

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051619.D
 Acq On : 28 Sep 2018 17:09
 Operator : MD\SY
 Sample : VN0928WBS01
 Misc : Sample
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

Quant Time: Sep 29 01:56:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	100523	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	547888	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	474292	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	215609	30.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.67%
60) 4-Bromofluorobenzene	12.40	95	214752	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	683163	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	177641	20.137	ug/l 99
3) Chloromethane	2.06	50	188269	19.071	ug/l 99
4) Vinyl Chloride	2.19	62	181483	18.740	ug/l 97
5) Bromomethane	2.57	94	92394	18.367	ug/l 95
6) Chloroethane	2.70	64	87131	17.934	ug/l 98
7) Trichlorofluoromethane	3.01	101	222451	18.800	ug/l 97
8) Diethyl Ether	3.41	74	69279	18.641	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133863	20.014	ug/l 97
10) 1,1-Dichloroethene	3.74	96	113011	18.619	ug/l 97
11) Methyl Iodide	3.95	142	141095	18.059	ug/l 99
12) Methyl Acetate	4.33	43	100325	18.728	ug/l 100
13) Acrolein	3.61	56	45982	77.695	ug/l 96
14) Acrylonitrile	4.99	53	198147	92.363	ug/l 99
15) Acetone	3.82	58	53774	95.600	ug/l 98
16) Carbon Disulfide	4.05	76	358156	18.311	ug/l 99
17) Allyl chloride	4.33	41	197958	18.232	ug/l 98
18) Methylene Chloride	4.55	84	131327	18.820	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	119071	18.480	ug/l 95
20) Diisopropyl ether	5.95	45	415964	19.311	ug/l 96
21) 1,1-Dichloroethane	5.85	63	243338	19.061	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	129219	18.363	ug/l 96
23) tert-Butyl Alcohol	4.79	59	36577	89.133	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	301508	18.901	ug/l 99
25) Chloroform	7.37	83	234401	19.203	ug/l 95
26) Cyclohexane	7.65	56	201756	18.263	ug/l 98
29) 1,1-Dichloropropene	7.79	75	173175	18.536	ug/l 99
30) 2-Butanone	6.84	43	241588	95.012	ug/l 100
31) 2,2-Dichloropropane	6.83	77	193838	19.224	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	200429	19.094	ug/l 98
33) Carbon Tetrachloride	7.77	117	179496	19.025	ug/l 98
34) Benzene	8.04	78	529143	19.090	ug/l 99
35) Methacrylonitrile	7.18	41	42732	14.948	ug/l 95
36) 1,2-Dichloroethane	8.13	62	168411	19.062	ug/l 99
37) Trichloroethene	8.84	130	132672	18.643	ug/l 99
38) Methylcyclohexane	9.08	83	195991	18.180	ug/l 98
39) 1,2-Dichloropropane	9.12	63	145868	19.206	ug/l 97
40) Dibromomethane	9.21	93	83348	19.755	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	173435	18.832	ug/l	99
42) Vinyl Acetate	5.90	43	1322433	93.420	ug/l	100
43) Ethyl Acetate	6.93	43	102117	18.973	ug/l	99
44) Isopropyl Acetate	8.17	43	191625	18.184	ug/l	99
45) 1,4-Dioxane	9.20	88	22673	397.723	ug/l	98
46) Methyl methacrylate	9.20	41	89431	18.243	ug/l	99
47) n-amyl Acetate	12.07	43	135812	17.224	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	164915	17.942	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	197796	18.406	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	113012	18.954	ug/l	99
51) Ethyl methacrylate	10.43	69	130326	18.016	ug/l	98
52) 1,3-Dichloropropane	10.71	76	195041	19.079	ug/l	99
53) Dibromochloromethane	10.90	129	126243	18.591	ug/l	98
54) 1,2-Dibromoethane	11.01	107	108310	18.932	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	331436	92.693	ug/l	100
56) Bromoform	12.13	173	82321	18.269	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	525016	97.497	ug/l	99
59) 2-Hexanone	10.75	43	333524	94.147	ug/l	98
61) Tetrachloroethene	10.63	164	130821	19.482	ug/l	98
62) Toluene	10.16	91	553507	19.032	ug/l	100
64) Chlorobenzene	11.43	112	325352	18.503	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	126133	18.786	ug/l	99
66) Ethyl Benzene	11.51	91	540416	18.157	ug/l	99
67) m/p-Xylenes	11.62	106	426359	37.167	ug/l	99
68) o-Xylene	11.95	106	202426	18.486	ug/l	96
69) Styrene	11.96	104	316751	18.429	ug/l	99
70) Isopropylbenzene	12.25	105	541266	18.530	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	137565	19.466	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	163291	27.026	ug/l	47
73) Bromobenzene	12.53	156	133175	18.321	ug/l	98
74) n-propylbenzene	12.59	91	622493	18.306	ug/l	100
75) 2-Chlorotoluene	12.67	91	373311	18.385	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	456430	18.700	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32867	17.175	ug/l	94
78) 4-Chlorotoluene	12.77	91	370119	18.453	ug/l	99
79) tert-butylbenzene	12.99	119	385114	18.212	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	453013	18.582	ug/l	100
81) sec-Butylbenzene	13.17	105	539710	18.477	ug/l	100
82) p-Isopropyltoluene	13.29	119	459247	18.395	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	235599	18.600	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	213828	17.959	ug/l	100
85) n-Butylbenzene	13.61	91	353788	17.265	ug/l	100
86) Hexachloroethane	13.87	117	89910	18.006	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	229898	18.554	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19144	18.586	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	91272	15.738	ug/l	99
90) Hexachlorobutadiene	15.01	225	89415	18.911	ug/l	98
91) Naphthalene	15.13	128	159395	17.626	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	98776	16.935	ug/l	99

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Response via : Initial Calibration

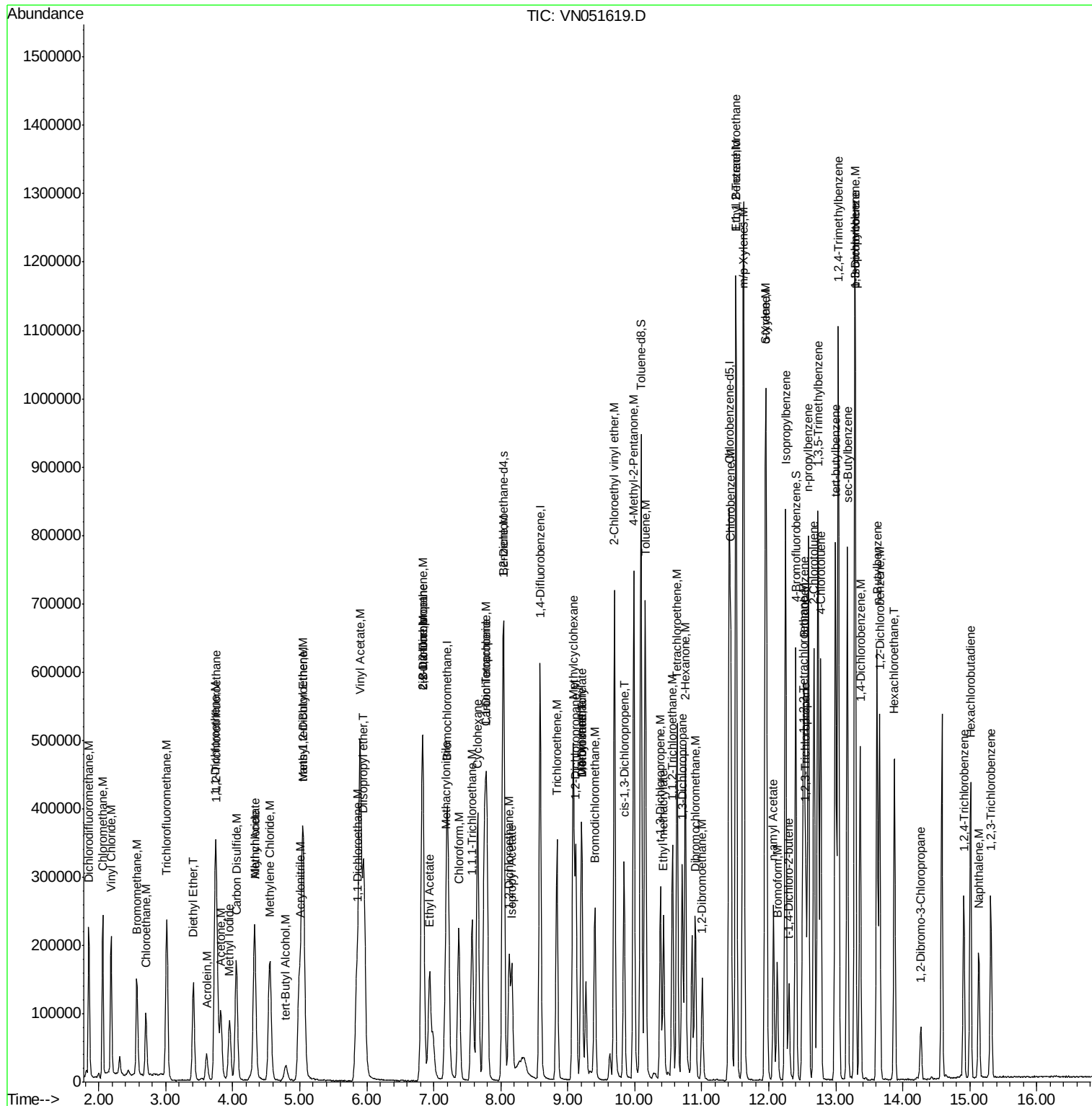
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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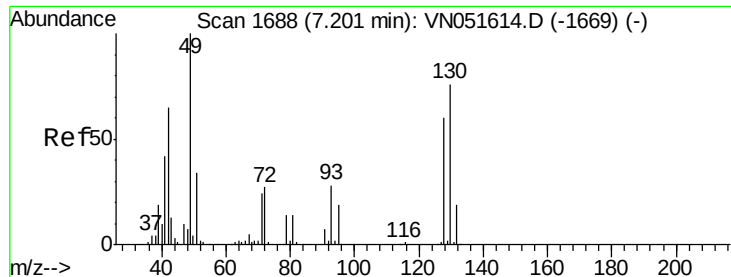
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 29 01:56:05 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

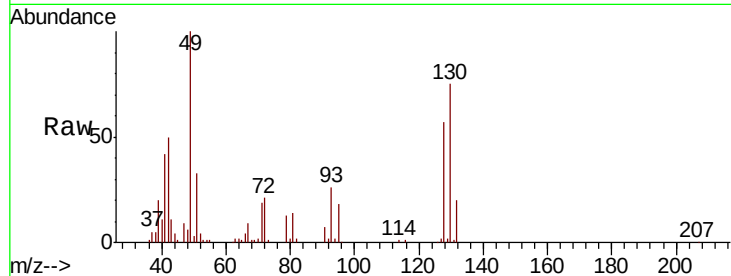
Tot Ion:128 Resp: 100523

Ion Ratio Lower Upper

128 100

49 172.8 0.0 426.8

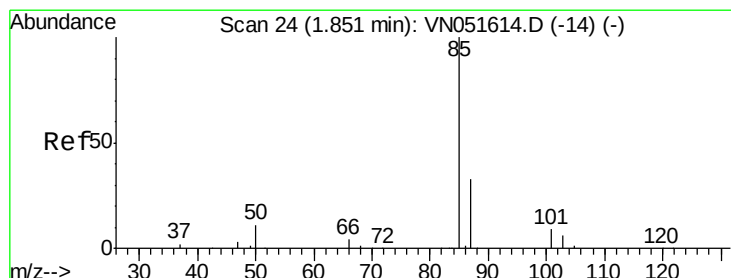
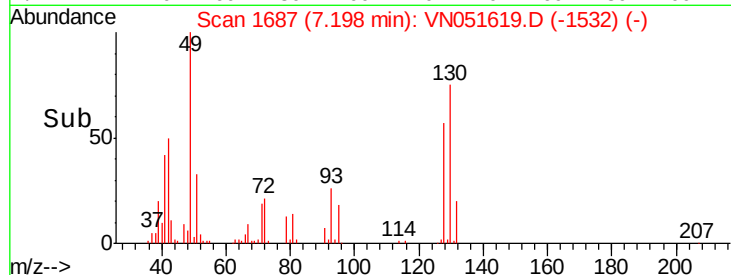
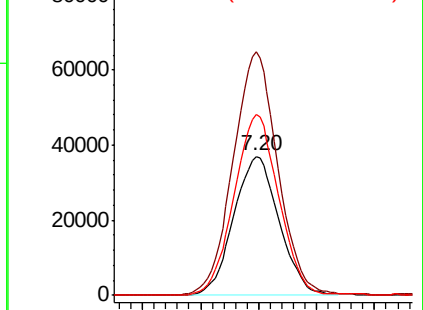
130 128.0 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.137 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051619.D

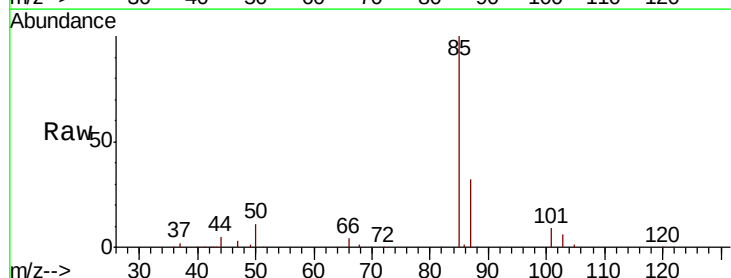
Acq: 28 Sep 2018 17:09

Tgt Ion: 85 Resp: 177641

Ion Ratio Lower Upper

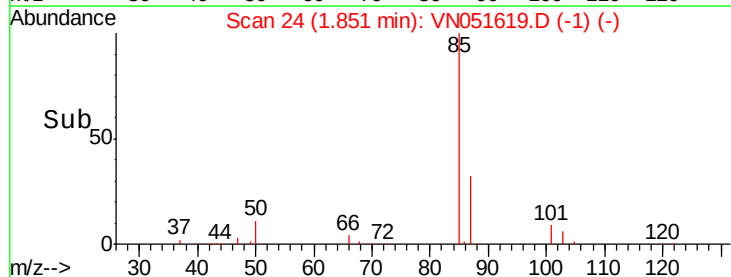
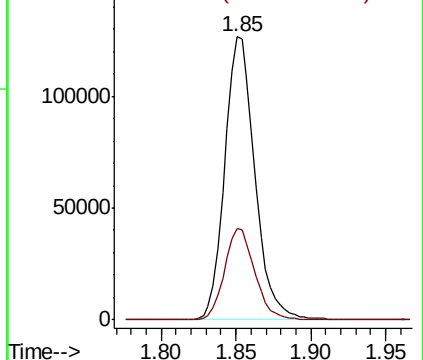
85 100

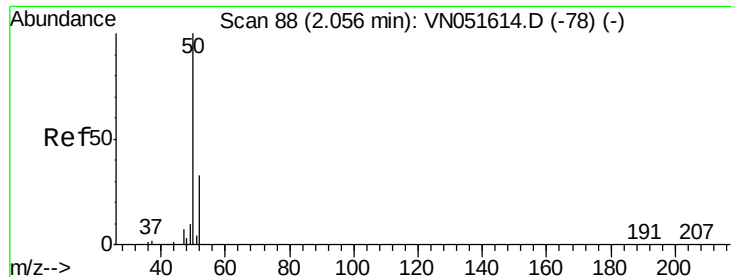
87 32.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.071 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

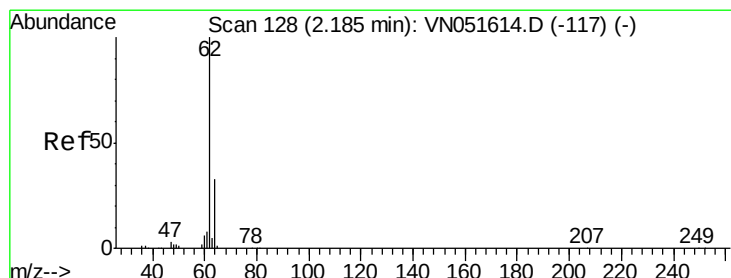
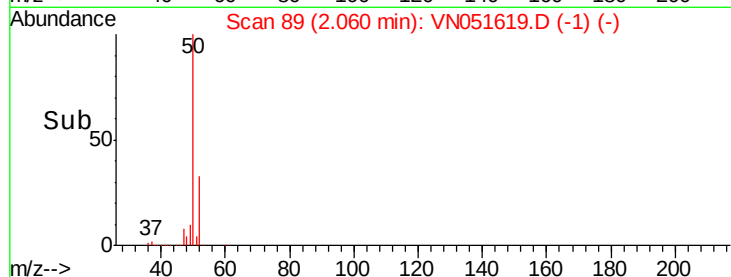
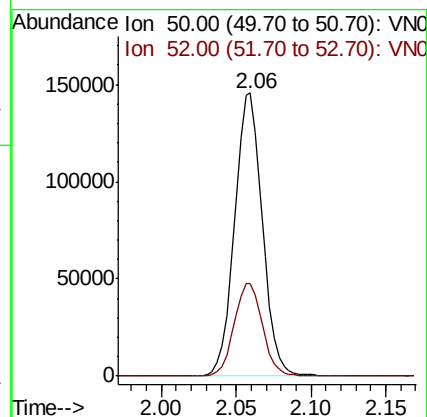
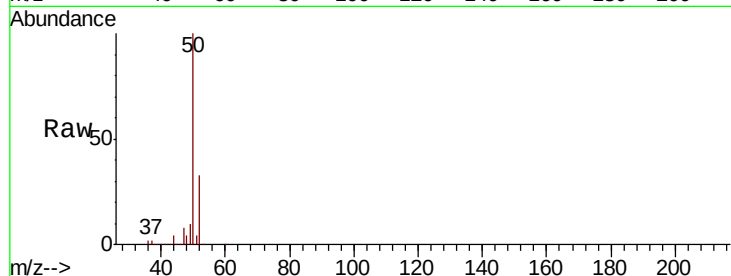
VN0928WBS01

Tot Ion: 50 Resp: 188269

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 18.740 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051619.D

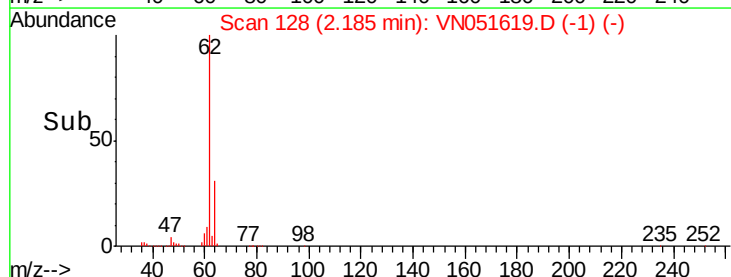
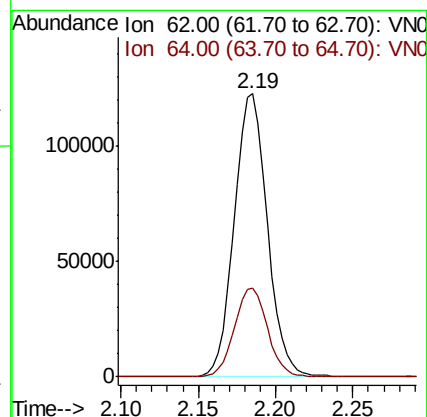
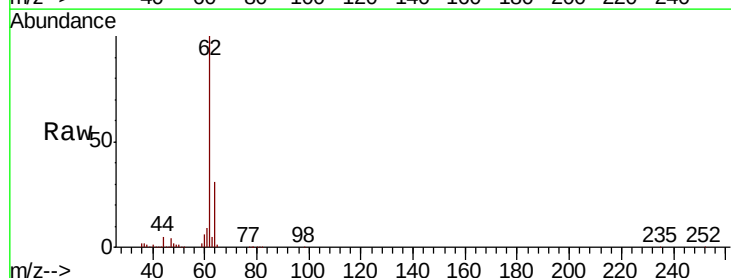
Acq: 28 Sep 2018 17:09

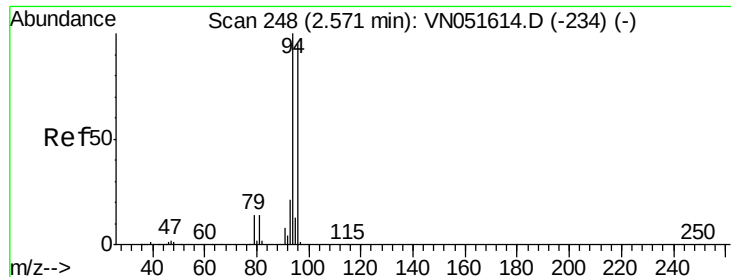
Tgt Ion: 62 Resp: 181483

Ion Ratio Lower Upper

62 100

64 31.3 26.3 39.5





#5

Bromomethane

Concen: 18.367 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

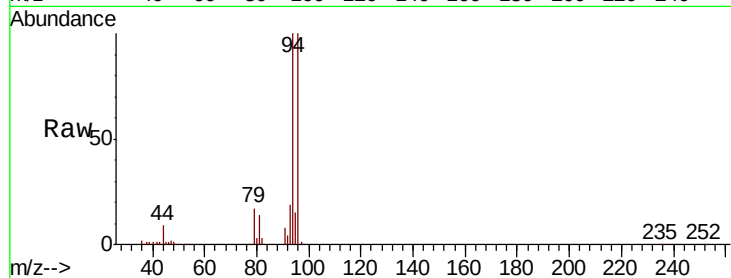
VN0928WBS01

Tot Ion: 94 Resp: 92394

Ion Ratio Lower Upper

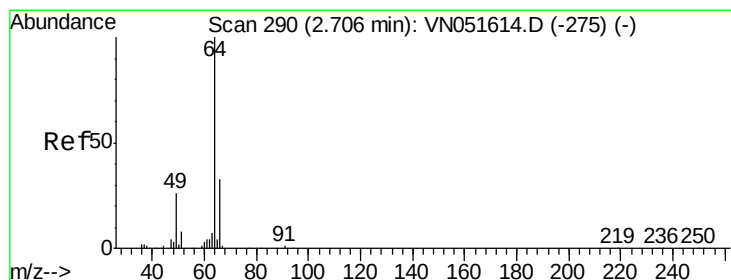
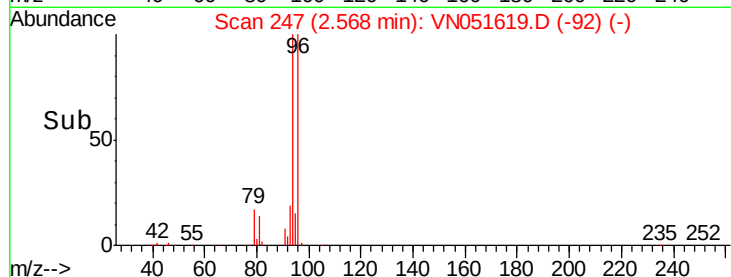
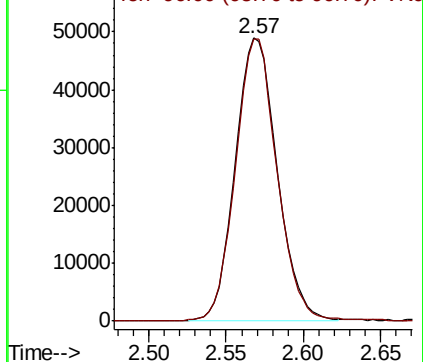
94 100

96 99.4 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.934 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051619.D

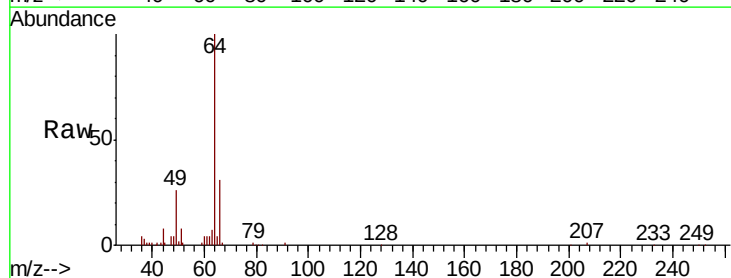
Acq: 28 Sep 2018 17:09

Tgt Ion: 64 Resp: 87131

Ion Ratio Lower Upper

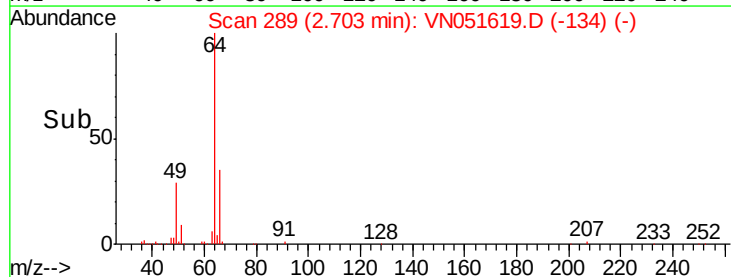
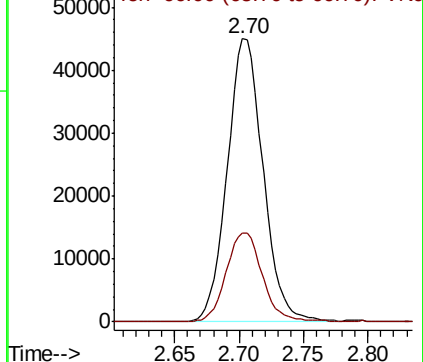
64 100

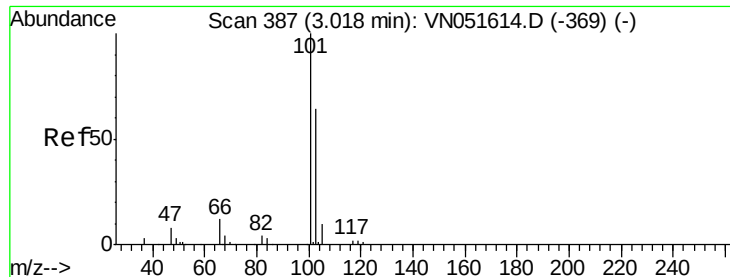
66 31.3 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



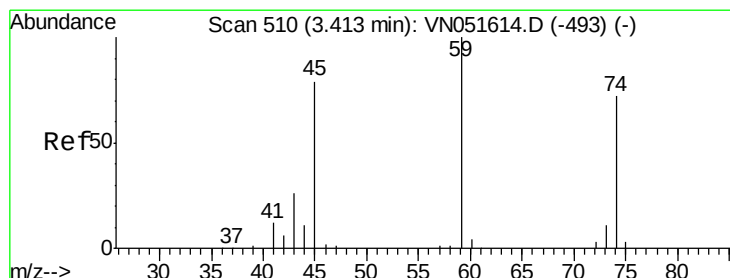
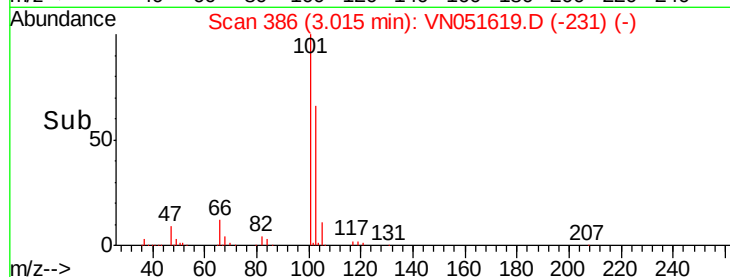
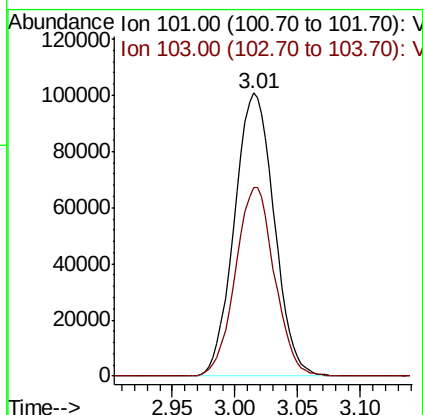
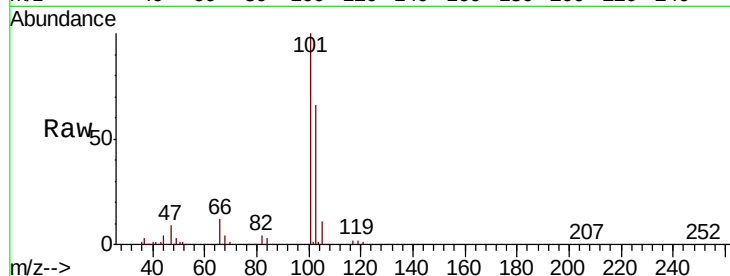


#7

Trichlorofluoromethane
 Concen: 18.800 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
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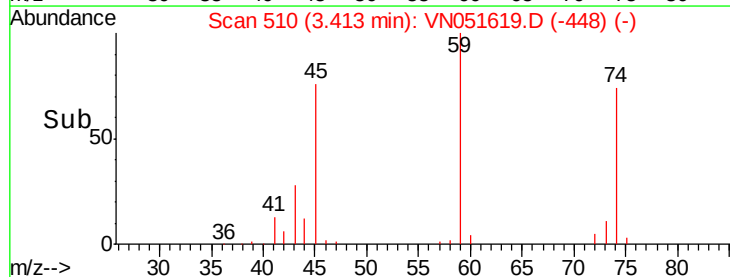
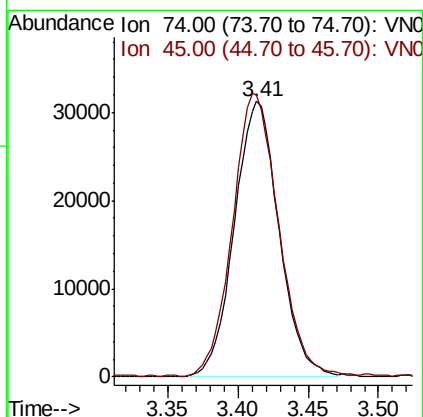
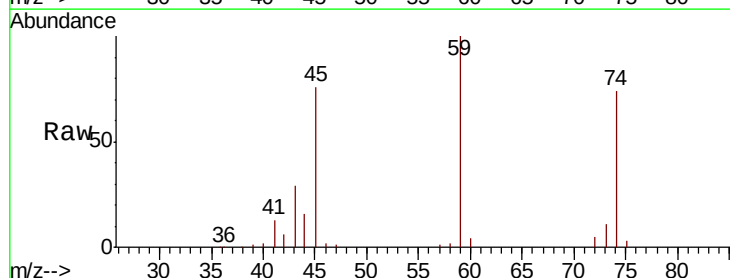
Tot Ion:101 Resp: 222451
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.2 76.8

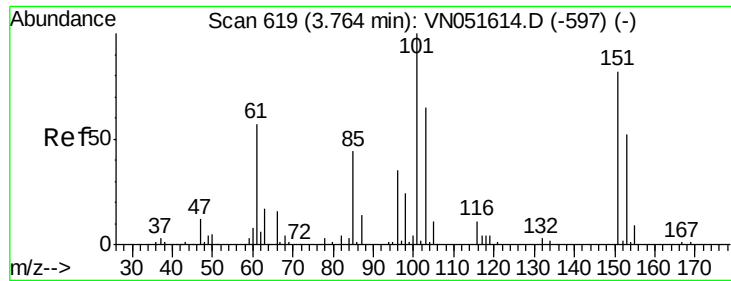


#8

Diethyl Ether
 Concen: 18.641 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 74 Resp: 69279
 Ion Ratio Lower Upper
 74 100
 45 106.6 21.3 191.5

