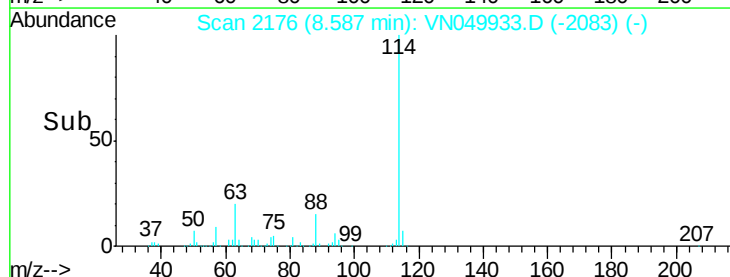
200000

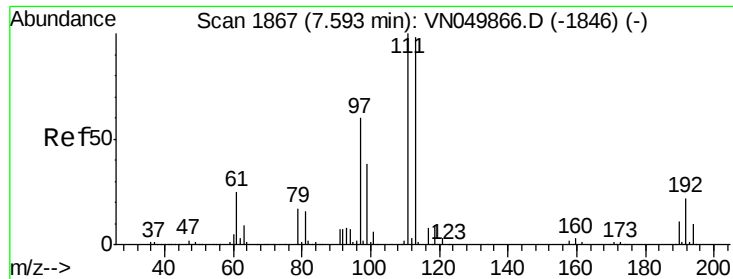
100000

0

8.50 8.60 8.70 8.80

Time-->

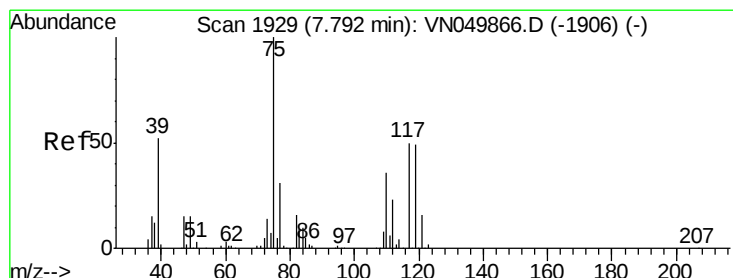
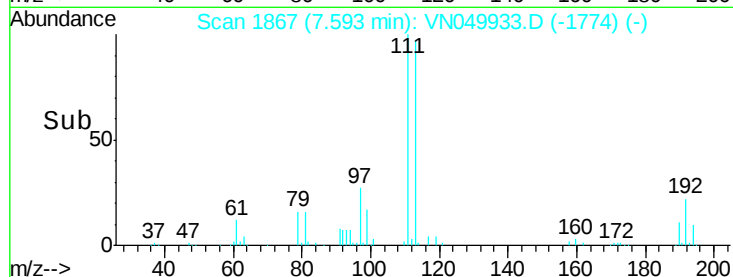
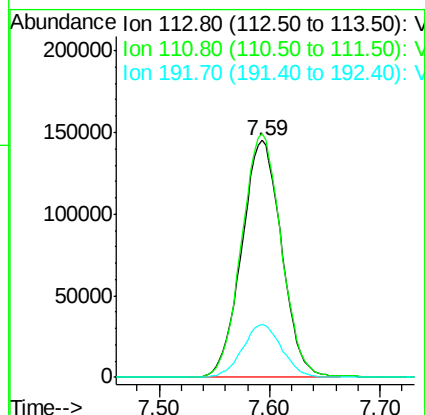
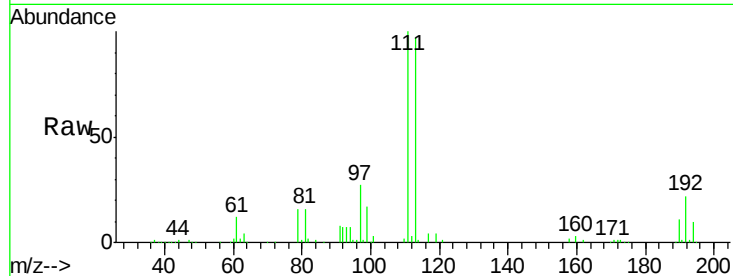




#35
 Dibromofluoromethane
 Concen: 50.92 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

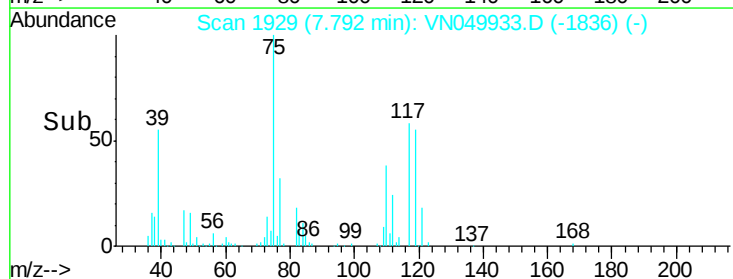
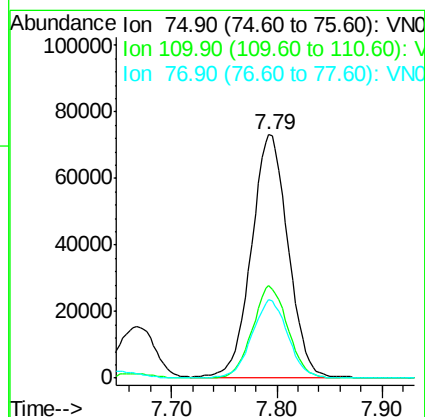
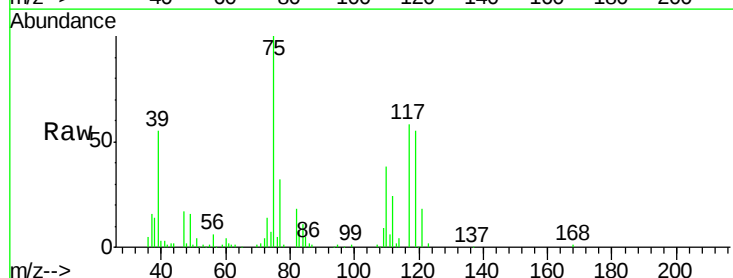
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

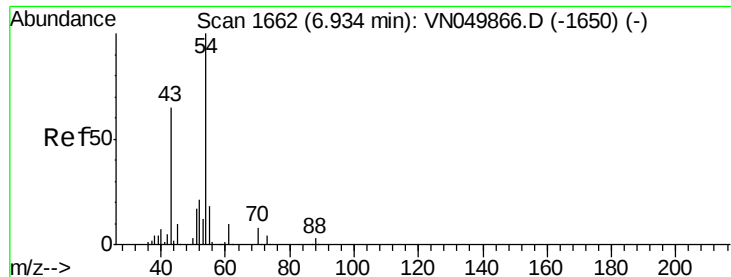
Tot Ion:113 Resp: 363260
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 18.57 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 75 Resp: 175429
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.1 54.4
 77 31.9 24.9 37.3

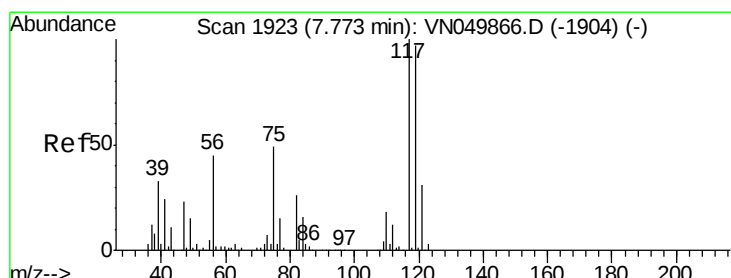
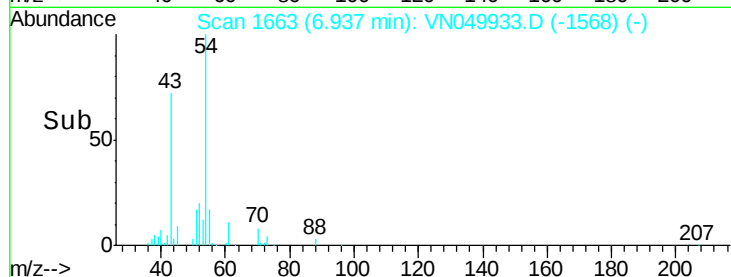
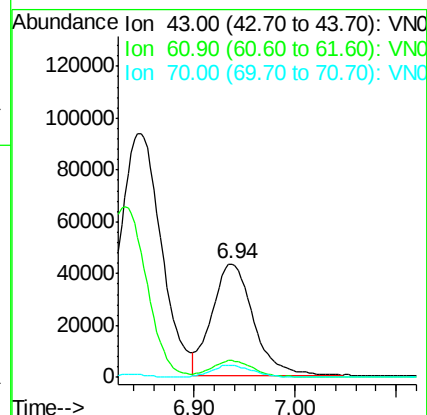
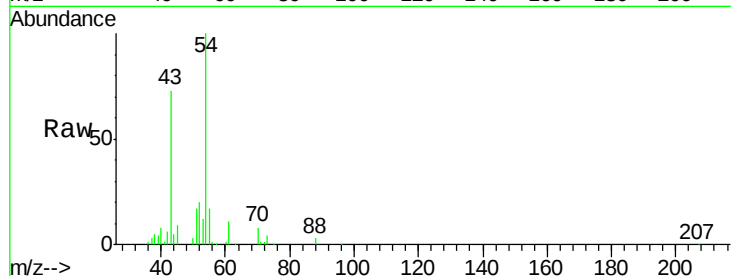




#37
Ethyl Acetate
Concen: 19.11 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

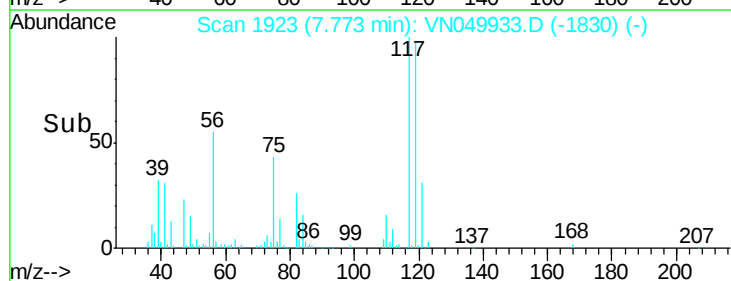
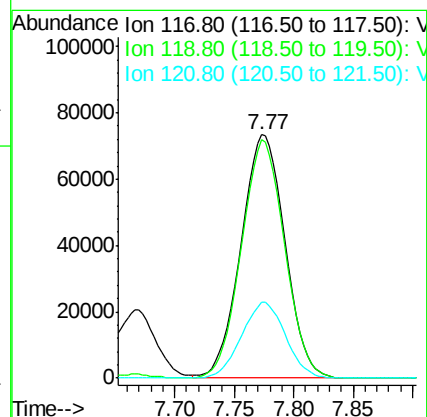
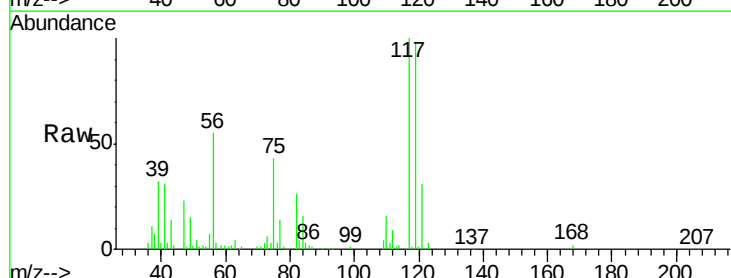
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

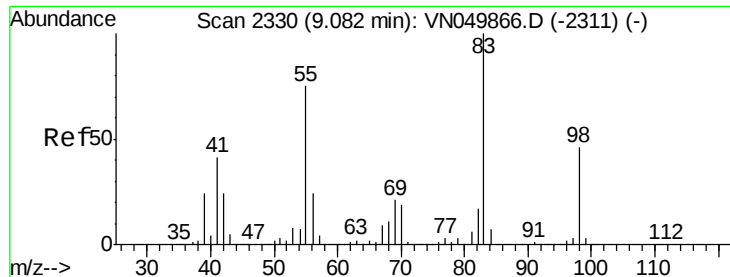
Tot Ion: 43 Resp: 123986
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.61 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 117 Resp: 188341
Ion Ratio Lower Upper
117 100
119 97.8 77.2 115.8
121 31.1 25.0 37.6

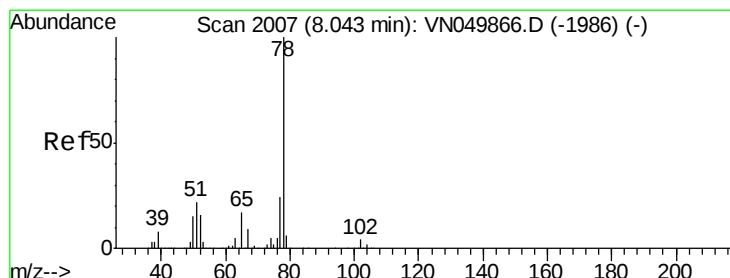
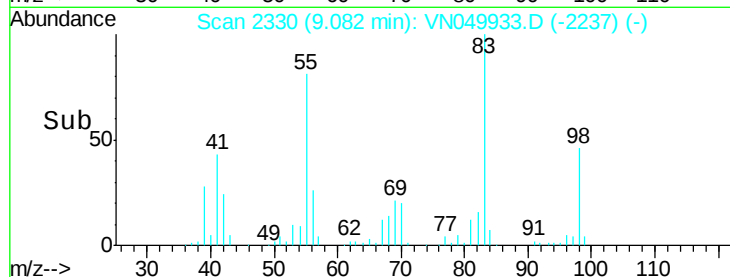
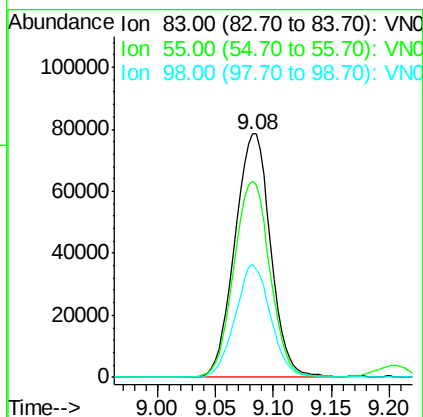
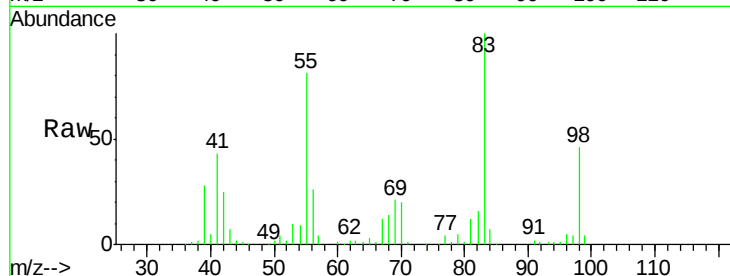




#39
Methvlcvclohexane
Concen: 17.27 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

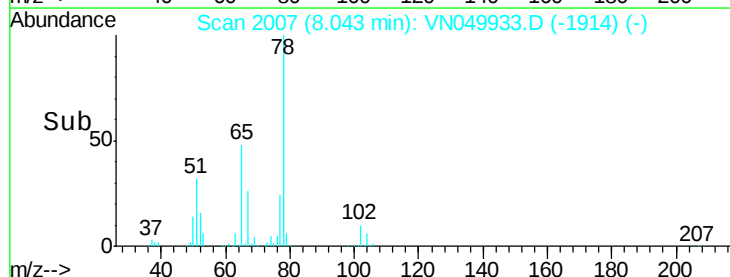
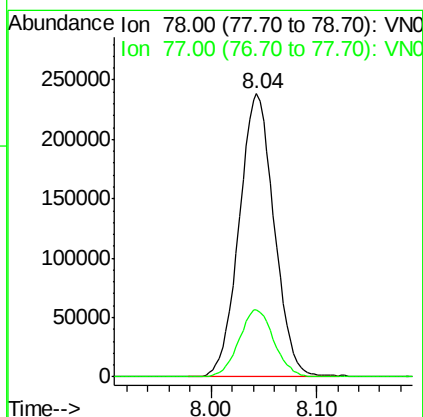
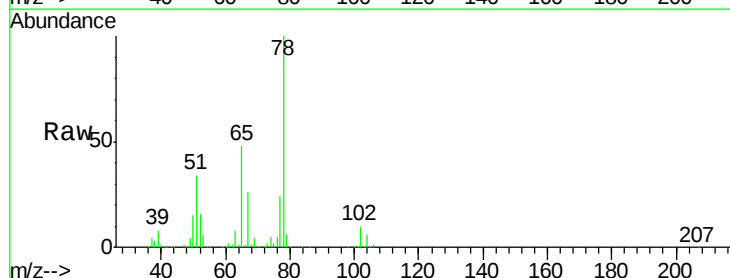
Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

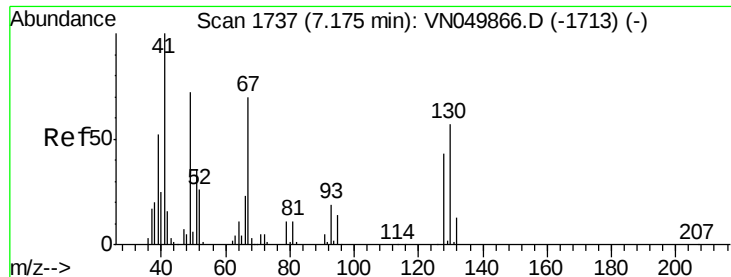
Tot Ion: 83 Resp: 168556
Ion Ratio Lower Upper
83 100
55 80.8 59.7 89.5
98 46.2 36.5 54.7



#40
Benzene
Concen: 19.09 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 78 Resp: 549804
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

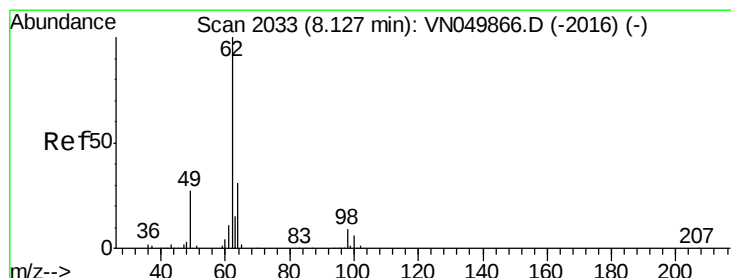
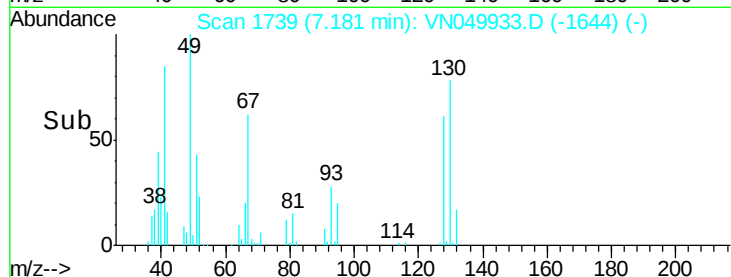
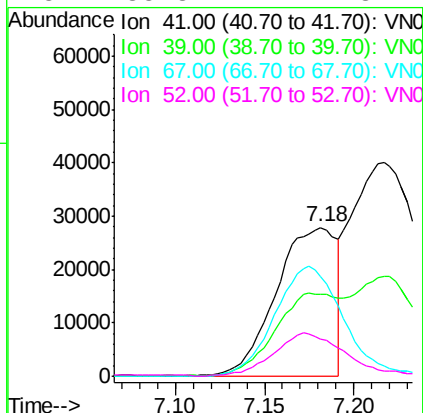
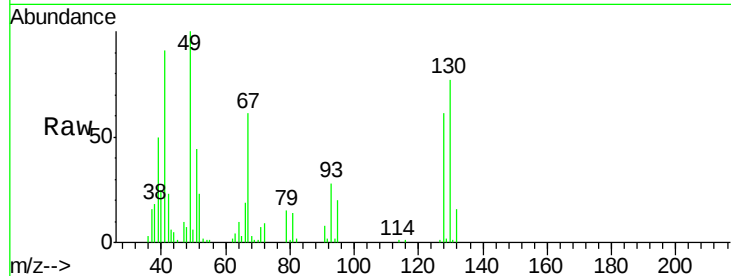




#41
Methacrylonitrile
Concen: 20.09 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

