

Data File : VN051908.D
Acq On : 18 Oct 2018 11:19
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Quant Time: Oct 19 06:40:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	125144	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	711900	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	615780	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	228667	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	248746	28.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.37%
63) Toluene-d8	10.09	98	827223	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	102403	21.062	ug/l 99
3) Chloromethane	2.06	50	95551	18.596	ug/l 98
4) Vinyl Chloride	2.18	62	143687	18.725	ug/l 99
5) Bromomethane	2.57	94	127878	18.861	ug/l 87
6) Chloroethane	2.70	64	106586	19.274	ug/l 96
7) Trichlorofluoromethane	3.01	101	231608	21.171	ug/l 96
8) Diethyl Ether	3.41	74	61861	19.424	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	133315	21.398	ug/l # 38
10) 1,1-Dichloroethene	3.74	96	115394	20.028	ug/l 82
11) Methyl Iodide	3.95	142	139382	16.641	ug/l 93
12) Methyl Acetate	4.33	43	71720	20.045	ug/l # 87
13) Acrolein	3.61	56	9899	41.993	ug/l # 49
14) Acrylonitrile	4.99	53	145001	90.678	ug/l # 57
15) Acetone	3.82	58	42836	108.365	ug/l 93
16) Carbon Disulfide	4.05	76	267596	17.684	ug/l 98
17) Allyl chloride	4.32	41	125329	18.322	ug/l 72
18) Methylene Chloride	4.55	84	127399	19.776	ug/l # 88
19) trans-1,2-Dichloroethene	5.05	96	128703	19.563	ug/l 83
20) Diisopropyl ether	5.95	45	281918	18.505	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	205122	19.269	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	151982	19.667	ug/l # 81
23) tert-Butyl Alcohol	4.79	59	38099	90.465	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	318712	19.199	ug/l 96
25) Chloroform	7.37	83	252329	19.980	ug/l 95
26) Cyclohexane	7.65	56	166950	18.499	ug/l # 67
29) 1,1-Dichloropropene	7.79	75	178261	19.426	ug/l 96
30) 2-Butanone	6.84	43	182465	95.134	ug/l # 86
31) 2,2-Dichloropropane	6.82	77	202065	18.718	ug/l # 76
32) 1,1,1-Trichloroethane	7.57	97	235231	19.335	ug/l 94
33) Carbon Tetrachloride	7.77	117	204959	18.621	ug/l 94
34) Benzene	8.04	78	518820	19.114	ug/l # 67
35) Methacrylonitrile	7.18	41	40622	16.120	ug/l 77
36) 1,2-Dichloroethane	8.12	62	166804	19.179	ug/l 98
37) Trichloroethene	8.84	130	162207	19.251	ug/l 91
38) Methylcyclohexane	9.08	83	216863	18.425	ug/l 77
39) 1,2-Dichloropropane	9.12	63	119949	18.764	ug/l 96
40) Dibromomethane	9.21	93	90097	18.990	ug/l 94

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QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	179044	18.271	ug/l	94
42) Vinyl Acetate	5.90	43	945708	87.590	ug/l #	90
43) Ethyl Acetate	6.94	43	74873	17.978	ug/l	97
44) Isopropyl Acetate	8.17	43	144550	17.377	ug/l	99
45) 1,4-Dioxane	9.20	88	25550	382.523	ug/l #	71
46) Methyl methacrylate	9.20	41	67301	17.540	ug/l	63
48) t-1,3-Dichloropropene	10.38	75	162227	16.976	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	187360	17.785	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	125910	19.208	ug/l	92
51) Ethyl methacrylate	10.43	69	133690	17.814	ug/l	81
52) 1,3-Dichloropropane	10.71	76	184770	18.263	ug/l	99
53) Dibromochloromethane	10.90	129	141278	17.422	ug/l	93
54) 1,2-Dibromoethane	11.00	107	121541	17.664	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	279967	87.265	ug/l #	91
56) Bromoform	12.13	173	85421	15.972	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	396145	96.134	ug/l #	86
59) 2-Hexanone	10.75	43	260595	93.738	ug/l	91
61) Tetrachloroethene	10.63	164	163725	20.791	ug/l	98
62) Toluene	10.16	91	598940	19.579	ug/l	99
64) Chlorobenzene	11.43	112	384325	19.183	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	150830	19.614	ug/l	99
66) Ethyl Benzene	11.51	91	645290	19.086	ug/l	100
67) m/p-Xylenes	11.62	106	515569	37.614	ug/l	98
68) o-Xylene	11.95	106	252907	18.716	ug/l	91
69) Styrene	11.96	104	365104	17.610	ug/l	96
70) Isopropylbenzene	12.25	105	686376	19.048	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	133941	18.822	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	154932	27.675	ug/l	72
73) Bromobenzene	12.53	156	165486	18.541	ug/l	79
74) n-propylbenzene	12.59	91	717755	18.518	ug/l	95
75) 2-Chlorotoluene	12.67	91	429377	18.896	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	551723	18.515	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28059	15.155	ug/l	97
78) 4-Chlorotoluene	12.77	91	394052	17.650	ug/l	92
79) tert-butylbenzene	12.99	119	515285	18.804	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	543315	18.244	ug/l	98
81) sec-Butylbenzene	13.17	105	667598	18.623	ug/l	98
82) p-Isopropyltoluene	13.29	119	577459	18.002	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	265250	16.842	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	246716	16.640	ug/l	99
85) n-Butylbenzene	13.62	91	407329	16.839	ug/l	96
86) Hexachloroethane	13.87	117	93529	16.910	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	271158	17.784	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17636	16.595	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.91	180	89032	16.575	ug/l	99
90) Hexachlorobutadiene	15.01	225	94384	19.209	ug/l	95
91) Naphthalene	15.13	128	170818	16.725	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	100235	14.449	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
Quantitation Report (Not Reviewed)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

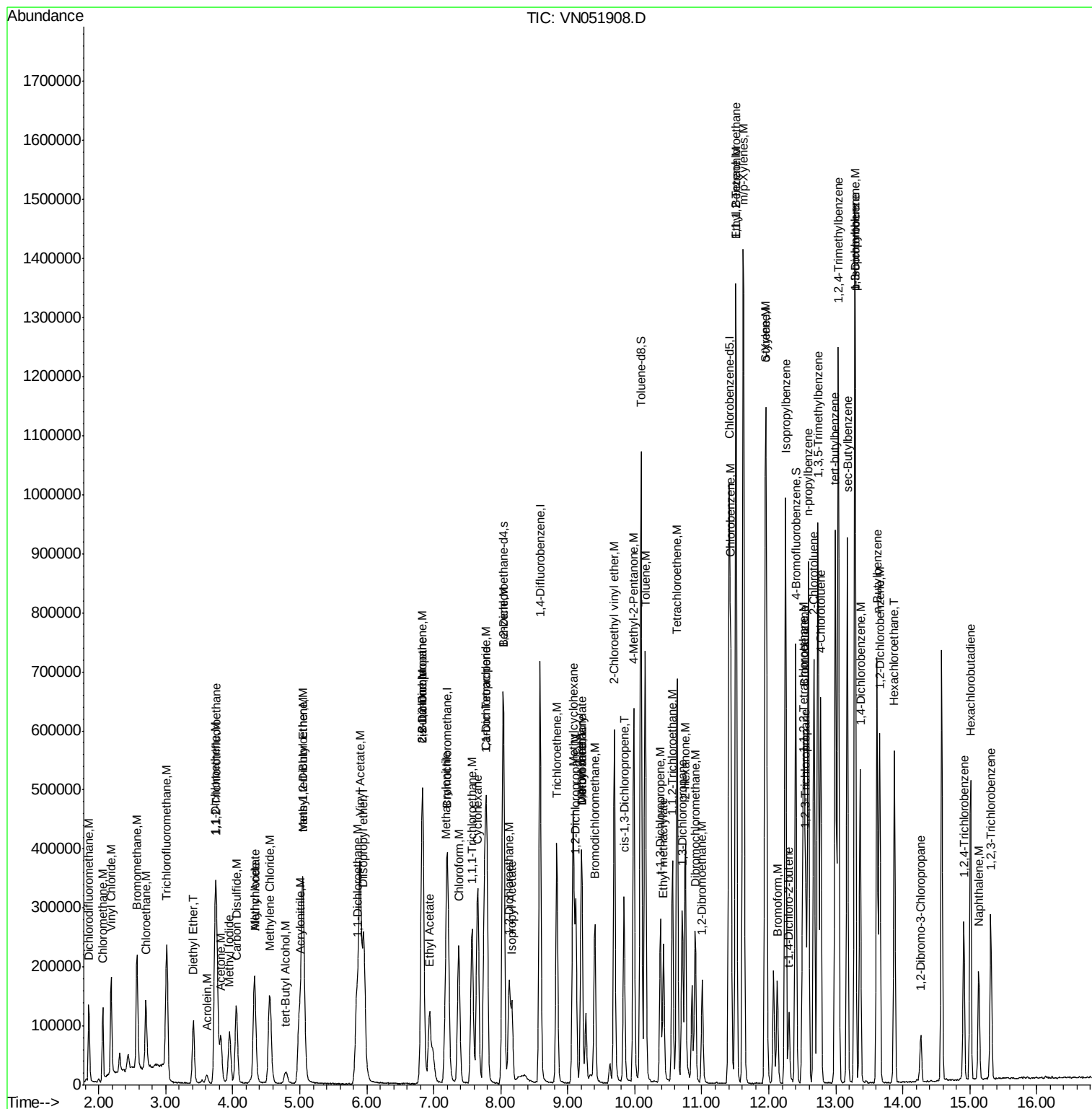
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

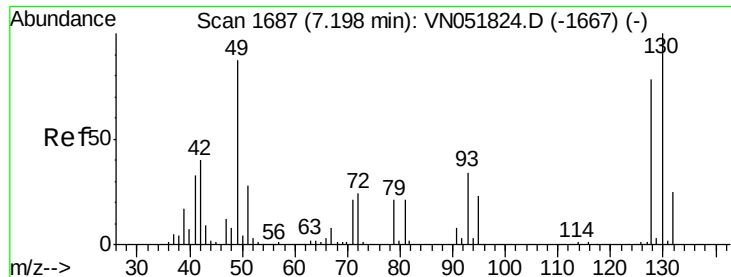
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data File : VN051908.D
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VSTDCCC020

Quant Time: Oct 19 06:40:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

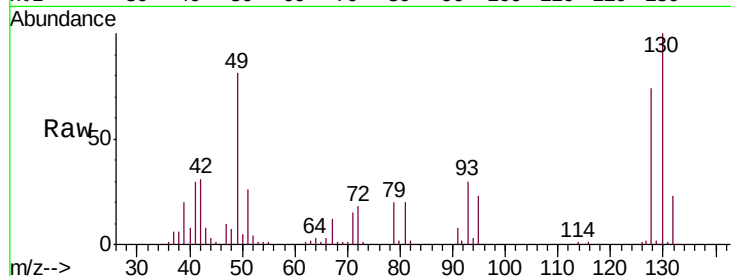
Tgt Ion:128 Resp: 125144

Ion Ratio Lower Upper

128 100

49 108.2 0.0 403.3

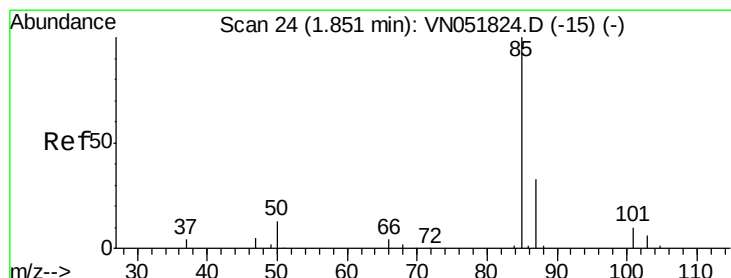
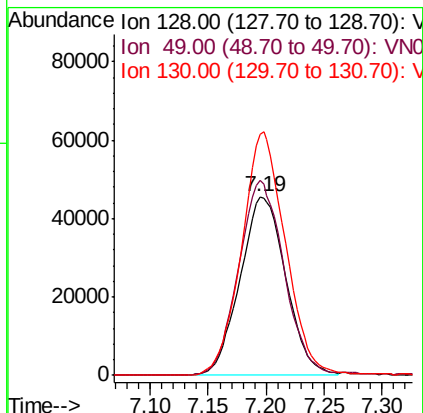
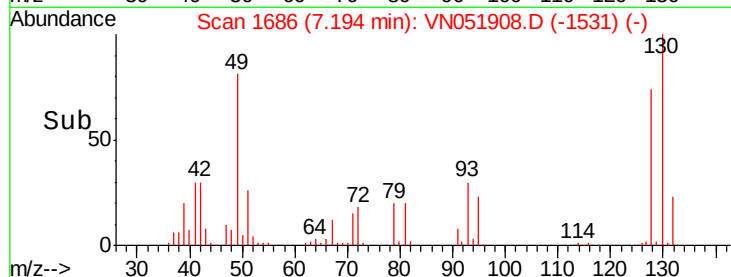
130 130.6 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.062 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051908.D

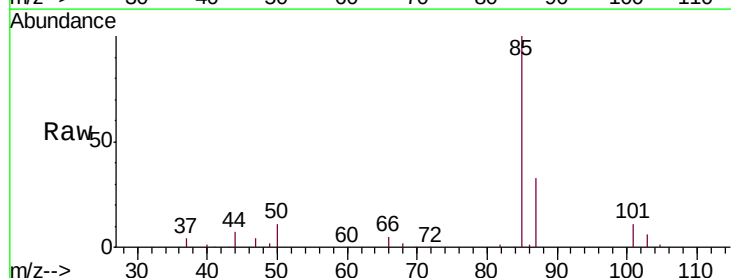
Acq: 18 Oct 2018 11:19

Tgt Ion: 85 Resp: 102403

Ion Ratio Lower Upper

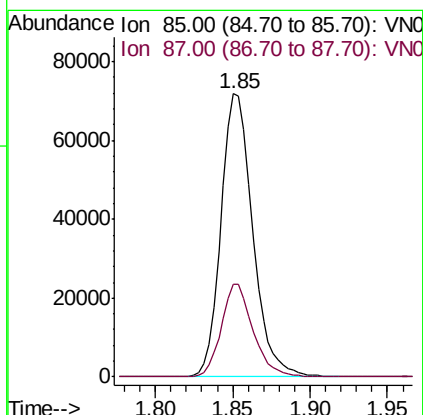
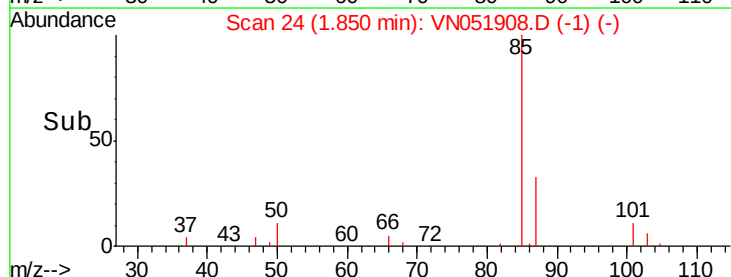
85 100

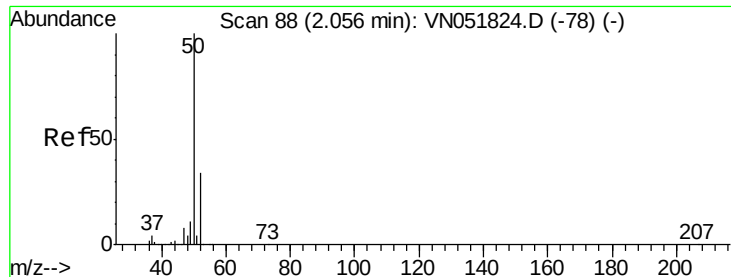
87 32.8 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 18.596 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

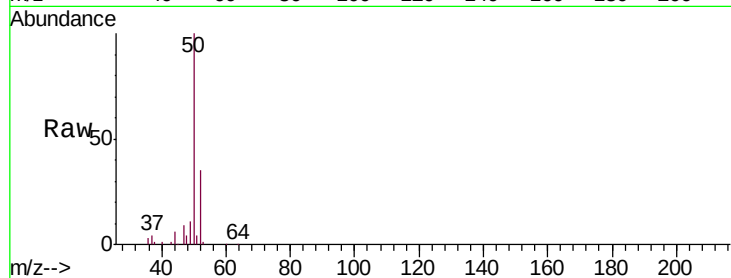
VSTDCCC020

Tgt Ion: 50 Resp: 95551

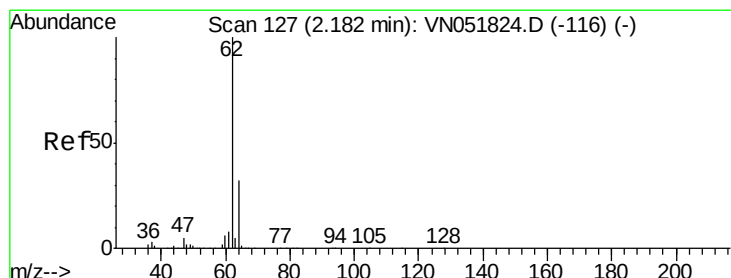
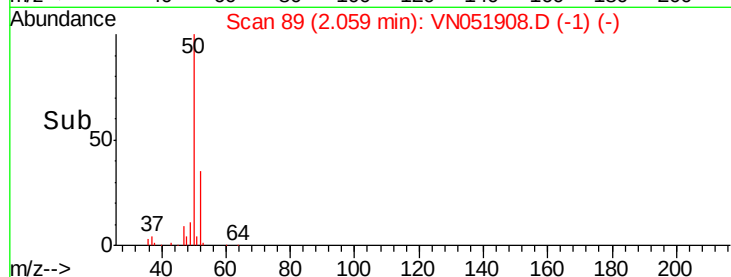
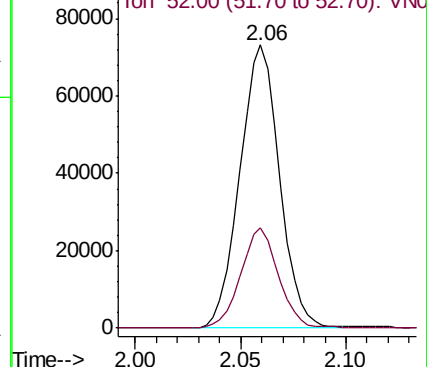
Ion Ratio Lower Upper

50 100

52 35.3 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN051824.D (-78) (-)



#4

Vinyl Chloride

Concen: 18.725 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051908.D

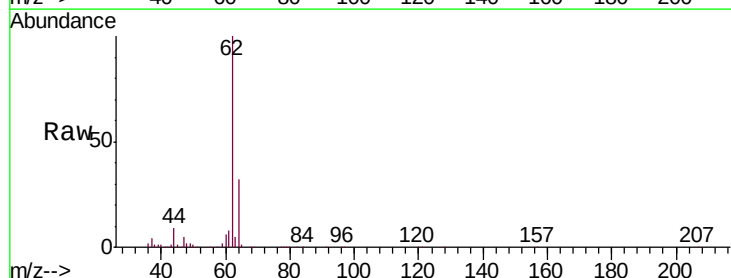
Acq: 18 Oct 2018 11:19

Tgt Ion: 62 Resp: 143687

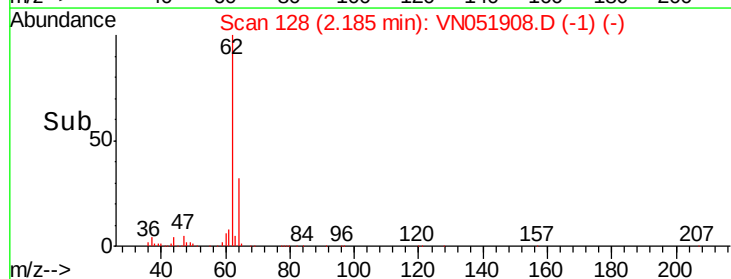
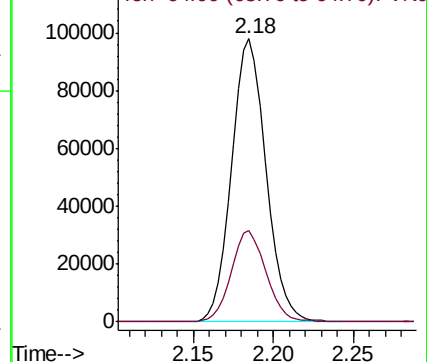
Ion Ratio Lower Upper

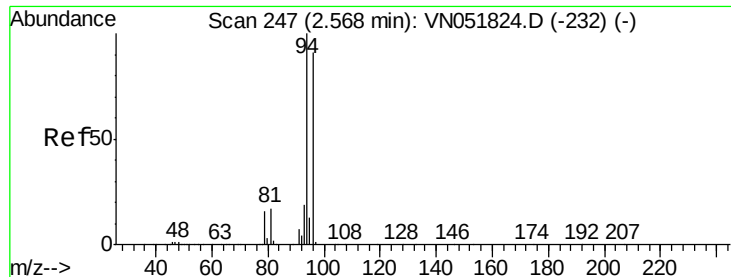
62 100

64 32.1 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN051824.D (-116) (-)





#5

Bromomethane

Concen: 18.861 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

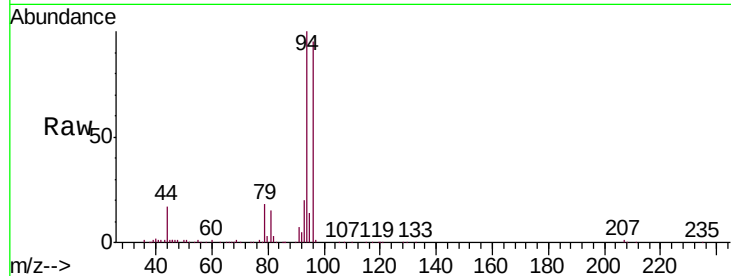
VSTDCCC020

Tgt Ion: 94 Resp: 127878

Ion Ratio Lower Upper

94 100

96 94.8 66.4 99.6

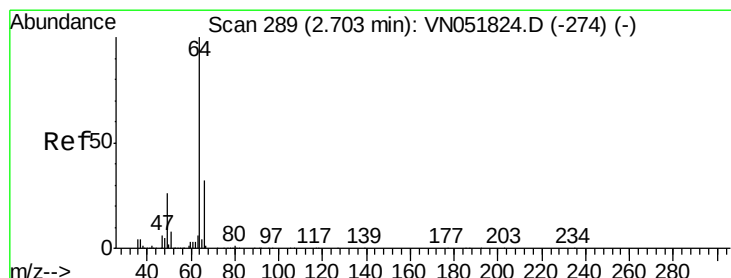
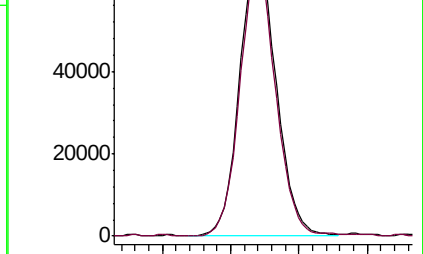
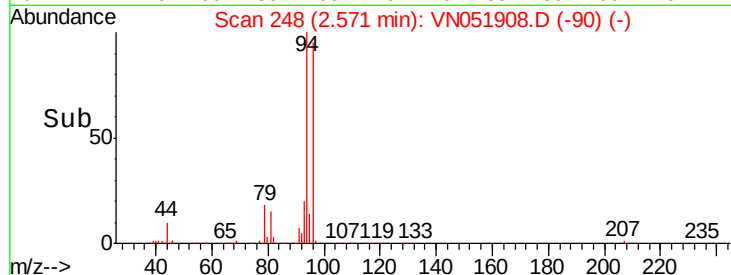


Abundance Ion 94.00 (93.70 to 94.70): VN051908.D (-248) (-)

Ion 96.00 (95.70 to 96.70): VN051908.D (-248) (-)

2.57

Time-->



#6

Chloroethane

Concen: 19.274 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051908.D

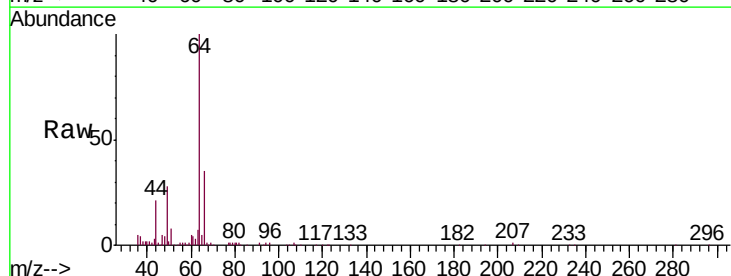
Acq: 18 Oct 2018 11:19

Tgt Ion: 64 Resp: 106586

Ion Ratio Lower Upper

64 100

66 34.7 25.8 38.6

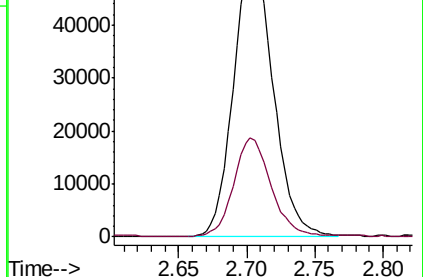
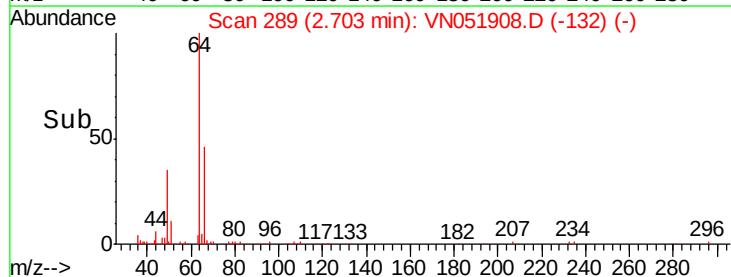


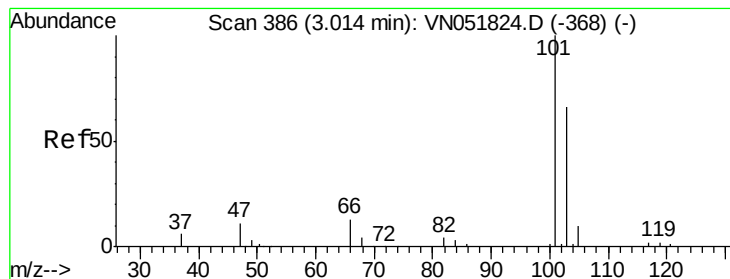
Abundance Ion 64.00 (63.70 to 64.70): VN051908.D (-289) (-)

Ion 66.00 (65.70 to 66.70): VN051908.D (-289) (-)

2.70

Time-->



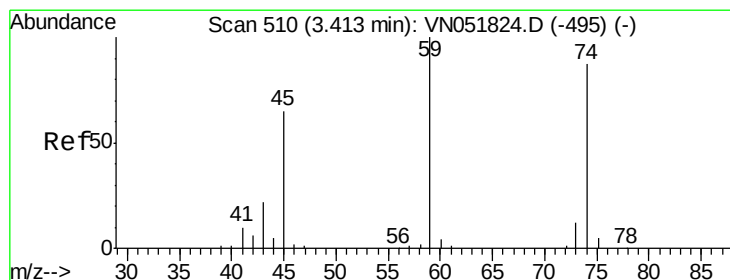
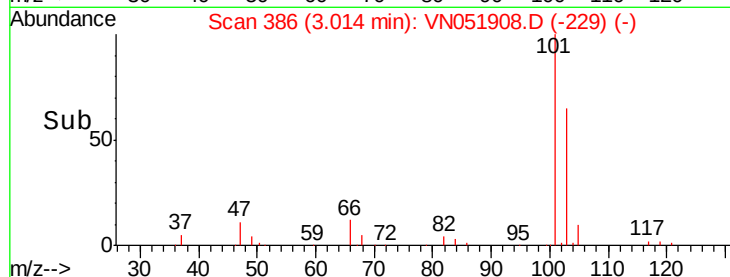
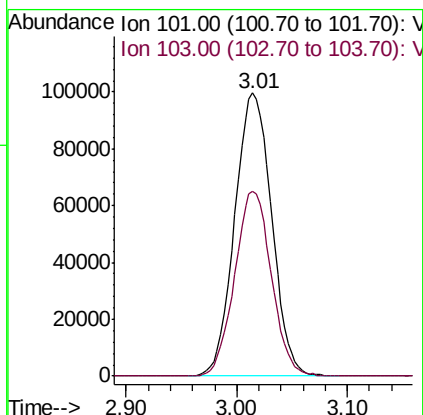
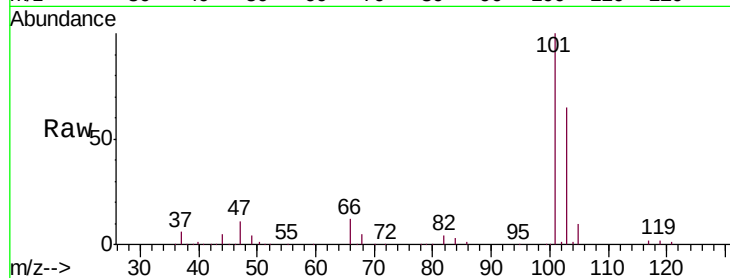


