

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050972.D
 Acq On : 30 Aug 2018 19:34
 Operator : MD\SY
 Sample : VN0830WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Quant Time: Aug 31 01:41:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118943	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	622082	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529718	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226406	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.40	95	231746	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	10.09	98	773352	31.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	142110	19.24	ug/l	100
3) Chloromethane	2.06	50	154697	17.74	ug/l	98
4) Vinyl Chloride	2.18	62	157426	18.27	ug/l	99
5) Bromomethane	2.56	94	89938	17.12	ug/l	99
6) Chloroethane	2.70	64	94395	18.57	ug/l	97
7) Trichlorofluoromethane	3.01	101	223437	19.56	ug/l	99
8) Diethyl Ether	3.41	74	76669	19.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137467	19.43	ug/l	99
10) 1,1-Dichloroethene	3.73	96	119852	18.65	ug/l	99
11) Methyl Iodide	3.95	142	93991	15.67	ug/l	100
12) Methyl Acetate	4.33	43	154986	20.85	ug/l	99
13) Acrolein	3.61	56	8566	52.05	ug/l	96
14) Acrylonitrile	5.00	53	222276	88.46	ug/l	96
15) Acetone	3.82	58	54270	84.40	ug/l	92
16) Carbon Disulfide	4.05	76	346729	17.94	ug/l	98
17) Allyl chloride	4.33	41	182269	18.02	ug/l	99
18) Methylene Chloride	4.55	84	141902	18.81	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	126744	18.51	ug/l	99
20) Diisopropyl ether	5.96	45	405267	19.31	ug/l	99
21) 1,1-Dichloroethane	5.85	63	247193	19.21	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	143570	18.56	ug/l	99
23) tert-Butyl Alcohol	4.80	59	47437	88.77	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	326192	18.56	ug/l	98
25) Chloroform	7.38	83	250229	19.48	ug/l	99
26) Cyclohexane	7.66	56	189795	17.80	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	176036	18.90	ug/l	99
30) 2-Butanone	6.84	43	251229	87.69	ug/l	99
31) 2,2-Dichloropropane	6.83	77	179792	19.84	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	209101	19.80	ug/l	99
33) Carbon Tetrachloride	7.78	117	184761	19.43	ug/l	98
34) Benzene	8.04	78	554978	19.26	ug/l	98
35) Methacrylonitrile	7.18	41	61128	19.47	ug/l	96
36) 1,2-Dichloroethane	8.13	62	171722	19.71	ug/l	99
37) Trichloroethene	8.84	130	145374	19.31	ug/l	98
38) Methylcyclohexane	9.08	83	178541	17.85	ug/l	100
39) 1,2-Dichloropropane	9.12	63	149126	19.82	ug/l	99
40) Dibromomethane	9.21	93	87291	19.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	184439	19.30	ug/l	98
42) Vinyl Acetate	5.90	43	1215346	92.10	ug/l	100
43) Ethyl Acetate	6.94	43	108735	18.53	ug/l	99
44) Isopropyl Acetate	8.17	43	219924	21.24	ug/l	96
45) 1,4-Dioxane	9.20	88	28050	364.60	ug/l	98
46) Methyl methacrylate	9.20	41	93080	17.95	ug/l	96
47) n-amyl Acetate	12.07	43	136656	16.41	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	167720	17.91	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	202713	18.84	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	127441	19.35	ug/l	98
51) Ethyl methacrylate	10.43	69	138967	17.25	ug/l	100
52) 1,3-Dichloropropane	10.71	76	207106	18.98	ug/l	100
53) Dibromochloromethane	10.90	129	141037	18.83	ug/l	98
54) 1,2-Dibromoethane	11.01	107	120840	18.56	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	301408	89.90	ug/l	99
56) Bromoform	12.13	173	96124	18.05	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	567006	93.55	ug/l	99
59) 2-Hexanone	10.75	43	356237	89.92	ug/l	98
61) Tetrachloroethene	10.63	164	131791	19.97	ug/l	98
62) Toluene	10.16	91	581533	19.68	ug/l	100
64) Chlorobenzene	11.44	112	346600	18.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138443	20.02	ug/l	99
66) Ethyl Benzene	11.51	91	562759	18.38	ug/l	98
67) m/p-Xylenes	11.62	106	451302	38.32	ug/l	99
68) o-Xylene	11.95	106	212847	18.91	ug/l	100
69) Styrene	11.97	104	332234	18.57	ug/l	99
70) Isopropylbenzene	12.25	105	564936	18.89	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157551	19.46	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	175986	25.19	ug/l	100
73) Bromobenzene	12.53	156	147825	18.79	ug/l	100
74) n-propylbenzene	12.59	91	622309	18.41	ug/l	99
75) 2-Chlorotoluene	12.68	91	390697	19.02	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	464388	19.00	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34508	17.34	ug/l	98
78) 4-Chlorotoluene	12.77	91	380313	18.80	ug/l	99
79) tert-butylbenzene	12.99	119	400414	18.87	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	468344	19.22	ug/l	100
81) sec-Butylbenzene	13.17	105	520329	18.74	ug/l	100
82) p-Isopropyltoluene	13.29	119	440947	18.40	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244250	18.36	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	230271	18.27	ug/l	99
85) n-Butylbenzene	13.62	91	309338	16.91	ug/l	99
86) Hexachloroethane	13.88	117	85896	18.67	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	246520	18.83	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20796	18.36	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	86900	14.91	ug/l	99
90) Hexachlorobutadiene	15.01	225	76550	19.33	ug/l	99
91) Naphthalene	15.13	128	170810	17.95	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	96185	16.44	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 2018
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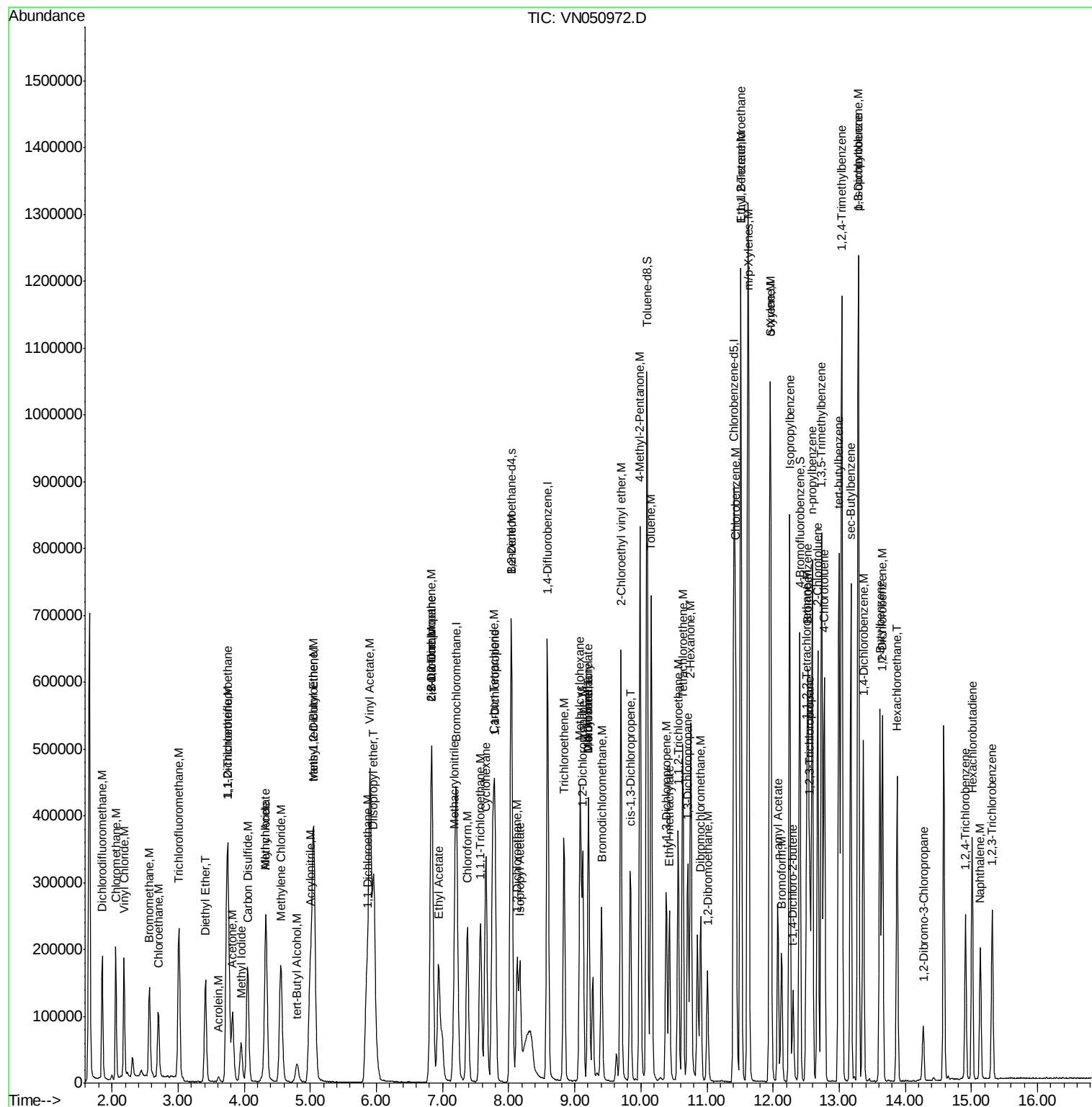
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleId :
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Quant Time: Aug 31 01:41:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

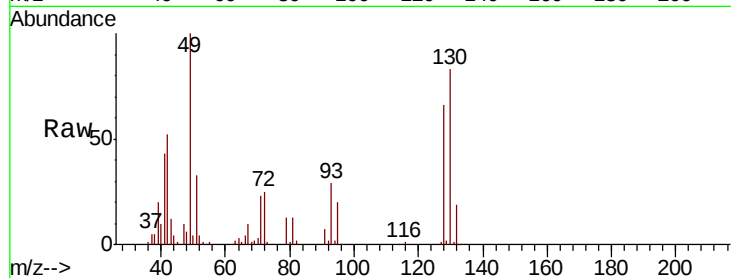
Tot Ion:128 Resp: 118943

Ion Ratio Lower Upper

128 100

49 149.9 0.0 380.3

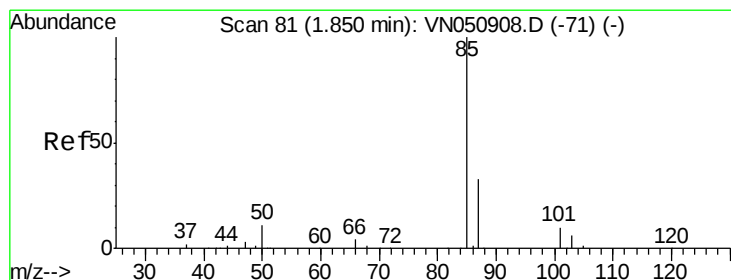
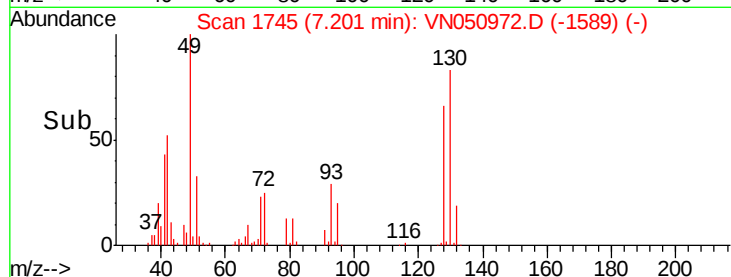
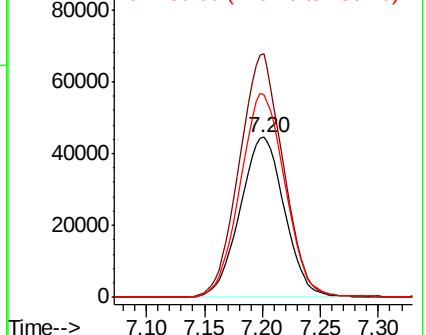
130 128.3 0.0 325.3



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: 19.24 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050972.D

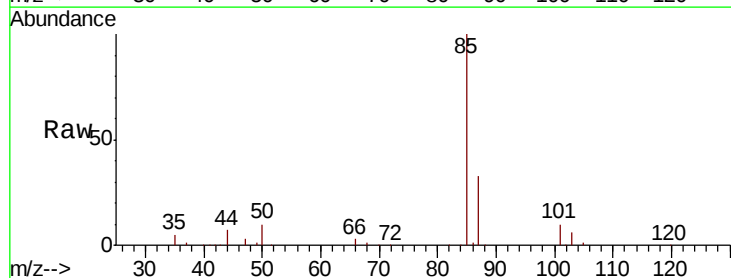
Acq: 30 Aug 2018 19:34

Tgt Ion: 85 Resp: 142110

Ion Ratio Lower Upper

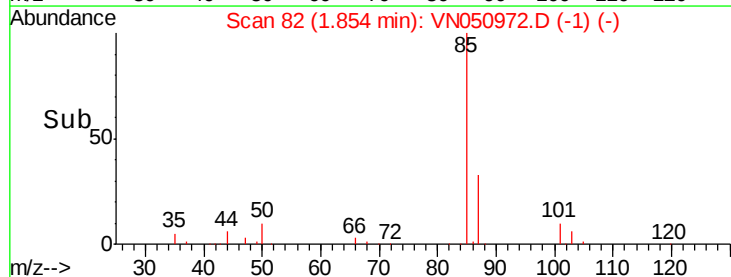
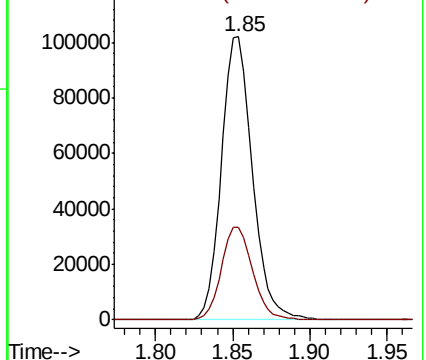
85 100

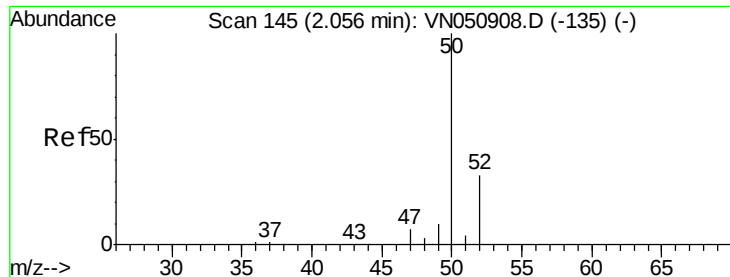
87 32.8 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.74 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

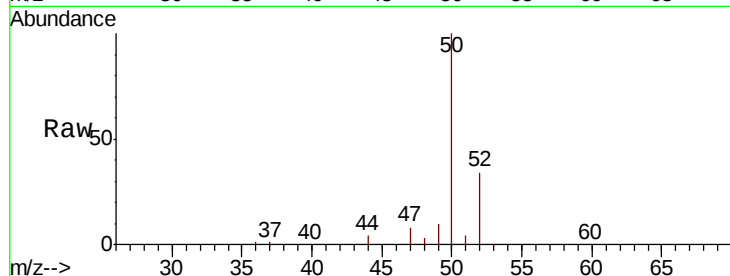
VN0830WBS02

Tot Ion: 50 Resp: 154697

Ion Ratio Lower Upper

50 100

52 33.9 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

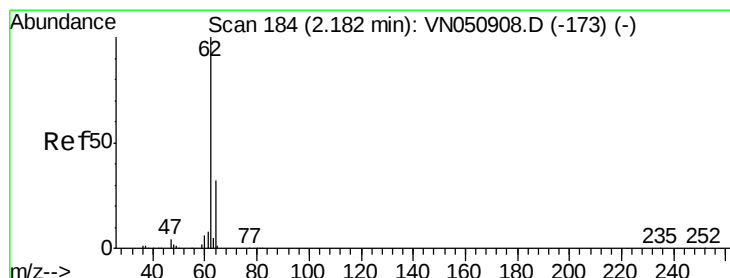
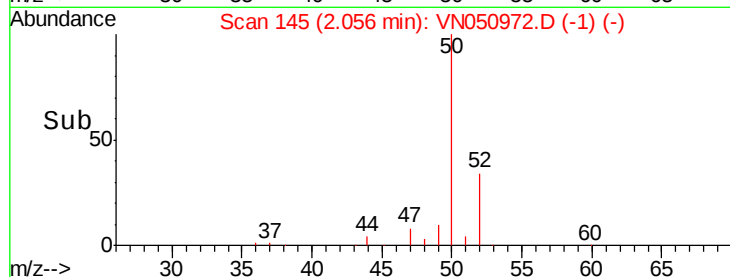
2.06

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.27 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050972.D

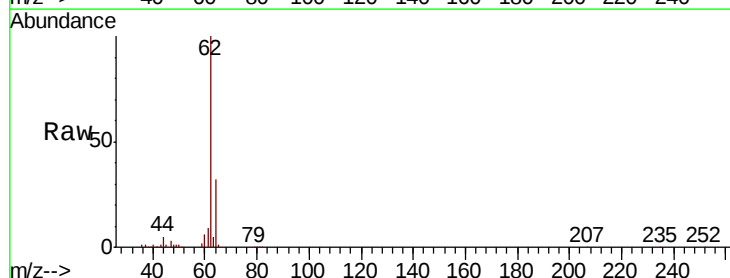
Acq: 30 Aug 2018 19:34

Tgt Ion: 62 Resp: 157426

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.18

120000

100000

80000

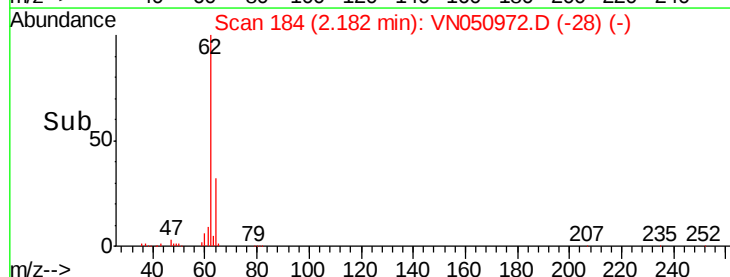
60000

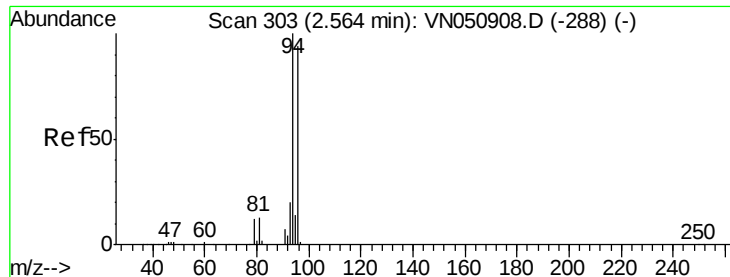
40000

20000

0

Time-->





#5

Bromomethane

Concen: 17.12 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

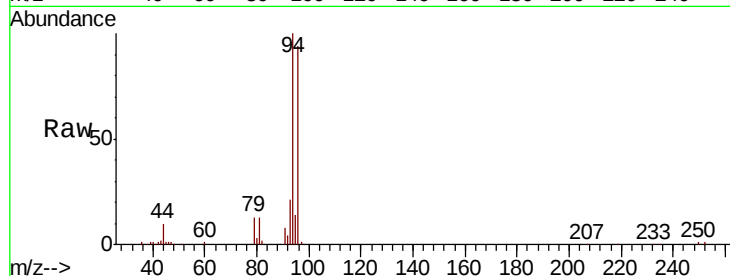
VN0830WBS02

Tot Ion: 94 Resp: 89938

Ion Ratio Lower Upper

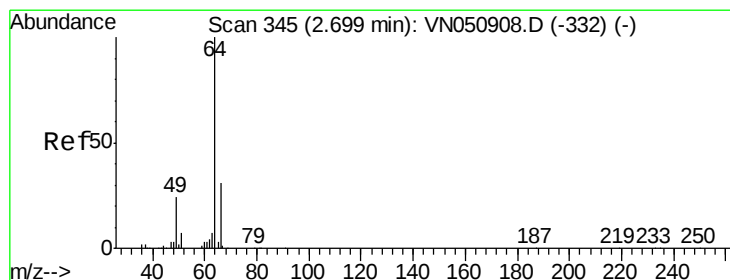
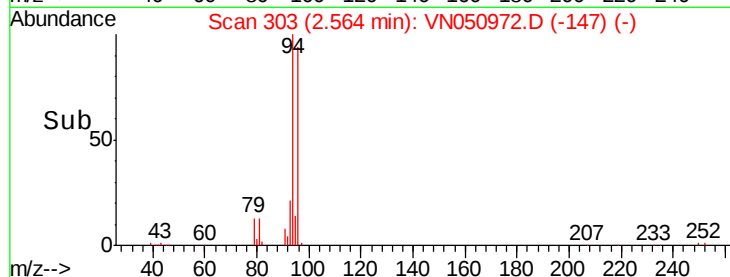
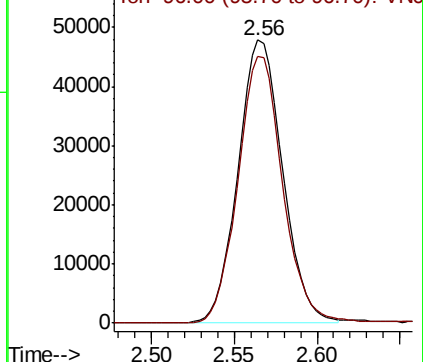
94 100

96 94.4 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.57 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050972.D

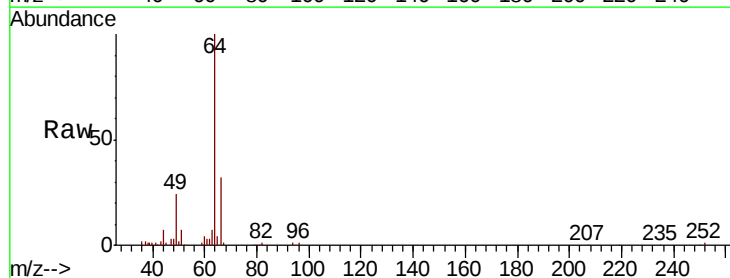
Acq: 30 Aug 2018 19:34

Tgt Ion: 64 Resp: 94395

Ion Ratio Lower Upper

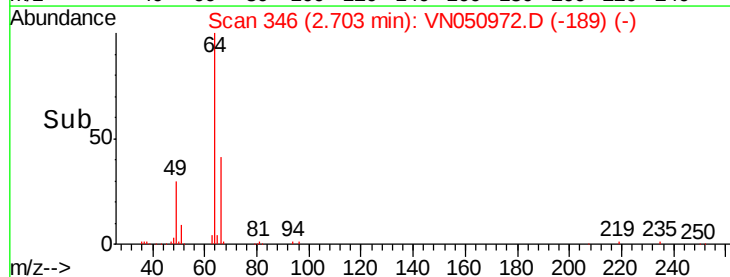
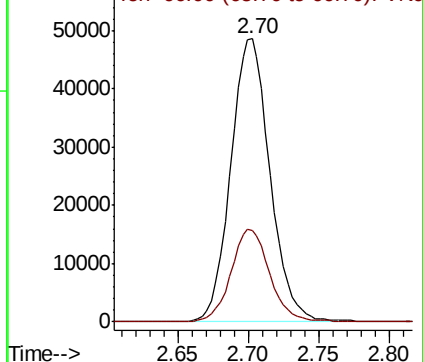
64 100

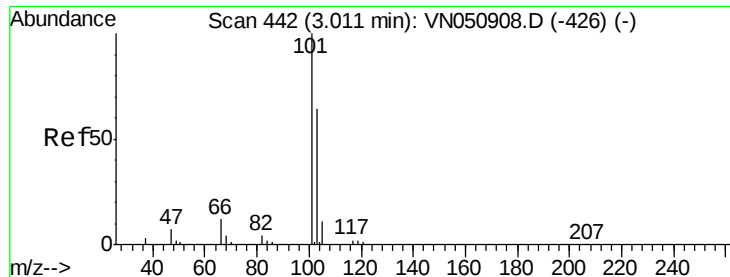
66 32.4 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



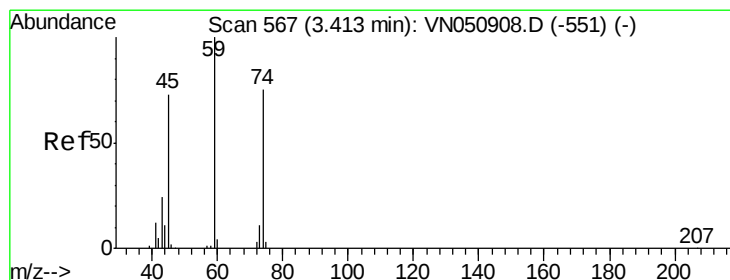
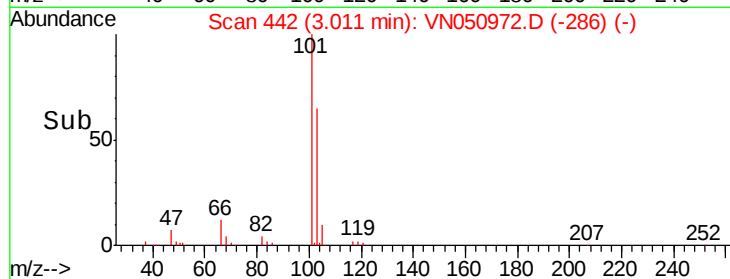
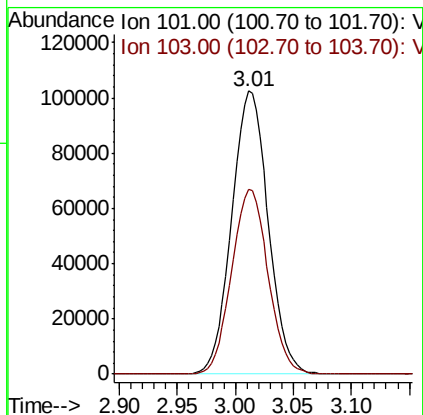
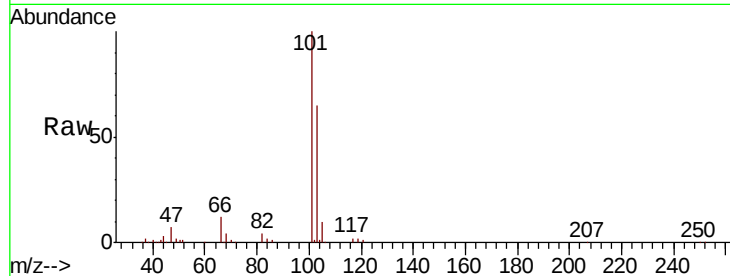


#7

Trichlorofluoromethane
 Concen: 19.56 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
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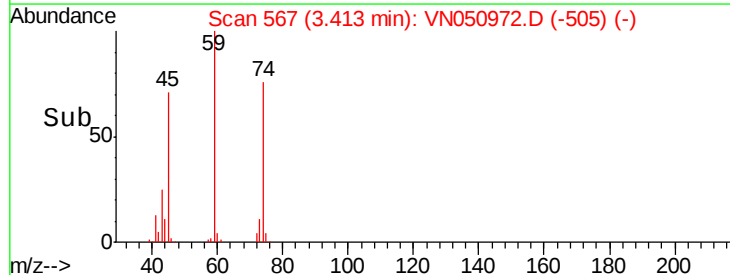
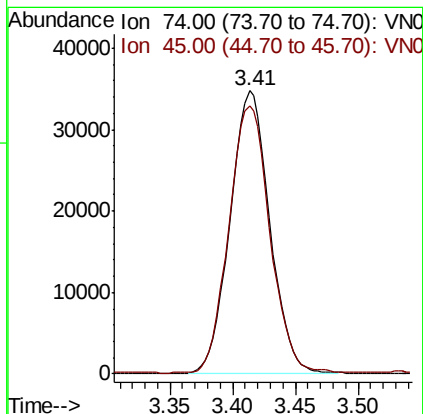
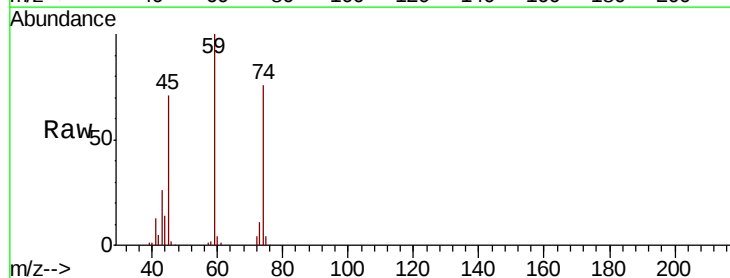
Tot Ion:101 Resp: 223437
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.3 76.9

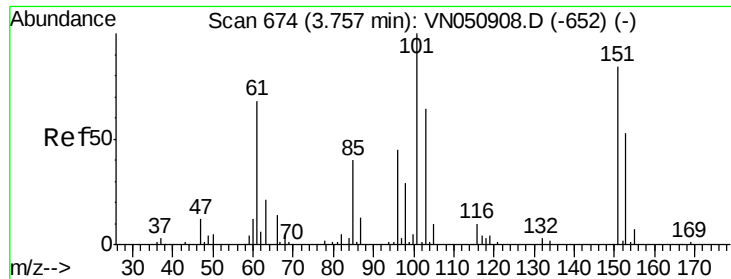


#8

Diethyl Ether
 Concen: 19.03 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 74 Resp: 76669
 Ion Ratio Lower Upper
 74 100
 45 96.3 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

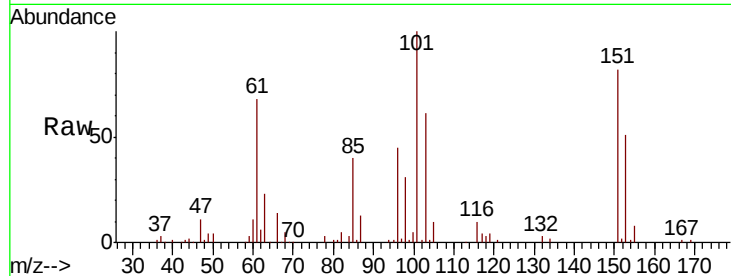
Tot Ion:101 Resp: 137467

Ion Ratio Lower Upper

101 100

85 41.8 0.0 83.6

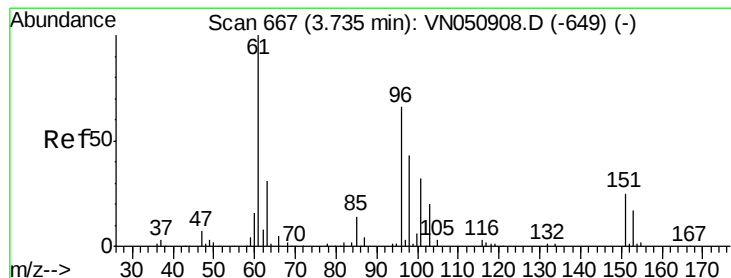
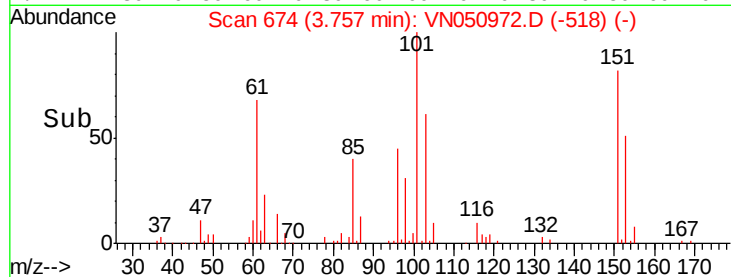
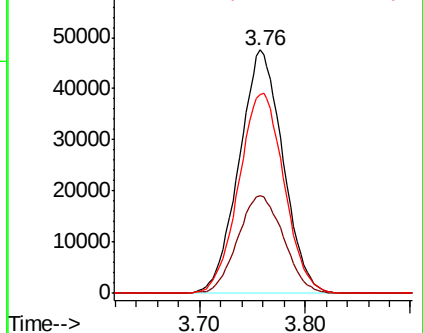
151 84.9 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.65 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