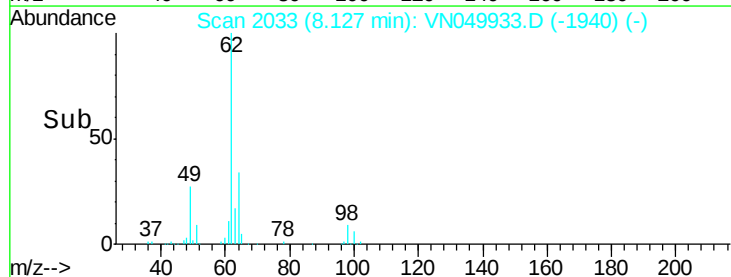
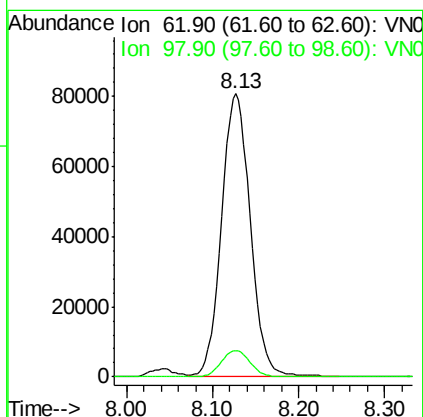
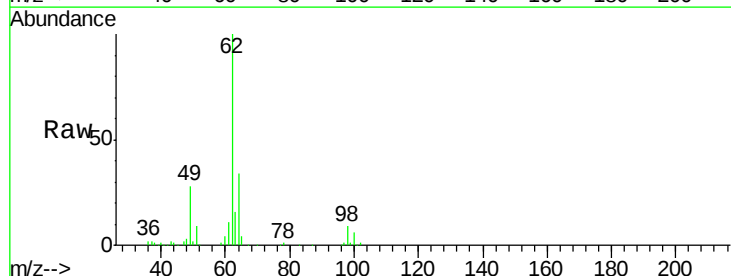
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

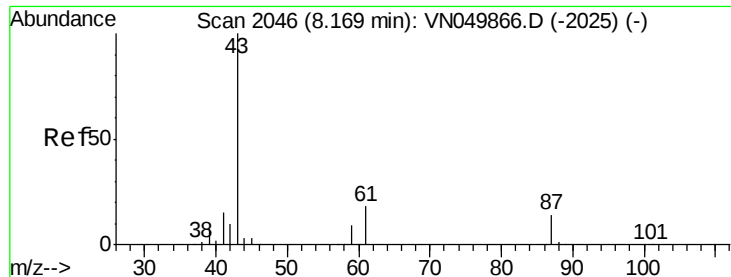
Tot Ion:	41	Resp:	65355
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.4	68.2
67	85.2	65.4	98.0
52	35.3	24.7	37.1



#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion:	62	Resp:	187151
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.54 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

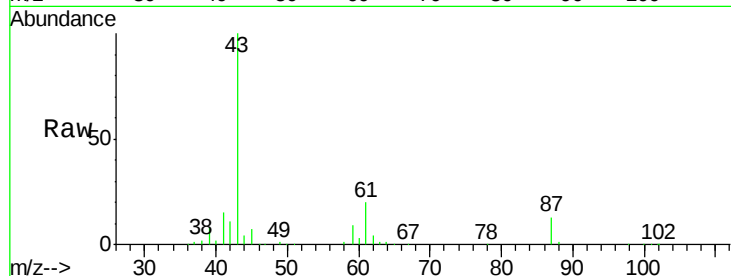
Tot Ion: 43 Resp: 244212

Ion Ratio Lower Upper

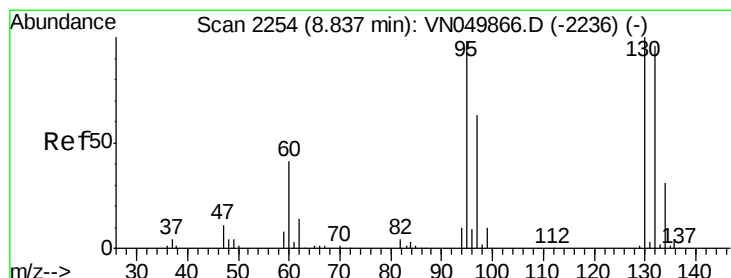
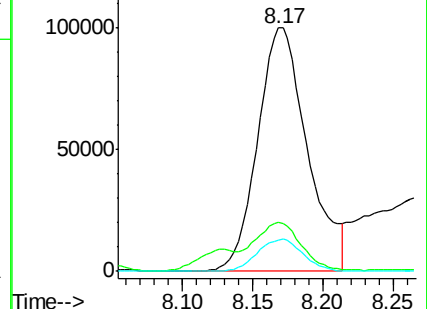
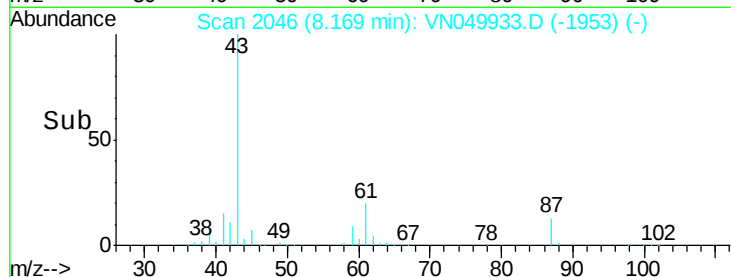
43 100

61 18.6 14.9 22.3

87 12.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049933.D (-1953) (-)



#44

Trichloroethene

Concen: 19.06 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049933.D

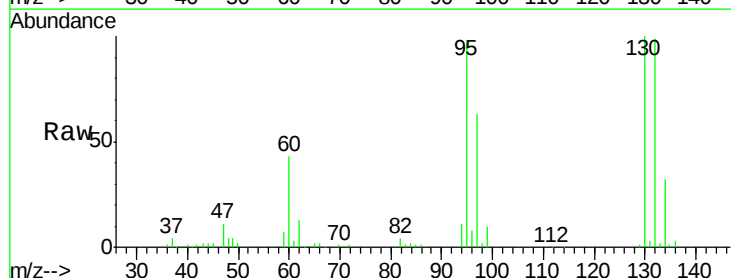
Acq: 19 Jul 2018 23:21

Tgt Ion:130 Resp: 143942

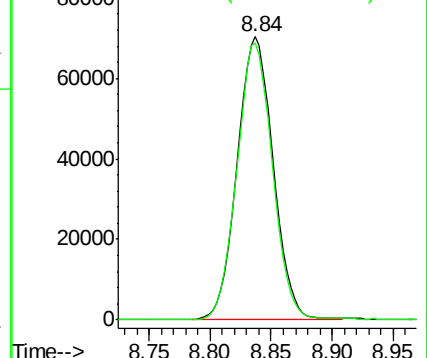
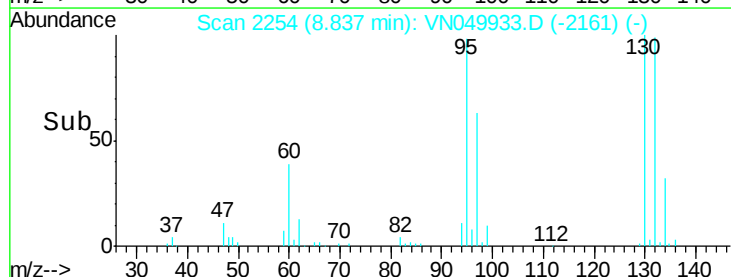
Ion Ratio Lower Upper

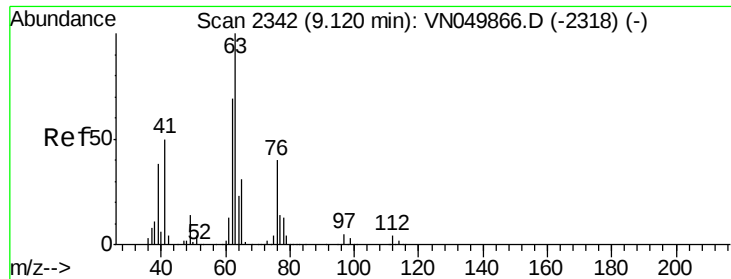
130 100

95 98.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049933.D (-2161) (-)

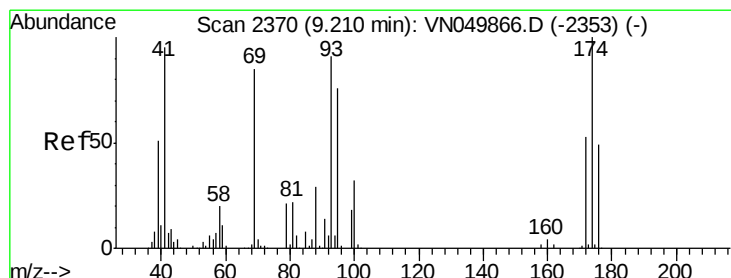
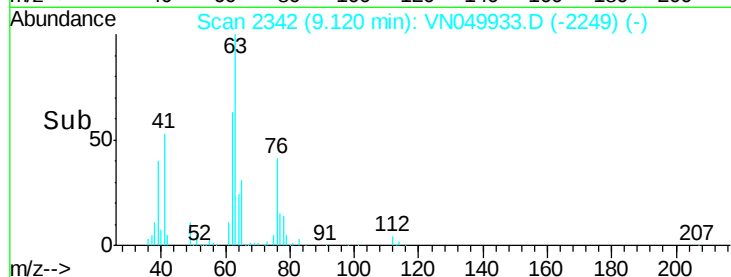
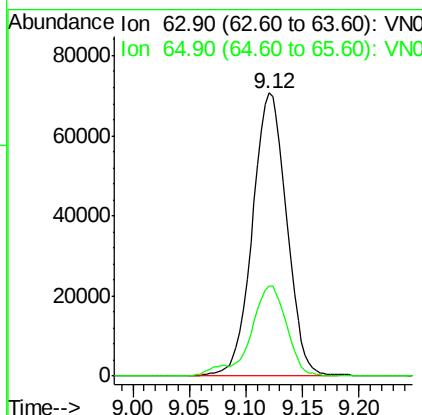
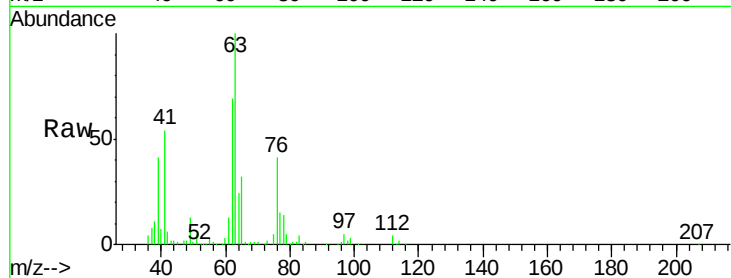




#45
 1,2-Dichloropropane
 Concen: 19.14 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

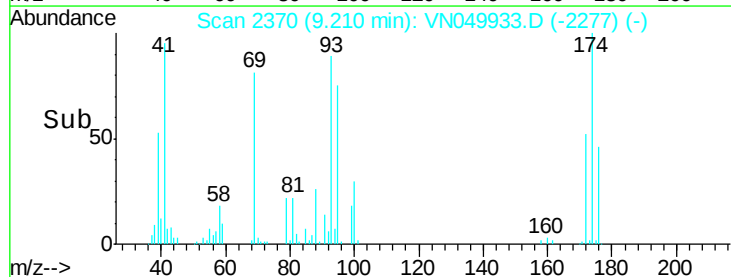
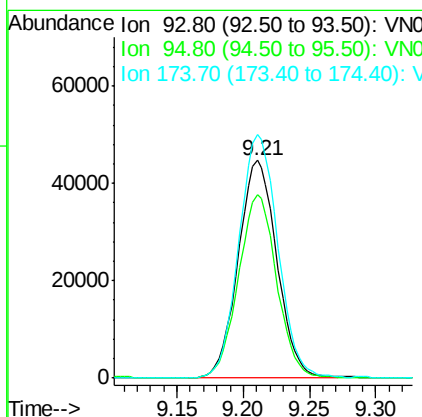
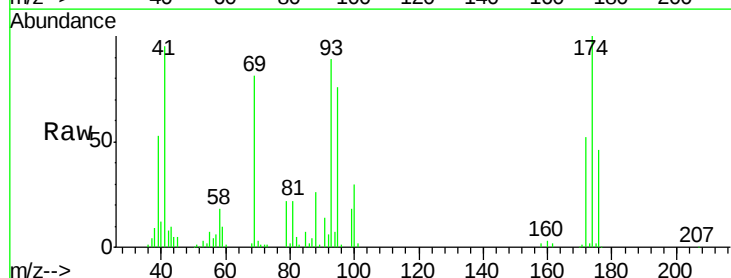
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

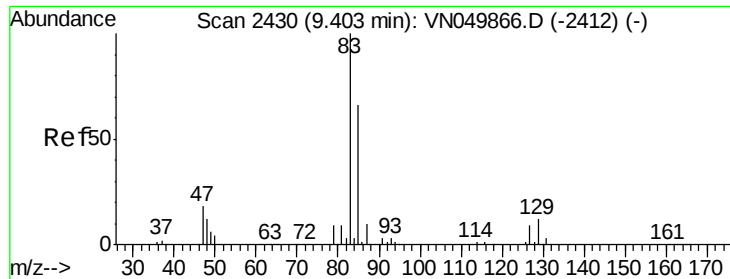
Tot Ion: 63 Resp: 148708
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.7 37.1



#46
 Dibromomethane
 Concen: 18.92 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 93 Resp: 91158
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.9 101.9
 174 112.4 89.4 134.0





#47

Bromodichloromethane

Concen: 19.60 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

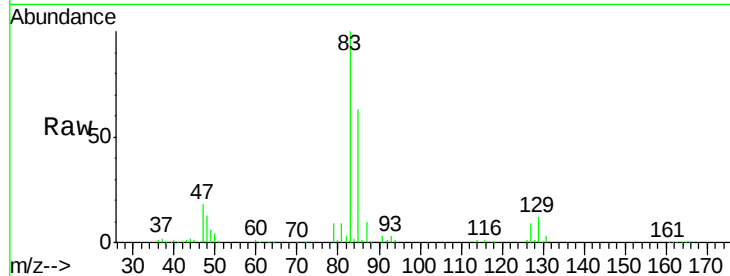
Tot Ion: 83 Resp: 195344

Ion Ratio Lower Upper

83 100

85 62.6 50.5 75.7

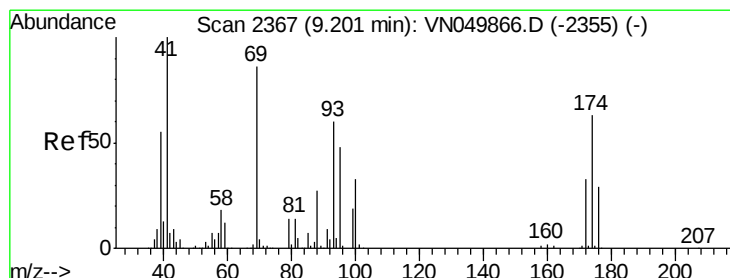
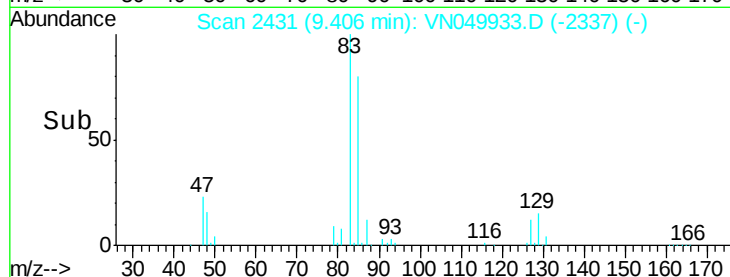
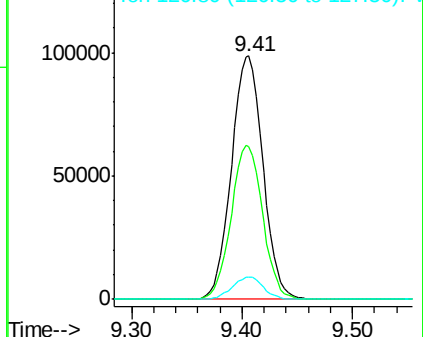
127 9.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049933.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049933.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049933.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.86 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

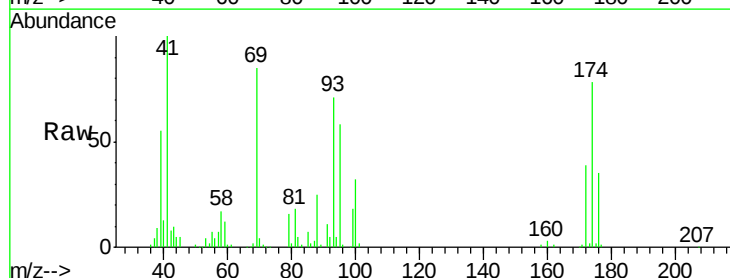
Tgt Ion: 41 Resp: 107248

Ion Ratio Lower Upper

41 100

69 88.5 71.5 107.3

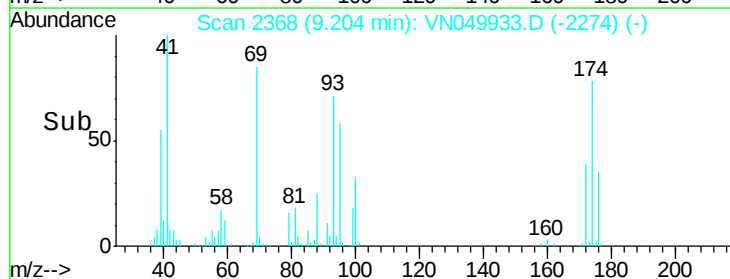
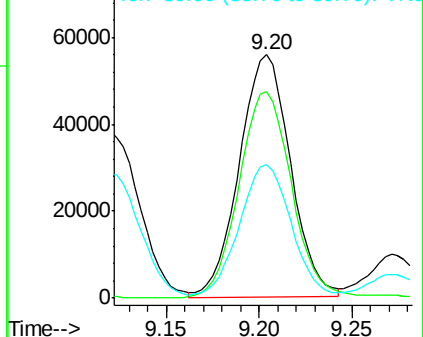
39 56.0 44.7 67.1

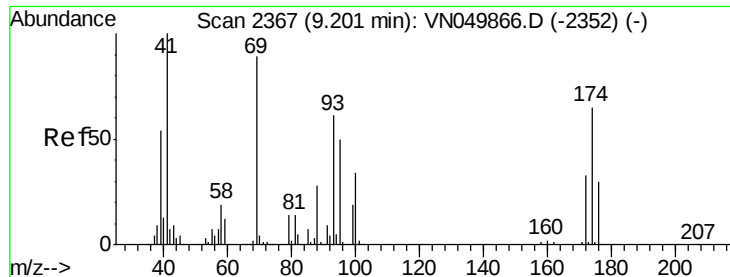


Abundance Ion 41.00 (40.70 to 41.70): VN049933.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049933.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049933.D (-2274) (-)





#49

1,4-Dioxane

Concen: 362.40 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

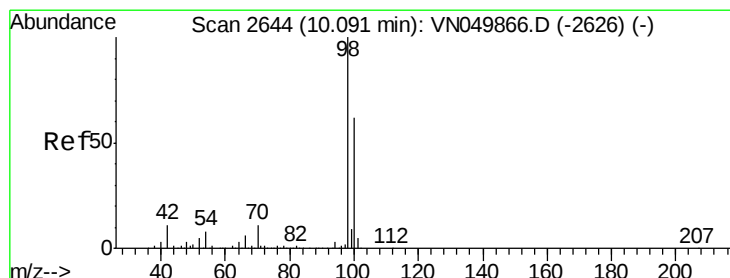
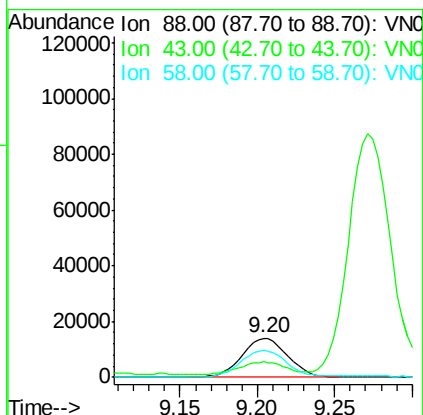
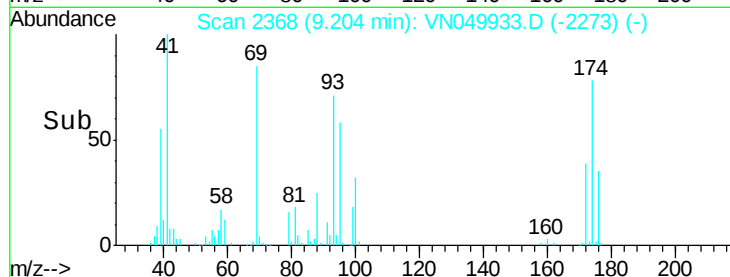
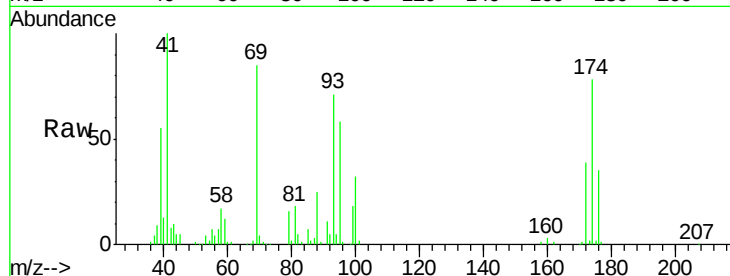
Tot Ion: 88 Resp: 29233