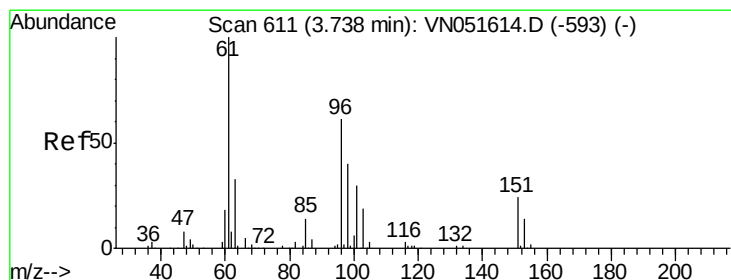
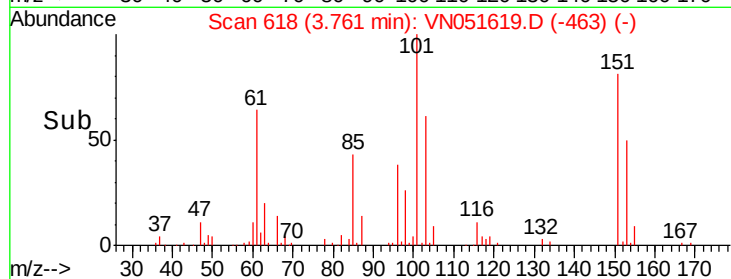
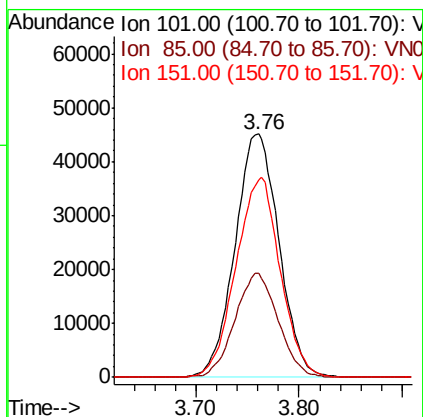
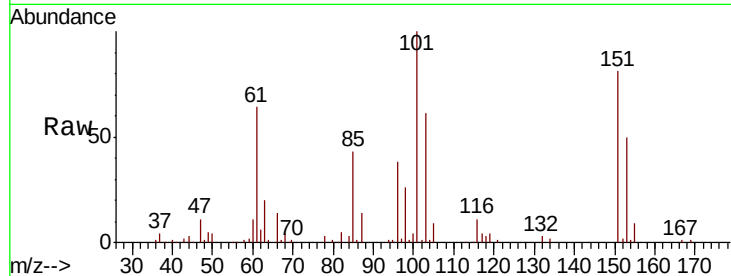




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.014 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

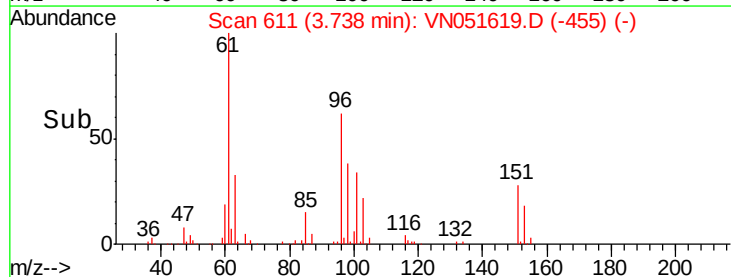
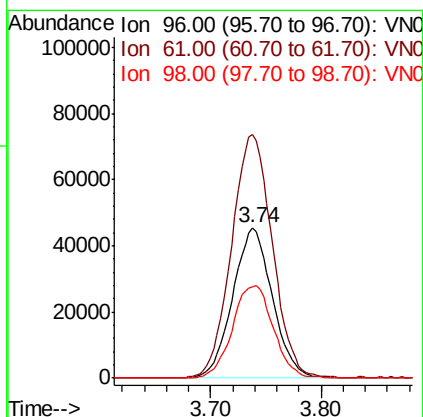
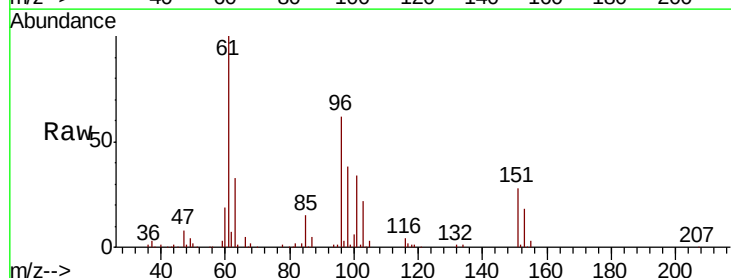
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

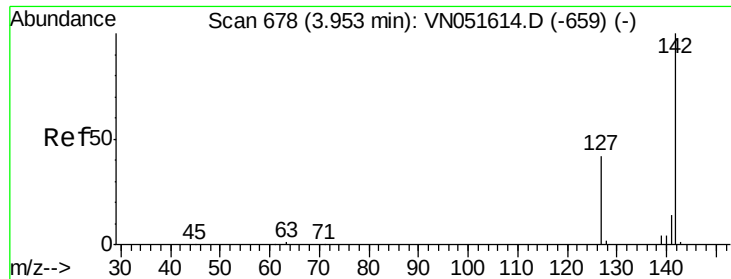
Tot Ion:101 Resp: 133863
 Ion Ratio Lower Upper
 101 100
 85 41.8 0.0 89.4
 151 82.5 0.0 167.6



#10
 1,1-Dichloroethene
 Concen: 18.619 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 96 Resp: 113011
 Ion Ratio Lower Upper
 96 100
 61 161.1 131.0 196.4
 98 61.0 52.7 79.1

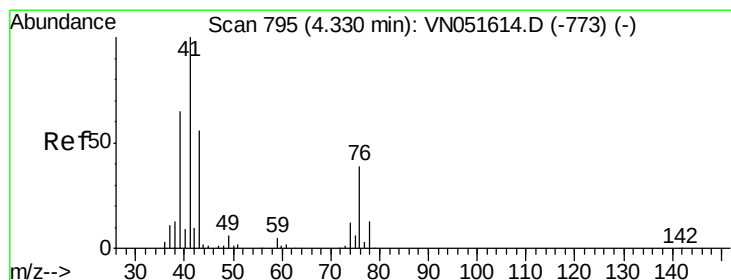
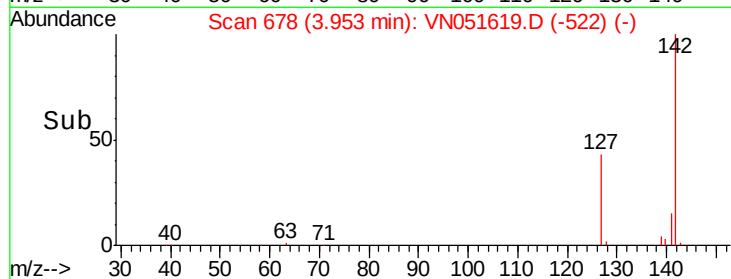
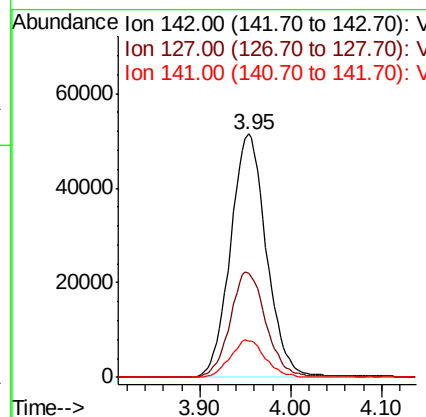
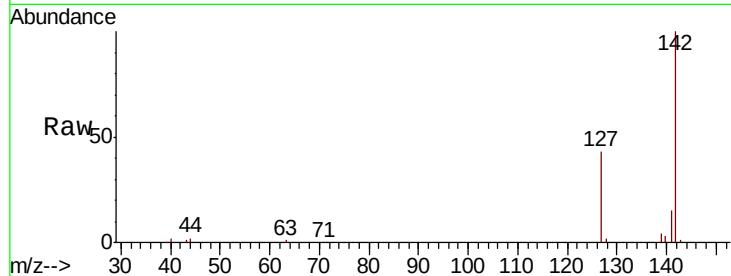




#11
Methvl Iodide
Concen: 18.059 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

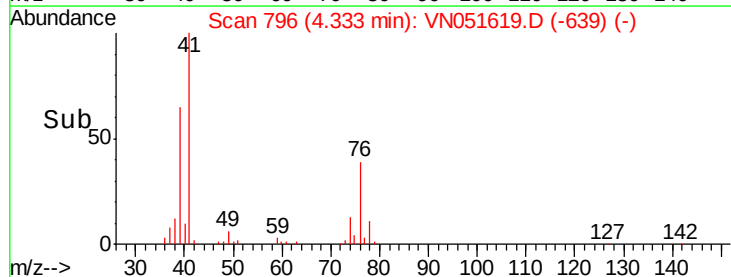
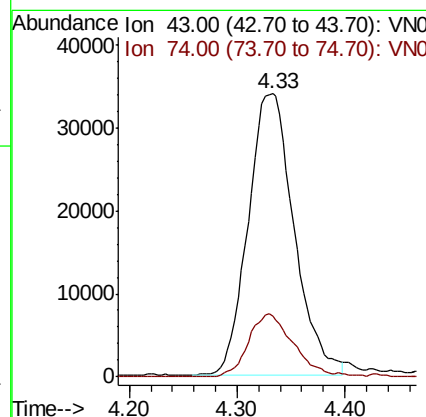
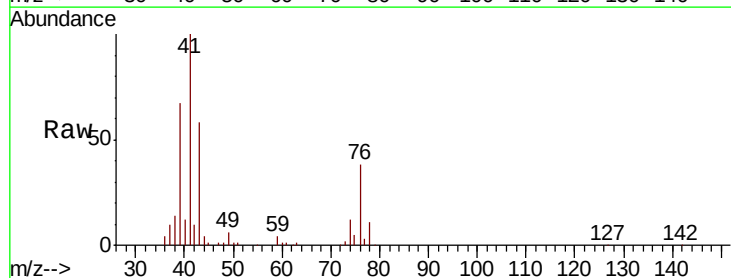
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

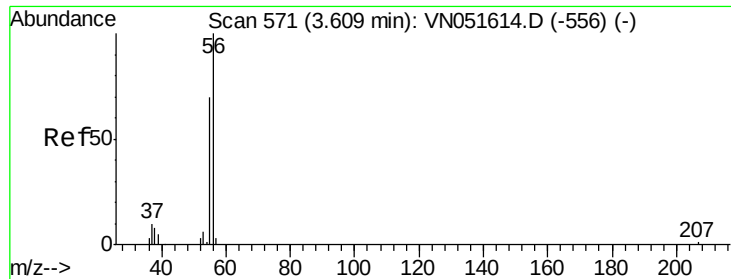
Tot Ion:142 Resp: 141095
Ion Ratio Lower Upper
142 100
127 42.4 21.1 63.1
141 15.2 7.1 21.4



#12
Methyl Acetate
Concen: 18.728 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 43 Resp: 100325
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.4





#13

Acrolein

Concen: 77.695 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

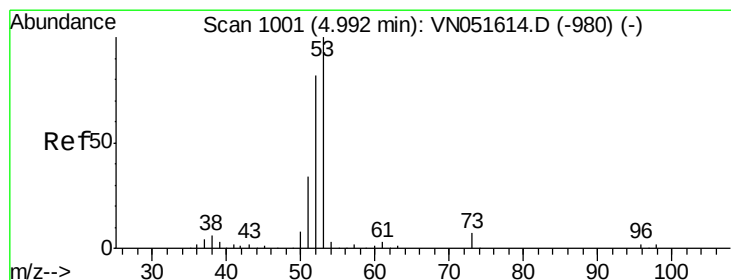
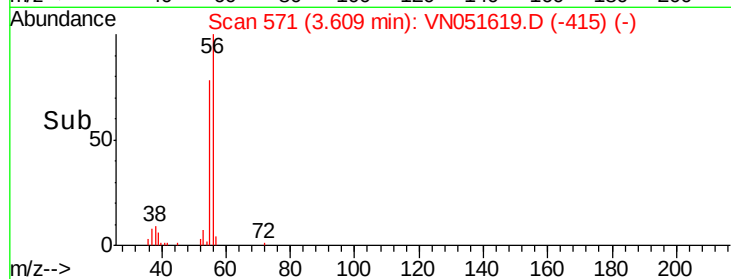
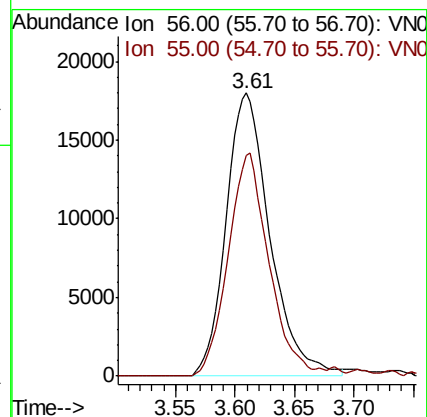
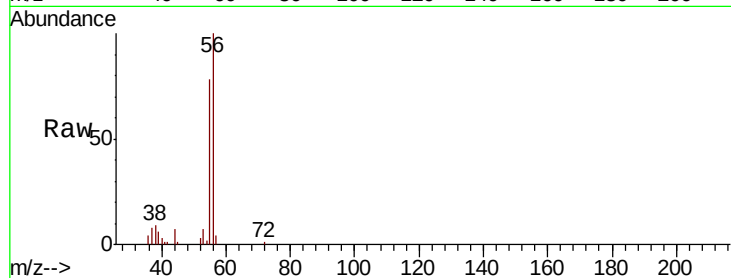
VN0928WBS01

Tot Ion: 56 Resp: 45982

Ion Ratio Lower Upper

56 100

55 72.7 55.8 83.8



#14

Acrylonitrile

Concen: 92.363 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

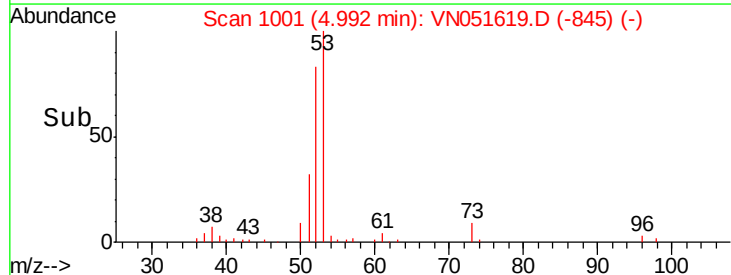
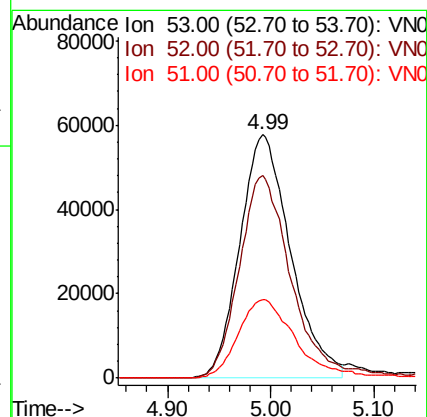
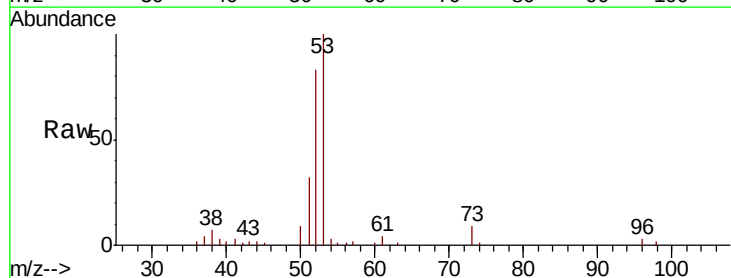
Tgt Ion: 53 Resp: 198147

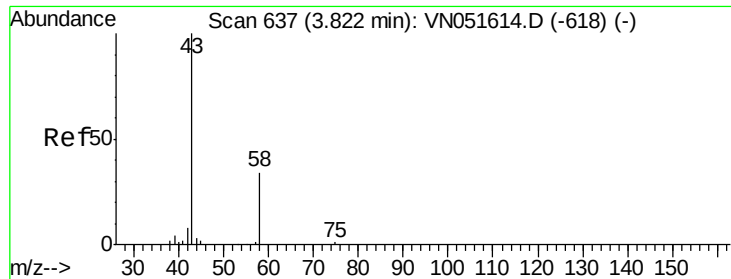
Ion Ratio Lower Upper

53 100

52 83.2 41.3 123.7

51 35.2 17.1 51.2





#15

Acetone

Concen: 95.600 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

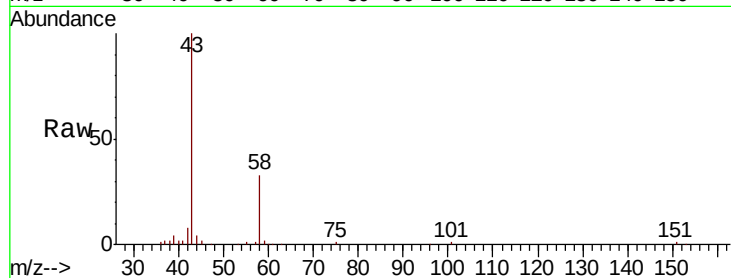
VN0928WBS01

Tot Ion: 58 Resp: 53774

Ion Ratio Lower Upper

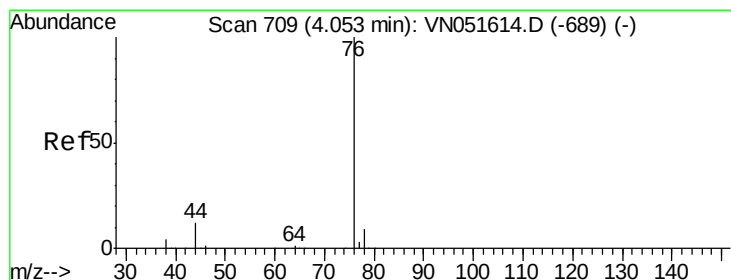
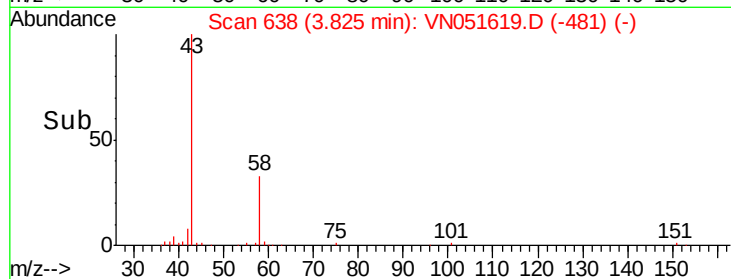
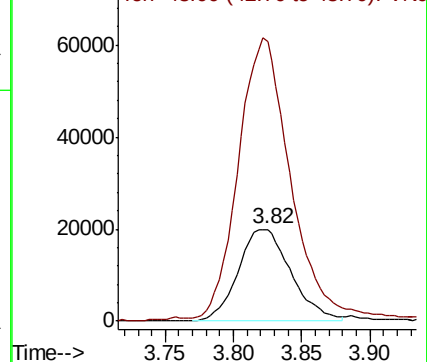
58 100

43 301.1 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.311 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051619.D

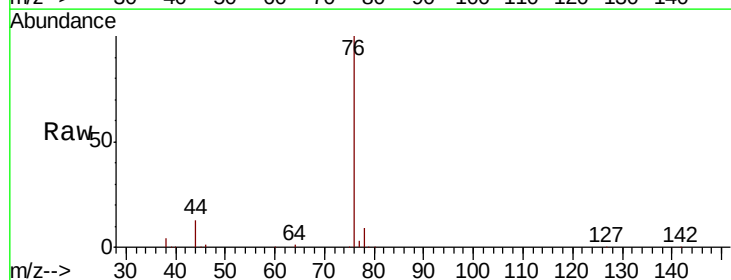
Acq: 28 Sep 2018 17:09

Tgt Ion: 76 Resp: 358156

Ion Ratio Lower Upper

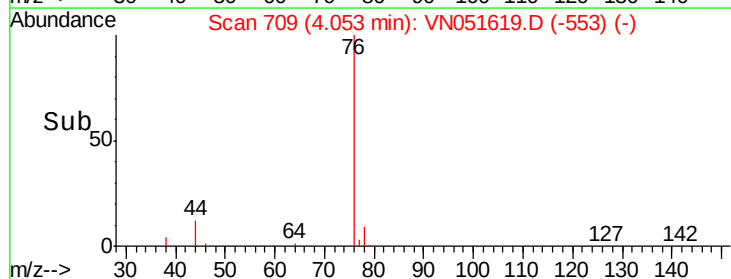
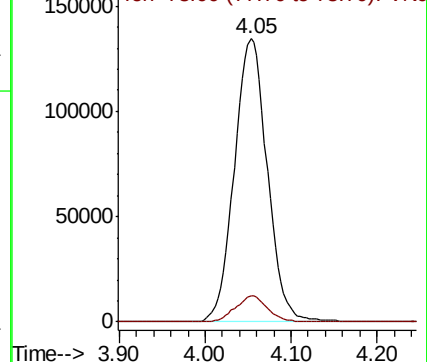
76 100

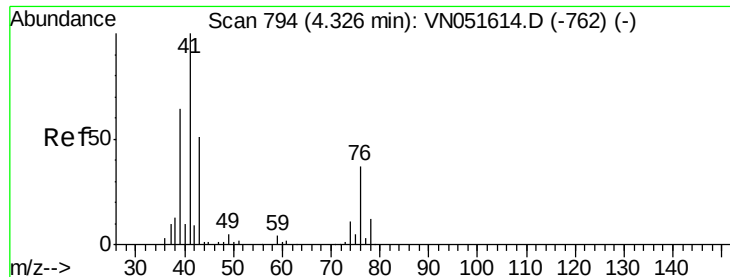
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

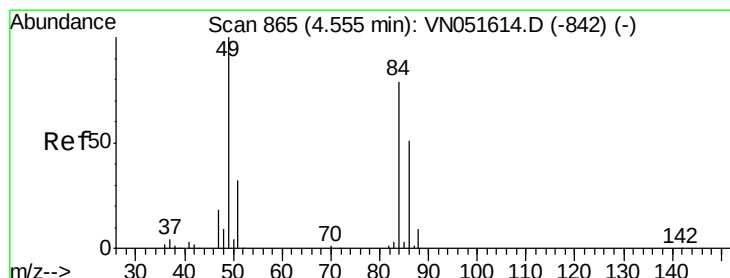
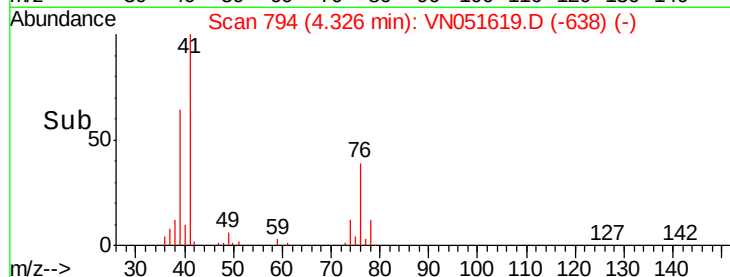
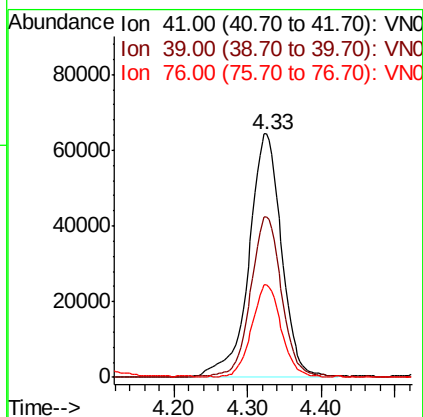
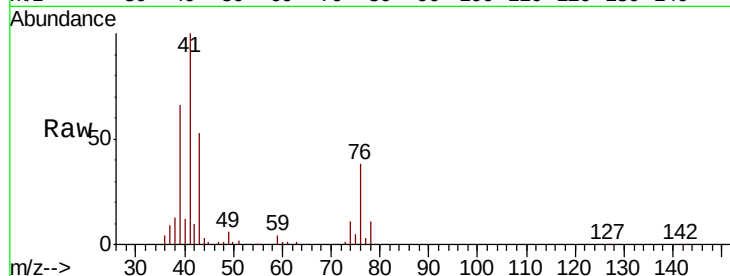




#17
Allvl chloride
Concen: 18.232 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

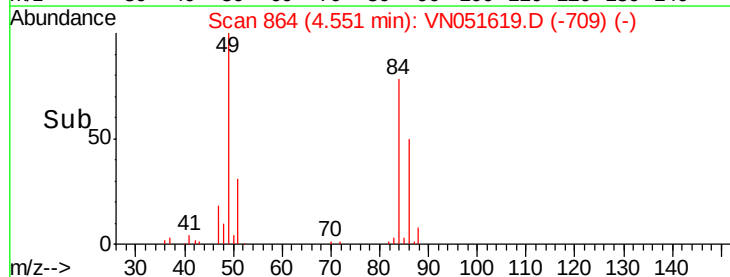
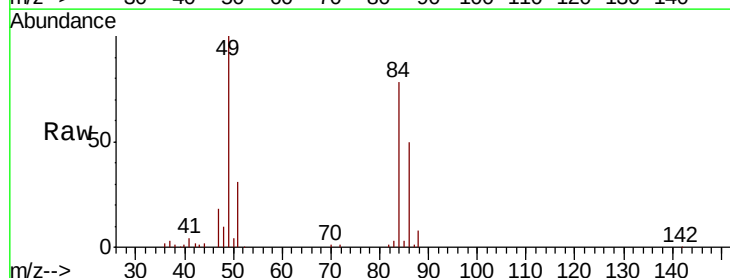
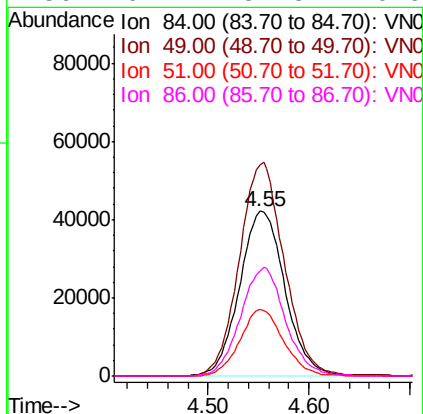
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

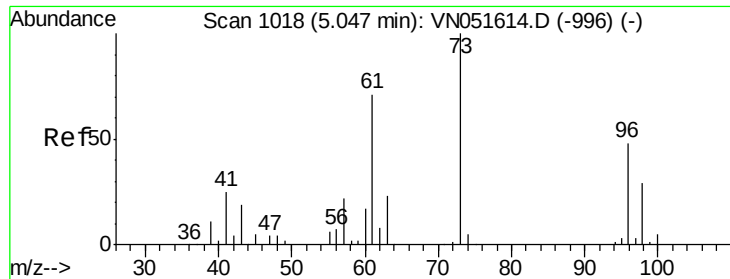
Tot Ion:	41	Resp:	197958
Ion	Ratio	Lower	Upper
41	100		
39	66.0	31.9	95.9
76	37.3	18.6	56.0



#18
Methylene Chloride
Concen: 18.820 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion:	84	Resp:	131327
Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.9	151.3
51	40.3	32.5	48.7
86	64.1	51.3	76.9

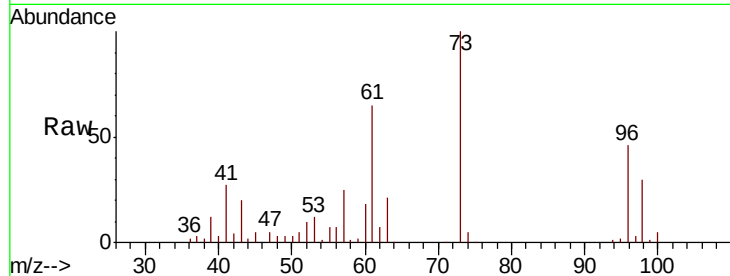




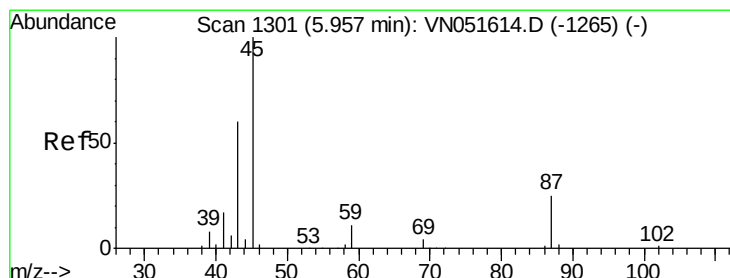
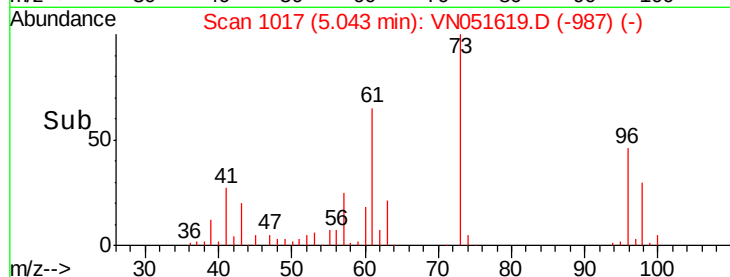
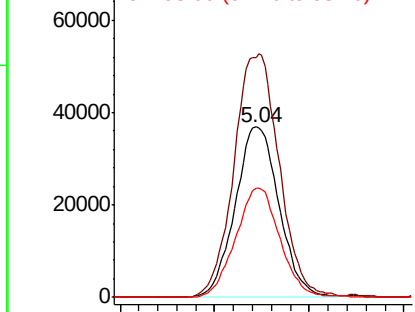
#19
trans-1,2-Dichloroethene
Concen: 18.480 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion: 96 Resp: 119071
Ion Ratio Lower Upper
96 100
61 141.1 118.0 177.0
98 64.0 49.0 73.4

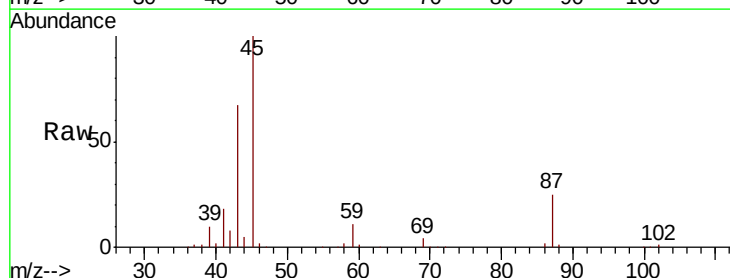


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

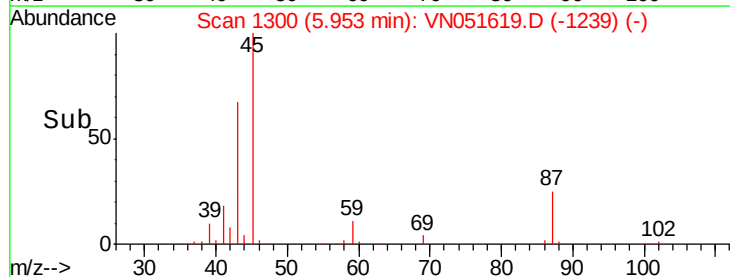
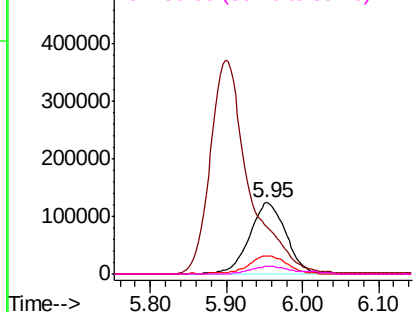