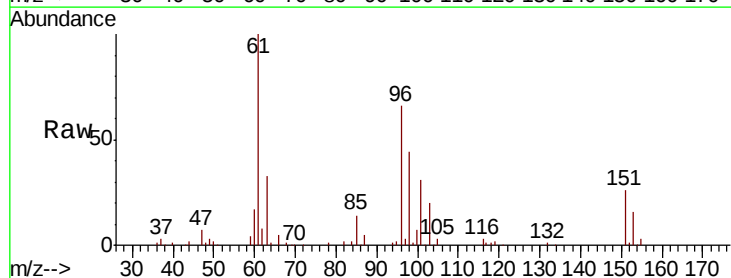
Tgt Ion: 96 Resp: 119852

Ion Ratio Lower Upper

96 100

61 151.7 121.8 182.8

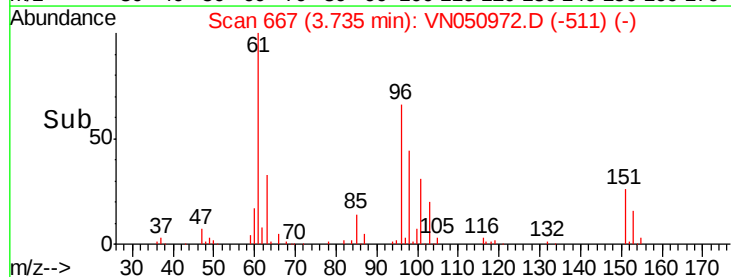
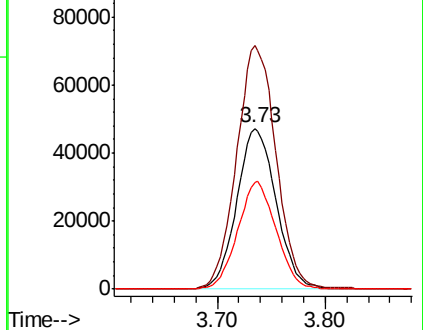
98 66.6 52.3 78.5

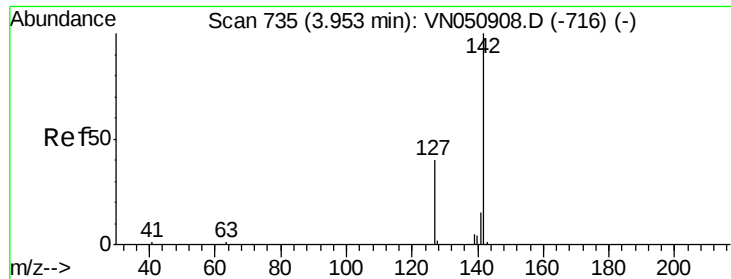


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

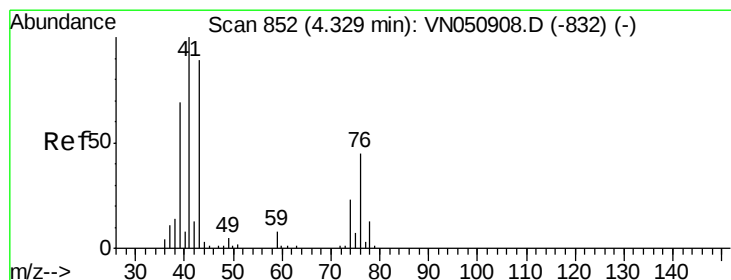
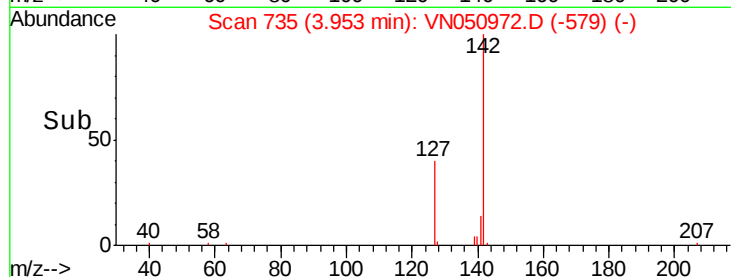
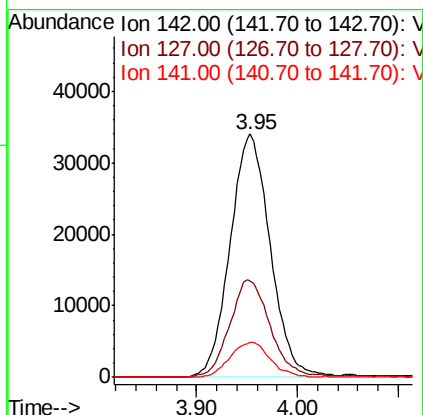
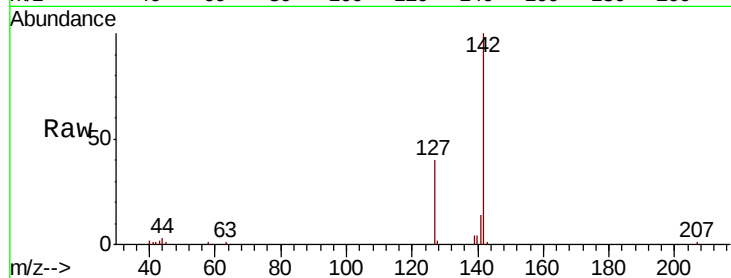




#11
Methvl Iodide
Concen: 15.67 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

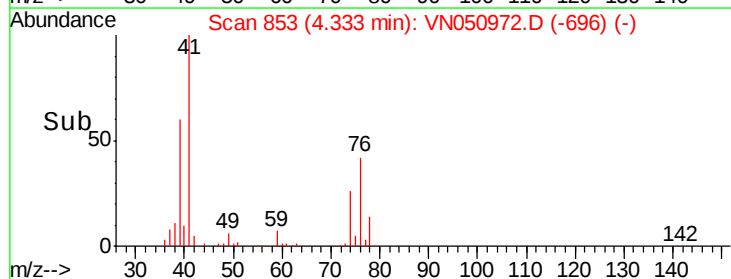
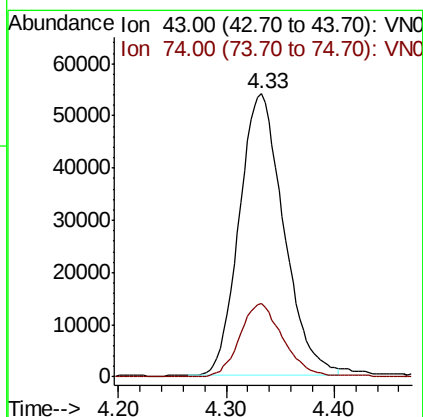
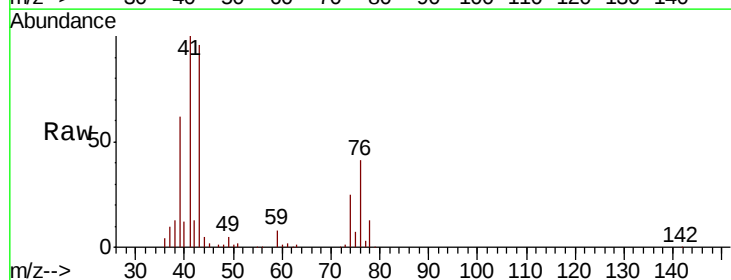
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

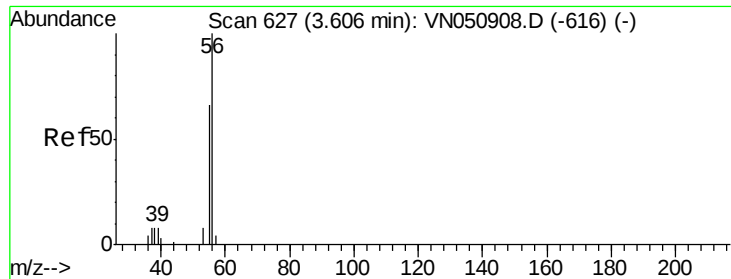
Tot Ion:142 Resp: 93991
Ion Ratio Lower Upper
142 100
127 39.6 19.7 59.1
141 14.2 7.3 22.0



#12
Methyl Acetate
Concen: 20.85 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 43 Resp: 154986
Ion Ratio Lower Upper
43 100
74 26.2 20.6 31.0





#13

Acrolein

Concen: 52.05 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

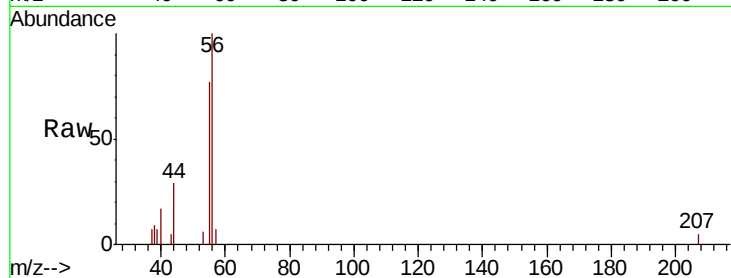
VN0830WBS02

Tot Ion: 56 Resp: 8566

Ion Ratio Lower Upper

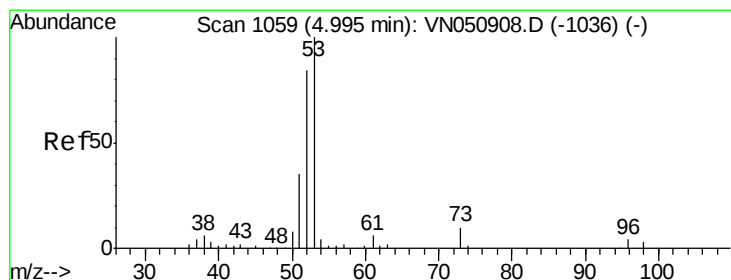
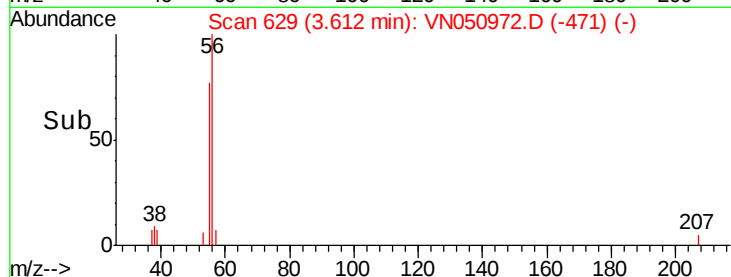
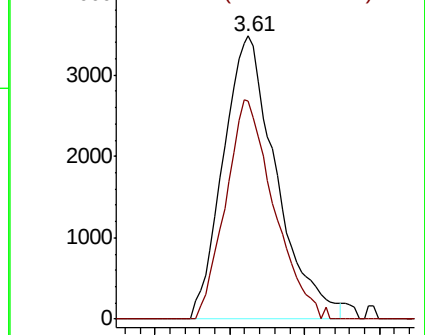
56 100

55 70.3 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 88.46 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

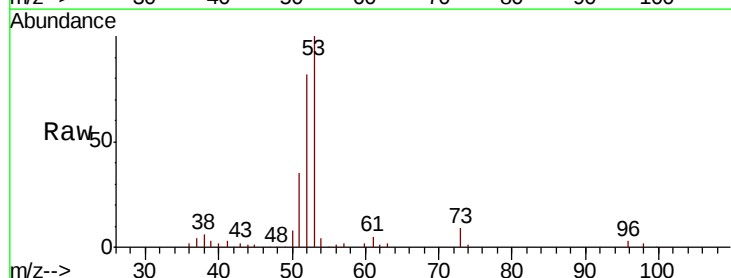
Tgt Ion: 53 Resp: 222276

Ion Ratio Lower Upper

53 100

52 80.1 42.2 126.6

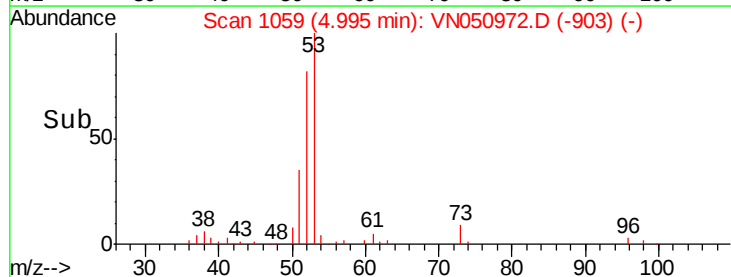
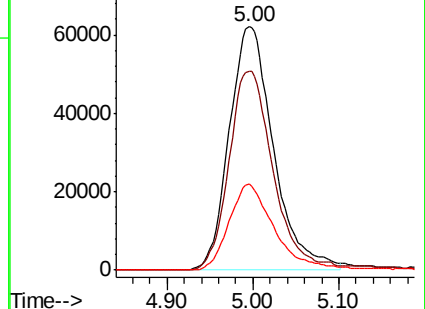
51 35.9 17.7 53.1

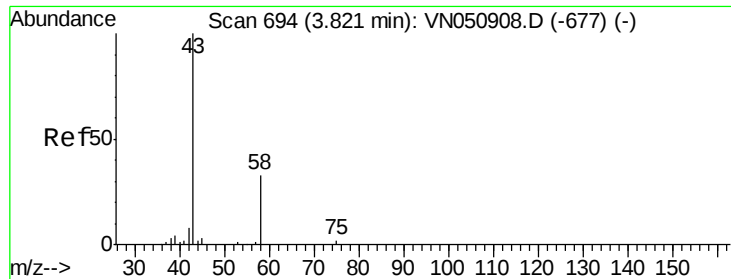


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 84.40 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

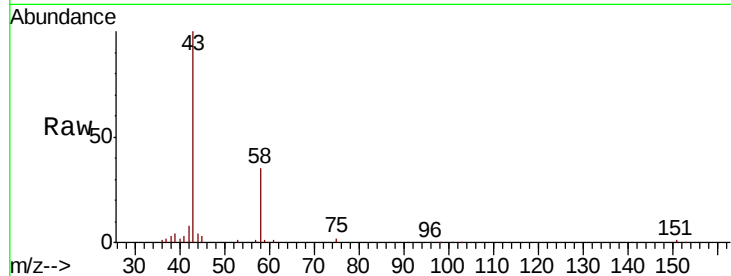
VN0830WBS02

Tot Ion: 58 Resp: 54270

Ion Ratio Lower Upper

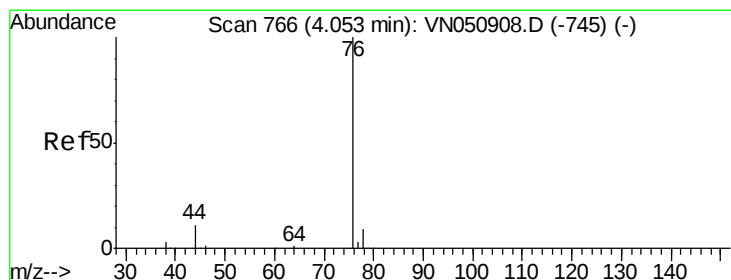
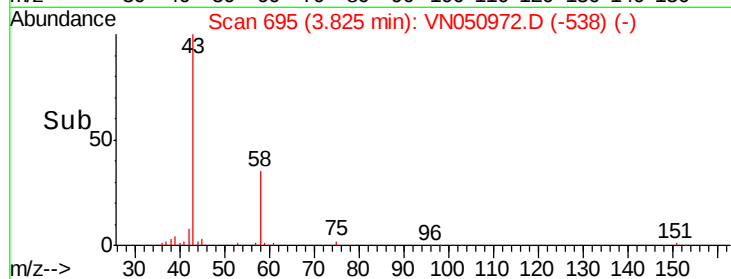
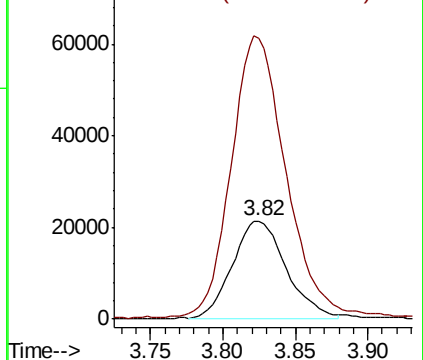
58 100

43 284.1 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.94 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050972.D

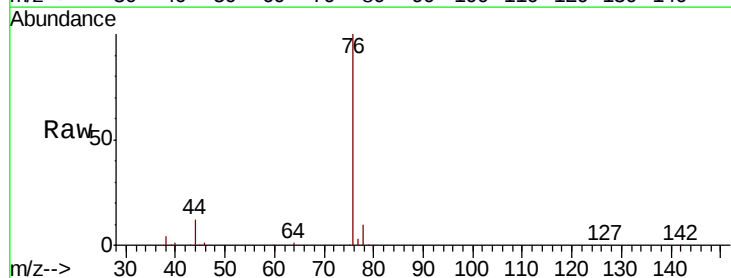
Acq: 30 Aug 2018 19:34

Tgt Ion: 76 Resp: 346729

Ion Ratio Lower Upper

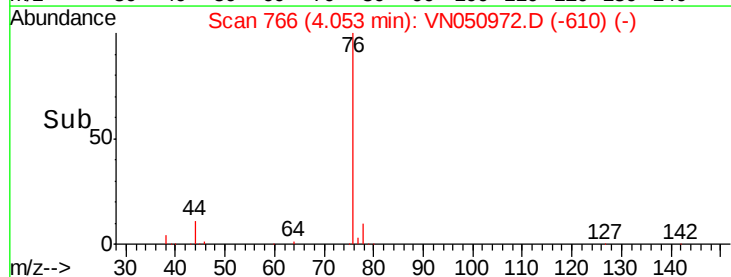
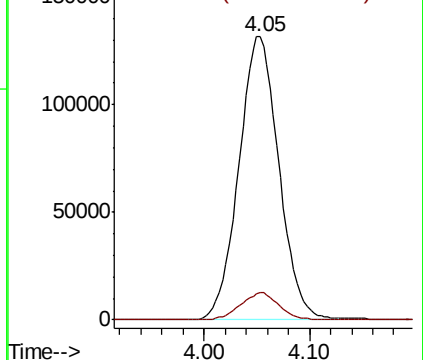
76 100

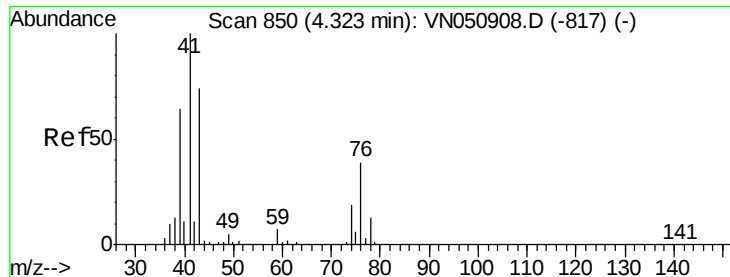
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

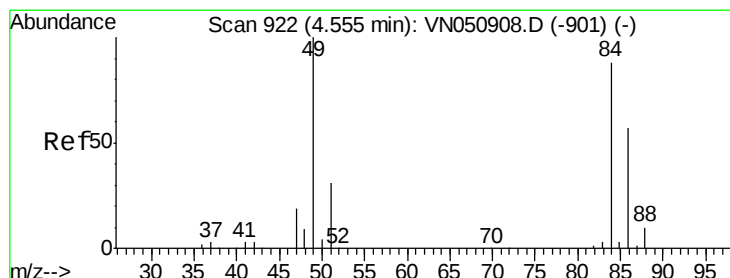
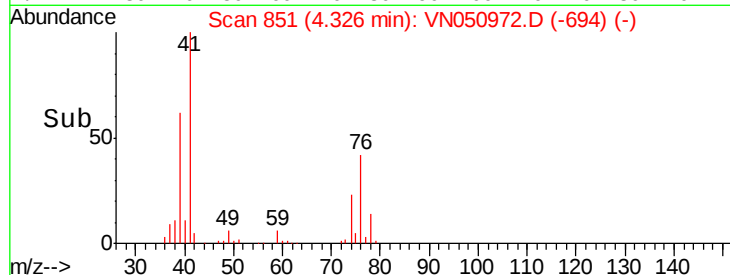
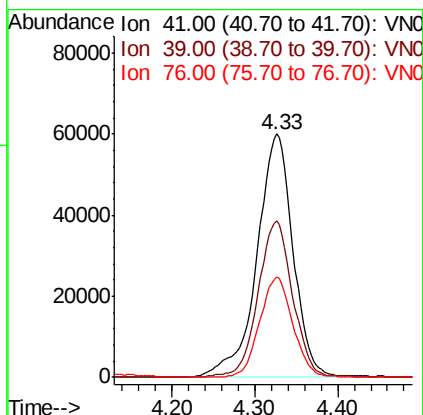
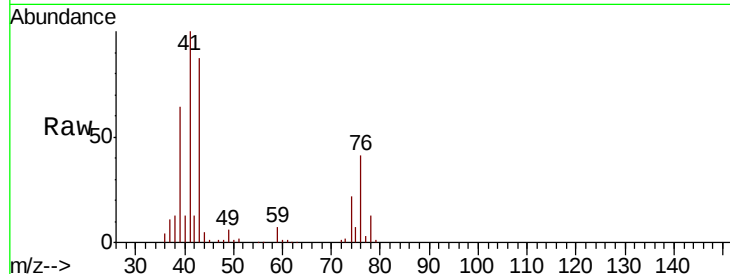




#17
Allvl chloride
Concen: 18.02 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

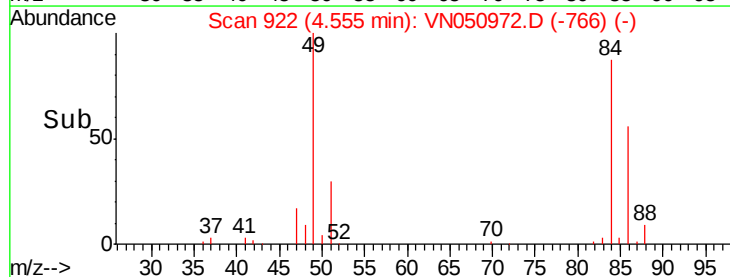
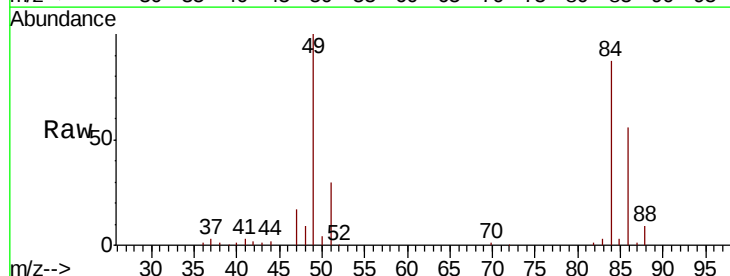
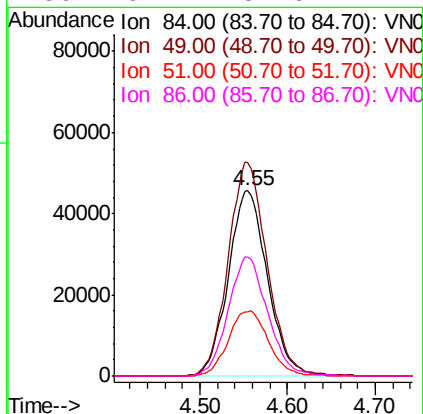
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

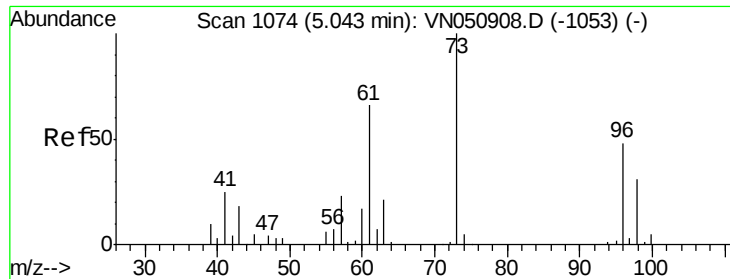
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.2	96.6
76	40.7	19.6	58.7



#18
Methylene Chloride
Concen: 18.81 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	90.6	135.8
51	34.9	28.4	42.6
86	64.4	51.6	77.4

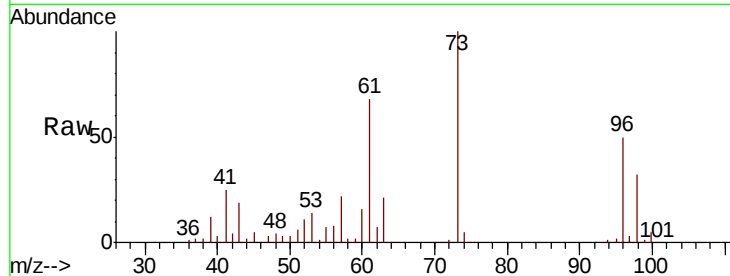




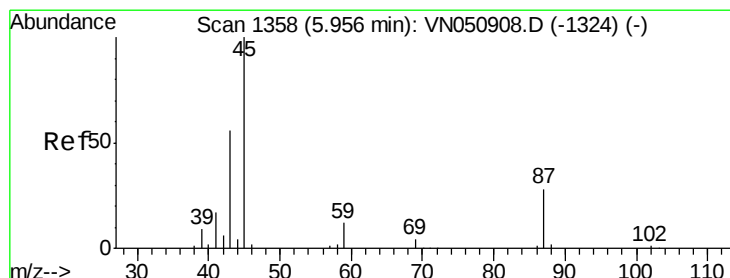
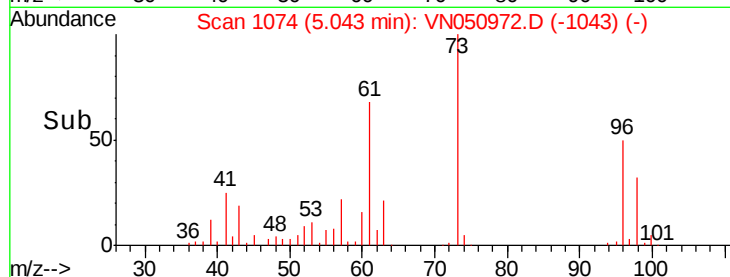
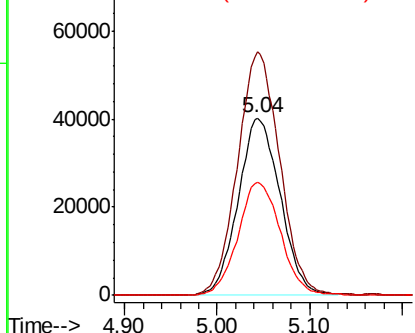
#19
trans-1,2-Dichloroethene
Concen: 18.51 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion: 96 Resp: 126744
Ion Ratio Lower Upper
96 100
61 137.1 109.5 164.3
98 63.8 51.9 77.9

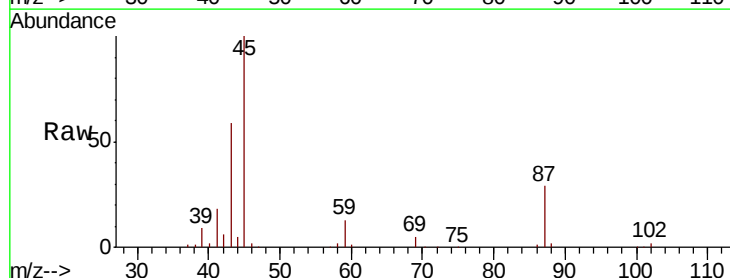


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

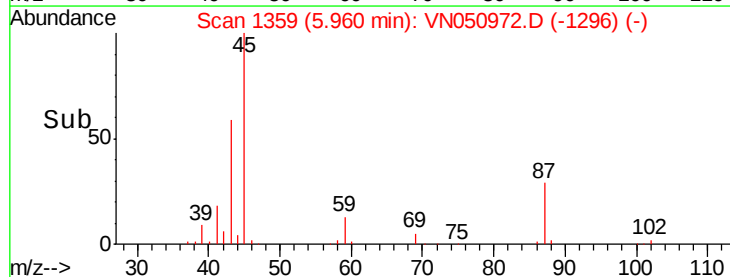
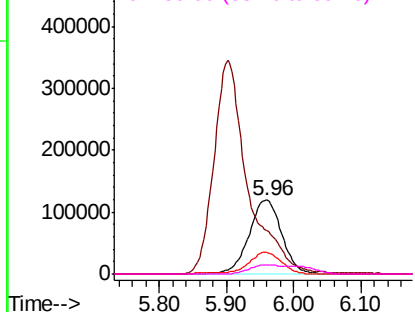


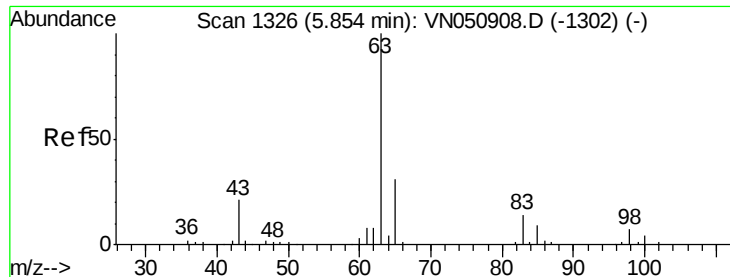
#20
Diisopropyl ether
Concen: 19.31 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 45 Resp: 405267
Ion Ratio Lower Upper
45 100
43 57.6 47.0 70.6
87 28.8 22.8 34.2
59 12.4 9.5 14.3



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: 19.21 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

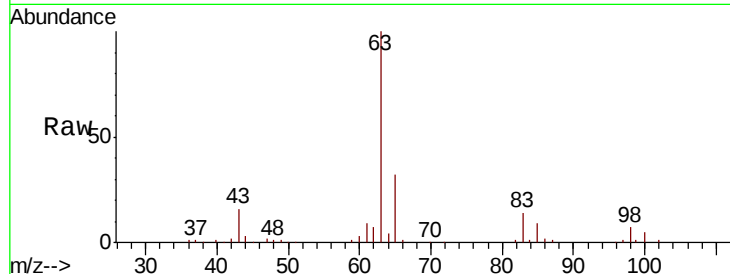
Tot Ion: 63 Resp: 247193

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

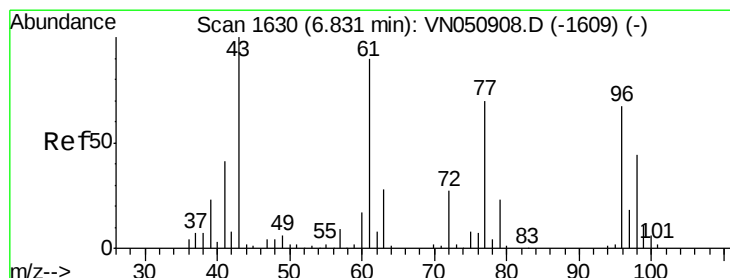
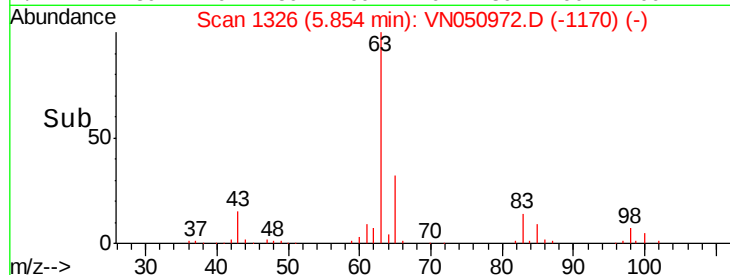
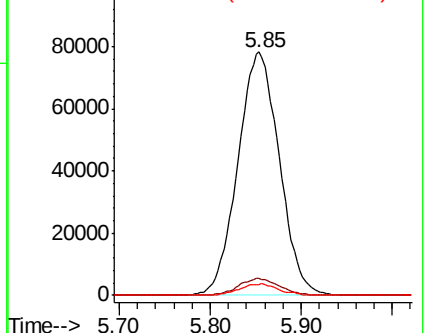
100 4.5 2.0 6.0