#7

Trichlorofluoromethane
 Concen: 21.171 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

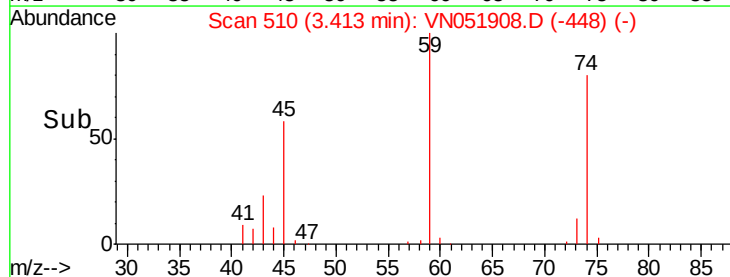
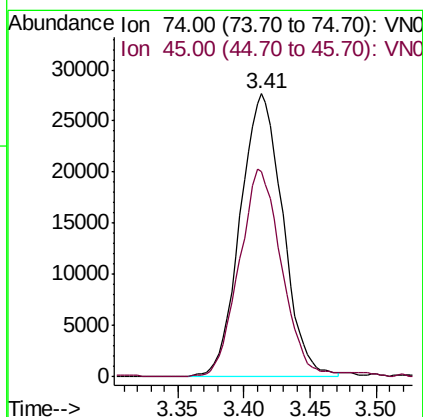
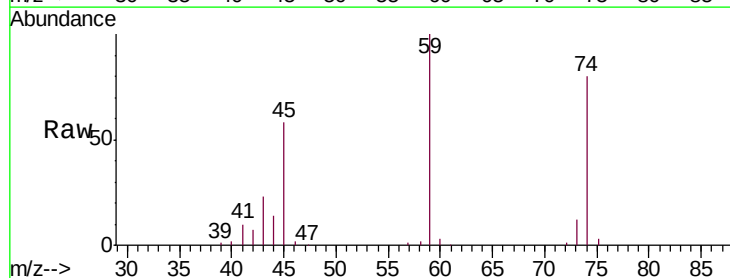
Tgt Ion: 101 Resp: 231608
 Ion Ratio Lower Upper
 101 100
 103 65.5 54.8 82.2

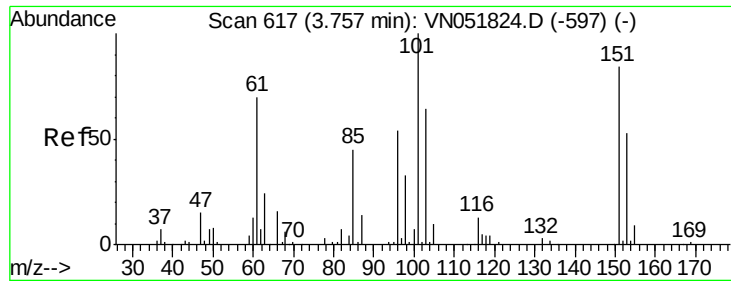


#8

Diethyl Ether
 Concen: 19.424 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 74 Resp: 61861
 Ion Ratio Lower Upper
 74 100
 45 73.2 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.398 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051908.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

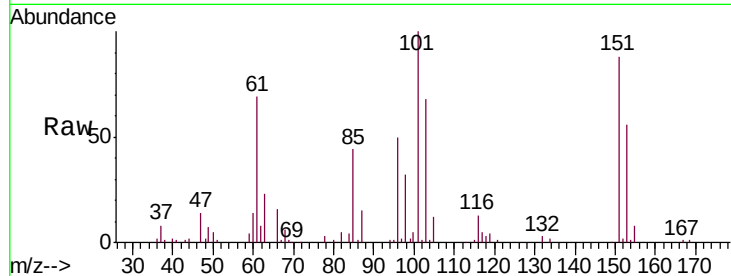
Tgt Ion: 101 Resp: 133315

Ion Ratio Lower Upper

101 100

85 43.7 0.0 46.0

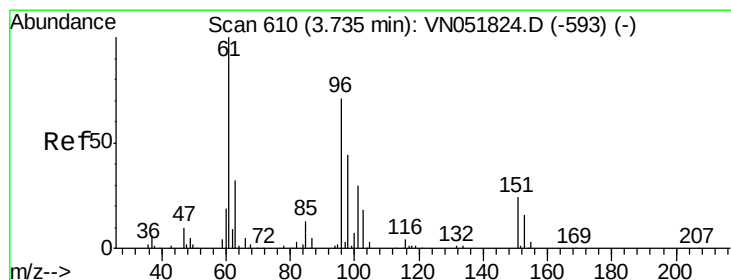
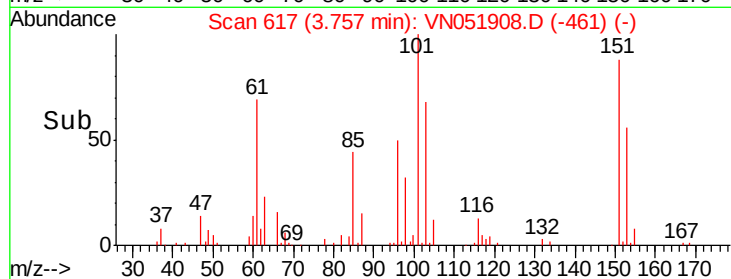
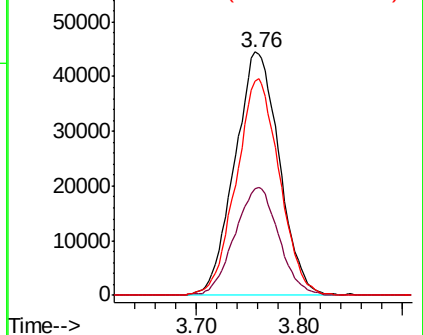
151 86.5 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.028 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

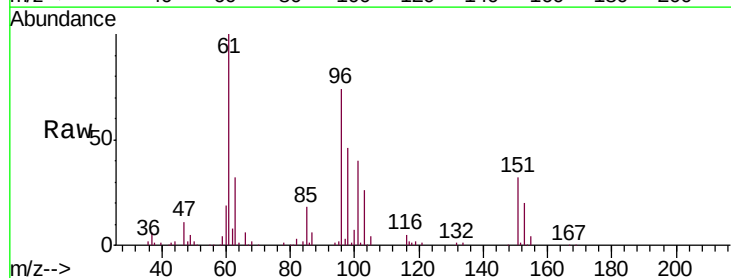
Tgt Ion: 96 Resp: 115394

Ion Ratio Lower Upper

96 100

61 134.8 133.0 199.6

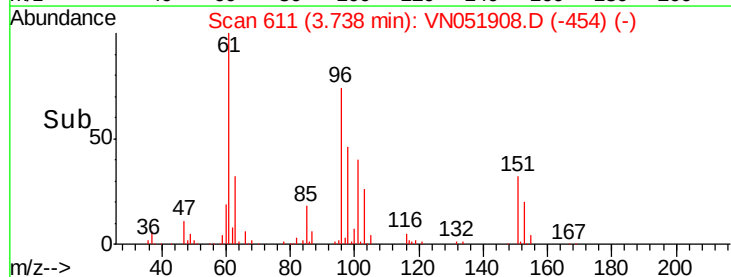
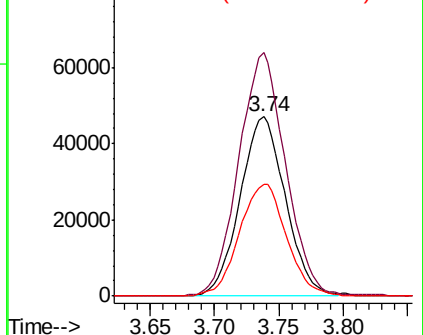
98 62.2 52.6 78.8

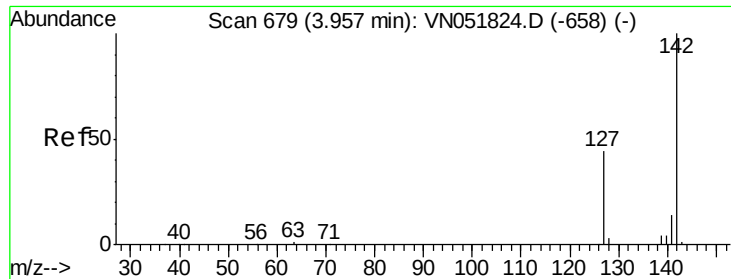


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

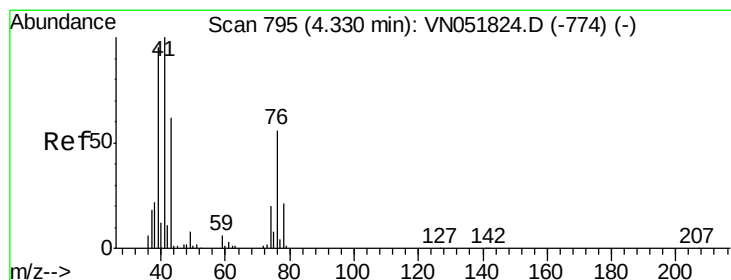
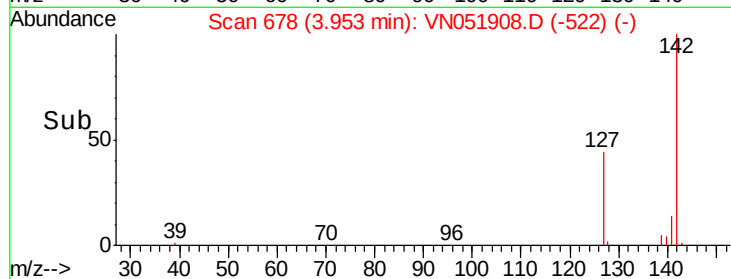
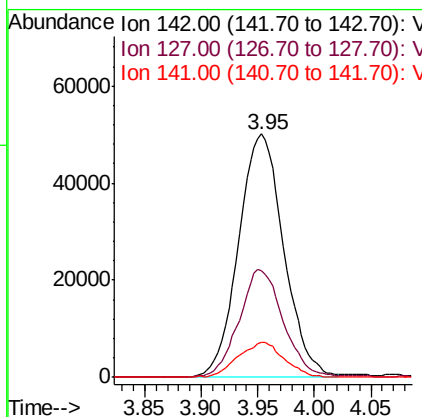
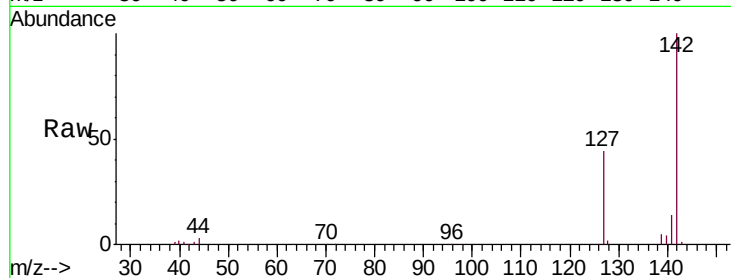




#11
Methyl Iodide
Concen: 16.641 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

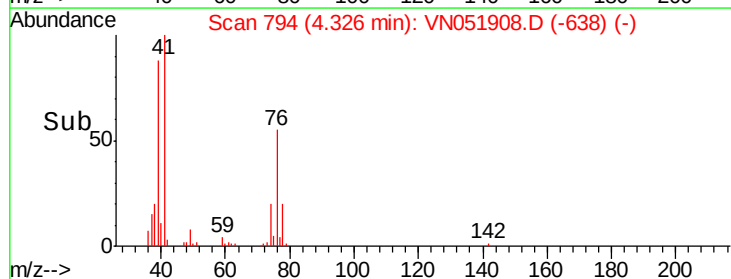
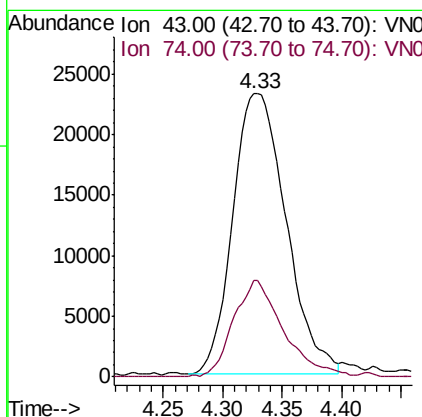
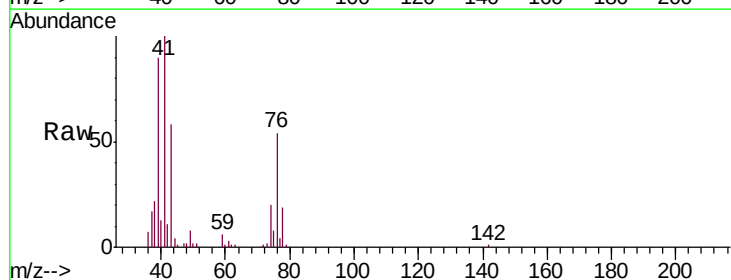
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

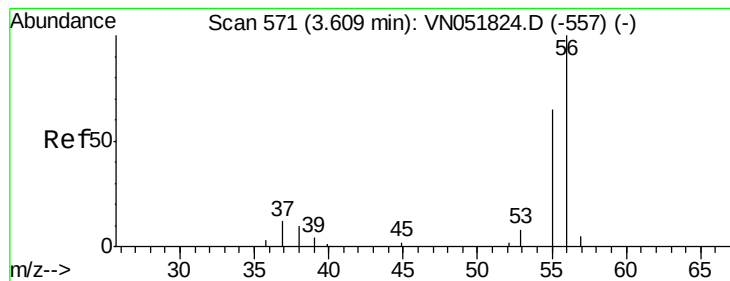
Tgt Ion:142 Resp: 139382
Ion Ratio Lower Upper
142 100
127 43.8 19.7 59.0
141 14.6 6.3 18.9



#12
Methyl Acetate
Concen: 20.045 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 43 Resp: 71720
Ion Ratio Lower Upper
43 100
74 33.9 21.8 32.6#





#13

Acrolein

Concen: 41.993 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

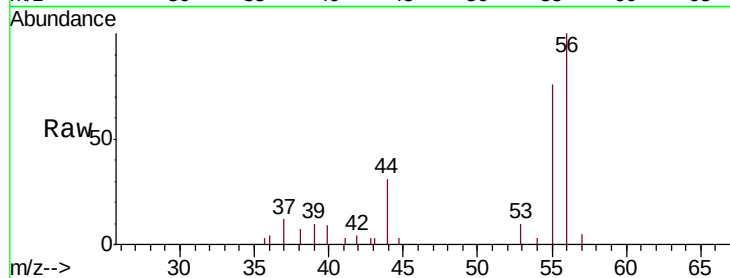
VSTDCCC020

Tgt Ion: 56 Resp: 9899

Ion Ratio Lower Upper

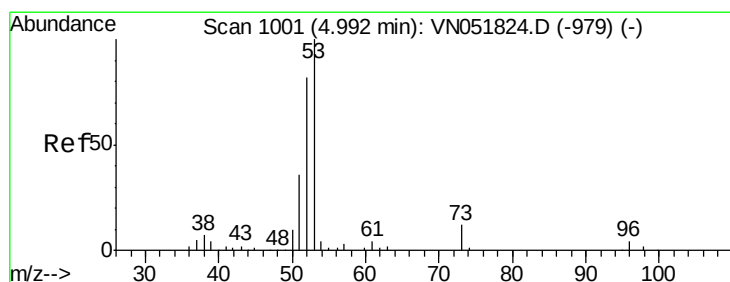
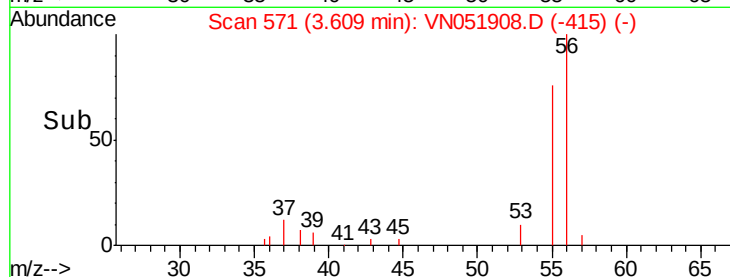
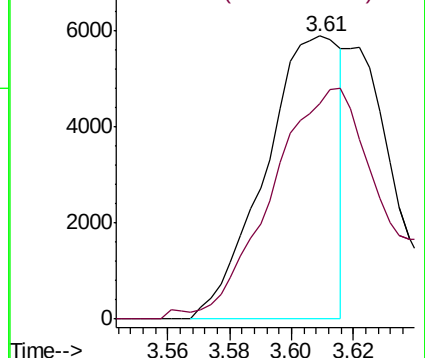
56 100

55 125.3 64.0 96.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 90.678 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

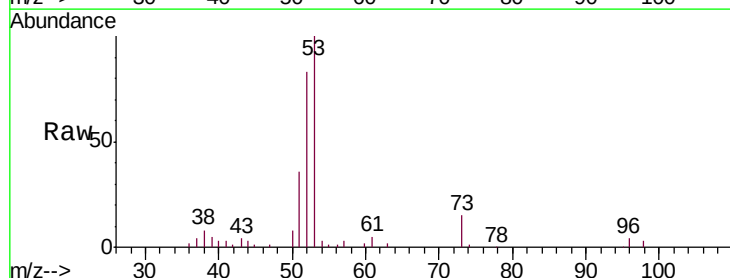
Tgt Ion: 53 Resp: 145001

Ion Ratio Lower Upper

53 100

52 83.8 18.3 54.8#

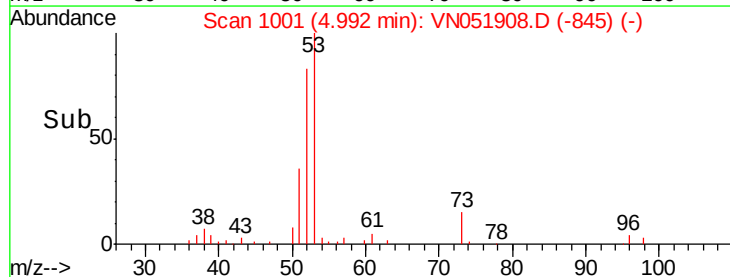
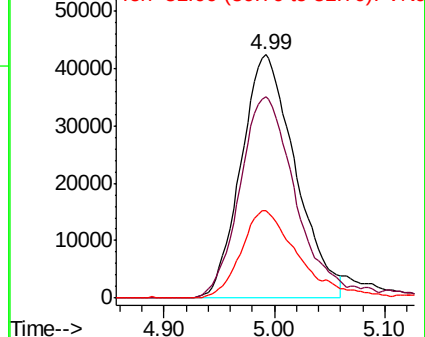
51 34.6 19.7 59.1

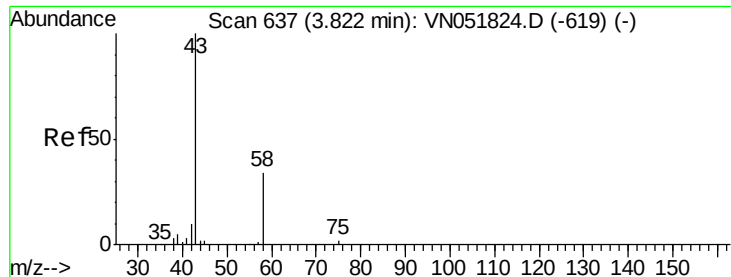


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 108.365 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

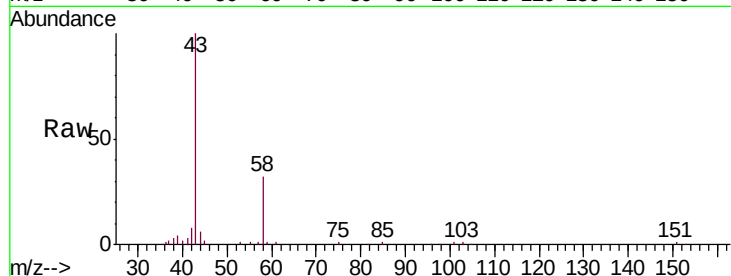
VSTDCCC020

Tgt Ion: 58 Resp: 42836

Ion Ratio Lower Upper

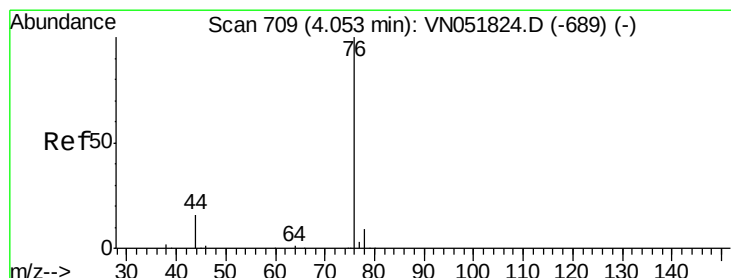
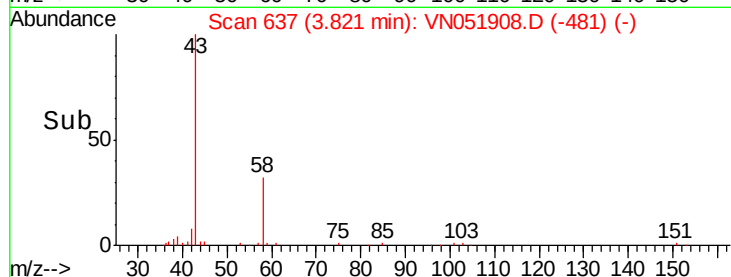
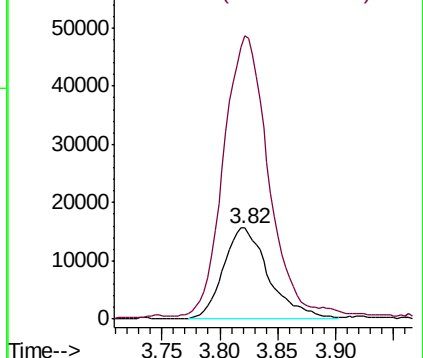
58 100

43 303.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051908.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN051908.D (-481) (-)



#16

Carbon Disulfide

Concen: 17.684 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051908.D

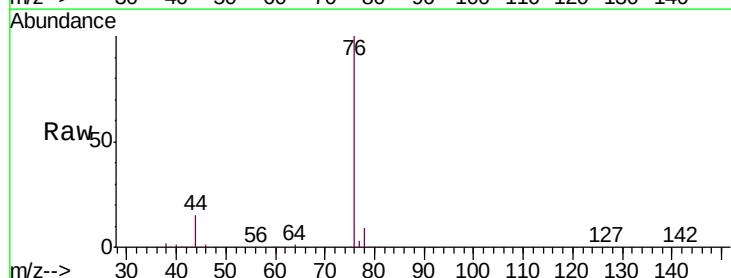
Acq: 18 Oct 2018 11:19

Tgt Ion: 76 Resp: 267596

Ion Ratio Lower Upper

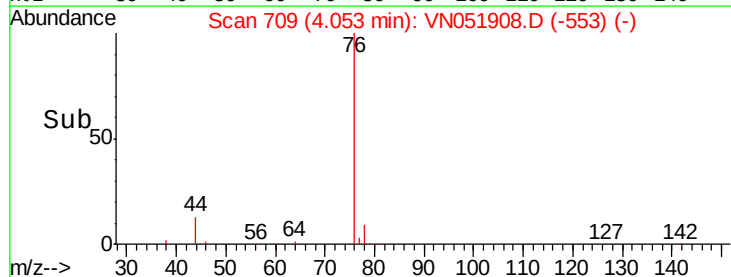
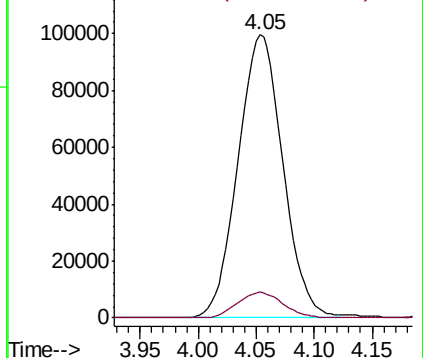
76 100

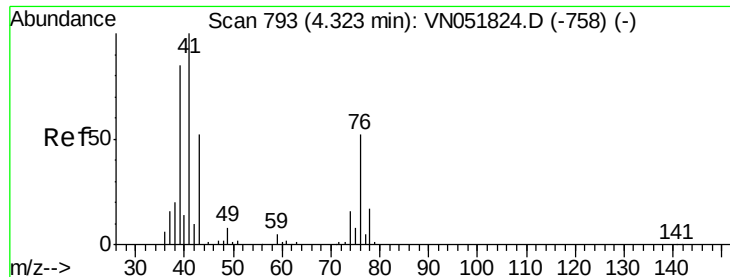
78 9.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051908.D (-553) (-)

Ion 78.00 (77.70 to 78.70): VN051908.D (-553) (-)

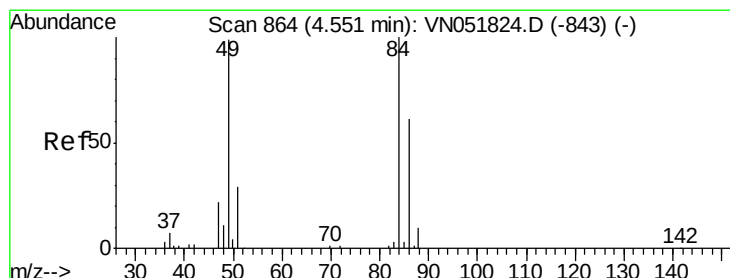
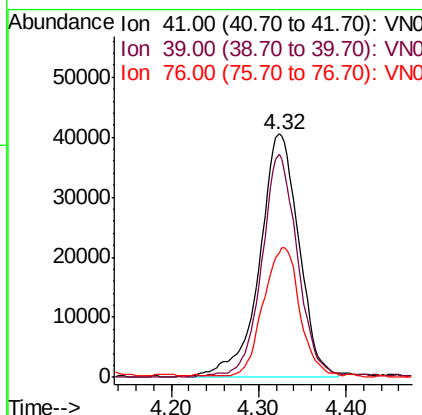
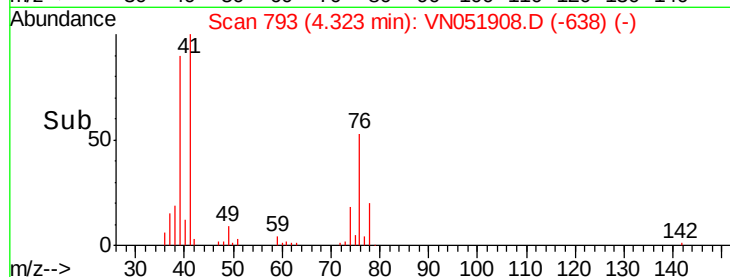
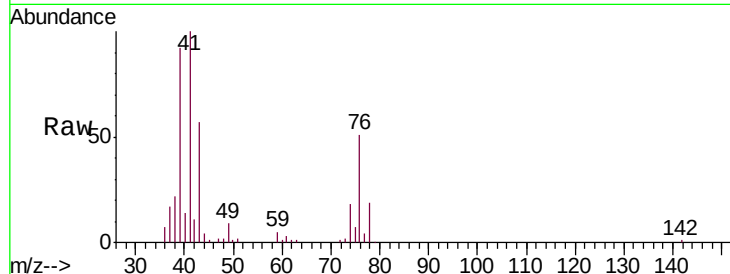




#17
 Allyl chloride
 Concen: 18.322 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