Ion Ratio Lower Upper

88 100

43 33.3 25.1 37.7

58 69.1 52.5 78.7



#50

Toluene-d8

Concen: 50.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049933.D

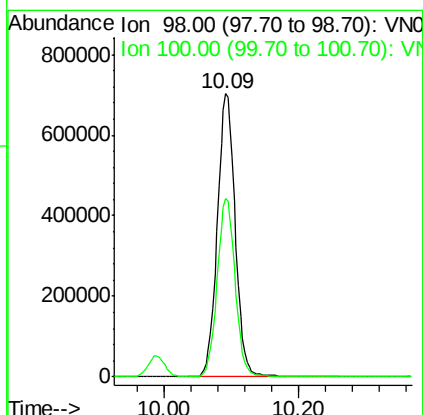
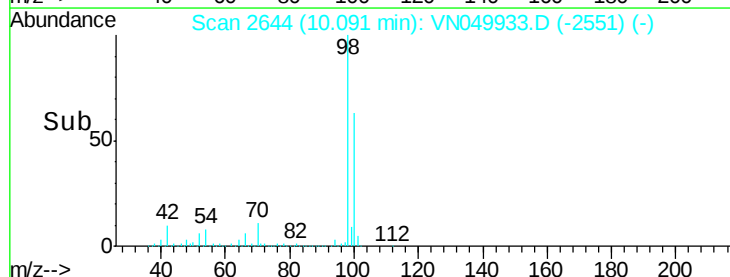
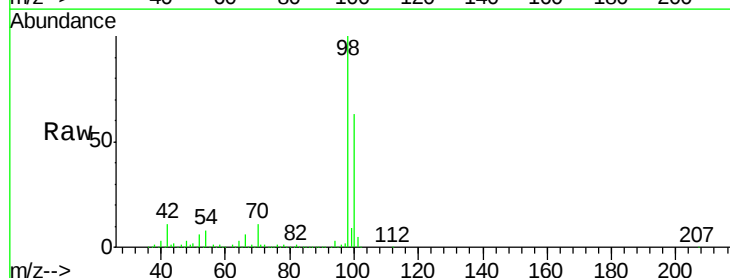
Acq: 19 Jul 2018 23:21

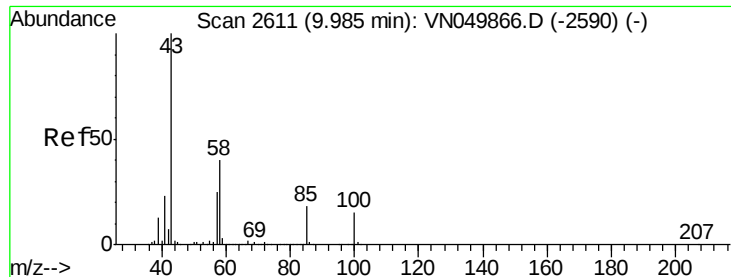
Tgt Ion: 98 Resp: 1307330

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 99.07 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

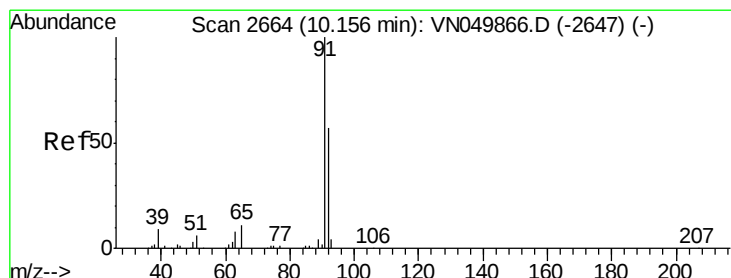
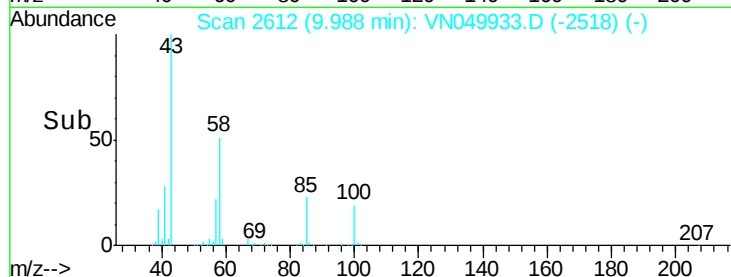
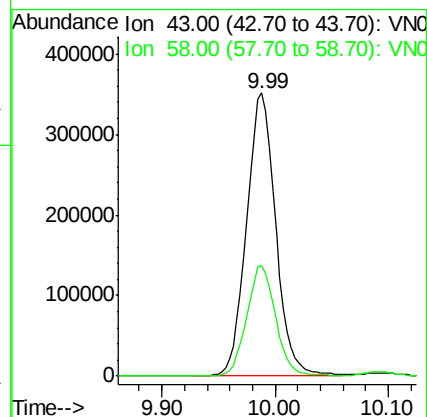
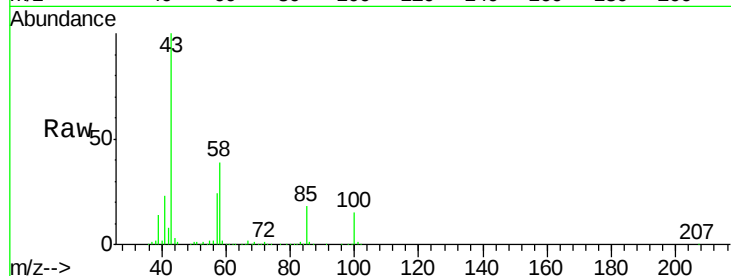
VN0719WBS02

Tot Ion: 43 Resp: 627767

Ion Ratio Lower Upper

43 100

58 39.0 31.8 47.8



#52

Toluene

Concen: 19.63 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049933.D

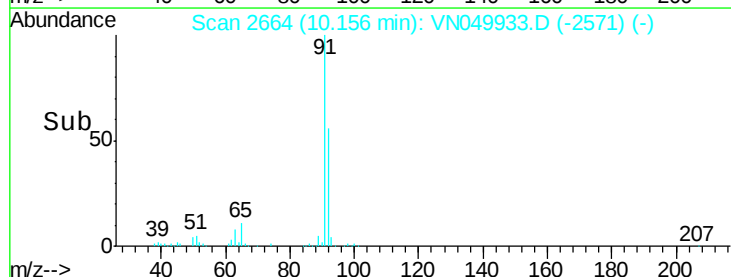
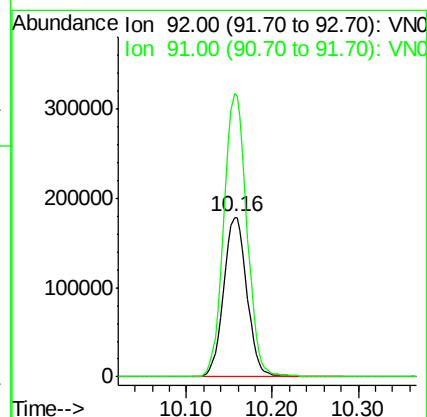
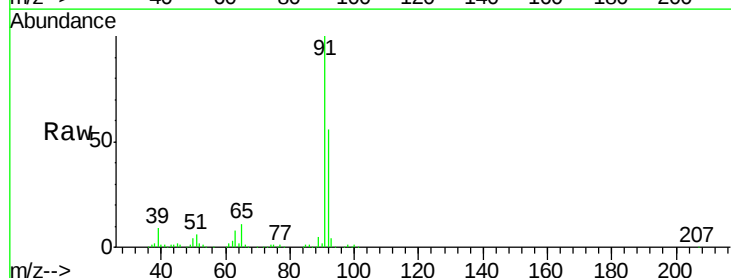
Acq: 19 Jul 2018 23:21

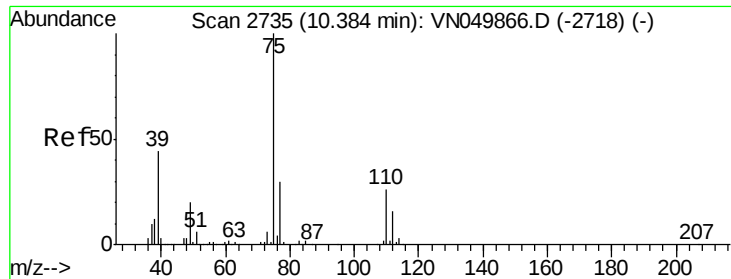
Tgt Ion: 92 Resp: 337174

Ion Ratio Lower Upper

92 100

91 176.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.24 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

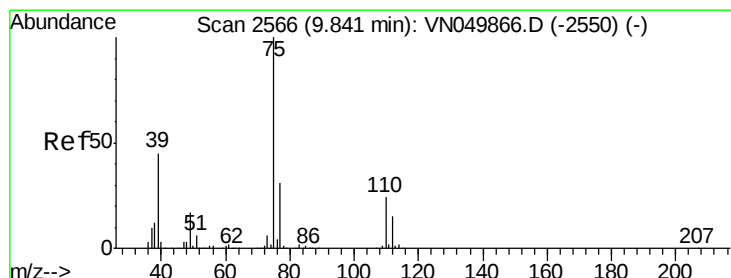
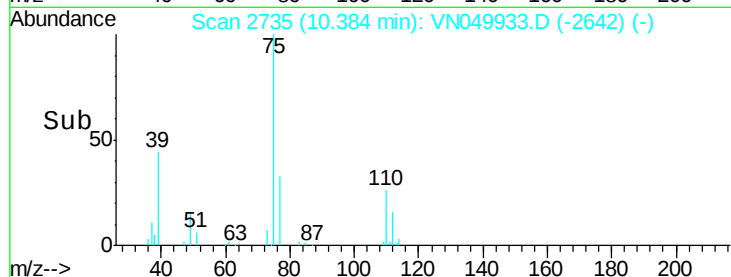
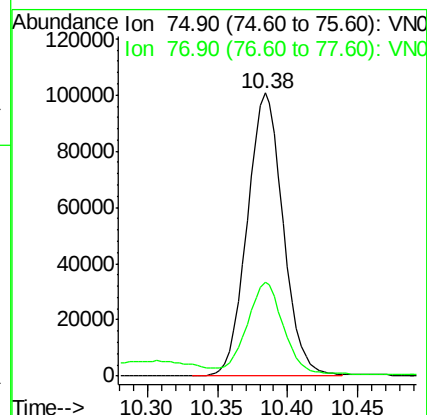
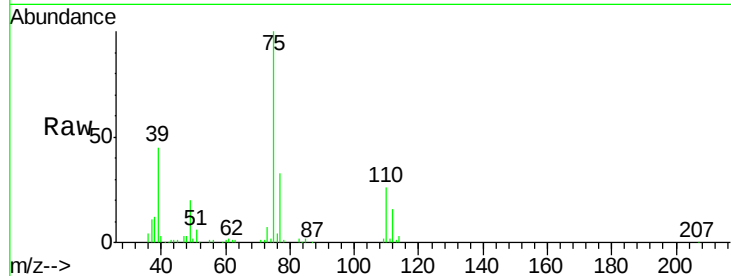
VN0719WBS02

Tot Ion: 75 Resp: 179689

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 18.93 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

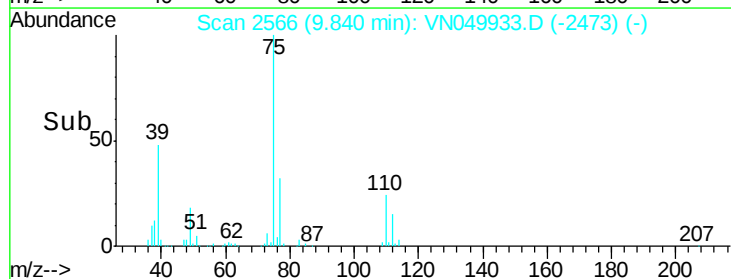
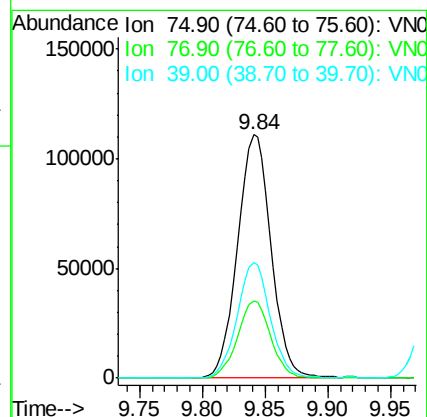
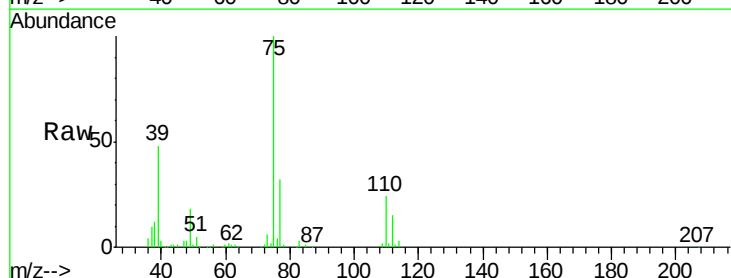
Tgt Ion: 75 Resp: 206173

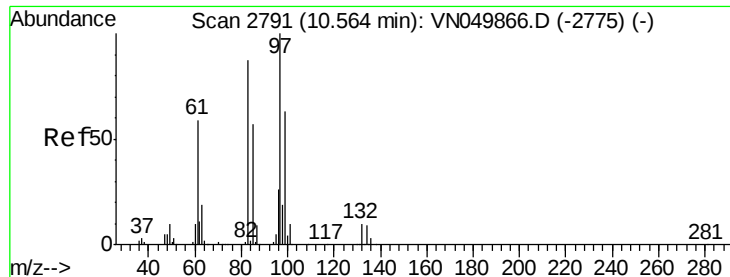
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 47.5 35.5 53.3

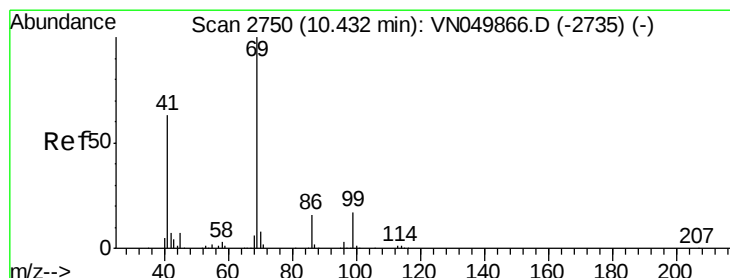
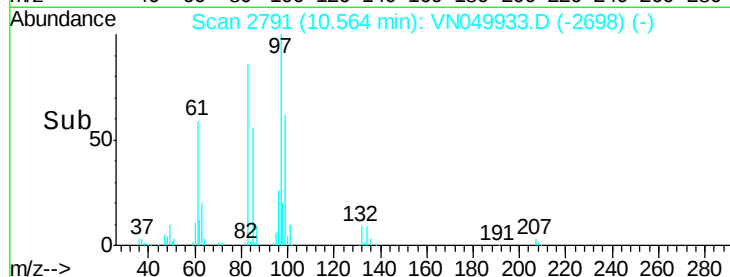
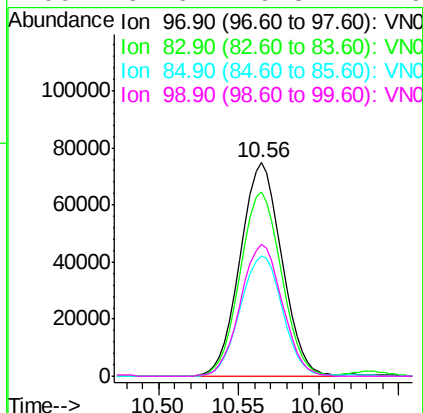
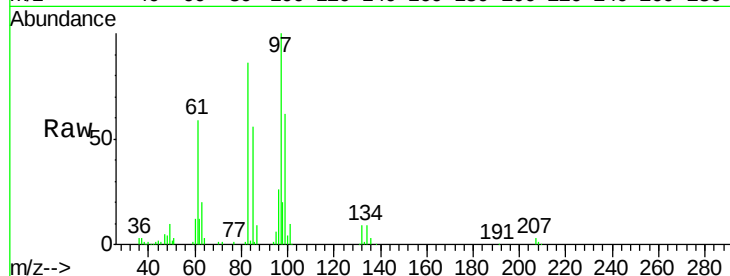




#55
 1,1,2-Trichloroethane
 Concen: 18.79 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

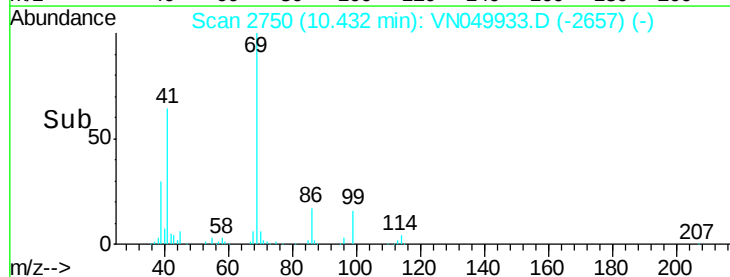
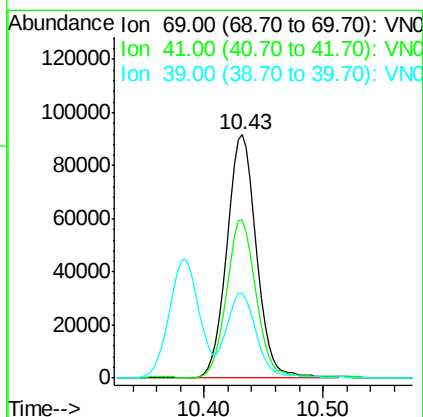
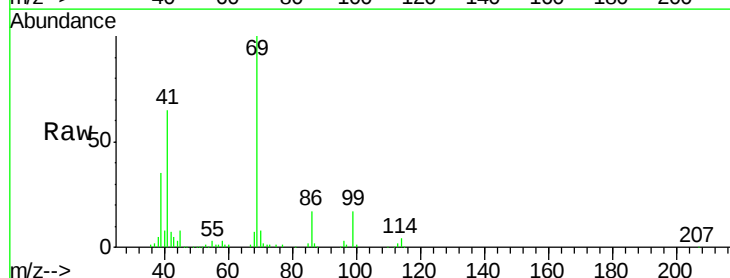
Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS02

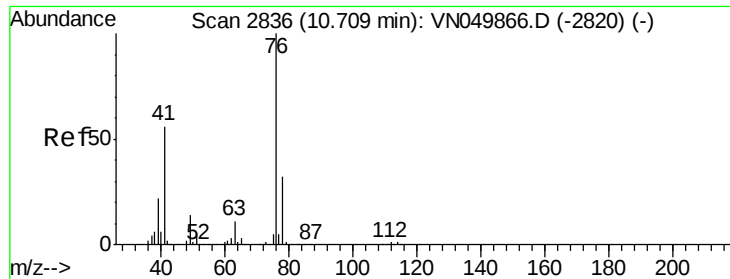
Tot Ion: 97 Resp: 133323
 Ion Ratio Lower Upper
 97 100
 83 86.2 69.0 103.6
 85 56.4 44.9 67.3
 99 61.6 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 18.04 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 69 Resp: 158209
 Ion Ratio Lower Upper
 69 100
 41 64.8 51.6 77.4
 39 34.4 25.8 38.8