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: 18.56 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

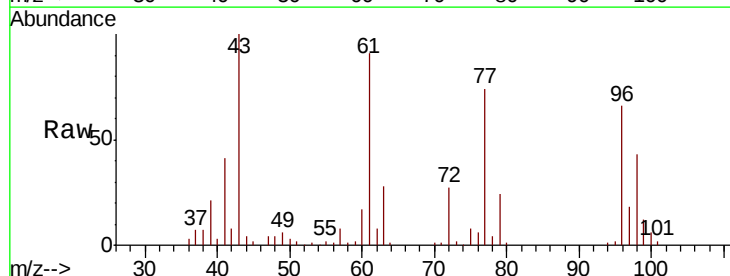
Tgt Ion: 96 Resp: 143570

Ion Ratio Lower Upper

96 100

61 139.7 110.0 165.0

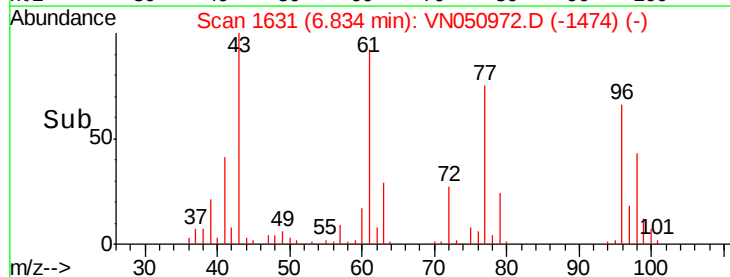
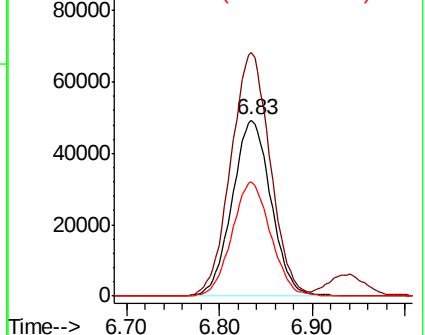
98 64.6 51.7 77.5

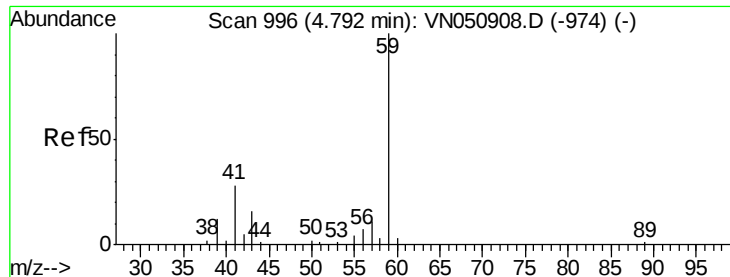


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 88.77 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

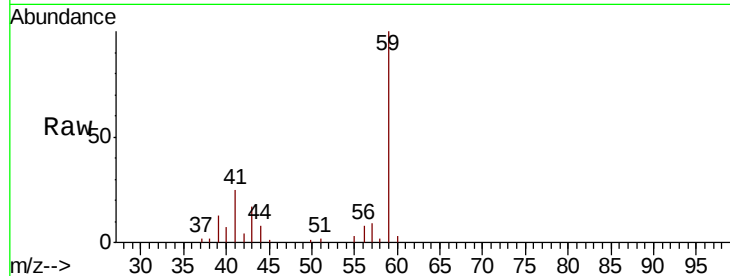
VN0830WBS02

Tot Ion: 59 Resp: 47437

Ion Ratio Lower Upper

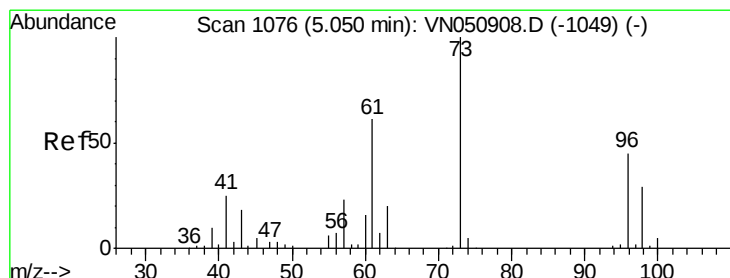
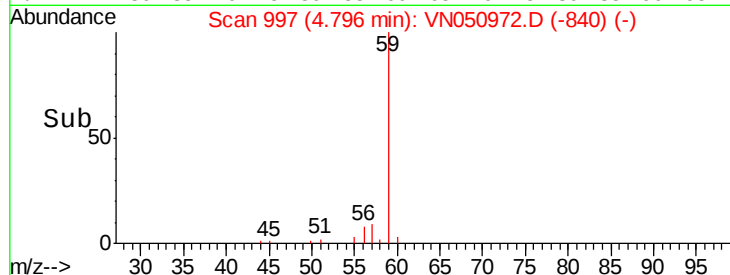
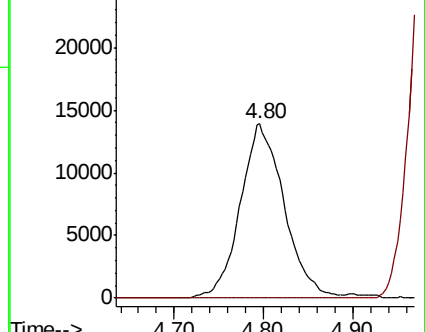
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 18.56 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050972.D

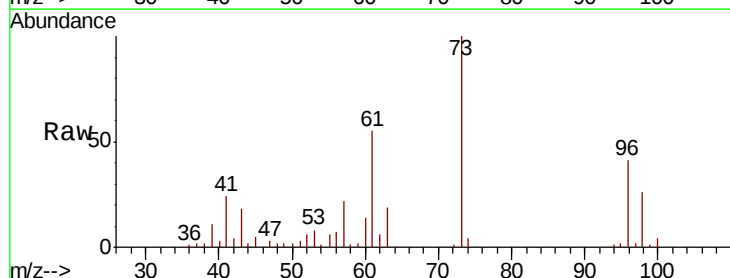
Acq: 30 Aug 2018 19:34

Tgt Ion: 73 Resp: 326192

Ion Ratio Lower Upper

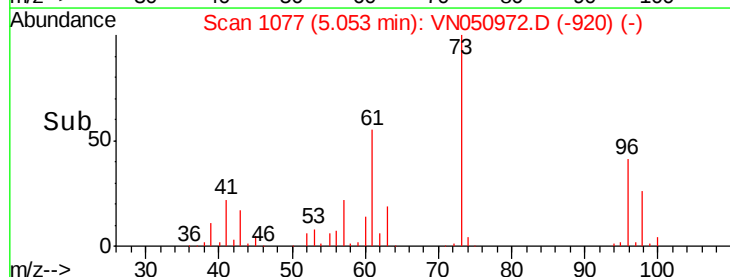
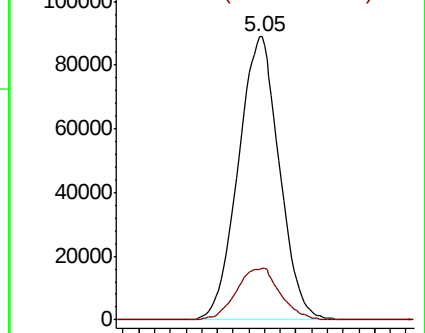
73 100

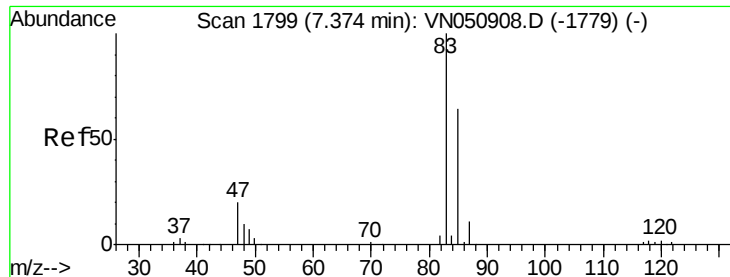
43 18.9 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

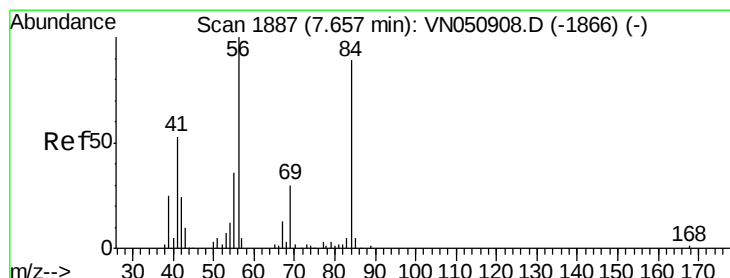
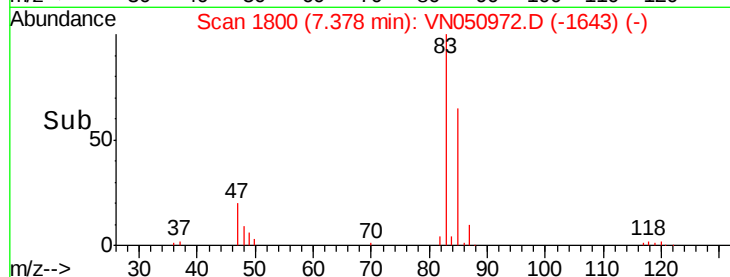
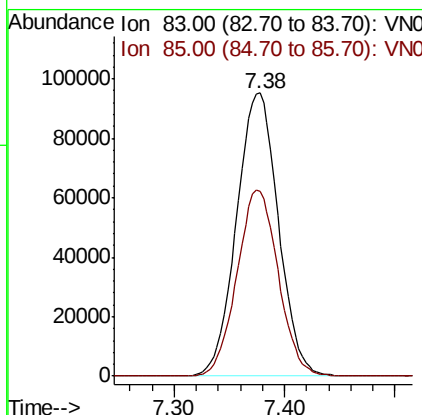
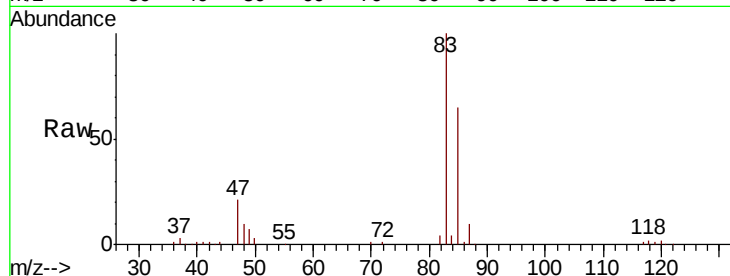




#25
Chloroform
Concen: 19.48 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

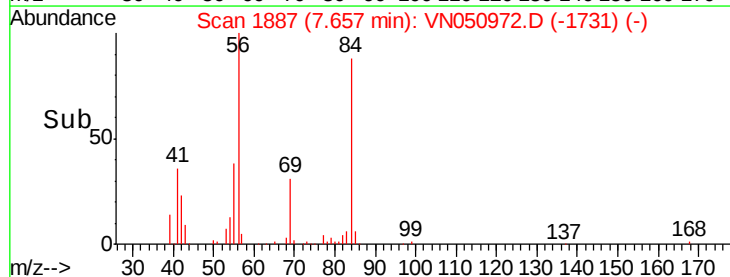
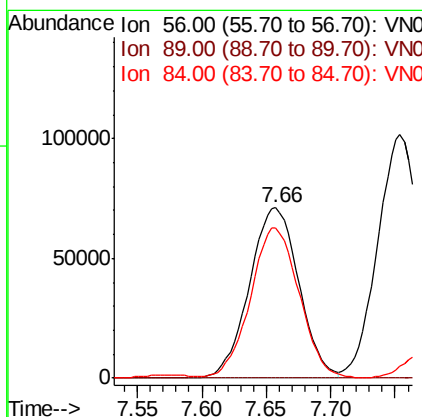
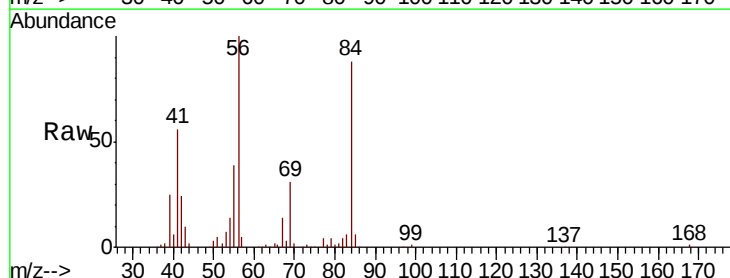
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

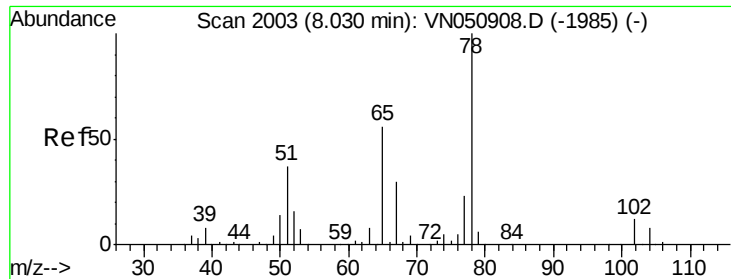
Tot Ion: 83 Resp: 250229
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.0



#26
Cyclohexane
Concen: 17.80 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 56 Resp: 189795
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 87.1 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.83 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

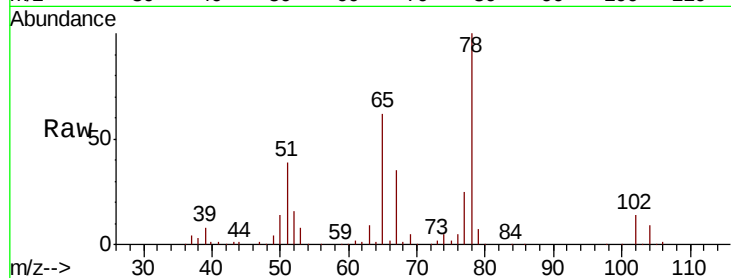
VN0830WBS02

Tot Ion: 65 Resp: 226406

Ion Ratio Lower Upper

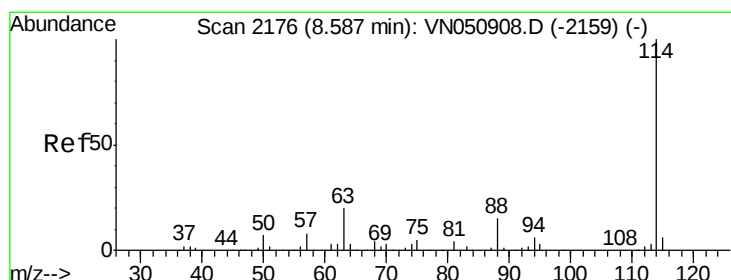
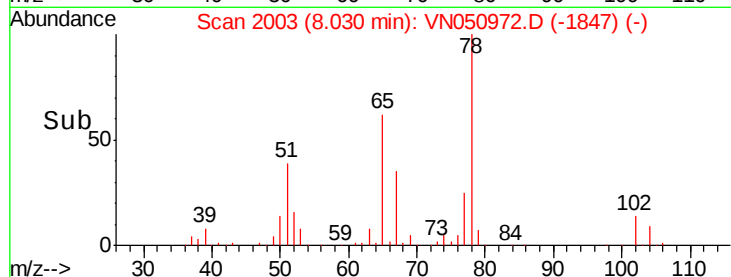
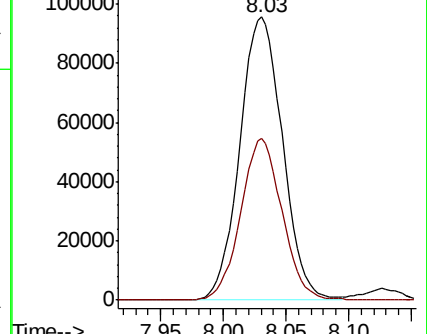
65 100

67 55.2 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

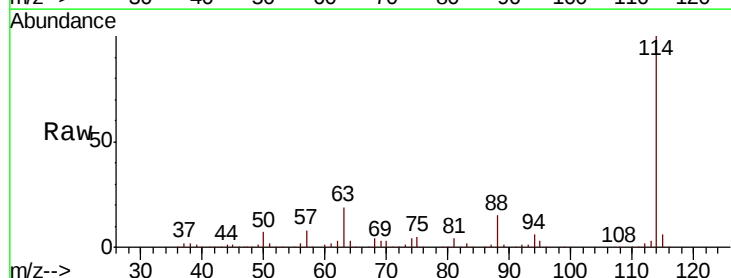
Tgt Ion: 114 Resp: 622082

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

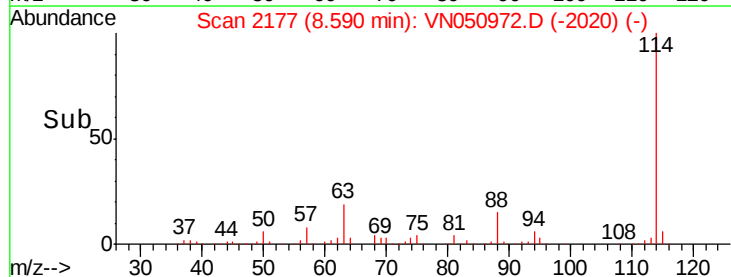
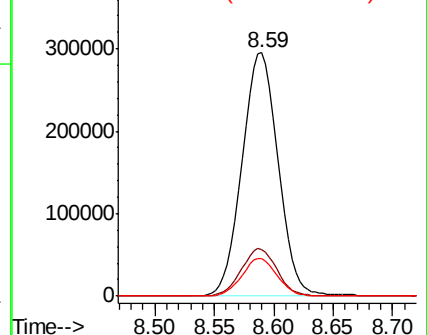
88 15.3 12.2 18.4

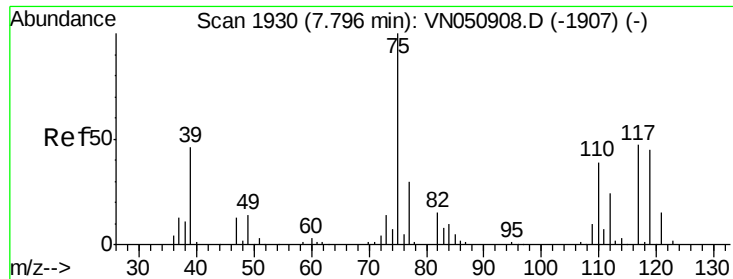


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

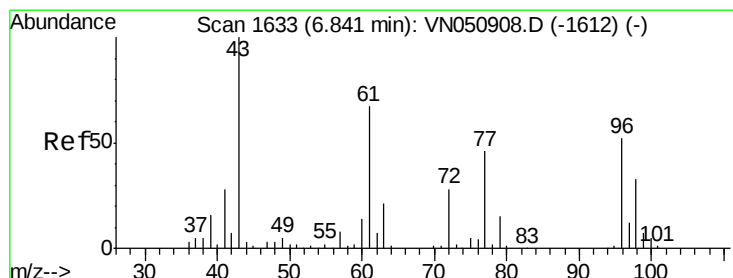
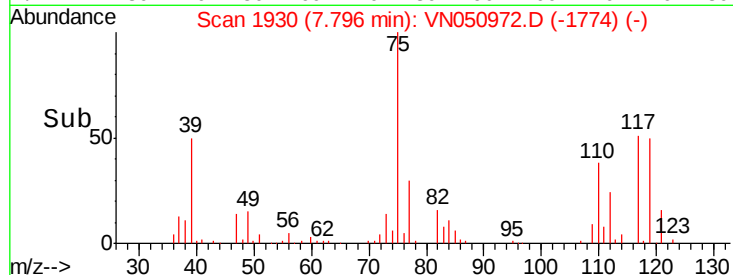
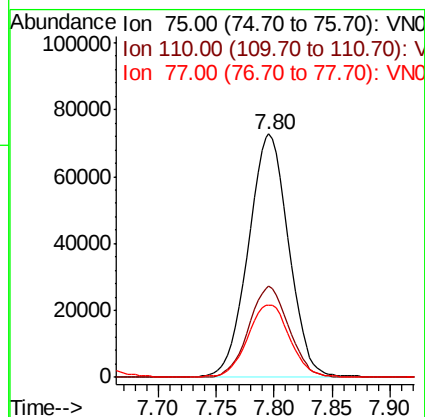
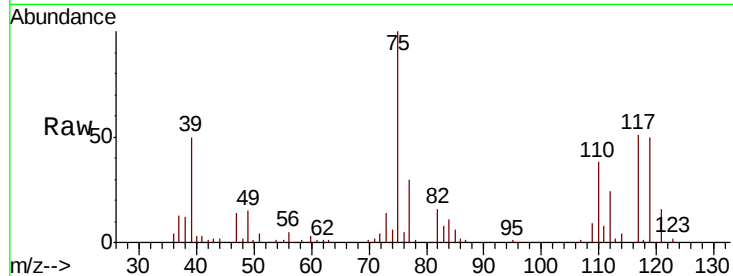




#29
 1,1-Dichloropropene
 Concen: 18.90 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

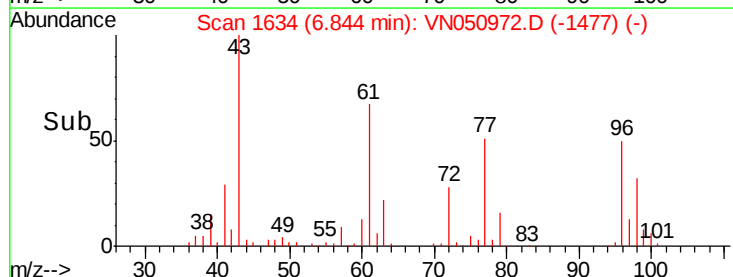
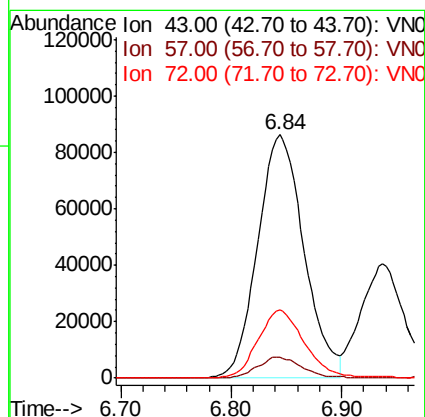
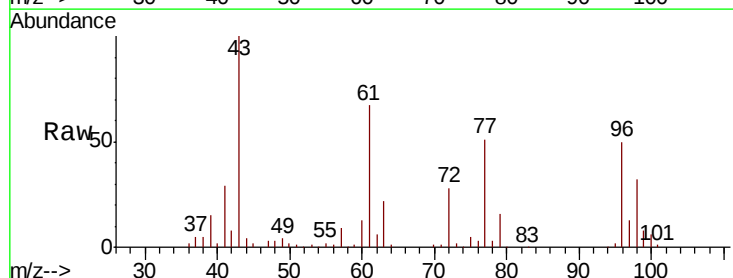
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

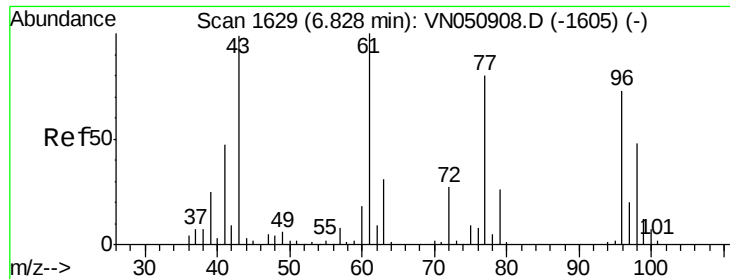
Tot Ion: 75 Resp: 176036
 Ion Ratio Lower Upper
 75 100
 110 37.1 0.0 75.0
 77 31.2 0.0 60.6



#30
 2-Butanone
 Concen: 87.69 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 43 Resp: 251229
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.9 10.3
 72 27.9 22.8 34.2

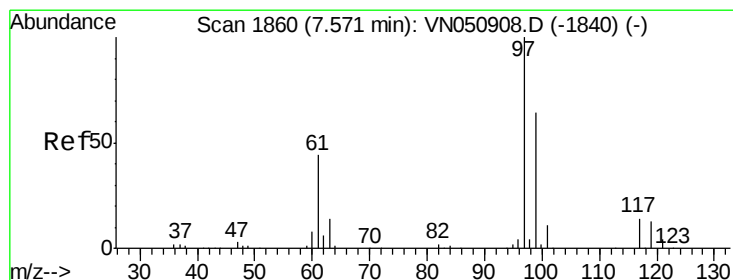
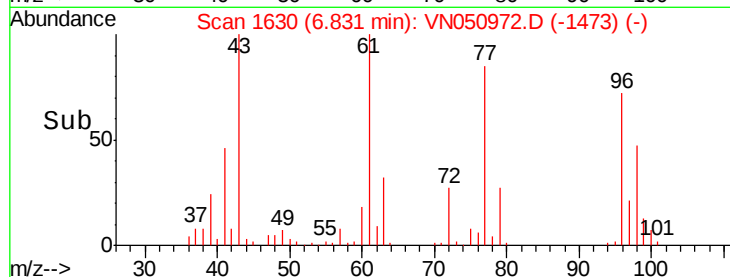
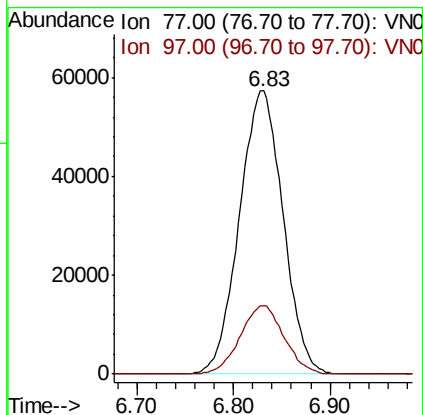
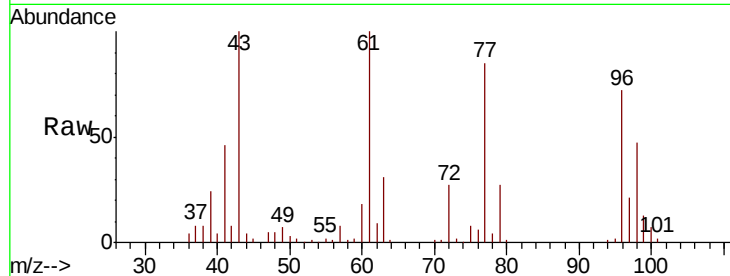




#31
 2,2-Dichloropropane
 Concen: 19.84 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

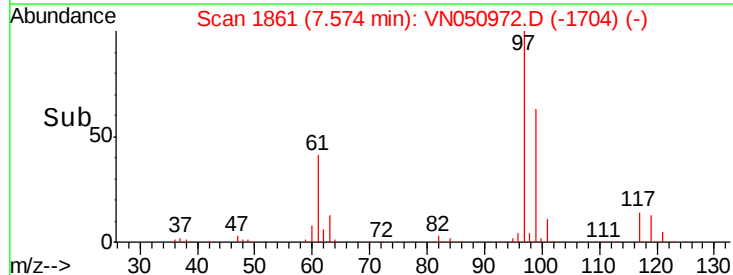
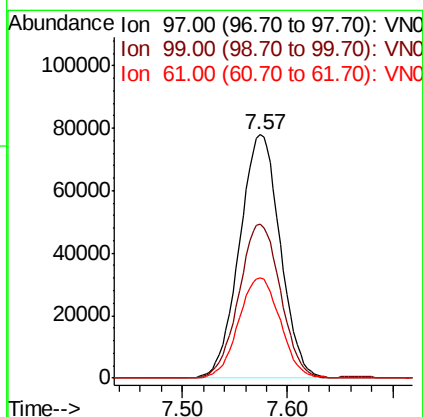
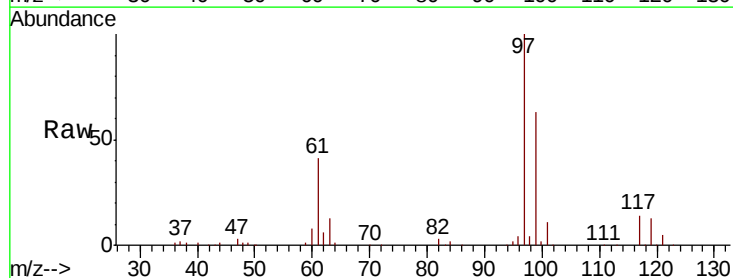
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

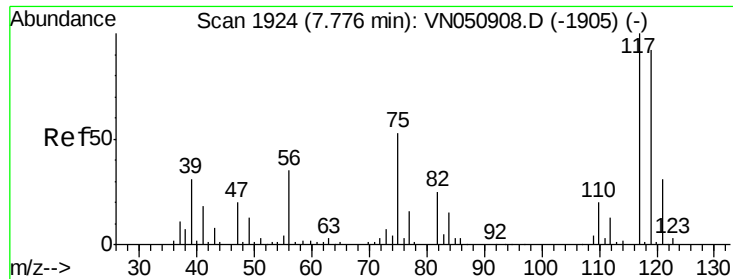
Tot Ion: 77 Resp: 179792
 Ion Ratio Lower Upper
 77 100
 97 24.3 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 19.80 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 97 Resp: 209101
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 42.3 35.0 52.6