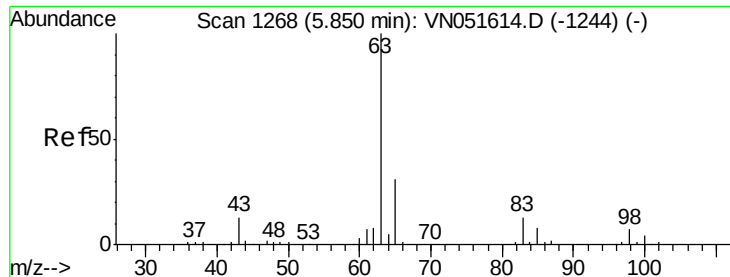
#20
Diisopropyl ether
Concen: 19.311 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 45 Resp: 415964
Ion Ratio Lower Upper
45 100
43 64.3 48.3 72.5
87 24.9 20.8 31.2
59 10.6 8.8 13.2



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





#21

1,1-Dichloroethane

Concen: 19.061 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

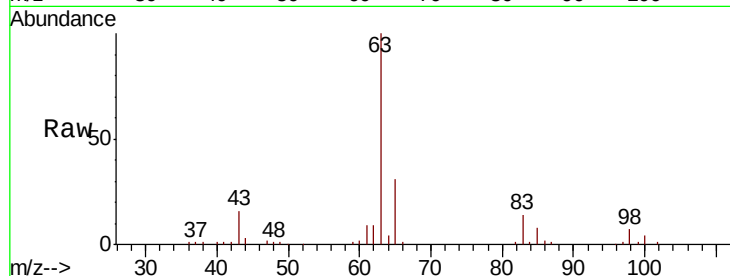
Tot Ion: 63 Resp: 243338

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

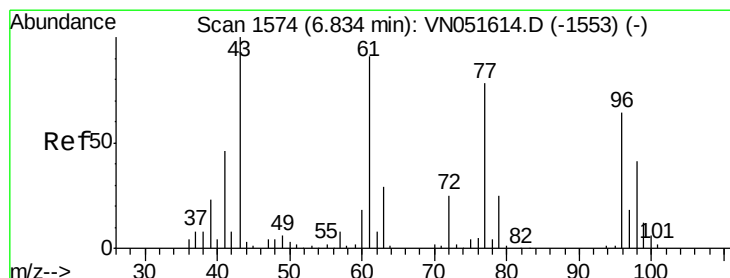
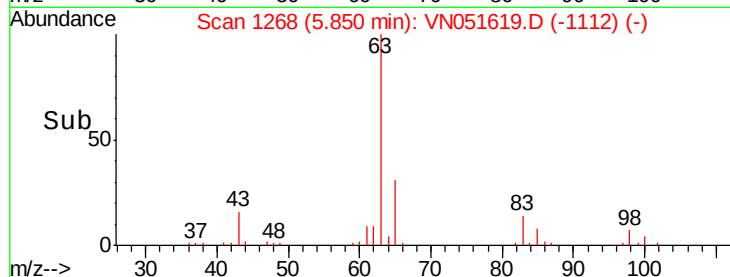
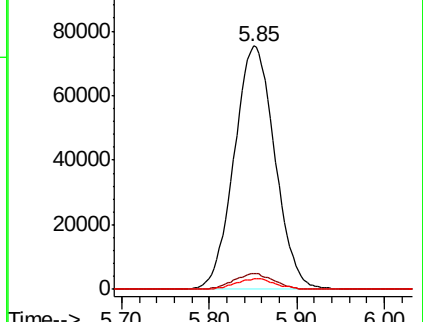
100 4.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 18.363 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

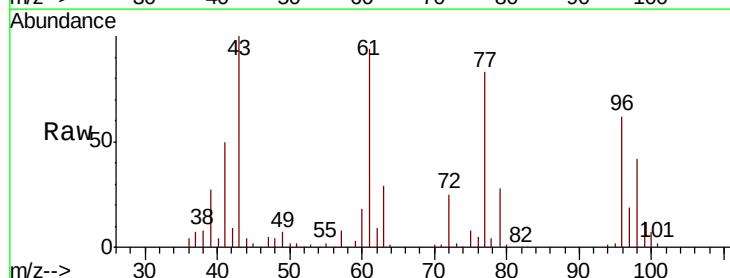
Tgt Ion: 96 Resp: 129219

Ion Ratio Lower Upper

96 100

61 155.8 120.4 180.6

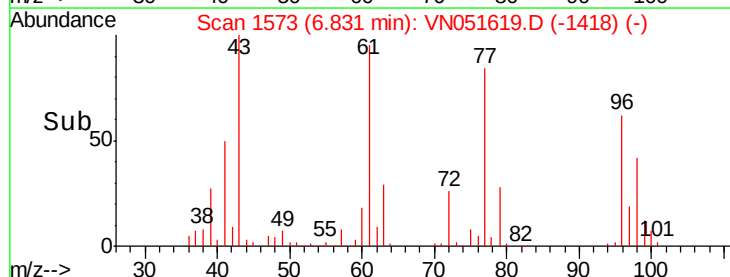
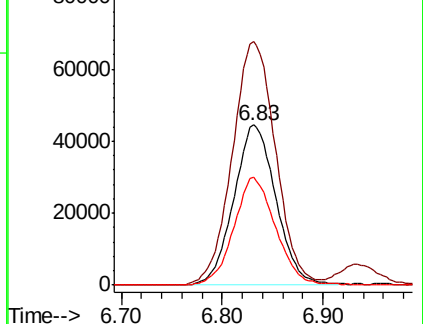
98 66.1 51.4 77.0

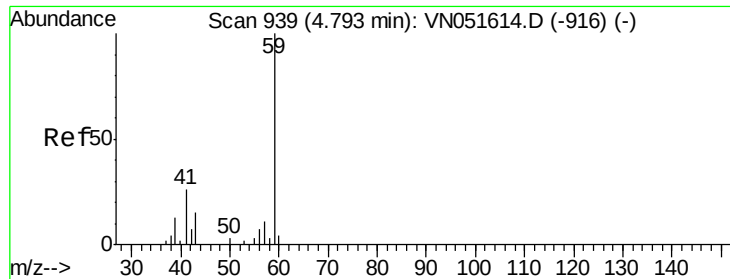


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 89.133 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

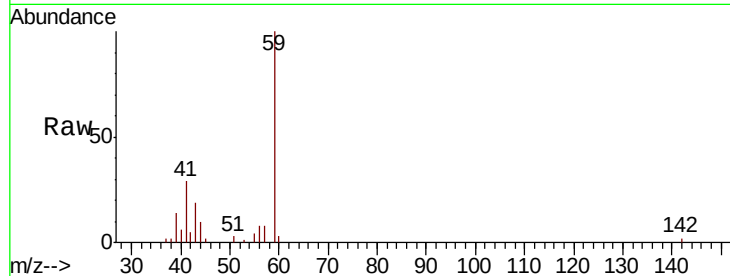
VN0928WBS01

Tot Ion: 59 Resp: 36577

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.79

12000

10000

8000

6000

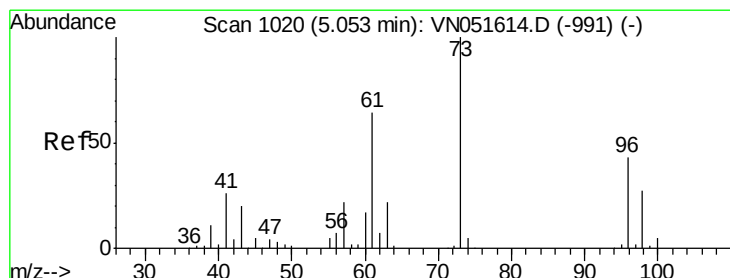
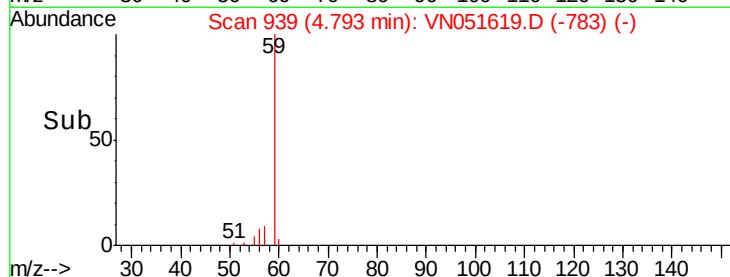
4000

2000

0

4.70 4.80 4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 18.901 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051619.D

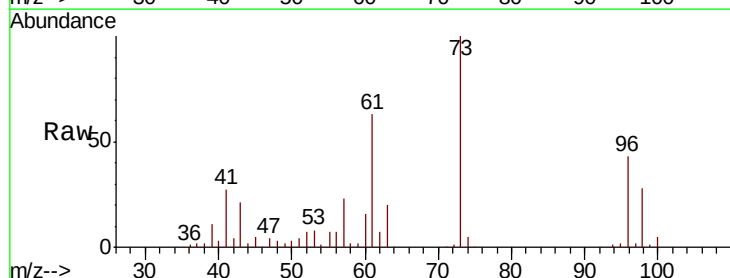
Acq: 28 Sep 2018 17:09

Tgt Ion: 73 Resp: 301508

Ion Ratio Lower Upper

73 100

43 19.8 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

5.05

80000

60000

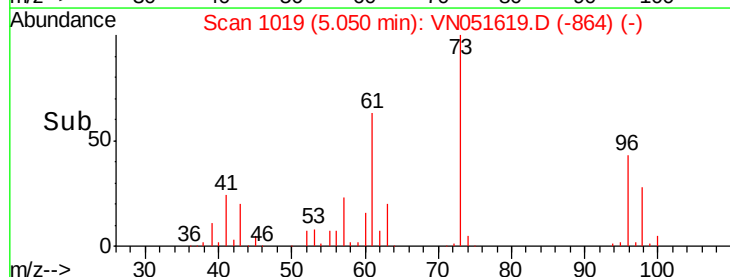
40000

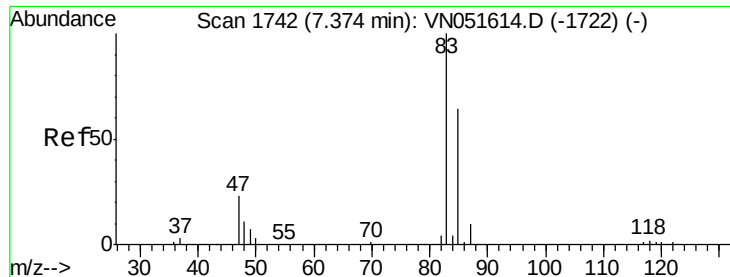
20000

0

4.90 5.00 5.10 5.20

Time-->

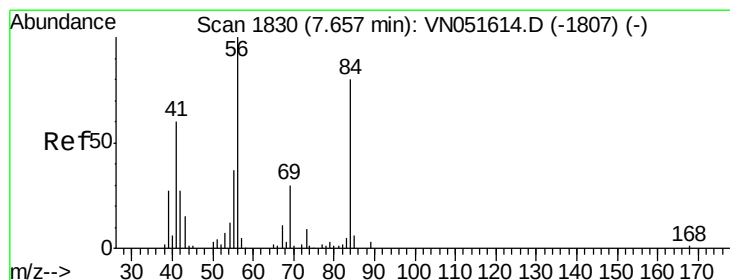
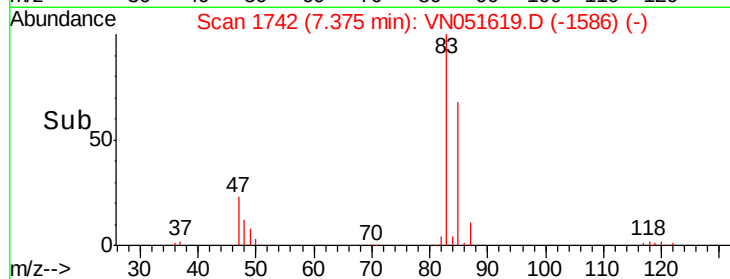
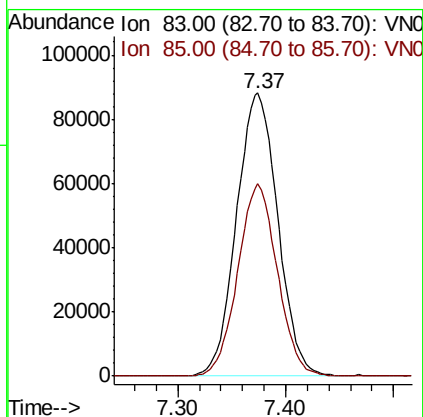
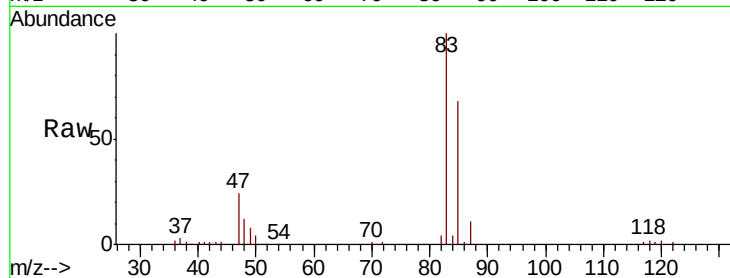




#25
Chloroform
Concen: 19.203 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

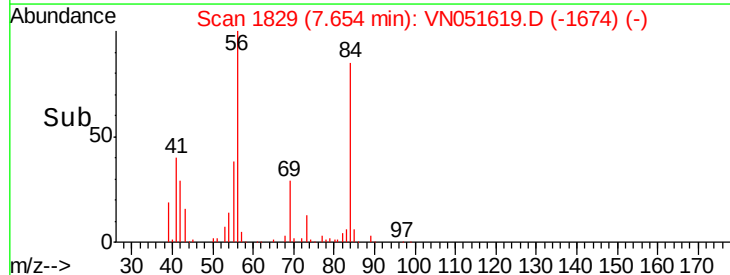
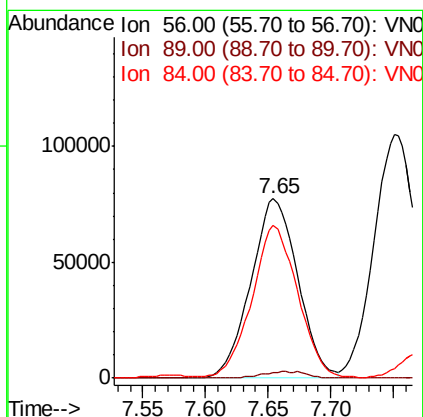
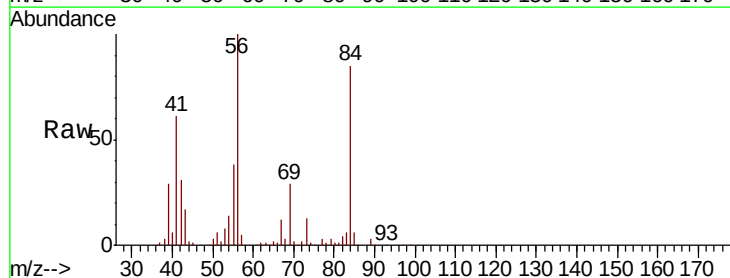
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

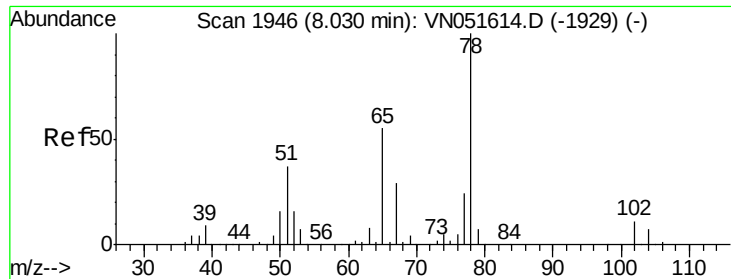
Tot Ion: 83 Resp: 234401
Ion Ratio Lower Upper
83 100
85 67.9 51.4 77.0



#26
Cyclohexane
Concen: 18.263 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 56 Resp: 201756
Ion Ratio Lower Upper
56 100
89 2.4 2.2 3.2
84 83.4 65.0 97.4

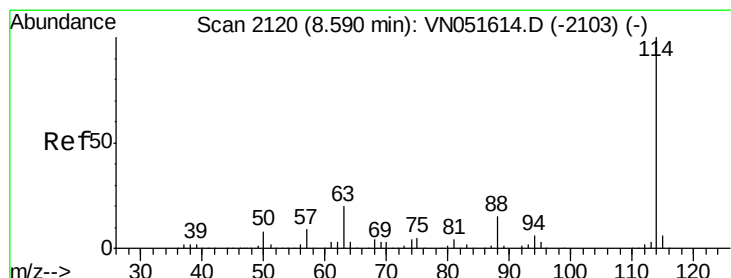
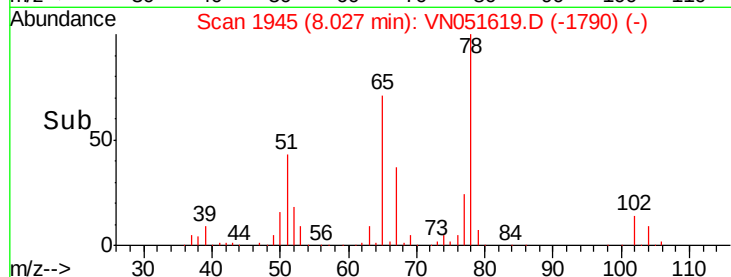
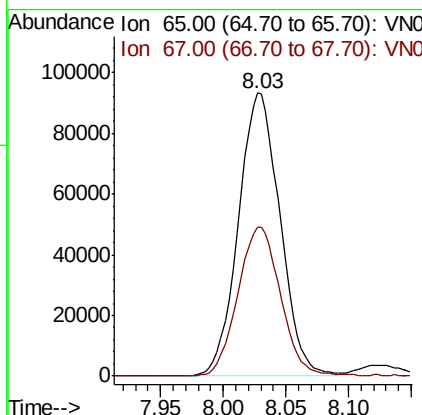
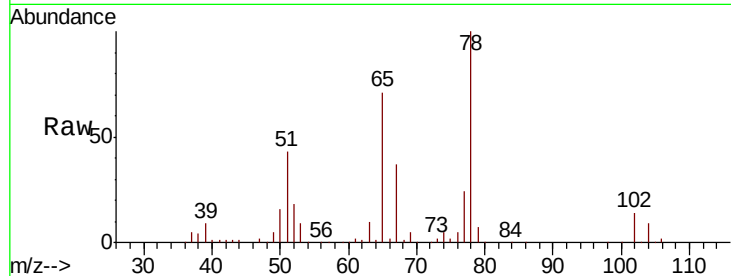




#27
 1,2-Dichloroethane-d4
 Concen: 18.263 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

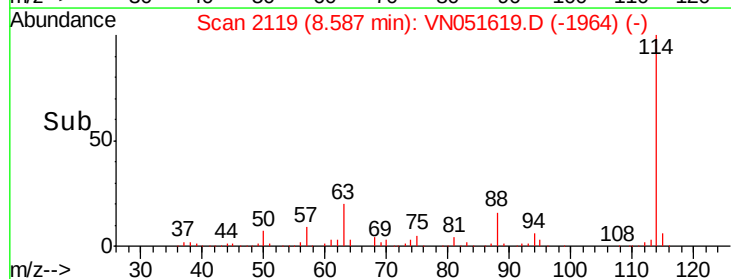
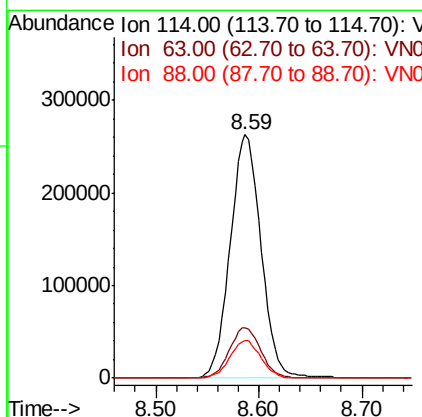
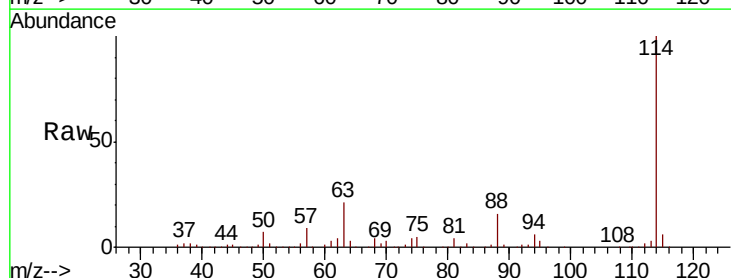
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

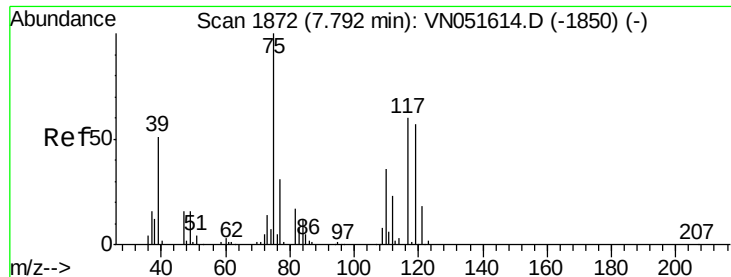
Tot Ion: 65 Resp: 215609
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 114 Resp: 547888
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.4 24.6
 88 15.5 12.6 18.8

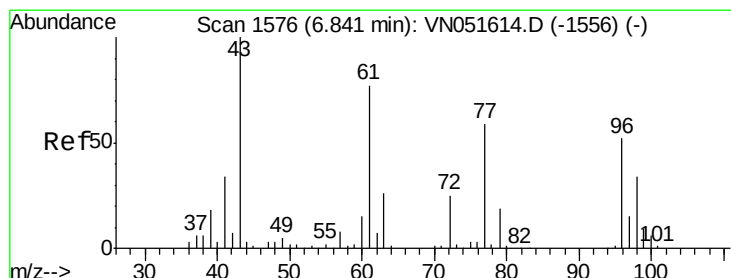
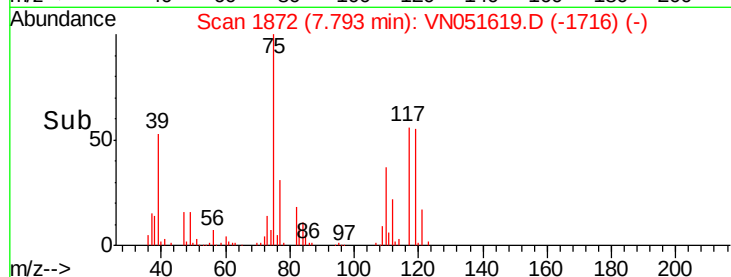
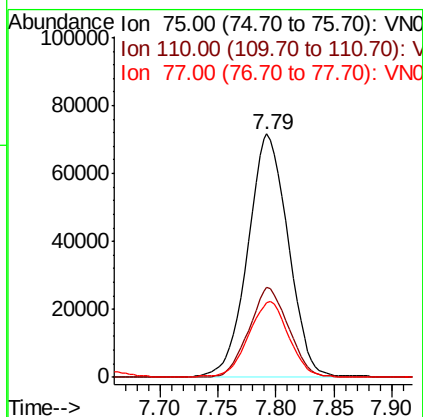
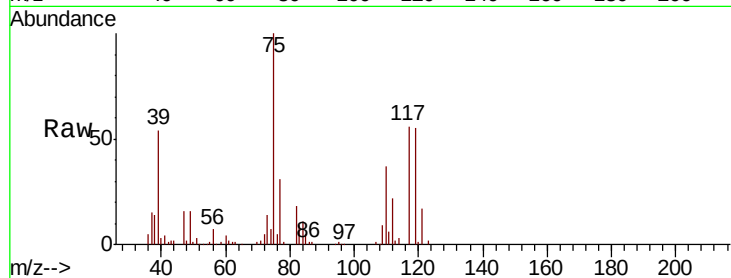




#29
 1,1-Dichloropropene
 Concen: 18.536 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

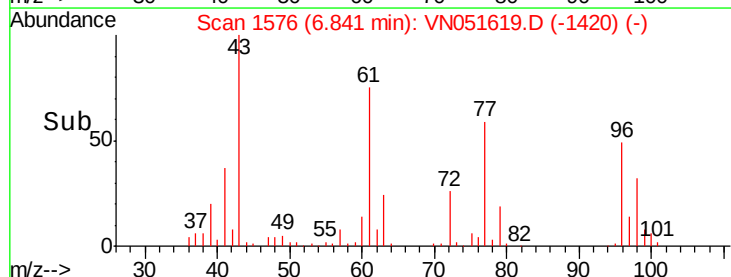
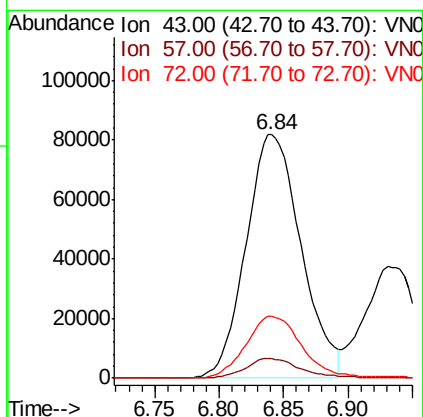
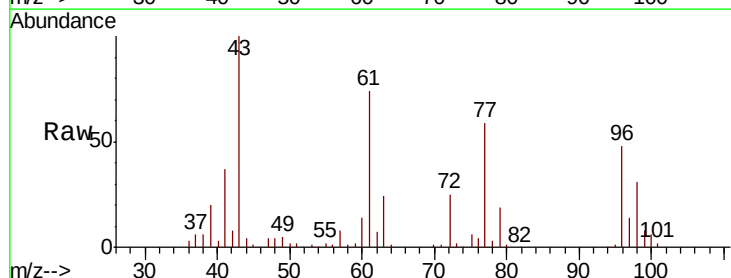
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

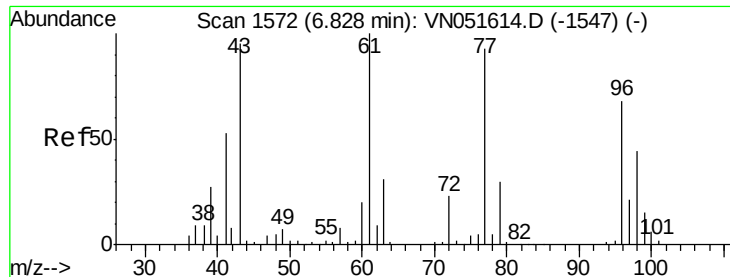
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	71.0
77	31.4	0.0	62.4



#30
 2-Butanone
 Concen: 95.012 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.6	10.0
72	25.9	20.8	31.2

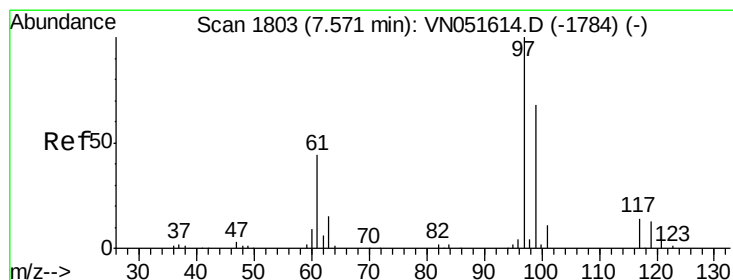
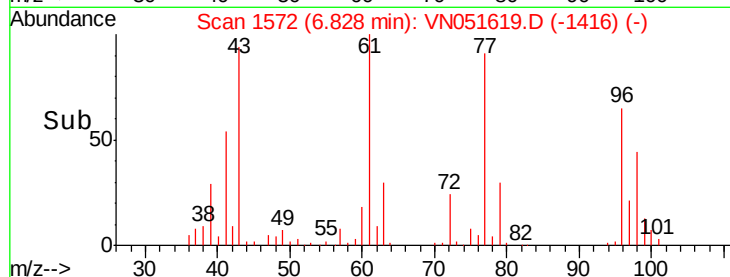
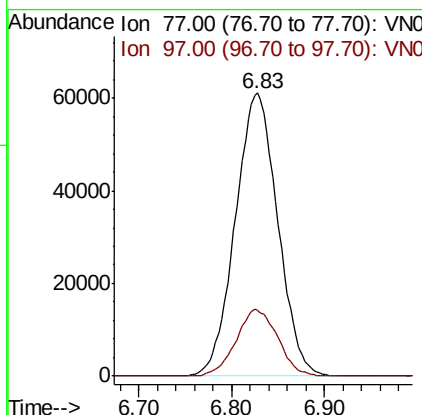
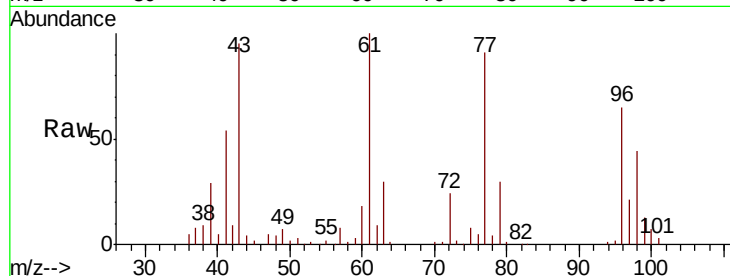




#31
 2,2-Dichloropropane
 Concen: 19.224 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

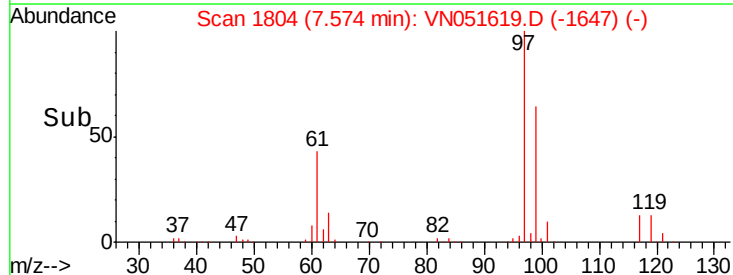
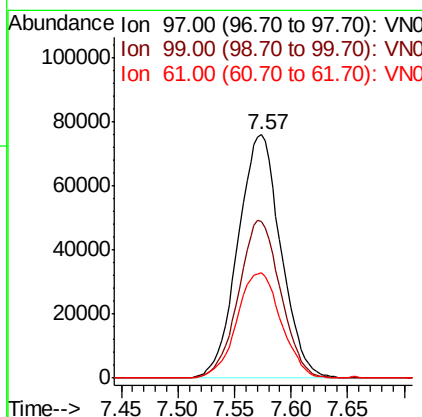
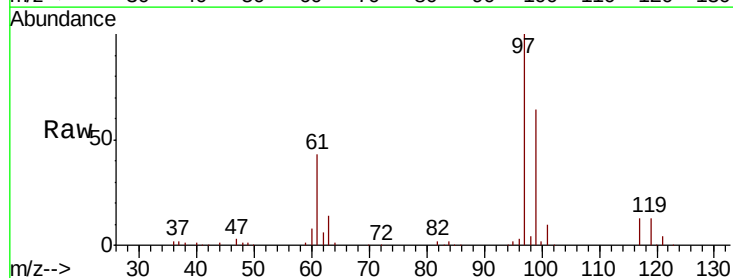
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