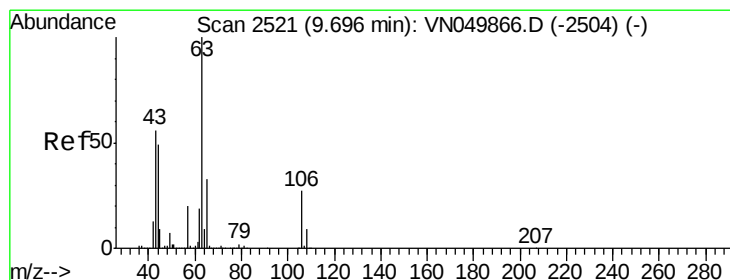
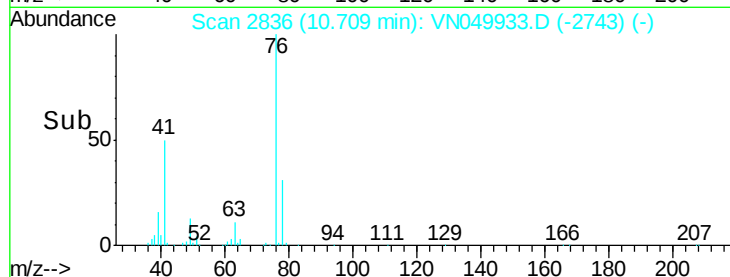
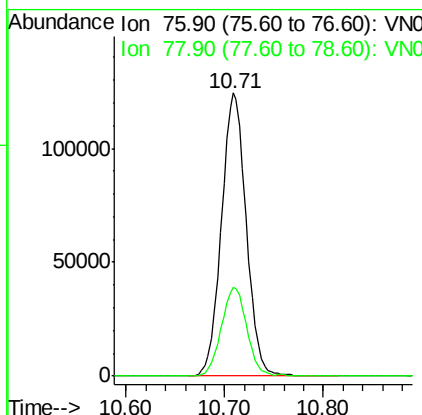
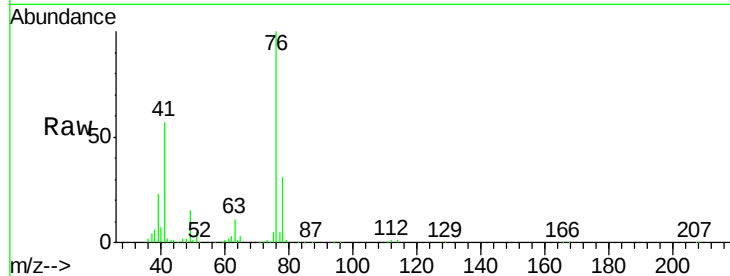




#57
 1,3-Dichloropropane
 Concen: 19.62 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

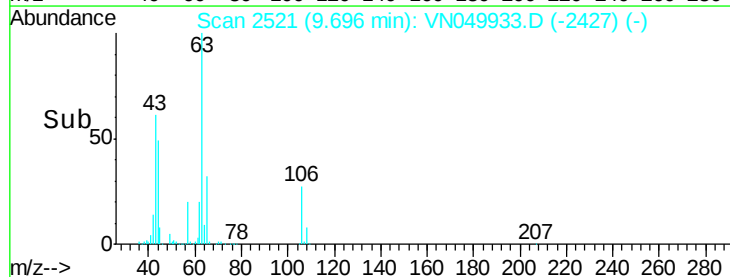
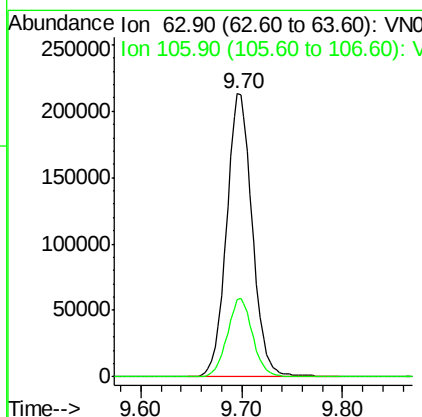
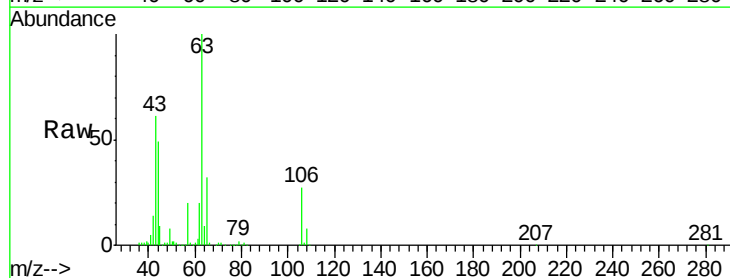
Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS02

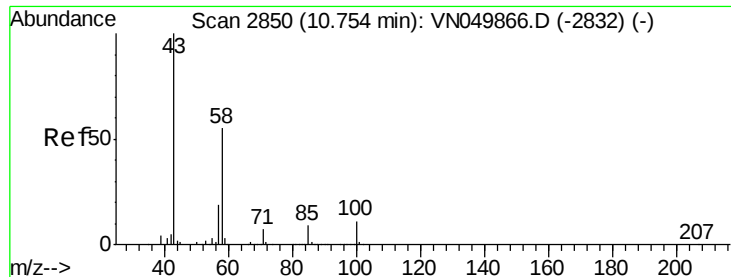
Tot Ion: 76 Resp: 219297
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.12 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 63 Resp: 379307
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8

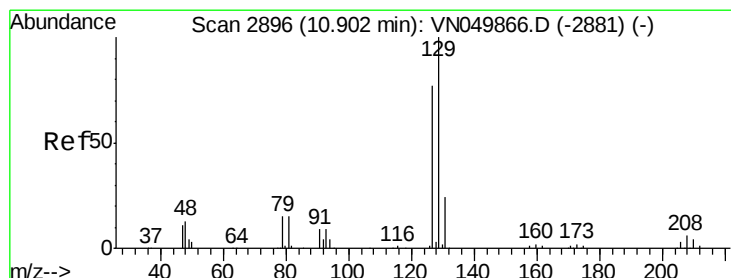
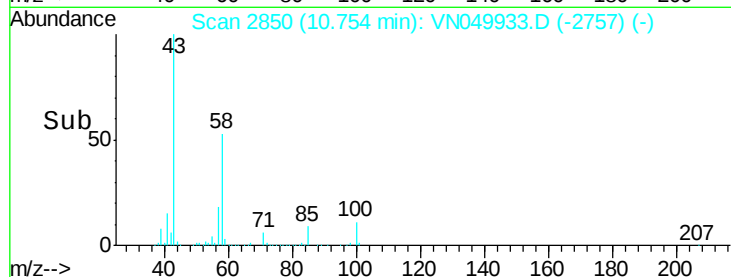
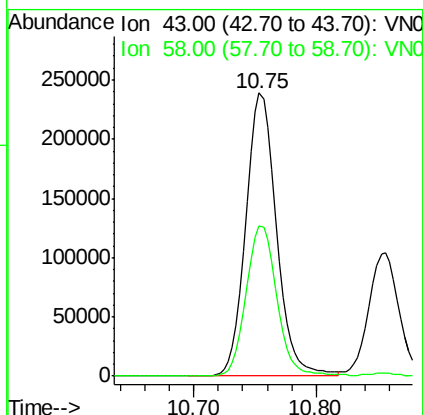
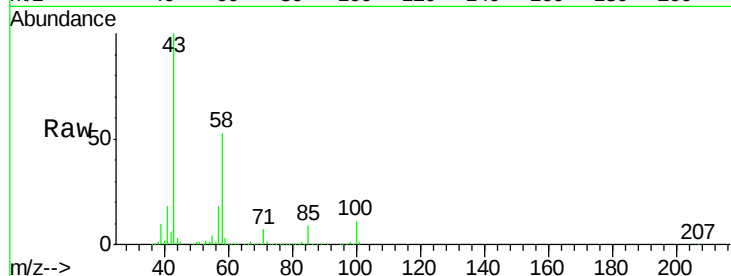




#59
2-Hexanone
Concen: 96.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

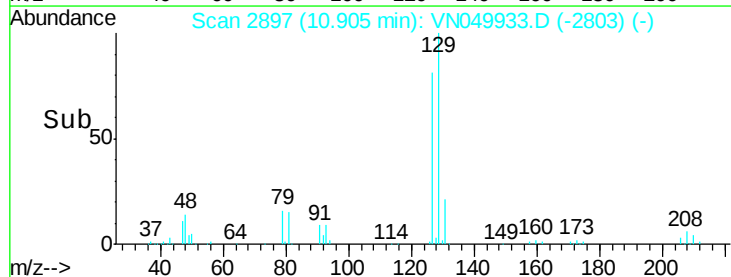
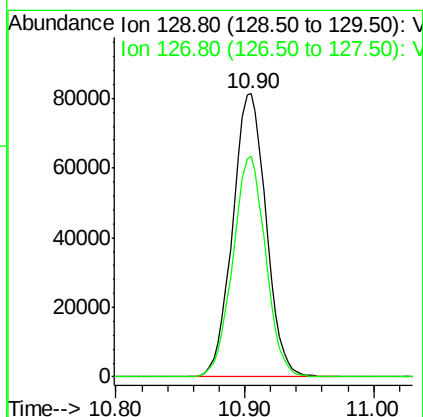
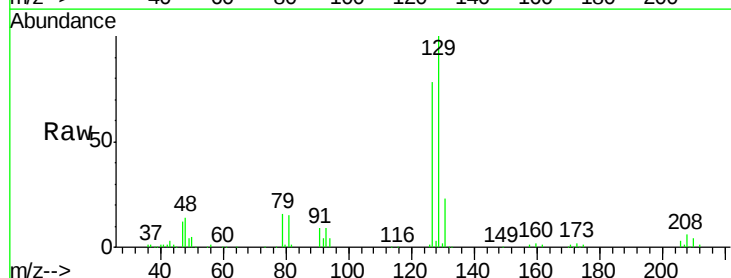
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

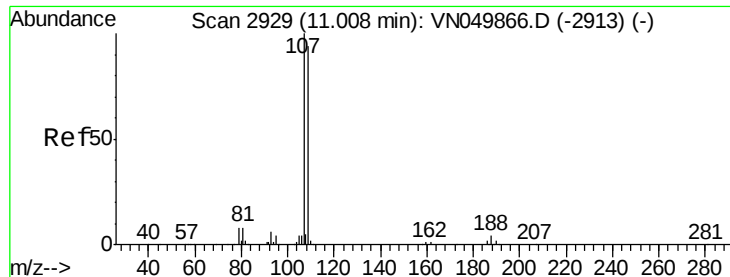
Tot Ion: 43 Resp: 409370
Ion Ratio Lower Upper
43 100
58 53.6 27.8 83.4



#60
Dibromochloromethane
Concen: 18.87 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 129 Resp: 146844
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.9

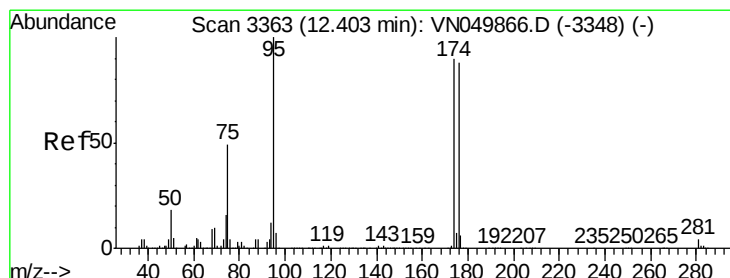
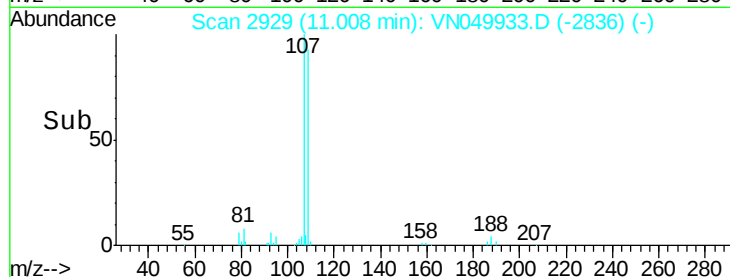
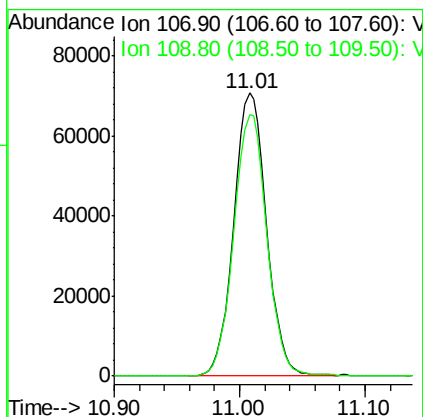
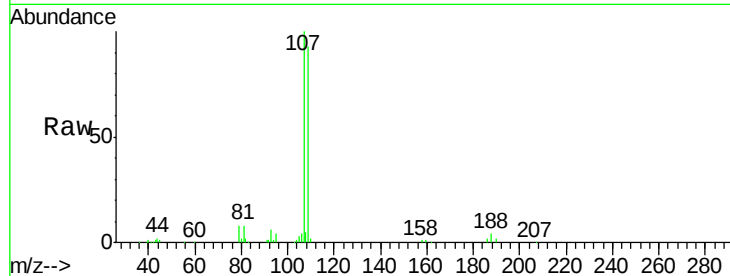




#61
 1,2-Dibromoethane
 Concen: 19.37 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

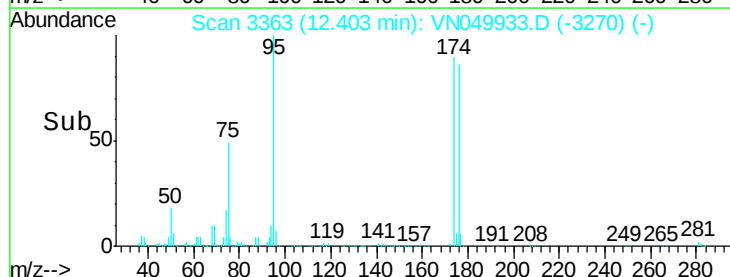
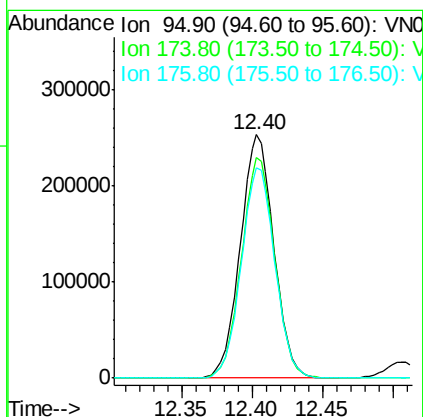
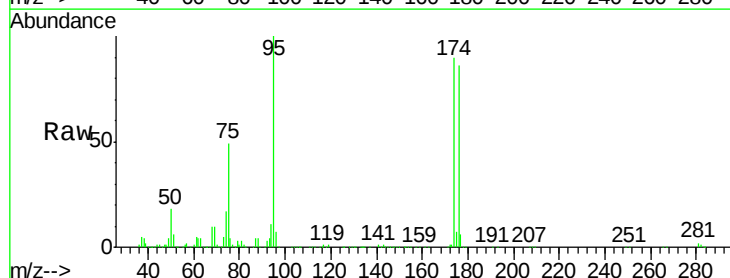
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

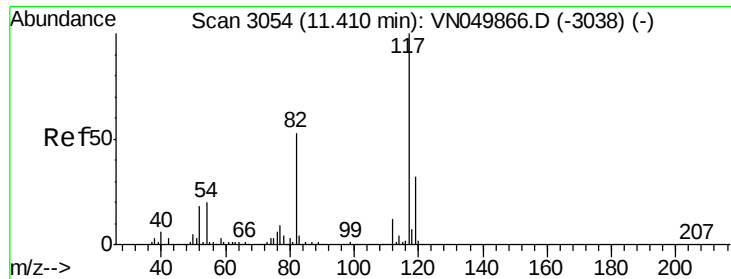
Tot Ion:107 Resp: 128427
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.04 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion: 95 Resp: 421095
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 179.6
 176 86.7 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: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

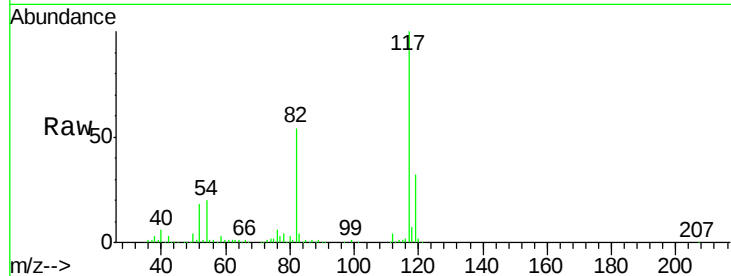
Tot Ion:117 Resp: 748583

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

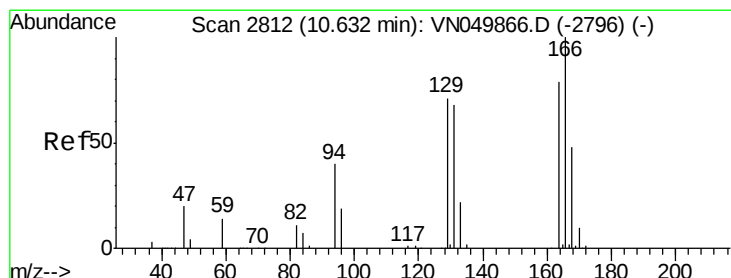
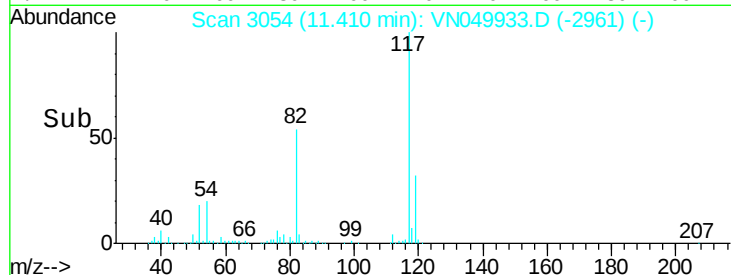
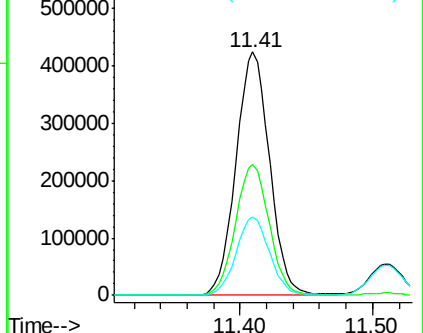
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.42 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion:164 Resp: 130628

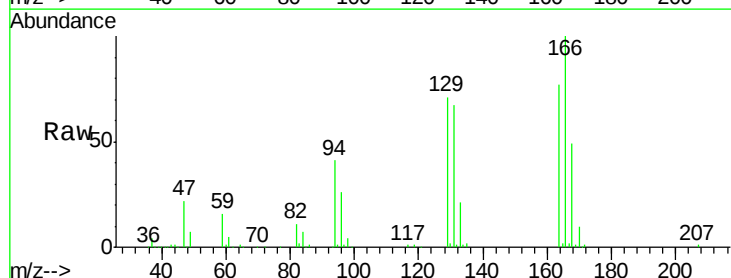
Ion Ratio Lower Upper

164 100

166 130.7 101.8 152.6

129 92.4 72.8 109.2

131 87.2 70.0 105.0

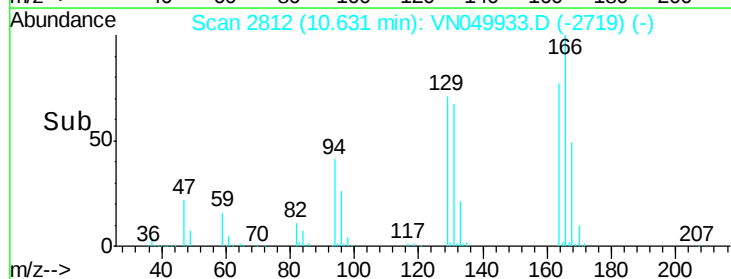
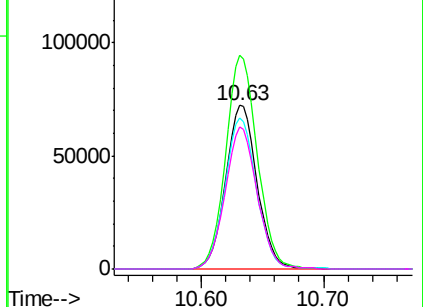


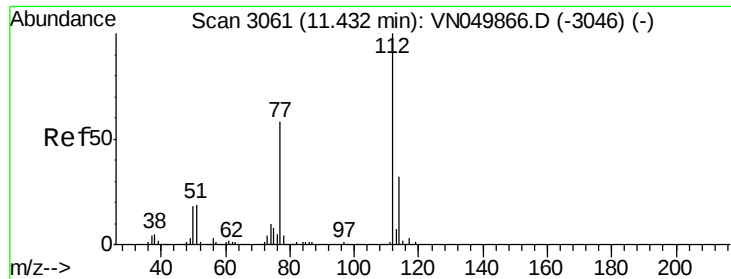
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