#33

Carbon Tetrachloride

Concen: 19.43 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

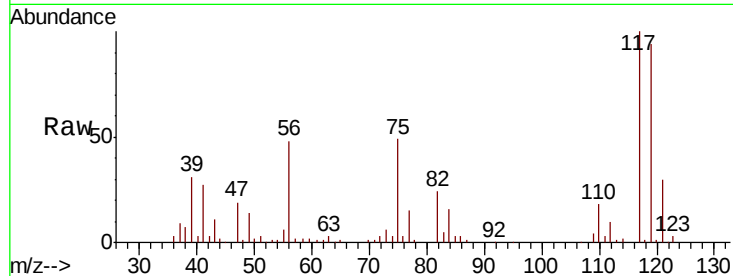
Tot Ion:117 Resp: 184761

Ion Ratio Lower Upper

117 100

119 94.5 73.5 110.3

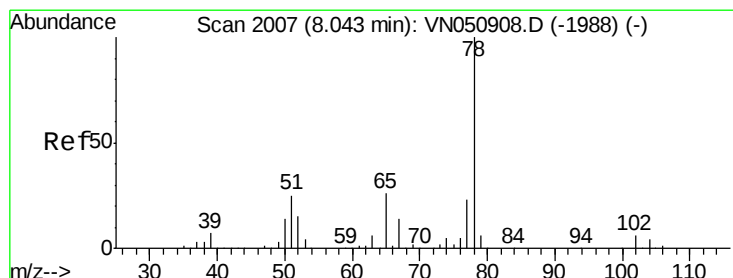
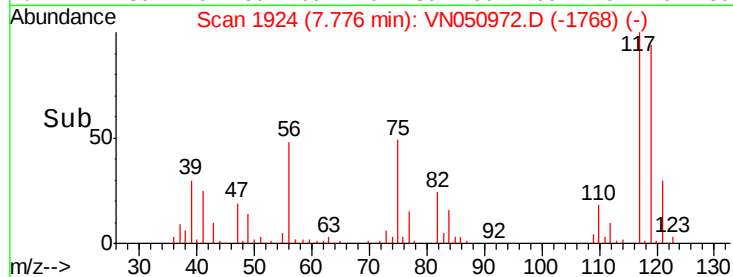
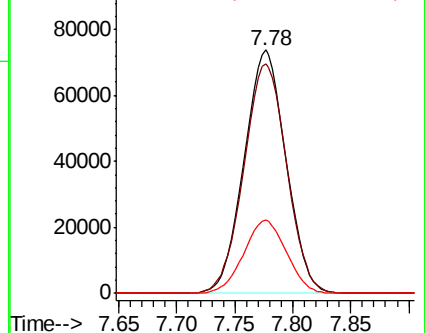
121 30.1 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.26 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

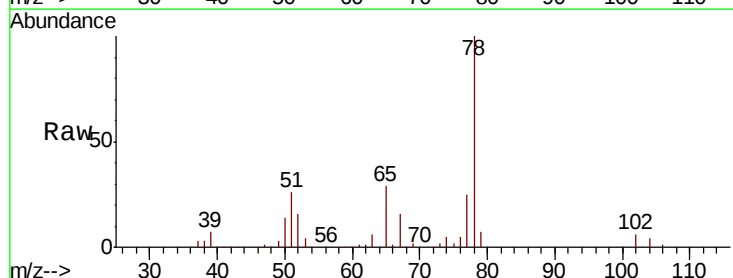
Tgt Ion: 78 Resp: 554978

Ion Ratio Lower Upper

78 100

77 24.7 18.6 28.0

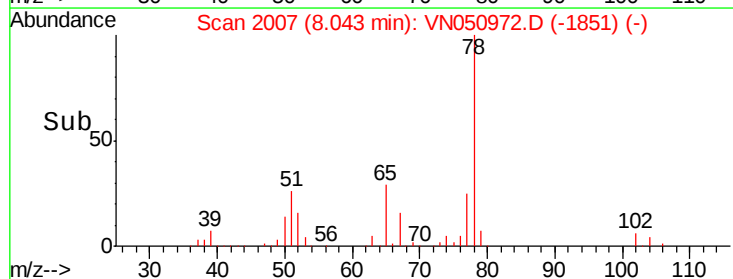
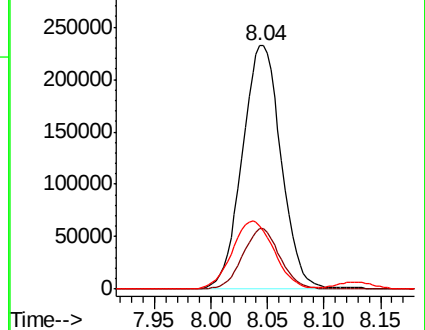
51 26.0 20.0 30.0

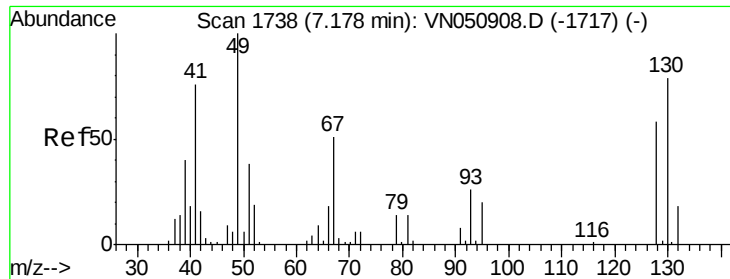


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

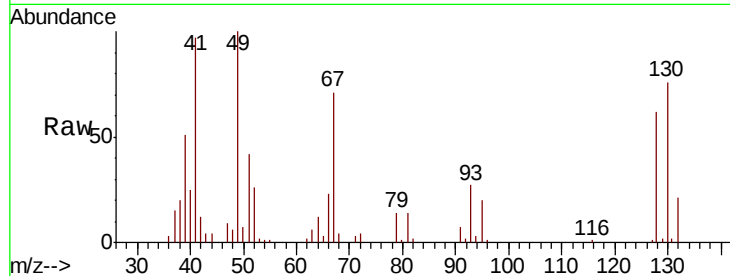




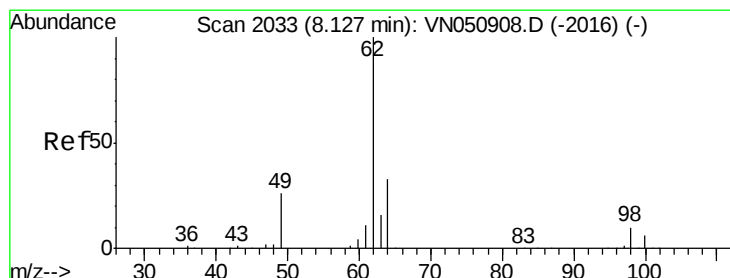
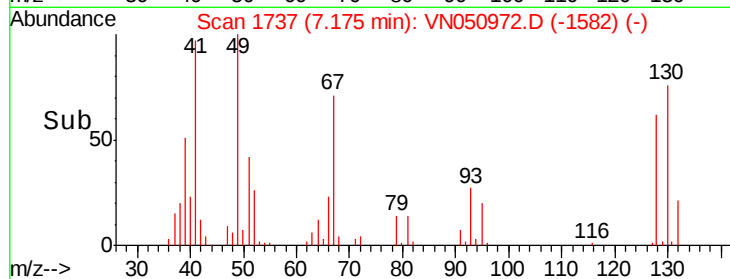
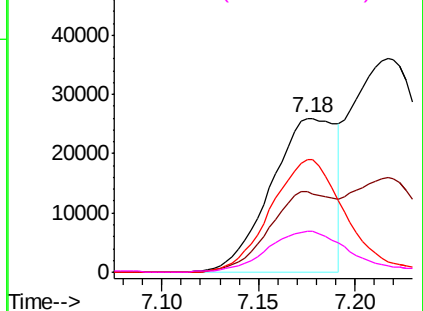
#35
Methacrylonitrile
Concen: 19.47 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion: 41 Resp: 61128
Ion Ratio Lower Upper
41 100
39 52.1 26.2 78.5
67 73.4 33.9 101.6
52 26.7 12.5 37.5

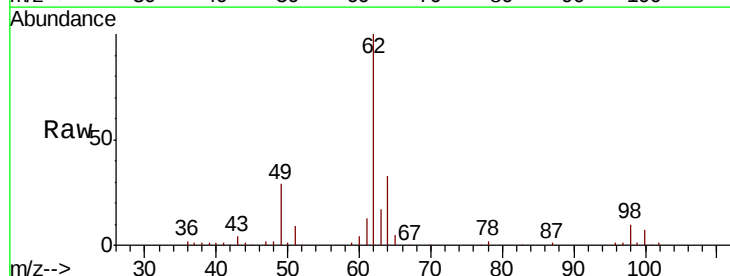


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

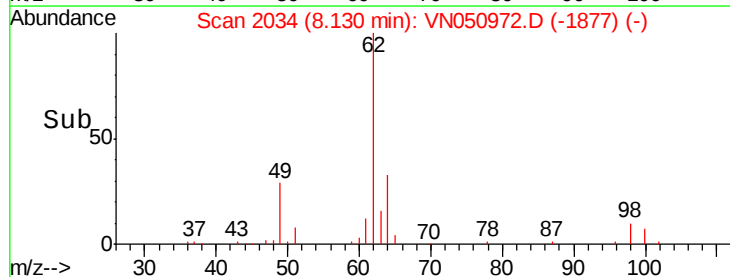
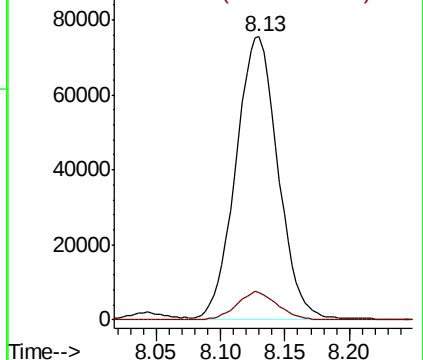


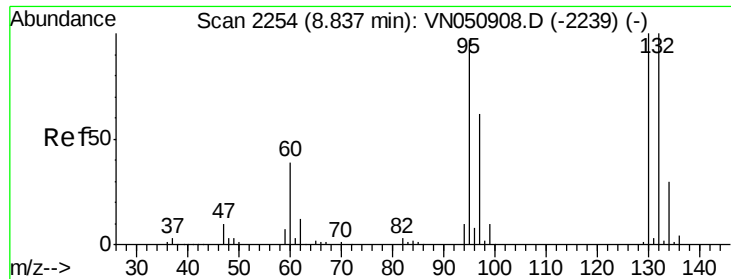
#36
1,2-Dichloroethane
Concen: 19.71 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 62 Resp: 171722
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

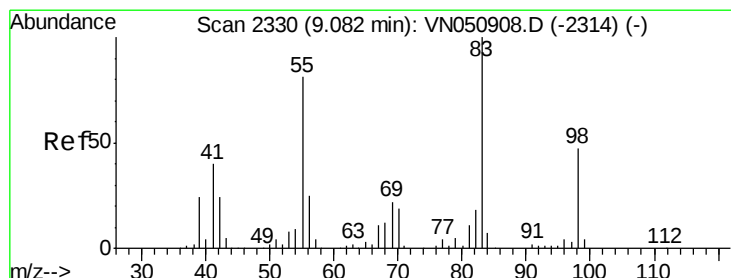
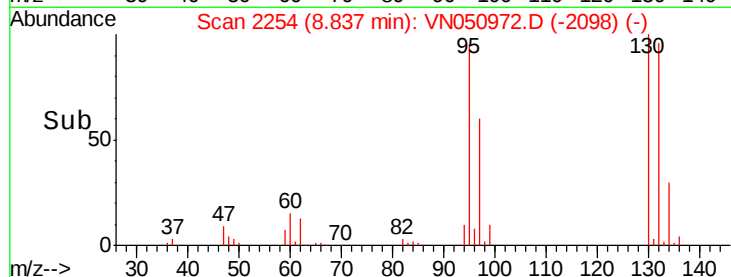
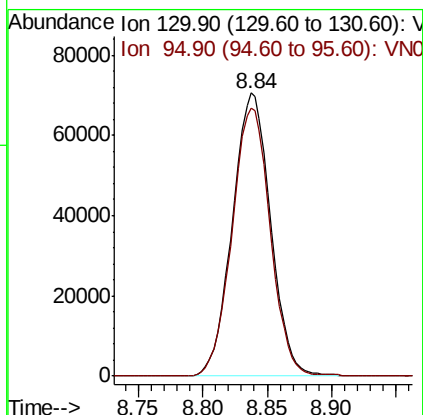
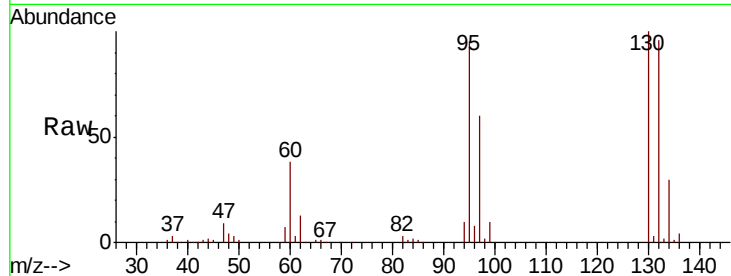




#37
 Trichloroethene
 Concen: 19.31 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

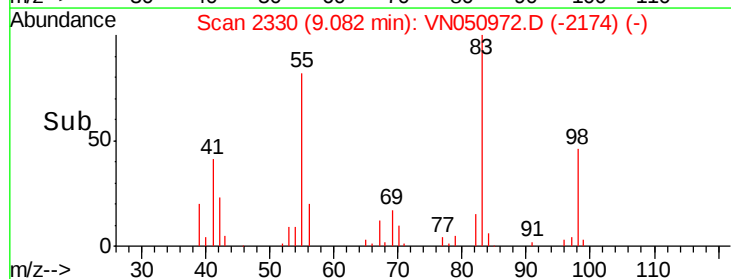
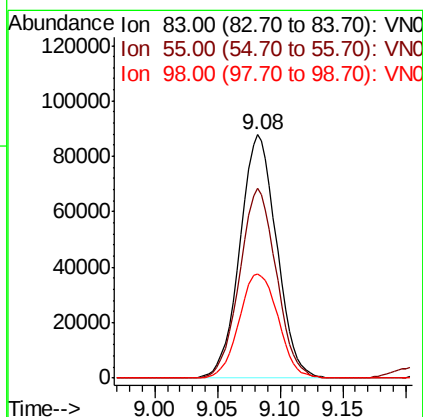
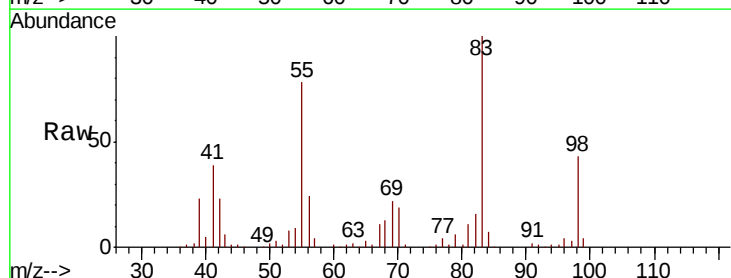
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

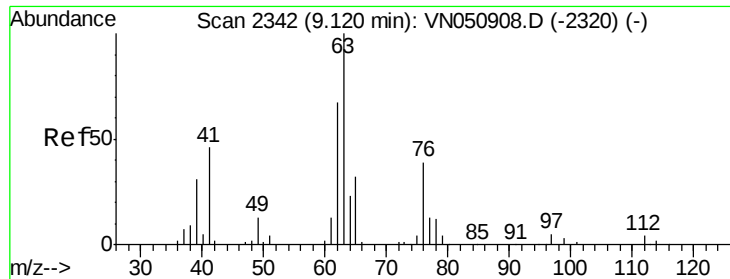
Tot Ion:130 Resp: 145374
 Ion Ratio Lower Upper
 130 100
 95 94.8 77.4 116.0



#38
 Methylcyclohexane
 Concen: 17.85 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 83 Resp: 178541
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.9 116.7
 98 45.4 22.9 68.7

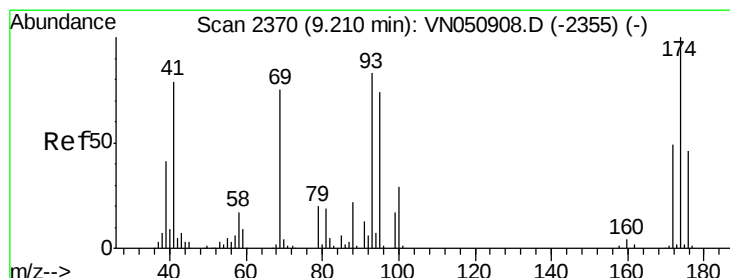
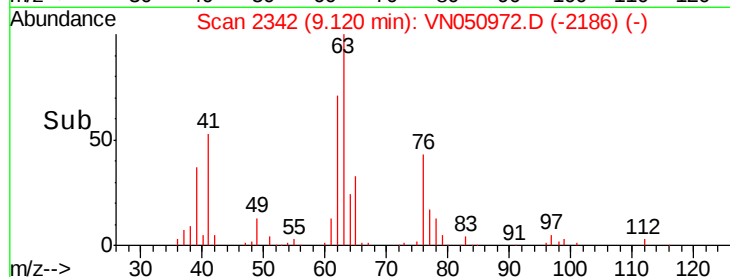
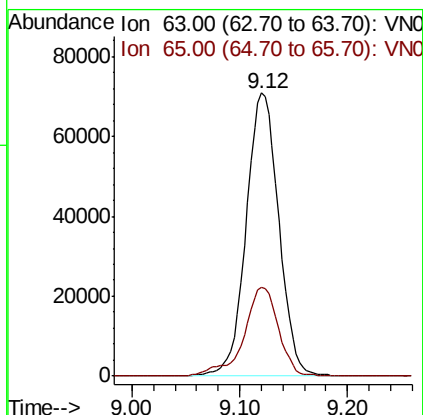
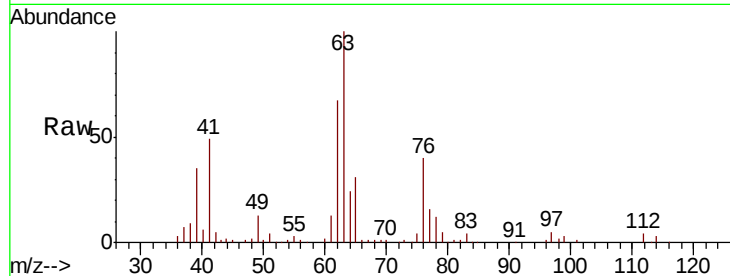




#39
 1,2-Dichloropropane
 Concen: 19.82 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

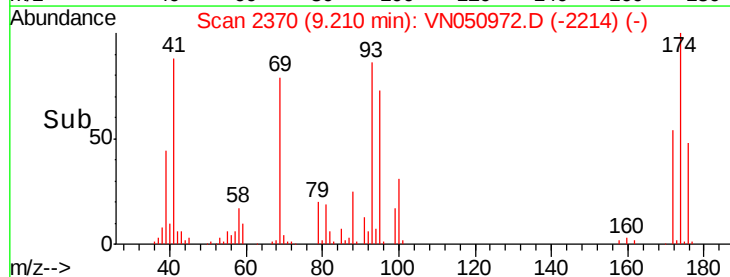
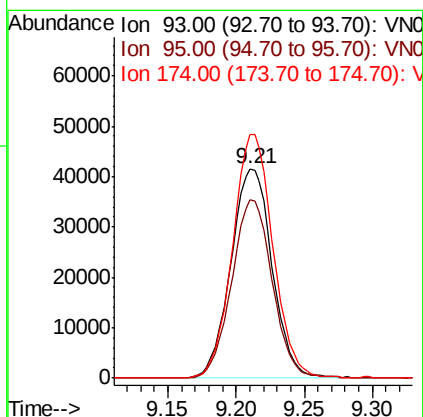
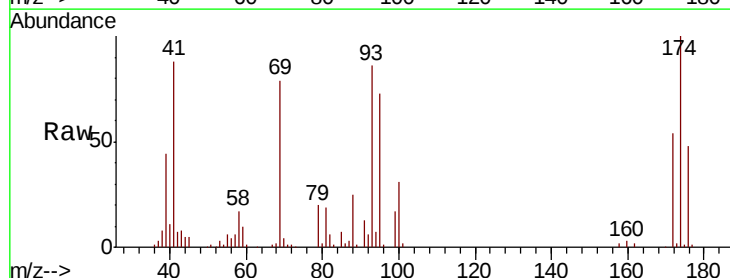
Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

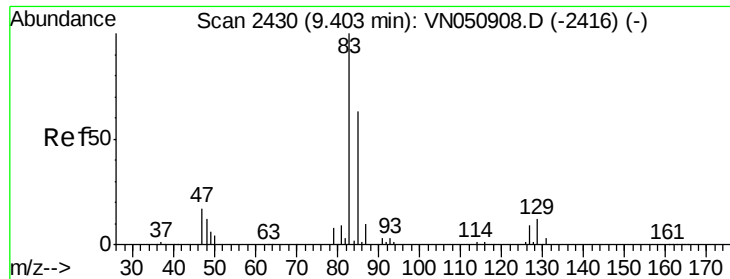
Tot Ion: 63 Resp: 149126
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4



#40
 Dibromomethane
 Concen: 19.26 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 93 Resp: 87291
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 173.4
 174 113.8 0.0 234.8





#41

Bromodichloromethane

Concen: 19.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

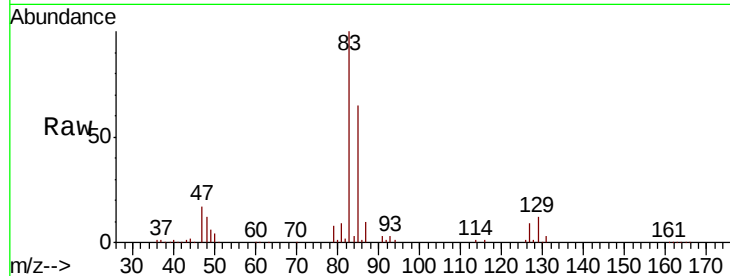
Tot Ion: 83 Resp: 184439

Ion Ratio Lower Upper

83 100

85 65.0 50.6 76.0

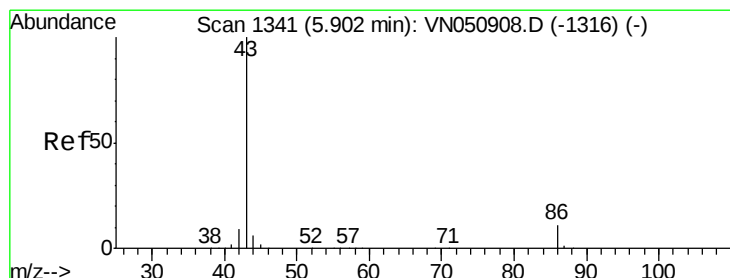
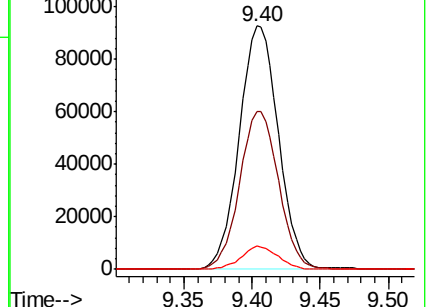
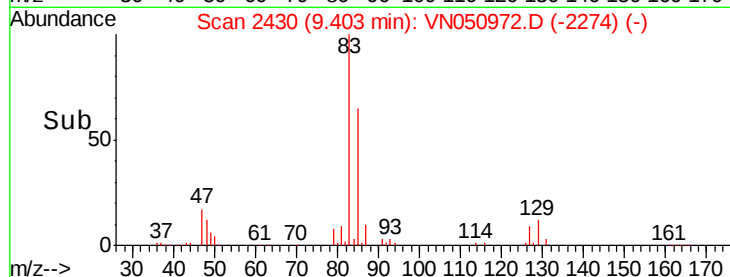
127 9.4 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN050972.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN050972.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN050972.D (-2274) (-)



#42

Vinyl Acetate

Concen: 92.10 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050972.D

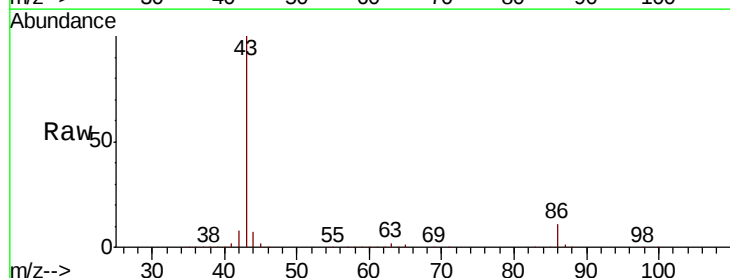
Acq: 30 Aug 2018 19:34

Tgt Ion: 43 Resp: 1215346

Ion Ratio Lower Upper

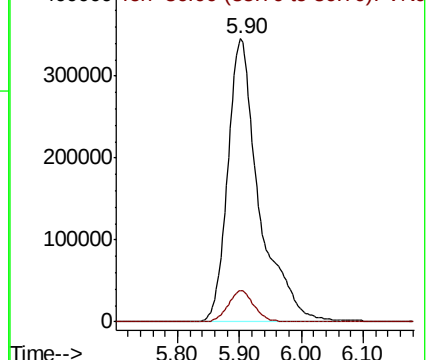
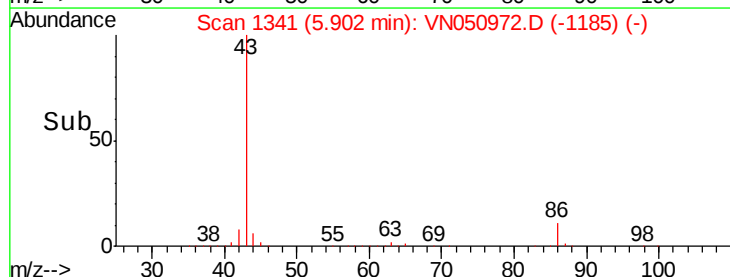
43 100

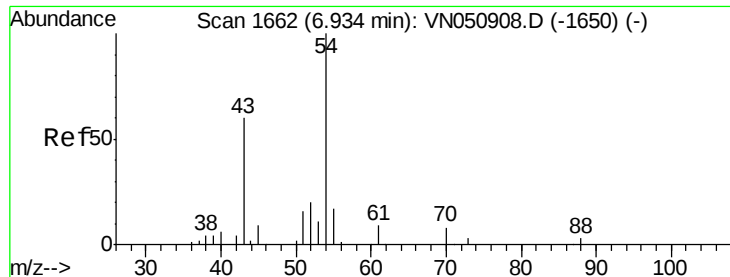
86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050972.D (-1185) (-)

Ion 86.00 (85.70 to 86.70): VN050972.D (-1185) (-)

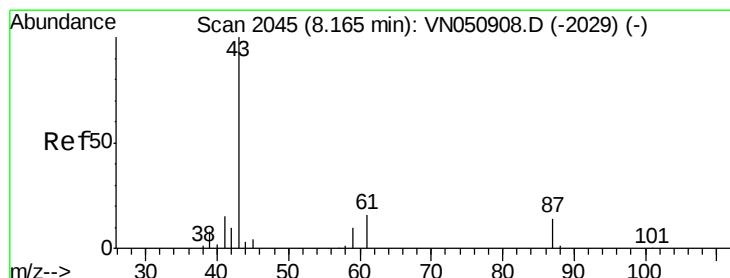
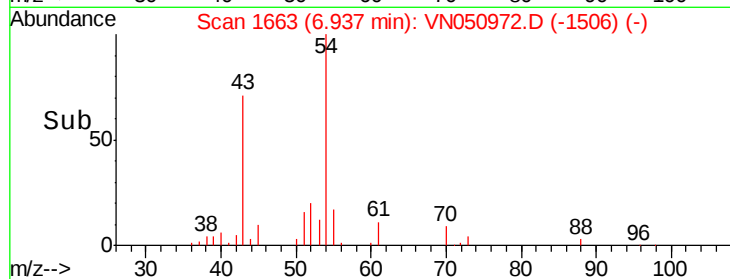
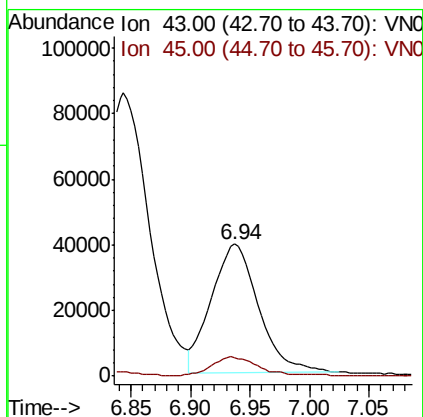
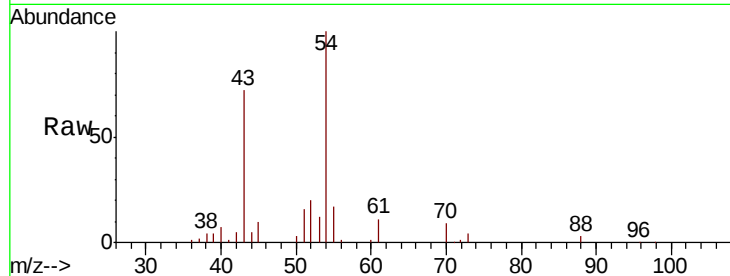




#43
Ethyl Acetate
Concen: 18.53 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

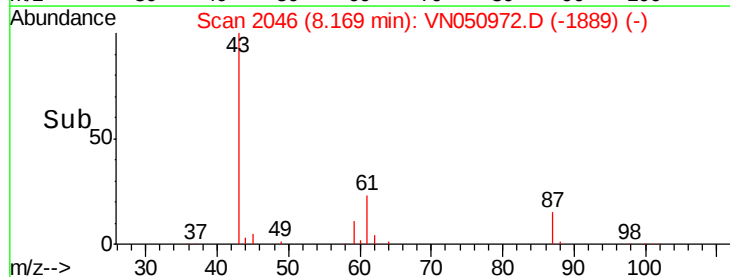
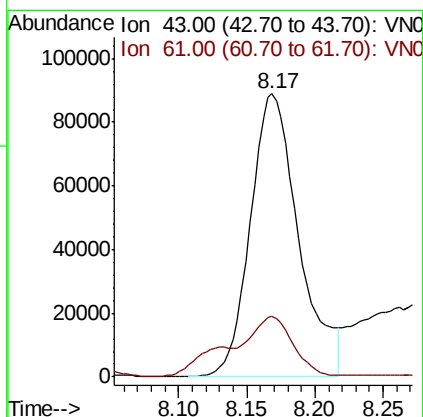
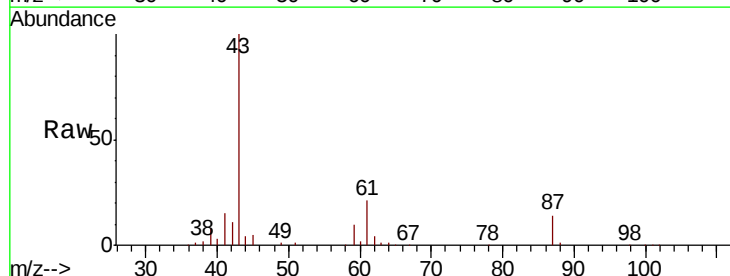
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

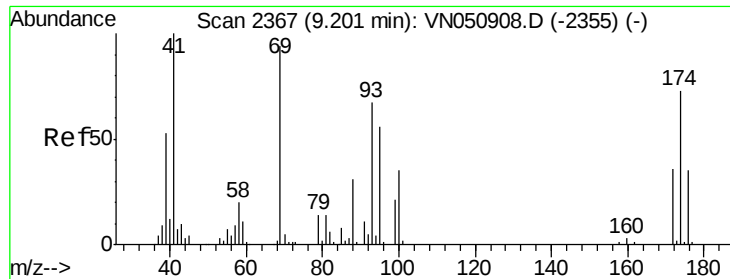
Tot Ion: 43 Resp: 108735
Ion Ratio Lower Upper
43 100
45 13.1 10.2 15.2



#44
Isopropyl Acetate
Concen: 21.24 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 43 Resp: 219924
Ion Ratio Lower Upper
43 100
61 18.3 16.3 24.5