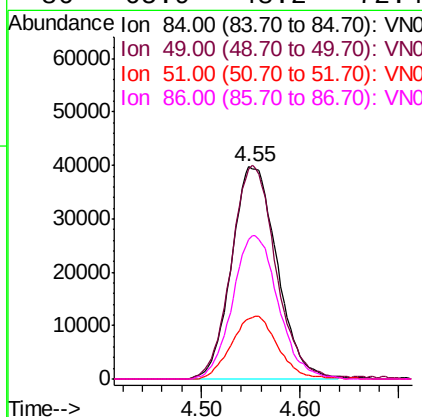
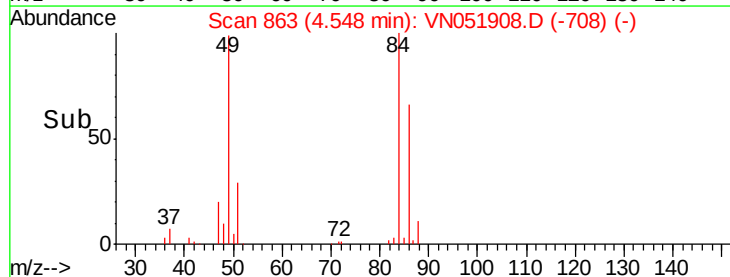
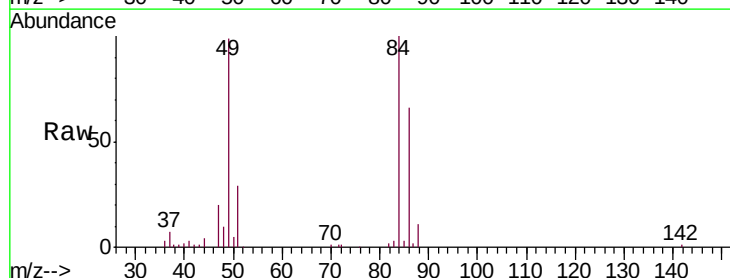
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

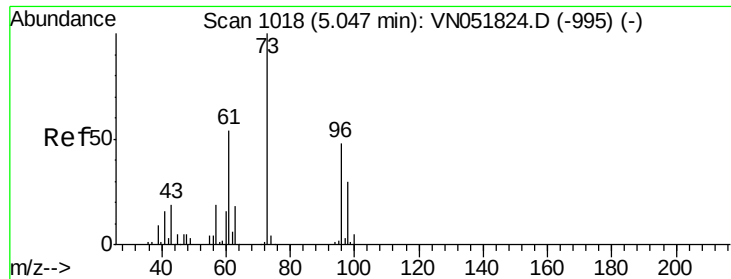
Tgt Ion: 41 Resp: 125329
 Ion Ratio Lower Upper
 41 100
 39 92.2 32.6 97.8
 76 50.8 20.2 60.5



#18
 Methylene Chloride
 Concen: 19.776 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 84 Resp: 127399
 Ion Ratio Lower Upper
 84 100
 49 99.3 91.6 137.4
 51 28.7 29.8 44.6#
 86 65.9 48.2 72.4

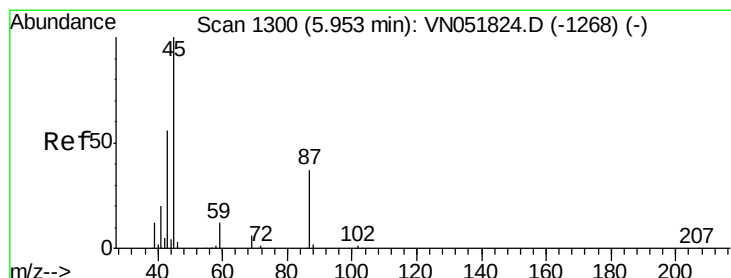
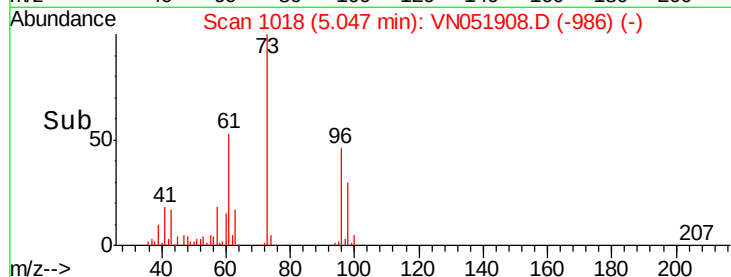
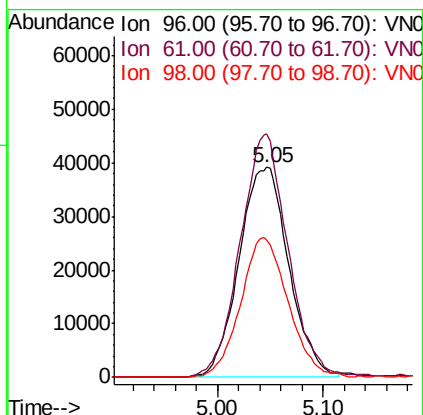
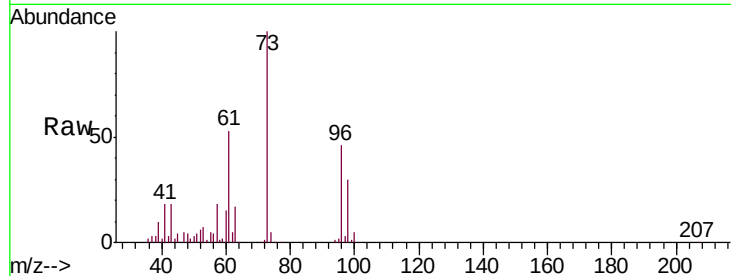




#19
trans-1,2-Dichloroethene
Concen: 19.563 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

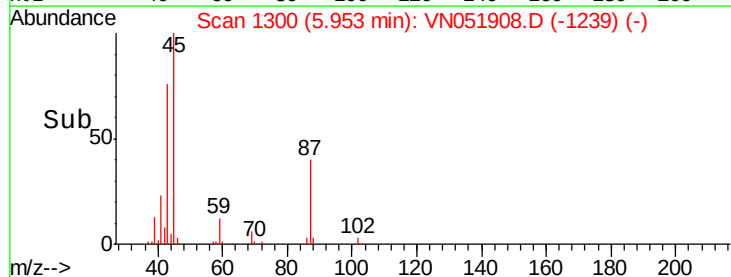
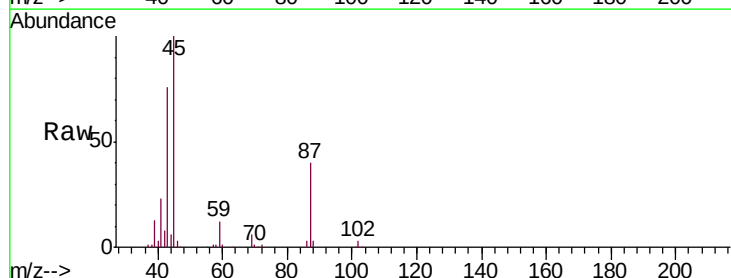
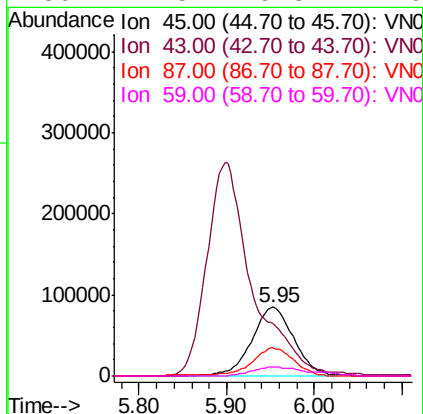
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

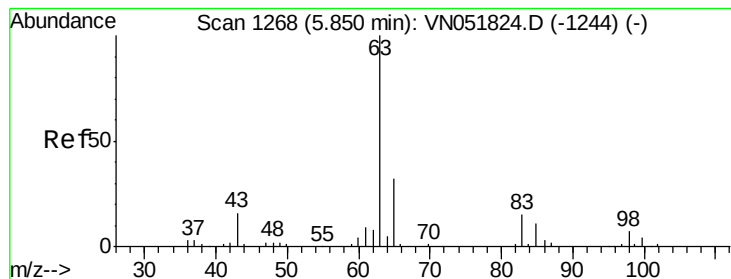
Tgt Ion: 96 Resp: 128703
Ion Ratio Lower Upper
96 100
61 116.0 112.3 168.5
98 65.7 47.1 70.7



#20
Diisopropyl ether
Concen: 18.505 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 45 Resp: 281918
Ion Ratio Lower Upper
45 100
43 70.1 62.1 93.1
87 39.8 19.9 29.9#
59 11.5 9.8 14.6





#21

1,1-Dichloroethane

Concen: 19.269 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

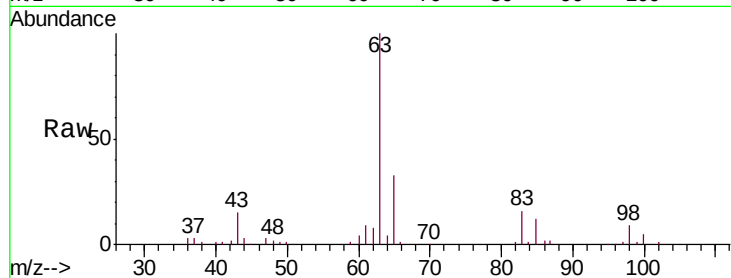
Tgt Ion: 63 Resp: 205122

Ion Ratio Lower Upper

63 100

98 8.7 4.1 12.3

100 5.3 1.6 4.7#

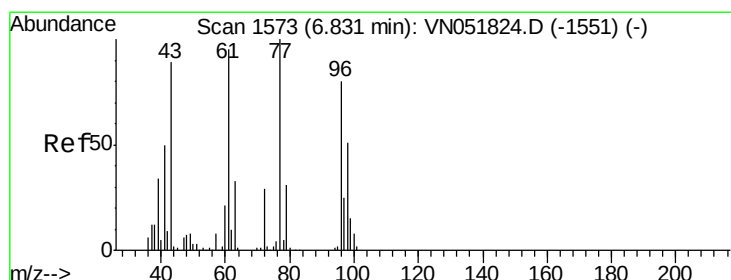
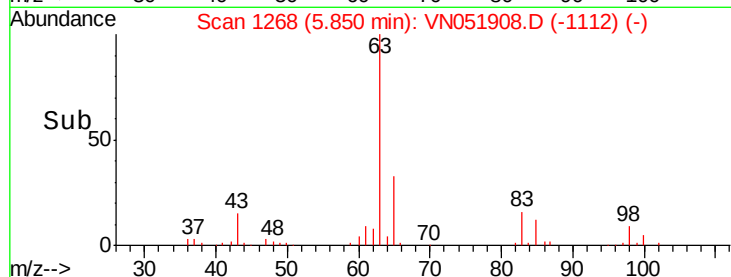


Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.667 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

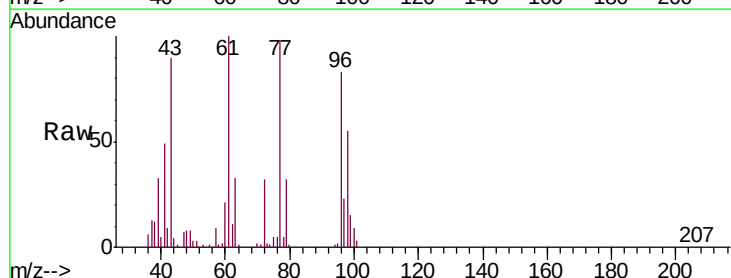
Tgt Ion: 96 Resp: 151982

Ion Ratio Lower Upper

96 100

61 121.1 124.5 186.7#

98 64.8 51.9 77.9

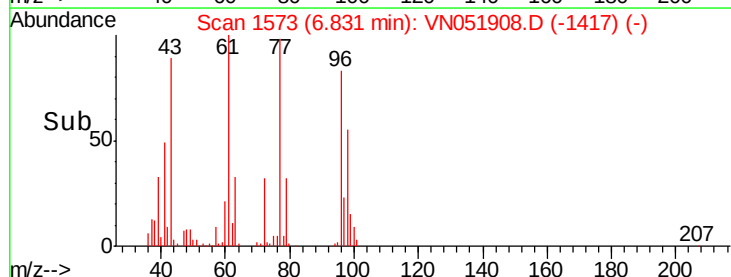


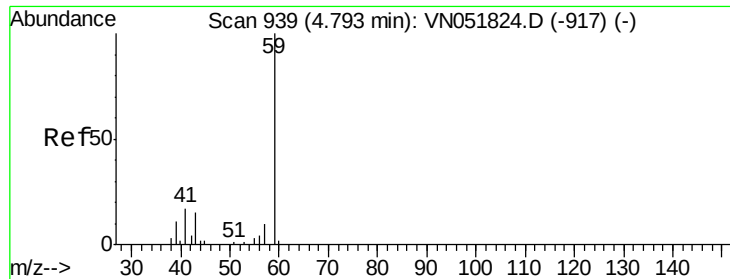
Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)

Time-->

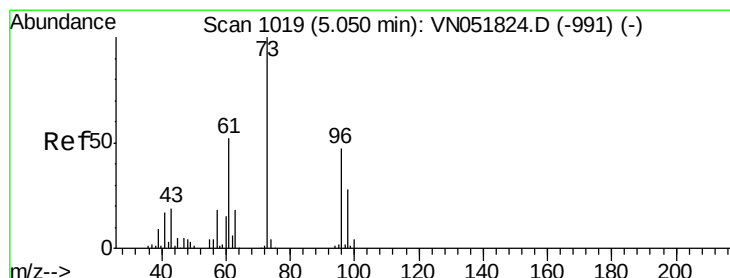
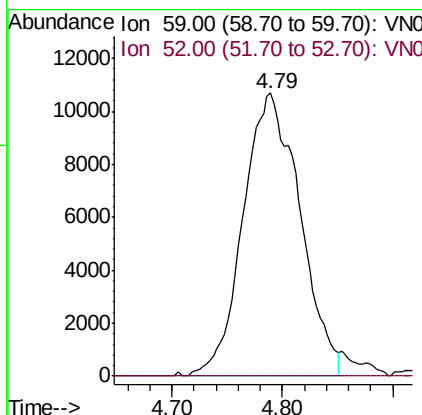
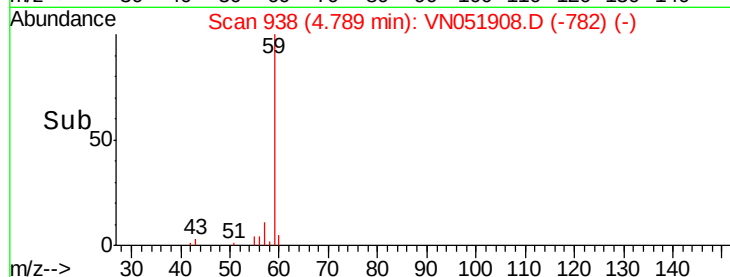
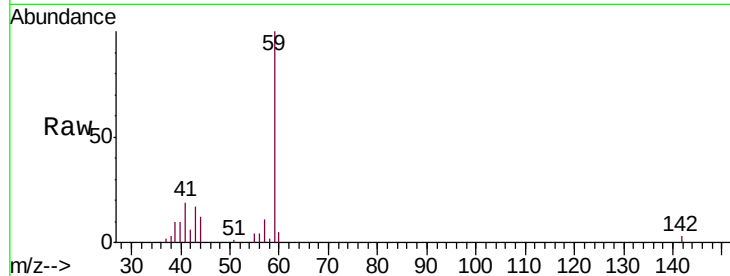




#23
tert-Butyl Alcohol
Concen: 90.465 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

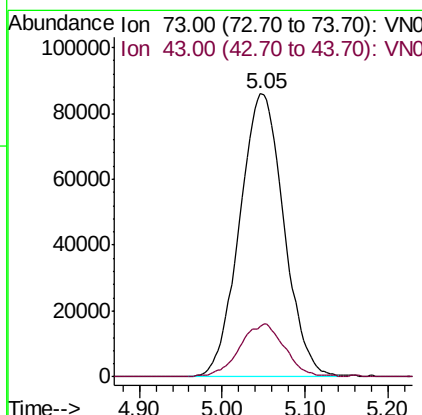
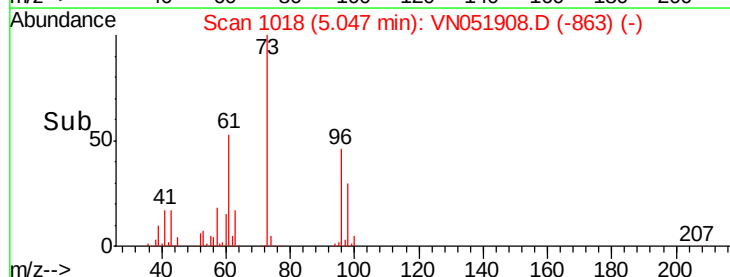
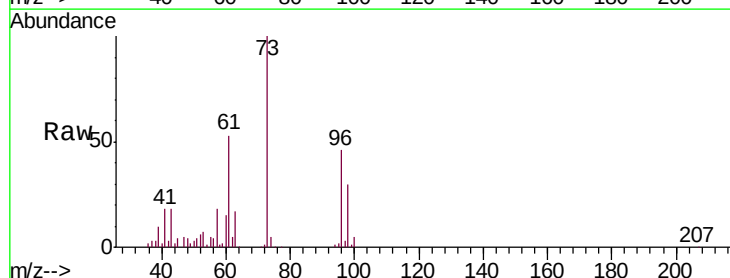
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

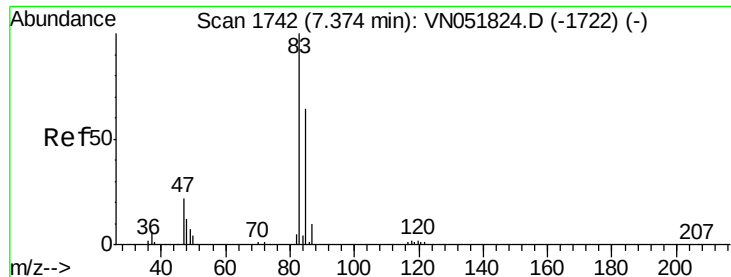
Tgt Ion: 59 Resp: 38099
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 19.199 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 73 Resp: 318712
Ion Ratio Lower Upper
73 100
43 8.0 5.4 8.0





#25

Chloroform

Concen: 19.980 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

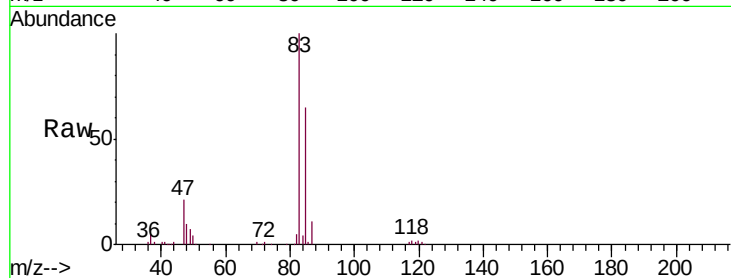
VSTDCCC020

Tgt Ion: 83 Resp: 252329

Ion Ratio Lower Upper

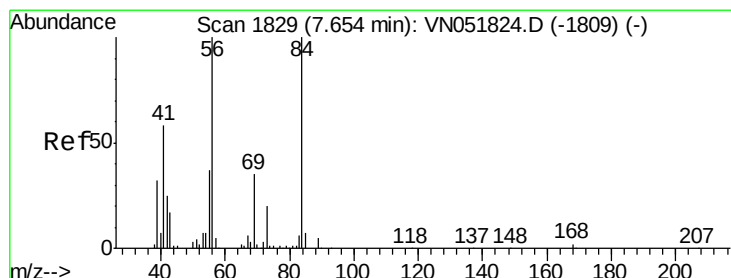
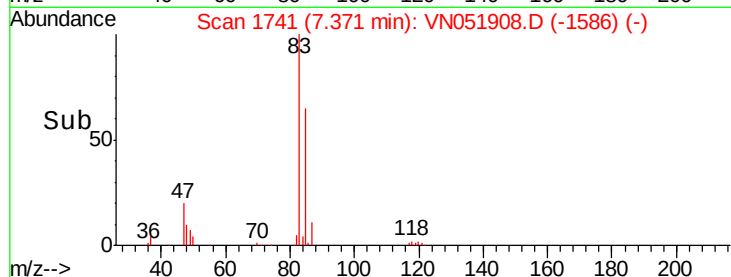
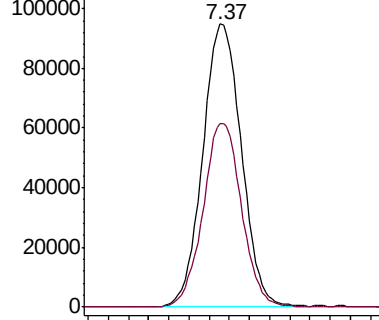
83 100

85 64.5 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 18.499 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

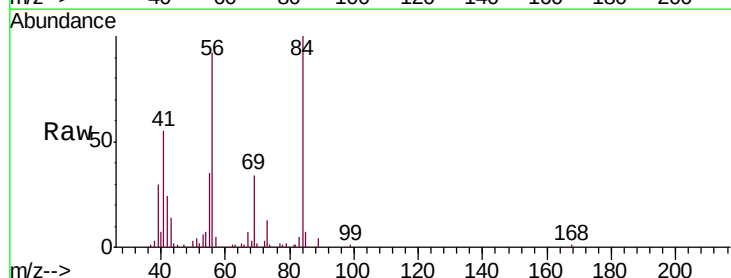
Tgt Ion: 56 Resp: 166950

Ion Ratio Lower Upper

56 100

89 4.4 1.5 2.3#

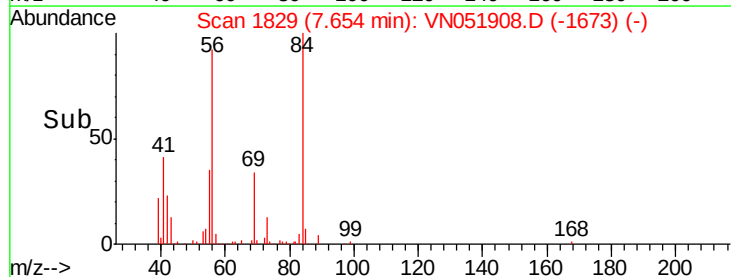
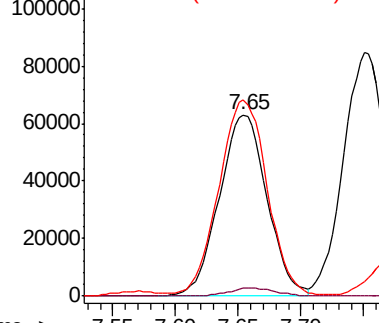
84 110.3 64.2 96.4#

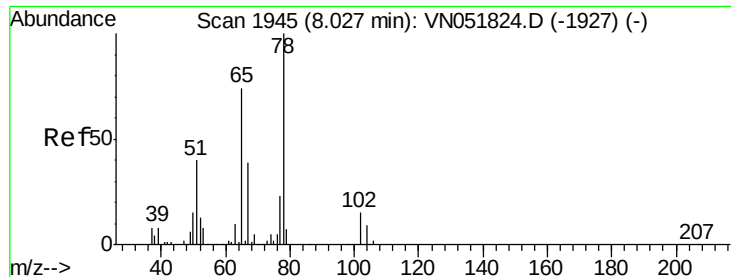


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

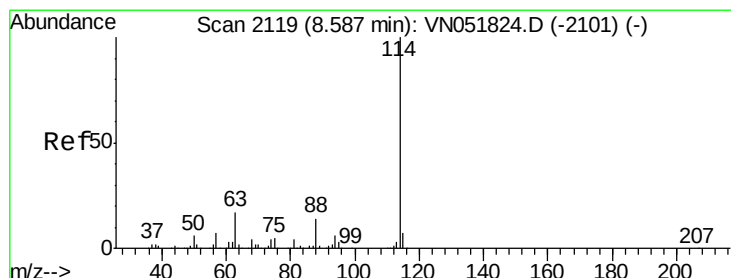
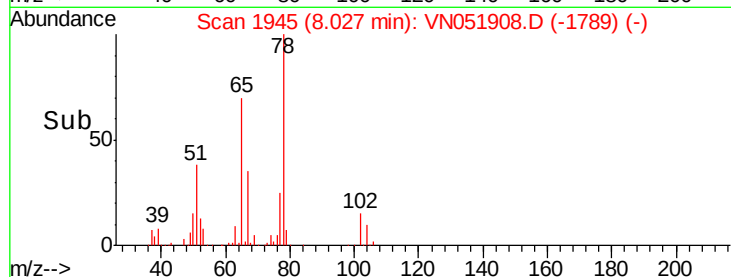
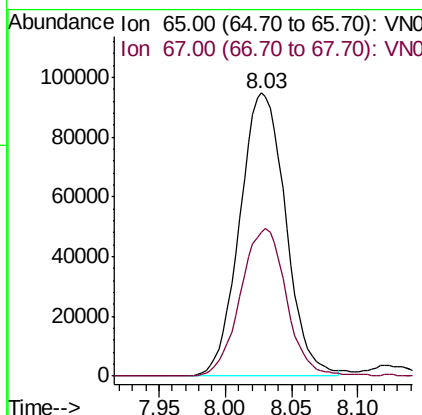
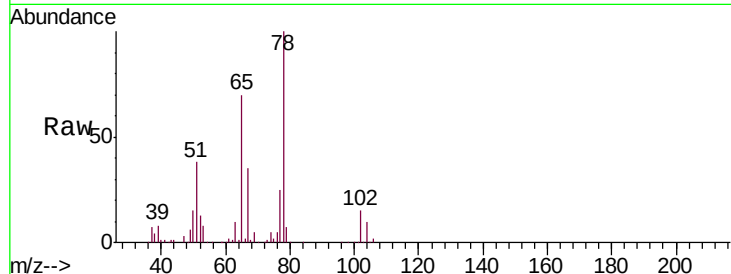




#27
 1,2-Dichloroethane-d4
 Concen: 18.499 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

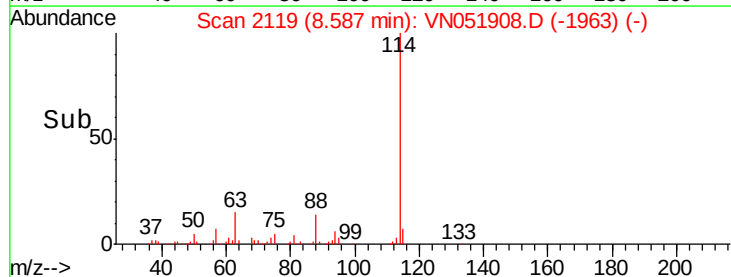
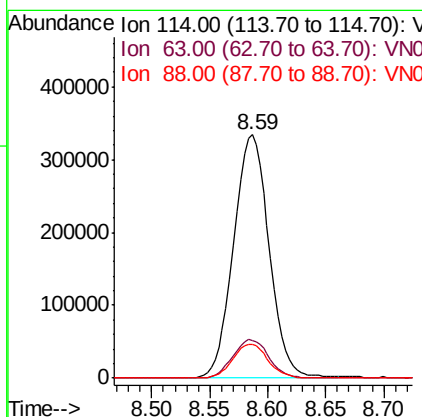
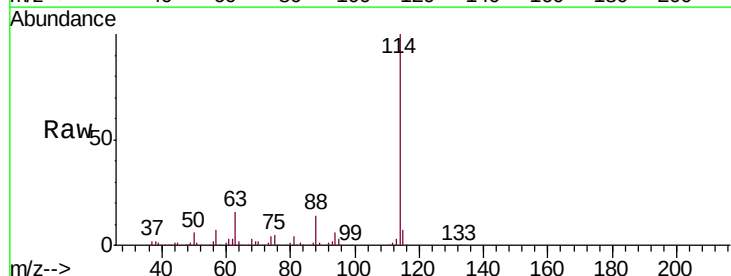
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

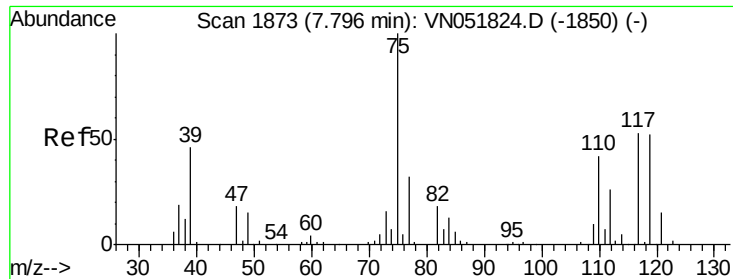
Tgt Ion: 65 Resp: 228667
 Ion Ratio Lower Upper
 65 100
 67 51.9 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 114 Resp: 711900
 Ion Ratio Lower Upper
 114 100
 63 15.9 16.2 24.2#
 88 13.8 12.2 18.4