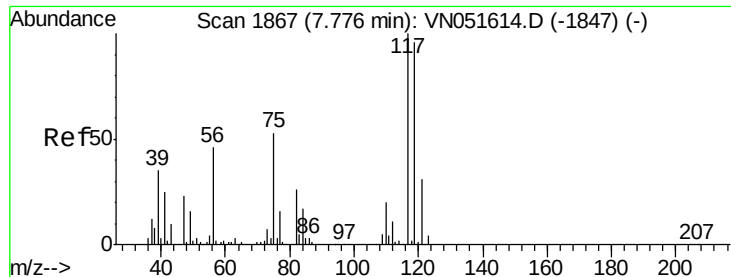
Tot Ion: 77 Resp: 193838
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.6 28.0



#32
 1,1,1-Trichloroethane
 Concen: 19.094 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 97 Resp: 200429
 Ion Ratio Lower Upper
 97 100
 99 63.7 52.2 78.4
 61 44.6 36.2 54.4

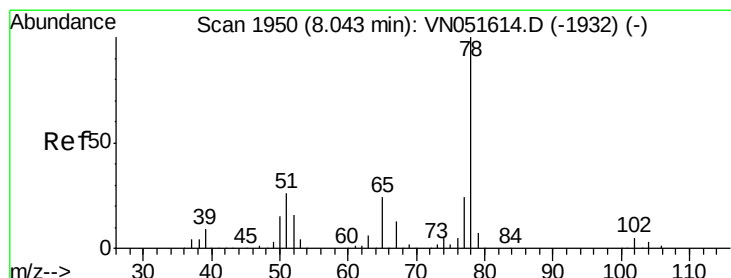
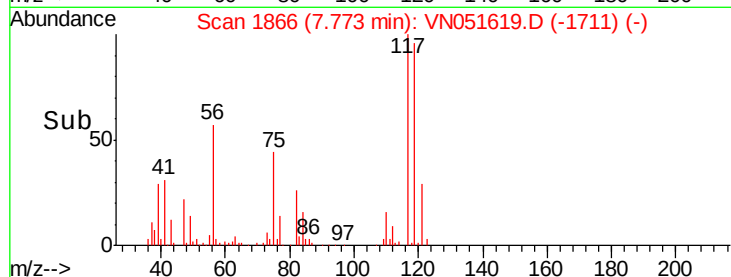
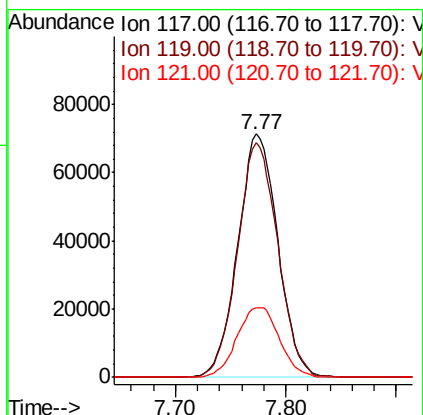
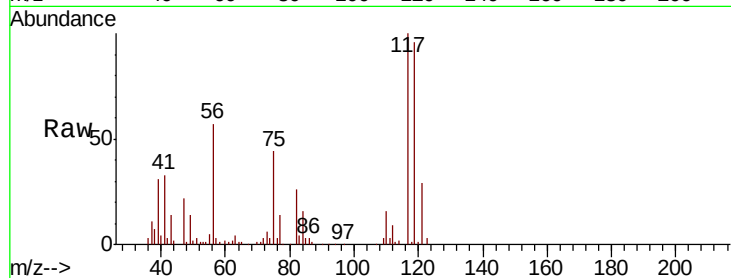




#33
Carbon Tetrachloride
Concen: 19.025 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

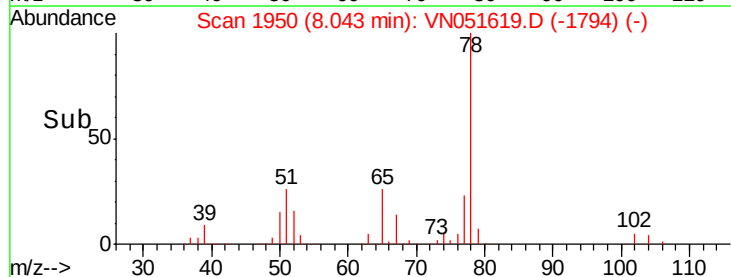
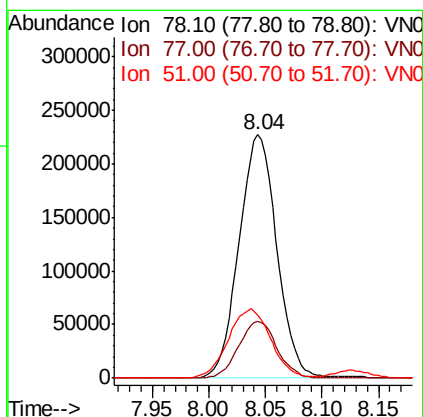
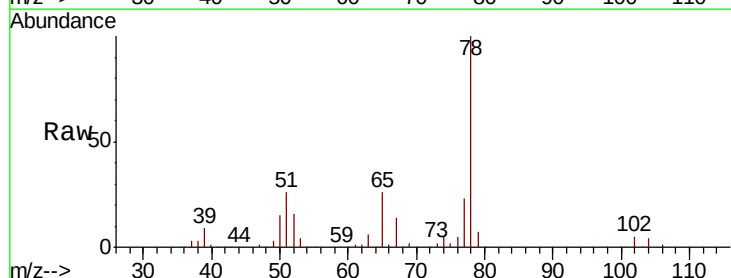
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

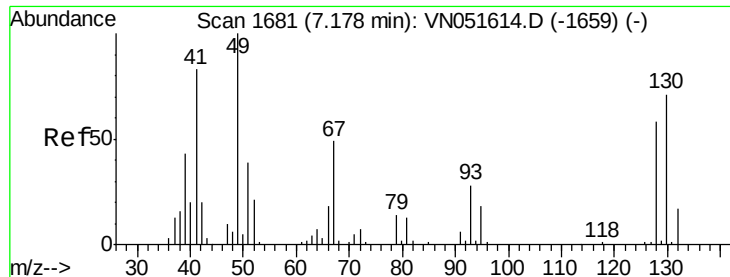
Tot Ion:117 Resp: 179496
Ion Ratio Lower Upper
117 100
119 96.3 76.5 114.7
121 28.8 25.0 37.6



#34
Benzene
Concen: 19.090 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 78 Resp: 529143
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
51 25.9 20.8 31.2

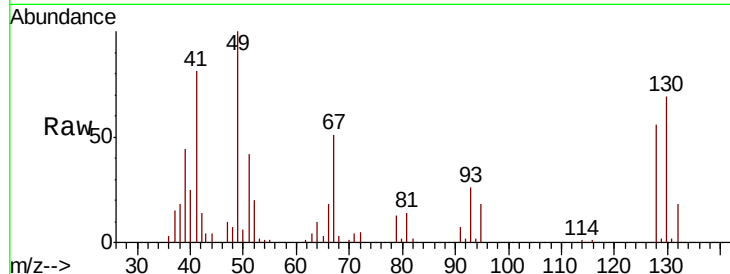




#35
Methacrylonitrile
Concen: 14.948 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

Tot Ion:	41	Resp:	42732
Ion	Ratio	Lower	Upper
41	100		
39	54.6	25.6	76.8
67	63.4	29.4	88.2
52	24.5	12.5	37.5



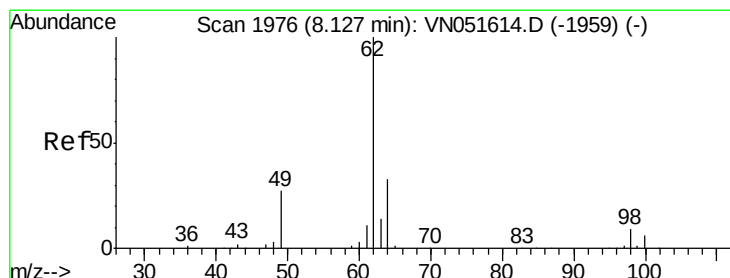
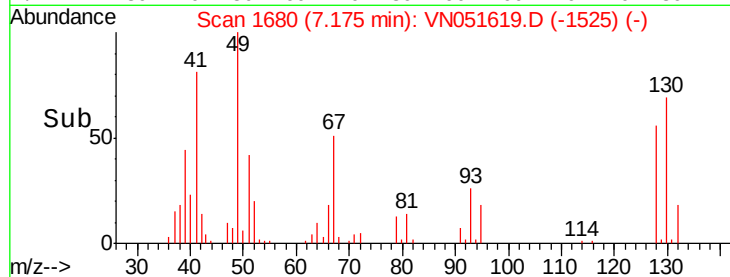
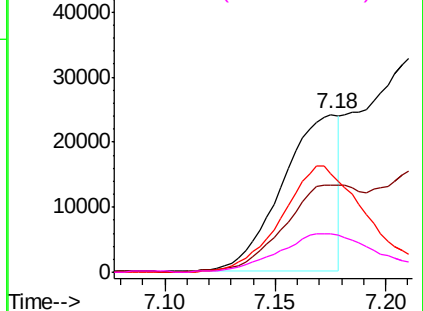
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

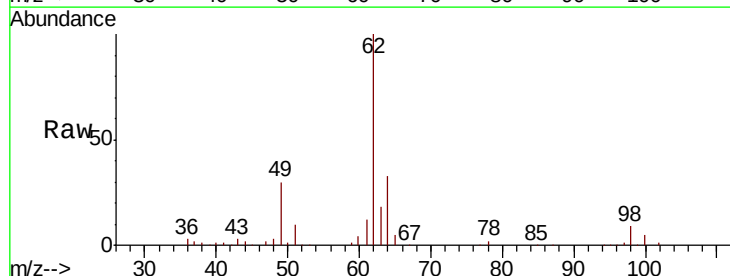
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 19.062 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

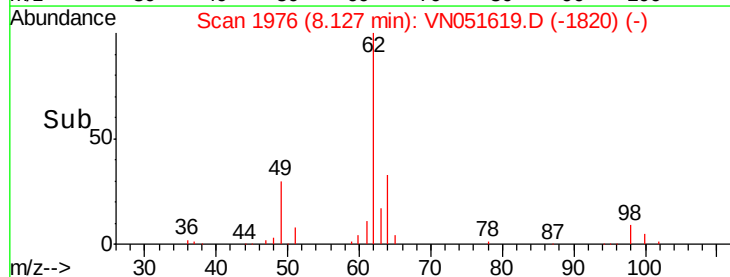
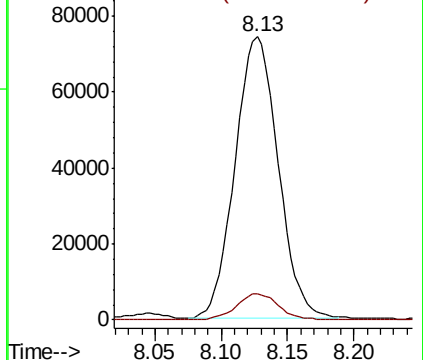
Tgt Ion:	62	Resp:	168411
Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.4	11.2

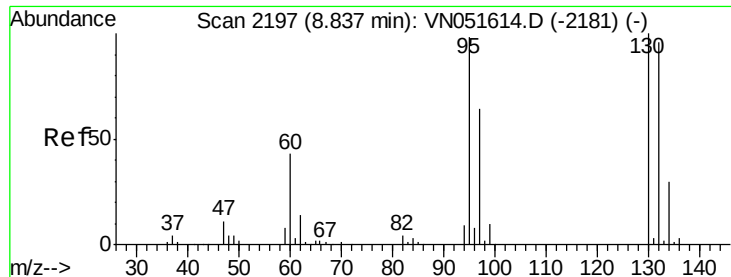


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

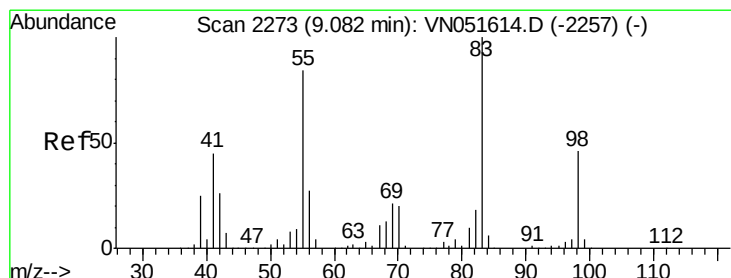
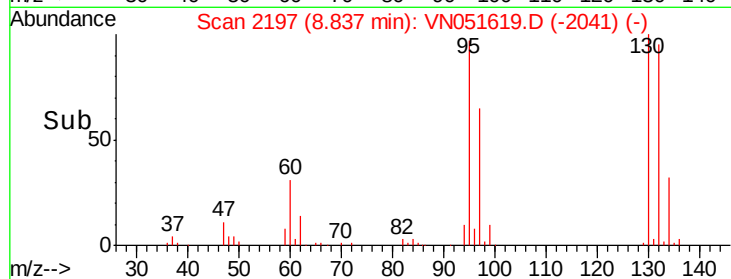
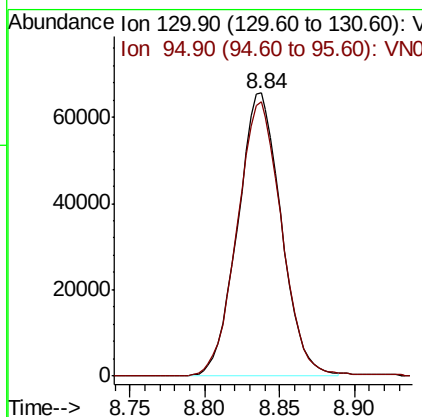
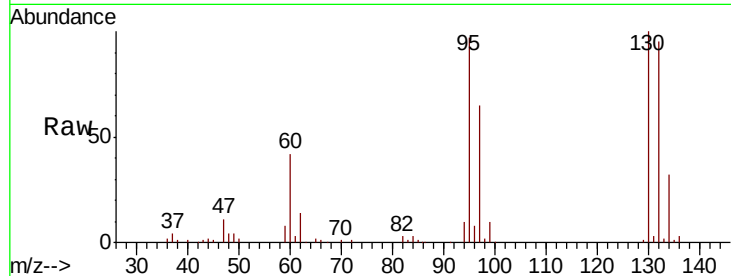




#37
 Trichloroethene
 Concen: 18.643 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

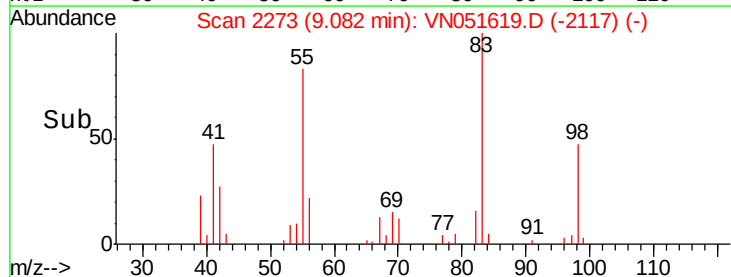
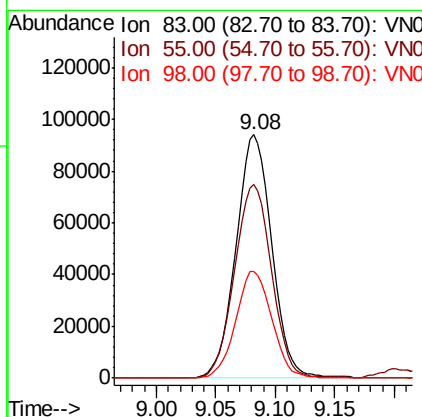
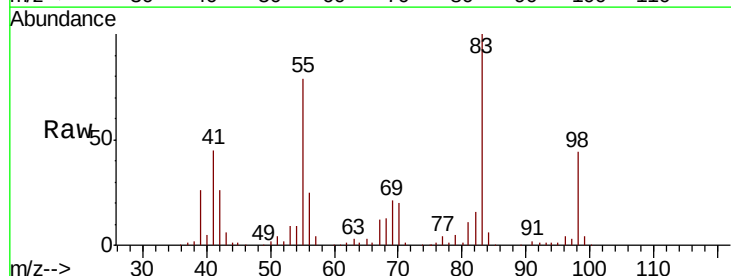
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

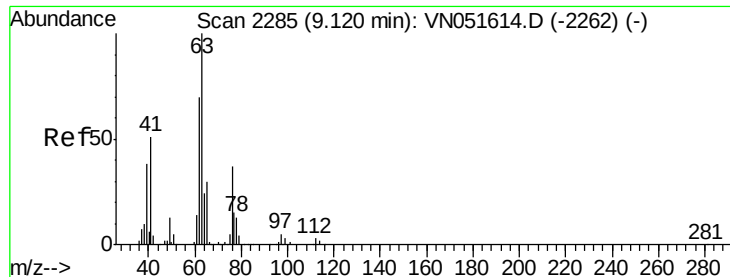
Tot Ion:130 Resp: 132672
 Ion Ratio Lower Upper
 130 100
 95 96.7 78.4 117.6



#38
 Methylcyclohexane
 Concen: 18.180 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion: 83 Resp: 195991
 Ion Ratio Lower Upper
 83 100
 55 82.3 41.6 124.9
 98 44.2 23.1 69.2





#39

1,2-Dichloropropane

Concen: 19.206 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

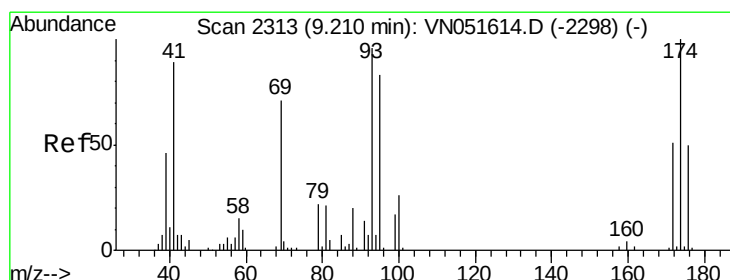
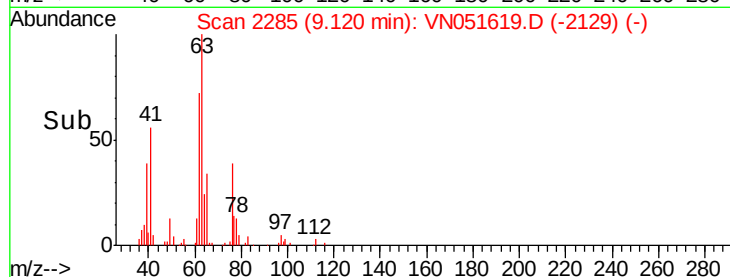
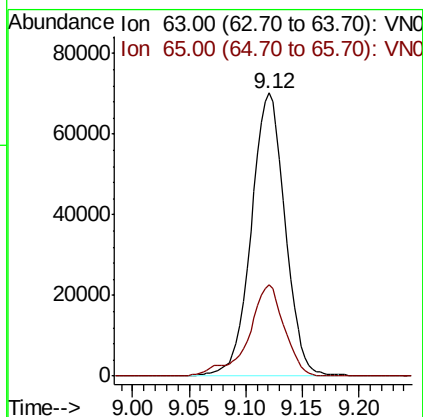
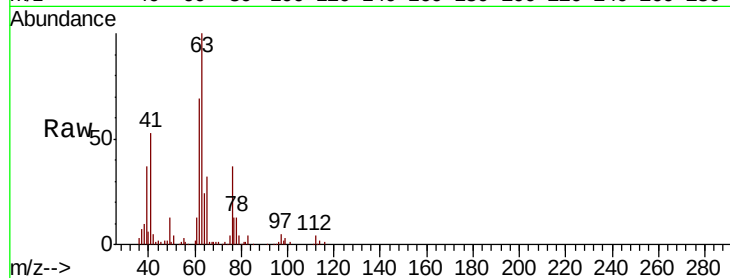
VN0928WBS01

Tot Ion: 63 Resp: 145868

Ion Ratio Lower Upper

63 100

65 32.1 24.4 36.6



#40

Dibromomethane

Concen: 19.755 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

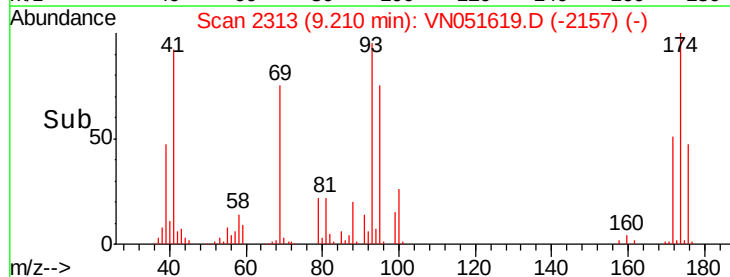
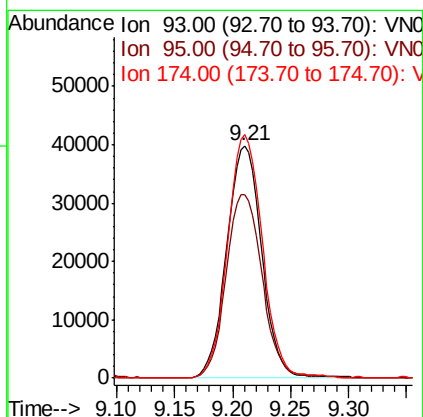
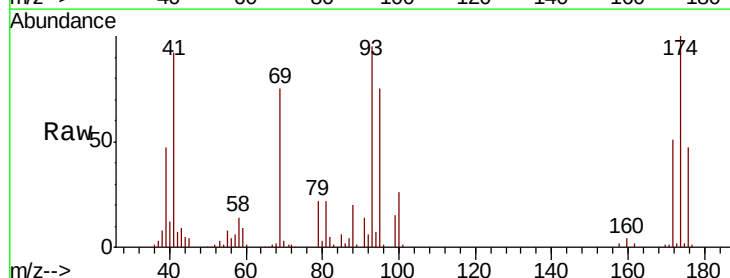
Tgt Ion: 93 Resp: 83348

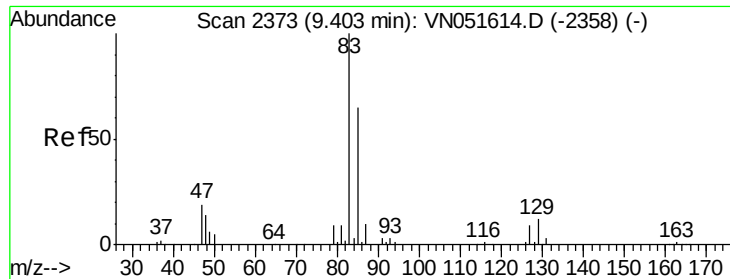
Ion Ratio Lower Upper

93 100

95 81.1 0.0 171.0

174 103.7 0.0 212.0





#41

Bromodichloromethane

Concen: 18.832 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

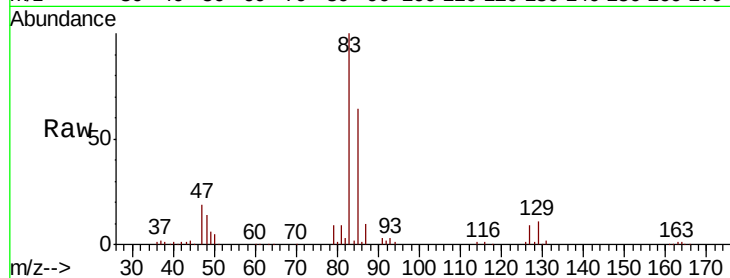
Tot Ion: 83 Resp: 173435

Ion Ratio Lower Upper

83 100

85 64.1 52.1 78.1

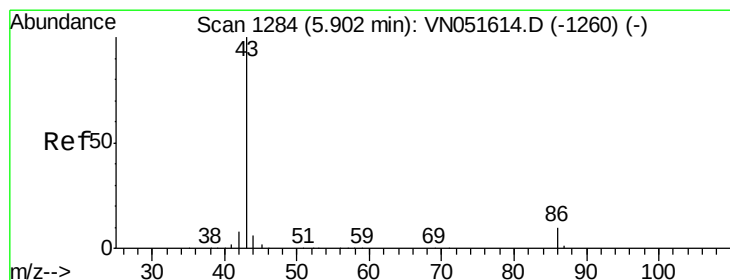
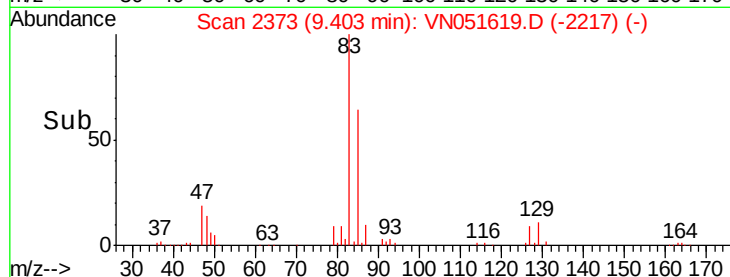
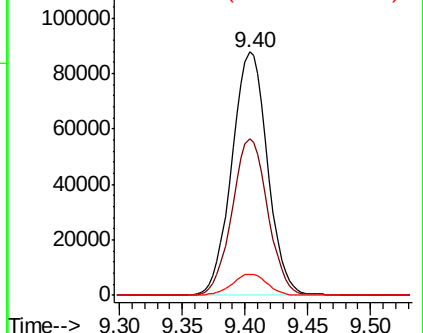
127 8.8 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 93.420 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051619.D

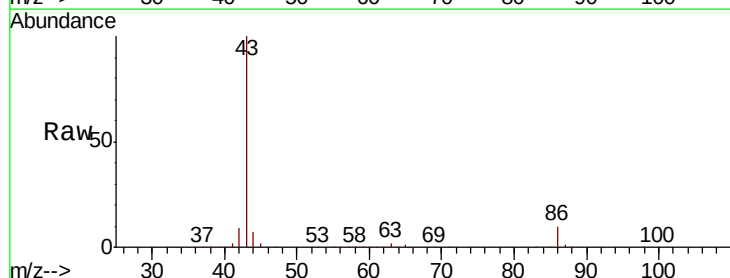
Acq: 28 Sep 2018 17:09

Tgt Ion: 43 Resp: 1322433

Ion Ratio Lower Upper

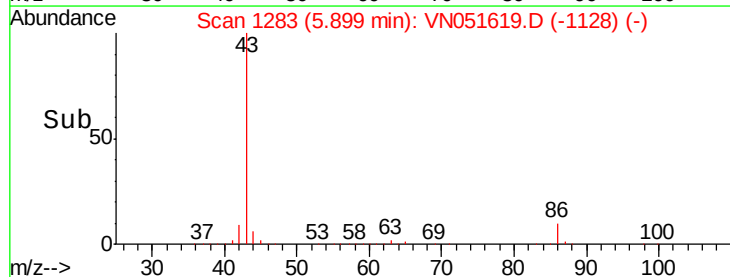
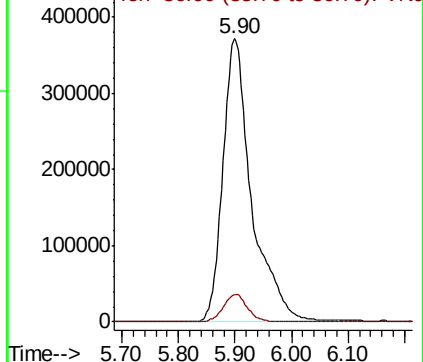
43 100

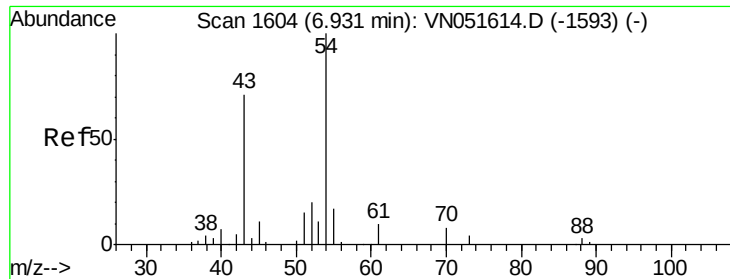
86 8.2 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

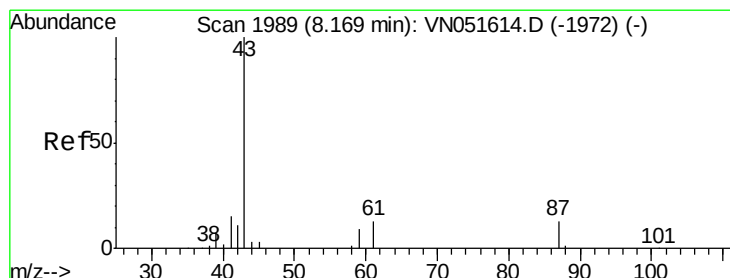
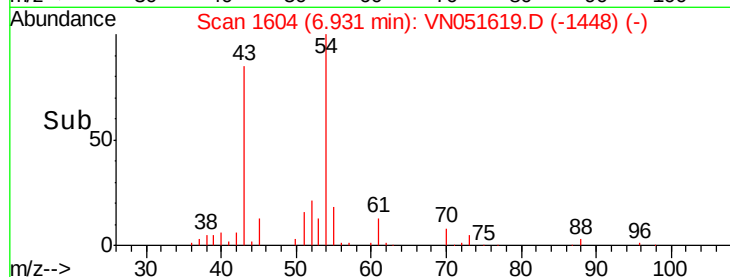
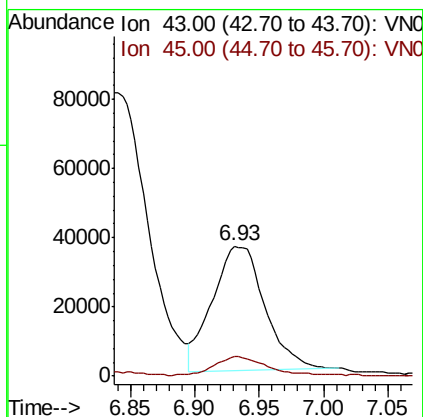
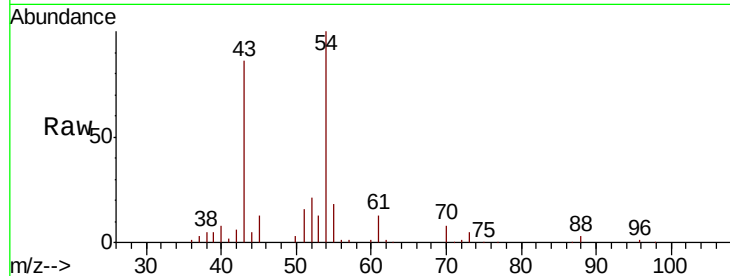




#43
Ethyl Acetate
Concen: 18.973 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

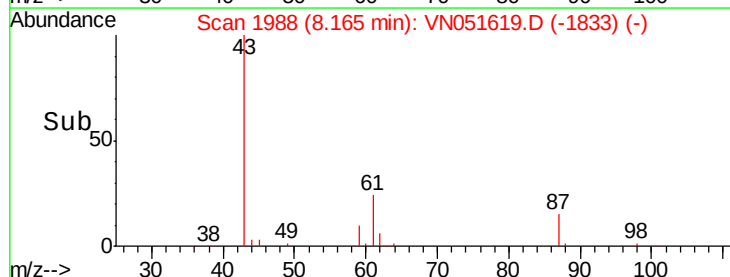
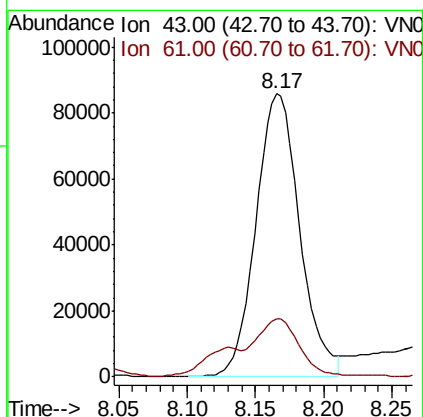
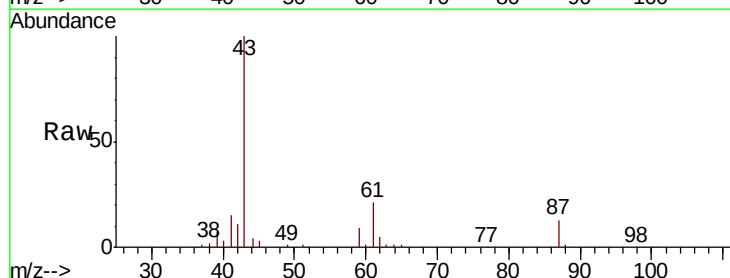
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