#45

1,4-Dioxane

Concen: 364.60 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

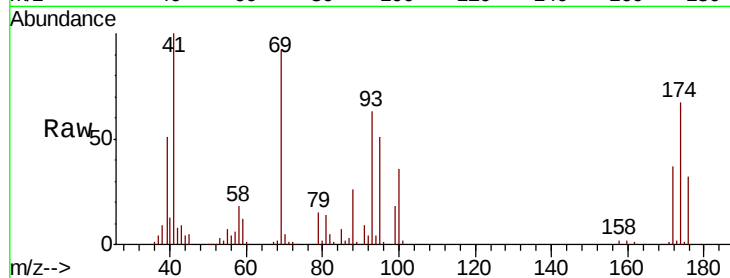
Tot Ion: 88 Resp: 28050

Ion Ratio Lower Upper

88 100

43 31.9 23.5 35.3

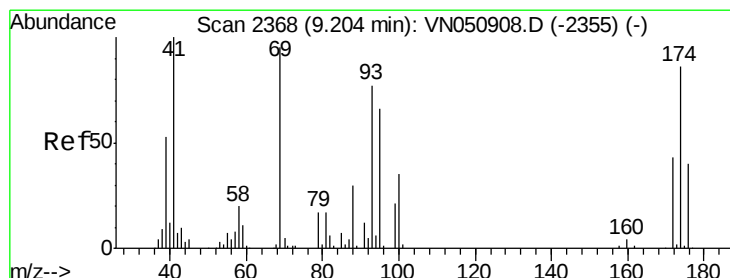
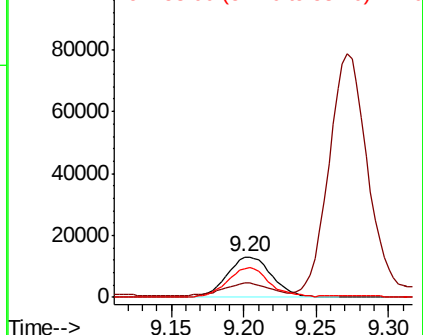
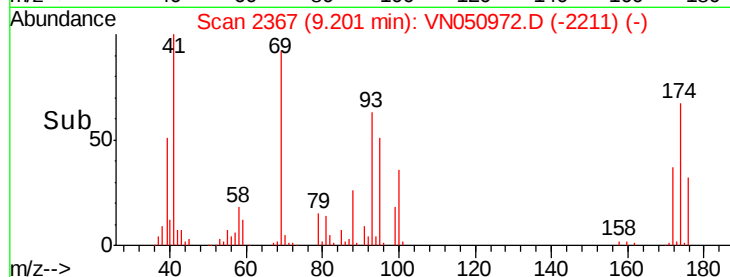
58 69.4 55.2 82.8



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: 17.95 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

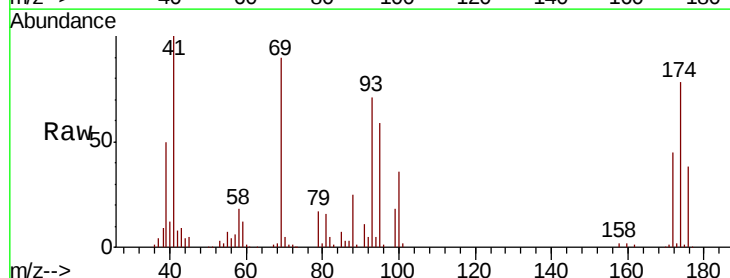
Tgt Ion: 41 Resp: 93080

Ion Ratio Lower Upper

41 100

69 91.8 47.4 142.2

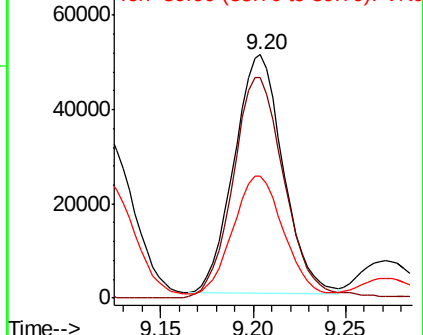
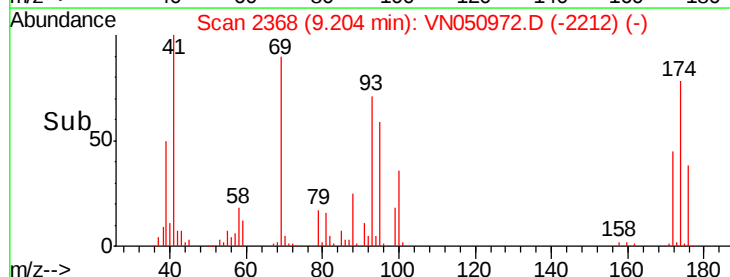
39 49.8 26.6 79.7

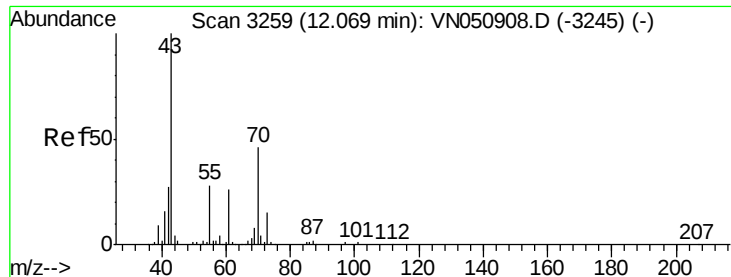


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 16.41 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

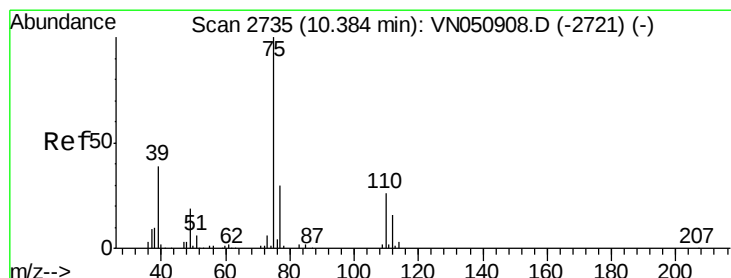
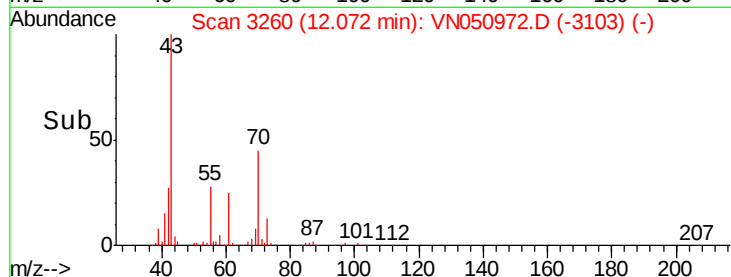
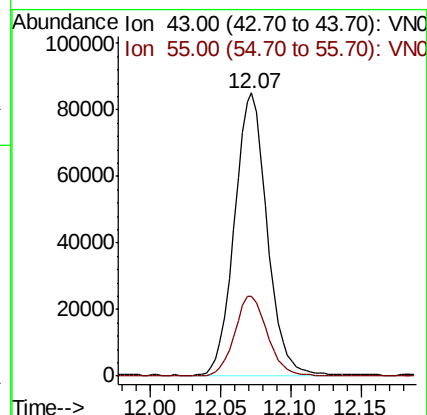
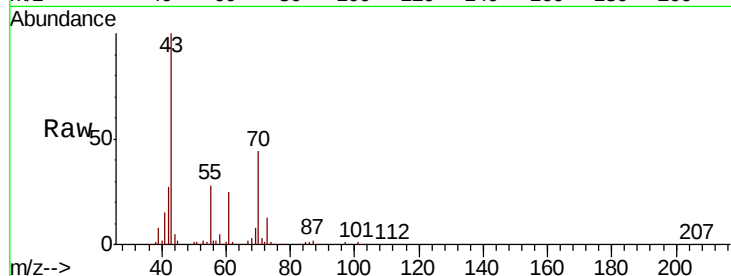
VN0830WBS02

Tot Ion: 43 Resp: 136656

Ion Ratio Lower Upper

43 100

55 28.8 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 17.91 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050972.D

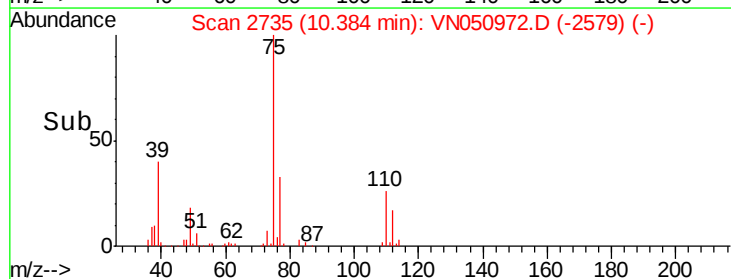
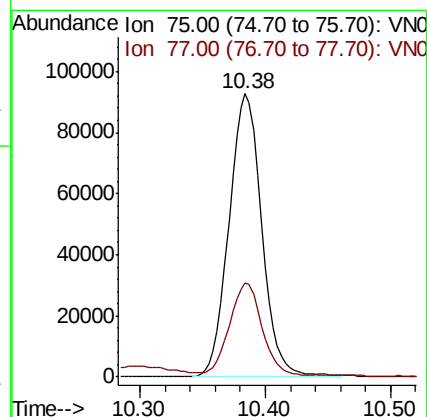
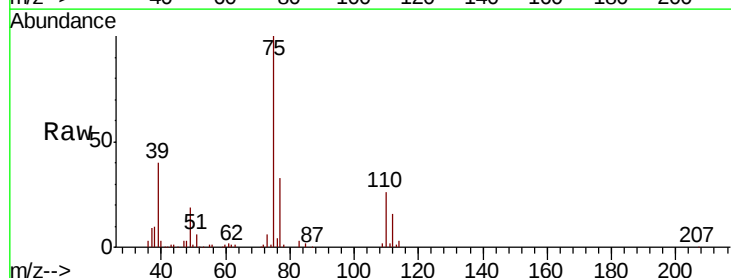
Acq: 30 Aug 2018 19:34

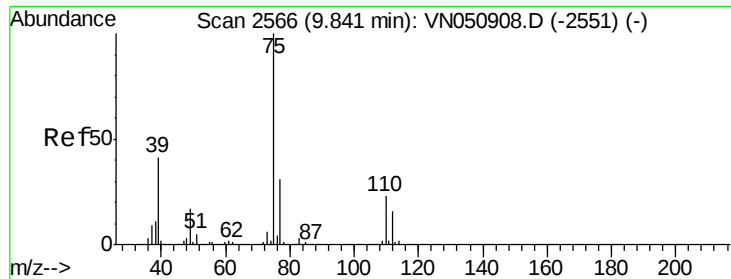
Tgt Ion: 75 Resp: 167720

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

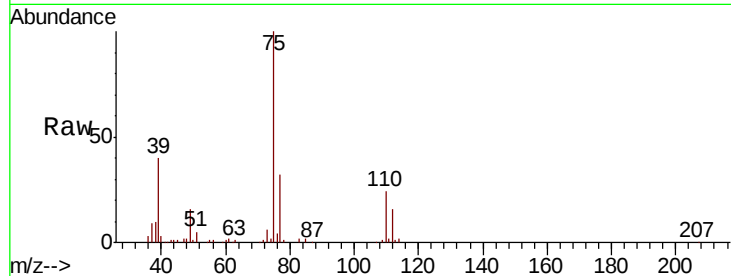




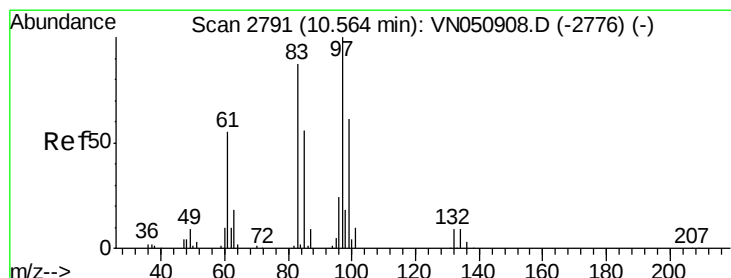
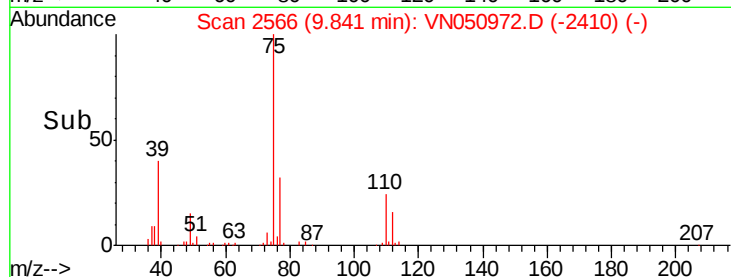
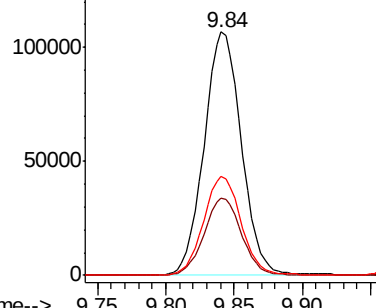
#49
 cis-1,3-Dichloropropene
 Concen: 18.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion: 75 Resp: 202713
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4
 39 40.3 32.9 49.3

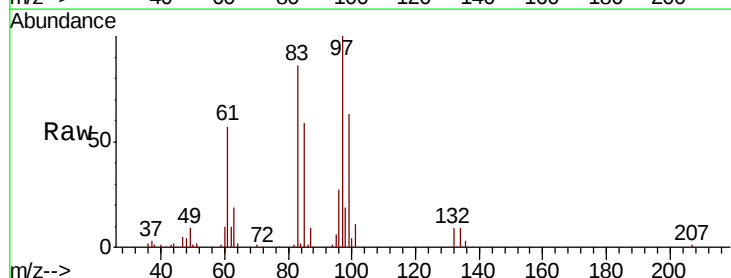


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

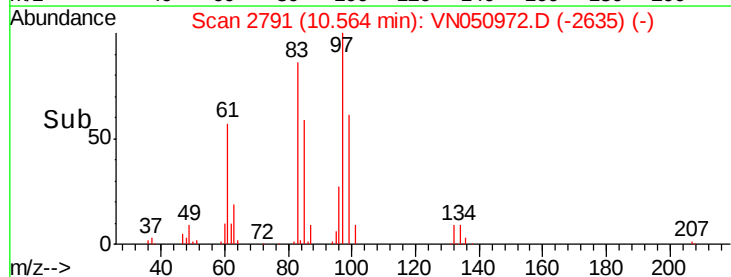
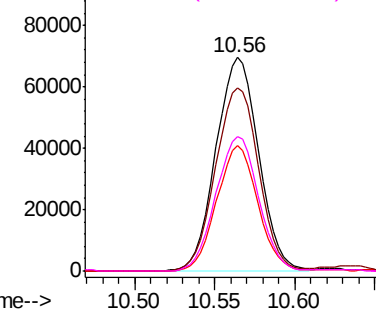


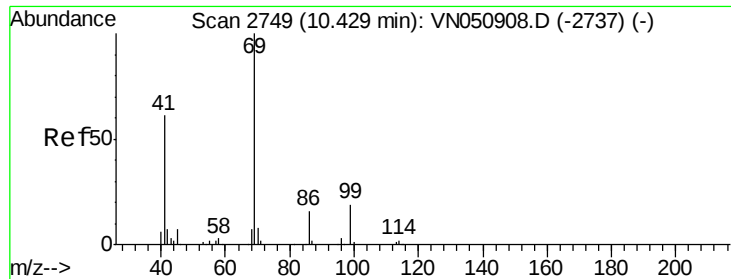
#50
 1,1,2-Trichloroethane
 Concen: 19.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 97 Resp: 127441
 Ion Ratio Lower Upper
 97 100
 83 85.7 69.8 104.6
 85 59.0 45.0 67.6
 99 62.9 49.1 73.7



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 17.25 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

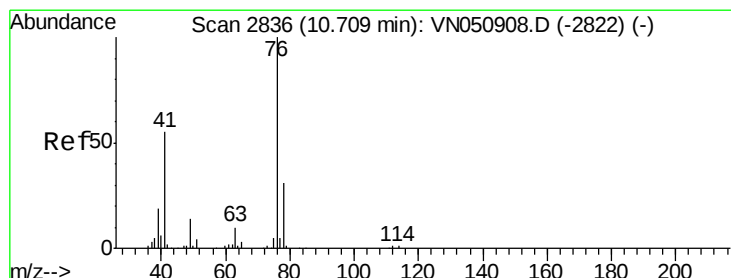
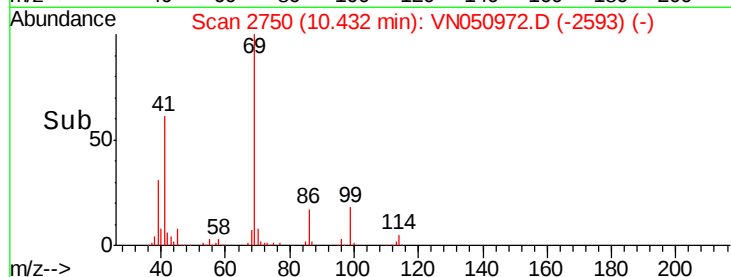
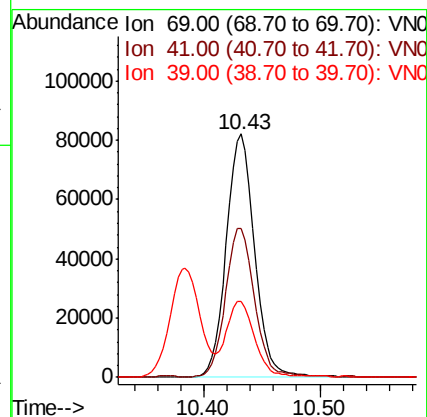
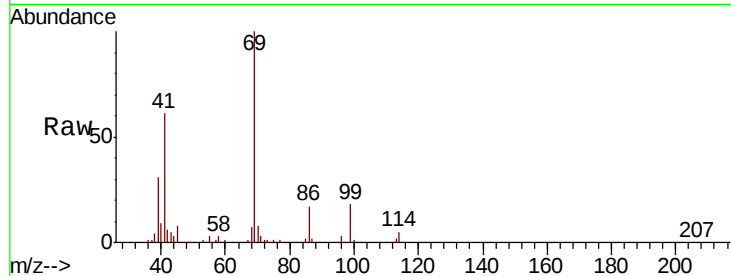
MSVOA_N

ClientSampled :

VN0830WBS02

Tot Ion: 69 Resp: 138967

Ion	Ratio	Lower	Upper
69	100		
41	60.9	30.5	91.5
39	30.6	15.3	45.8



#52

1,3-Dichloropropane

Concen: 18.98 ug/l

RT: 10.71 min Scan# 2836

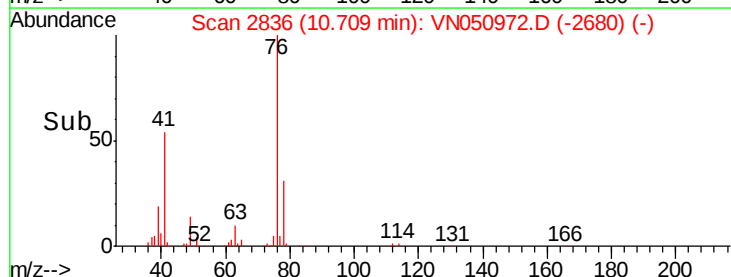
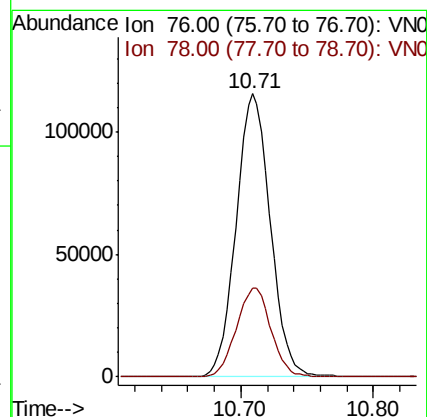
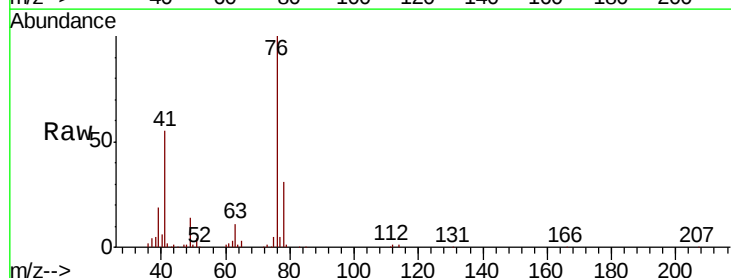
Delta R.T. 0.00 min

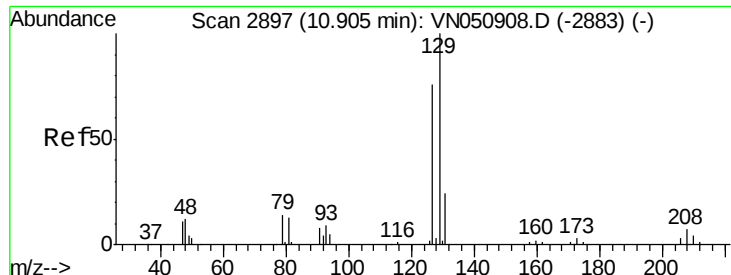
Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion: 76 Resp: 207106

Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4

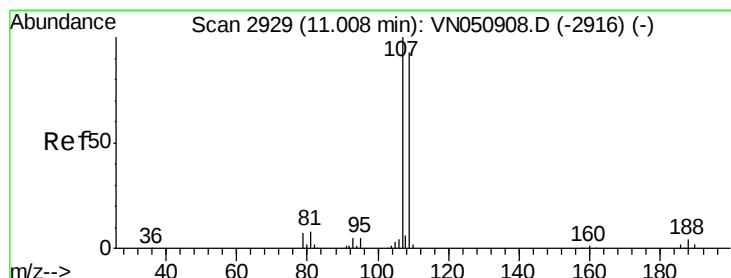
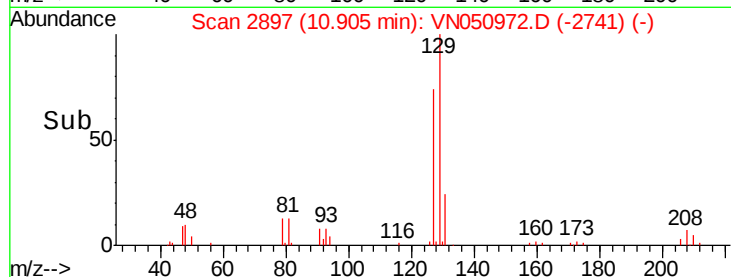
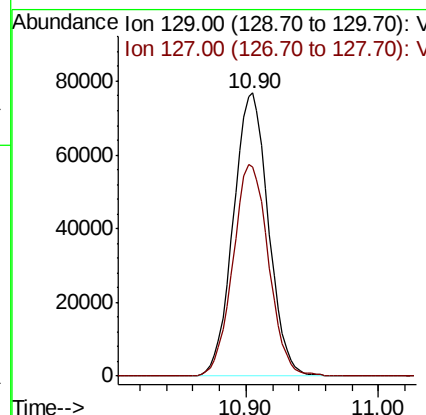
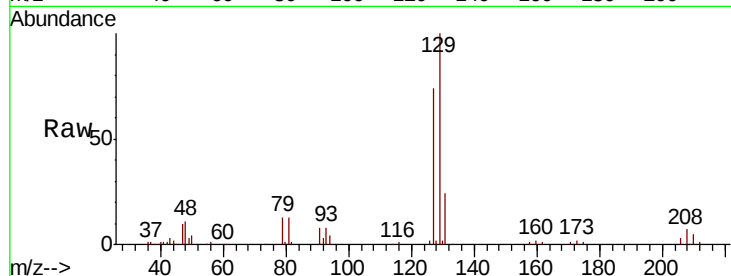




#53
 Dibromochloromethane
 Concen: 18.83 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

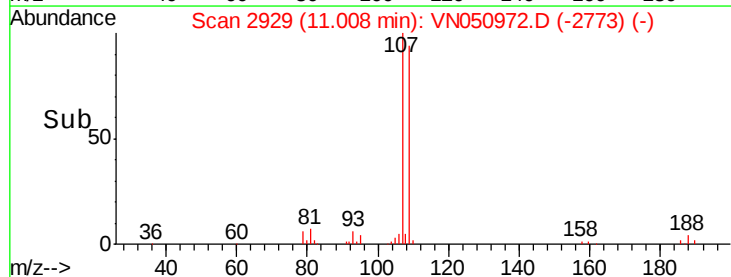
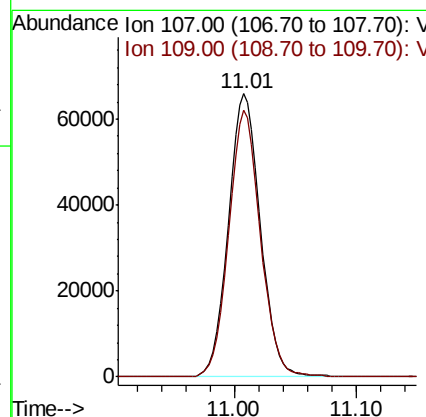
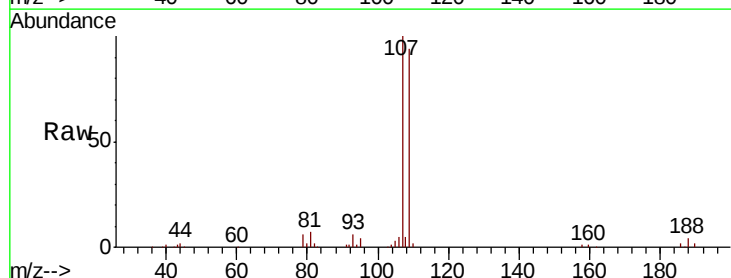
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

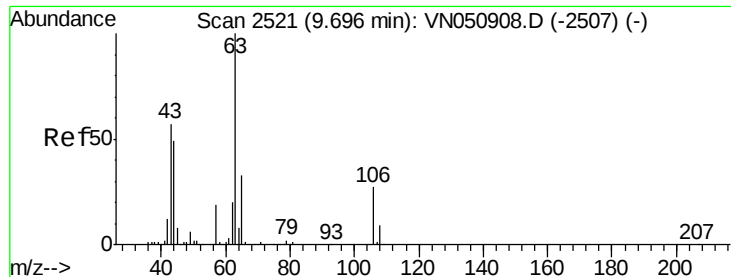
Tot Ion:129 Resp: 141037
 Ion Ratio Lower Upper
 129 100
 127 76.1 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 18.56 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion:107 Resp: 120840
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.4 111.6

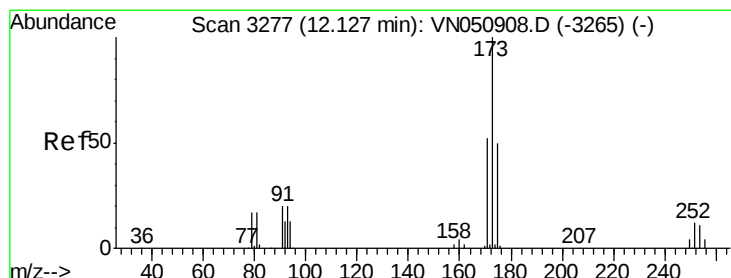
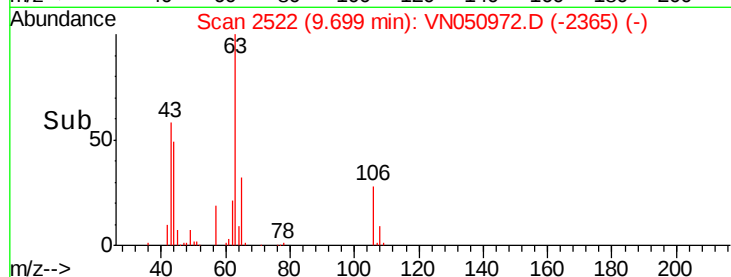
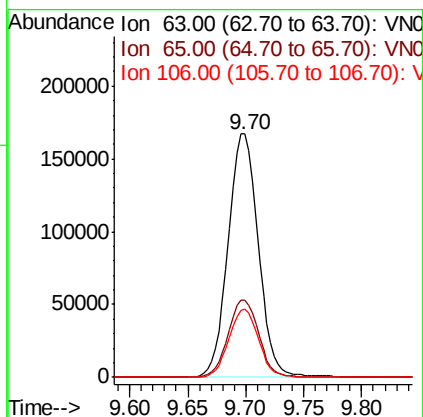
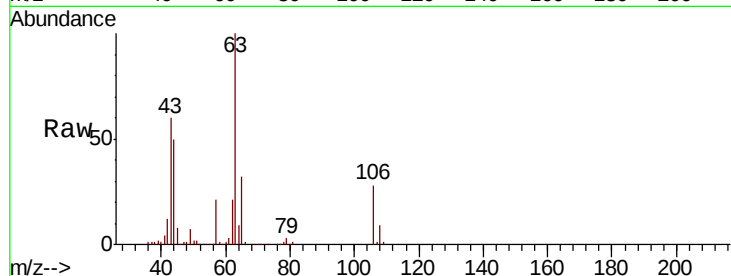




#55
 2-Chloroethyl vinyl ether
 Concen: 89.90 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

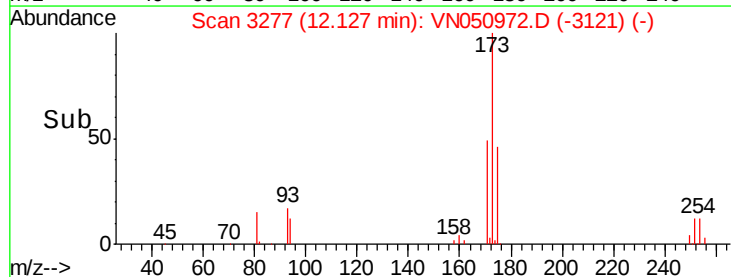
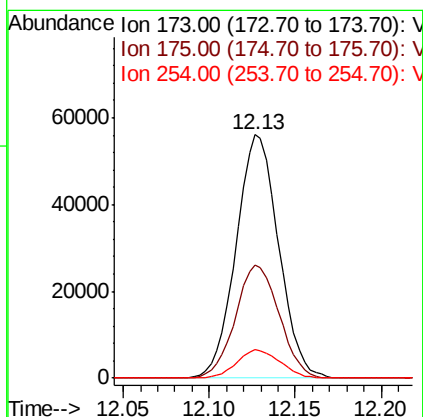
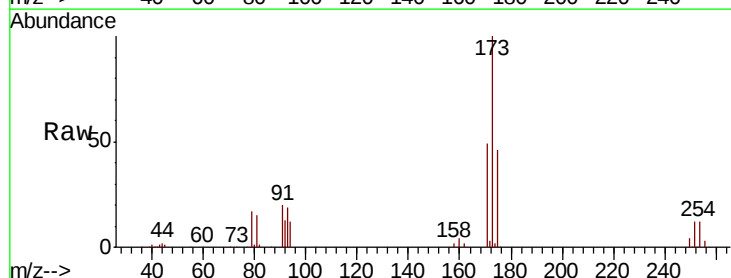
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

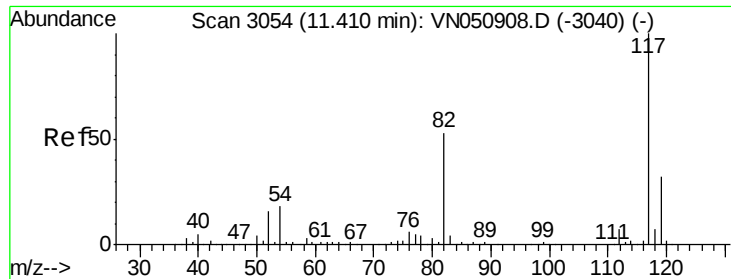
Tot Ion: 63 Resp: 301408
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 27.6 22.0 33.0