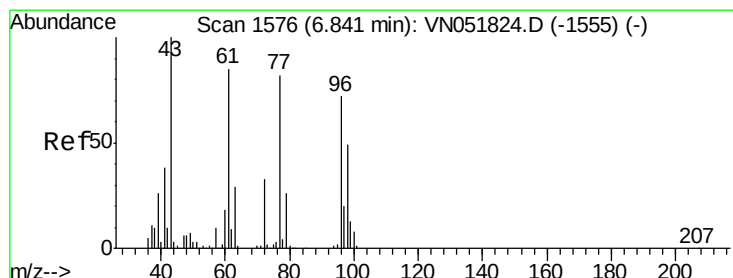
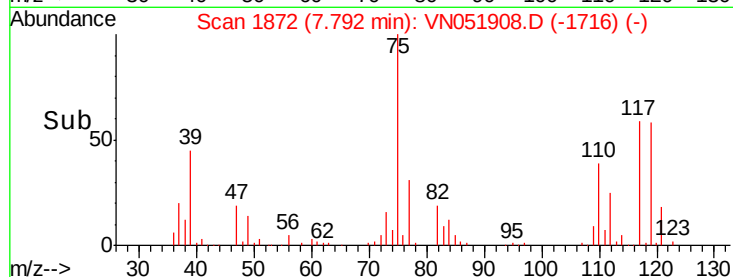
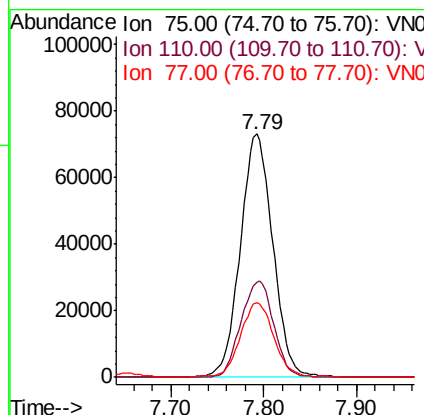
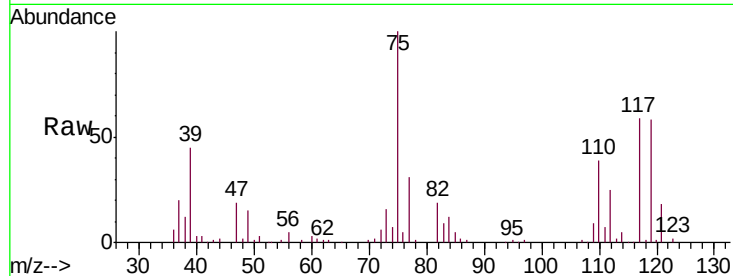




#29
 1,1-Dichloropropene
 Concen: 19.426 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

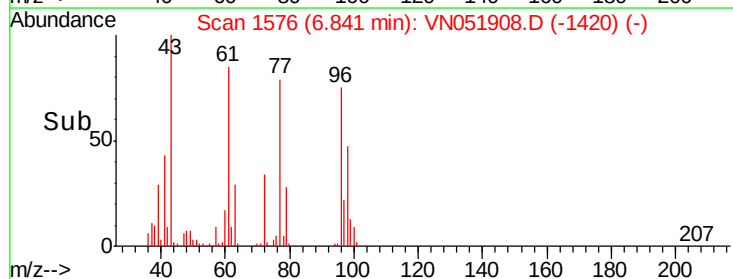
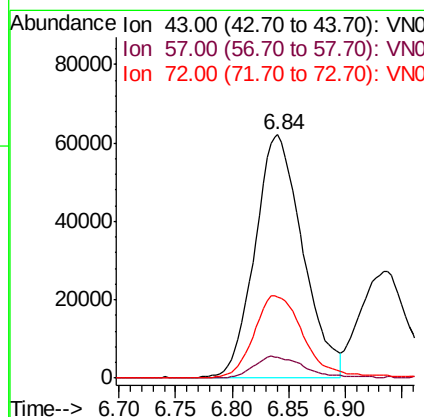
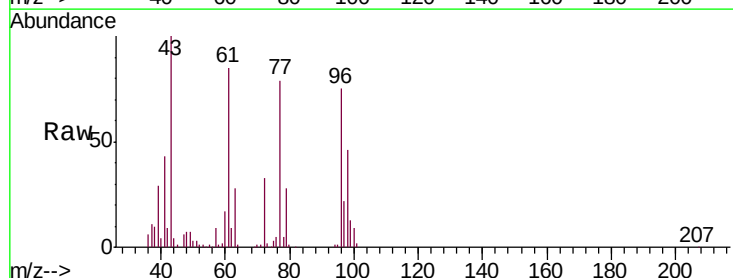
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

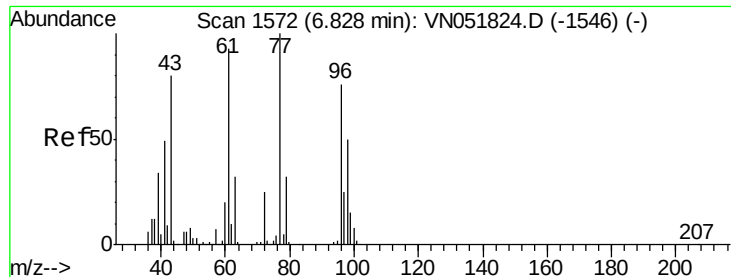
Tgt Ion: 75 Resp: 178261
 Ion Ratio Lower Upper
 75 100
 110 39.9 0.0 70.8
 77 31.1 0.0 61.6



#30
 2-Butanone
 Concen: 95.134 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 43 Resp: 182465
 Ion Ratio Lower Upper
 43 100
 57 8.9 4.5 6.7#
 72 34.8 21.5 32.3#

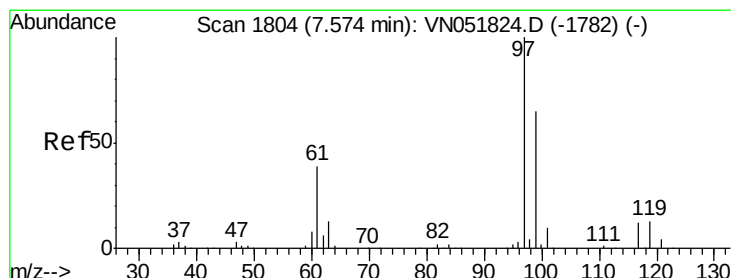
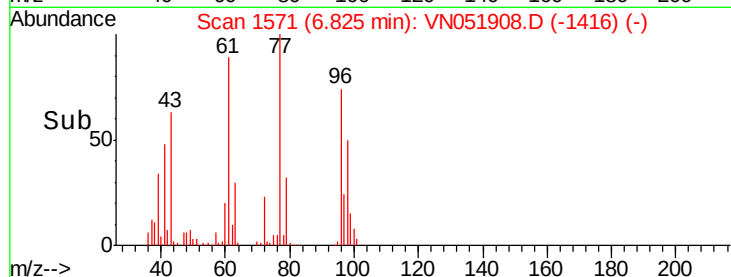
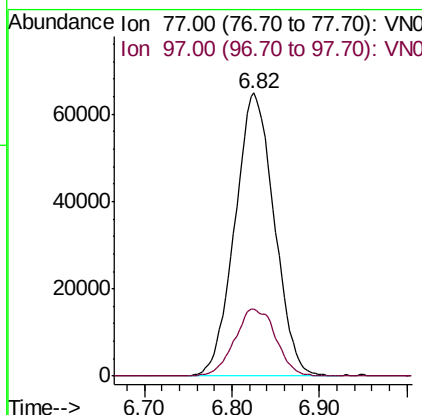
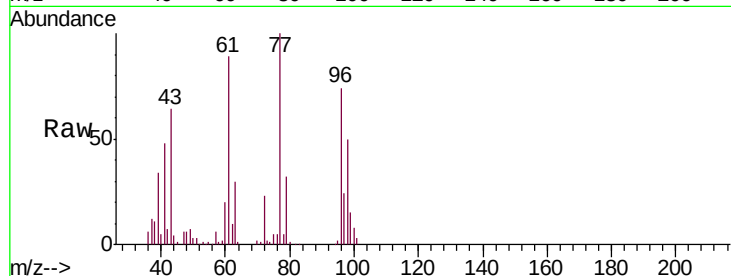




#31
 2,2-Dichloropropane
 Concen: 18.718 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

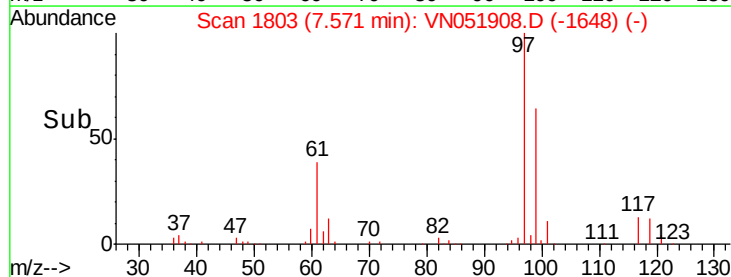
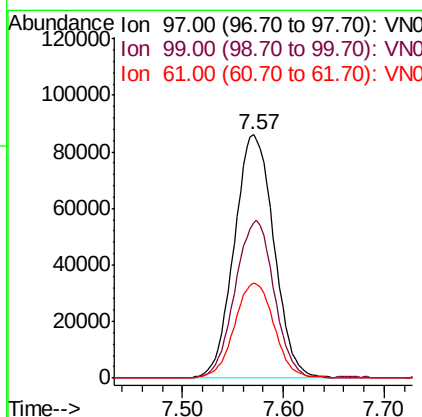
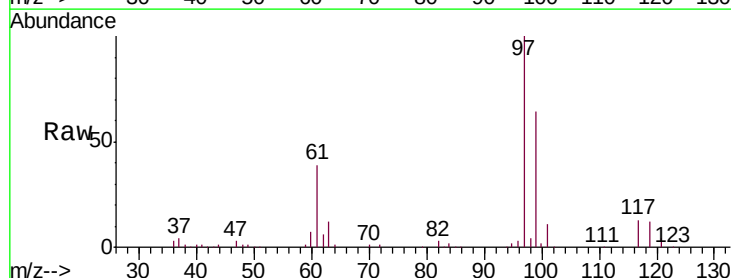
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

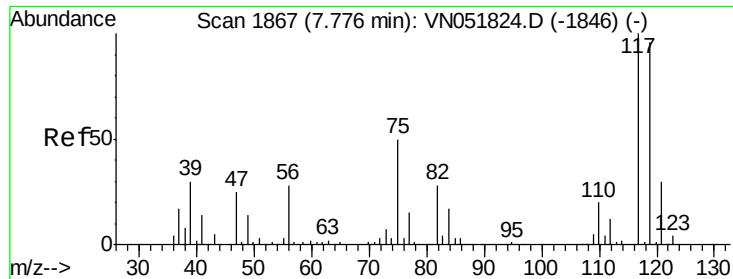
Tgt Ion: 77 Resp: 202065
 Ion Ratio Lower Upper
 77 100
 97 24.8 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 19.335 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 97 Resp: 235231
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.6 77.4
 61 38.8 37.4 56.0

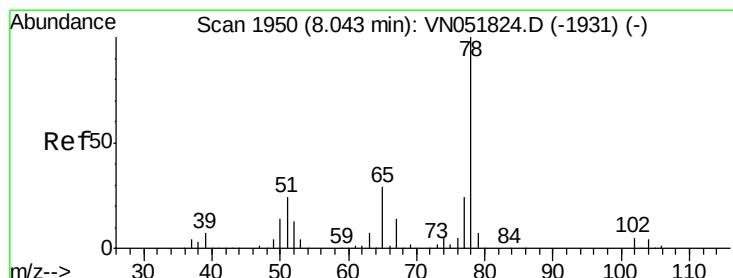
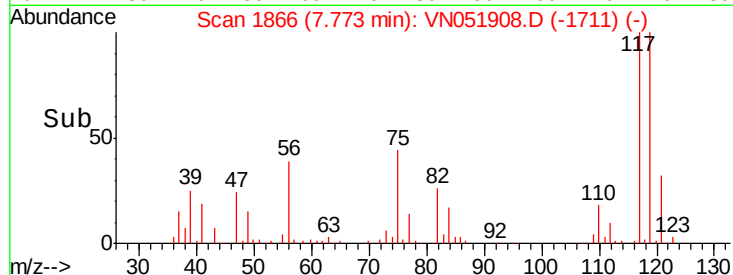
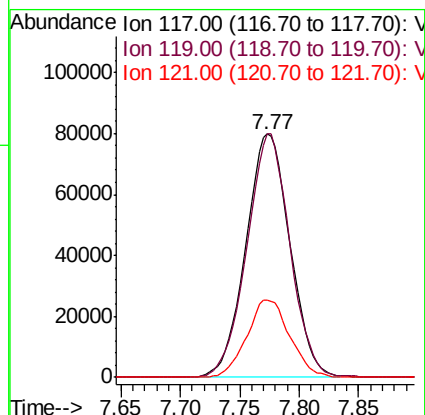
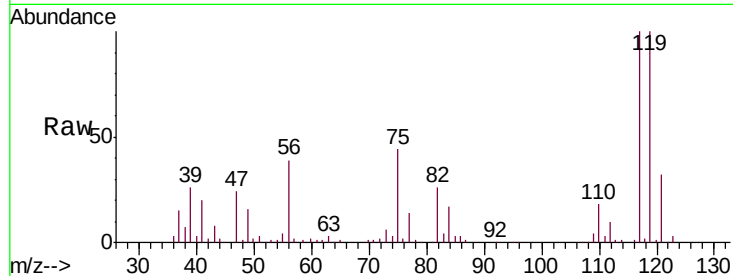




#33
Carbon Tetrachloride
Concen: 18.621 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

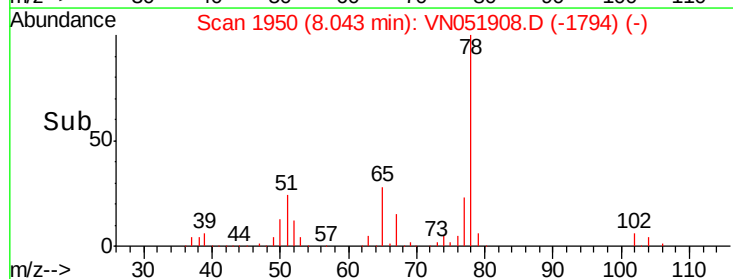
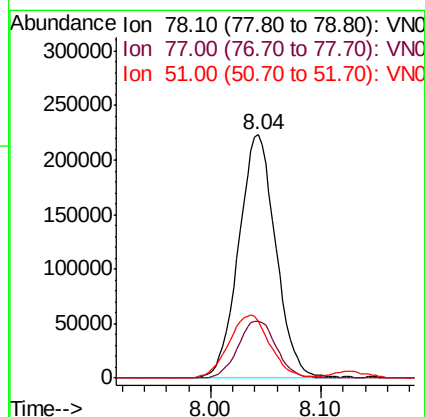
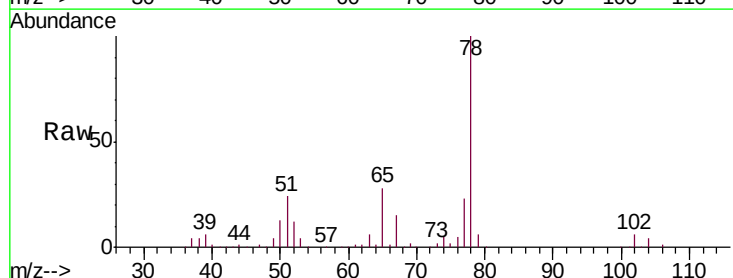
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

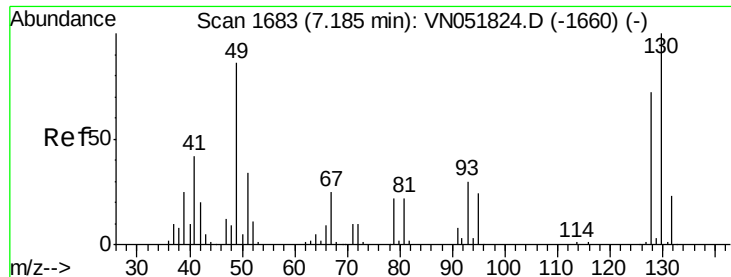
Tgt Ion:117 Resp: 204959
Ion Ratio Lower Upper
117 100
119 99.8 85.1 127.7
121 31.7 24.2 36.2



#34
Benzene
Concen: 19.114 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 78 Resp: 518820
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
51 23.4 46.2 69.4#

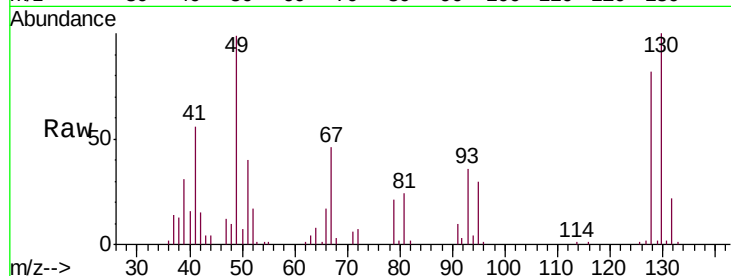




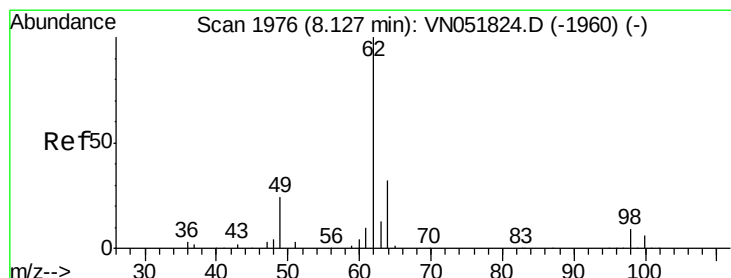
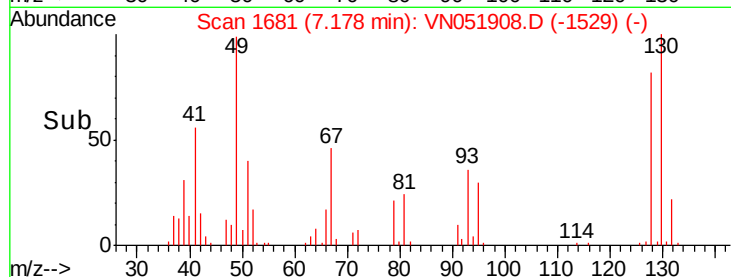
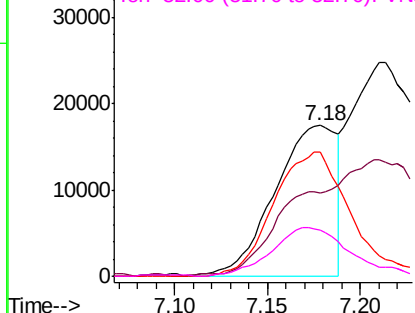
#35
Methacrylonitrile
Concen: 16.120 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:	41	Resp:	40622
Ion	Ratio	Lower	Upper
41	100		
39	54.2	22.6	67.7
67	82.6	28.9	86.8
52	29.3	11.3	33.9

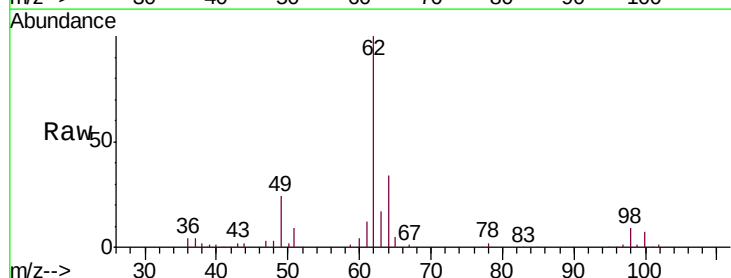


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

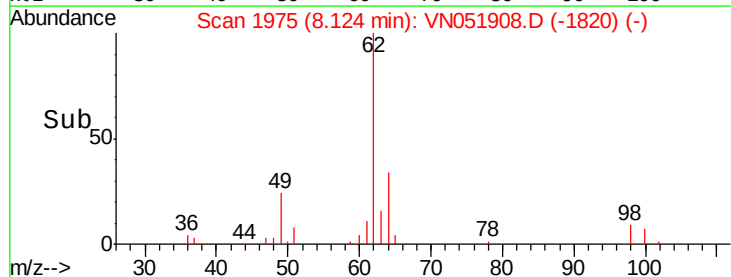
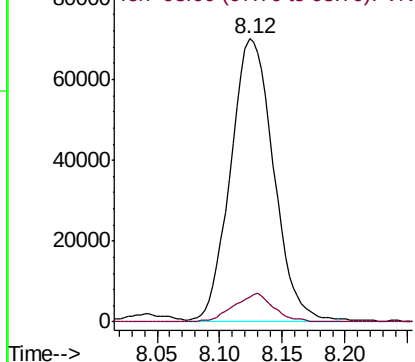


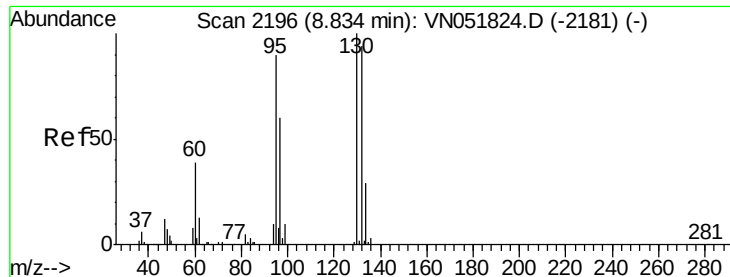
#36
1,2-Dichloroethane
Concen: 19.179 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion:	62	Resp:	166804
Ion	Ratio	Lower	Upper
62	100		
98	9.2	6.9	10.3



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





#37

Trichloroethene

Concen: 19.251 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

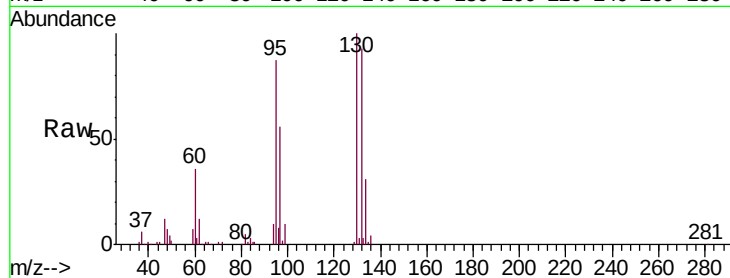
VSTDCCC020

Tgt Ion:130 Resp: 162207

Ion Ratio Lower Upper

130 100

95 87.1 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): VN051908.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051908.D (-2181) (-)

8.84

80000

60000

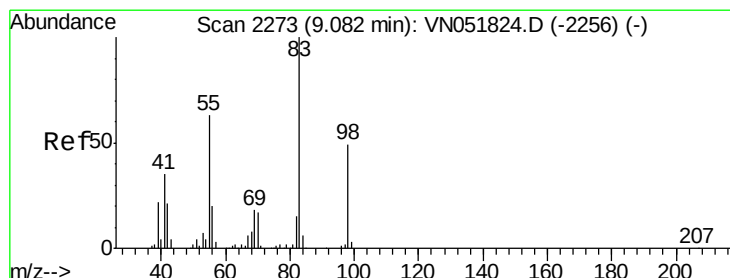
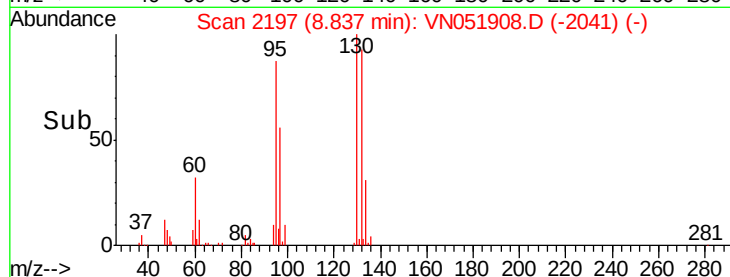
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 18.425 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

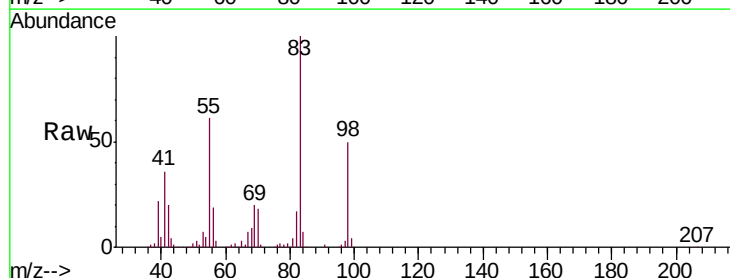
Tgt Ion: 83 Resp: 216863

Ion Ratio Lower Upper

83 100

55 60.7 43.0 129.2

98 50.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051908.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051908.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051908.D (-2256) (-)

9.08

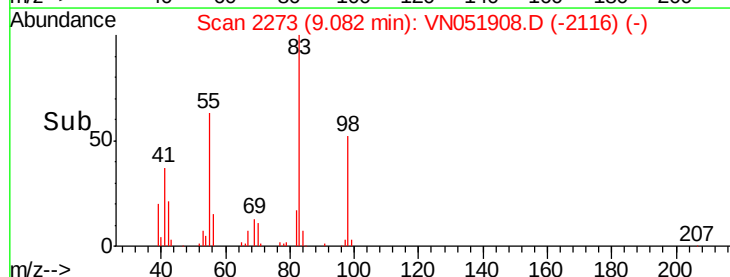
100000

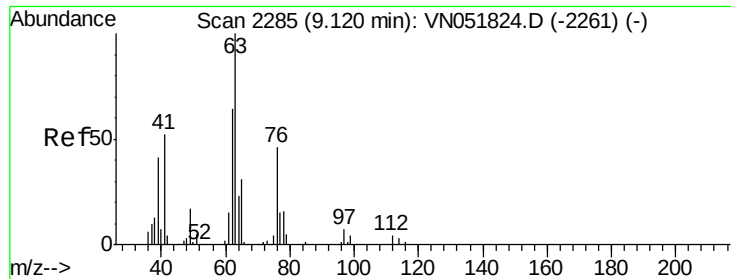
50000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 18.764 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

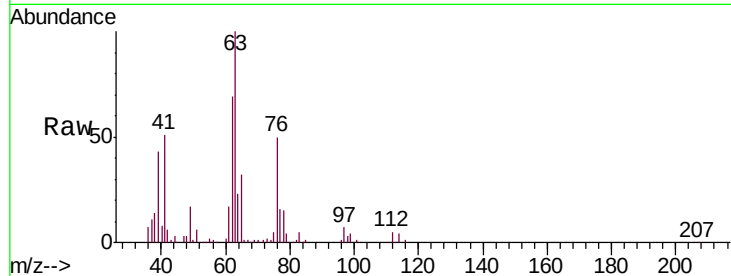
VSTDCCC020

Tgt Ion: 63 Resp: 119949

Ion Ratio Lower Upper

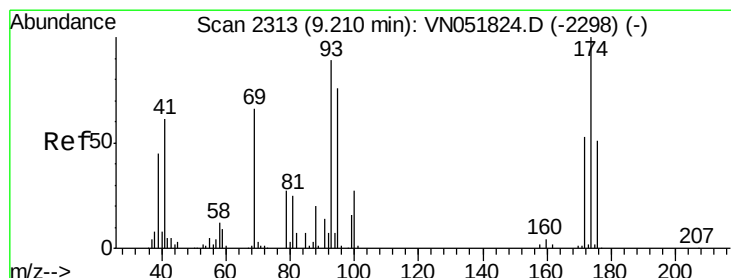
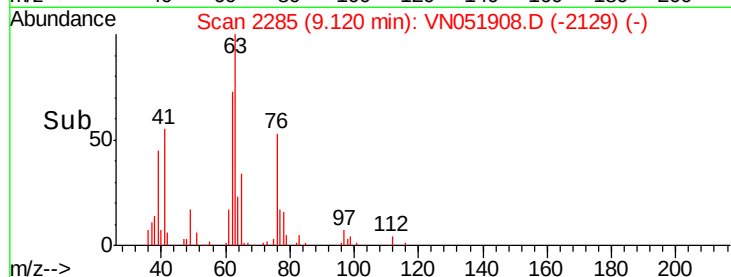
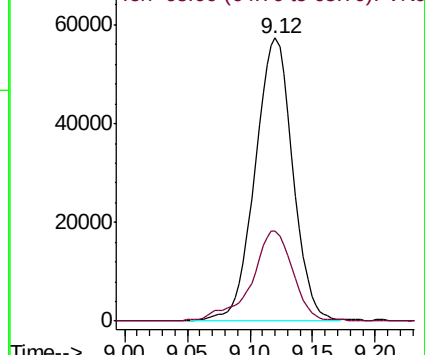
63 100