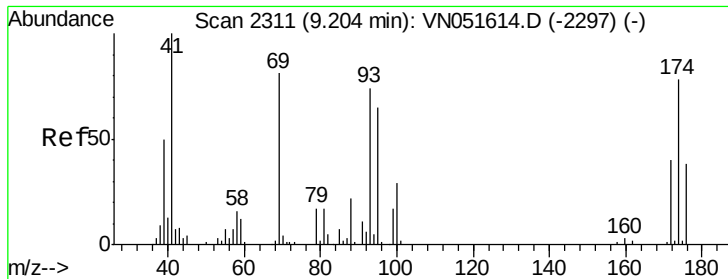
Tot Ion: 43 Resp: 102117
Ion Ratio Lower Upper
43 100
45 13.6 10.6 16.0



#44
Isopropyl Acetate
Concen: 18.184 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 43 Resp: 191625
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0





#45

1,4-Dioxane

Concen: 397.723 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

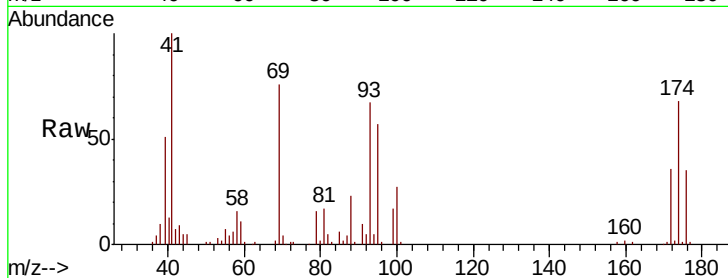
Tot Ion: 88 Resp: 22673

Ion Ratio Lower Upper

88 100

43 36.4 29.0 43.6

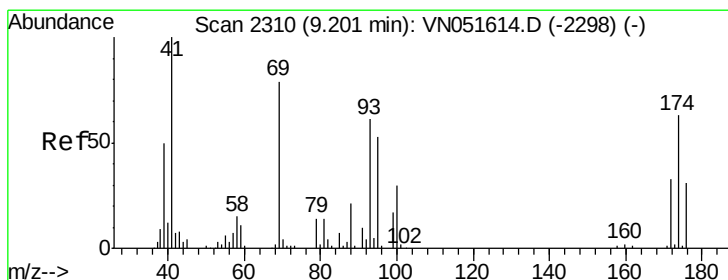
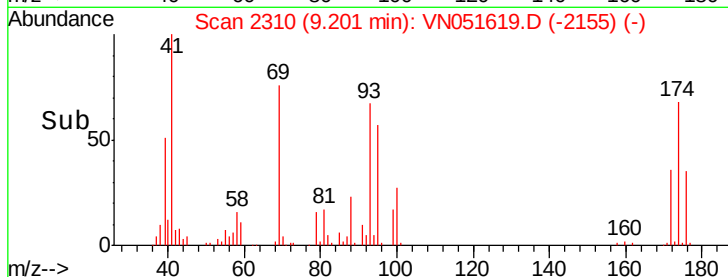
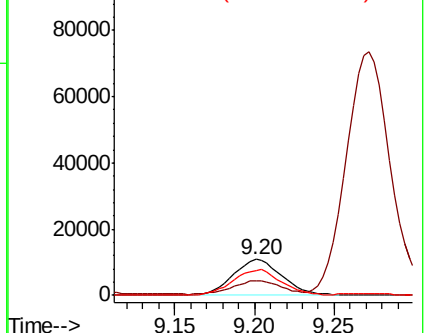
58 71.0 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 18.243 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

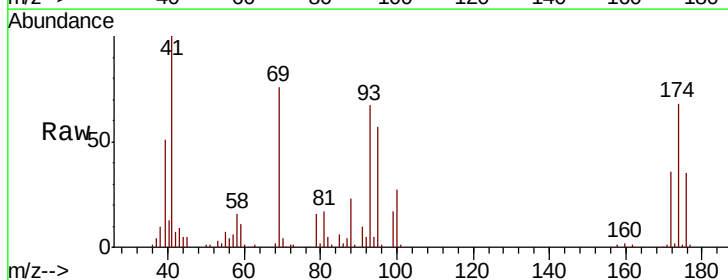
Tgt Ion: 41 Resp: 89431

Ion Ratio Lower Upper

41 100

69 78.0 39.6 118.7

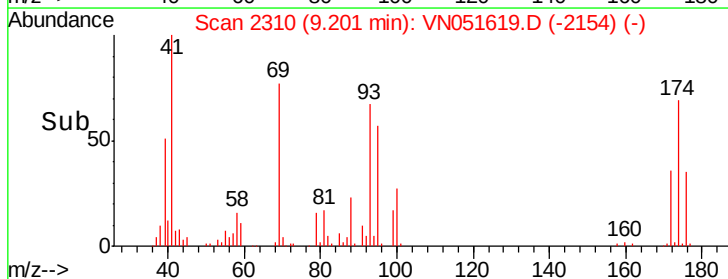
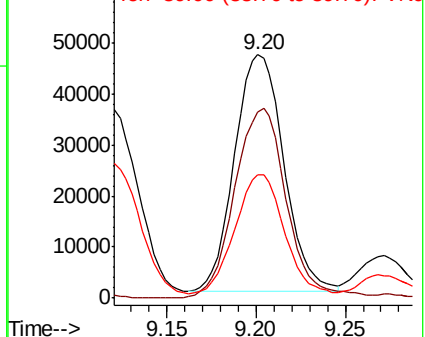
39 50.3 24.9 74.6

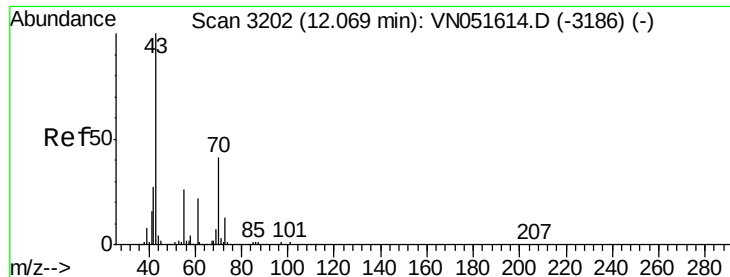


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 17.224 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

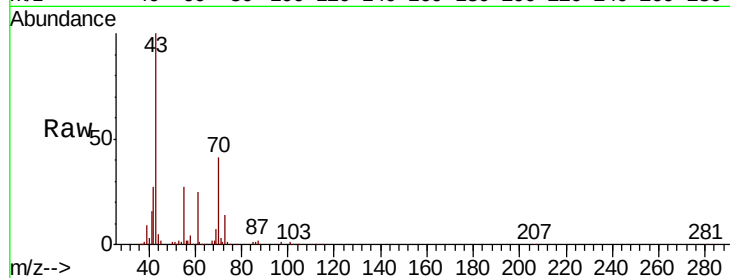
VN0928WBS01

Tot Ion: 43 Resp: 135812

Ion Ratio Lower Upper

43 100

55 27.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

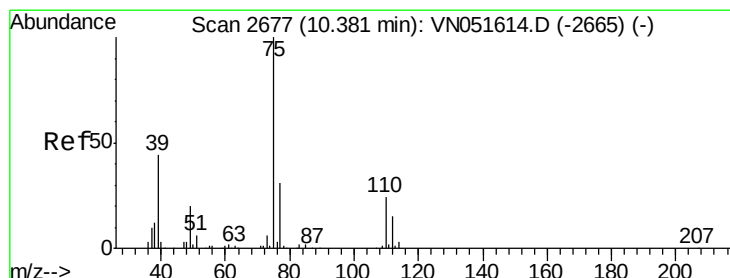
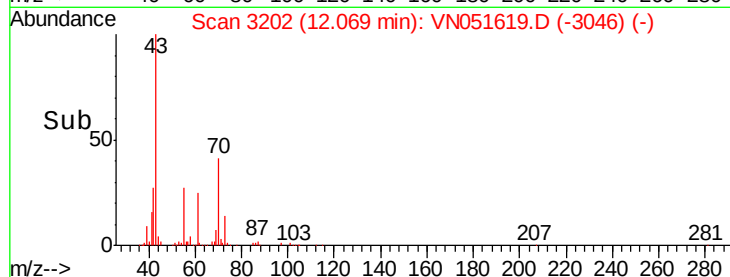
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 17.942 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051619.D

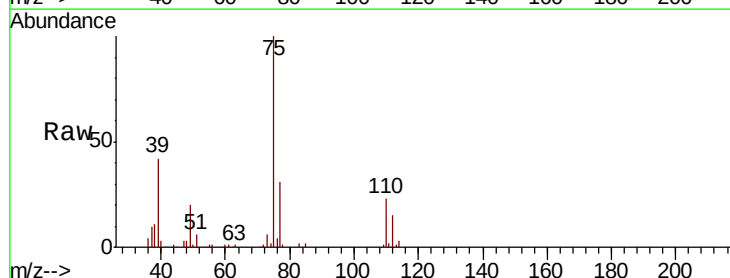
Acq: 28 Sep 2018 17:09

Tgt Ion: 75 Resp: 164915

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

100000

80000

60000

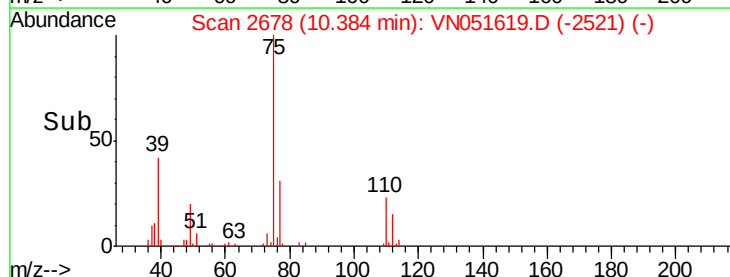
40000

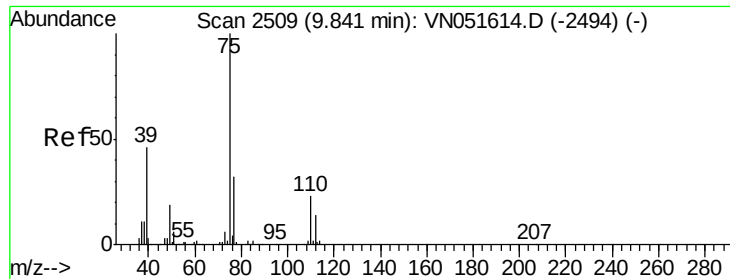
20000

0

Time-->

10.30 10.40 10.50



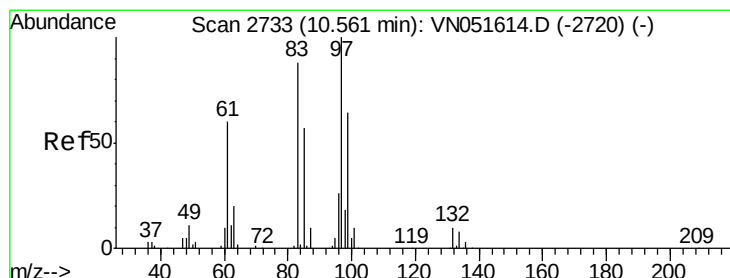
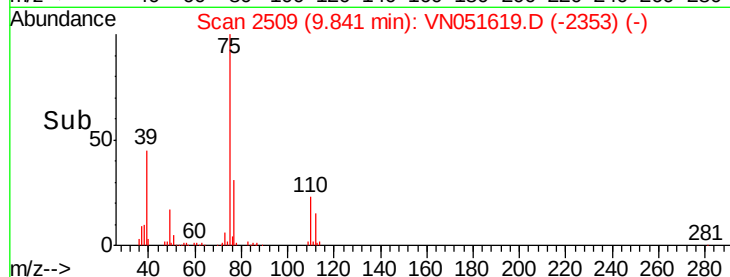
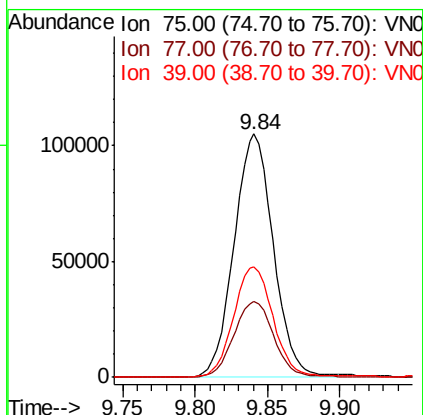
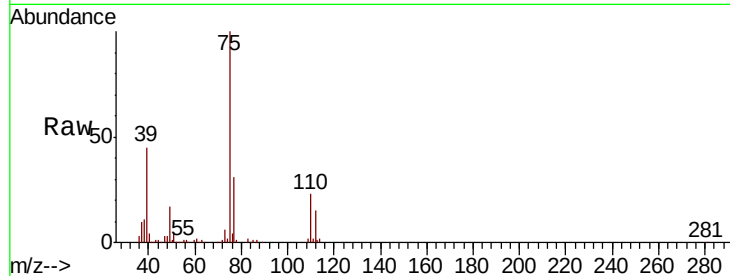


#49

cis-1,3-Dichloropropene
 Concen: 18.406 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

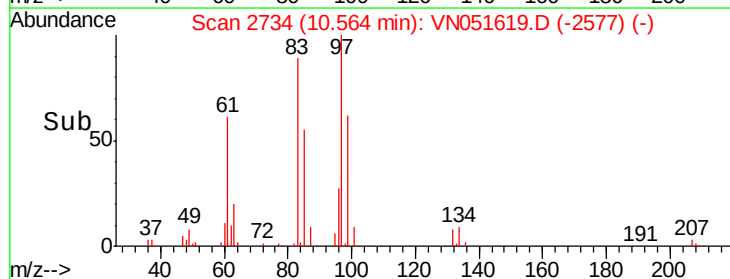
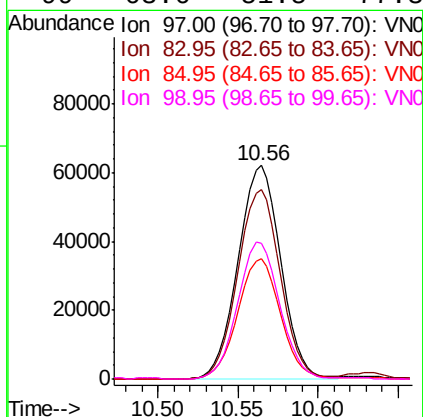
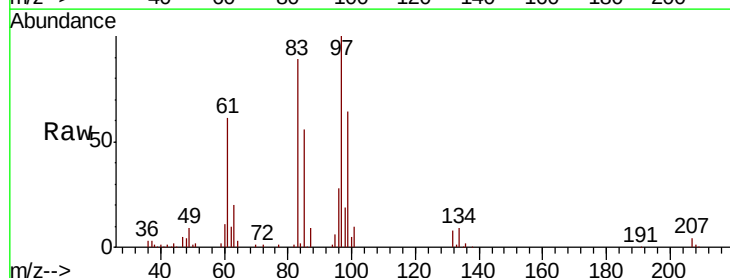
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	45.2	36.6	55.0

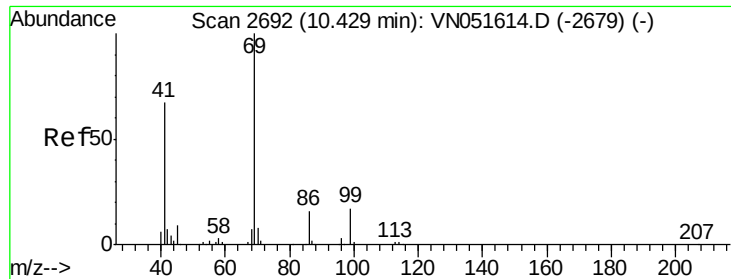


#50

1,1,2-Trichloroethane
 Concen: 18.954 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.2	105.2
85	56.2	45.6	68.4
99	63.6	51.5	77.3





#51

Ethyl methacrylate

Concen: 18.016 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

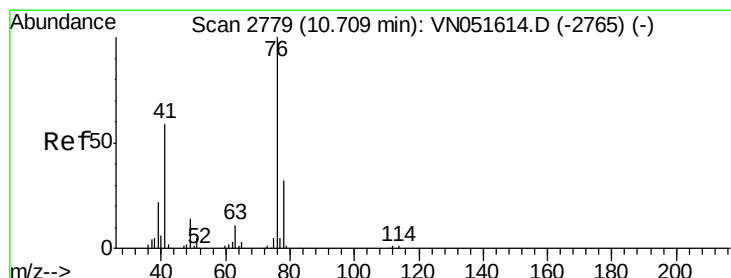
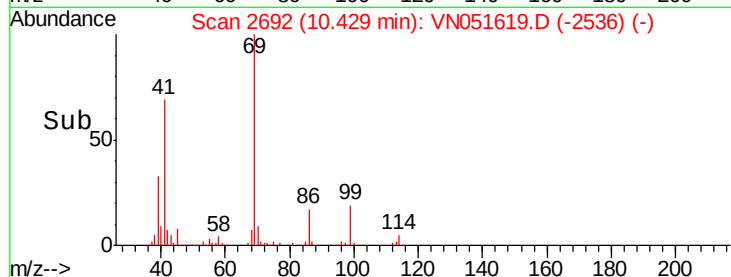
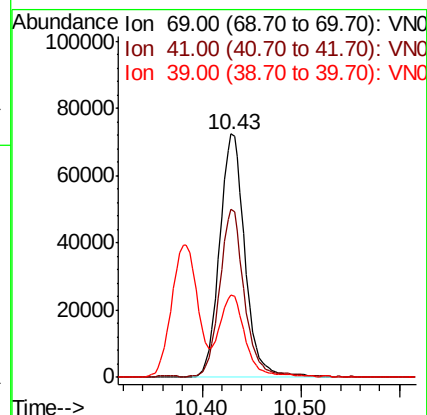
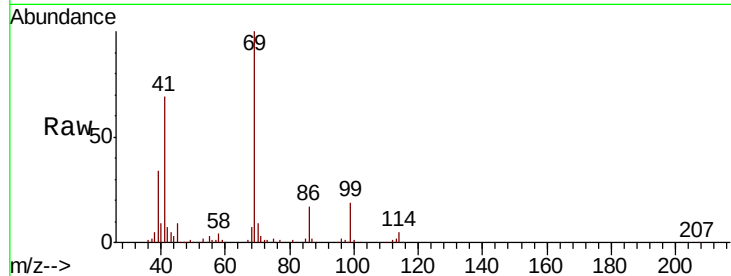
Tot Ion: 69 Resp: 130326

Ion Ratio Lower Upper

69 100

41 68.9 33.3 99.8

39 33.6 17.2 51.6



#52

1,3-Dichloropropane

Concen: 19.079 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051619.D

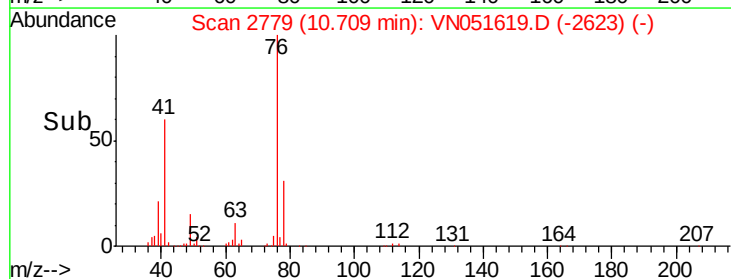
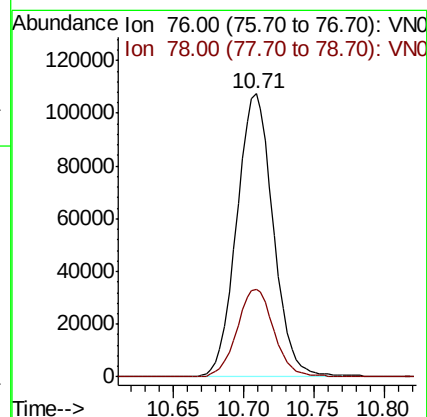
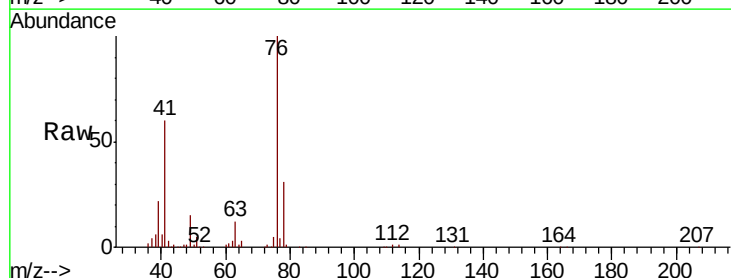
Acq: 28 Sep 2018 17:09

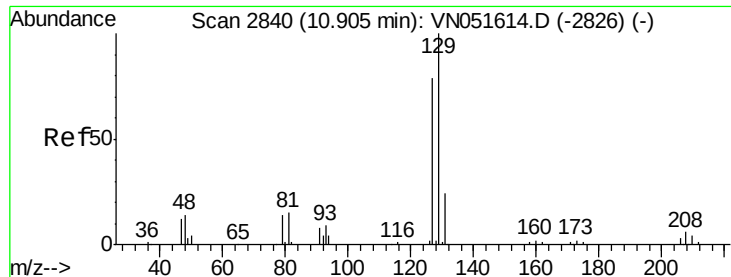
Tgt Ion: 76 Resp: 195041

Ion Ratio Lower Upper

76 100

78 31.3 0.0 63.4





#53

Dibromochloromethane

Concen: 18.591 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

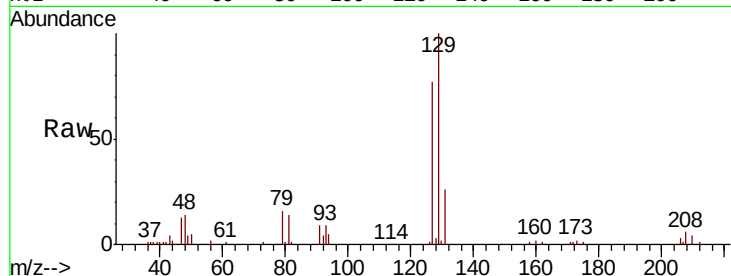
VN0928WBS01

Tot Ion:129 Resp: 126243

Ion Ratio Lower Upper

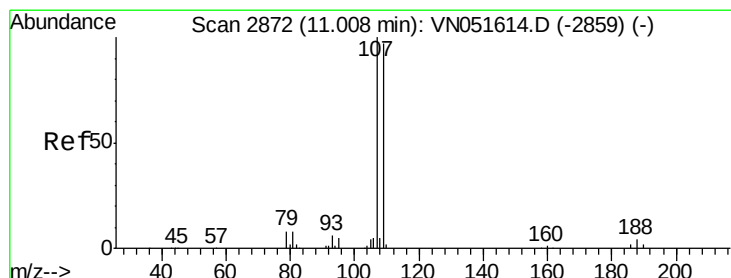
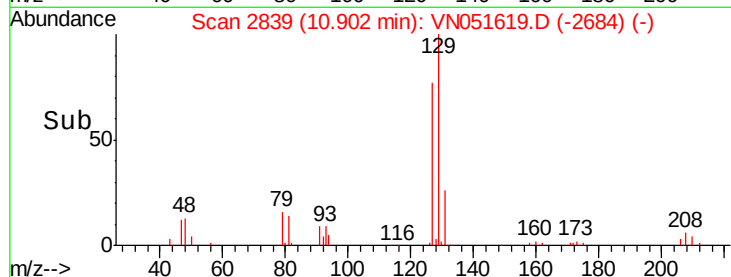
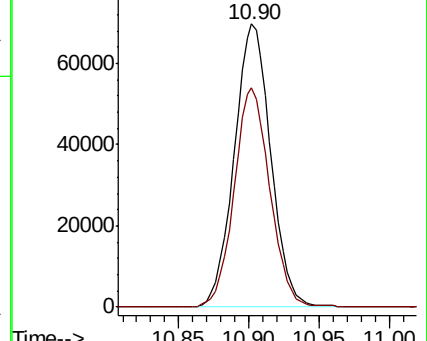
129 100

127 75.7 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.932 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051619.D

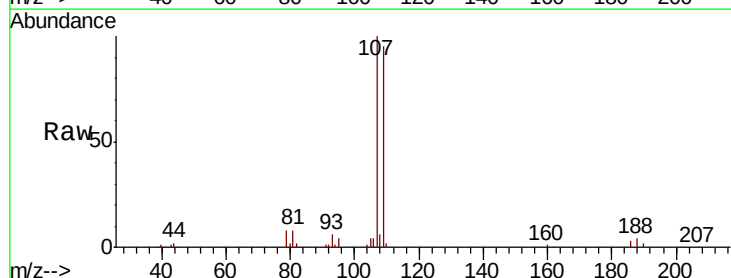
Acq: 28 Sep 2018 17:09

Tgt Ion:107 Resp: 108310

Ion Ratio Lower Upper

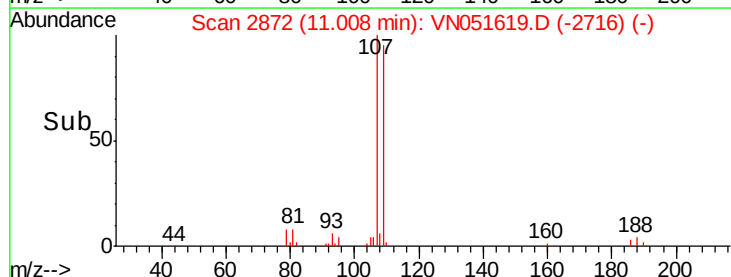
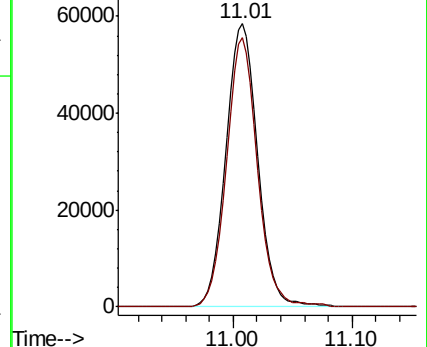
107 100

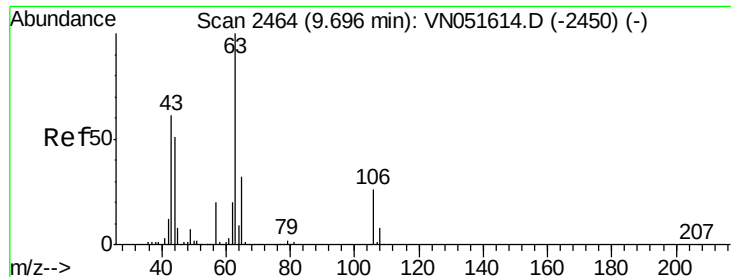
109 91.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

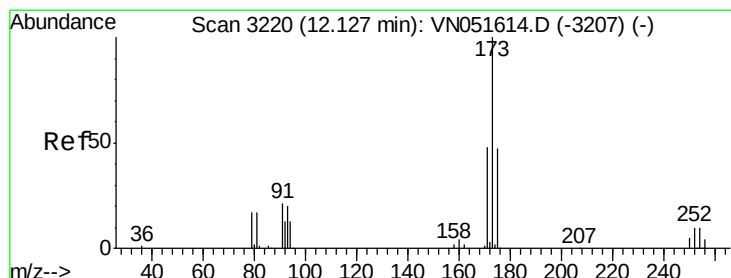
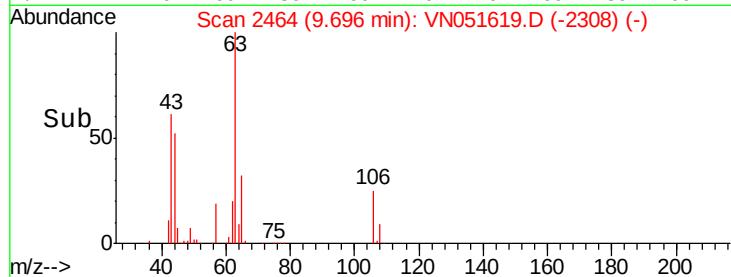
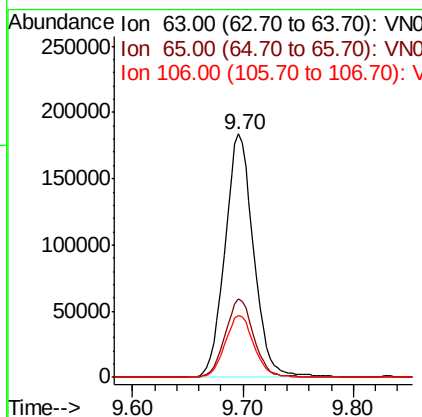
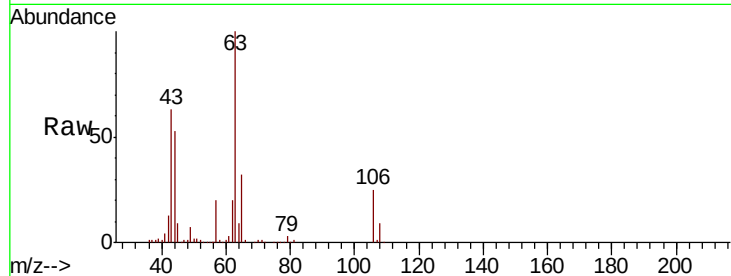




#55
 2-Chloroethyl vinyl ether
 Concen: 92.693 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

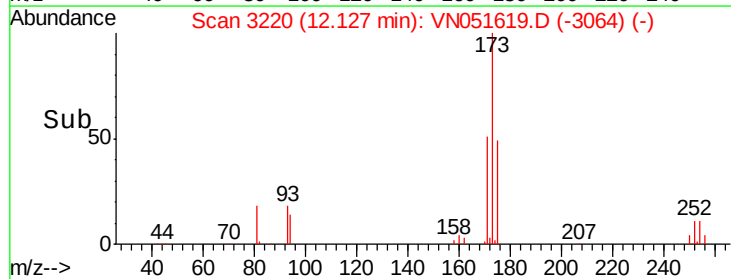
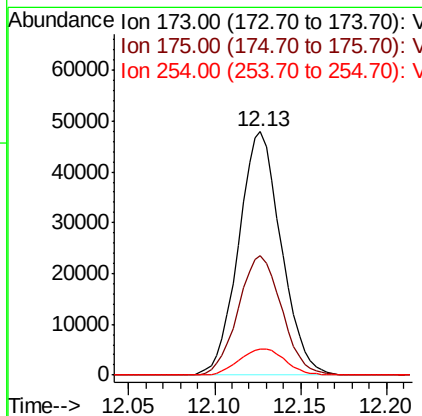
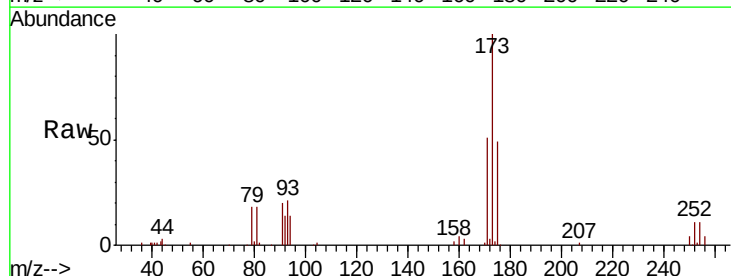
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