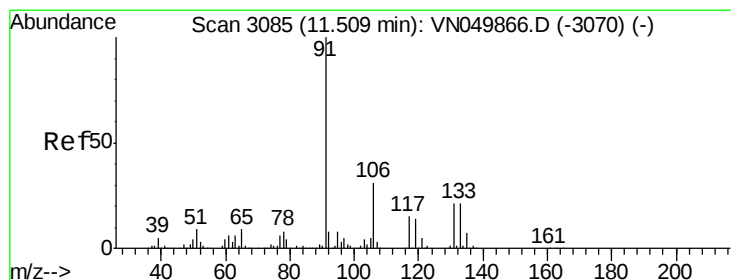
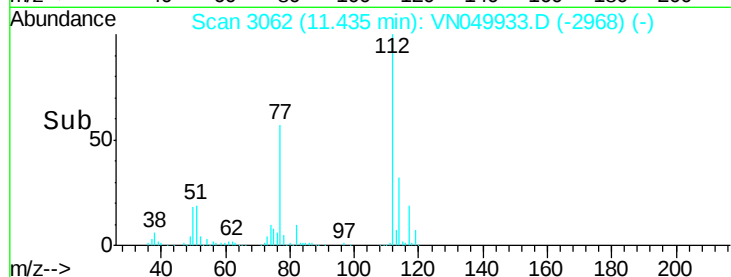
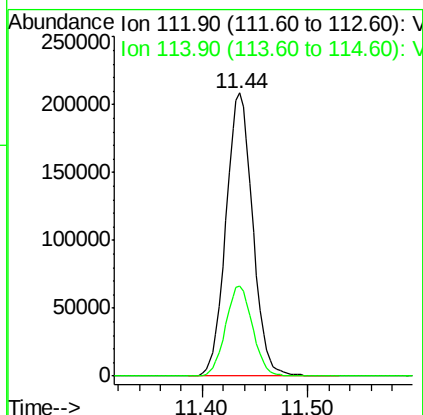
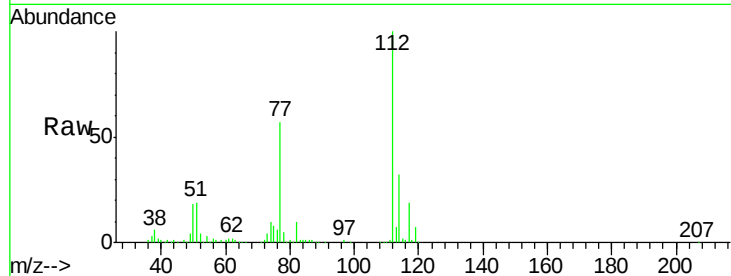




#65
Chlorobenzene
Concen: 19.41 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

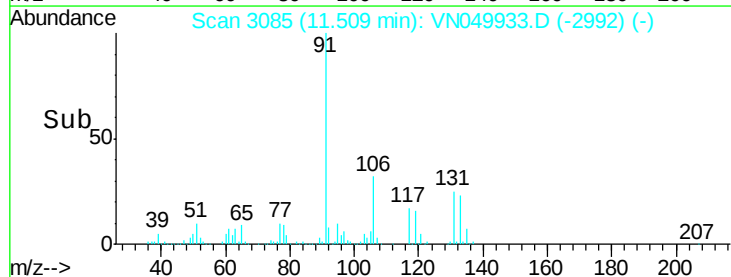
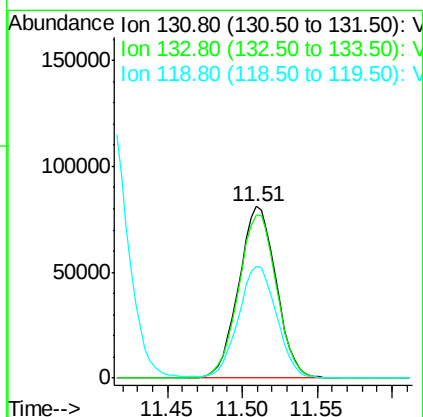
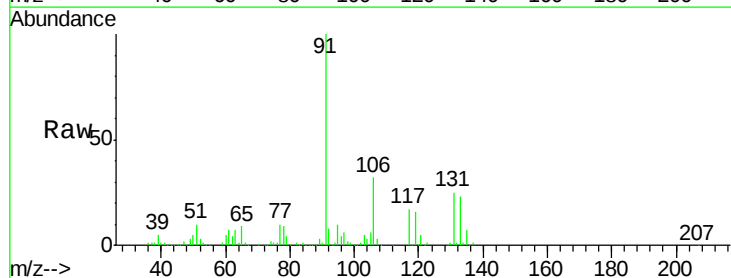
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

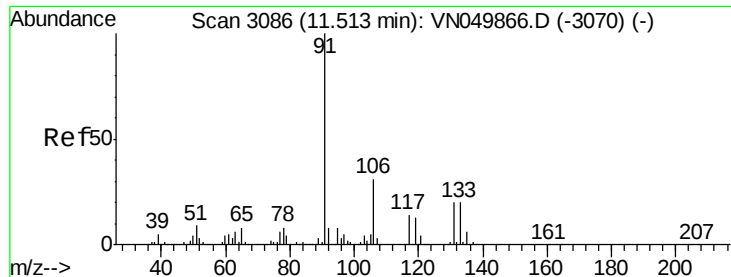
Tot Ion:112 Resp: 365159
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.45 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion:131 Resp: 141686
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.37 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

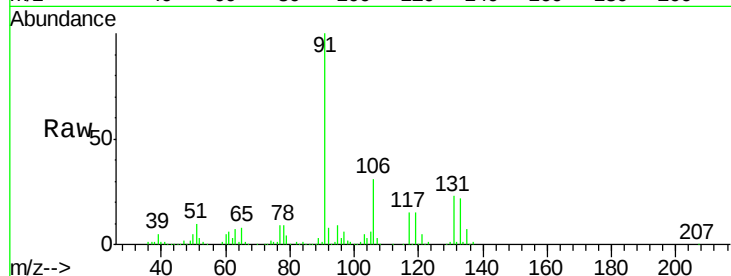
VN0719WBS02

Tot Ion: 91 Resp: 590911

Ion Ratio Lower Upper

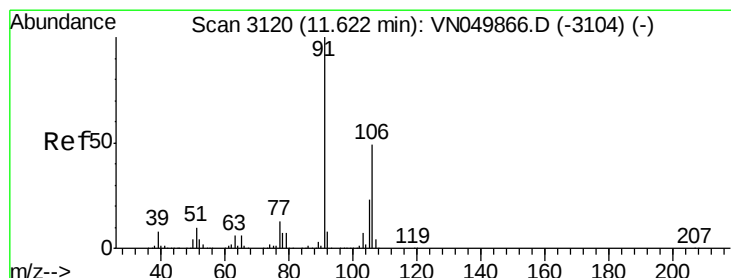
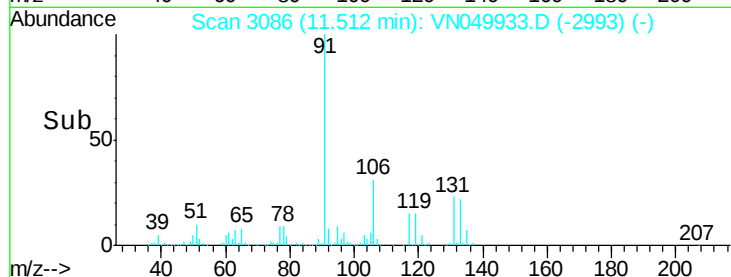
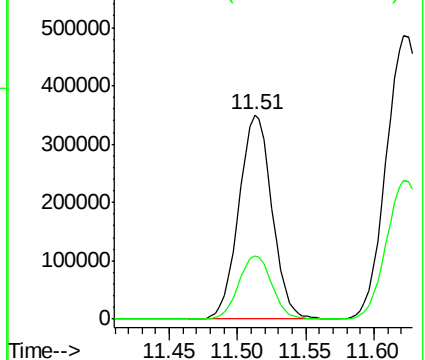
91 100

106 31.2 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN049866.D (-3070) (-)



#68

m/p-Xylenes

Concen: 39.87 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049933.D

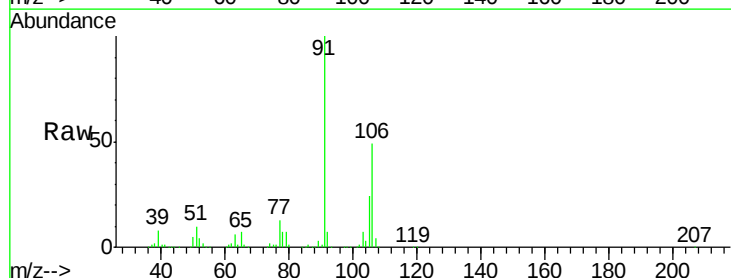
Acq: 19 Jul 2018 23:21

Tgt Ion: 106 Resp: 460488

Ion Ratio Lower Upper

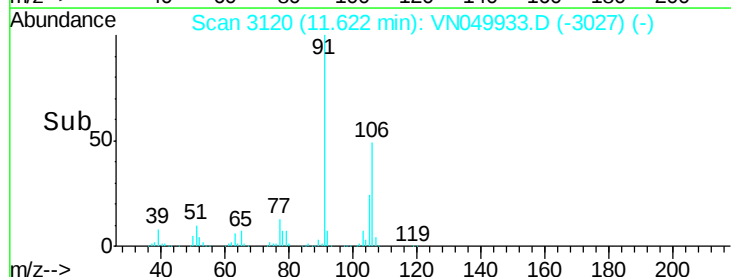
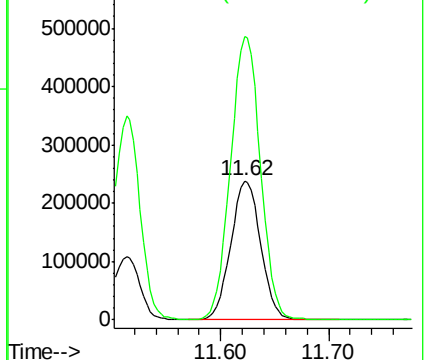
106 100

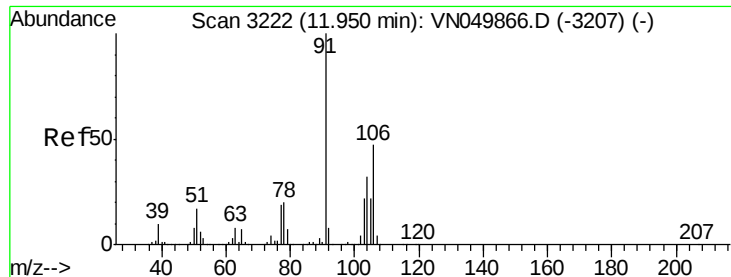
91 203.3 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049866.D (-3104) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-3104) (-)

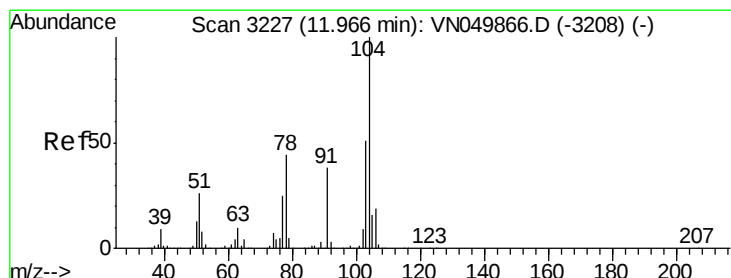
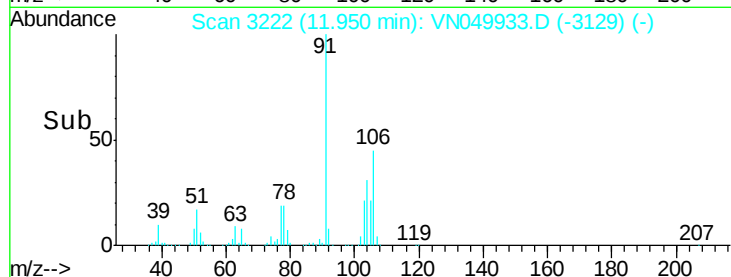
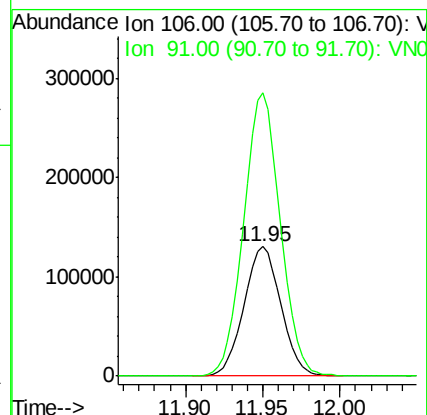
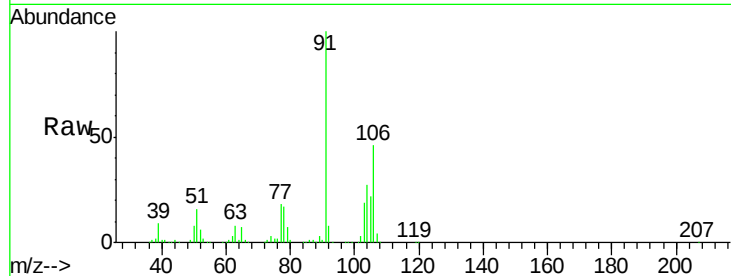




#69
o-Xylene
Concen: 19.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

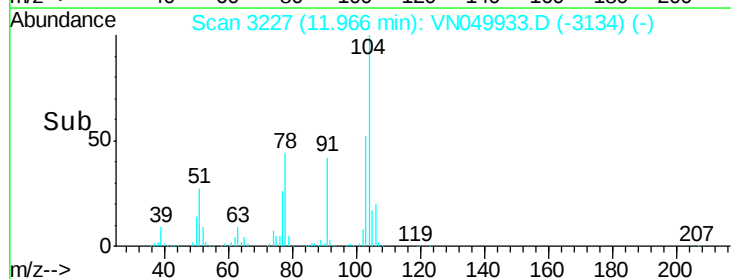
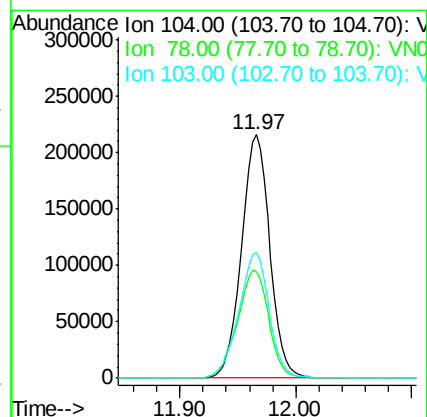
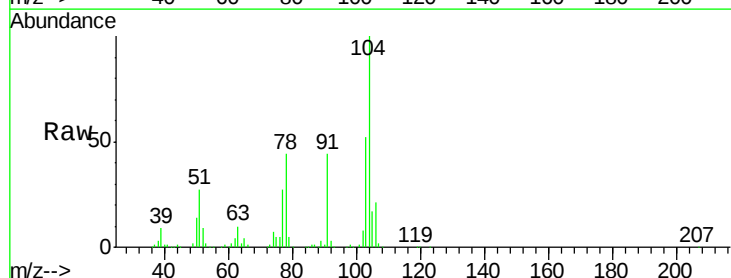
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS02

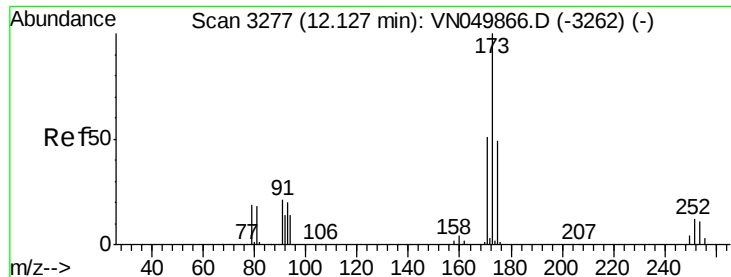
Tot Ion:106 Resp: 217417
Ion Ratio Lower Upper
106 100
91 216.7 108.7 326.1



#70
Styrene
Concen: 20.26 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion:104 Resp: 364097
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 55.5 44.6 67.0





#71

Bromoform

Concen: 19.34 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

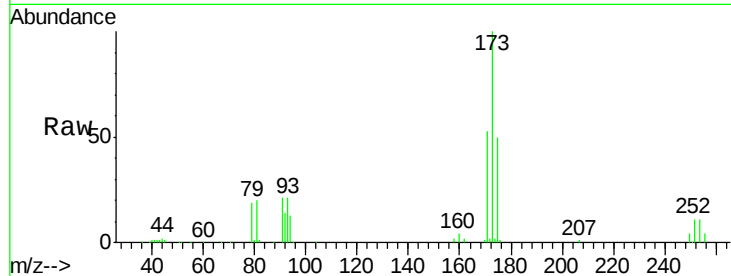
Tot Ion:173 Resp: 100791

Ion Ratio Lower Upper

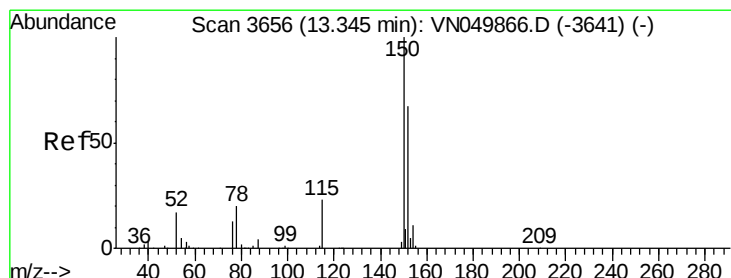
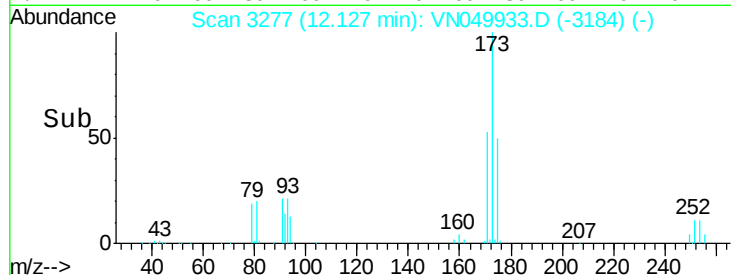
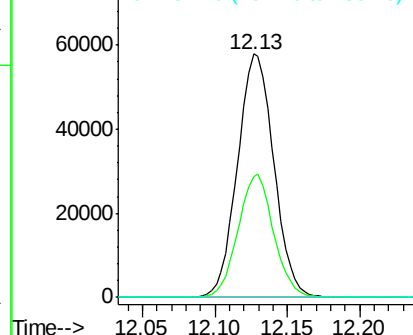
173 100

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: VN049933.D

Acq: 19 Jul 2018 23:21

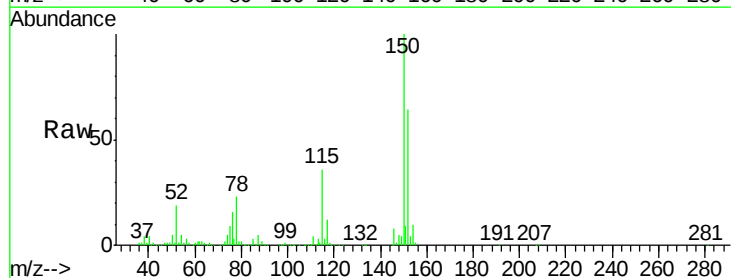
Tgt Ion:152 Resp: 381973

Ion Ratio Lower Upper

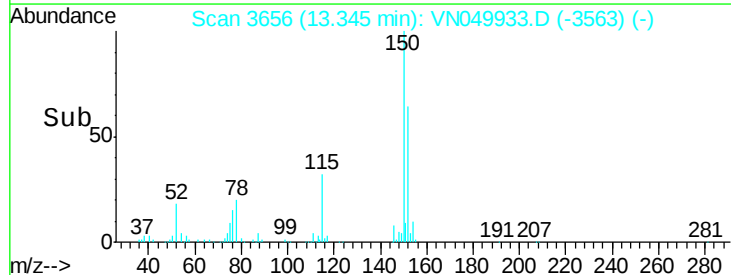
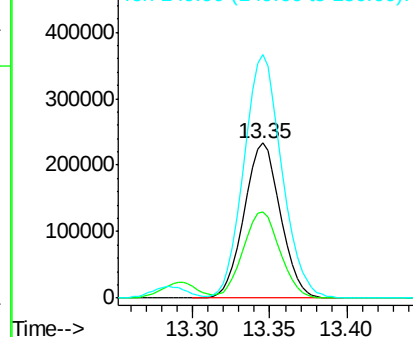
152 100

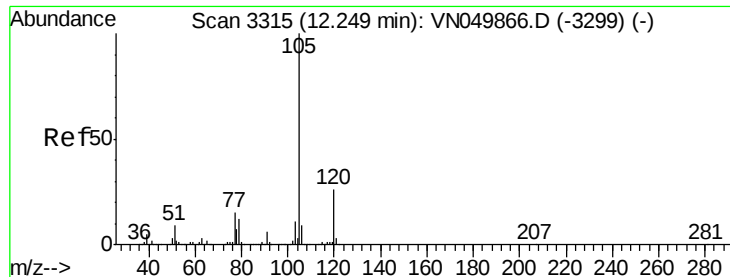
115 56.6 28.1 84.2

150 164.0 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: 20.23 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