65 31.3 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.990 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

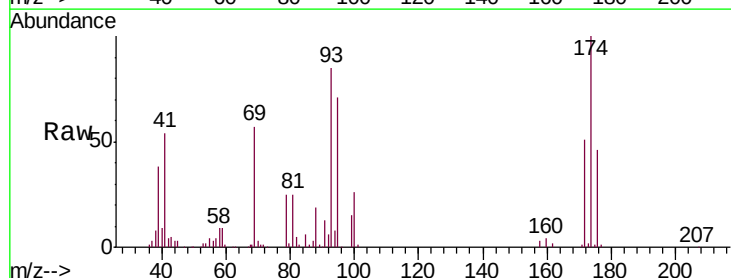
Tgt Ion: 93 Resp: 90097

Ion Ratio Lower Upper

93 100

95 83.8 0.0 162.0

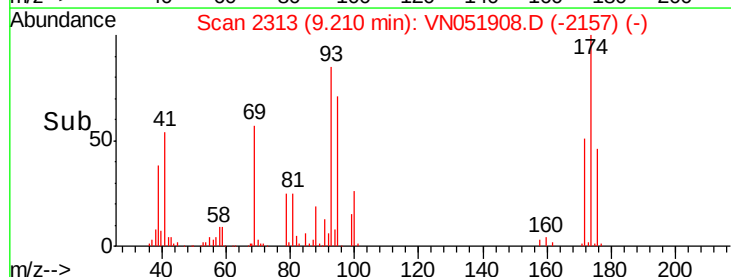
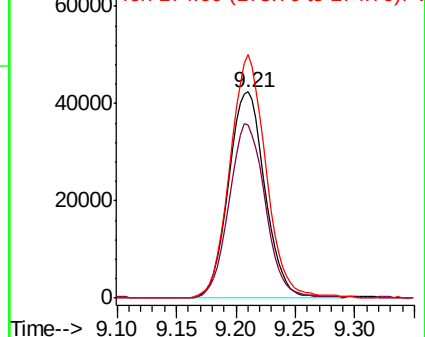
174 116.1 0.0 214.0

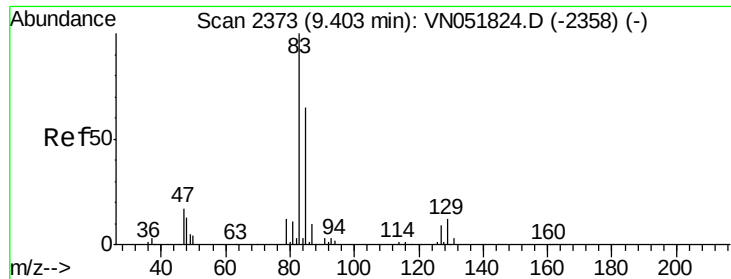


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.271 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

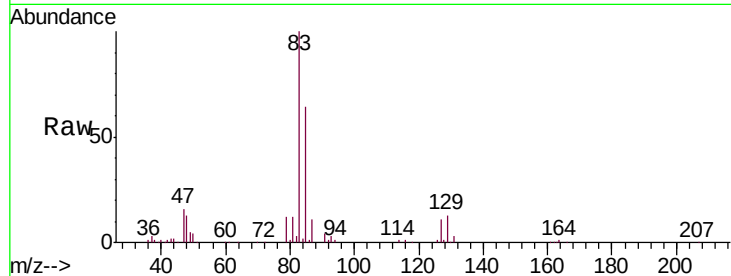
Tgt Ion: 83 Resp: 179044

Ion Ratio Lower Upper

83 100

85 63.7 55.7 83.5

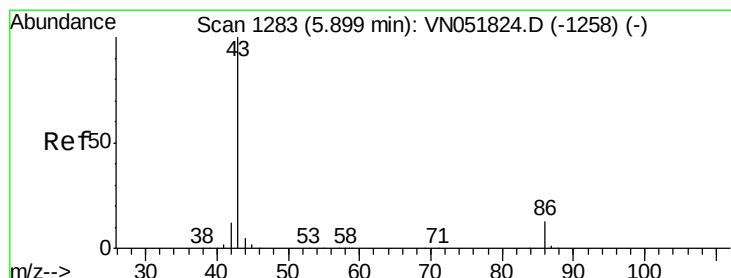
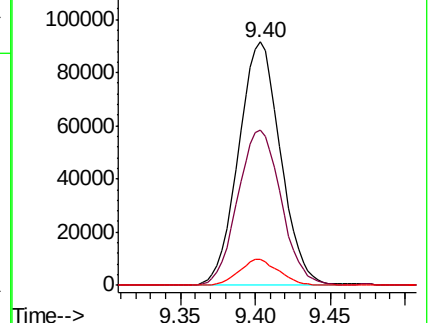
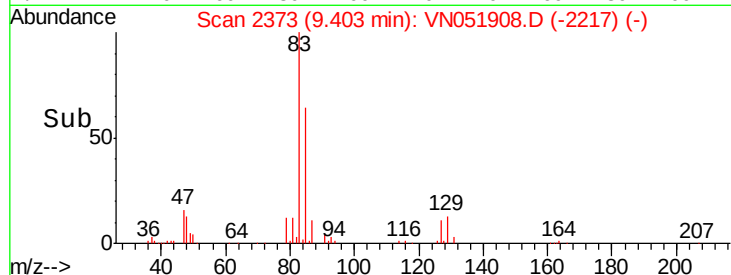
127 10.6 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051908.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051908.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051908.D (-2217) (-)



#42

Vinyl Acetate

Concen: 87.590 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051908.D

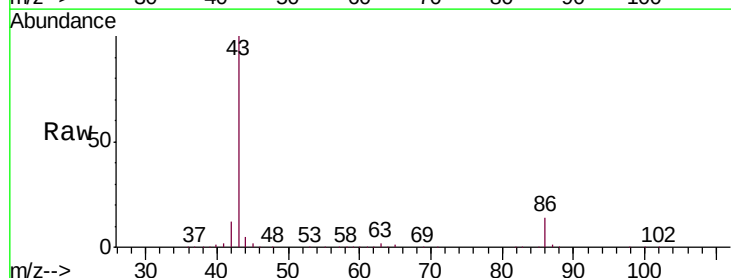
Acq: 18 Oct 2018 11:19

Tgt Ion: 43 Resp: 945708

Ion Ratio Lower Upper

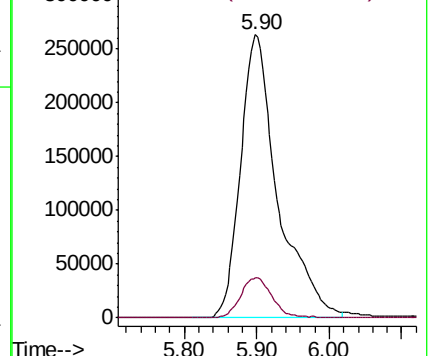
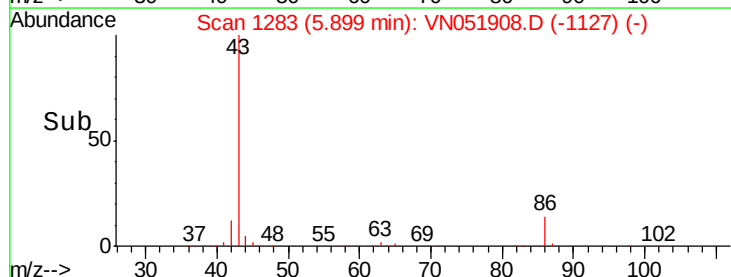
43 100

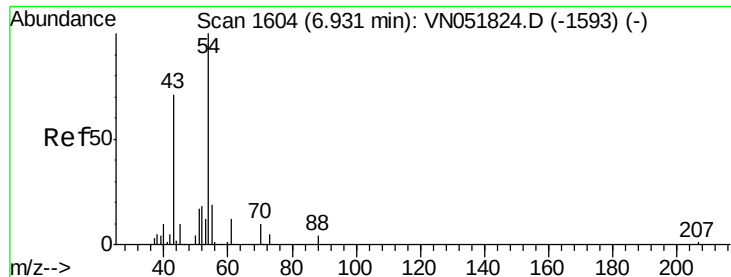
86 11.8 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051908.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN051908.D (-1127) (-)

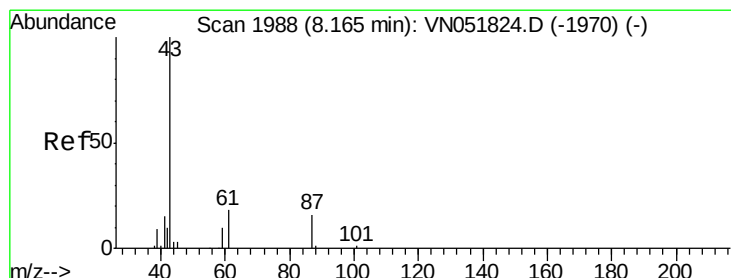
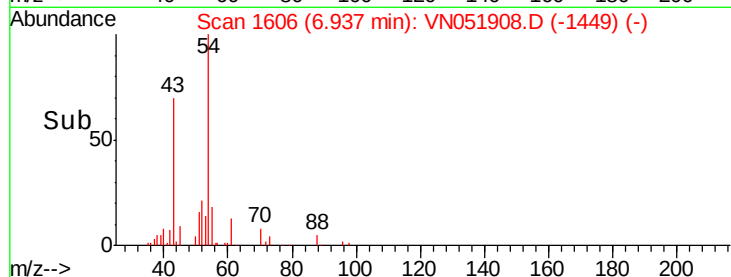
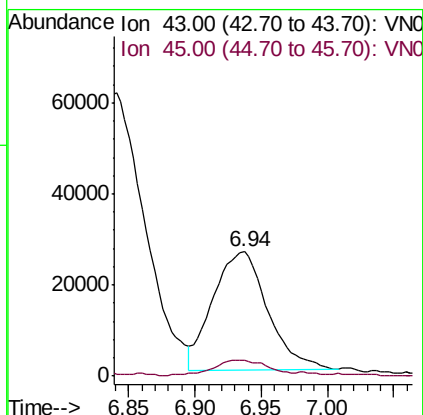
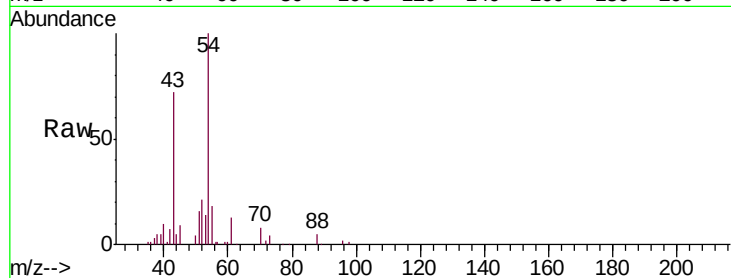




#43
Ethyl Acetate
Concen: 17.978 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

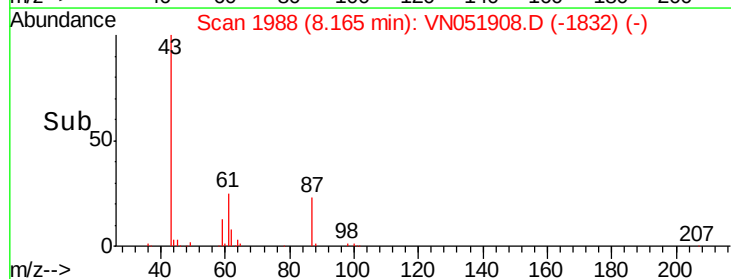
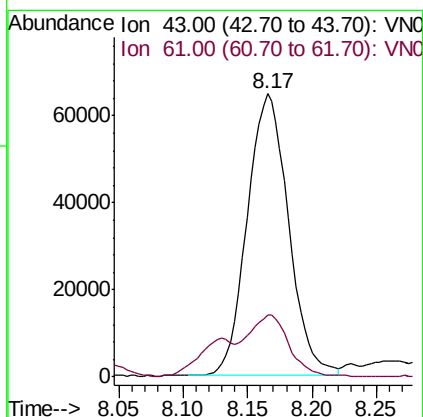
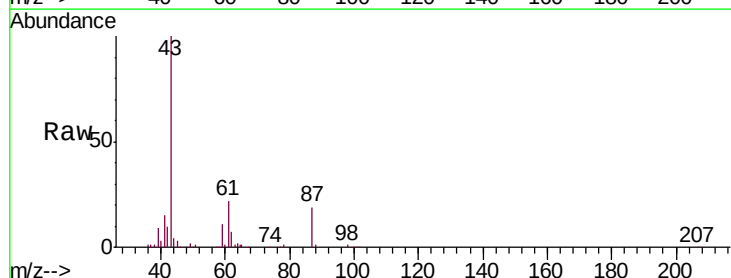
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

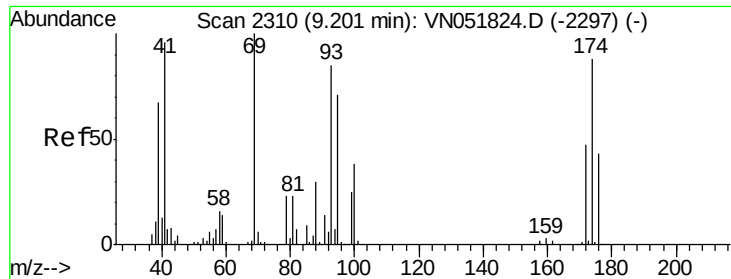
Tgt Ion: 43 Resp: 74873
Ion Ratio Lower Upper
43 100
45 12.8 11.0 16.6



#44
Isopropyl Acetate
Concen: 17.377 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion: 43 Resp: 144550
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9





#45

1,4-Dioxane

Concen: 382.523 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

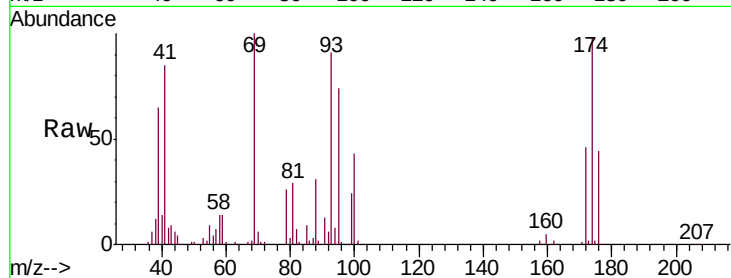
Tgt Ion: 88 Resp: 25550

Ion Ratio Lower Upper

88 100

43 25.7 26.2 39.2#

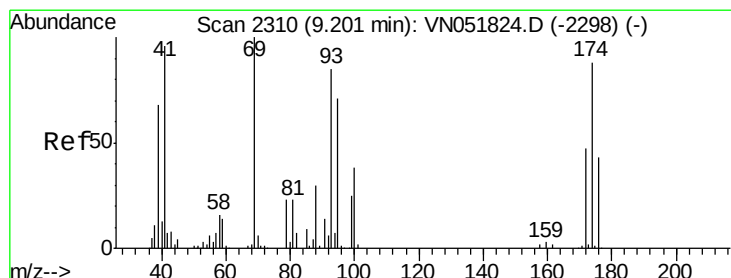
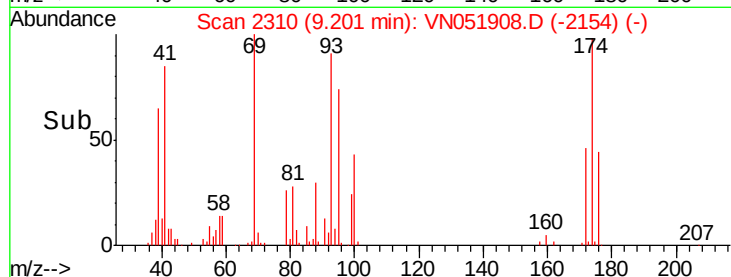
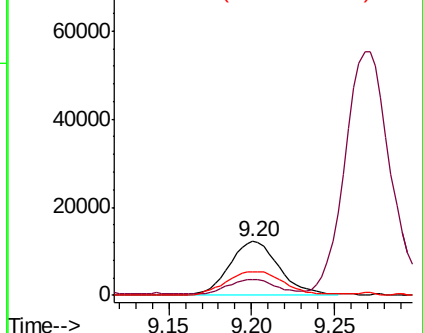
58 50.6 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051908.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN051908.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN051908.D (-2154) (-)



#46

Methyl methacrylate

Concen: 17.540 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

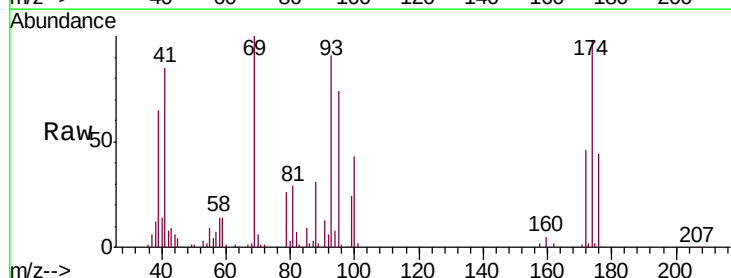
Tgt Ion: 41 Resp: 67301

Ion Ratio Lower Upper

41 100

69 118.4 40.7 122.1

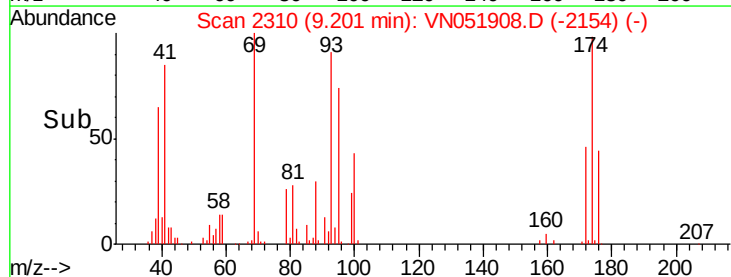
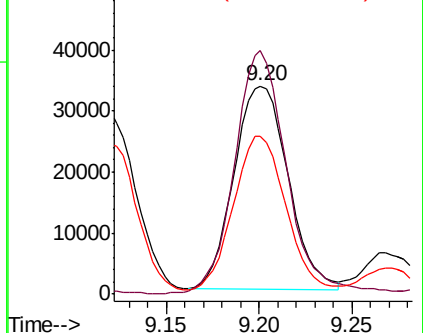
39 75.9 27.3 81.9

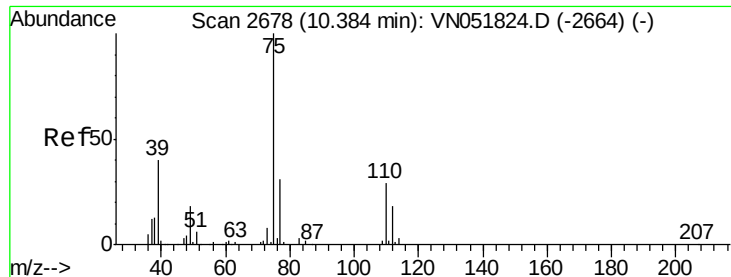


Abundance Ion 41.00 (40.70 to 41.70): VN051908.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN051908.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN051908.D (-2154) (-)





#48

t-1,3-Dichloropropene

Concen: 16.976 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

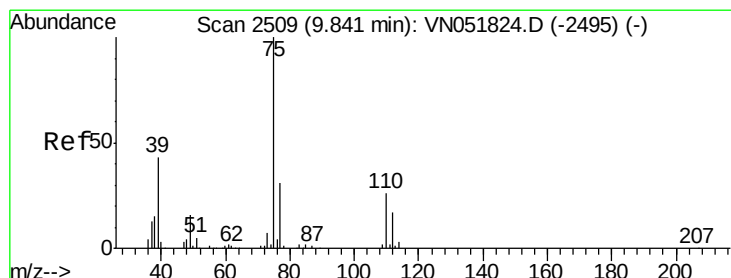
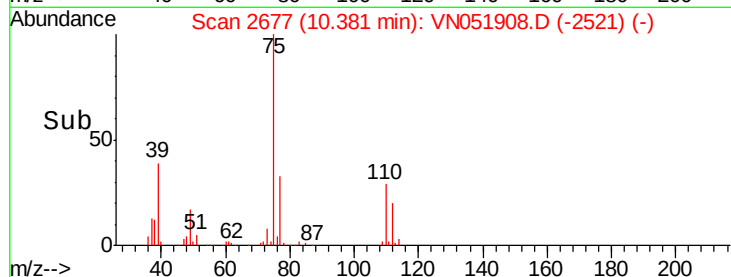
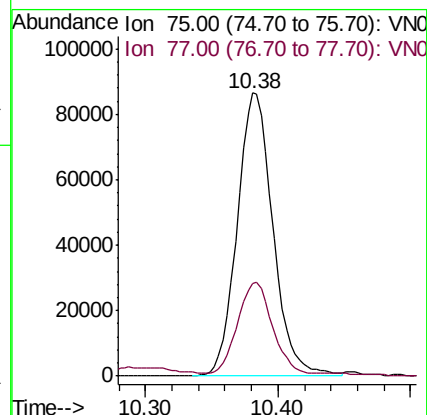
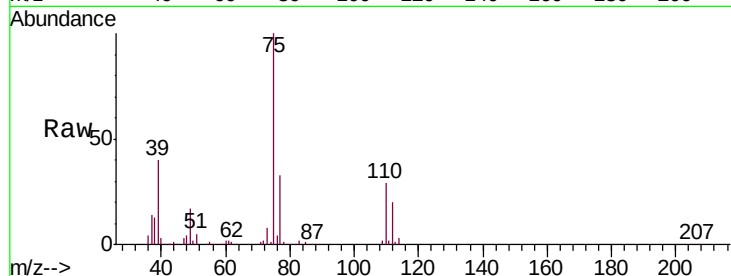
VSTDCCC020

Tgt Ion: 75 Resp: 162227

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 17.785 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

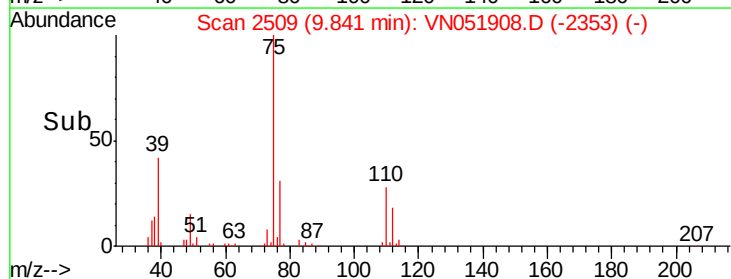
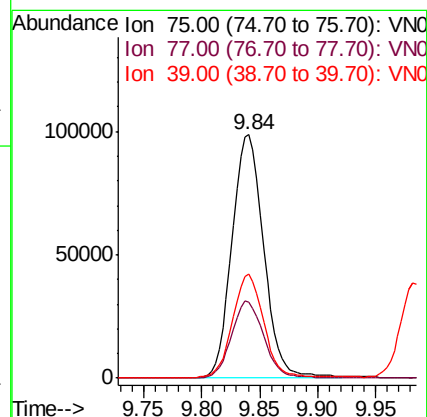
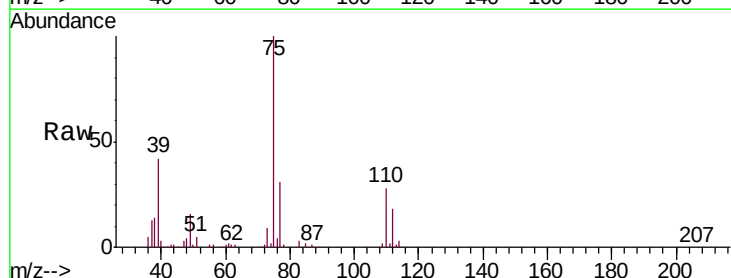
Tgt Ion: 75 Resp: 187360

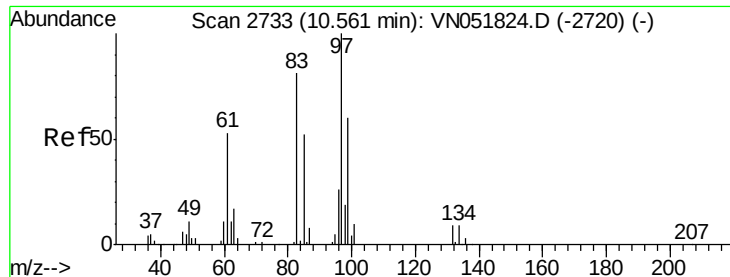
Ion Ratio Lower Upper

75 100

77 31.1 23.2 34.8

39 42.3 34.6 52.0

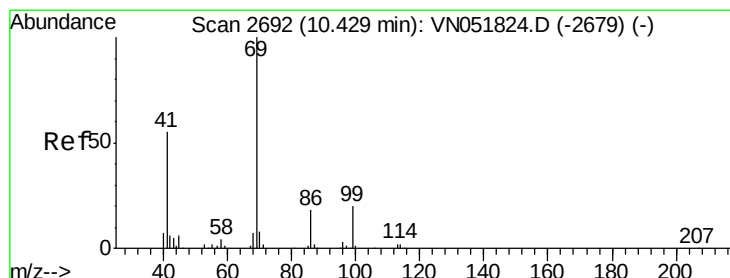
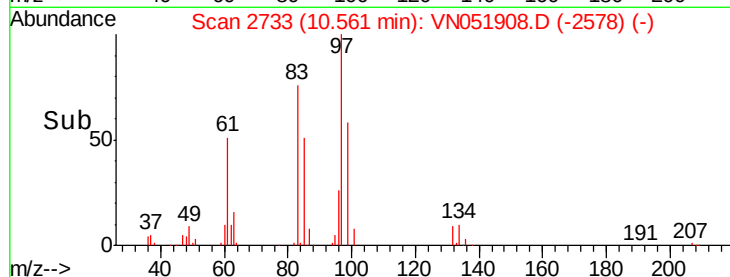
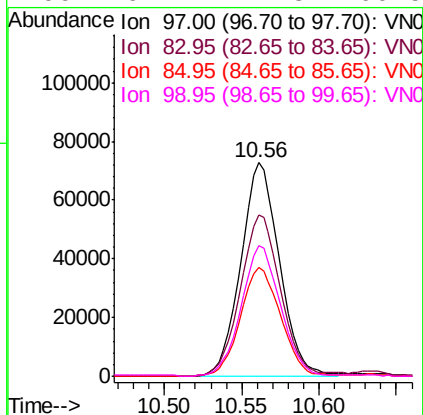
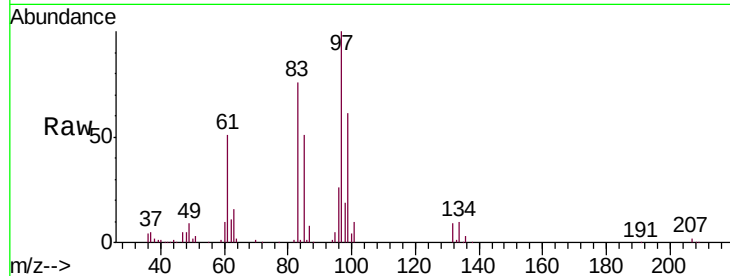




#50
 1,1,2-Trichloroethane
 Concen: 19.208 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

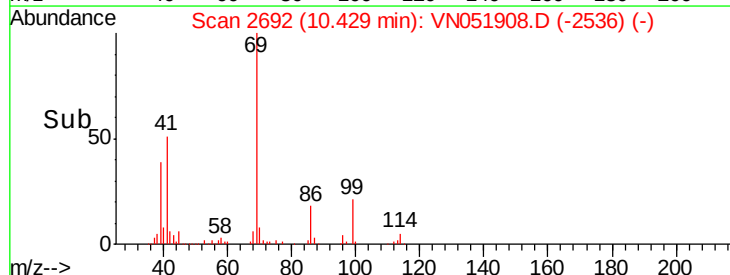
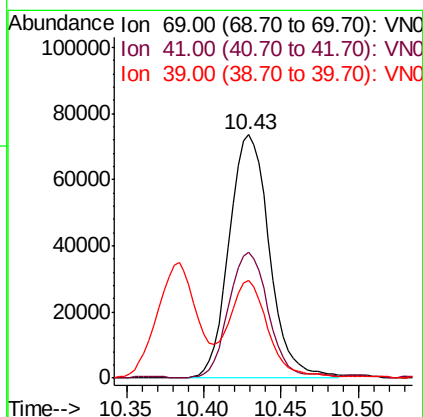
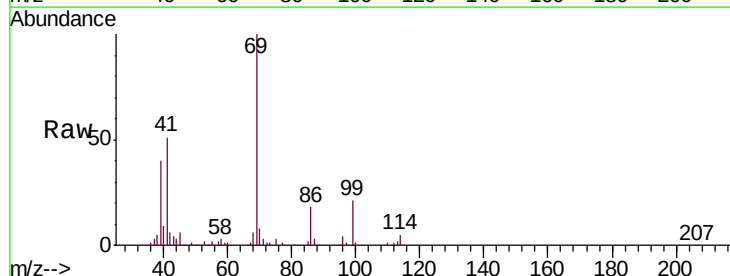
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