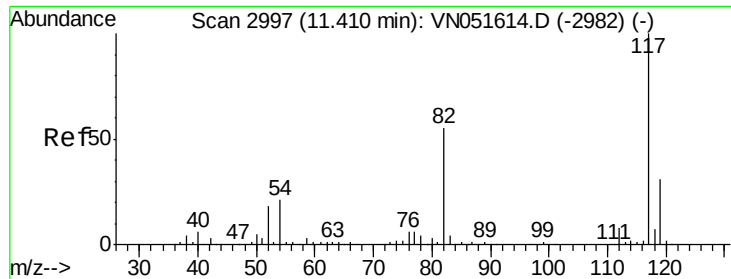
Tot Ion	63	Resp	331436
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6
106	25.5	20.4	30.6



#56
 Bromoform
 Concen: 18.269 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	173	Resp	82321
Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.0	58.4
254	11.6	8.7	13.1

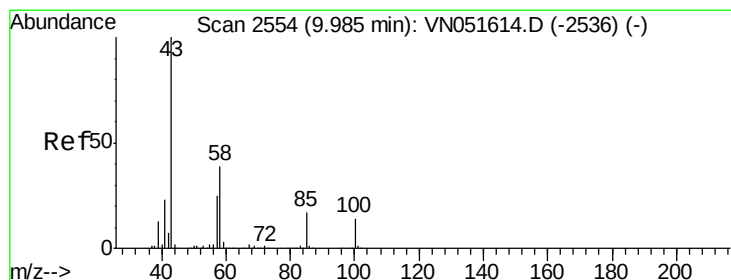
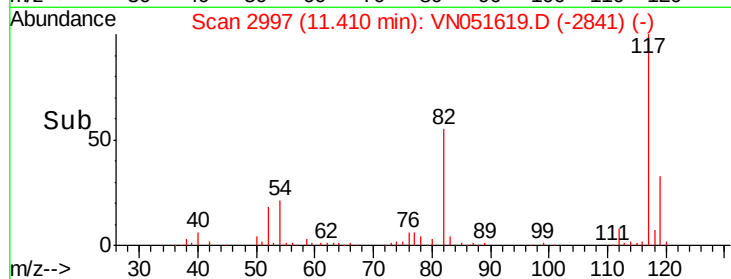
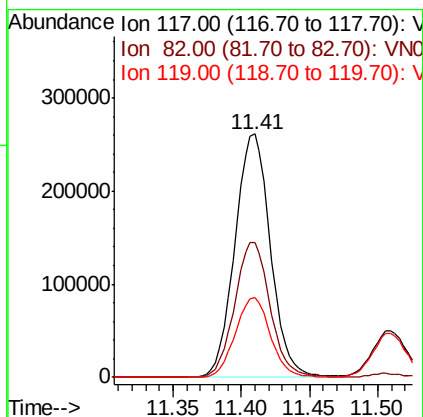
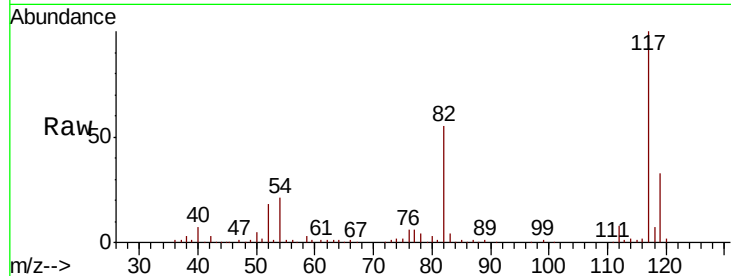




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

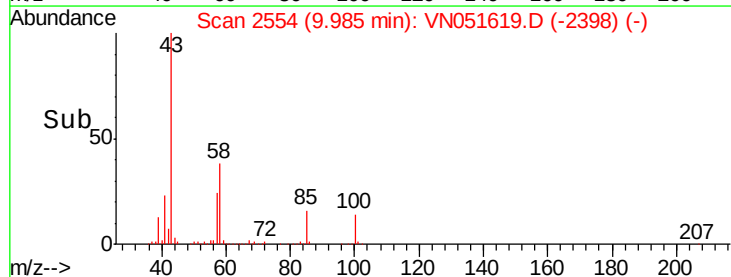
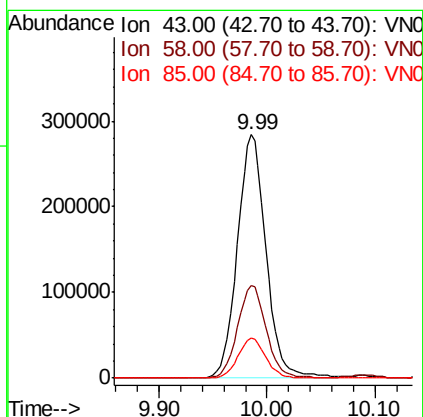
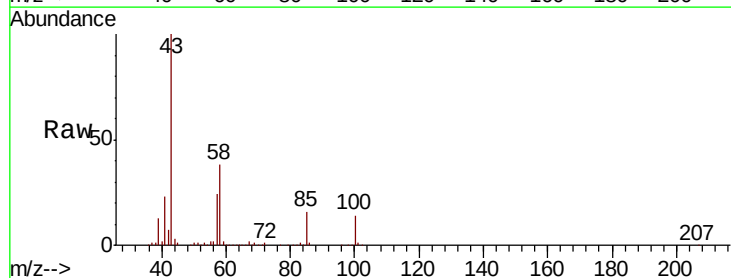
Instrument :
MSVOA_N
ClientSampleId :
VN0928WBS01

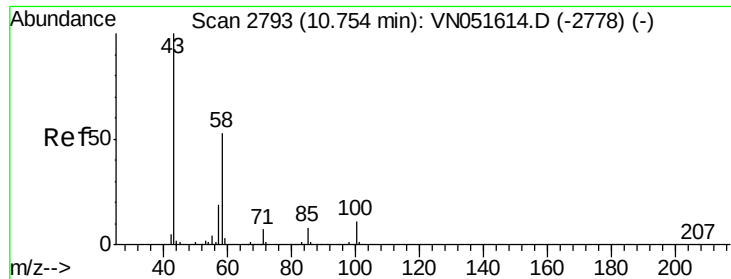
Tot Ion:117 Resp: 474292
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.2 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 97.497 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion: 43 Resp: 525016
Ion Ratio Lower Upper
43 100
58 38.1 31.0 46.4
85 15.9 13.4 20.2

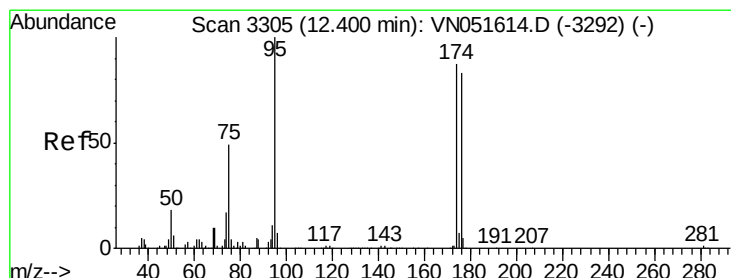
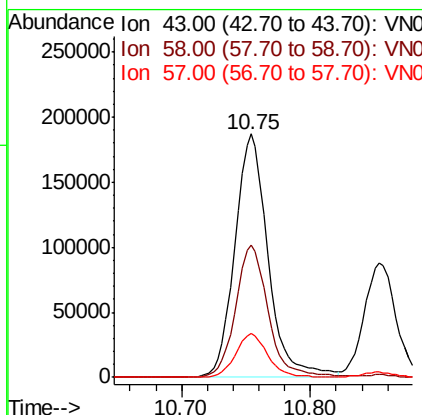
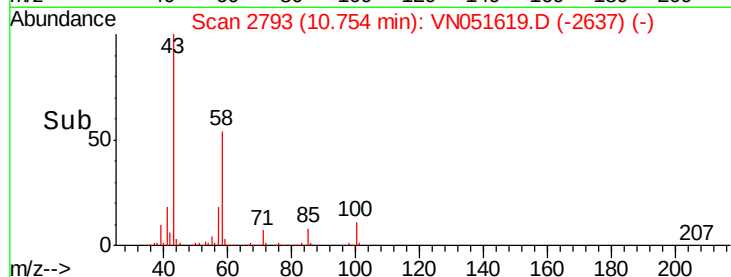
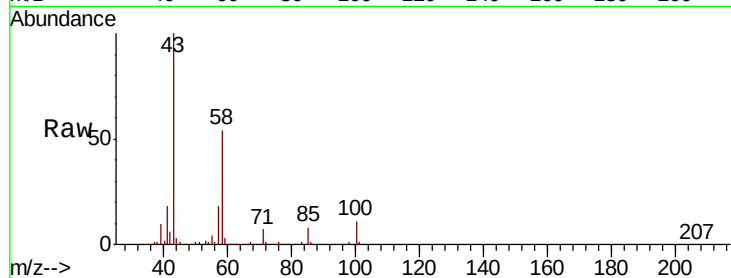




#59
2-Hexanone
Concen: 94.147 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

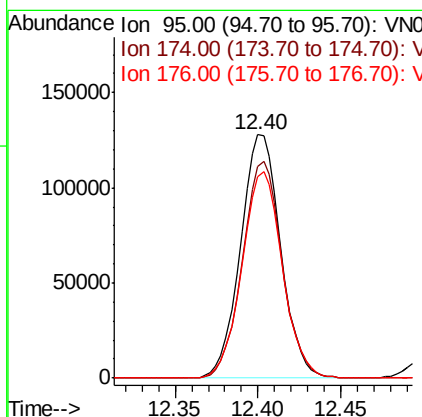
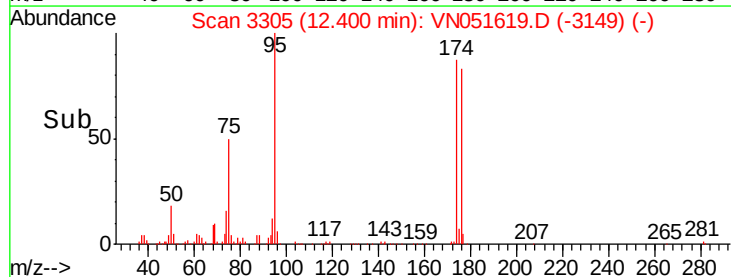
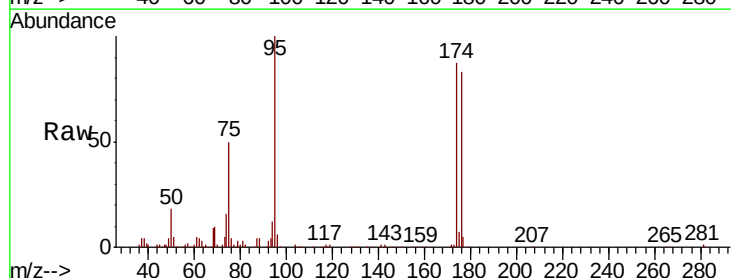
Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

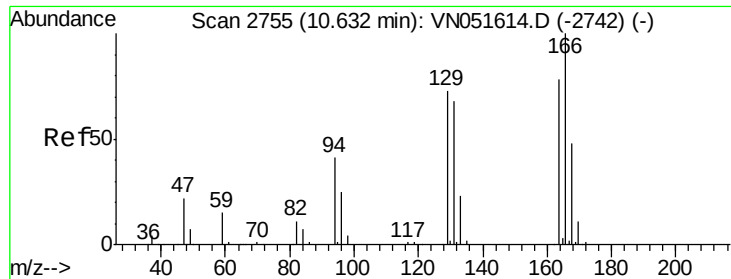
Tot Ion	43	Resp	333524
Ion Ratio	Lower	Upper	
43	100		
58	53.6	41.5	62.3
57	17.5	14.2	21.4



#60
4-Bromofluorobenzene
Concen: 94.147 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion	95	Resp	214752
Ion Ratio	Lower	Upper	
95	100		
174	88.4	71.2	106.8
176	85.6	67.8	101.8





#61

Tetrachloroethene

Concen: 19.482 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

VN0928WBS01

Tot Ion:164 Resp: 130821

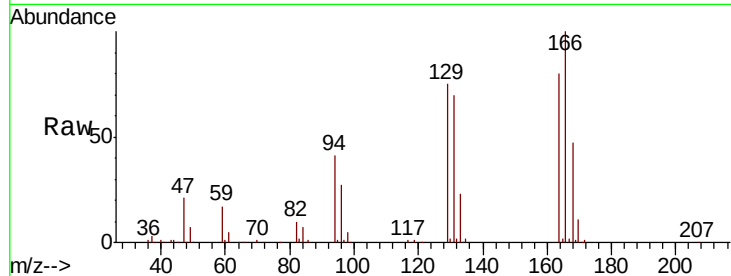
Ion Ratio Lower Upper

164 100

166 125.4 103.1 154.7

129 93.5 75.3 112.9

131 88.0 70.8 106.2

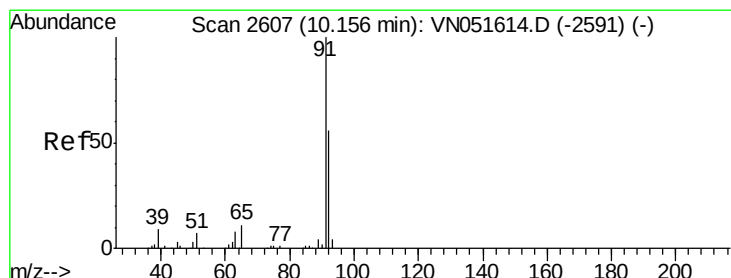
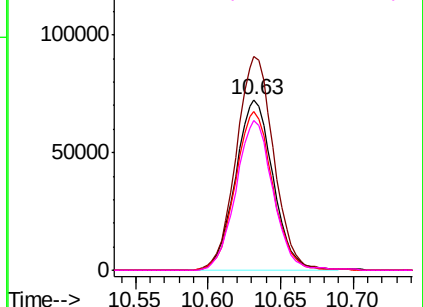
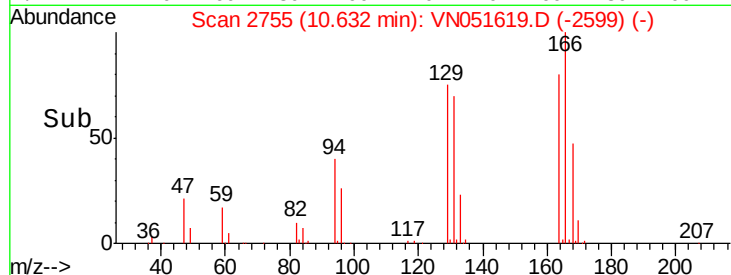


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.032 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051619.D

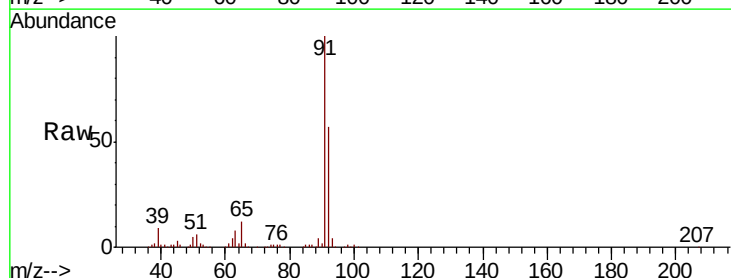
Acq: 28 Sep 2018 17:09

Tgt Ion: 91 Resp: 553507

Ion Ratio Lower Upper

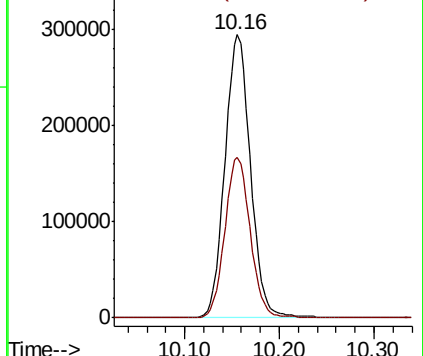
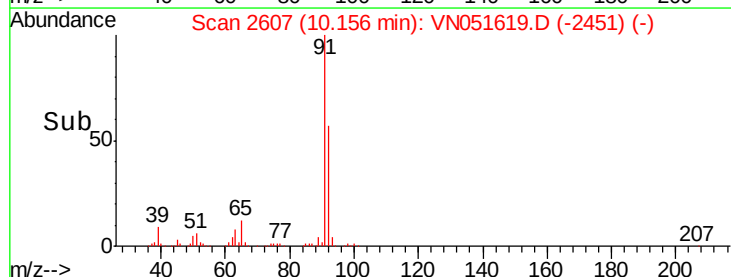
91 100

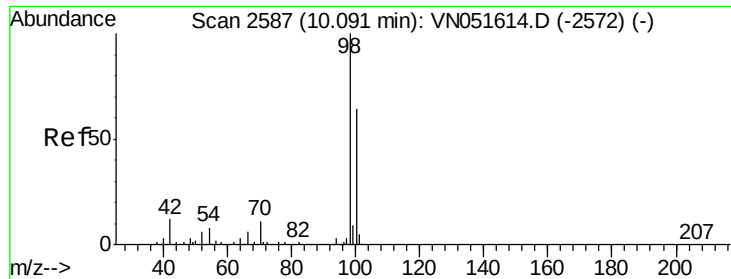
92 56.3 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.032 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

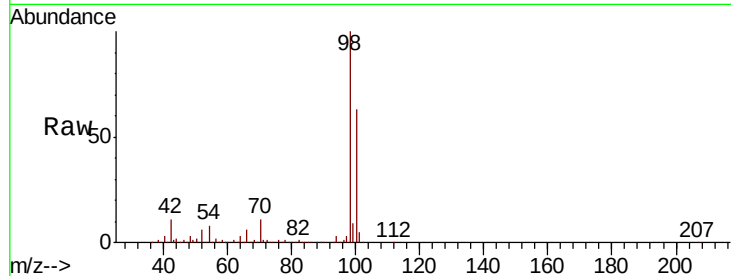
VN0928WBS01

Tot Ion: 98 Resp: 683163

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051619.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN051619.D (-2572) (-)

10.09

400000

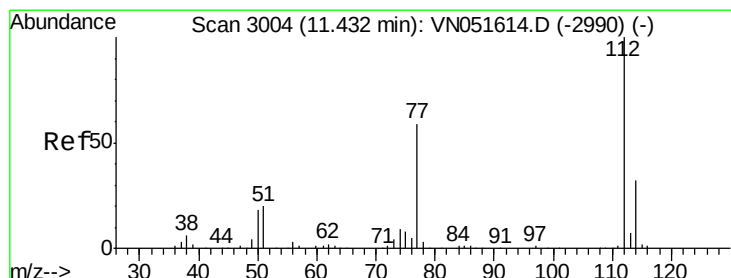
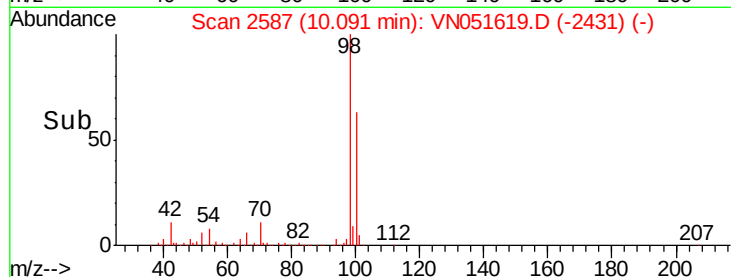
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 18.503 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051619.D

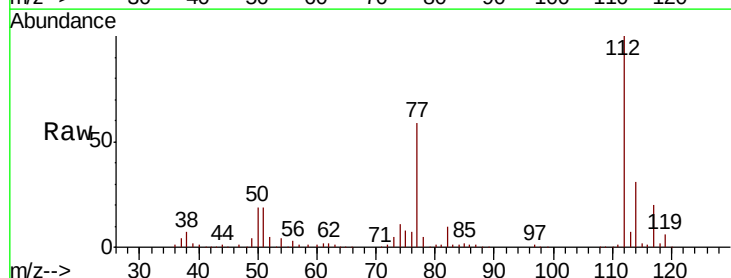
Acq: 28 Sep 2018 17:09

Tgt Ion: 112 Resp: 325352

Ion Ratio Lower Upper

112 100

114 31.1 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): VN051619.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN051619.D (-2848) (-)

11.43

200000

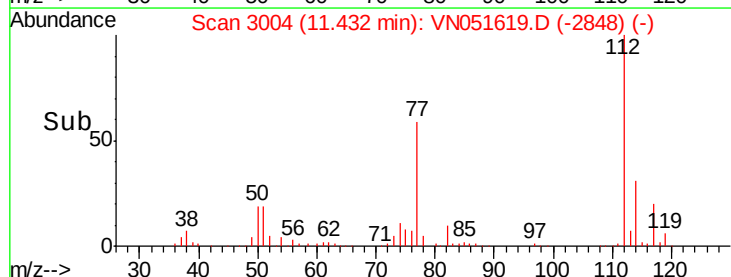
150000

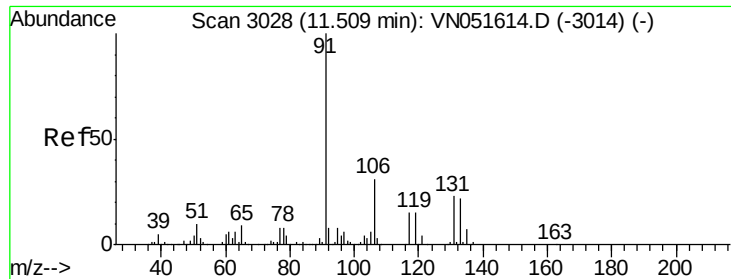
100000

50000

0

Time-->

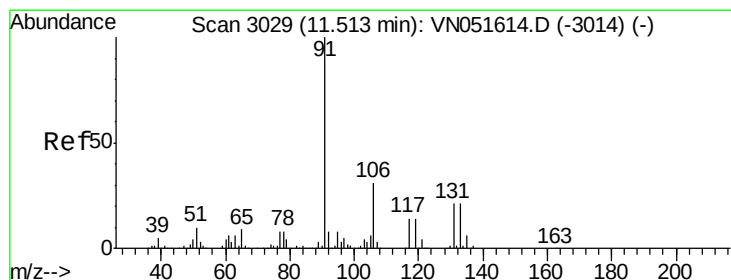
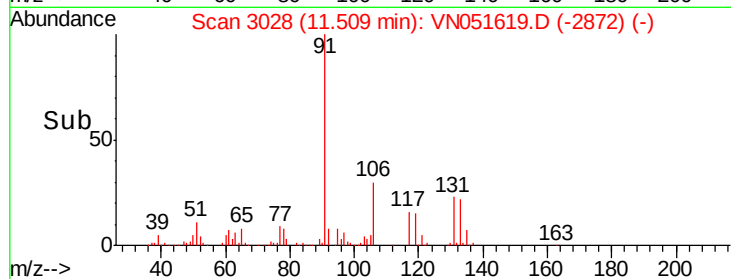
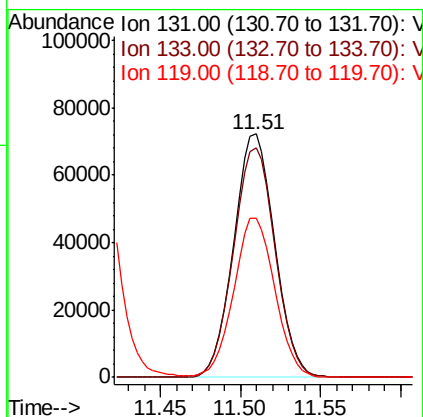
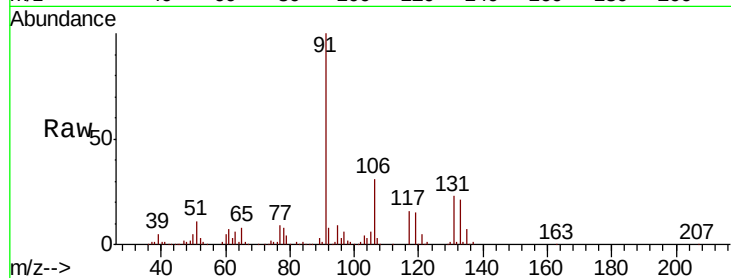




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.786 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

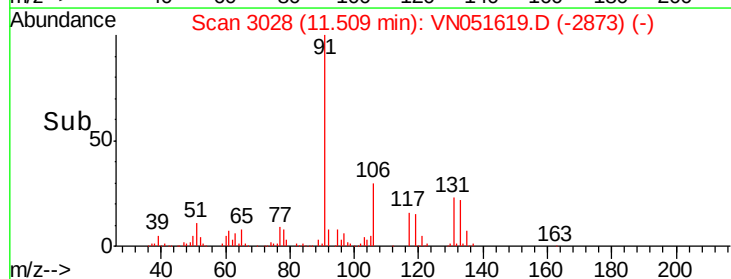
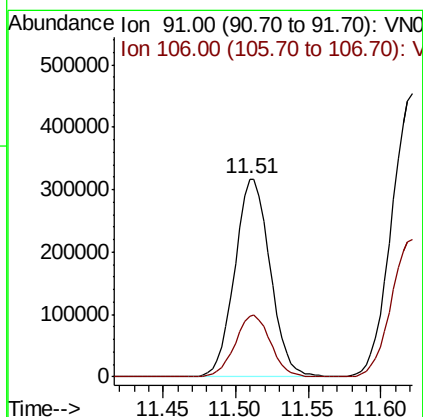
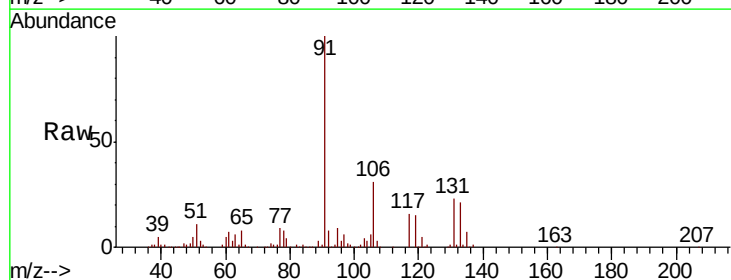
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

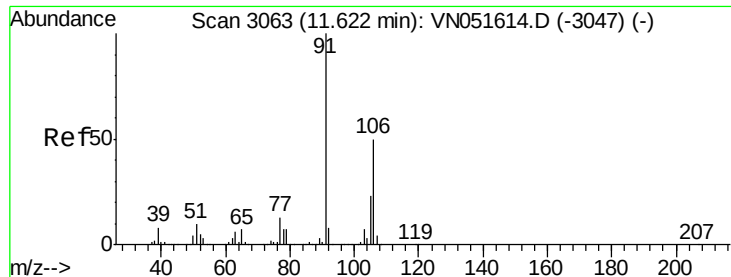
Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	0.0	193.0
119	65.4	0.0	135.0



#66
 Ethyl Benzene
 Concen: 18.157 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.0	37.4





#67

m/p-Xylenes

Concen: 37.167 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

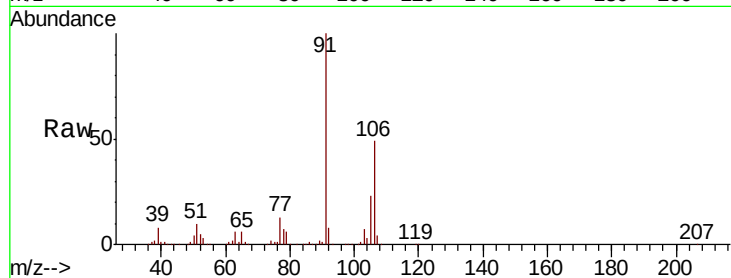
VN0928WBS01

Tot Ion:106 Resp: 426359

Ion Ratio Lower Upper

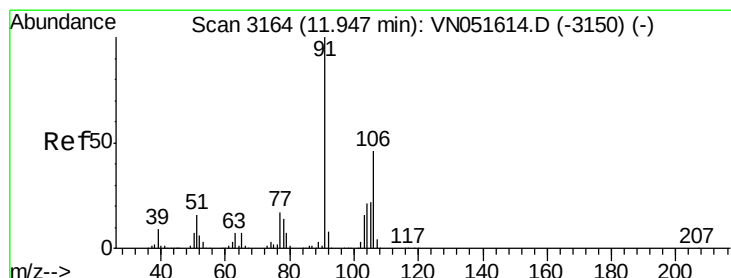
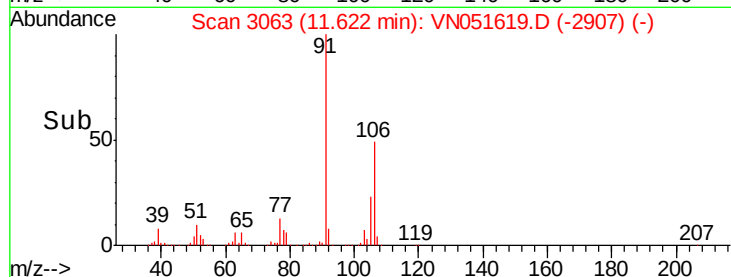
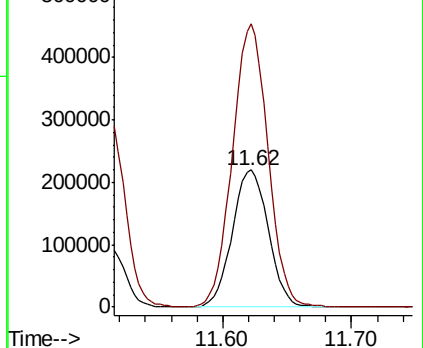
106 100

91 203.5 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.486 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051619.D

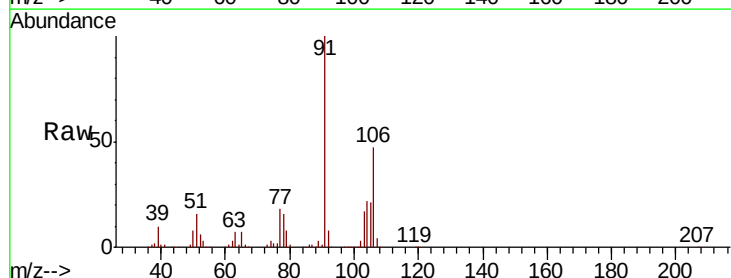
Acq: 28 Sep 2018 17:09

Tgt Ion:106 Resp: 202426

Ion Ratio Lower Upper

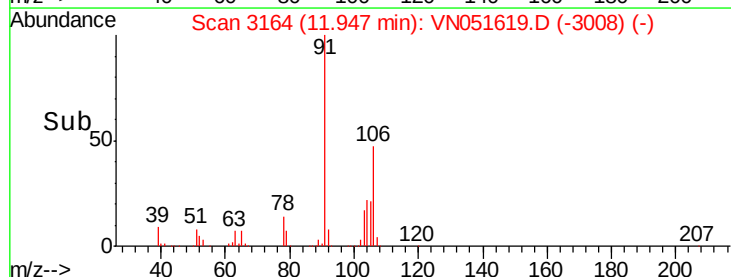
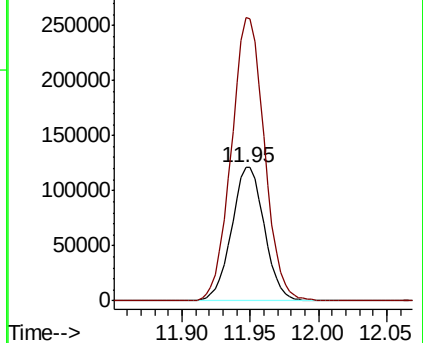
106 100