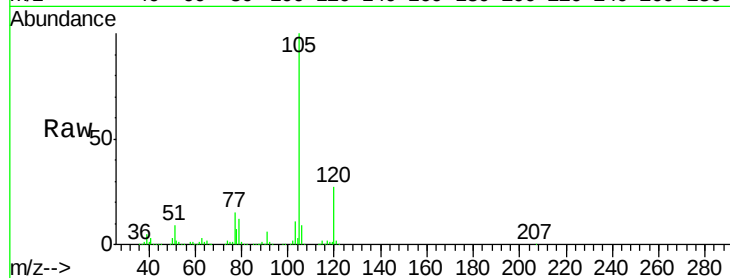
VN0719WBS02

Tot Ion:105 Resp: 586954

Ion Ratio Lower Upper

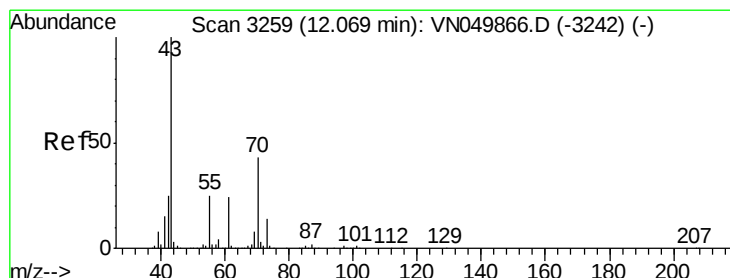
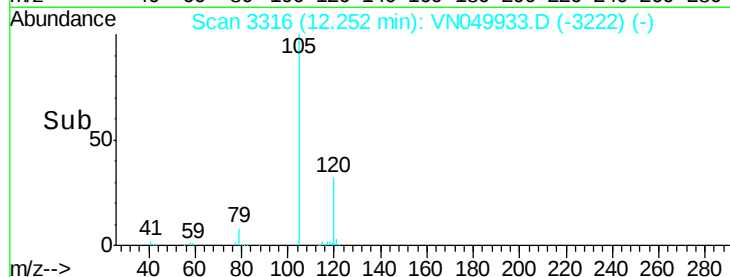
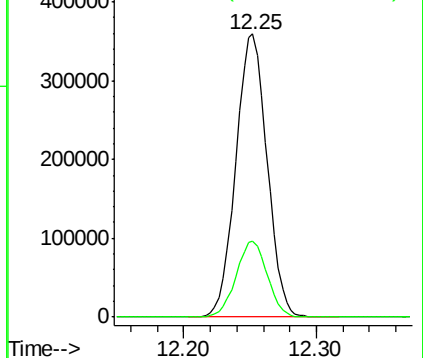
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.46 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Tgt Ion: 43 Resp: 171880

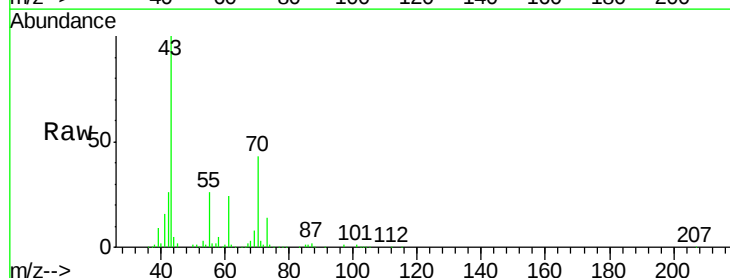
Ion Ratio Lower Upper

43 100

70 43.5 34.8 52.2

55 27.6 20.9 31.3

61 24.1 19.9 29.9

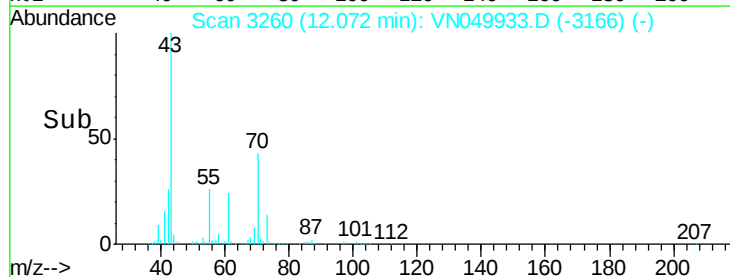
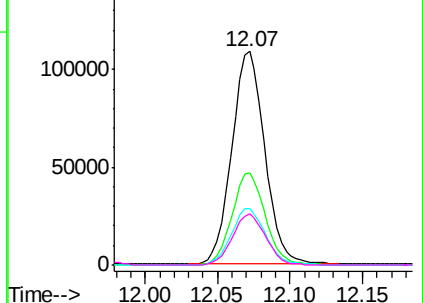


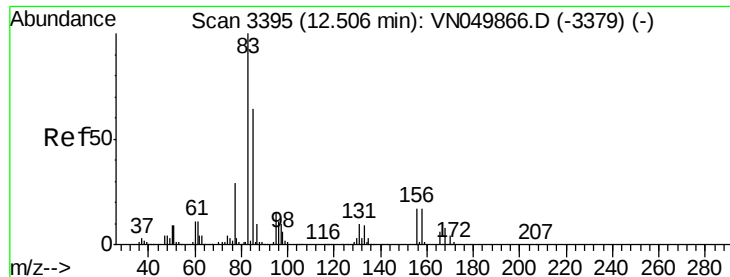
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.73 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS02

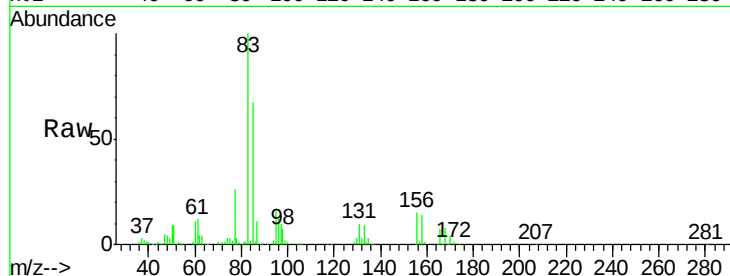
Tot Ion: 83 Resp: 171543

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

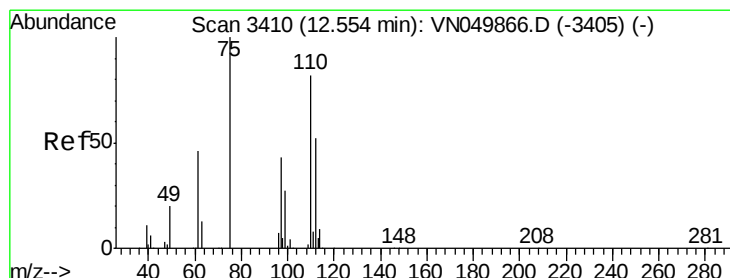
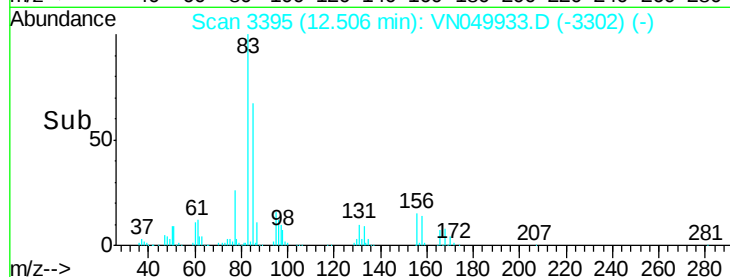
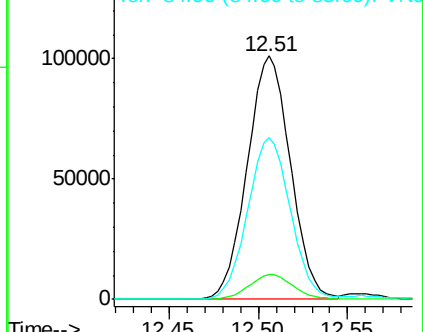
85 65.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 27.86 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049933.D

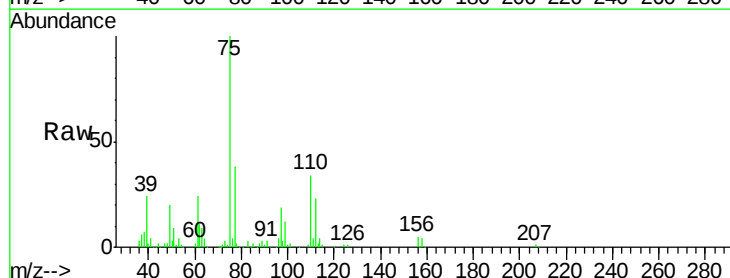
Acq: 19 Jul 2018 23:21

Tgt Ion: 75 Resp: 199626

Ion Ratio Lower Upper

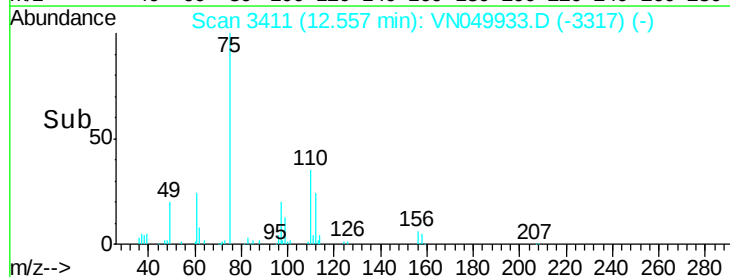
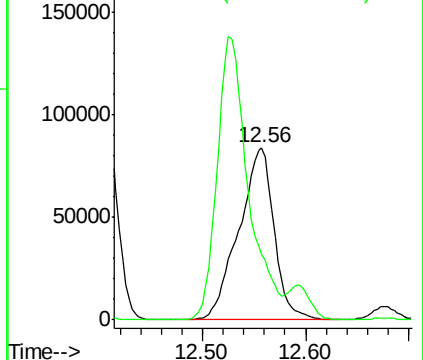
75 100

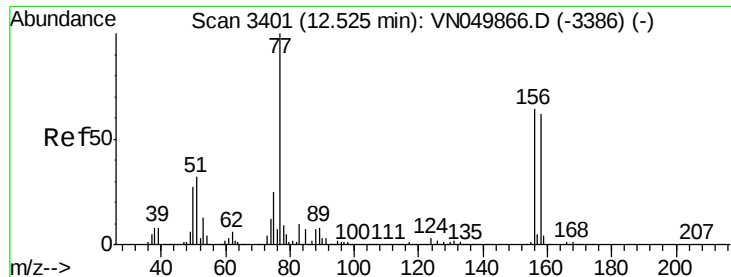
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.65 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

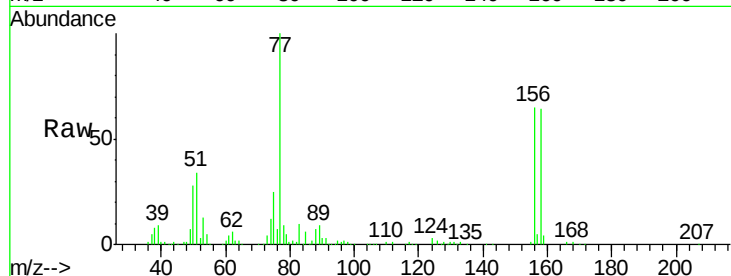
Tot Ion:156 Resp: 157469

Ion Ratio Lower Upper

156 100

77 184.2 90.2 270.6

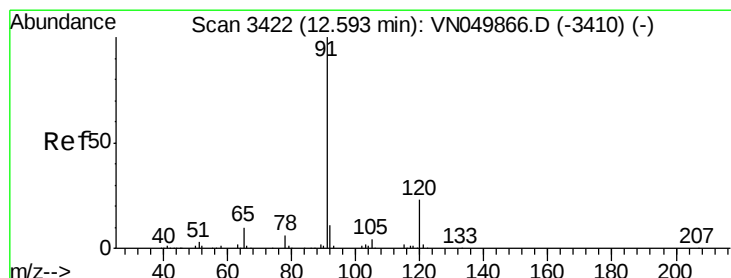
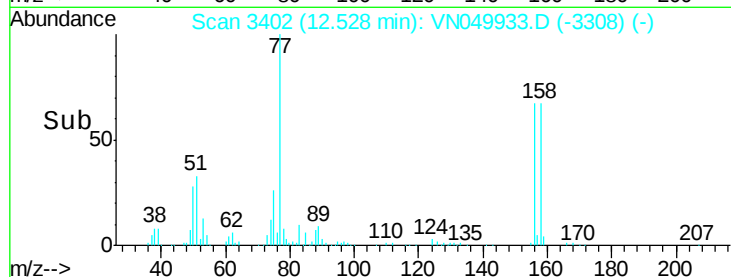
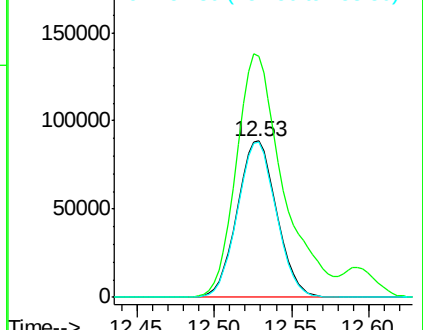
158 97.4 49.1 147.3



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: 20.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049933.D

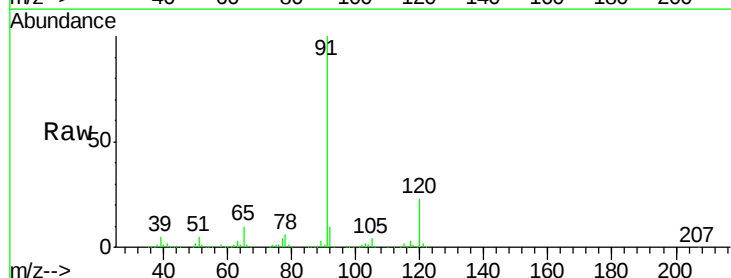
Acq: 19 Jul 2018 23:21

Tgt Ion: 91 Resp: 666205

Ion Ratio Lower Upper

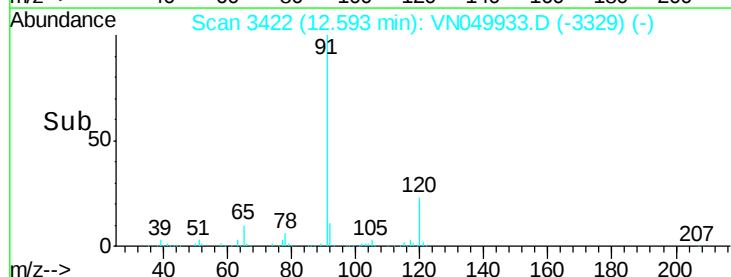
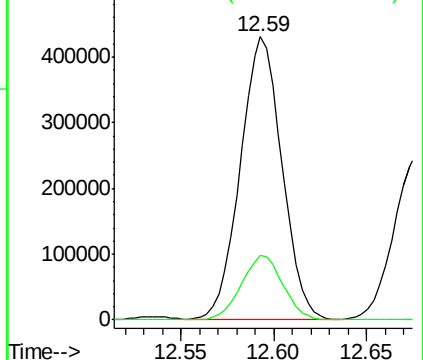
91 100

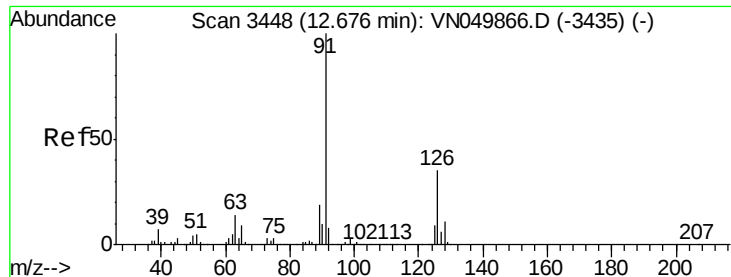
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.38 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

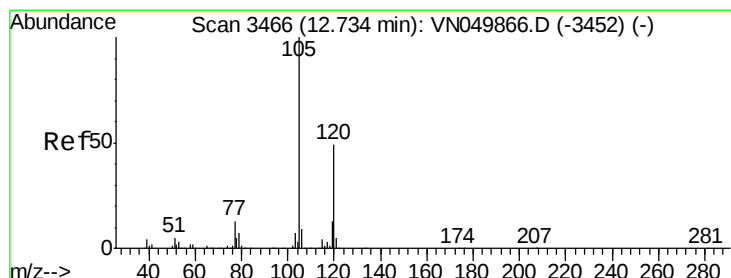
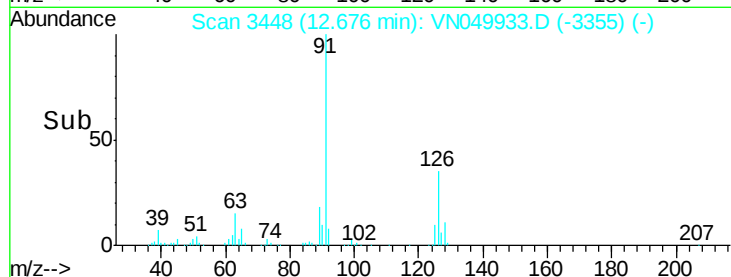
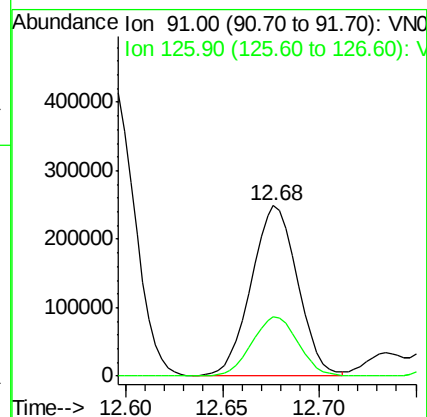
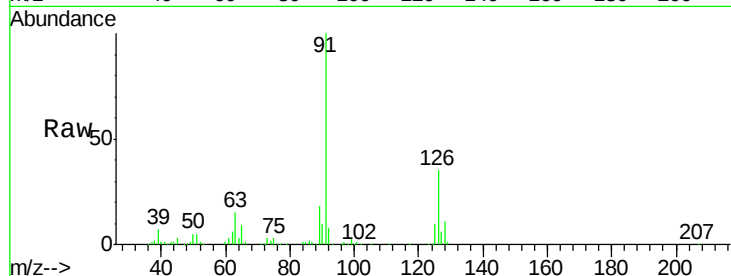
VN0719WBS02

Tot Ion: 91 Resp: 412776

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 20.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049933.D

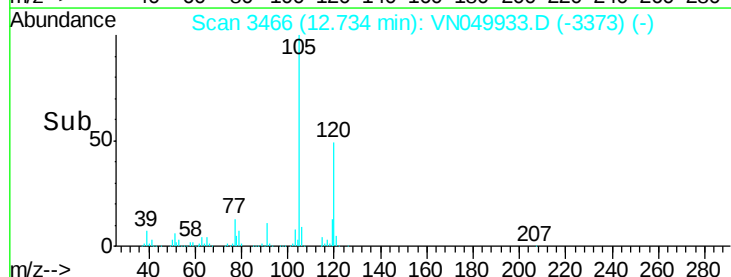
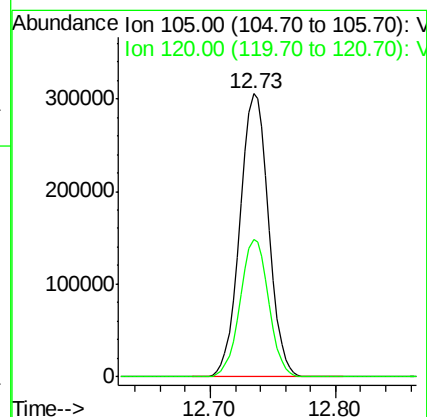
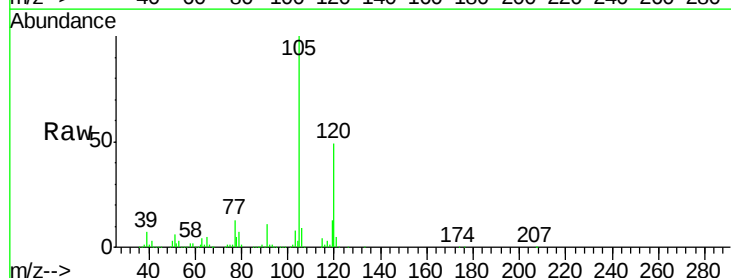
Acq: 19 Jul 2018 23:21