#56
 Bromoform
 Concen: 18.05 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 173 Resp: 96124
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.2 58.8
 254 11.8 9.0 13.6

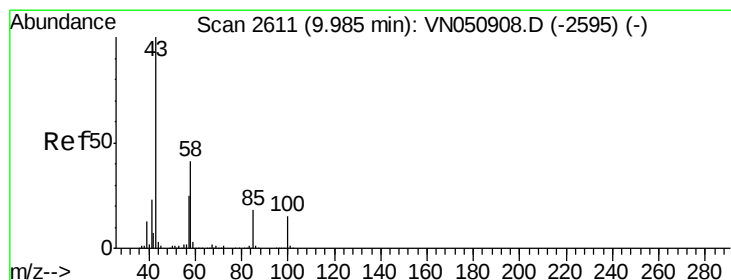
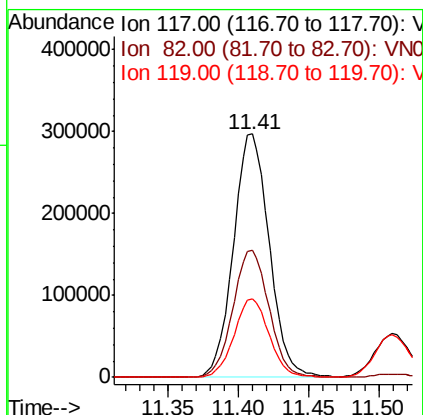
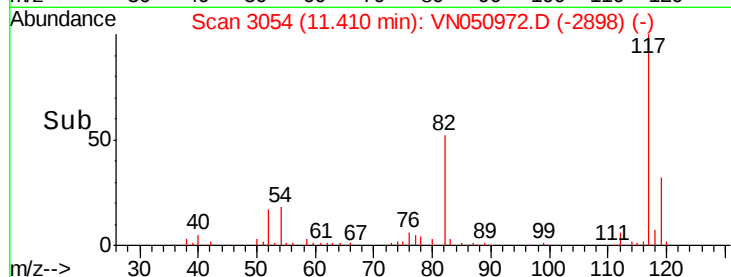
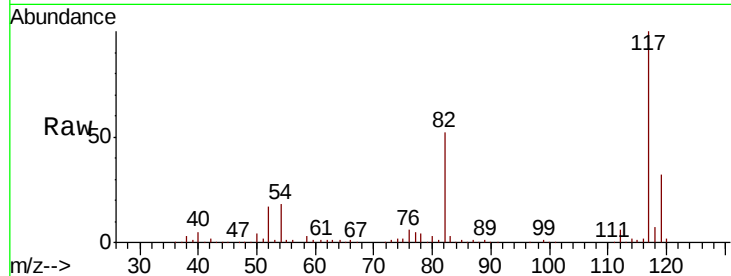




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

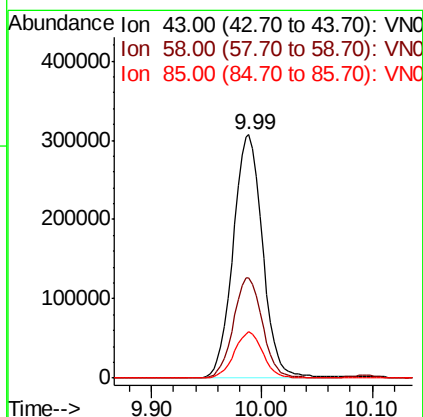
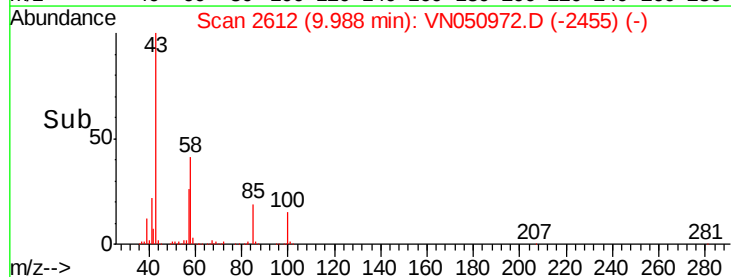
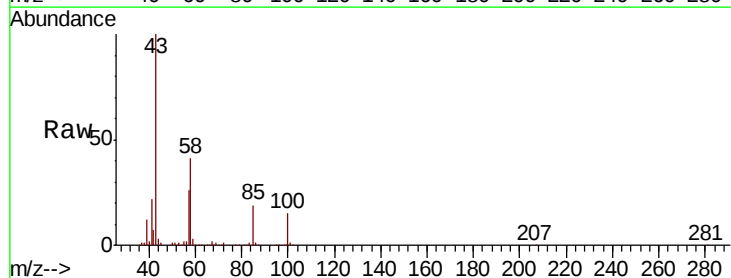
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

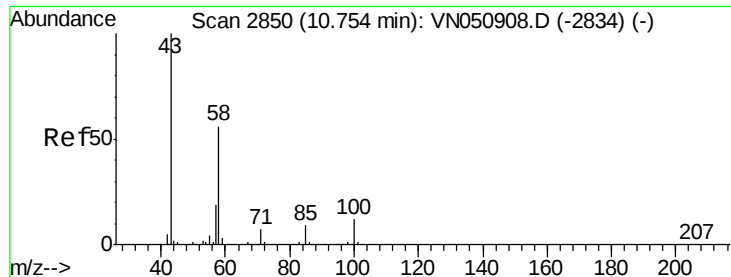
Tot Ion:117 Resp: 529718
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 31.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 93.55 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 43 Resp: 567006
Ion Ratio Lower Upper
43 100
58 40.9 32.3 48.5
85 18.6 14.9 22.3

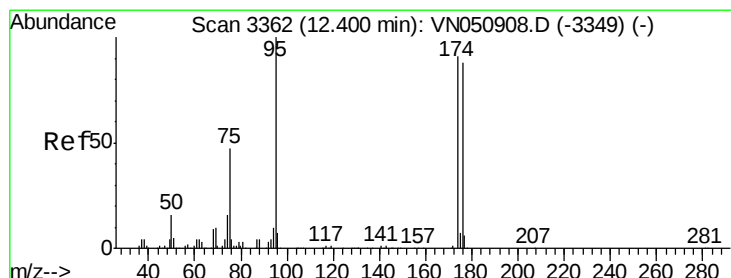
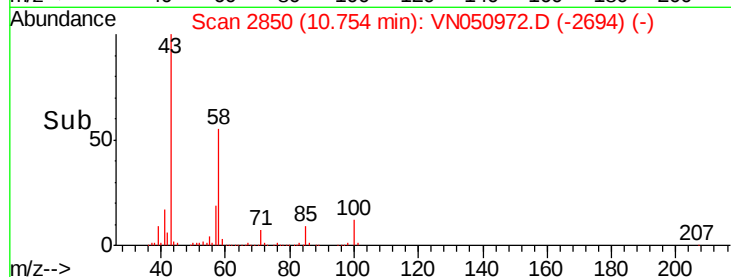
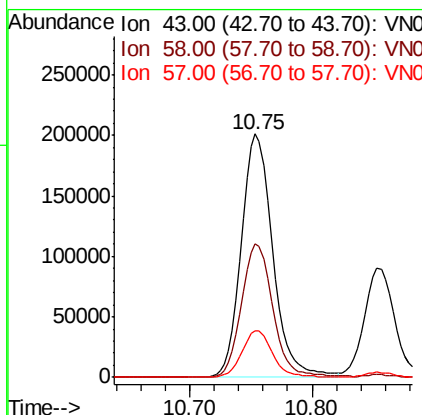
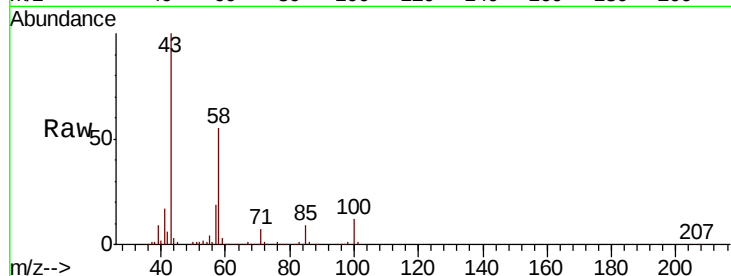




#59
2-Hexanone
Concen: 89.92 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

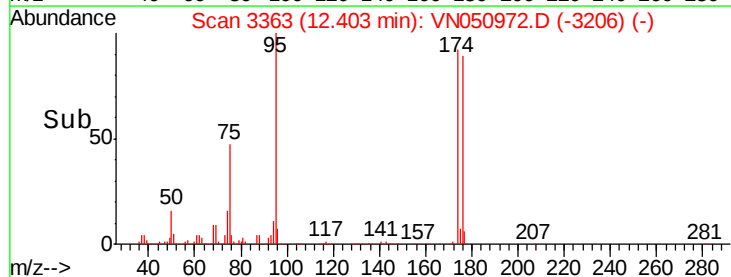
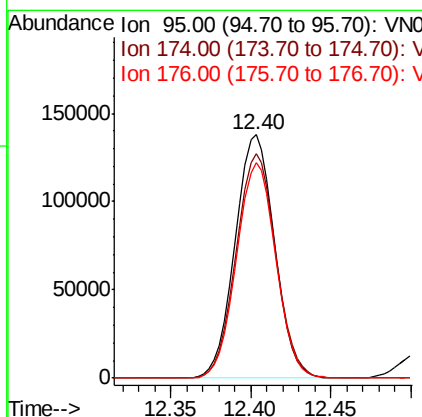
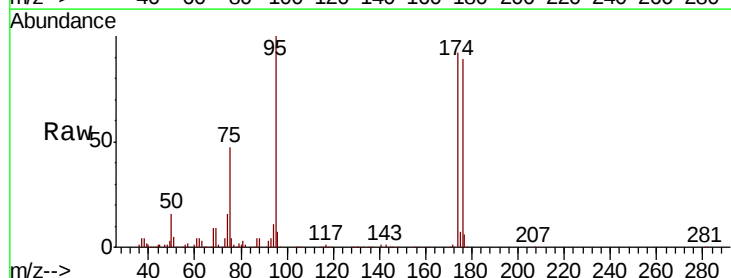
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

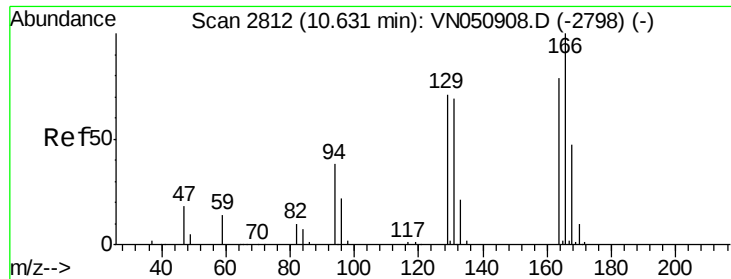
Tot Ion	43	Resp	356237
Ion Ratio	Lower	Upper	
43	100		
58	55.2	45.5	68.3
57	18.8	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 29.42 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	95	Resp	231746
Ion Ratio	Lower	Upper	
95	100		
174	92.8	74.6	112.0
176	88.5	71.5	107.3





#61

Tetrachloroethene

Concen: 19.97 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

Tot Ion:164 Resp: 131791

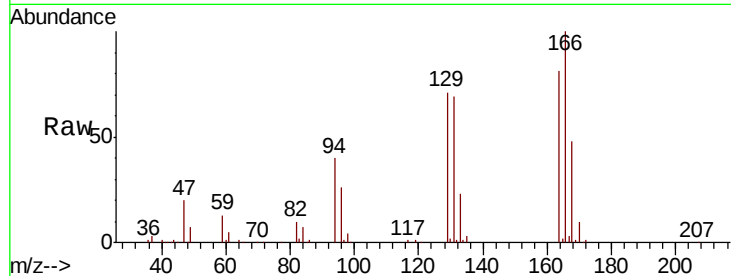
Ion Ratio Lower Upper

164 100

166 123.2 100.6 151.0

129 87.2 71.0 106.6

131 84.5 69.3 103.9

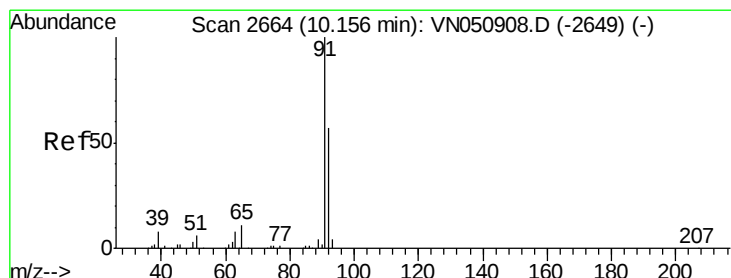
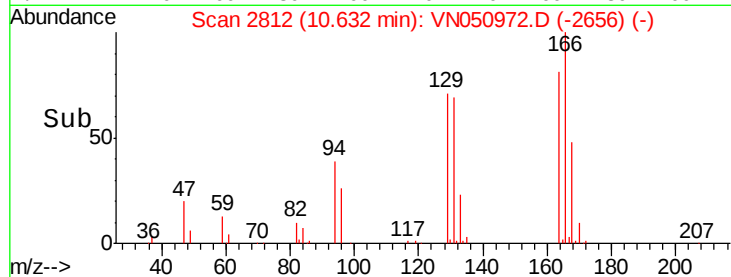
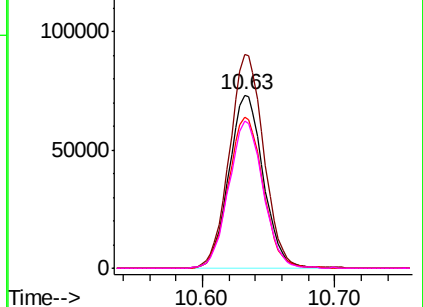


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.68 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050972.D

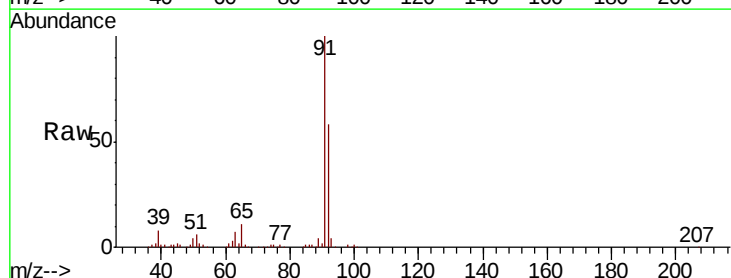
Acq: 30 Aug 2018 19:34

Tgt Ion: 91 Resp: 581533

Ion Ratio Lower Upper

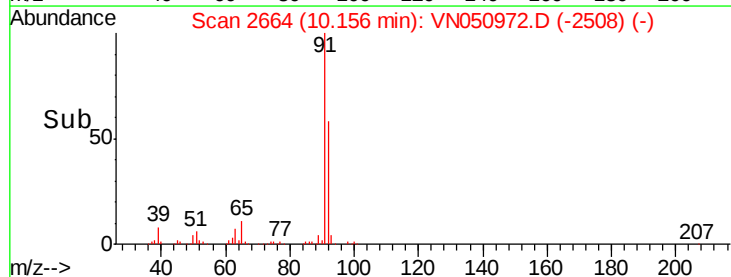
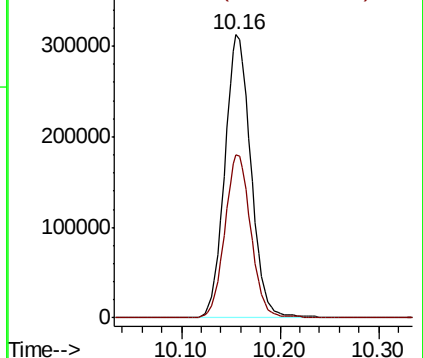
91 100

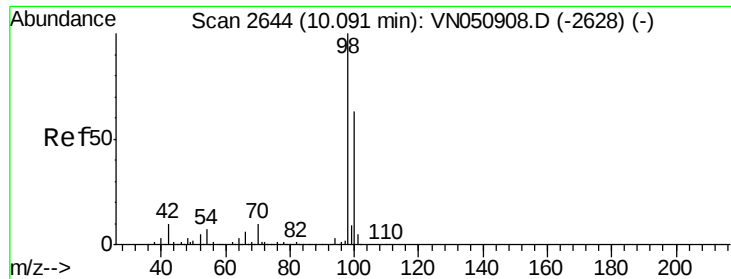
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

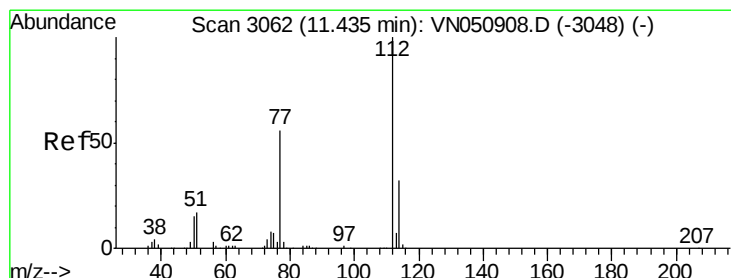
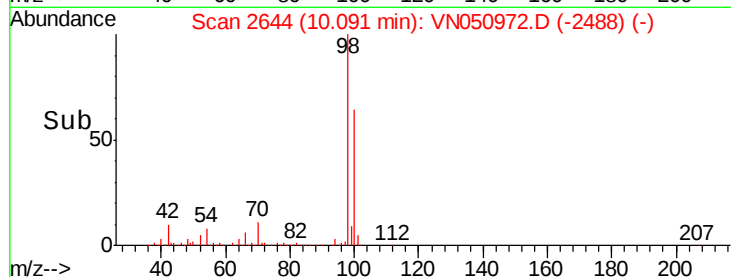
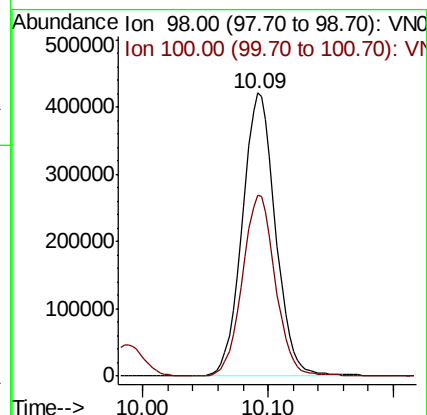
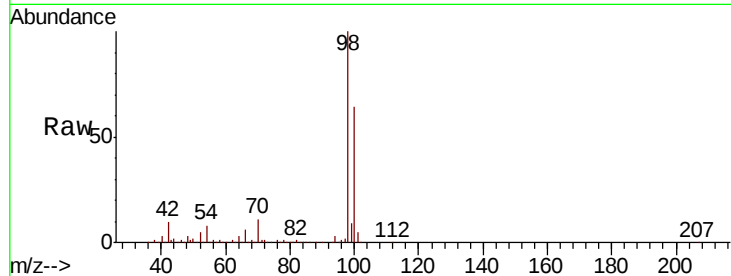
VN0830WBS02

Tot Ion: 98 Resp: 773352

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



#64

Chlorobenzene

Concen: 18.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050972.D

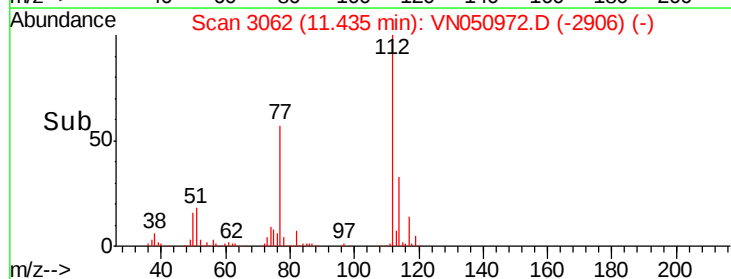
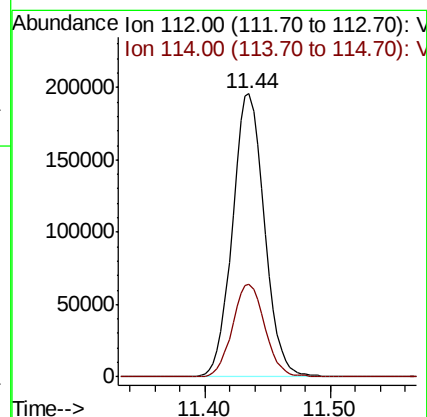
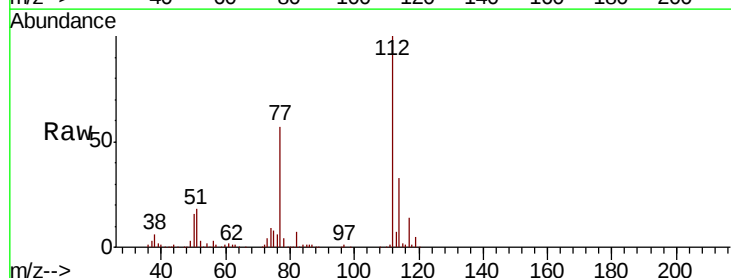
Acq: 30 Aug 2018 19:34

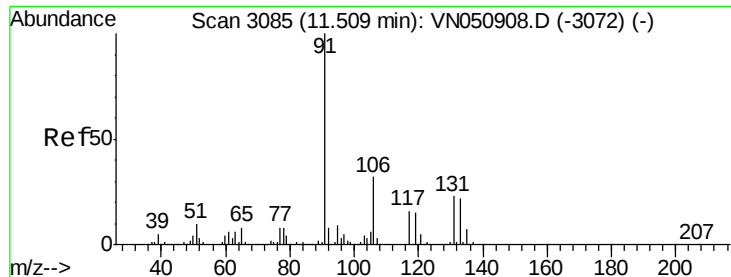
Tgt Ion: 112 Resp: 346600

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.02 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

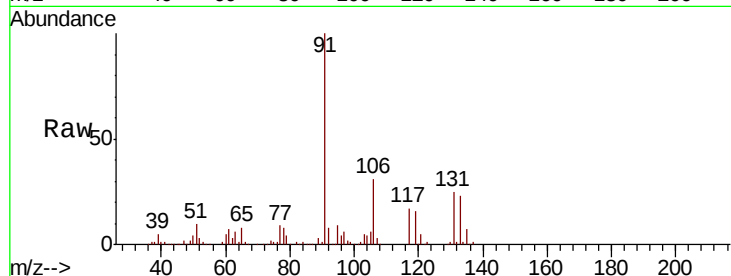
Tot Ion:131 Resp: 138443

Ion Ratio Lower Upper

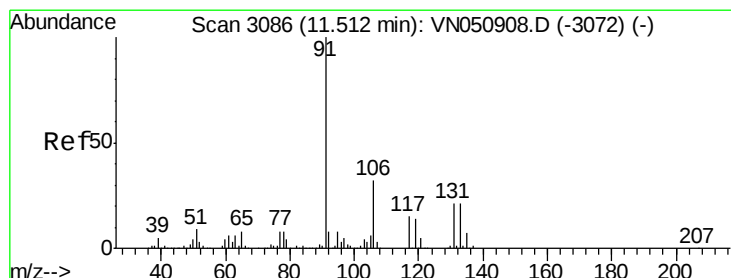
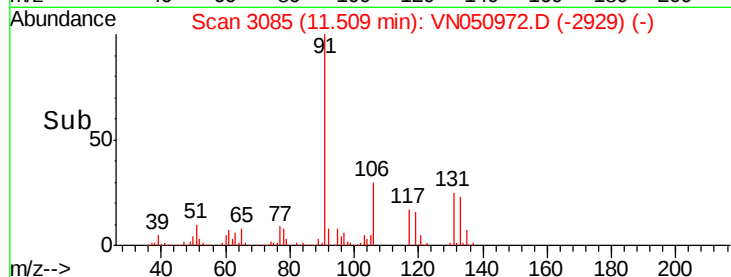
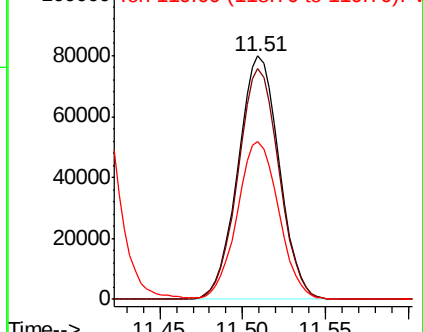
131 100

133 94.5 0.0 189.4

119 65.4 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.38 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050972.D

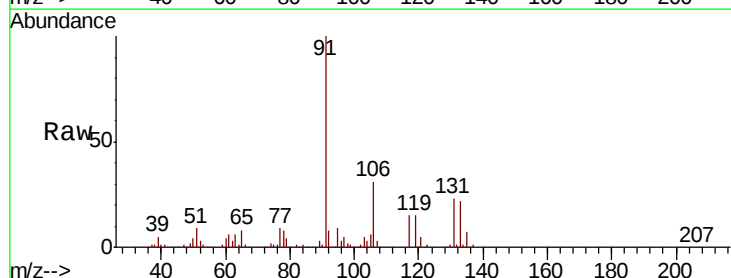
Acq: 30 Aug 2018 19:34

Tgt Ion: 91 Resp: 562759

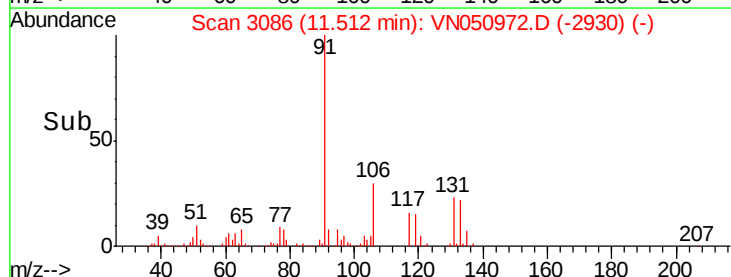
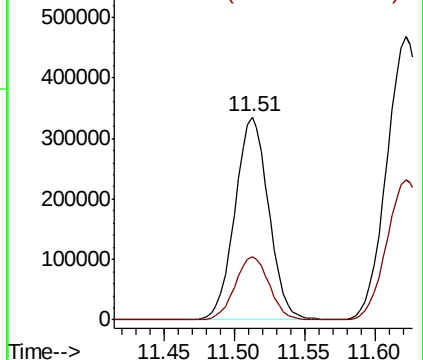
Ion Ratio Lower Upper

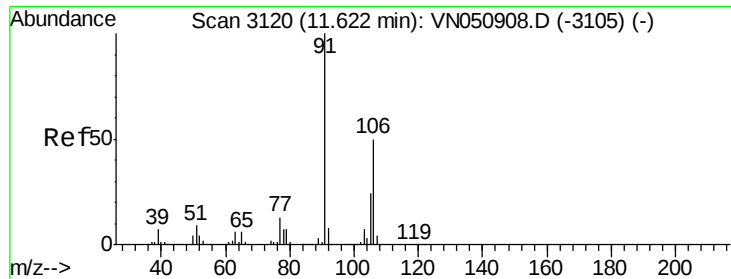
91 100

106 31.1 25.7 38.5



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

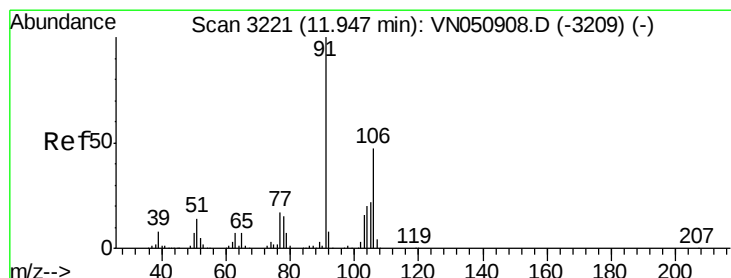
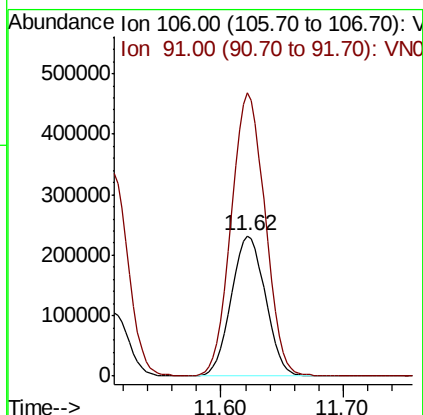
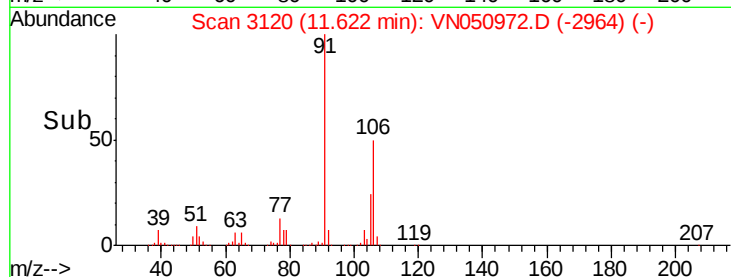
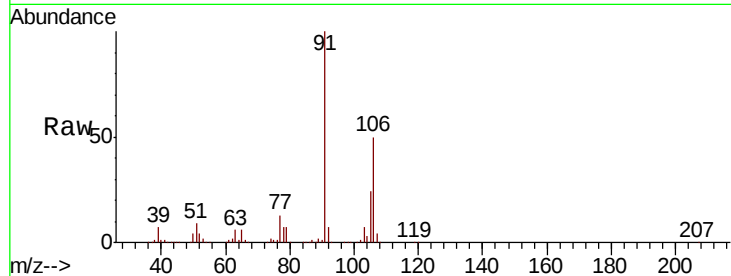




#67
m/p-Xylenes
Concen: 38.32 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

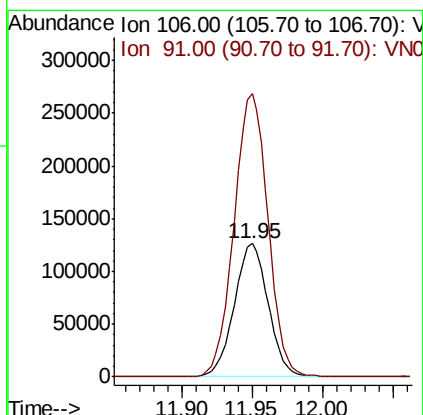
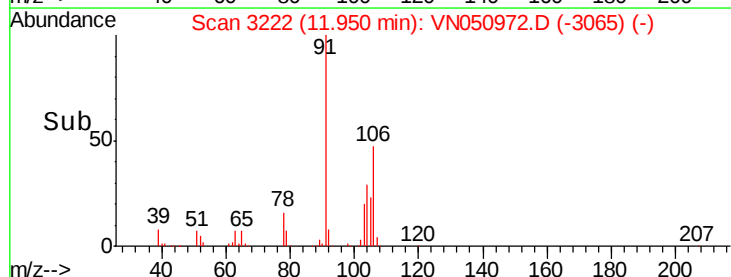
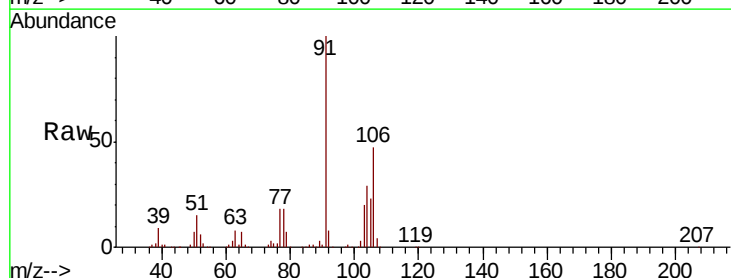
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