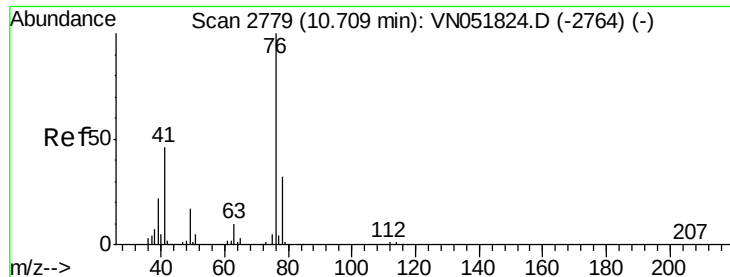
Tgt Ion:	97	Resp:	125910
Ion	Ratio	Lower	Upper
97	100		
83	75.9	68.2	102.4
85	51.2	42.5	63.7
99	61.4	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 17.814 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion:	69	Resp:	133690
Ion	Ratio	Lower	Upper
69	100		
41	51.0	34.4	103.1
39	39.4	16.3	48.8





#52

1,3-Dichloropropane

Concen: 18.263 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

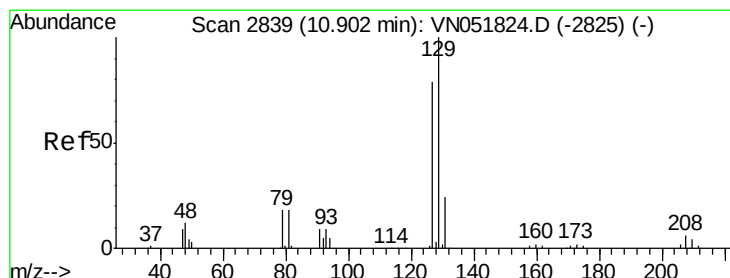
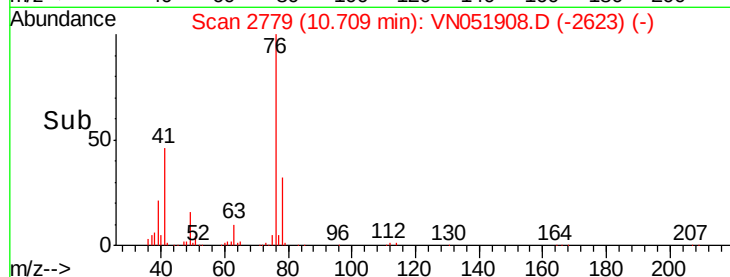
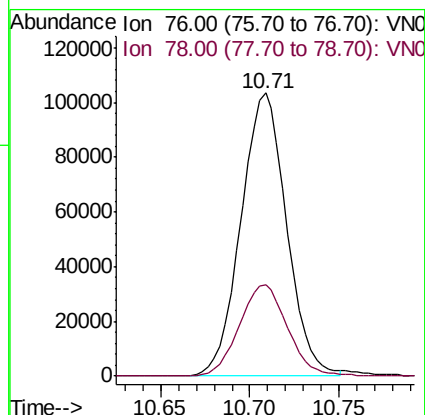
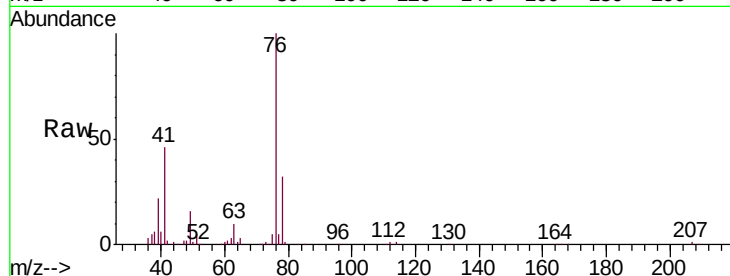
VSTDCCC020

Tgt Ion: 76 Resp: 184770

Ion Ratio Lower Upper

76 100

78 34.1 0.0 67.6



#53

Dibromochloromethane

Concen: 17.422 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051908.D

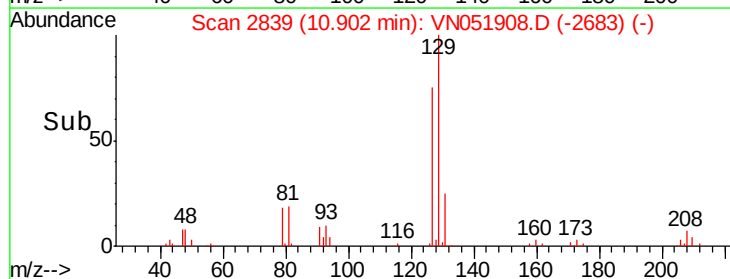
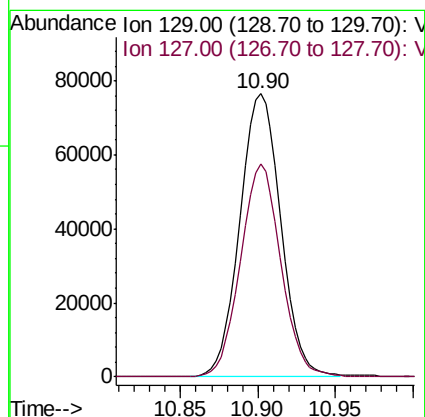
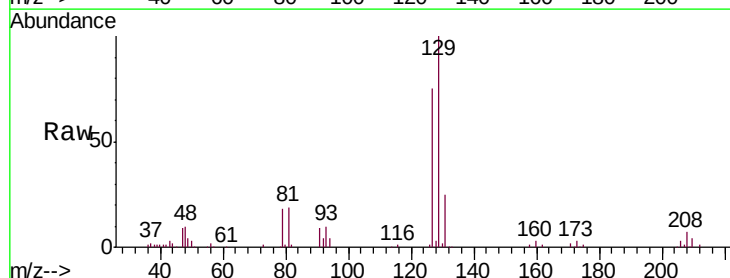
Acq: 18 Oct 2018 11:19

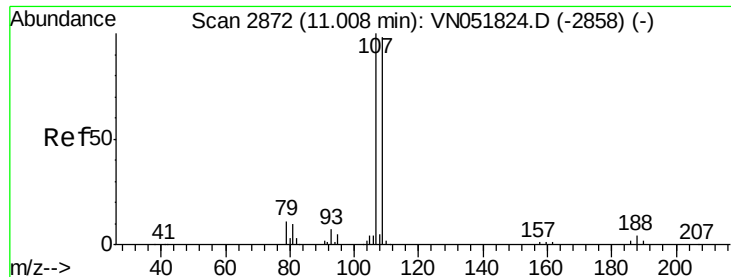
Tgt Ion: 129 Resp: 141278

Ion Ratio Lower Upper

129 100

127 74.0 40.2 120.5

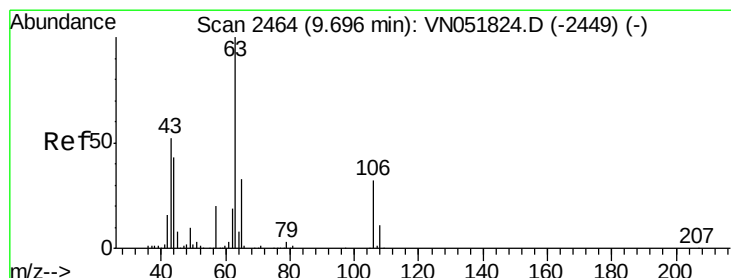
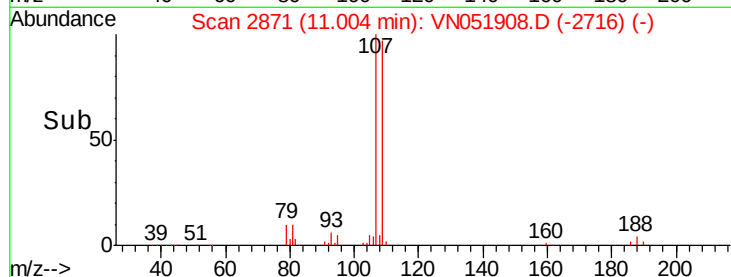
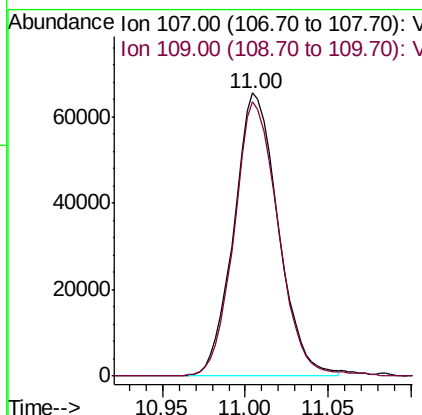
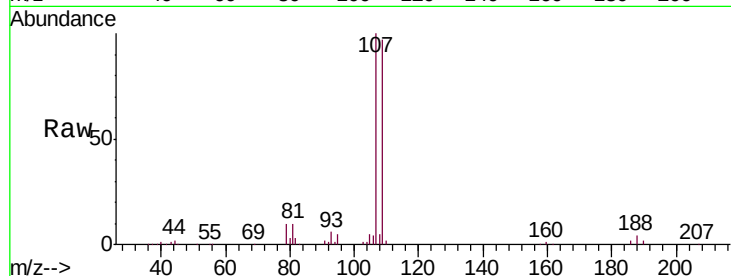




#54
 1,2-Dibromoethane
 Concen: 17.664 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

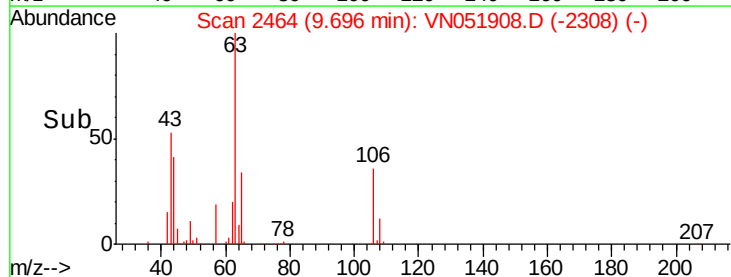
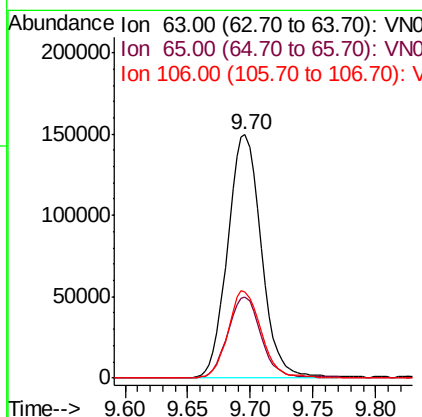
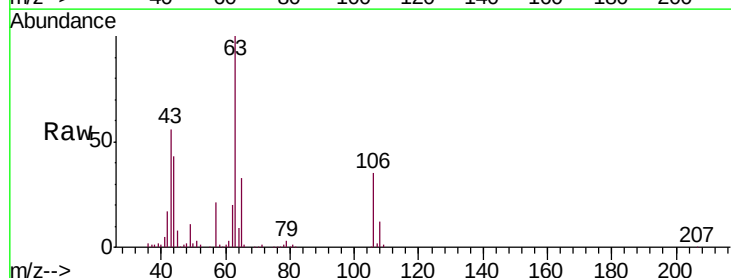
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

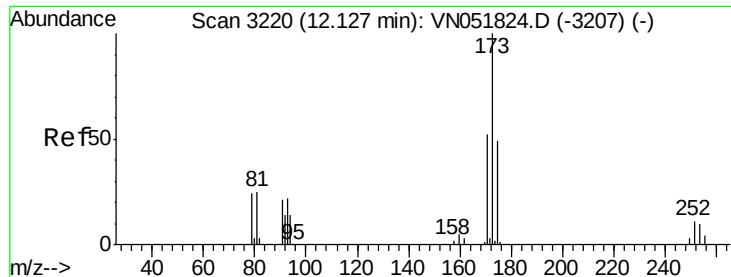
Tgt Ion: 107 Resp: 121541
 Ion Ratio Lower Upper
 107 100
 109 97.2 77.4 116.0



#55
 2-Chloroethyl vinyl ether
 Concen: 87.265 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion: 63 Resp: 279967
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.4 38.0
 106 34.7 21.2 31.8#

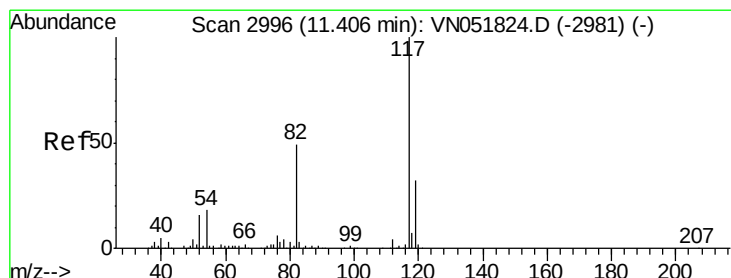
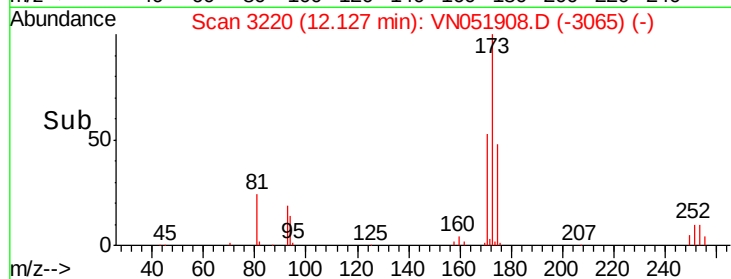
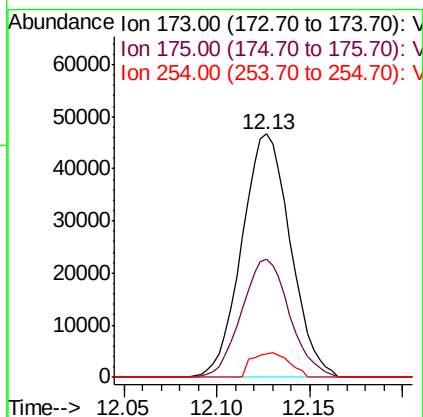
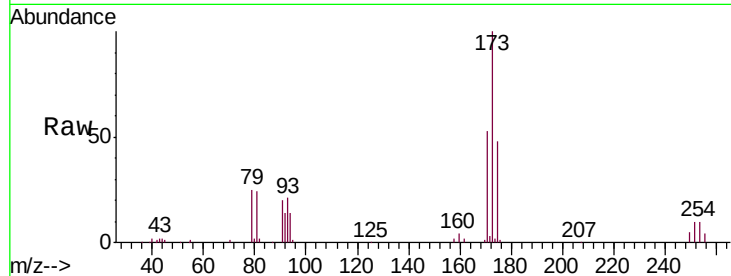




#56
Bromoform
Concen: 15.972 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

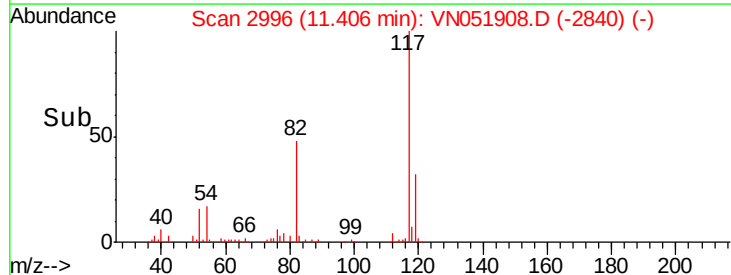
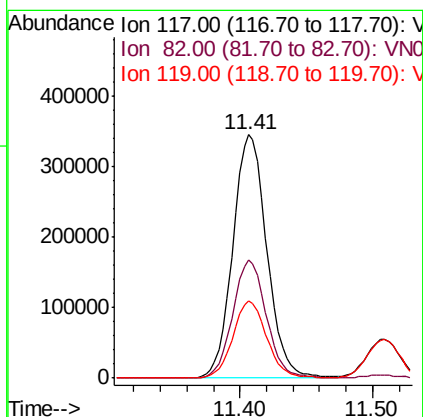
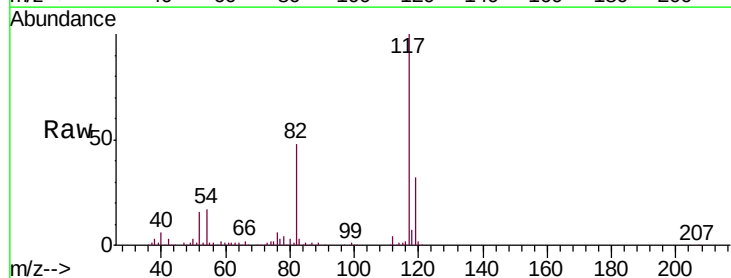
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

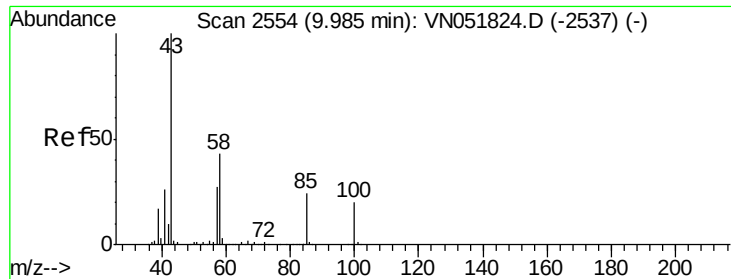
Tgt Ion:173 Resp: 85421
Ion Ratio Lower Upper
173 100
175 48.0 35.8 53.8
254 7.8 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion:117 Resp: 615780
Ion Ratio Lower Upper
117 100
82 48.2 44.1 66.1
119 31.7 25.8 38.8





#58

4-Methyl-2-Pentanone

Concen: 96.134 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

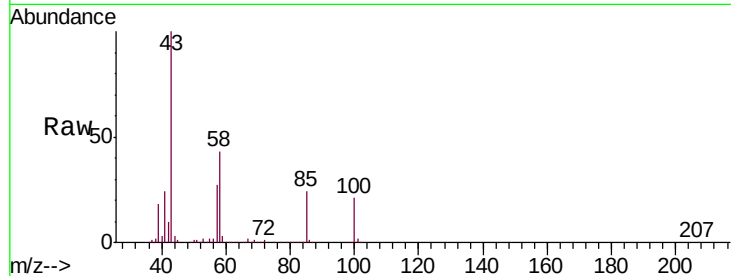
Tgt Ion: 43 Resp: 396145

Ion Ratio Lower Upper

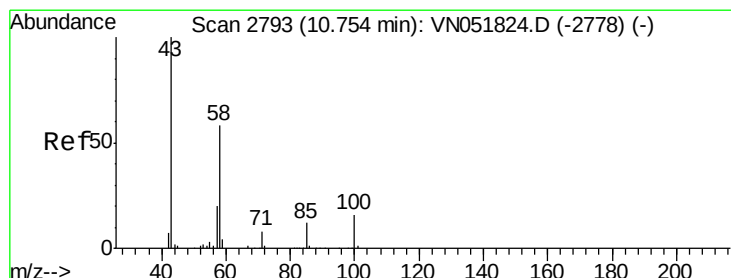
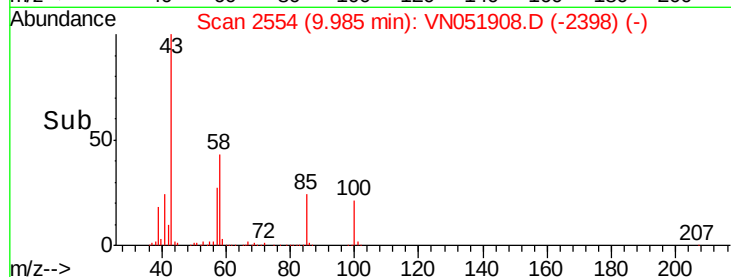
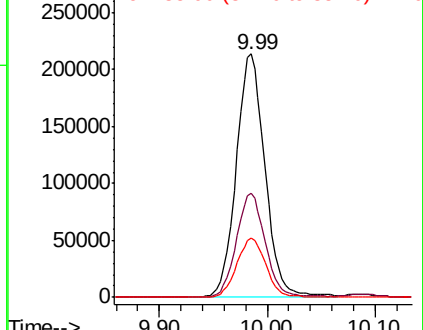
43 100

58 43.1 29.3 43.9

85 24.4 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#59

2-Hexanone

Concen: 93.738 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

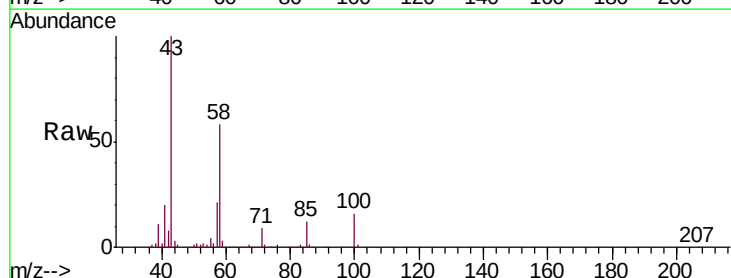
Tgt Ion: 43 Resp: 260595

Ion Ratio Lower Upper

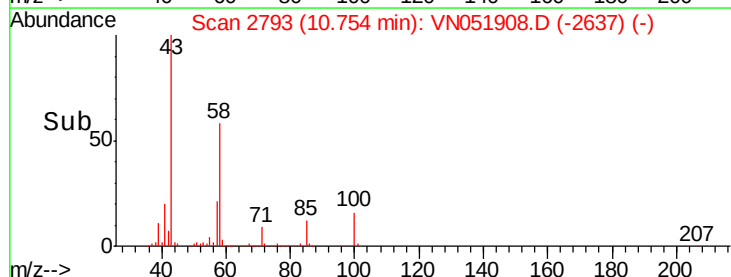
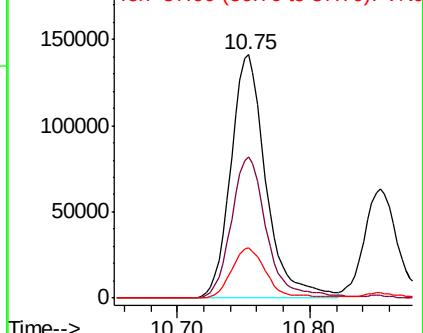
43 100

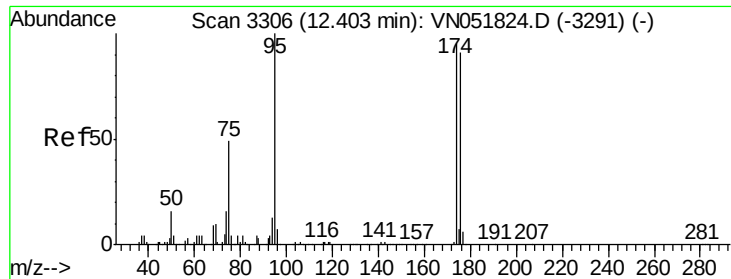
58 58.2 41.3 61.9

57 19.8 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 57.00 (56.70 to 57.70): VNO





#60

4-Bromofluorobenzene

Concen: 93.738 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

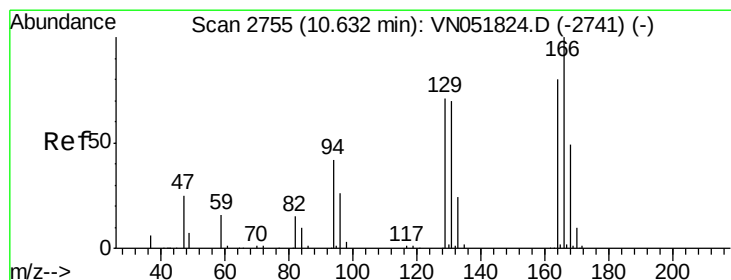
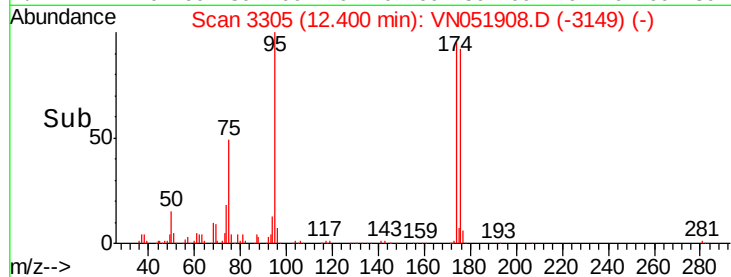
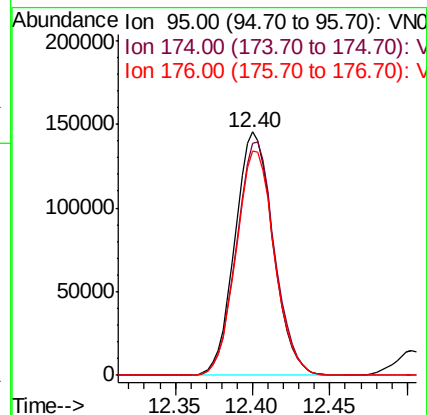
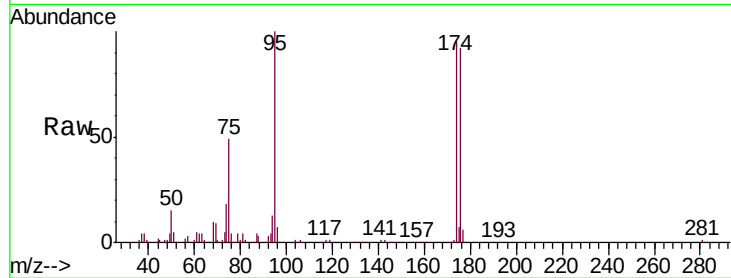
Tgt Ion: 95 Resp: 248746

Ion Ratio Lower Upper

95 100

174 96.2 73.5 110.3

176 92.5 70.2 105.2



#61

Tetrachloroethene

Concen: 20.791 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion: 164 Resp: 163725

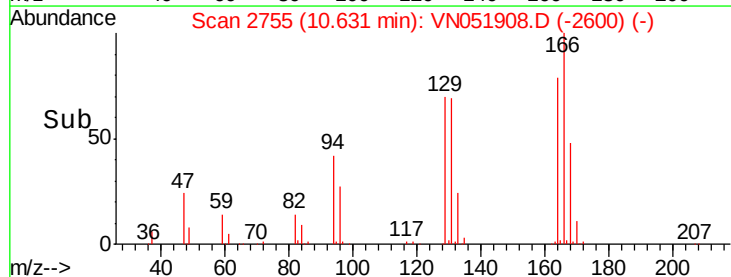
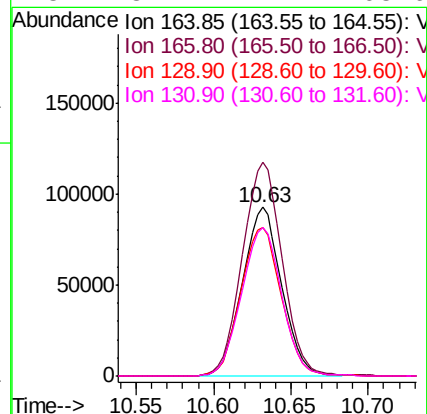
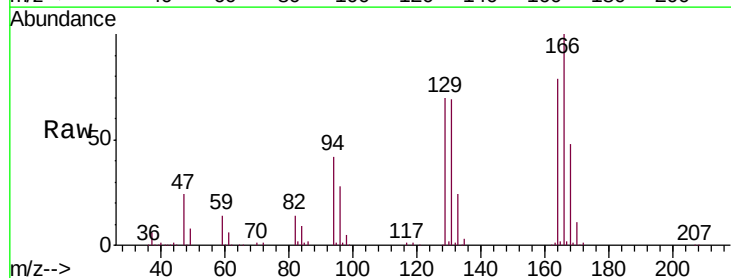
Ion Ratio Lower Upper