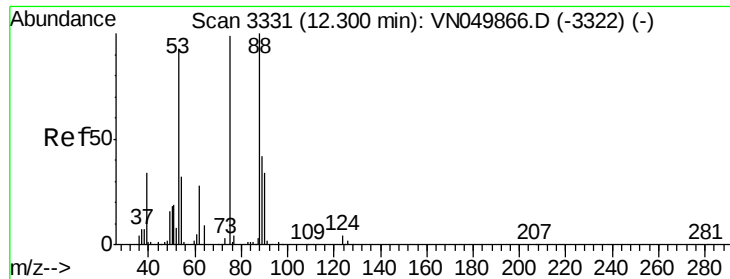
Tgt Ion: 105 Resp: 483815

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.98 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

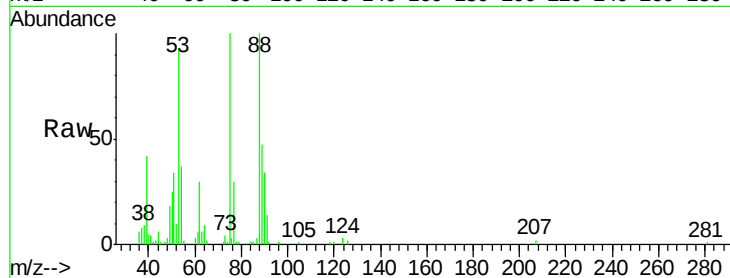
Tot Ion: 75 Resp: 41201

Ion Ratio Lower Upper

75 100

53 95.5 73.9 110.9

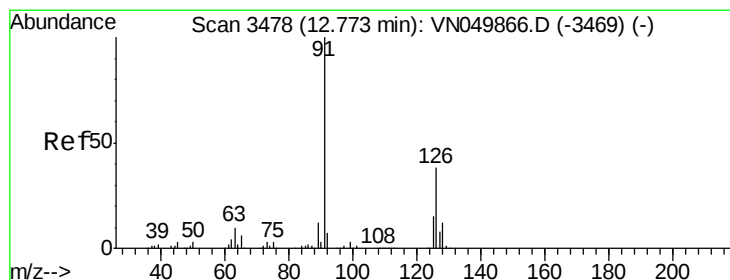
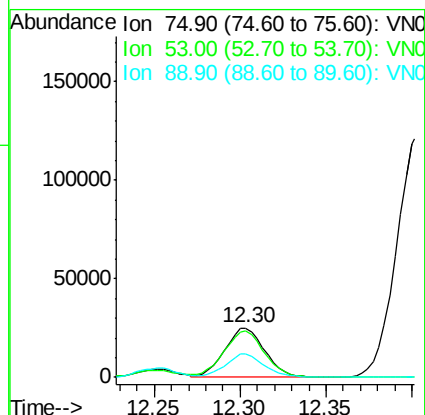
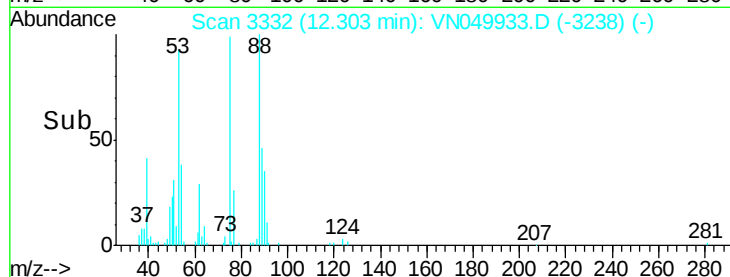
89 44.9 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.08 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049933.D

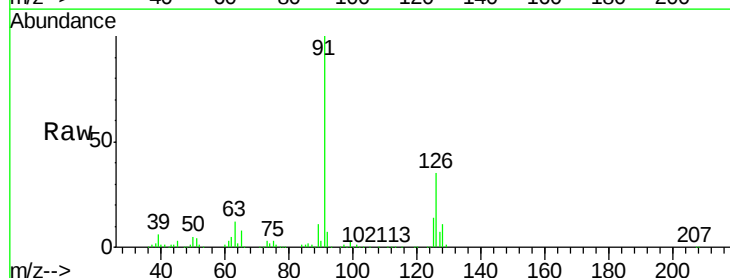
Acq: 19 Jul 2018 23:21

Tgt Ion: 91 Resp: 408066

Ion Ratio Lower Upper

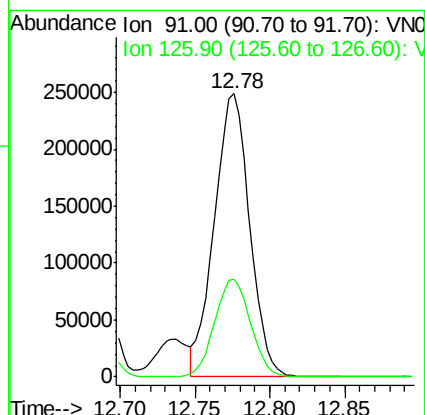
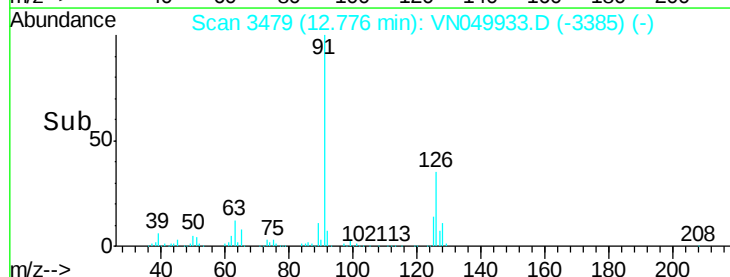
91 100

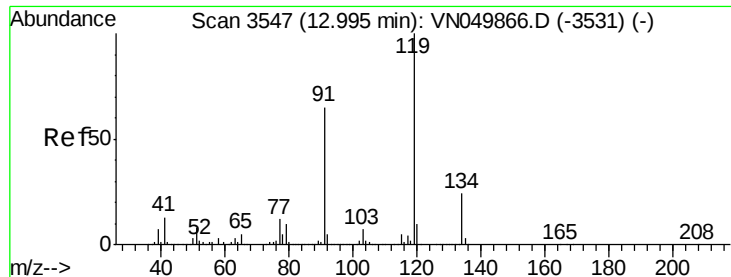
126 35.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

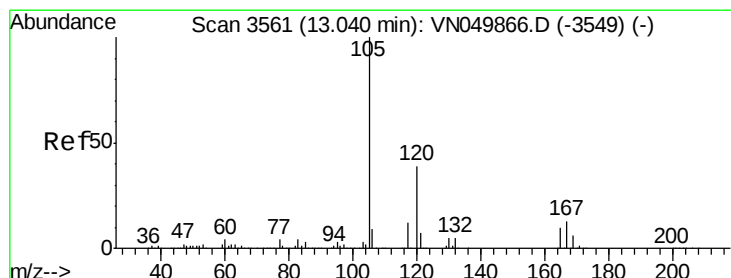
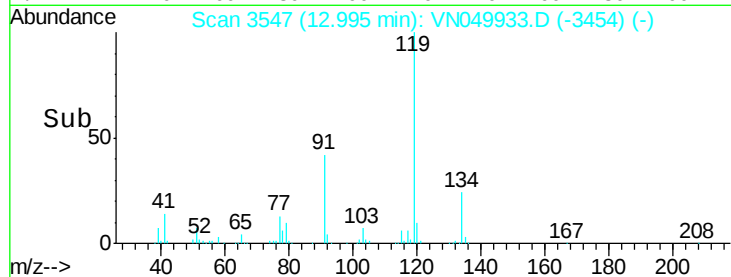
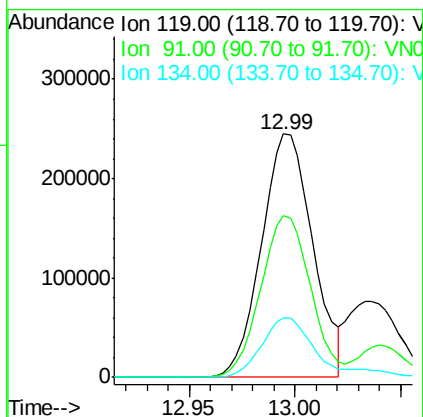
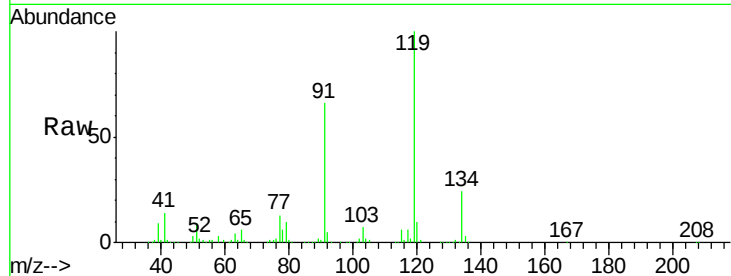




#83
 tert-Butylbenzene
 Concen: 20.28 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

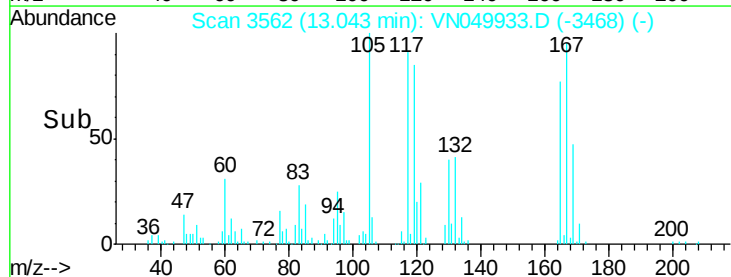
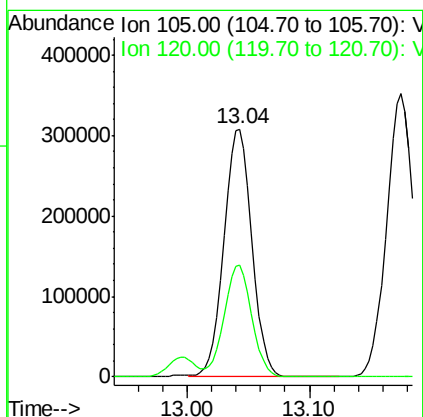
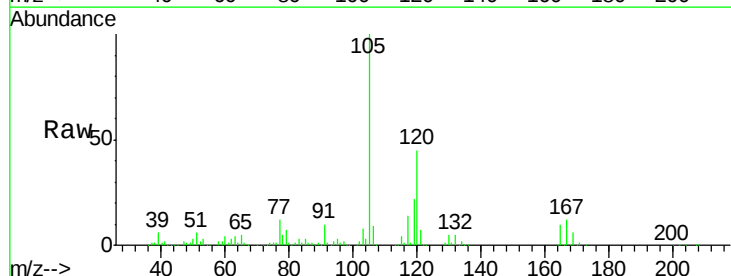
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

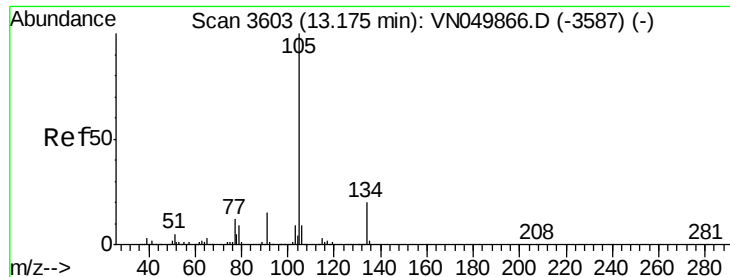
Tot Ion:119 Resp: 414188
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.0 96.2
 134 26.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.06 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion:105 Resp: 496155
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

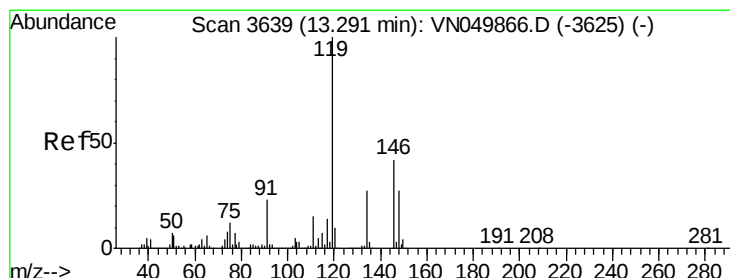
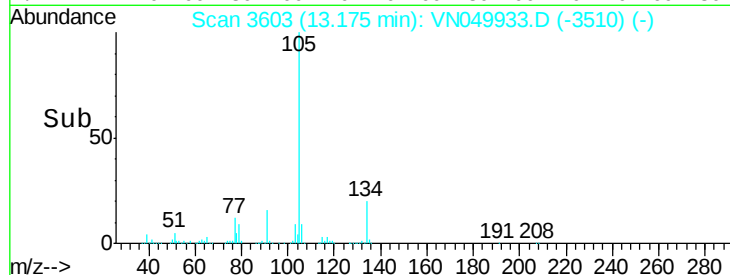
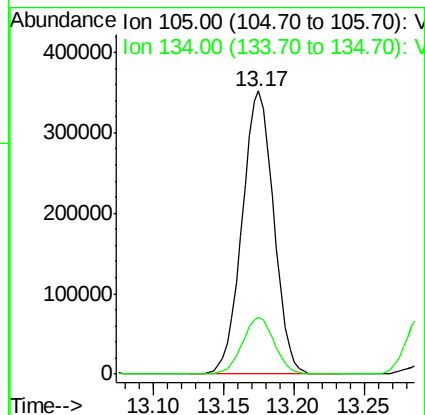
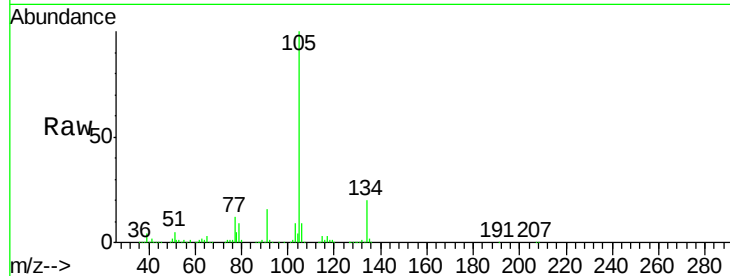
VN0719WBS02

Tot Ion:105 Resp: 552093

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



#86

p-Isopropyltoluene

Concen: 20.07 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

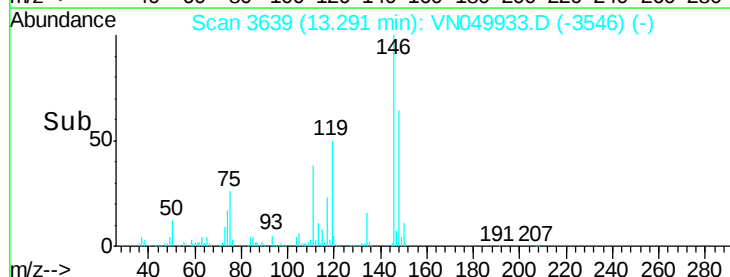
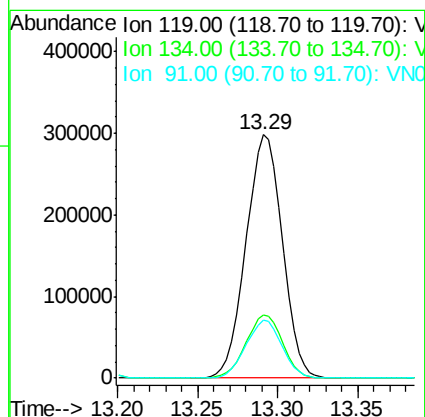
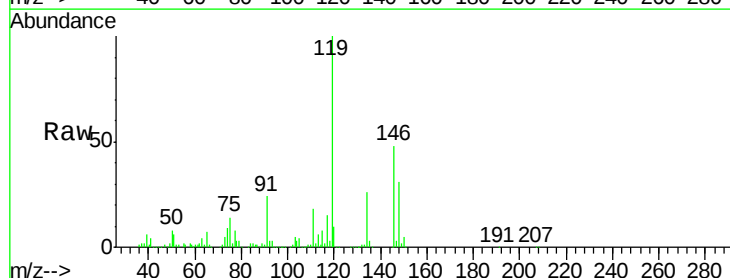
Tgt Ion:119 Resp: 461862

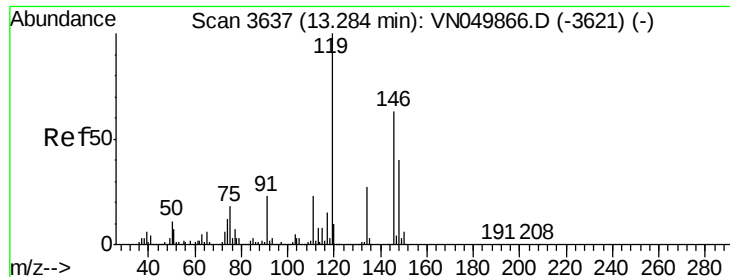
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 23.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 19.48 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

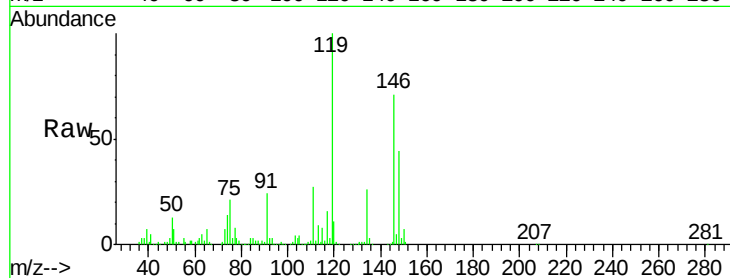
Tot Ion:146 Resp: 271929

Ion Ratio Lower Upper

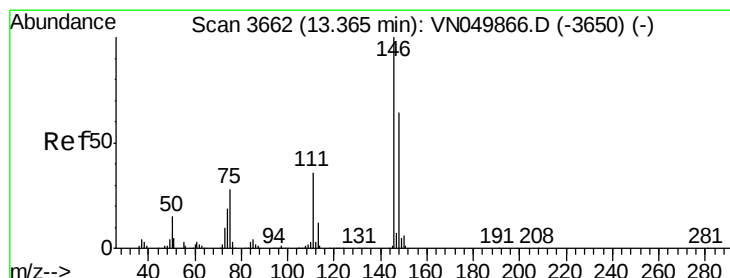
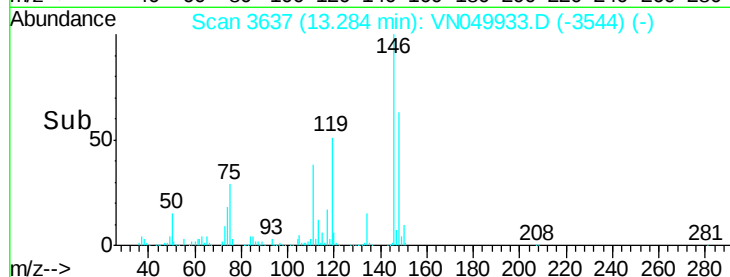
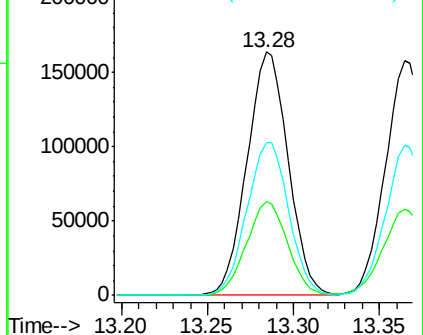
146 100

111 38.4 19.0 57.0

148 63.9 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 18.80 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

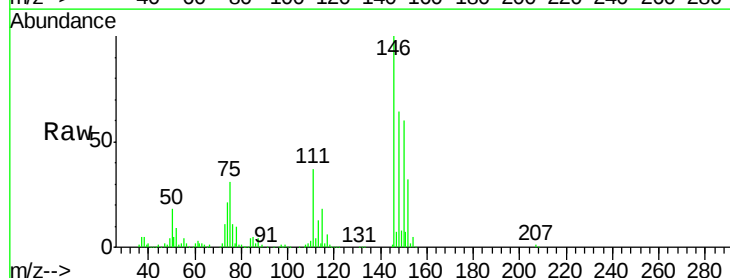
Tgt Ion:146 Resp: 263184

Ion Ratio Lower Upper

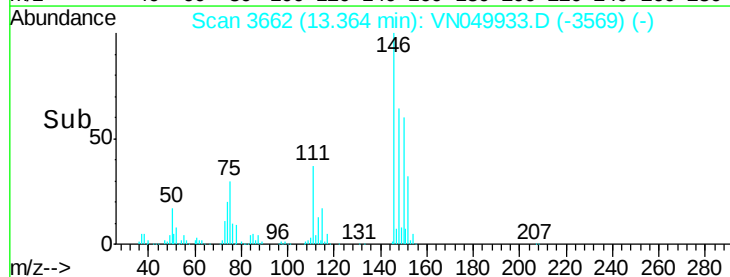
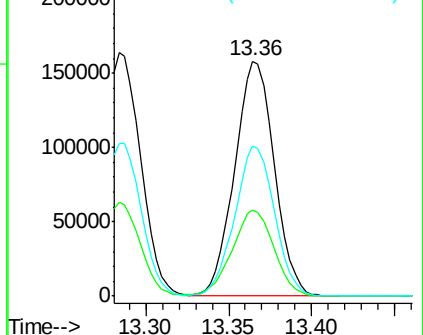
146 100