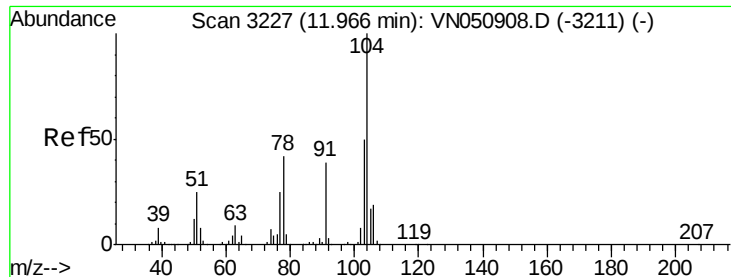
Tot Ion:106 Resp: 451302
Ion Ratio Lower Upper
106 100
91 199.9 160.6 241.0



#68
o-Xylene
Concen: 18.91 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion:106 Resp: 212847
Ion Ratio Lower Upper
106 100
91 212.6 106.4 319.2

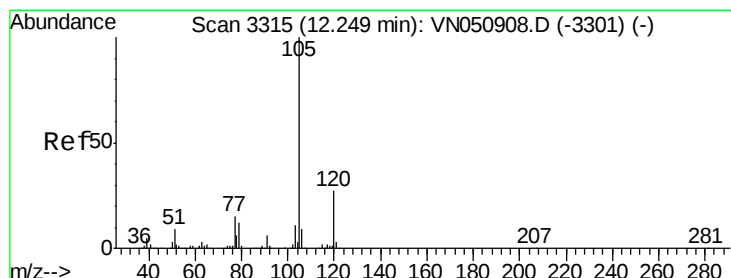
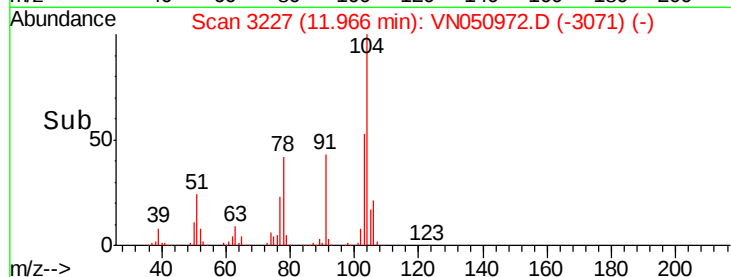
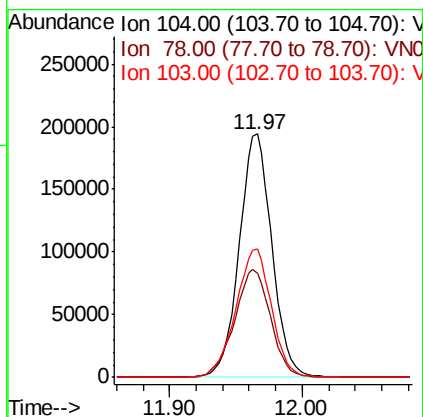
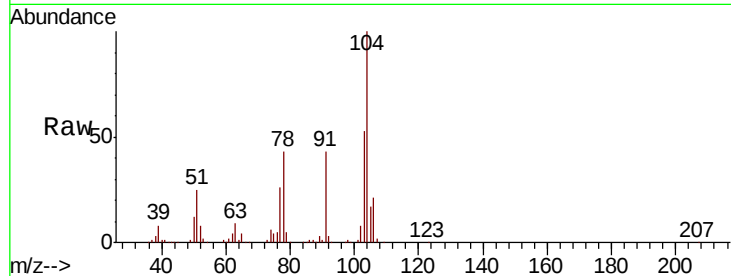




#69
Stvrene
Concen: 18.57 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

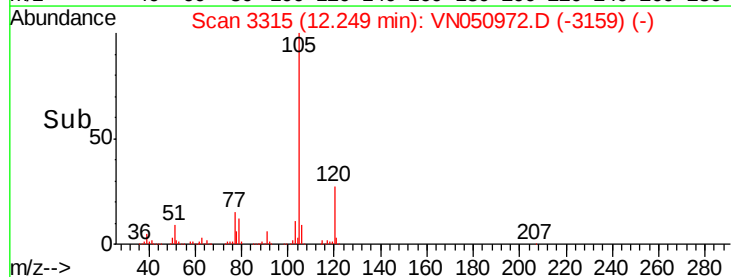
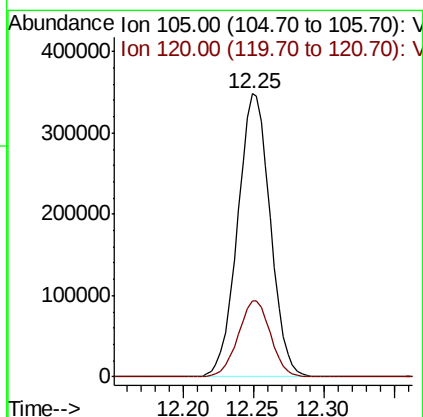
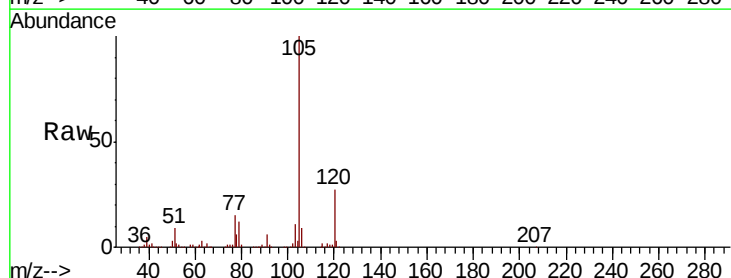
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

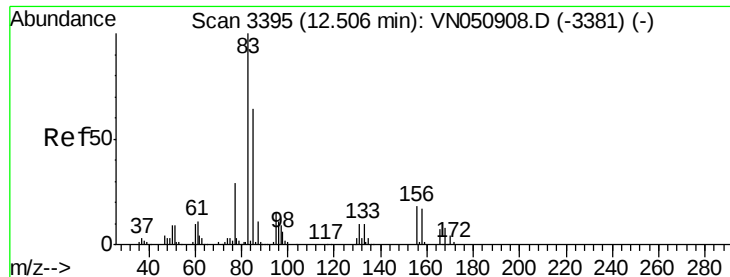
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.6	58.0
103	57.6	45.4	68.2



#70
Isopropylbenzene
Concen: 18.89 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6

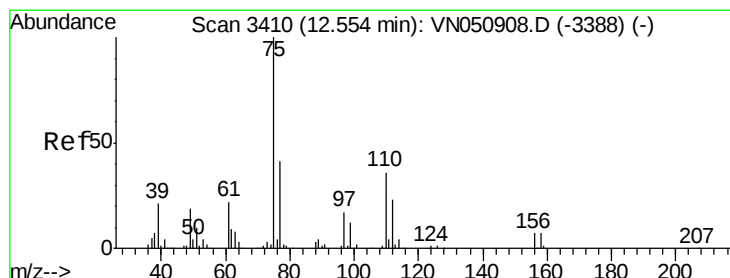
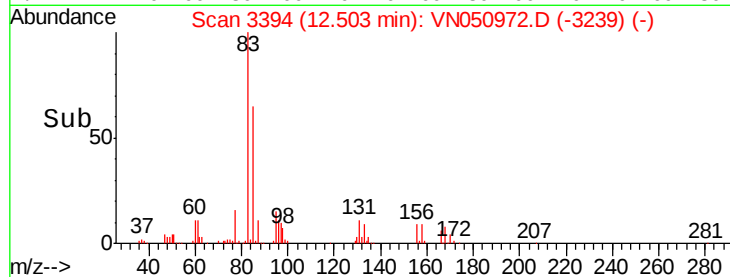
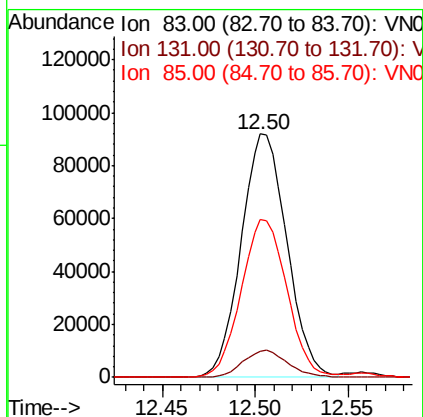
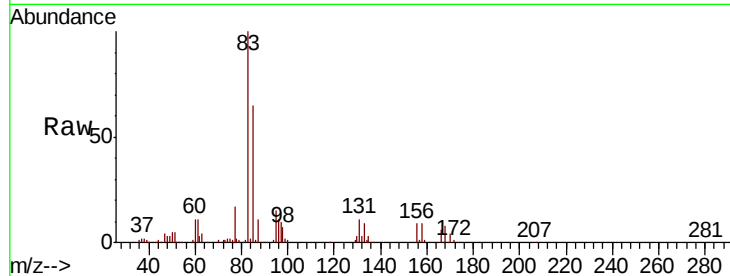




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.46 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

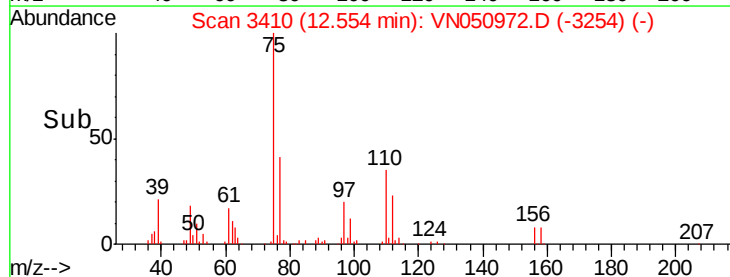
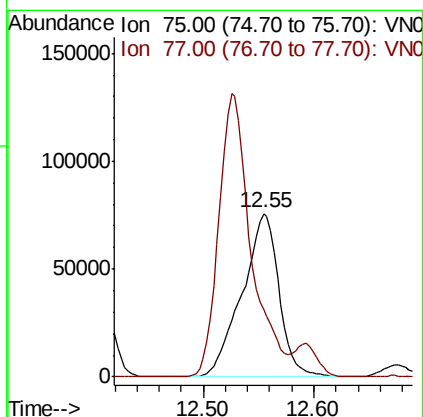
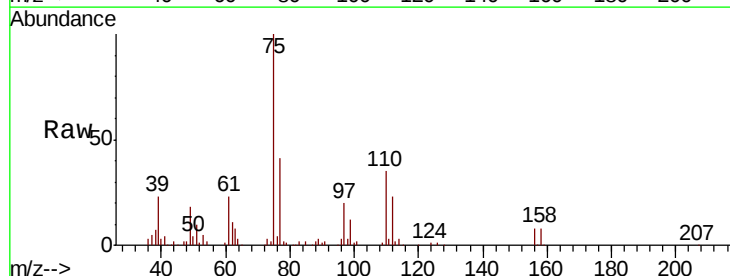
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

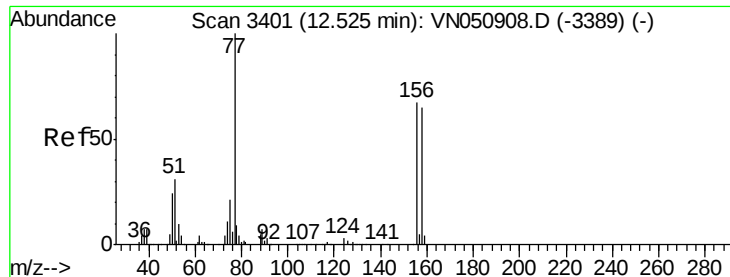
Tot Ion: 83 Resp: 157551
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.9
 85 64.8 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 25.19 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 75 Resp: 175986
 Ion Ratio Lower Upper
 75 100
 77 151.2 0.0 301.6





#73

Bromobenzene

Concen: 18.79 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

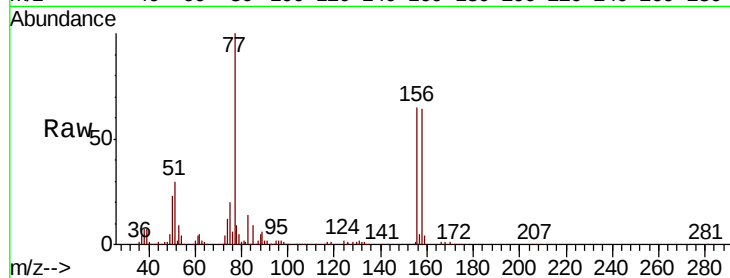
Tot Ion:156 Resp: 147825

Ion Ratio Lower Upper

156 100

77 180.0 0.0 359.4

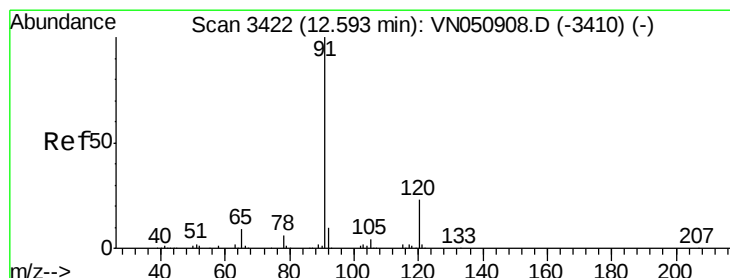
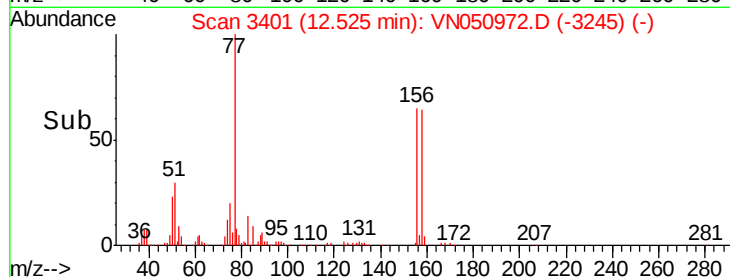
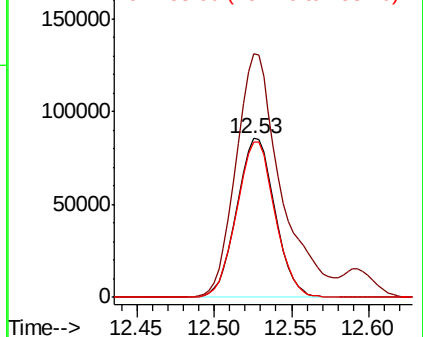
158 97.9 0.0 194.6



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



#74

n-propylbenzene

Concen: 18.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050972.D

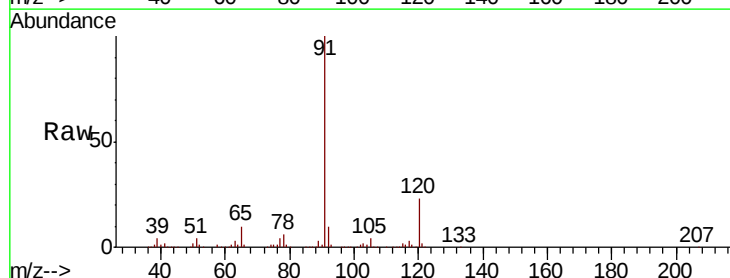
Acq: 30 Aug 2018 19:34

Tgt Ion: 91 Resp: 622309

Ion Ratio Lower Upper

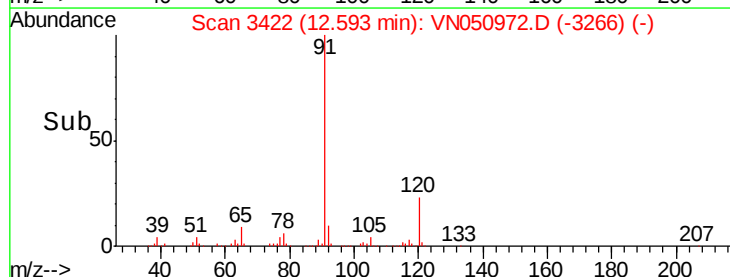
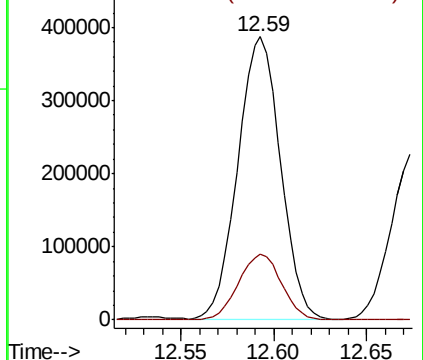
91 100

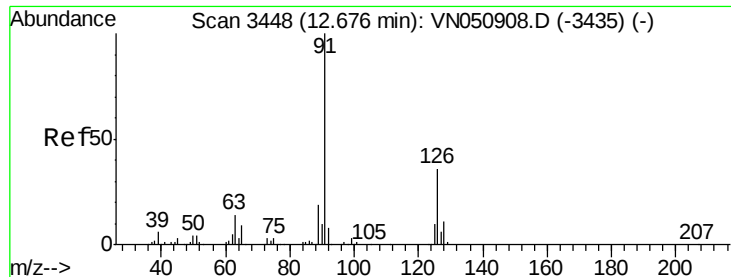
120 23.3 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

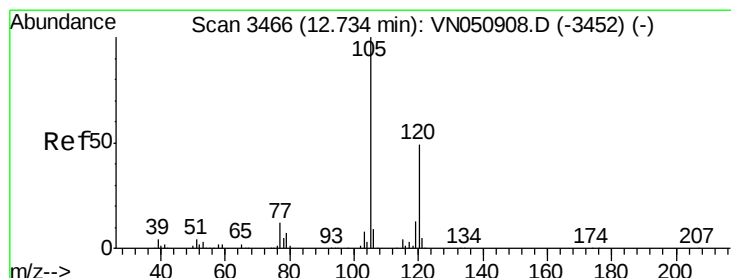
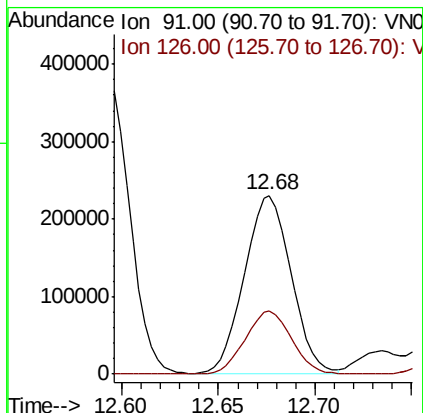
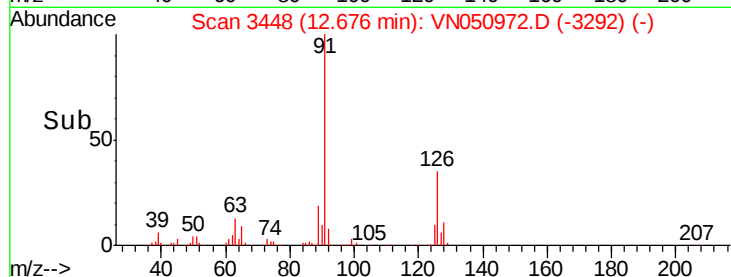
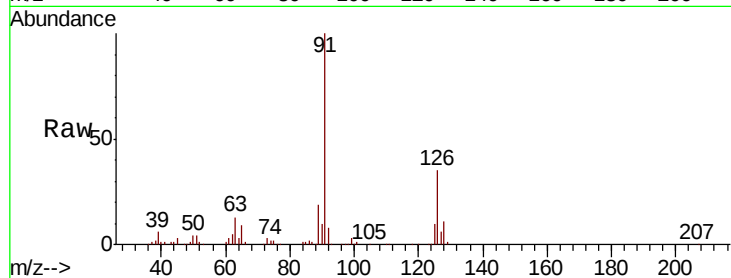
VN0830WBS02

Tot Ion: 91 Resp: 390697

Ion Ratio Lower Upper

91 100

126 34.9 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 19.00 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050972.D

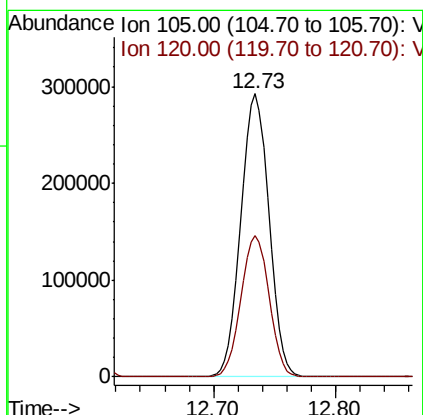
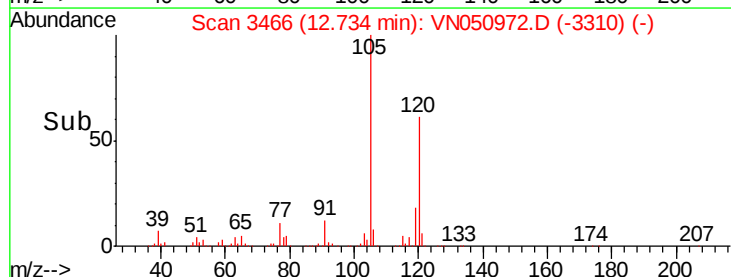
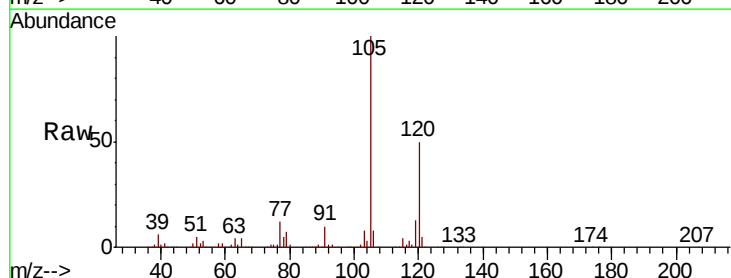
Acq: 30 Aug 2018 19:34

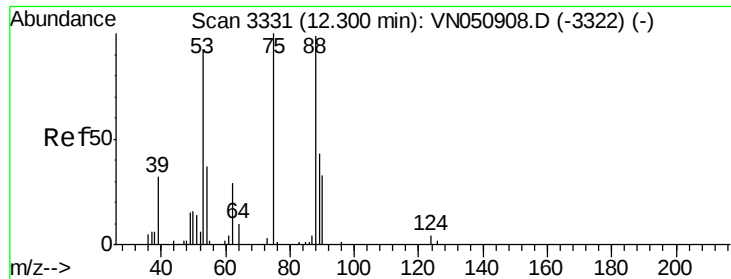
Tgt Ion: 105 Resp: 464388

Ion Ratio Lower Upper

105 100

120 49.9 0.0 99.6

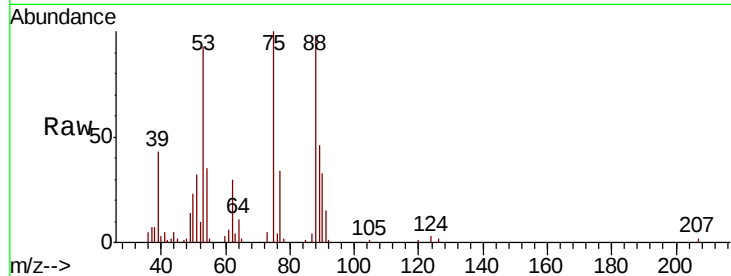




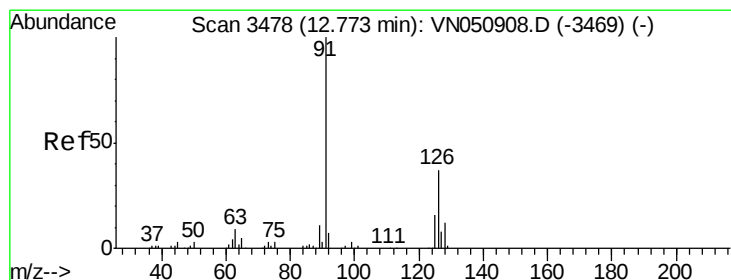
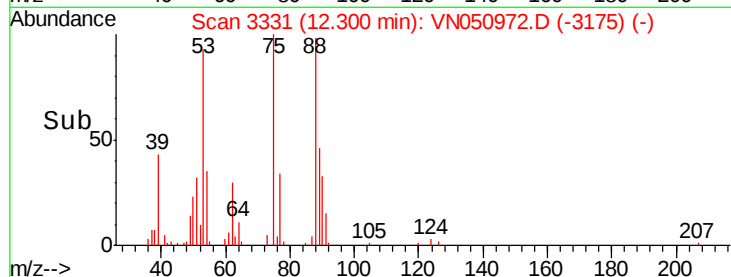
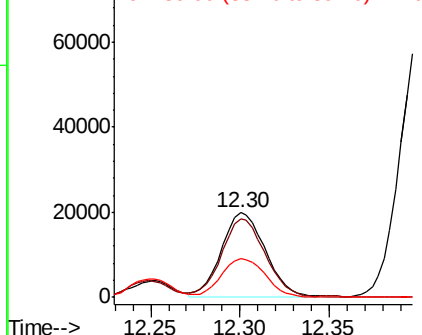
#77
t-1,4-Dichloro-2-butene
Concen: 17.34 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion: 75 Resp: 34508
Ion Ratio Lower Upper
75 100
53 91.8 45.5 136.4
89 45.5 21.9 65.8

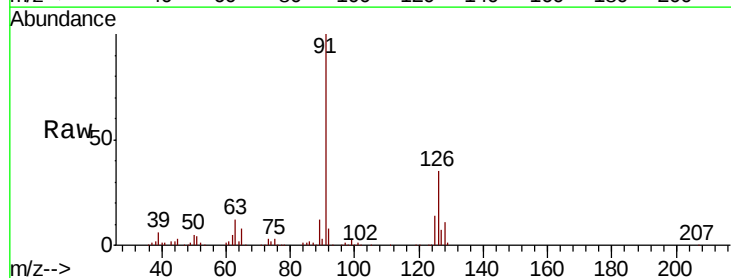


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

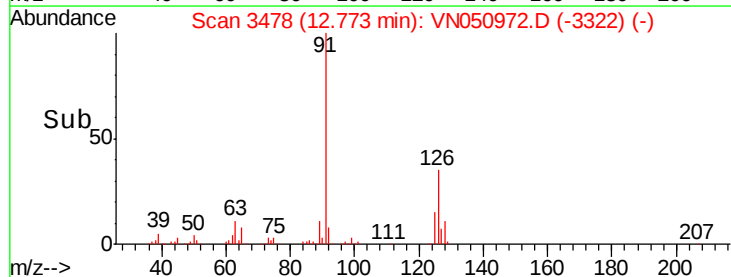
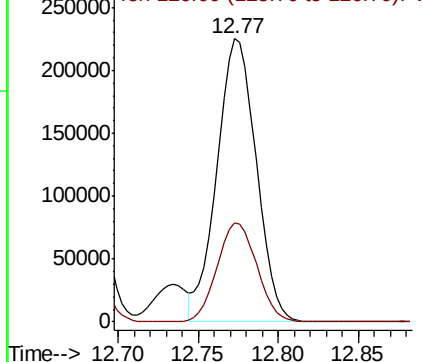


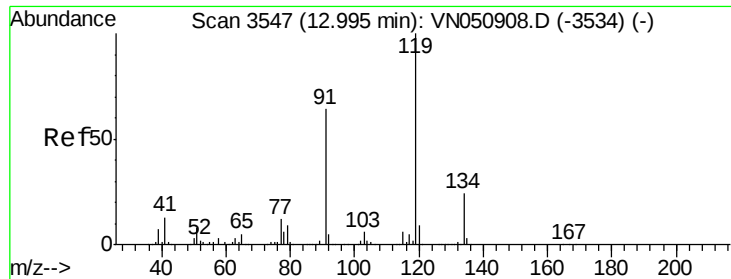
#78
4-Chlorotoluene
Concen: 18.80 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 91 Resp: 380313
Ion Ratio Lower Upper
91 100
126 35.3 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

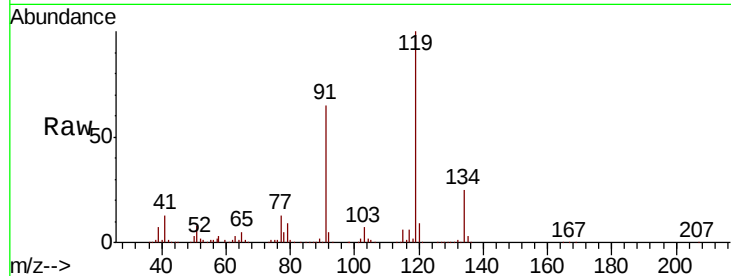




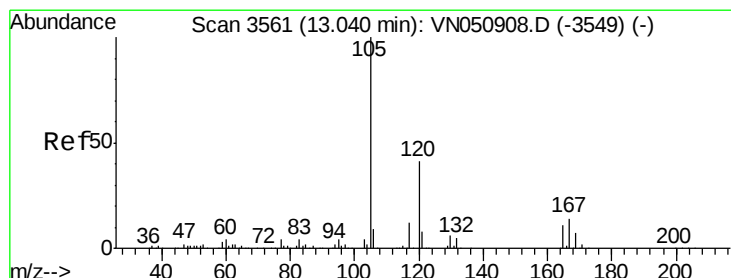
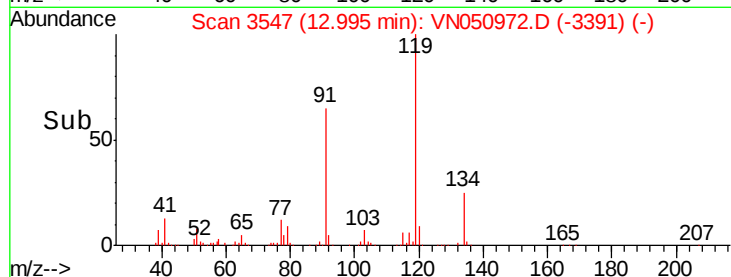
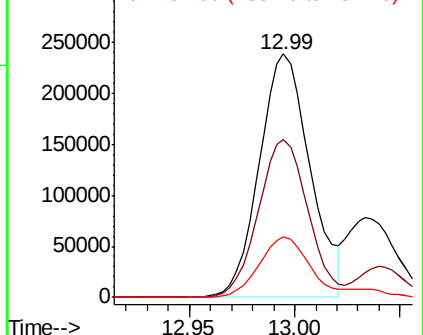
#79
tert-butylbenzene
Concen: 18.87 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion:119 Resp: 400414
Ion Ratio Lower Upper
119 100
91 63.4 0.0 125.6
134 24.6 0.0 48.4