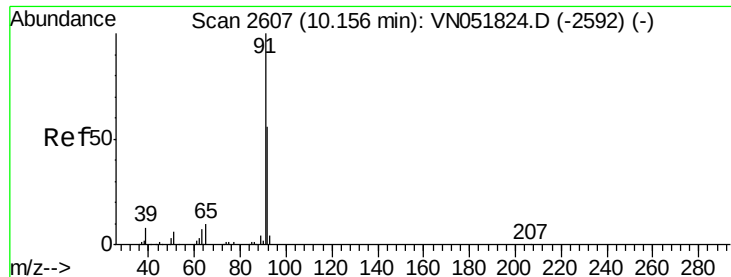
164 100

166 126.3 98.7 148.1

129 88.0 69.6 104.4

131 87.7 72.4 108.6





#62

Toluene

Concen: 19.579 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

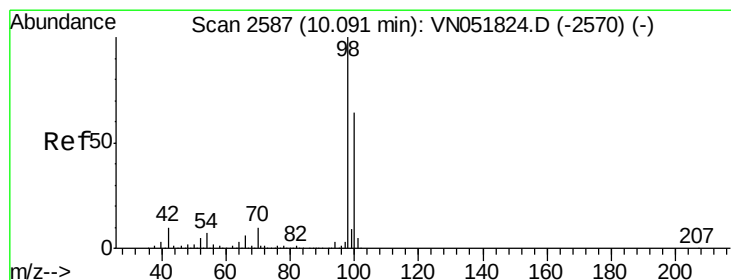
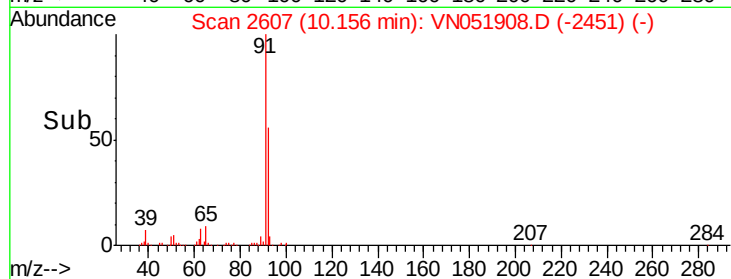
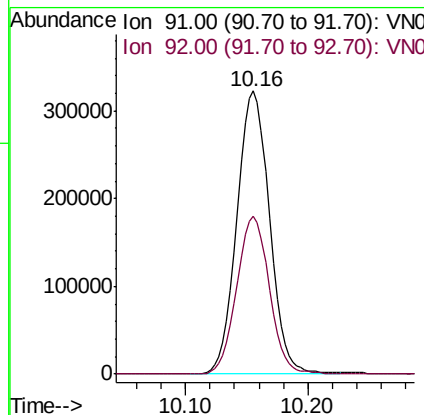
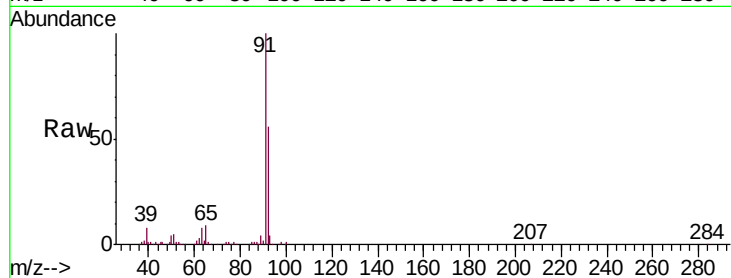
VSTDCCC020

Tgt Ion: 91 Resp: 598940

Ion Ratio Lower Upper

91 100

92 56.1 44.6 66.8



#63

Toluene-d8

Concen: 19.579 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051908.D

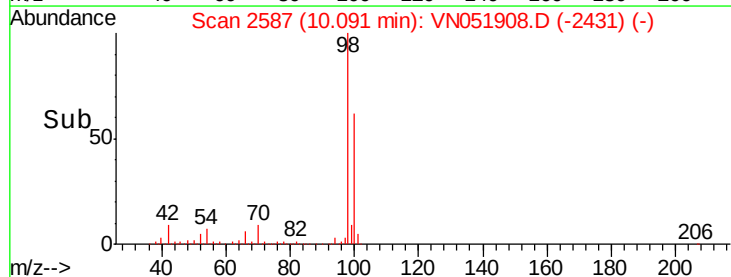
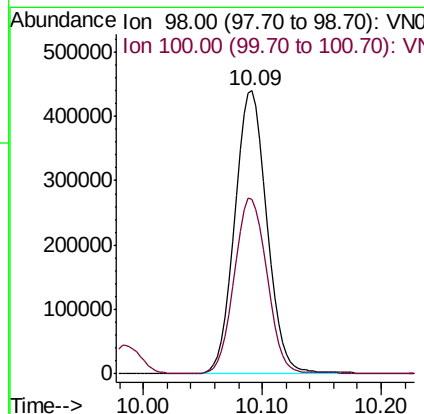
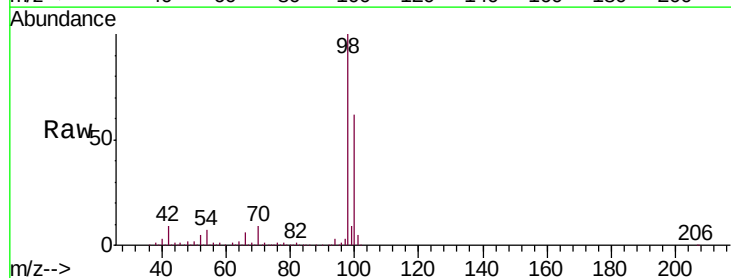
Acq: 18 Oct 2018 11:19

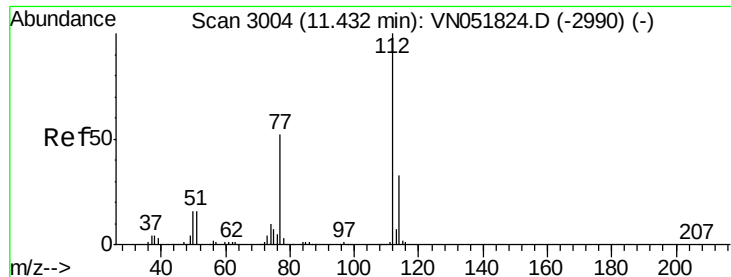
Tgt Ion: 98 Resp: 827223

Ion Ratio Lower Upper

98 100

100 62.4 50.8 76.2

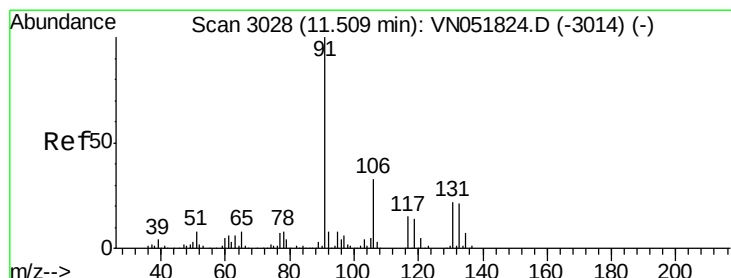
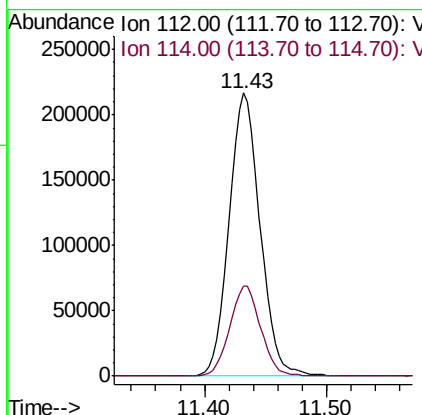
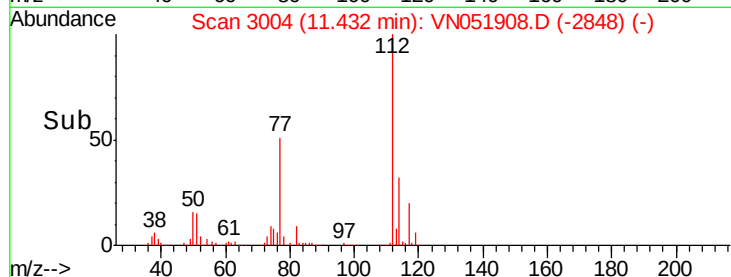
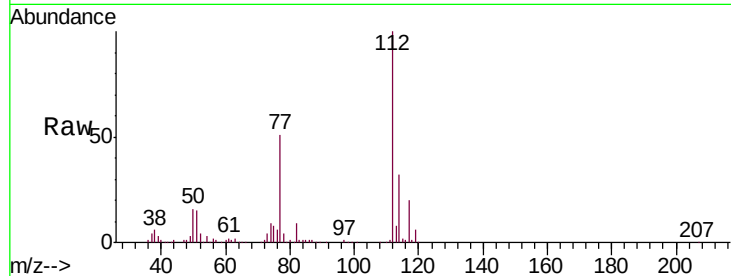




#64
Chlorobenzene
Concen: 19.183 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

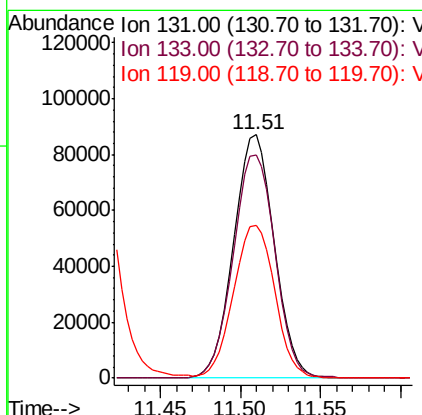
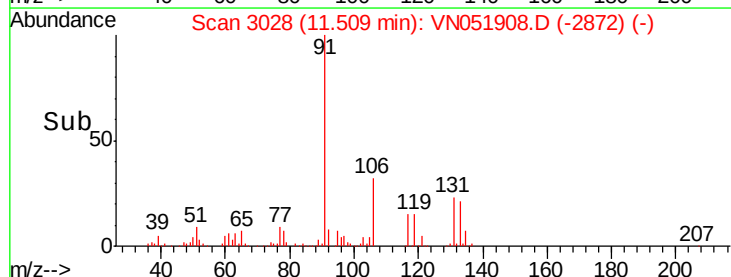
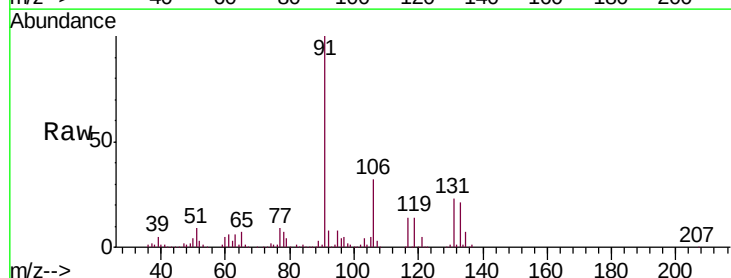
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

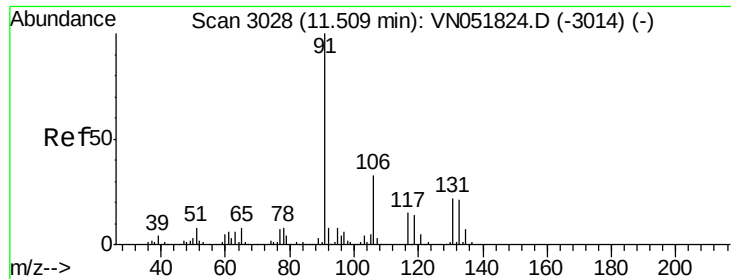
Tgt Ion:112 Resp: 384325
Ion Ratio Lower Upper
112 100
114 31.7 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 19.614 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion:131 Resp: 150830
Ion Ratio Lower Upper
131 100
133 94.5 0.0 190.4
119 63.9 0.0 128.0





#66

Ethyl Benzene

Concen: 19.086 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

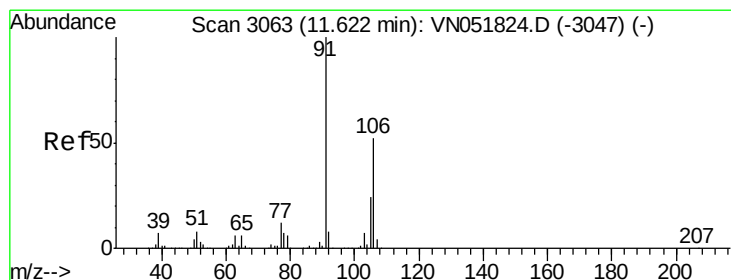
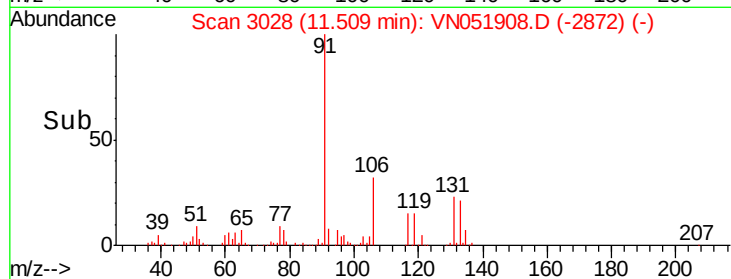
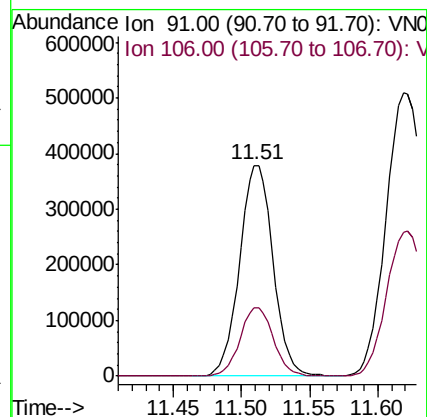
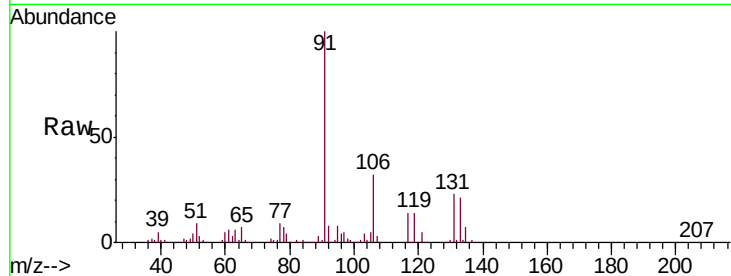
VSTDCCC020

Tgt Ion: 91 Resp: 645290

Ion Ratio Lower Upper

91 100

106 32.5 25.9 38.9



#67

m/p-Xylenes

Concen: 37.614 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051908.D

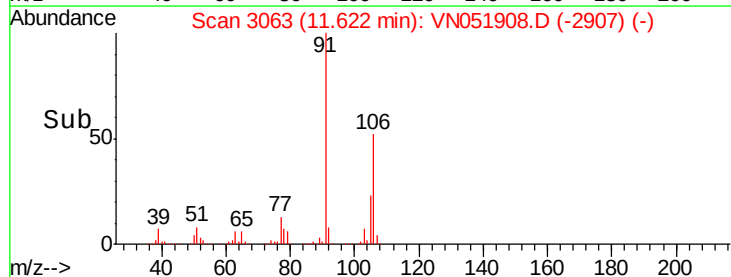
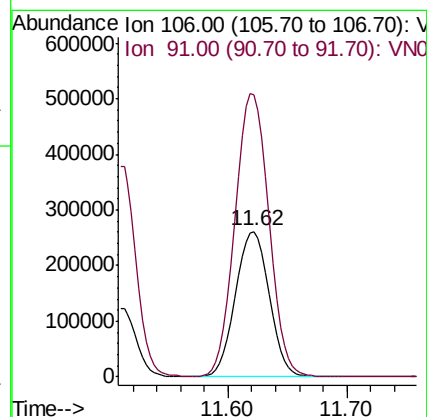
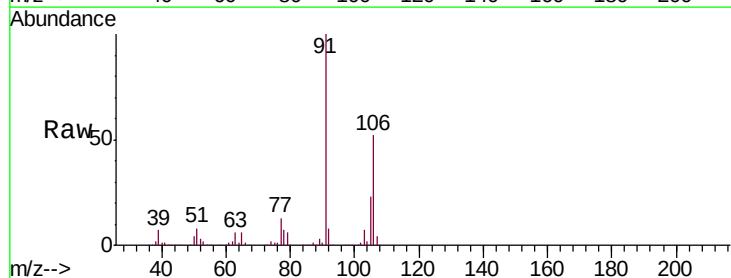
Acq: 18 Oct 2018 11:19

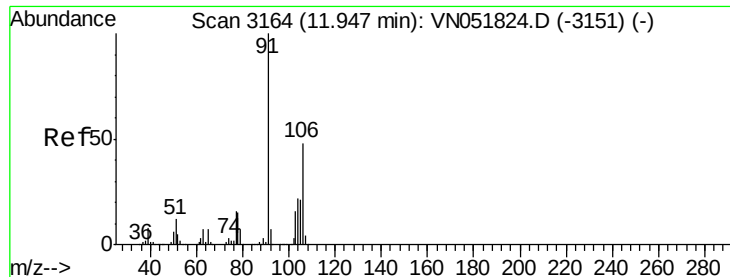
Tgt Ion: 106 Resp: 515569

Ion Ratio Lower Upper

106 100

91 195.1 158.8 238.2

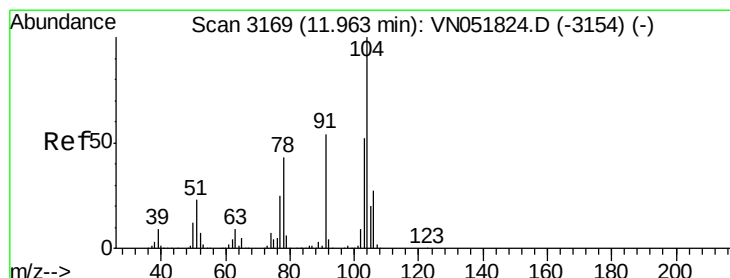
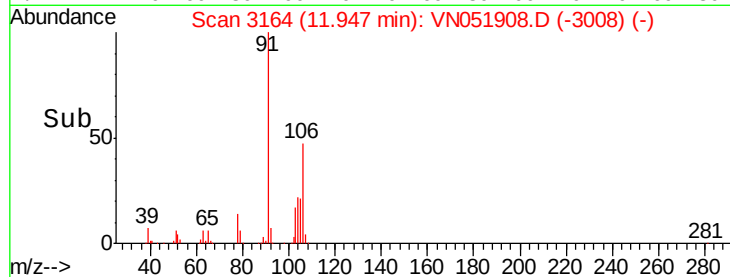
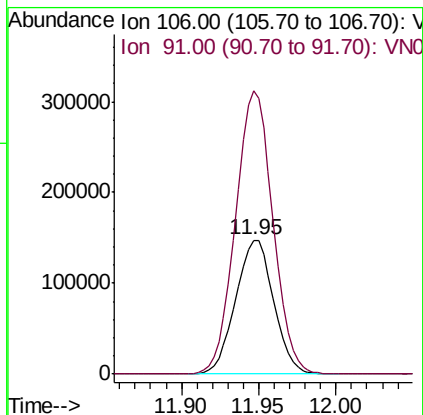
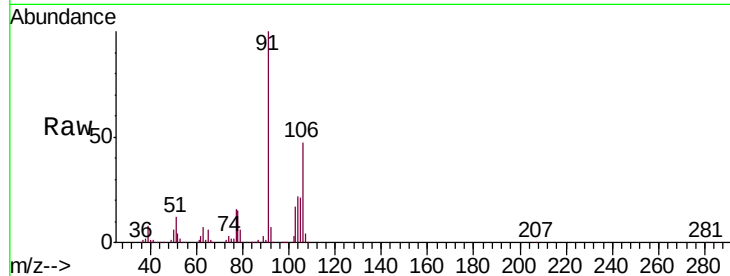




#68
o-Xylene
Concen: 18.716 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

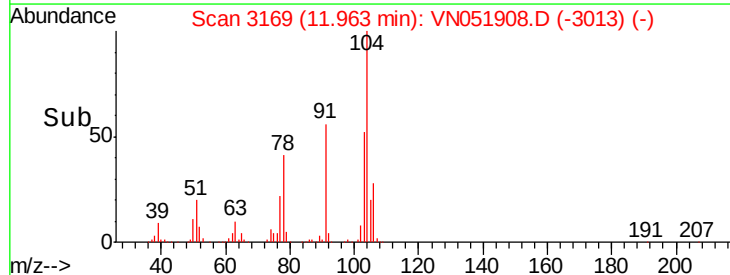
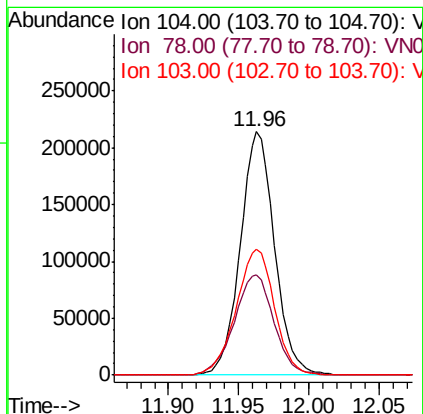
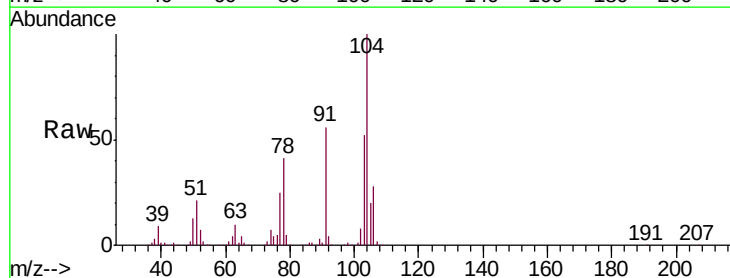
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

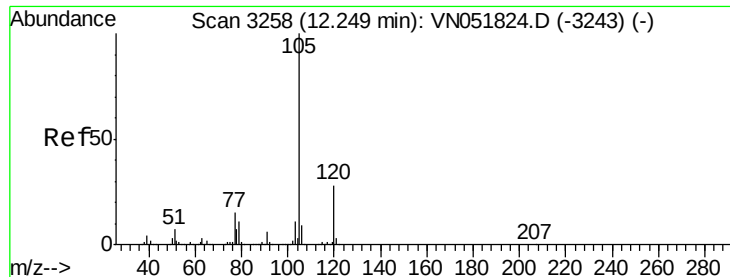
Tgt Ion:106 Resp: 252907
Ion Ratio Lower Upper
106 100
91 206.9 111.1 333.3



#69
Styrene
Concen: 17.610 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051908.D
Acq: 18 Oct 2018 11:19

Tgt Ion:104 Resp: 365104
Ion Ratio Lower Upper
104 100
78 47.7 40.6 60.8
103 57.9 44.0 66.0





#70

Isopropylbenzene

Concen: 19.048 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

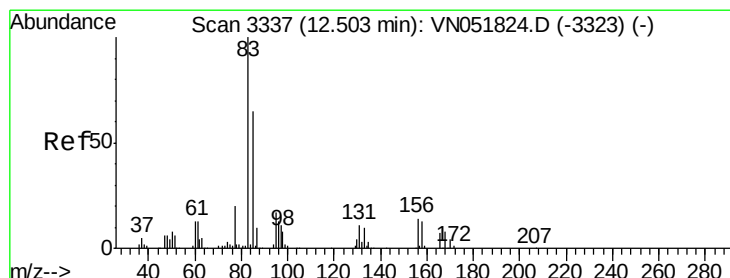
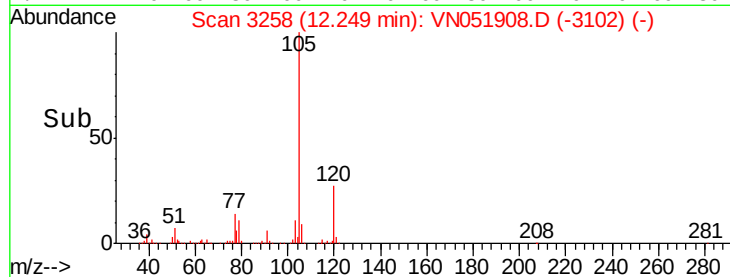
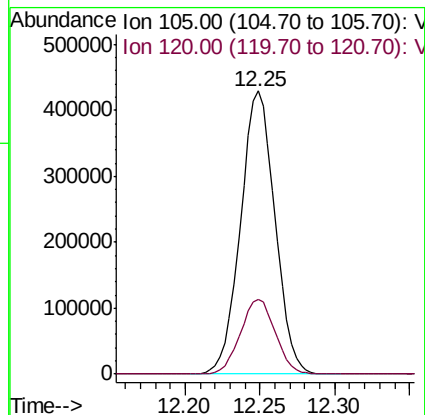
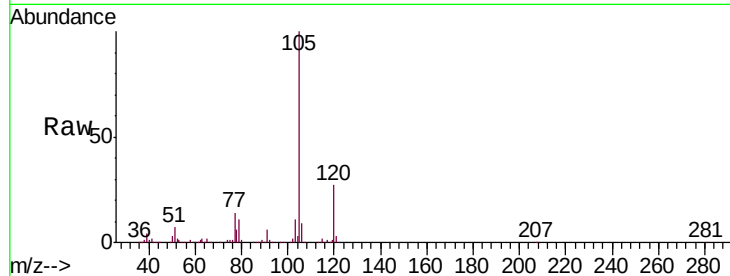
VSTDCCC020

Tgt Ion: 105 Resp: 686376

Ion Ratio Lower Upper

105 100

120 26.9 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 18.822 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

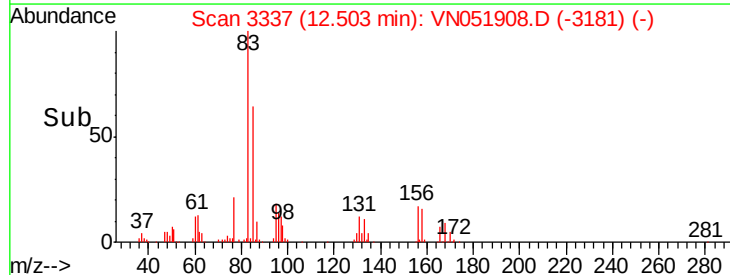
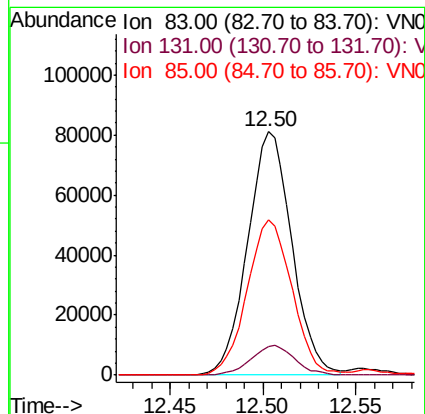
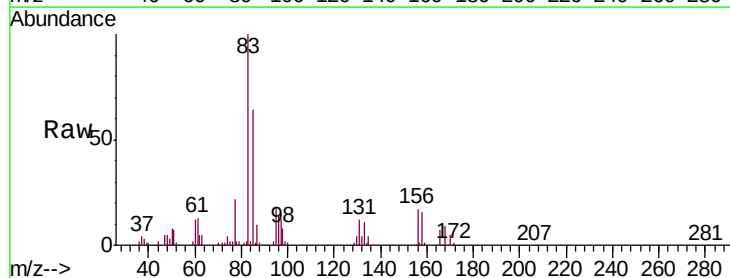
Tgt Ion: 83 Resp: 133941

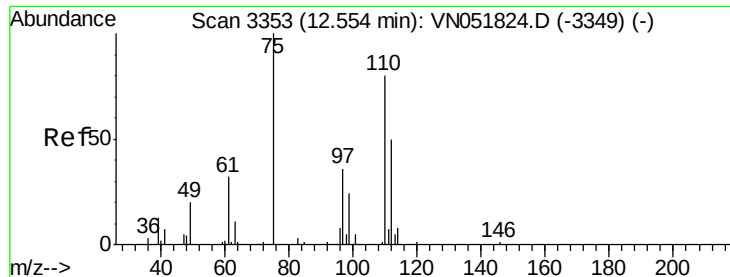
Ion Ratio Lower Upper

83 100

131 11.8 5.5 16.4

85 64.8 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 27.675 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