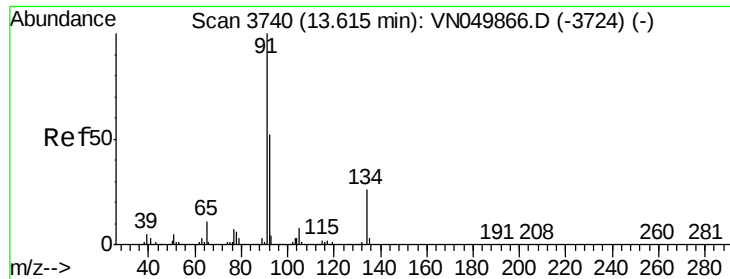
111 38.7 18.9 56.5

148 64.0 32.1 96.3



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

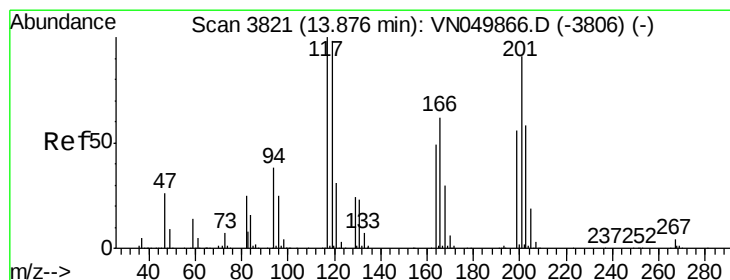
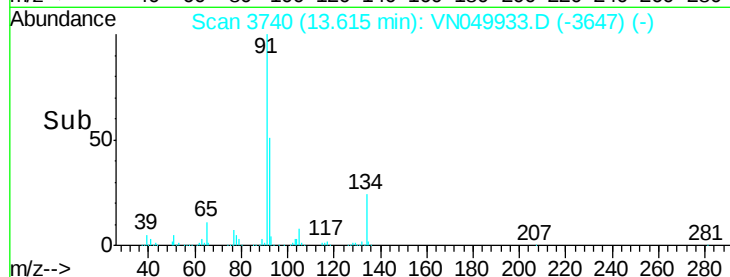
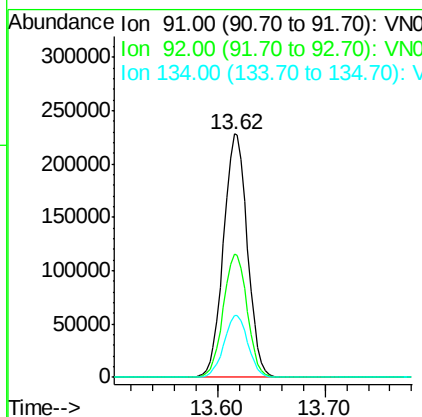
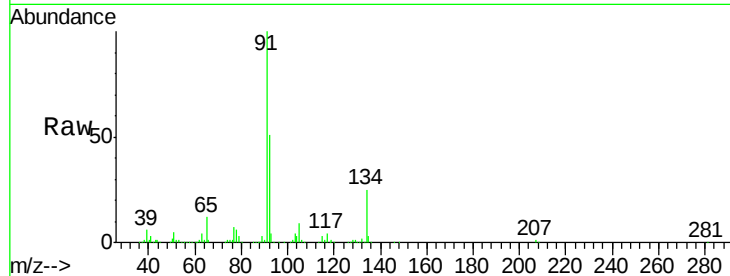




#89
n-Butylbenzene
Concen: 18.56 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

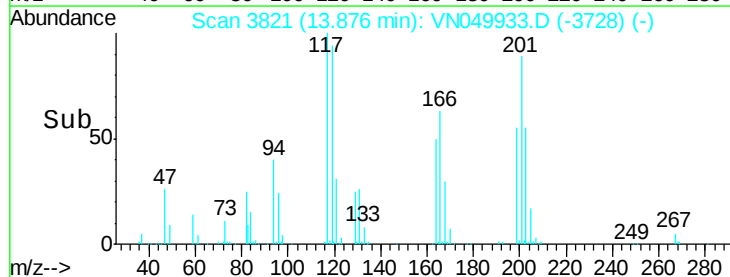
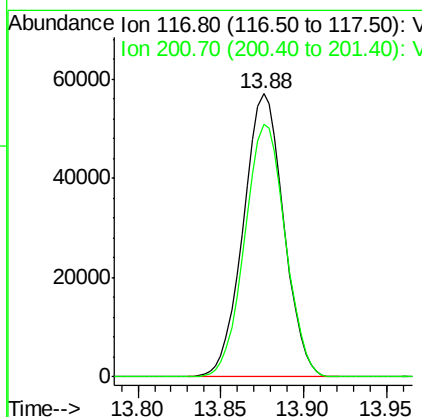
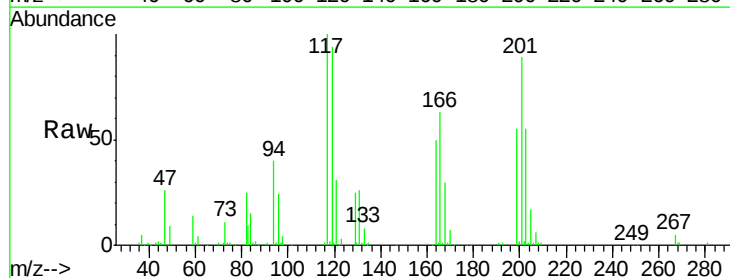
Instrument :
MSVOA_N
ClientSampled :
VN0719WBS02

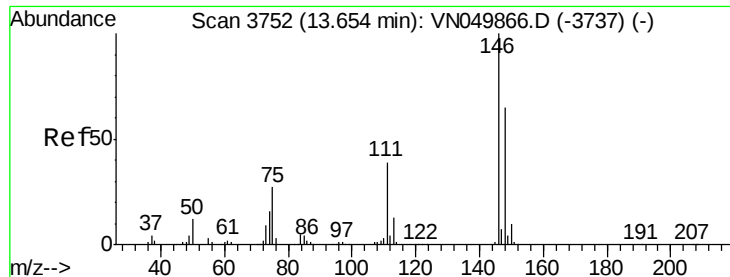
Tot Ion: 91 Resp: 352520
Ion Ratio Lower Upper
91 100
92 50.5 25.8 77.3
134 25.5 13.0 38.9



#90
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049933.D
Acq: 19 Jul 2018 23:21

Tgt Ion: 117 Resp: 96422
Ion Ratio Lower Upper
117 100
201 89.9 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 19.83 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

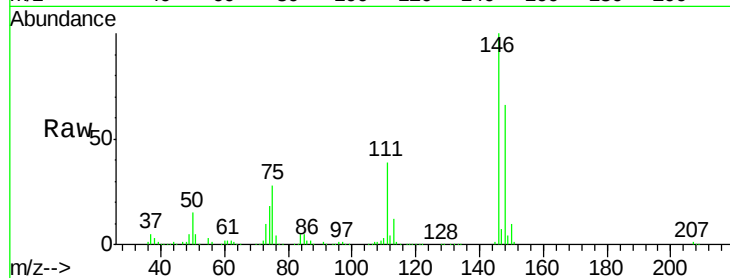
Tot Ion:146 Resp: 272166

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.1

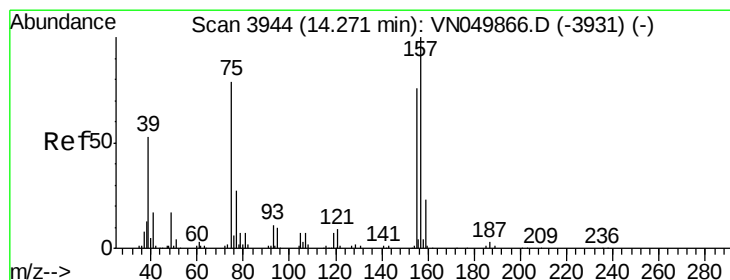
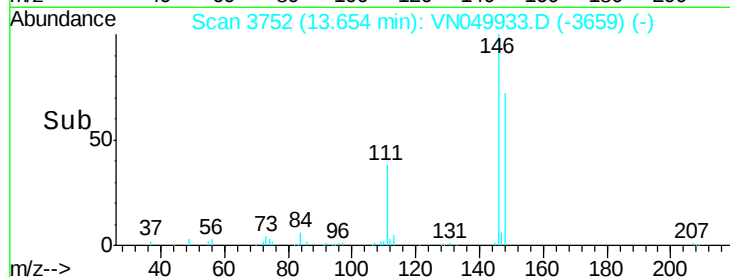
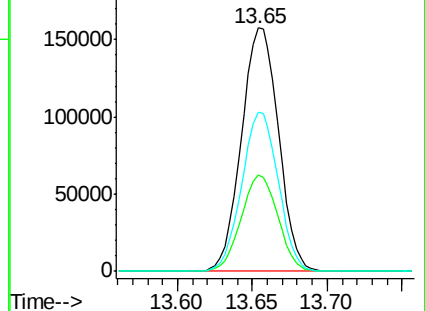
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.81 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

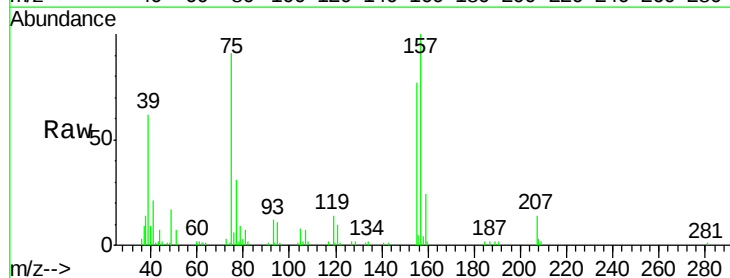
Tgt Ion: 75 Resp: 26602

Ion Ratio Lower Upper

75 100

155 85.8 45.7 137.1

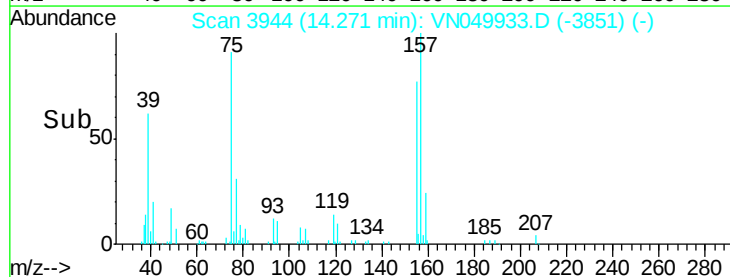
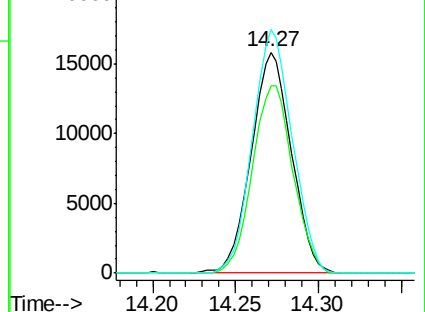
157 109.5 56.9 170.7

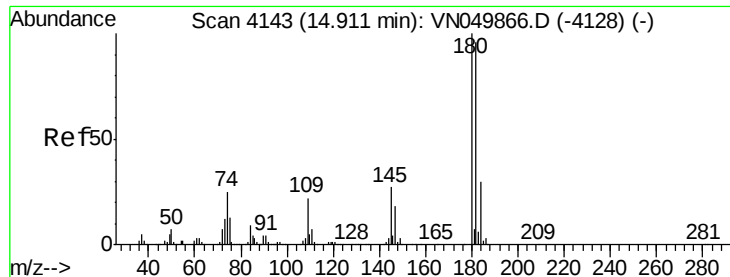


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

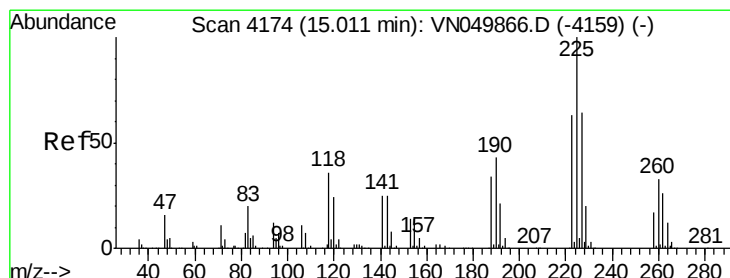
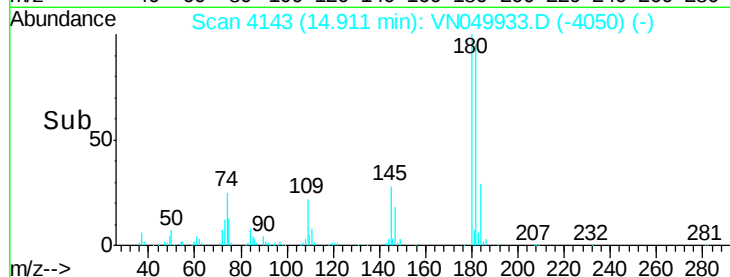
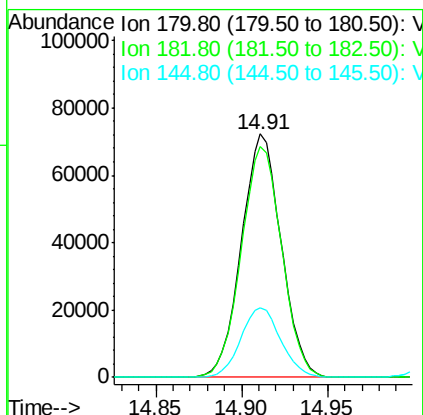
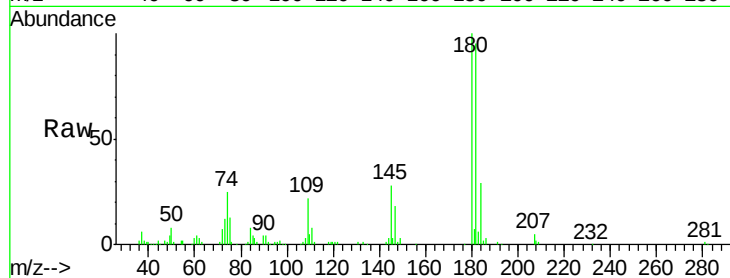




#93
 1,2,4-Trichlorobenzene
 Concen: 17.77 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

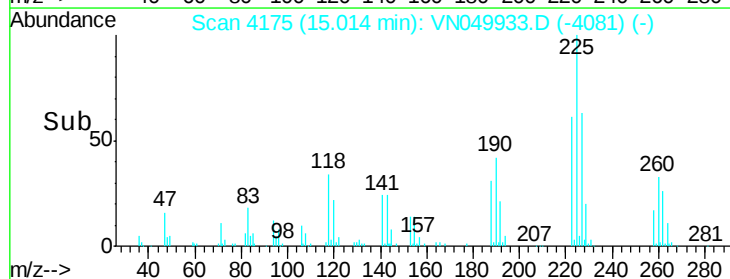
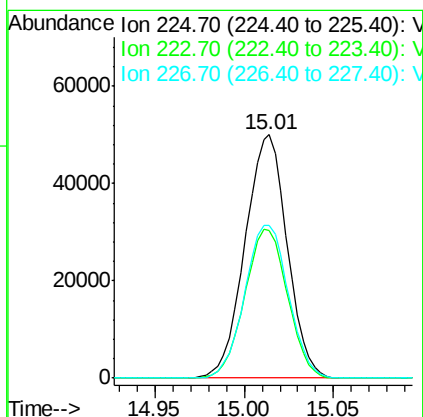
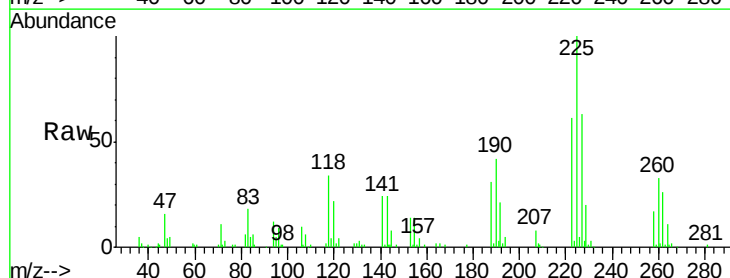
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

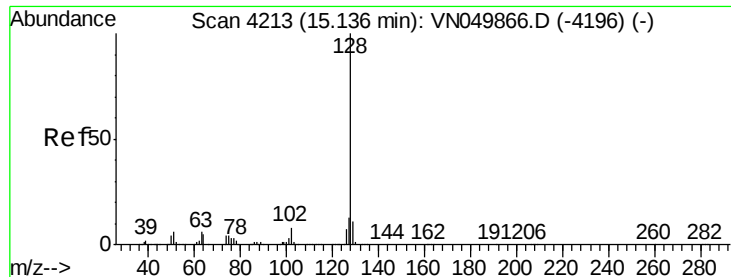
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	28.7	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 18.35 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049933.D
 Acq: 19 Jul 2018 23:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	65.0	31.8	95.4





#95

Naphthalene

Concen: 16.93 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS02

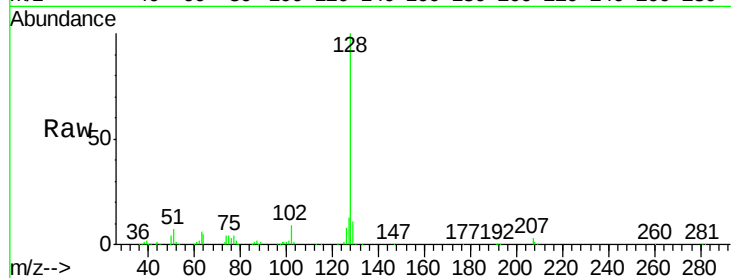
Tot Ion:128 Resp: 247226

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

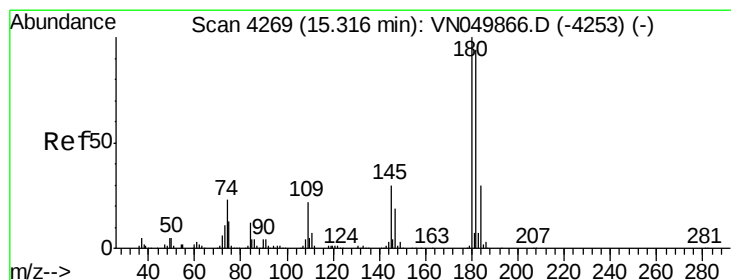
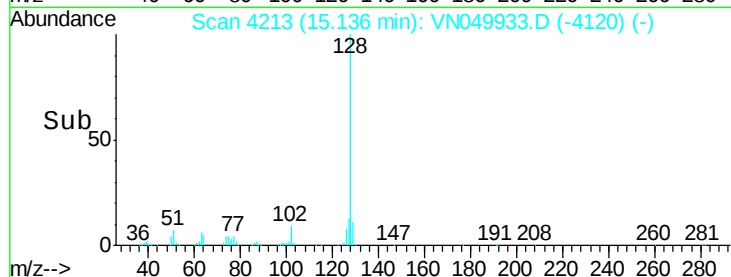
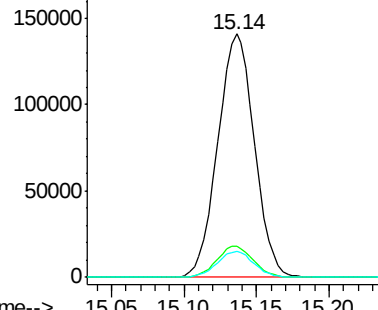
129 10.7 8.6 13.0



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: 18.53 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049933.D

Acq: 19 Jul 2018 23:21

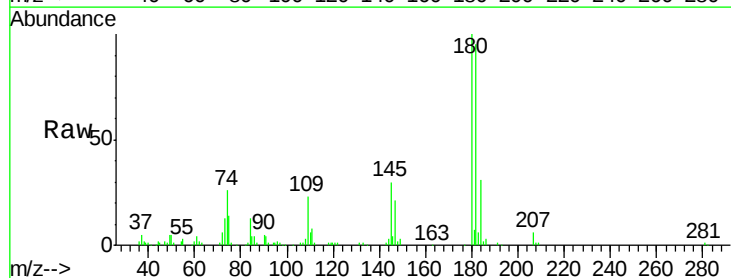
Tgt Ion:180 Resp: 122036

Ion Ratio Lower Upper

180 100

182 95.8 47.4 142.2

145 30.6 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