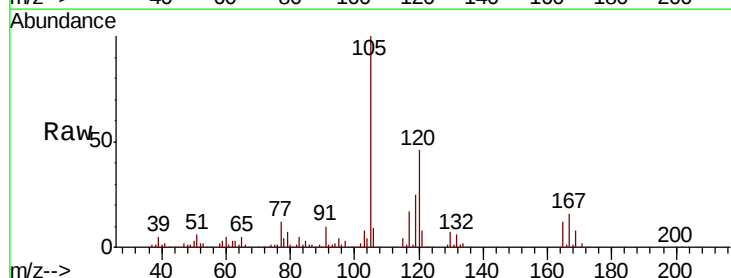


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

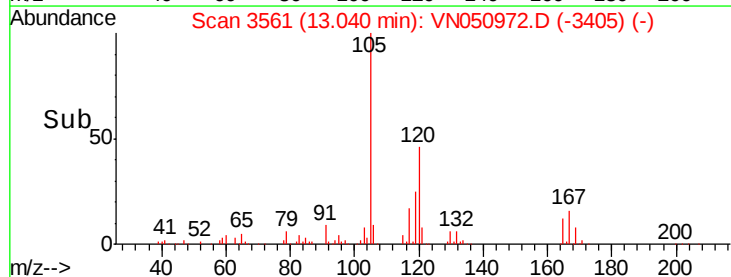
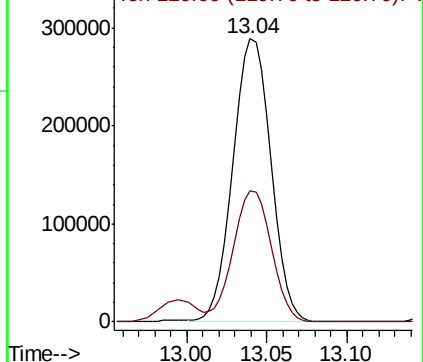


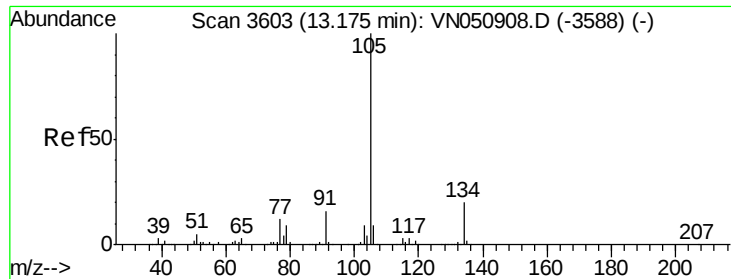
#80
1,2,4-Trimethylbenzene
Concen: 19.22 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion:105 Resp: 468344
Ion Ratio Lower Upper
105 100
120 46.7 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

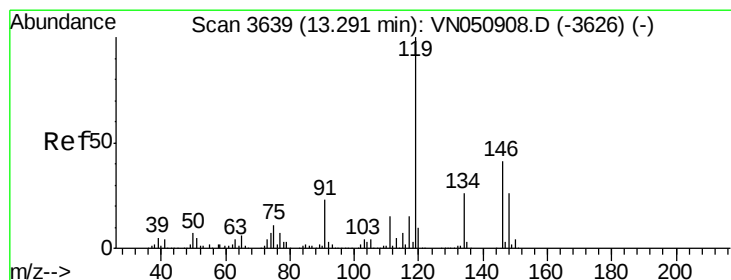
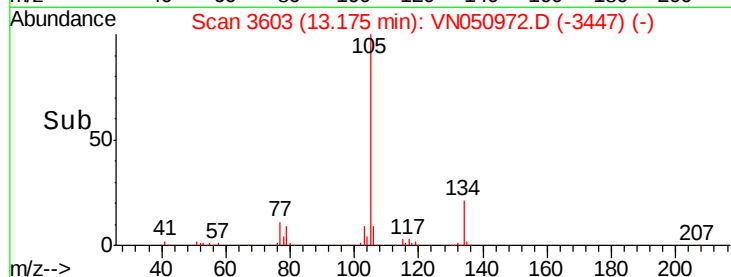
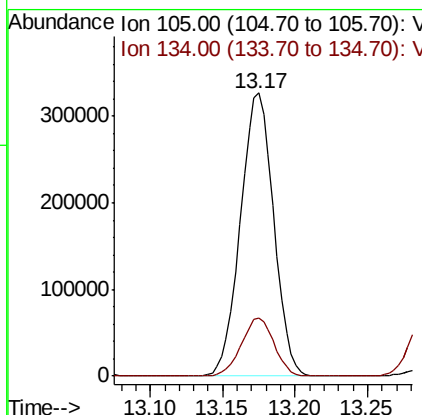
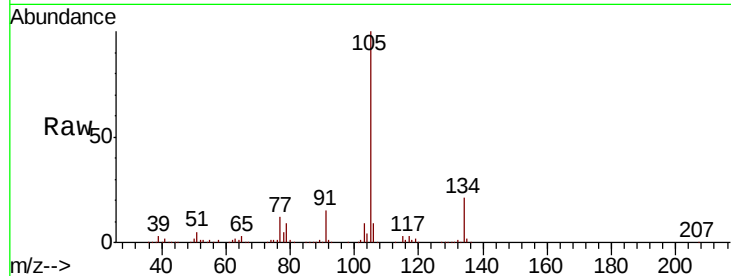




#81
 sec-Butylbenzene
 Concen: 18.74 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

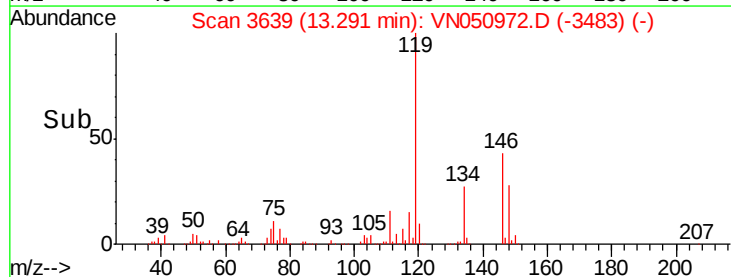
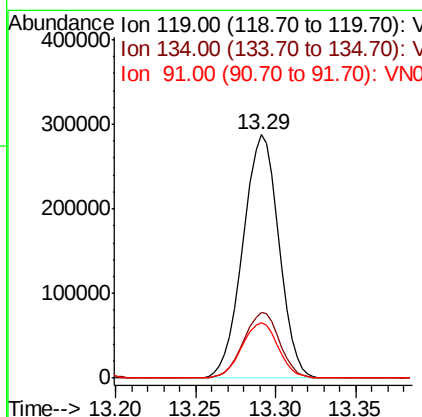
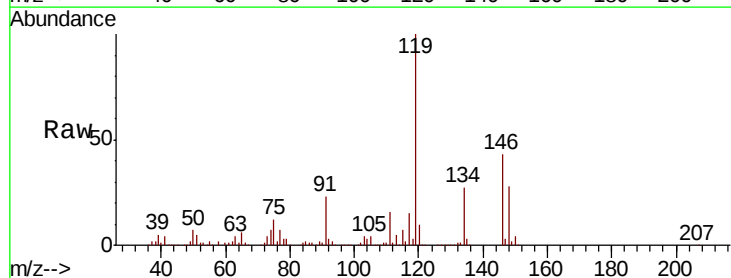
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

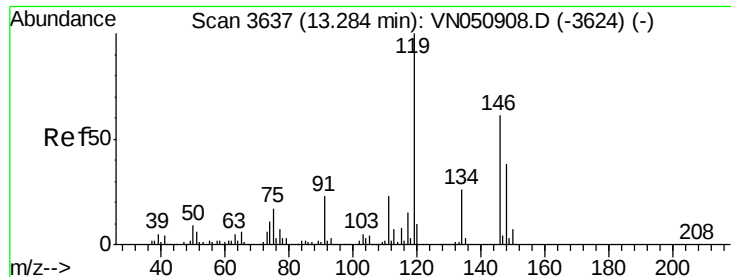
Tot Ion:105 Resp: 520329
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 18.40 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion:119 Resp: 440947
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.2
 91 22.8 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 18.36 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

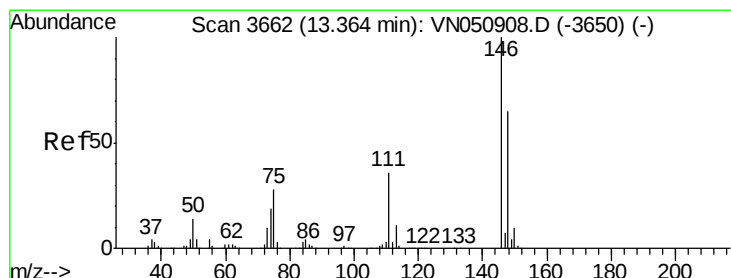
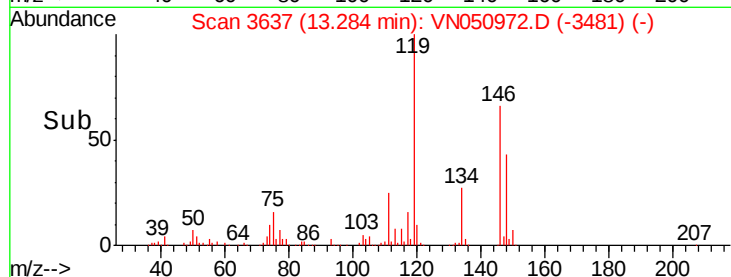
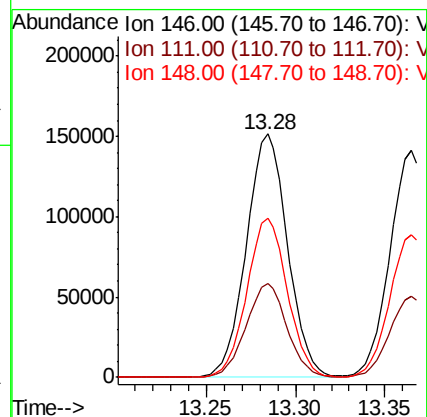
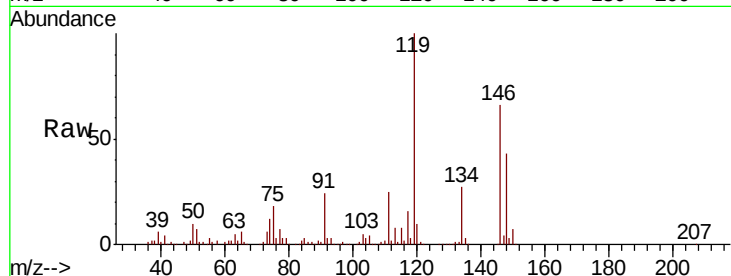
Tot Ion:146 Resp: 244250

Ion Ratio Lower Upper

146 100

111 38.2 18.6 55.6

148 64.4 31.8 95.3



#84

1,4-Dichlorobenzene

Concen: 18.27 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

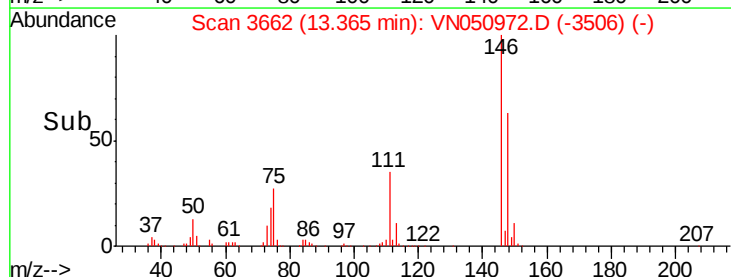
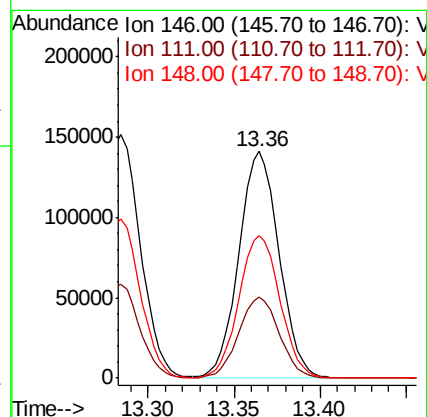
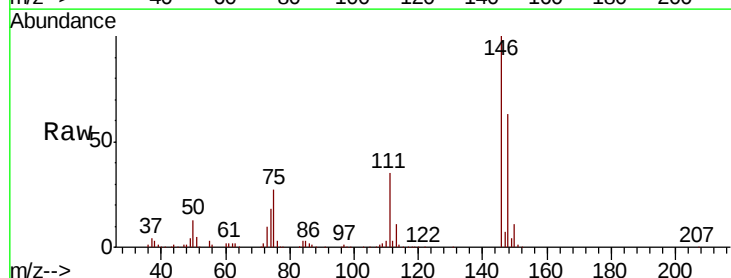
Tgt Ion:146 Resp: 230271

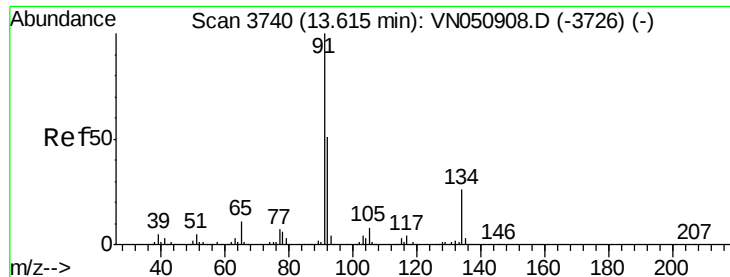
Ion Ratio Lower Upper

146 100

111 36.0 17.7 53.1

148 64.1 31.6 94.8

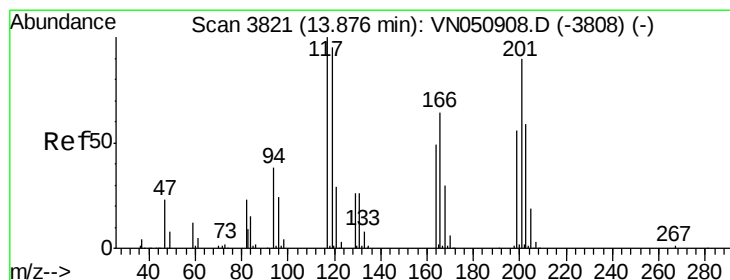
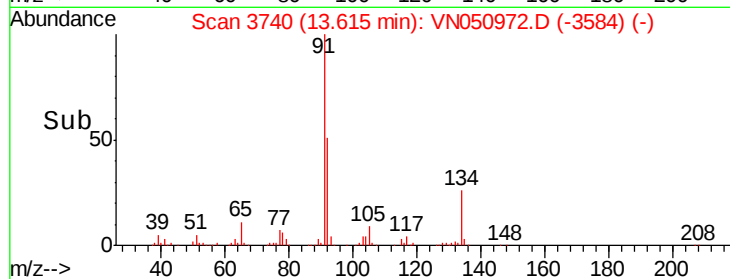
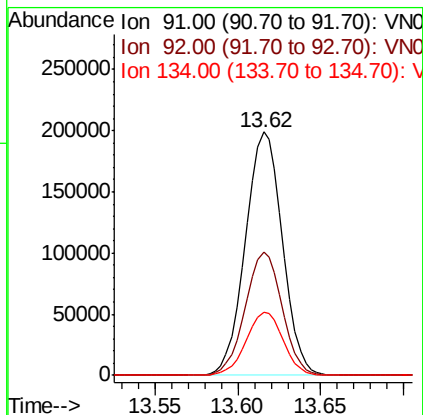
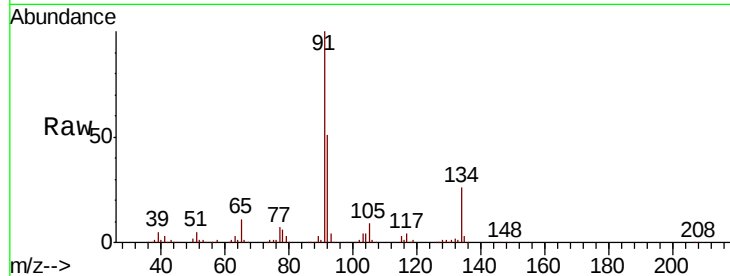




#85
n-Butylbenzene
Concen: 16.91 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

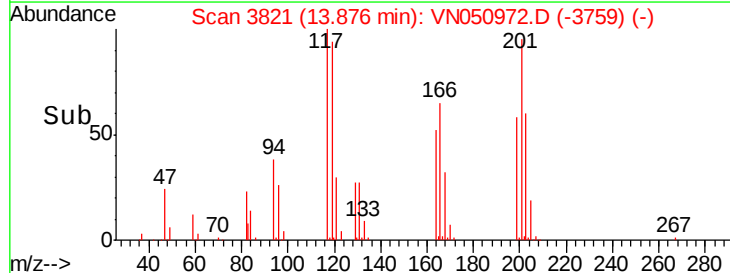
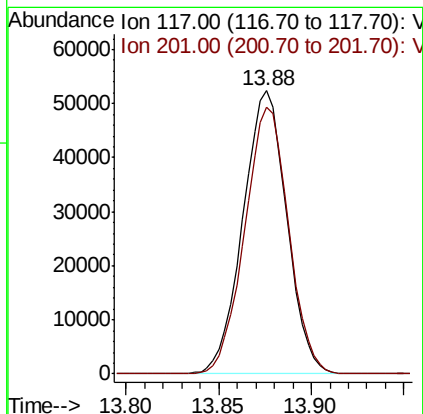
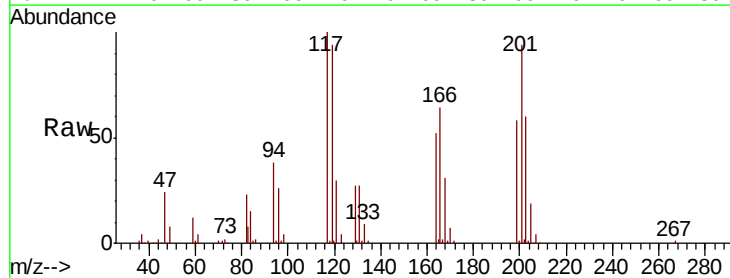
Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

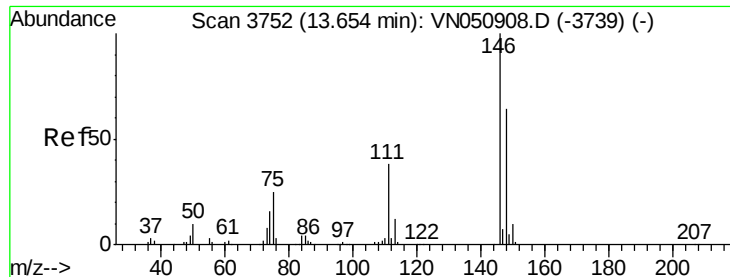
Tot Ion: 91 Resp: 309338
Ion Ratio Lower Upper
91 100
92 50.3 0.0 101.8
134 25.8 0.0 52.2



#86
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 117 Resp: 85896
Ion Ratio Lower Upper
117 100
201 94.1 45.8 137.4

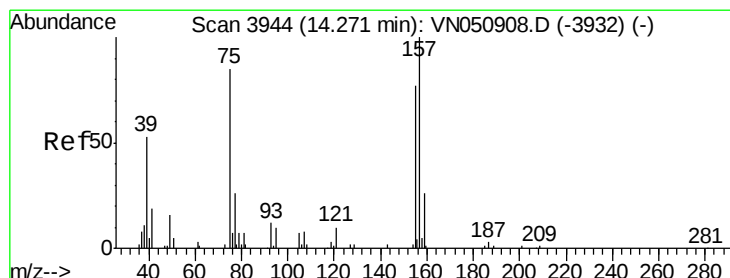
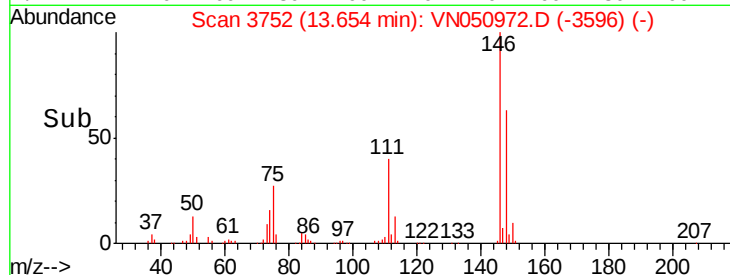
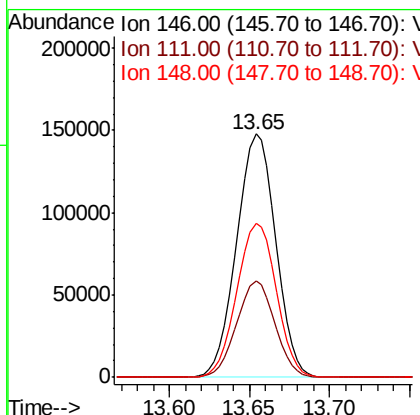
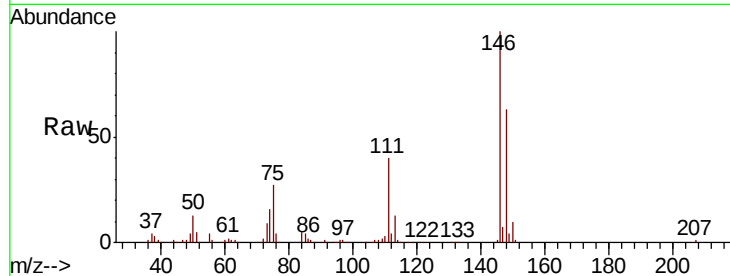




#87
 1,2-Dichlorobenzene
 Concen: 18.83 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

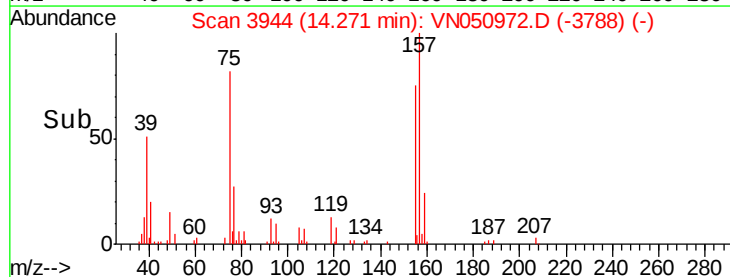
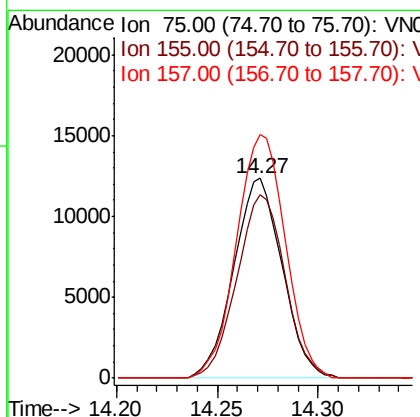
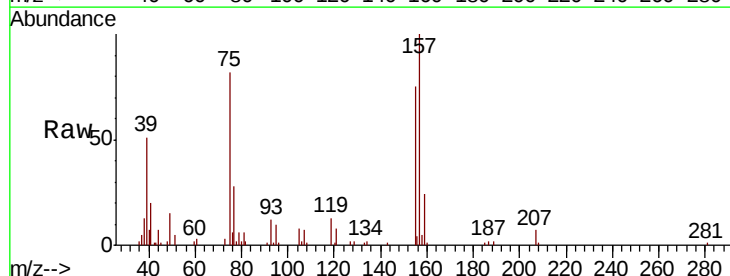
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

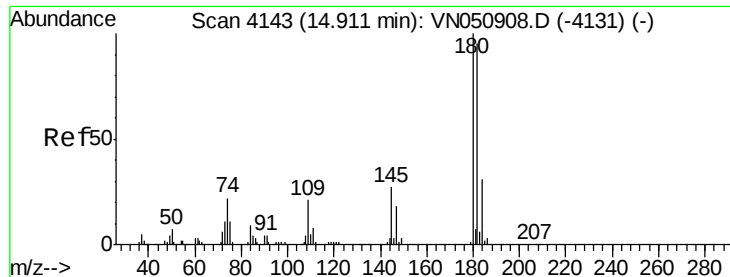
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.8	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.36 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	71.8	107.6
157	122.9	91.1	136.7

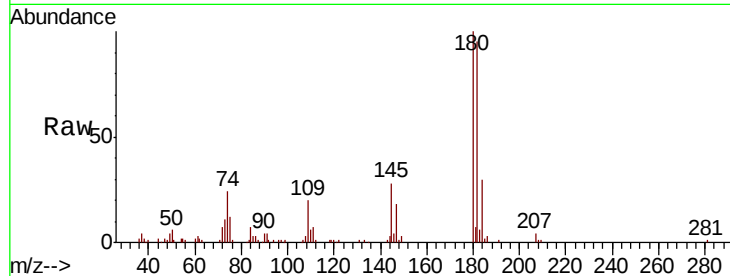




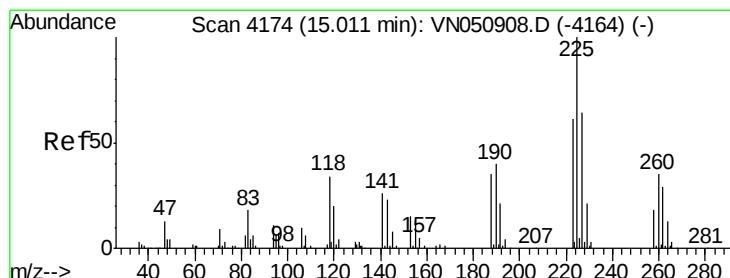
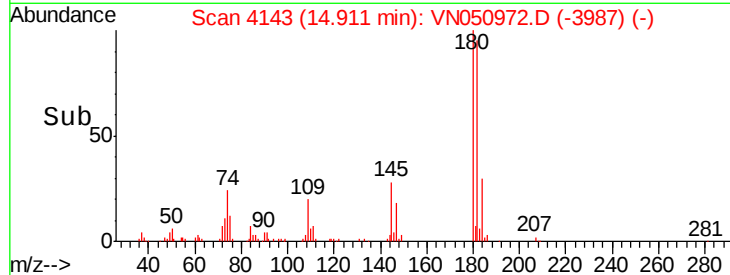
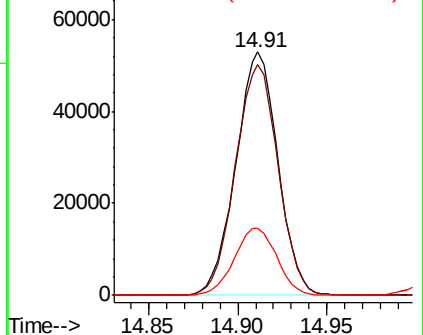
#89
 1,2,4-Trichlorobenzene
 Concen: 14.91 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion:180 Resp: 86900
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.4
 145 27.7 22.2 33.4

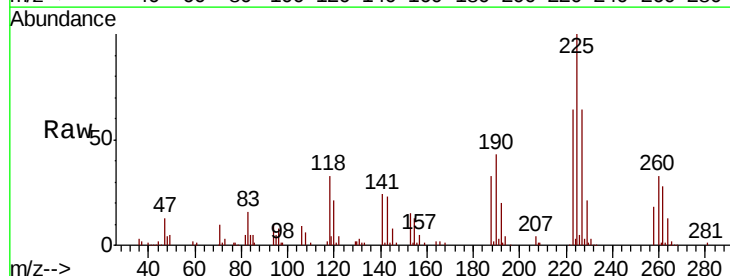


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

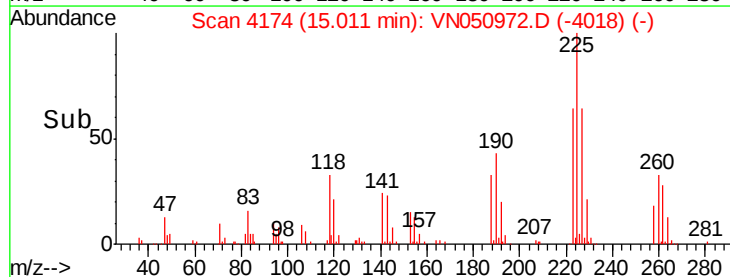
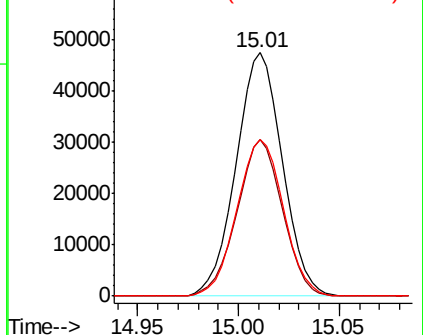


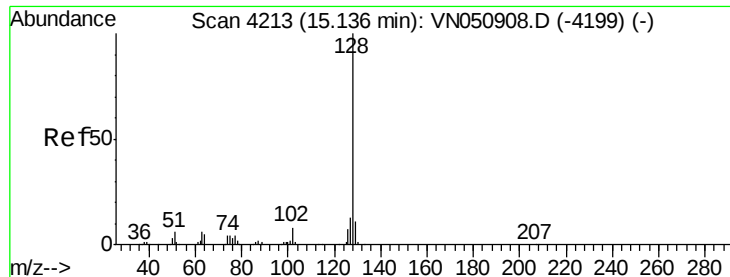
#90
 Hexachlorobutadiene
 Concen: 19.33 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion:225 Resp: 76550
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 127.8
 227 64.6 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

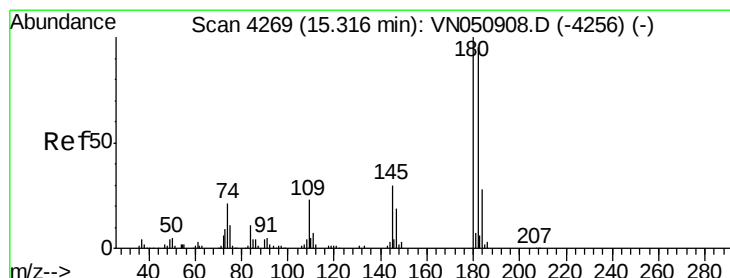
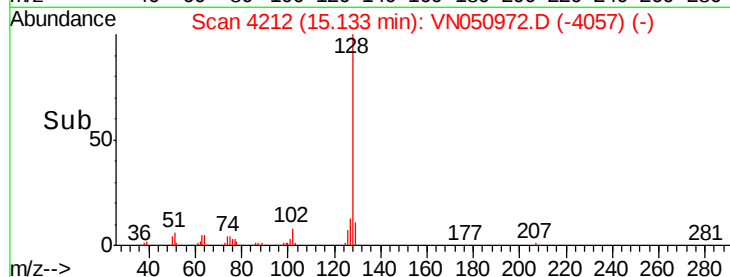
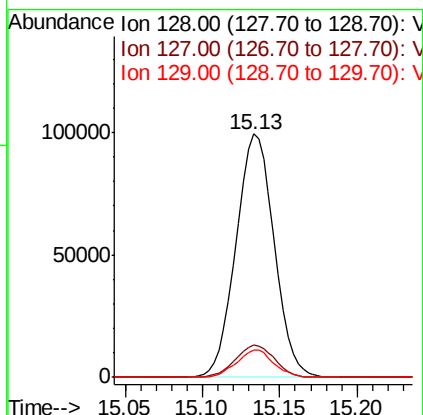
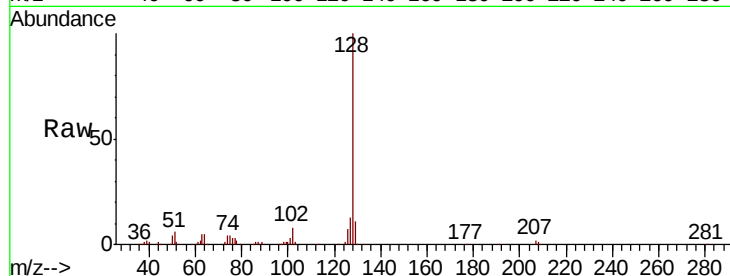




#91
Naphthalene
Concen: 17.95 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion:128 Resp: 170810
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.0 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 16.44 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion:180 Resp: 96185
Ion Ratio Lower Upper
180 100
182 98.3 0.0 192.8
145 29.9 0.0 60.0