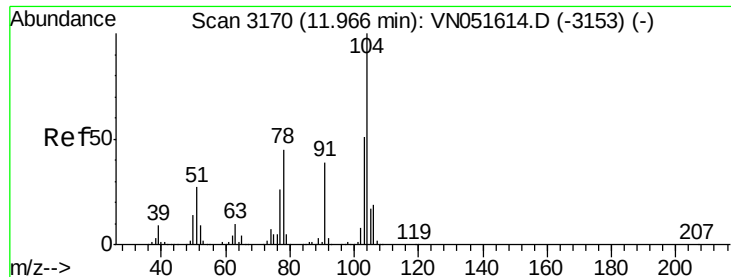
91 213.3 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

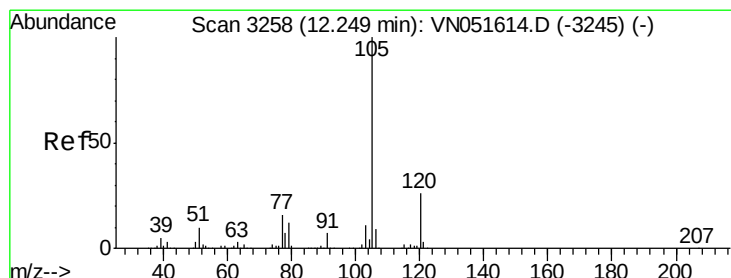
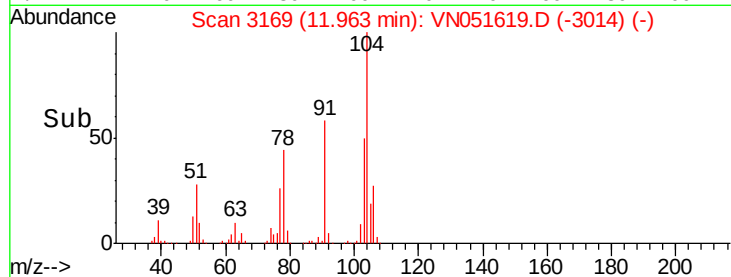
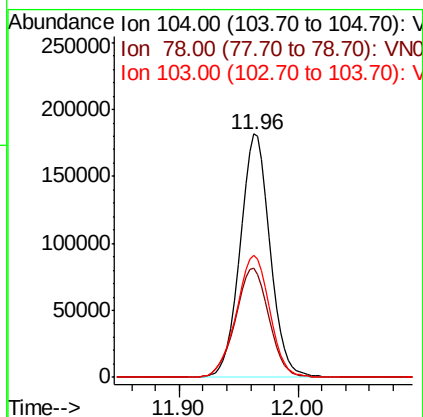
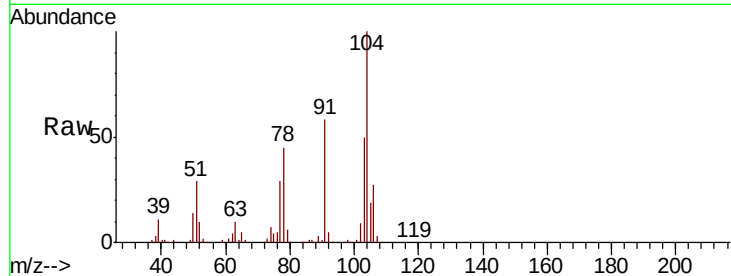




#69
Stvrene
Concen: 18.429 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

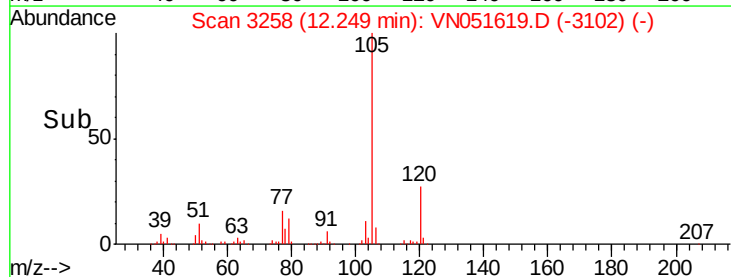
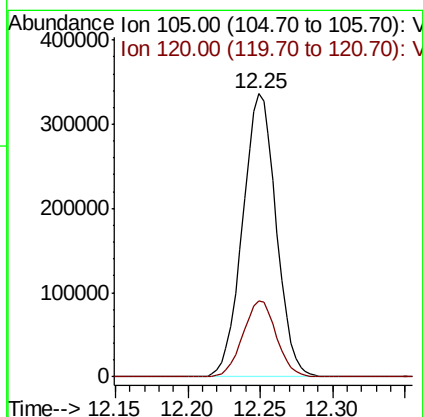
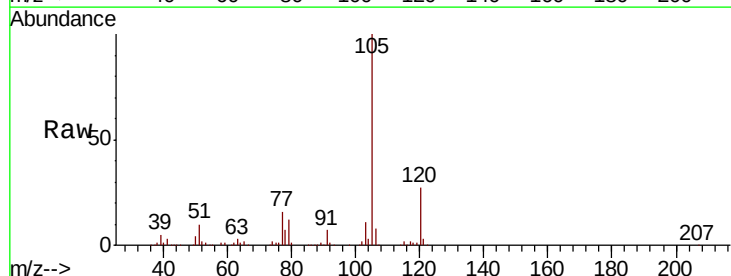
Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

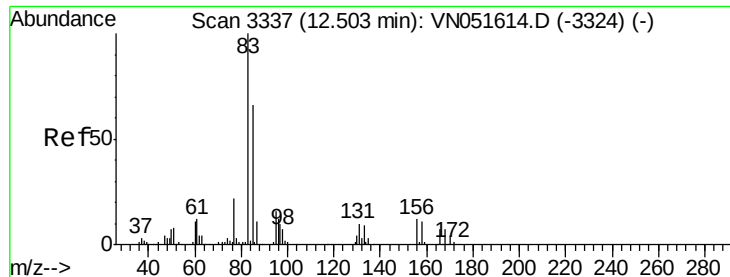
Tot Ion:104 Resp: 316751
Ion Ratio Lower Upper
104 100
78 50.5 40.3 60.5
103 55.9 45.7 68.5



#70
Isopropylbenzene
Concen: 18.530 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion:105 Resp: 541266
Ion Ratio Lower Upper
105 100
120 26.8 18.7 34.7

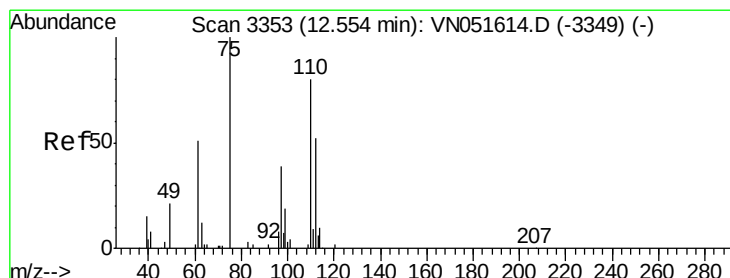
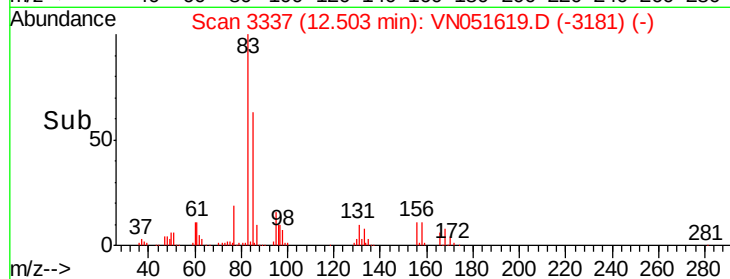
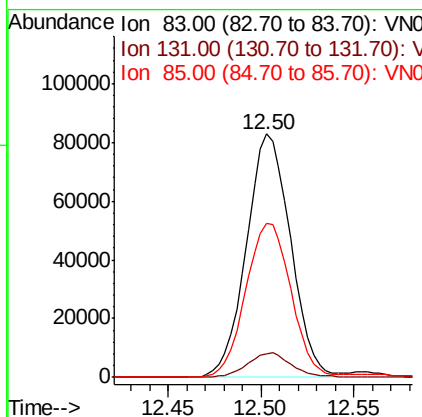
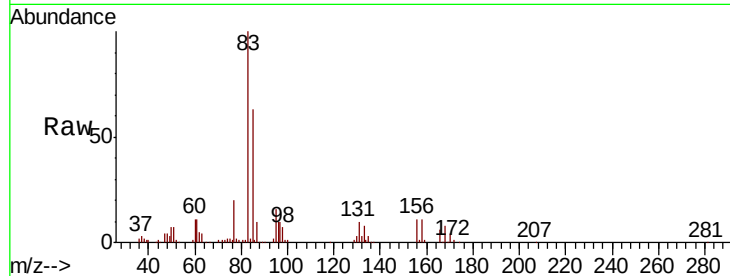




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.466 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

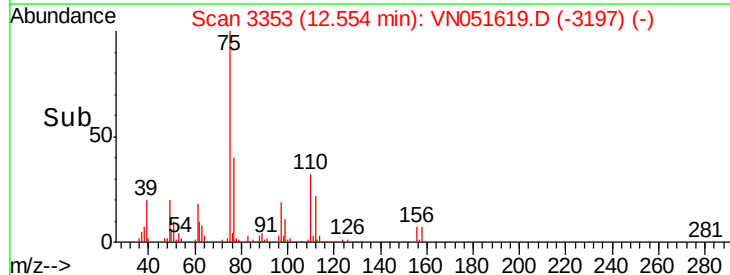
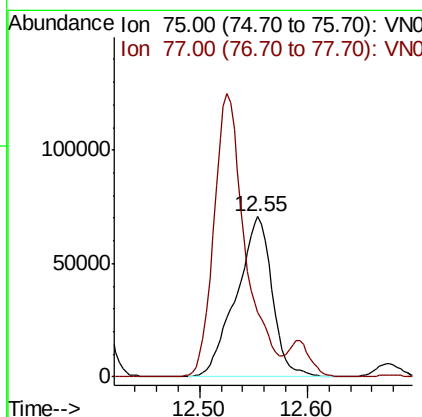
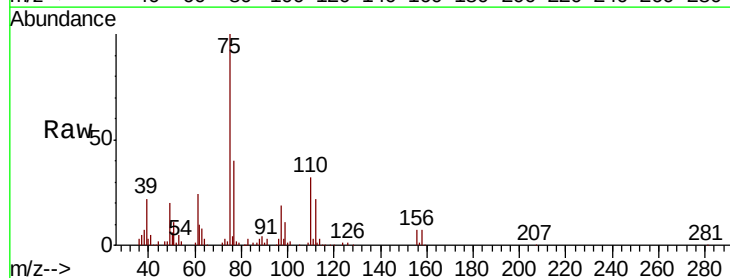
Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

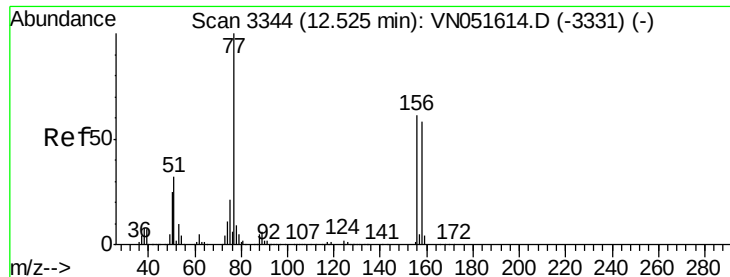
Tot Ion	83	Resp	137565
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	64.6	32.0	96.2



#72
 1,2,3-Trichloropropane
 Concen: 27.026 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	75	Resp	163291
Ion Ratio	Lower	Upper	
75	100		
77	154.7	0.0	492.2





#73

Bromobenzene

Concen: 18.321 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

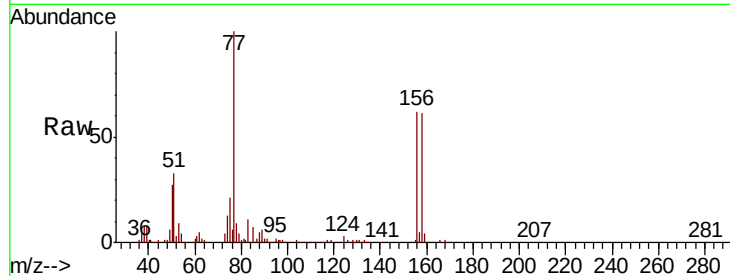
Tot Ion:156 Resp: 133175

Ion Ratio Lower Upper

156 100

77 189.6 0.0 385.2

158 97.2 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V

150000

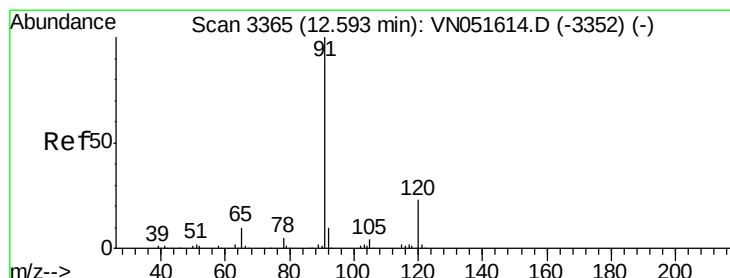
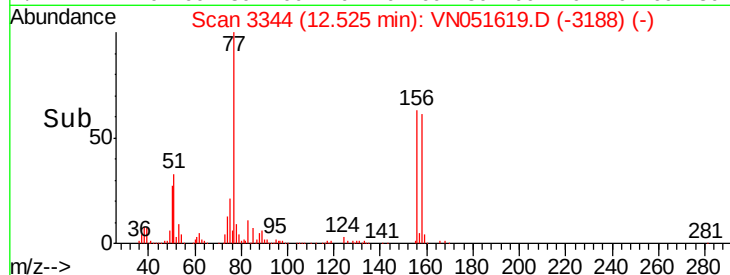
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#74

n-propylbenzene

Concen: 18.306 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051619.D

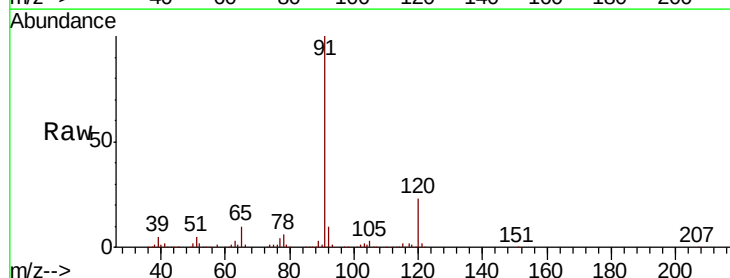
Acq: 28 Sep 2018 17:09

Tgt Ion: 91 Resp: 622493

Ion Ratio Lower Upper

91 100

120 22.9 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

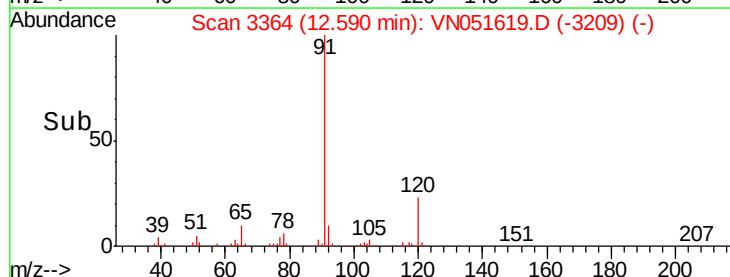
200000

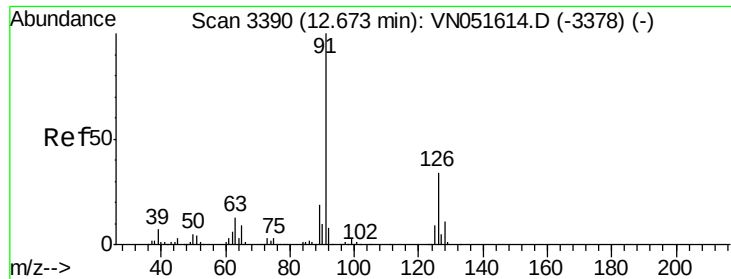
100000

0

12.55 12.60 12.65

Time-->





#75

2-Chlorotoluene

Concen: 18.385 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

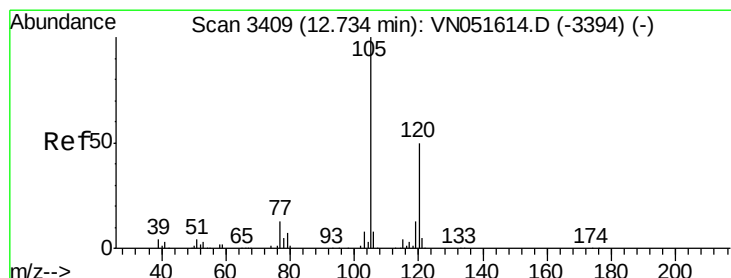
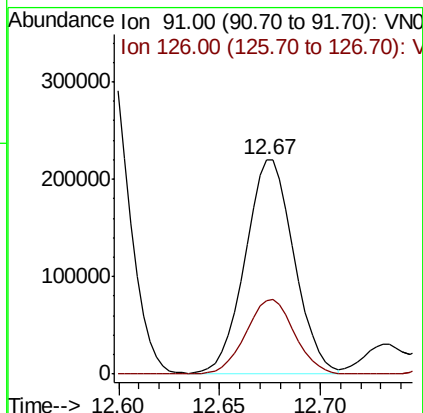
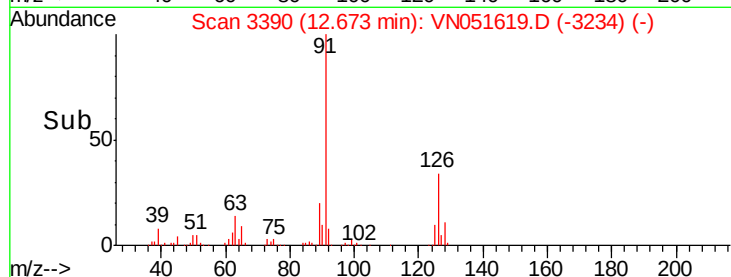
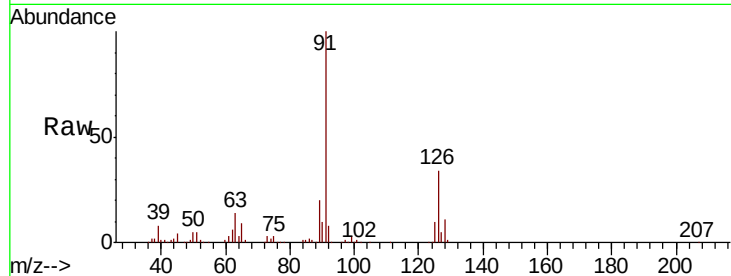
VN0928WBS01

Tot Ion: 91 Resp: 373311

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 18.700 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051619.D

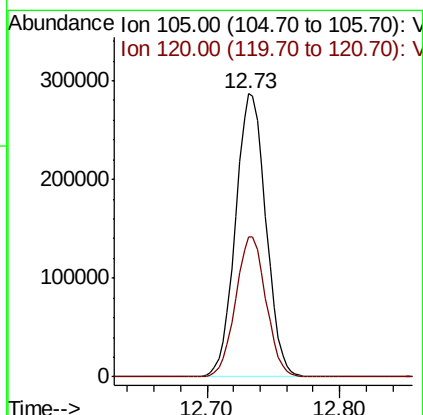
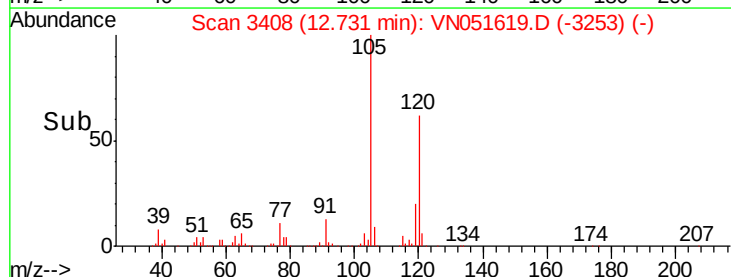
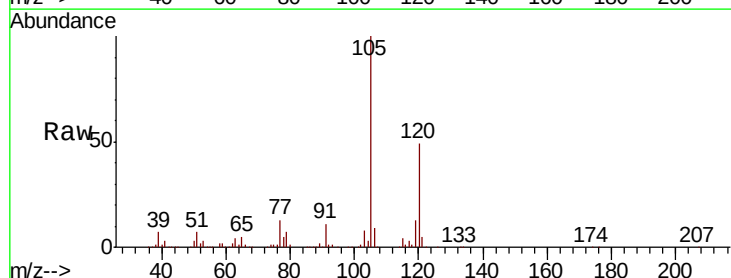
Acq: 28 Sep 2018 17:09

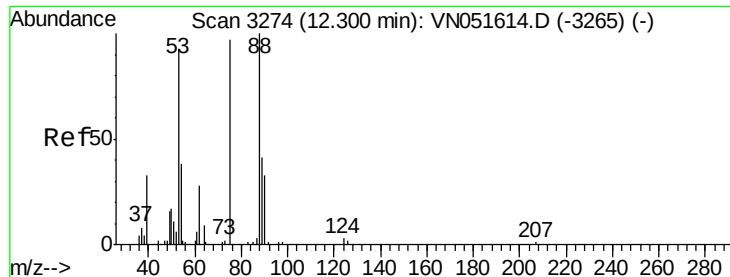
Tgt Ion: 105 Resp: 456430

Ion Ratio Lower Upper

105 100

120 49.5 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.175 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampled :

VN0928WBS01

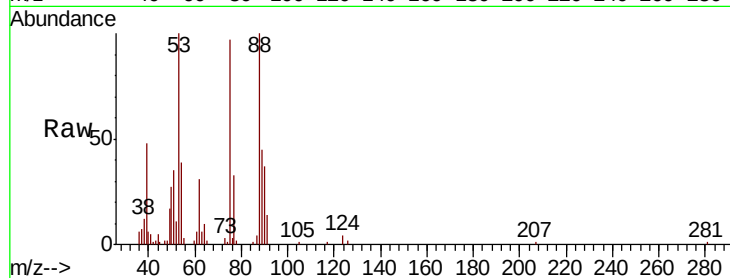
Tot Ion: 75 Resp: 32867

Ion Ratio Lower Upper

75 100

53 103.7 48.1 144.4

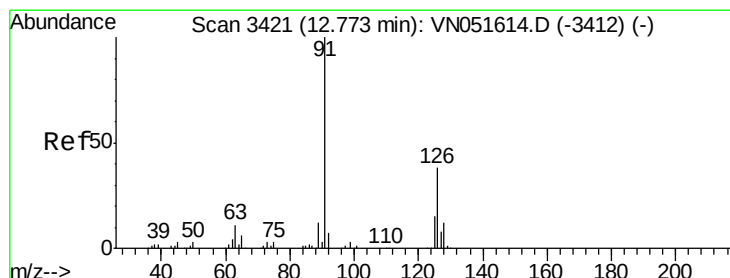
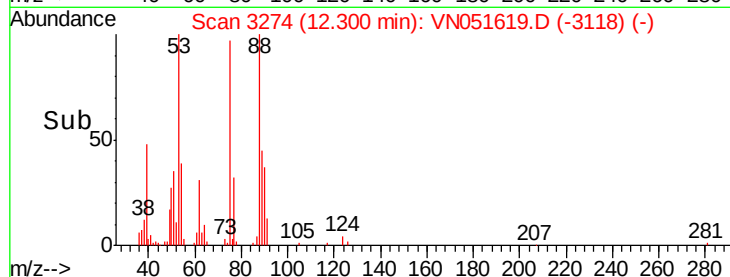
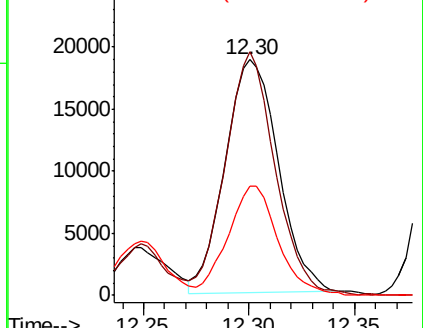
89 46.2 22.4 67.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.453 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051619.D

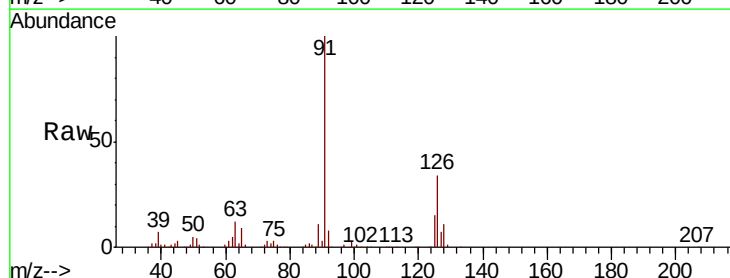
Acq: 28 Sep 2018 17:09

Tgt Ion: 91 Resp: 370119

Ion Ratio Lower Upper

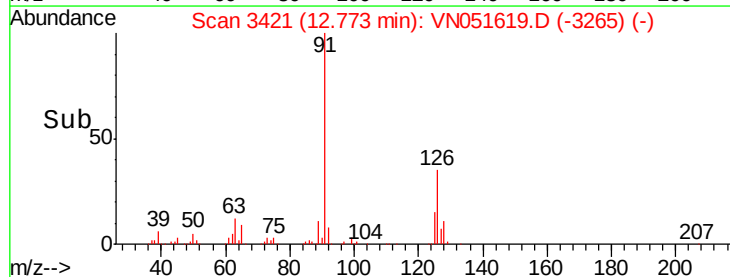
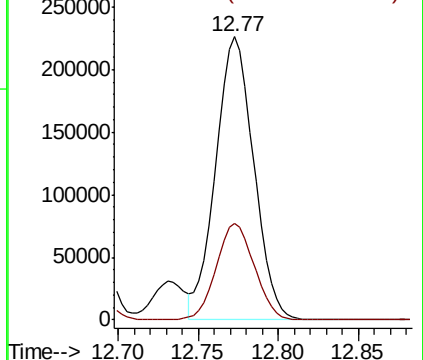
91 100

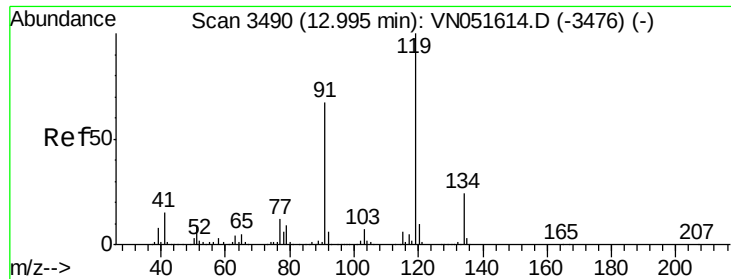
126 33.9 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

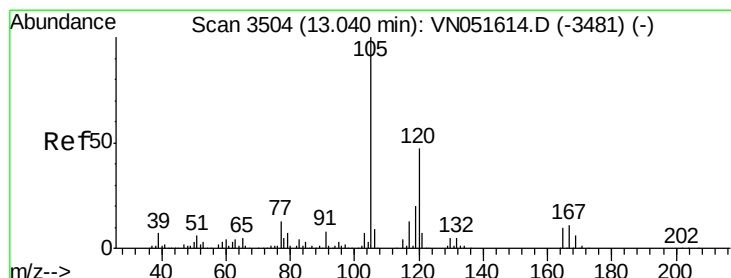
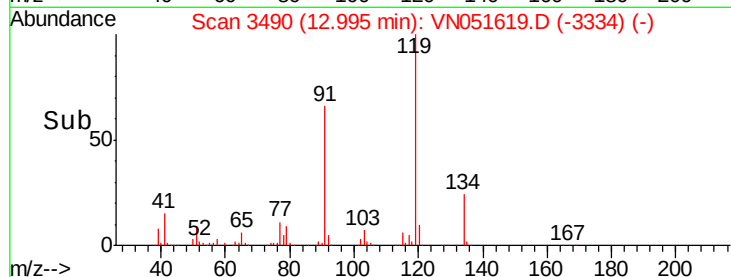
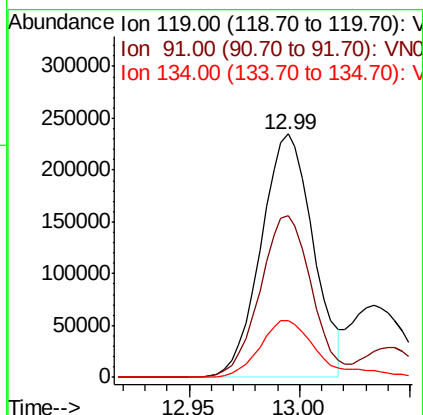
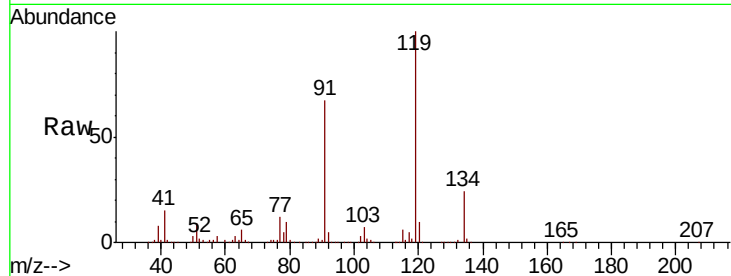




#79
tert-butylbenzene
Concen: 18.212 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

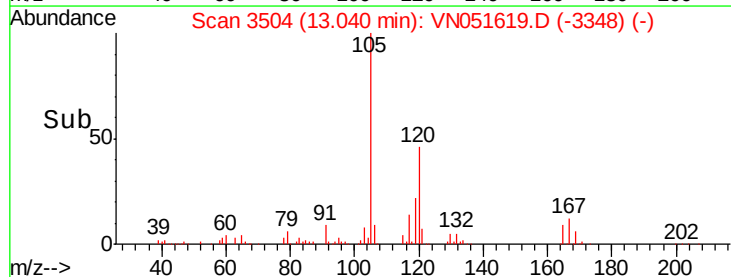
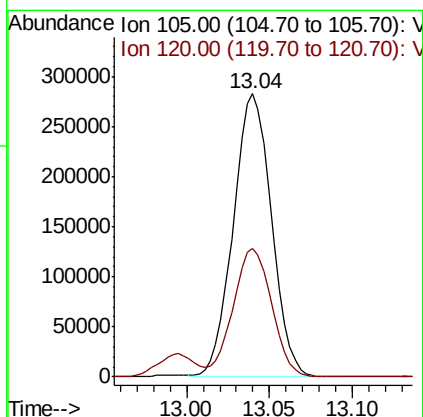
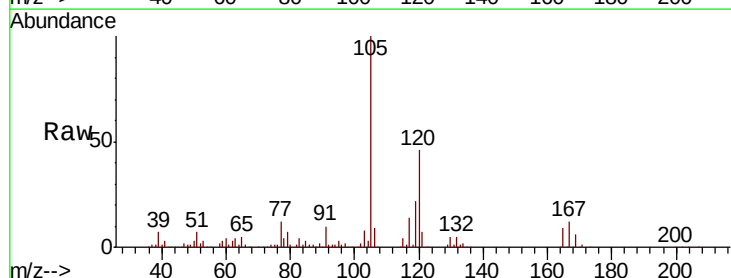
Instrument :
MSVOA_N
ClientSampled :
VN0928WBS01

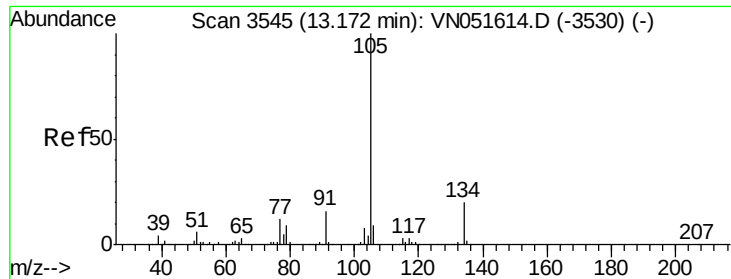
Tot Ion:119 Resp: 385114
Ion Ratio Lower Upper
119 100
91 65.5 0.0 132.4
134 24.3 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 18.582 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051619.D
Acq: 28 Sep 2018 17:09

Tgt Ion:105 Resp: 453013
Ion Ratio Lower Upper
105 100
120 46.0 0.0 91.6





#81

sec-Butylbenzene

Concen: 18.477 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

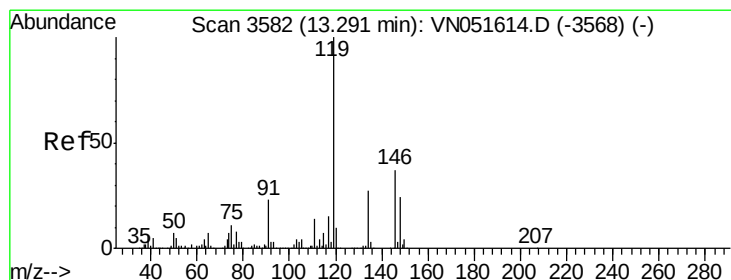
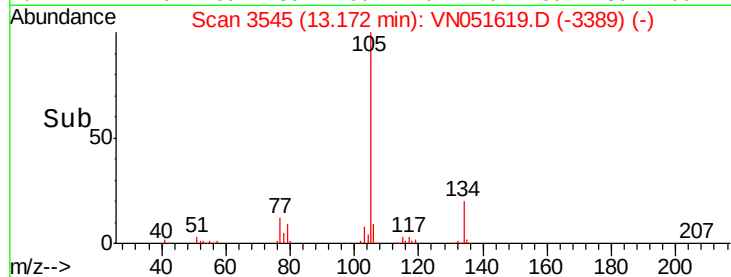
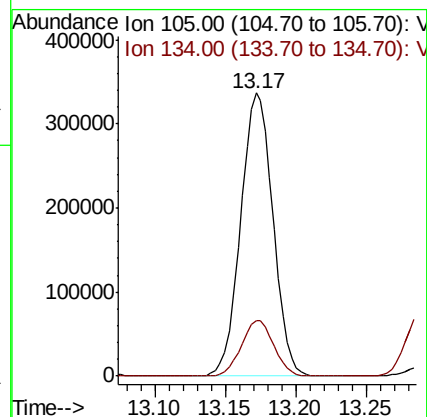
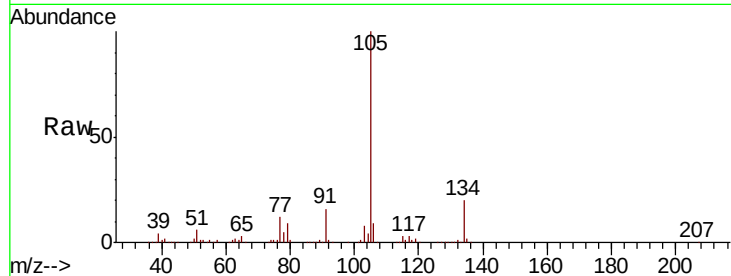
VN0928WBS01

Tot Ion:105 Resp: 539710

Ion Ratio Lower Upper

105 100

134 19.8 0.0 39.8



#82

p-Isopropyltoluene

Concen: 18.395 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

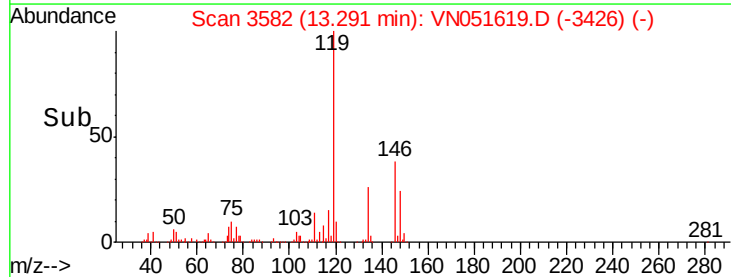
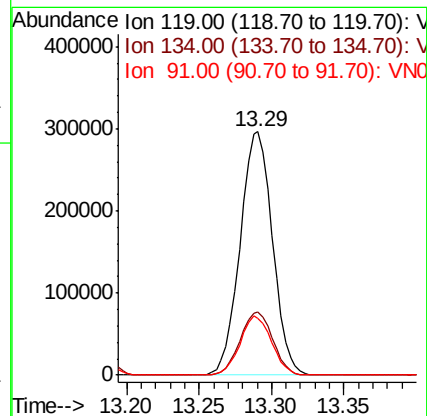
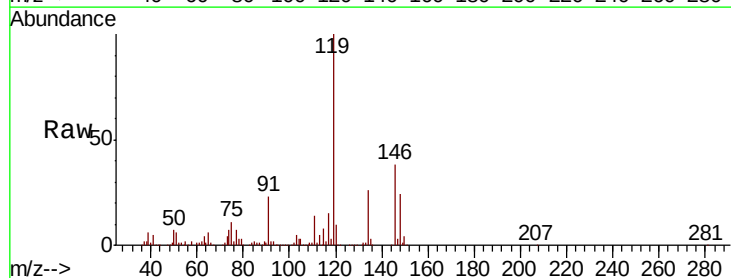
Tgt Ion:119 Resp: 459247

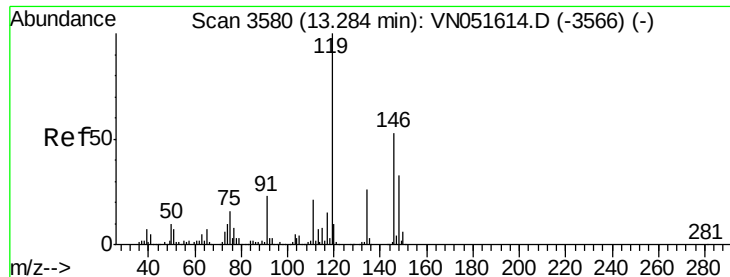
Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.0

91 23.5 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 18.600 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

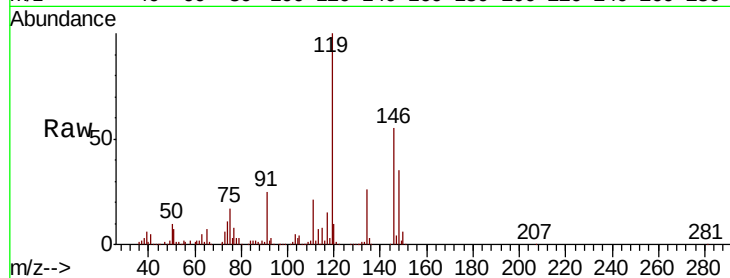
Tot Ion:146 Resp: 235599

Ion Ratio Lower Upper

146 100

111 38.1 19.9 59.6

148 63.4 32.4 97.2

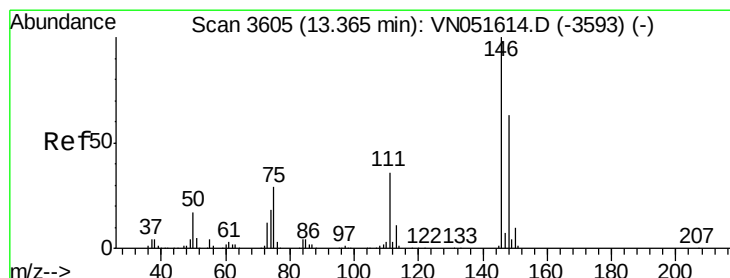
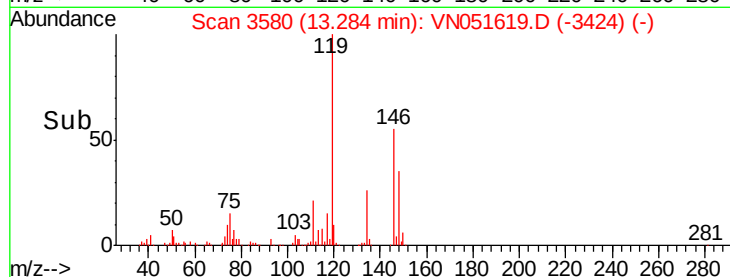
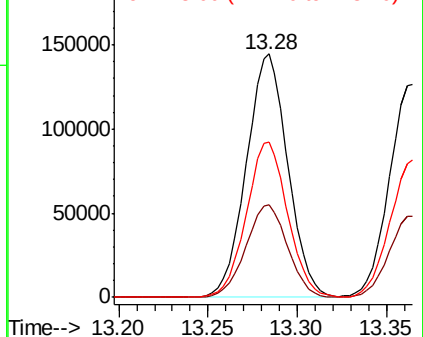


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.959 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

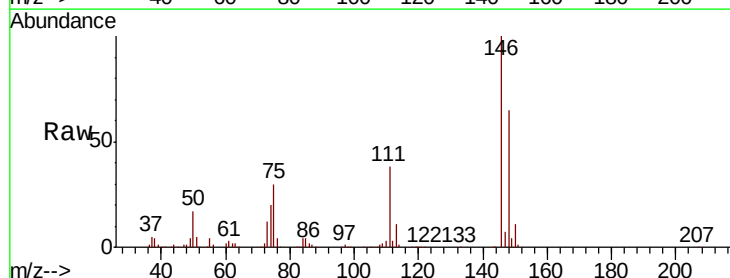
Tgt Ion:146 Resp: 213828

Ion Ratio Lower Upper

146 100

111 37.1 18.6 55.8

148 63.8 32.1 96.5

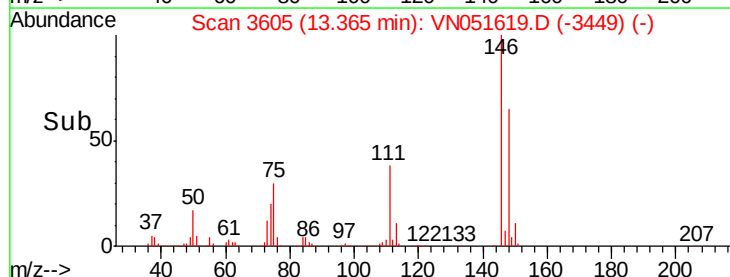
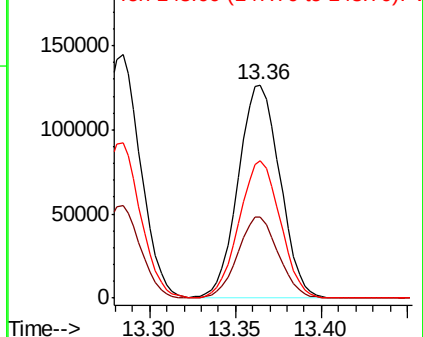


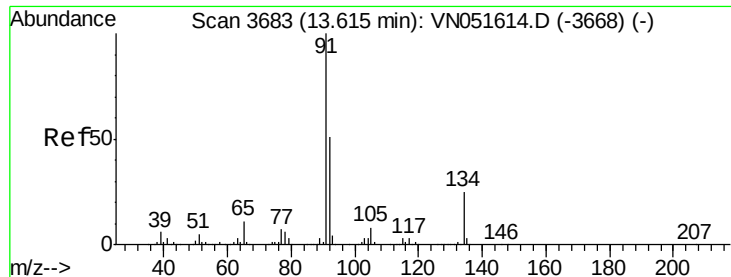
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.265 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

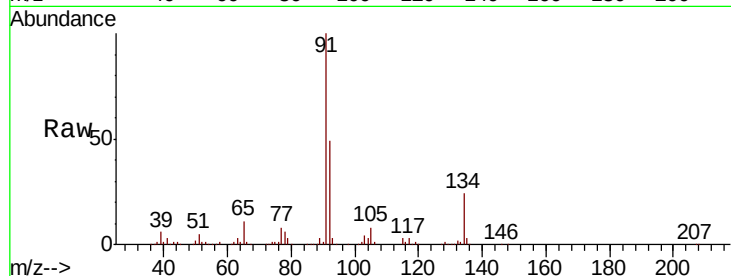
Tot Ion: 91 Resp: 353788

Ion Ratio Lower Upper

91 100

92 50.5 0.0 101.6

134 25.1 0.0 50.6

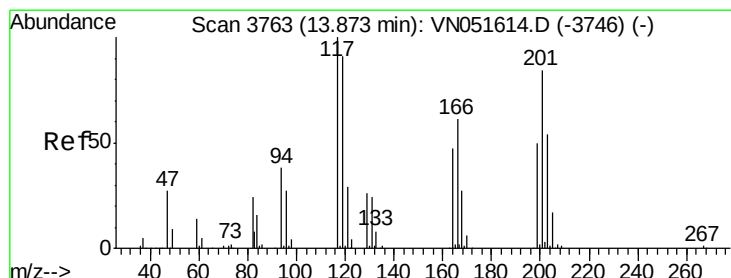
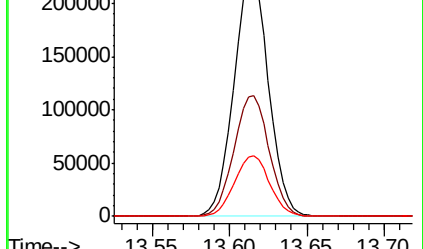
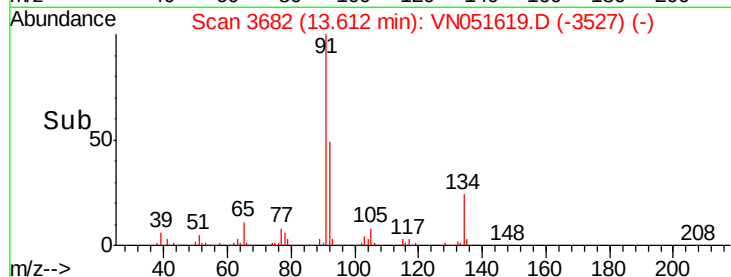


Abundance Ion 91.00 (90.70 to 91.70): VN051619.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051619.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051619.D (-3668) (-)

Time-->



#86

Hexachloroethane

Concen: 18.006 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051619.D

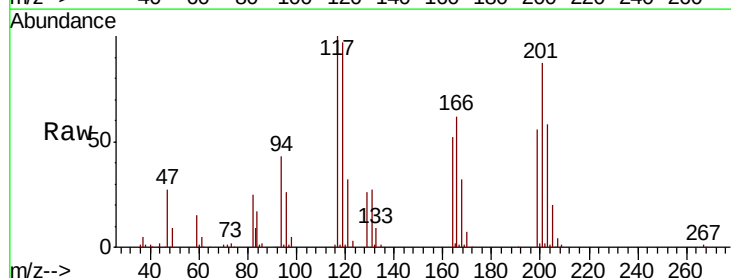
Acq: 28 Sep 2018 17:09

Tgt Ion: 117 Resp: 89910

Ion Ratio Lower Upper

117 100

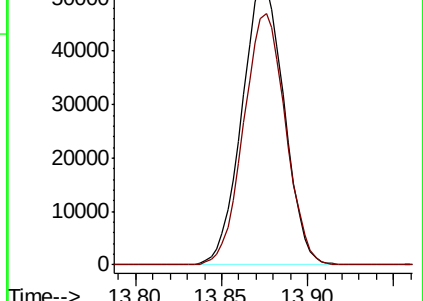
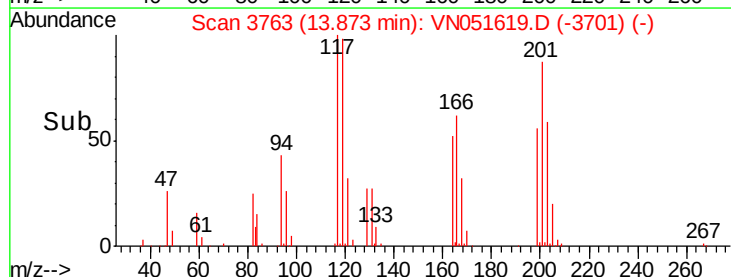
201 88.3 42.9 128.5

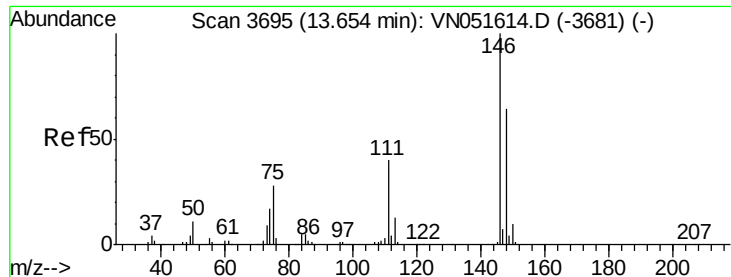


Abundance Ion 117.00 (116.70 to 117.70): VN051619.D (-3746) (-)

Ion 201.00 (200.70 to 201.70): VN051619.D (-3746) (-)

Time-->

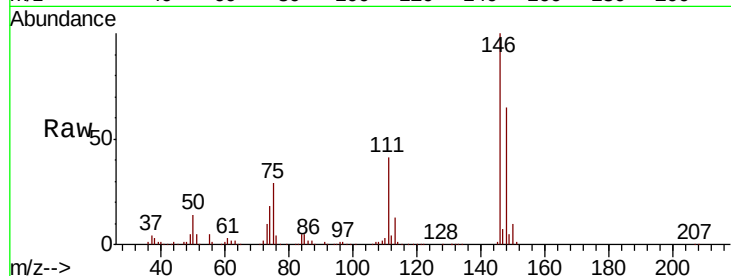




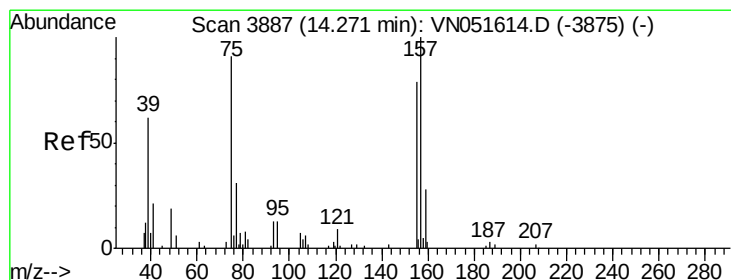
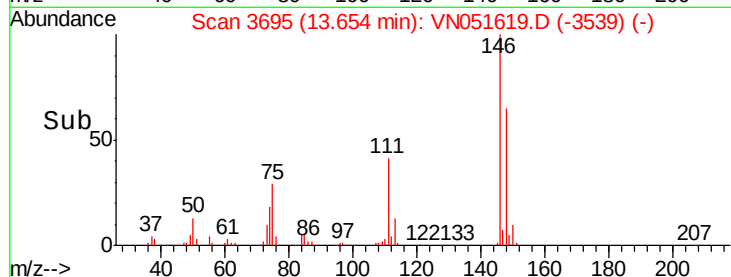
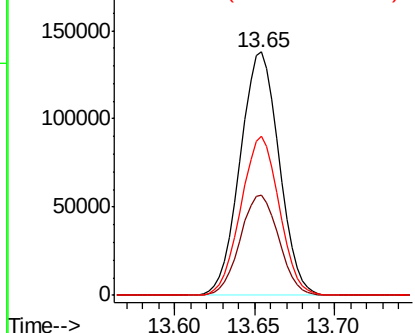
#87
 1,2-Dichlorobenzene
 Concen: 18.554 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Instrument :
 MSVOA_N
 ClientSampled :
 VN0928WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.3
148	64.3	32.1	96.5

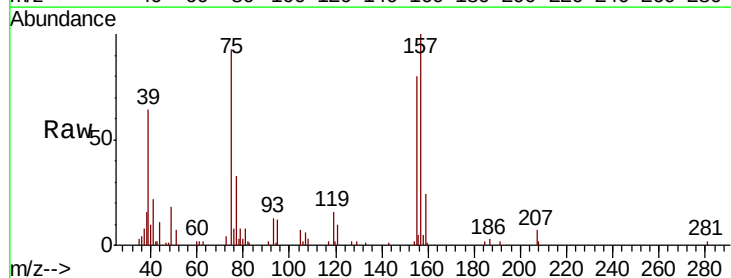


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

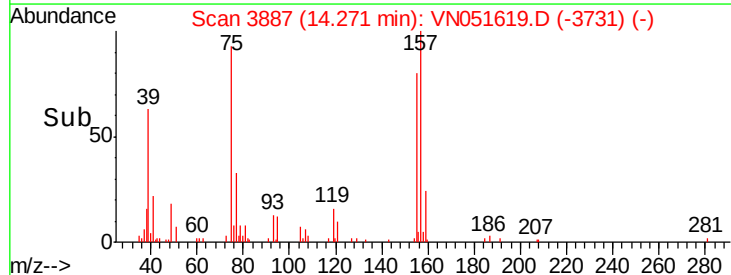
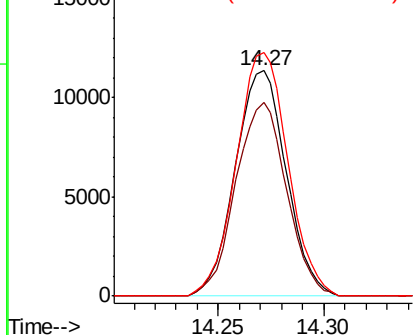


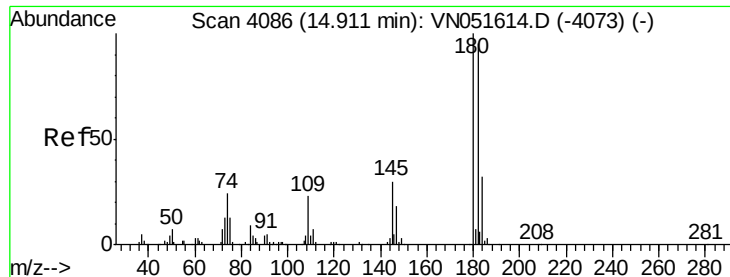
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.586 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	67.1	100.7
157	109.1	85.8	128.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

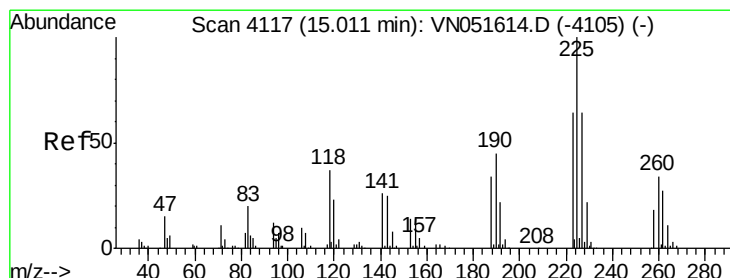
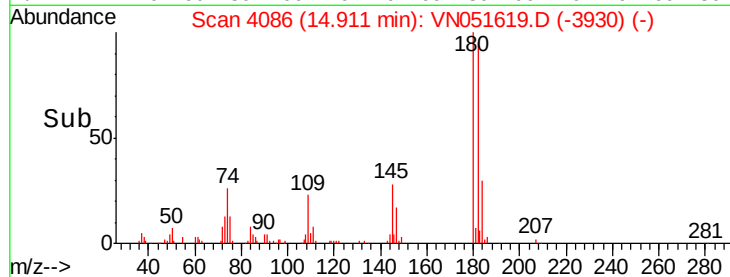
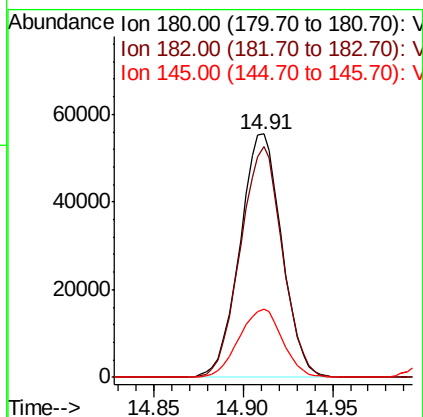
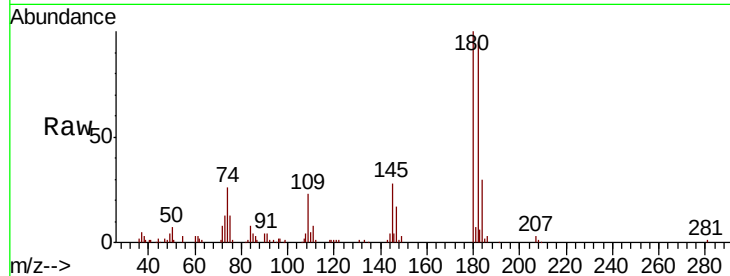




#89
 1,2,4-Trichlorobenzene
 Concen: 15.738 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

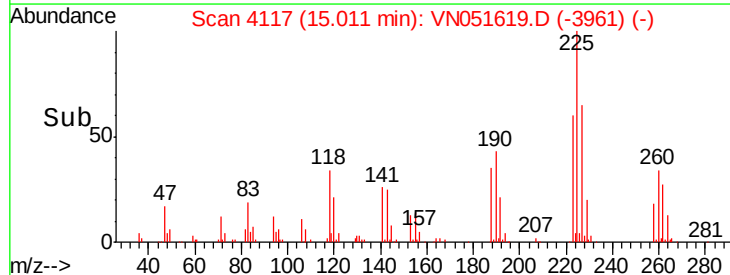
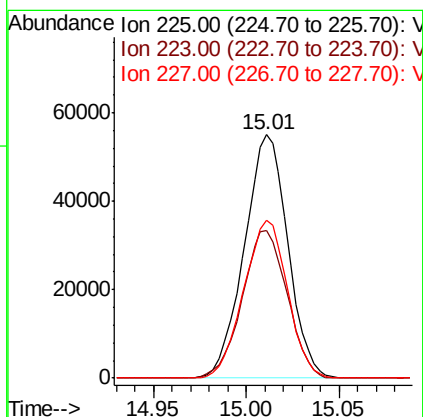
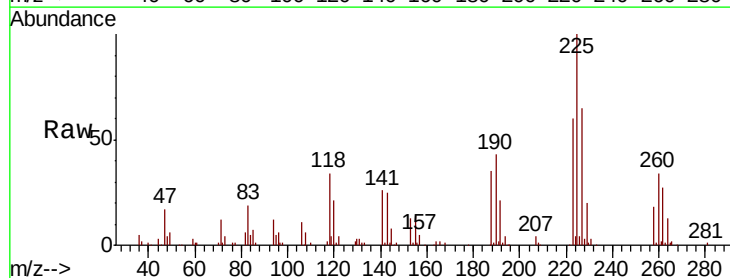
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0928WBS01

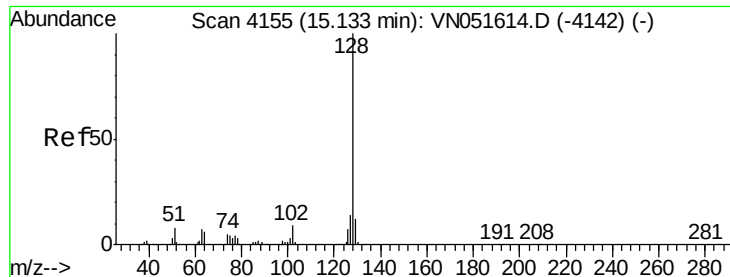
Tot Ion:180 Resp: 91272
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.2 112.8
 145 29.2 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 18.911 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051619.D
 Acq: 28 Sep 2018 17:09

Tgt Ion:225 Resp: 89415
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 131.0
 227 65.4 0.0 129.0





#91

Naphthalene

Concen: 17.626 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

Instrument :

MSVOA_N

ClientSampleId :

VN0928WBS01

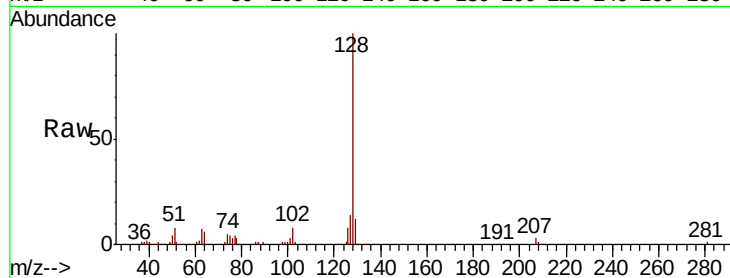
Tot Ion:128 Resp: 159395

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

129 11.5 9.1 13.7

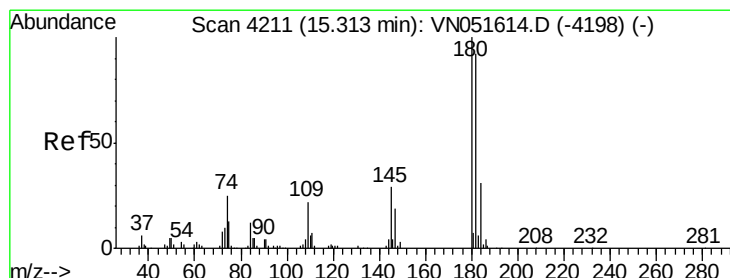
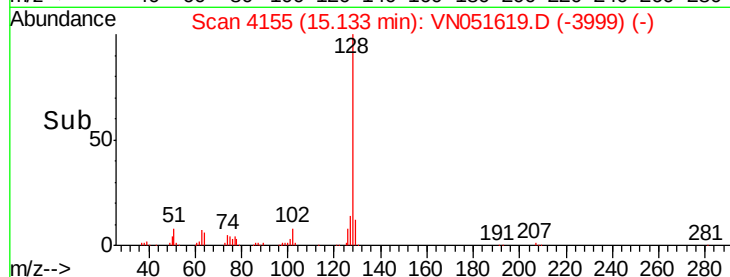
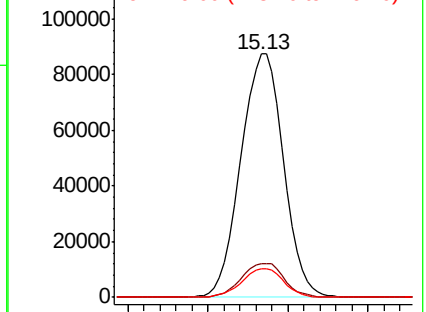


Abundance

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



#92

1,2,3-Trichlorobenzene

Concen: 16.935 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051619.D

Acq: 28 Sep 2018 17:09

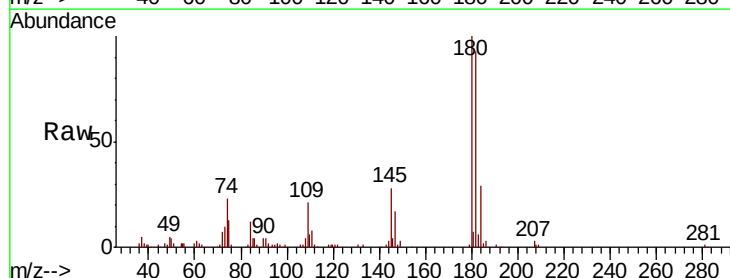
Tgt Ion:180 Resp: 98776

Ion Ratio Lower Upper

180 100

182 94.9 0.0 191.8

145 28.6 0.0 60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