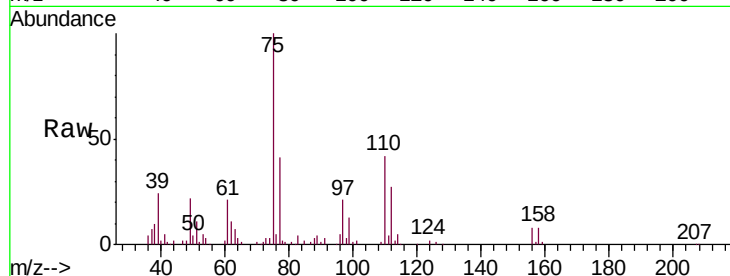
VSTDCCC020

Tgt Ion: 75 Resp: 154932

Ion Ratio Lower Upper

75 100

77 157.1 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3349) (-)

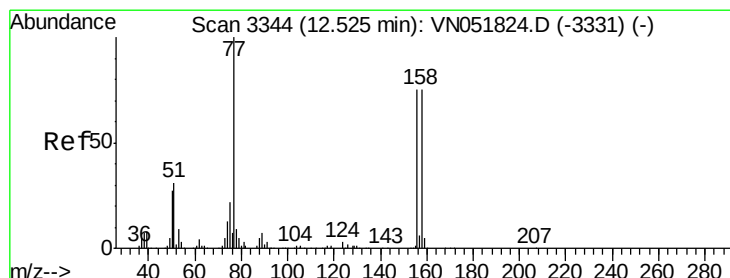
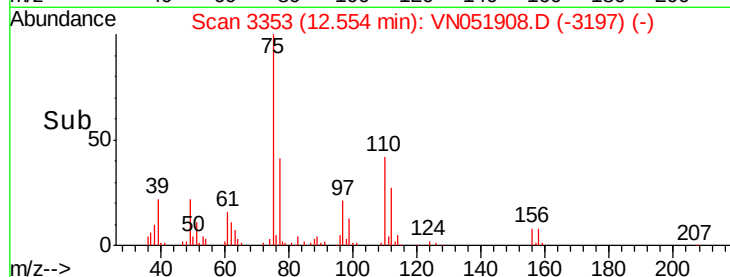
100000

50000

0

12.50 12.55

Time-->



#73

Bromobenzene

Concen: 18.541 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

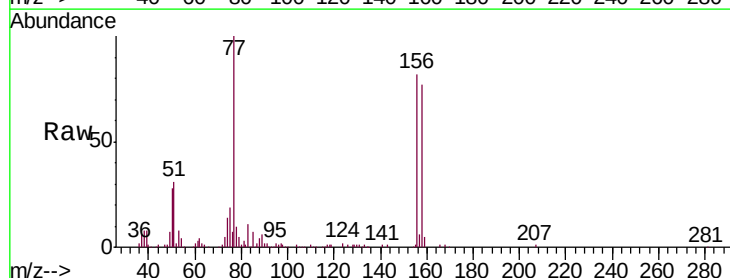
Tgt Ion: 156 Resp: 165486

Ion Ratio Lower Upper

156 100

77 147.1 0.0 377.4

158 95.7 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051824.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051824.D (-3331) (-)

150000

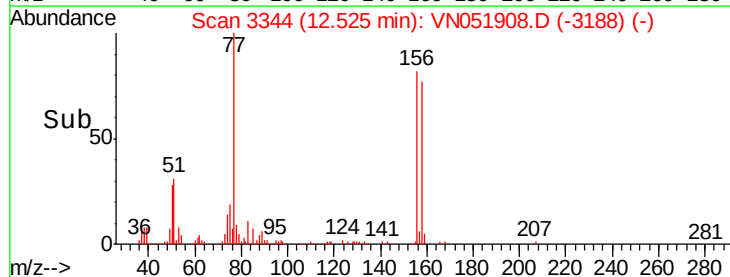
100000

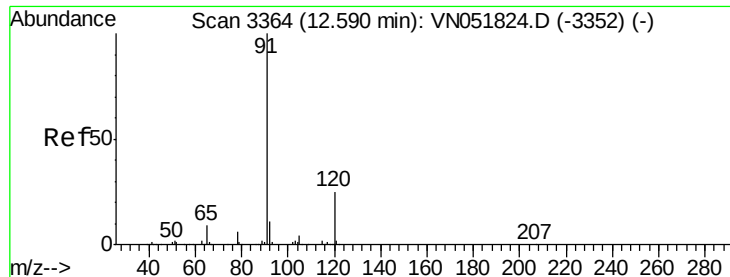
50000

0

12.50 12.53

Time-->





#74

n-propylbenzene

Concen: 18.518 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

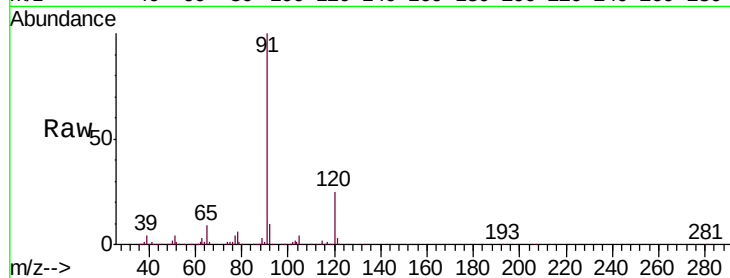
VSTDCCC020

Tgt Ion: 91 Resp: 717755

Ion Ratio Lower Upper

91 100

120 25.0 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

400000

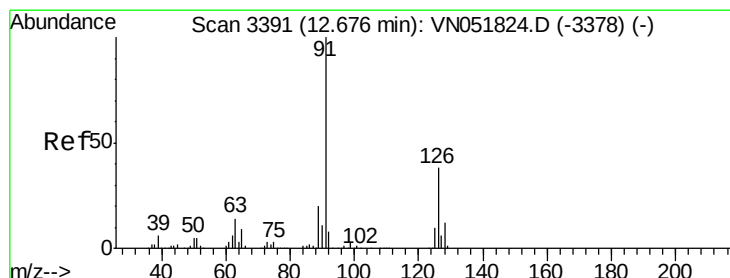
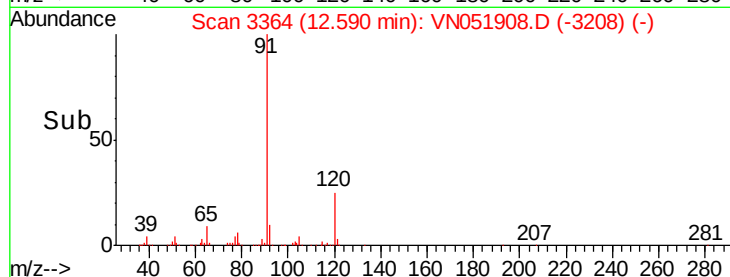
300000

200000

100000

0

Time-->



#75

2-Chlorotoluene

Concen: 18.896 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051908.D

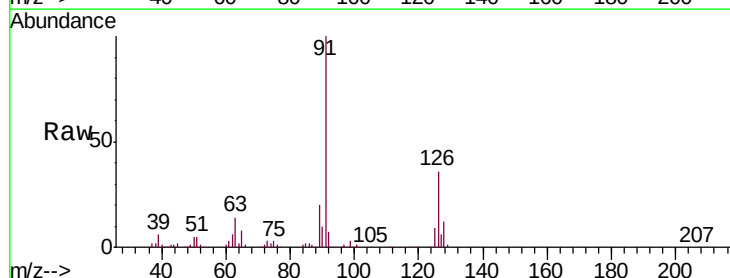
Acq: 18 Oct 2018 11:19

Tgt Ion: 91 Resp: 429377

Ion Ratio Lower Upper

91 100

126 37.3 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

12.67

400000

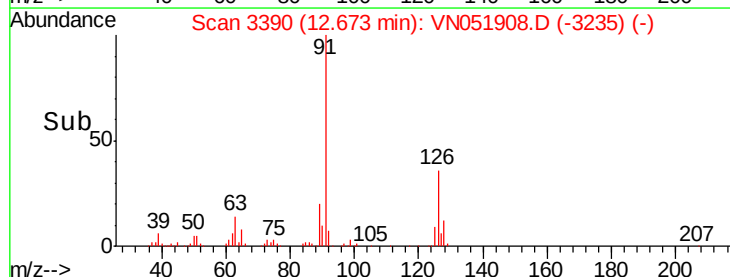
300000

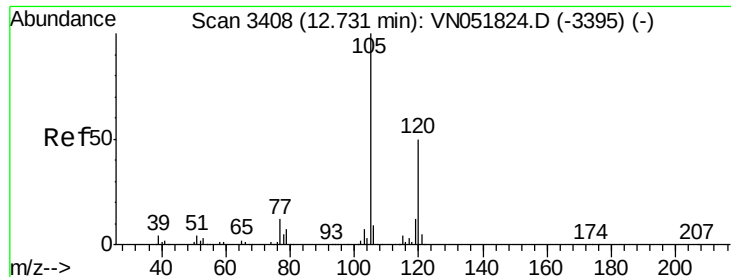
200000

100000

0

Time-->





#76

1,3,5-Trimethylbenzene

Concen: 18.515 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

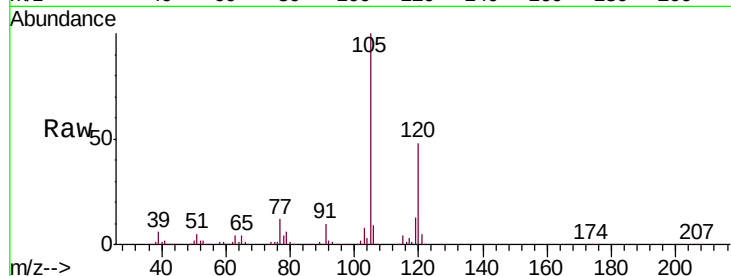
VSTDCCC020

Tgt Ion:105 Resp: 551723

Ion Ratio Lower Upper

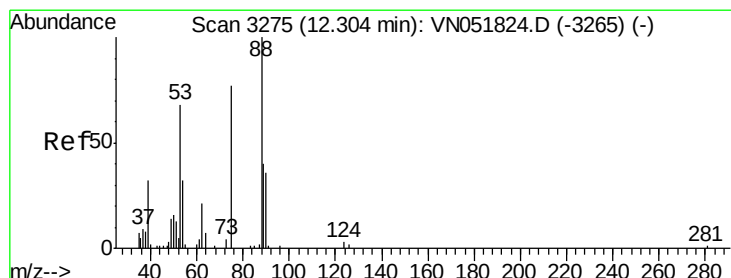
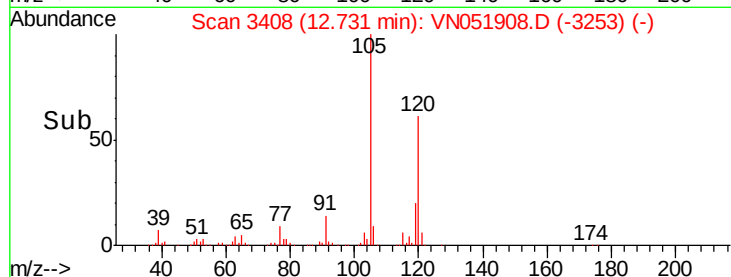
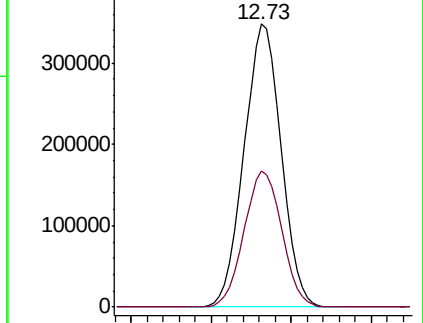
105 100

120 49.1 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 15.155 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

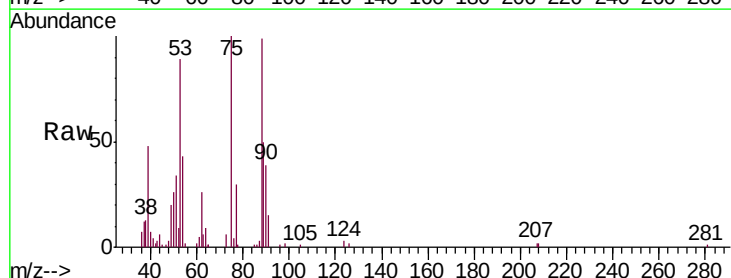
Tgt Ion: 75 Resp: 28059

Ion Ratio Lower Upper

75 100

53 88.8 46.3 138.9

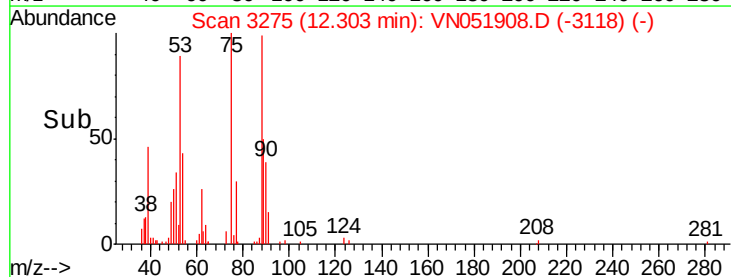
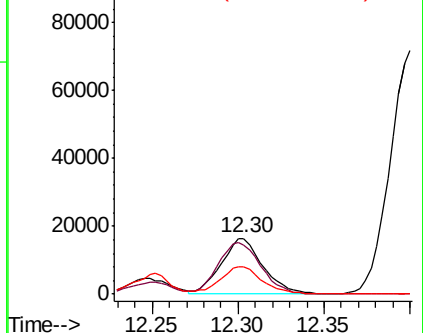
89 49.9 24.6 73.8

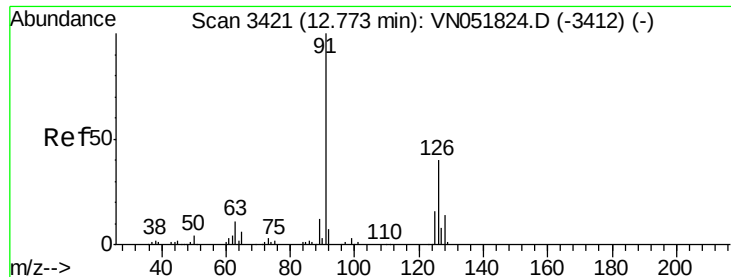


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 17.650 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

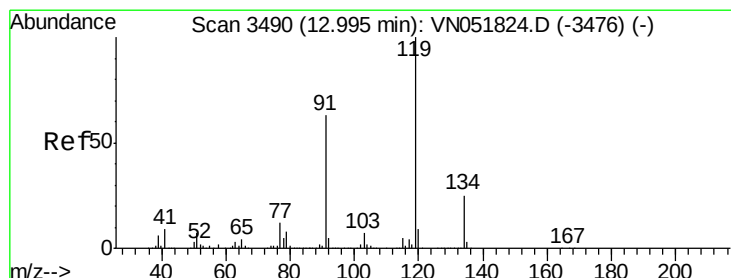
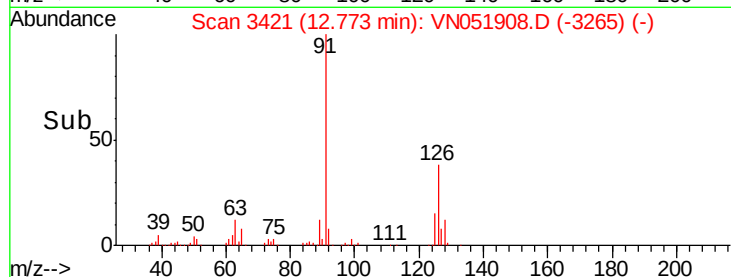
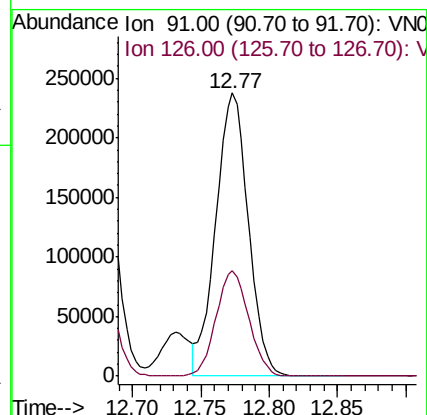
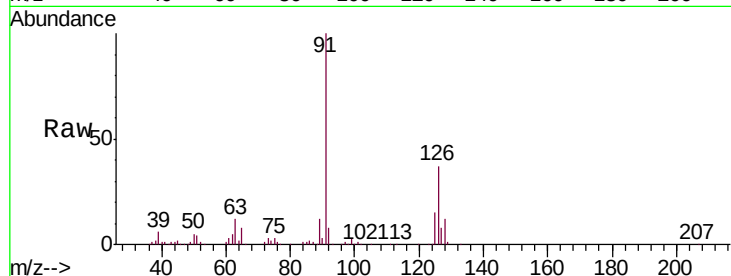
VSTDCCC020

Tgt Ion: 91 Resp: 394052

Ion Ratio Lower Upper

91 100

126 37.3 0.0 65.2



#79

tert-butylbenzene

Concen: 18.804 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

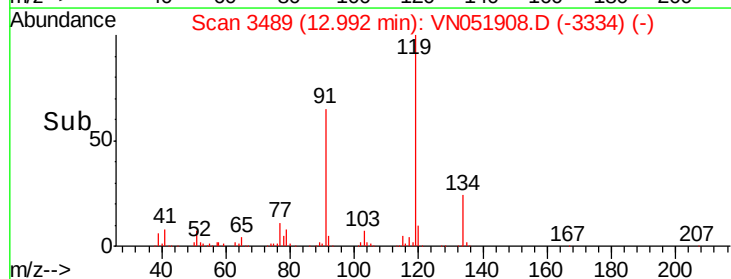
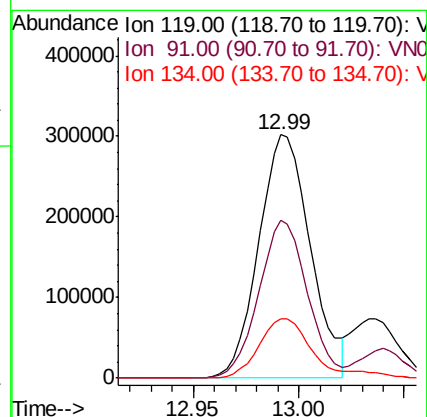
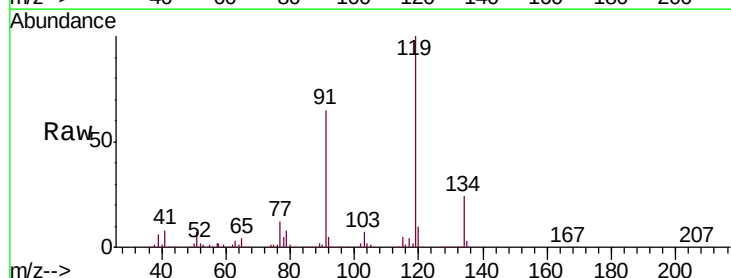
Tgt Ion: 119 Resp: 515285

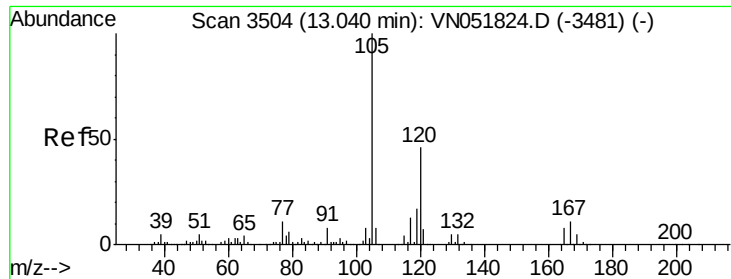
Ion Ratio Lower Upper

119 100

91 60.8 0.0 131.6

134 25.9 0.0 46.2

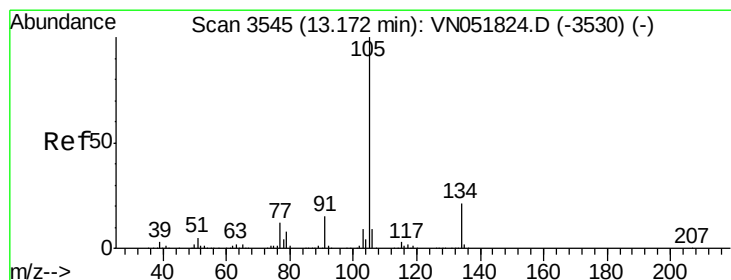
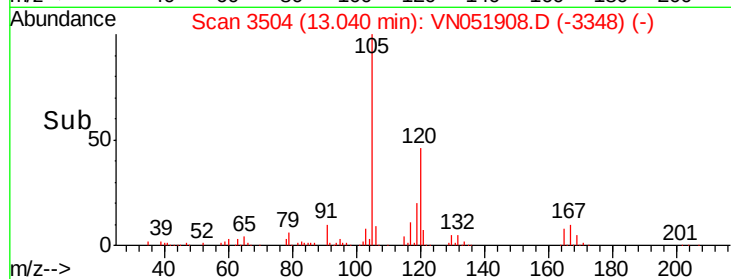
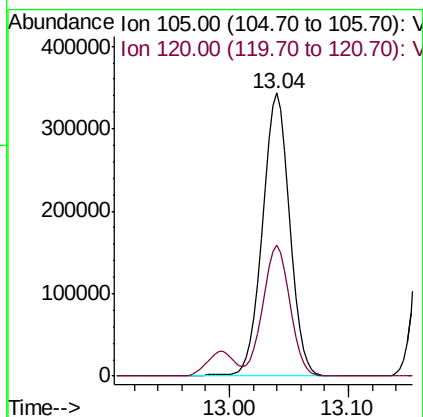
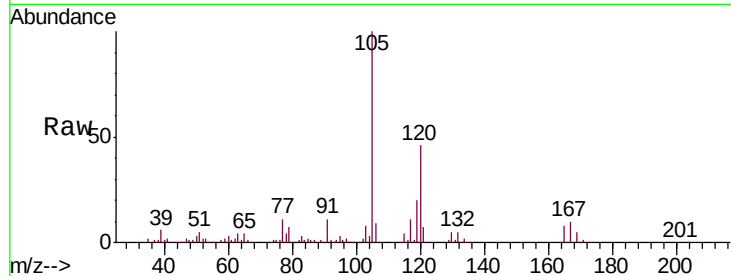




#80
 1,2,4-Trimethylbenzene
 Concen: 18.244 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

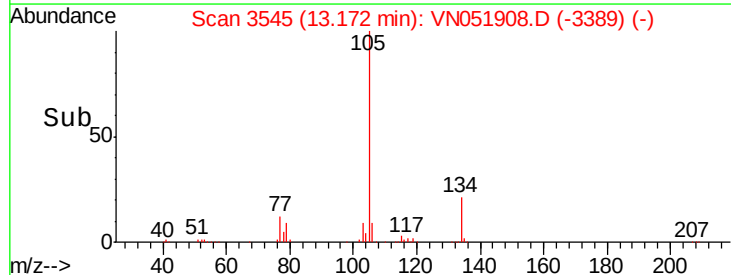
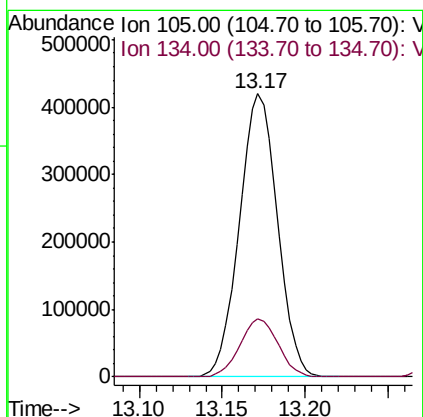
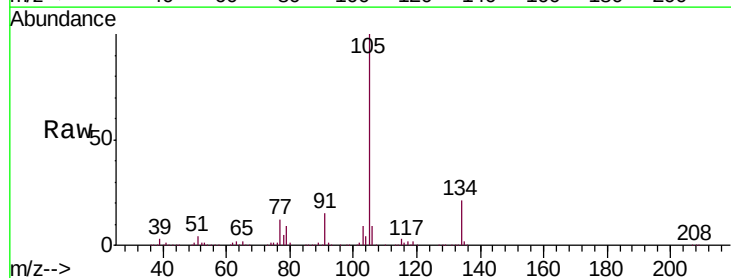
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

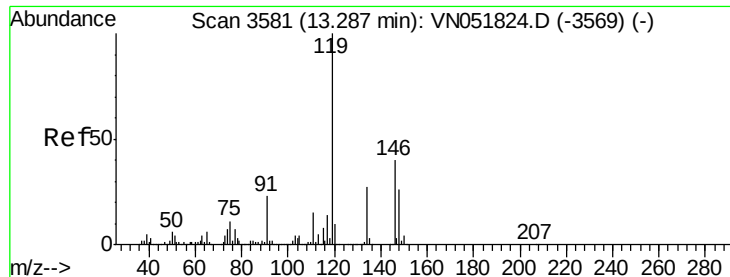
Tgt Ion:105 Resp: 543315
 Ion Ratio Lower Upper
 105 100
 120 46.1 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 18.623 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Tgt Ion:105 Resp: 667598
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.4





#82

p-Isopropyltoluene

Concen: 18.002 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

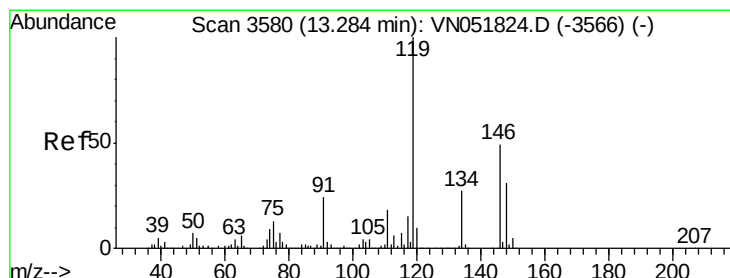
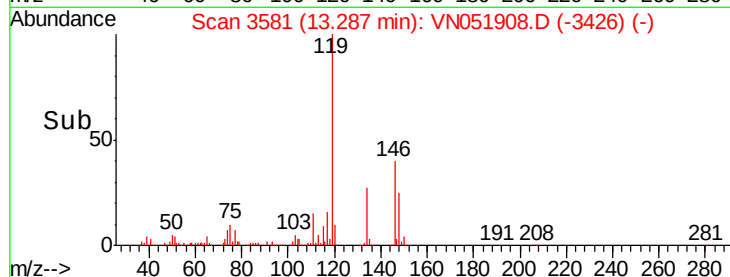
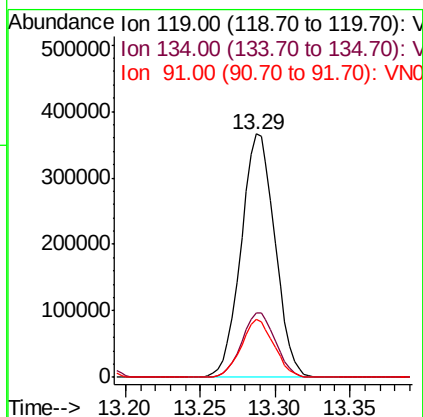
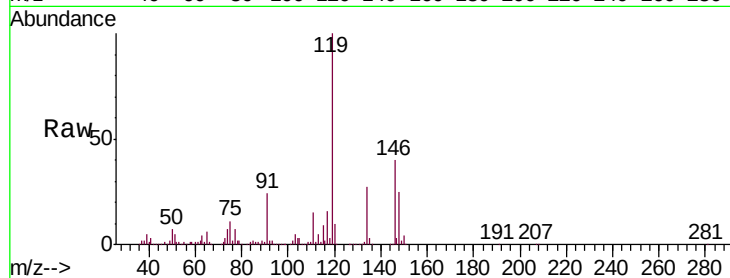
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:	119	Resp:	577459
Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	53.6
91	22.9	0.0	52.0



#83

1,3-Dichlorobenzene

Concen: 16.842 ug/l

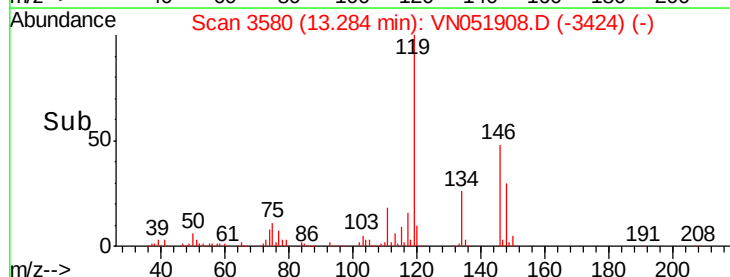
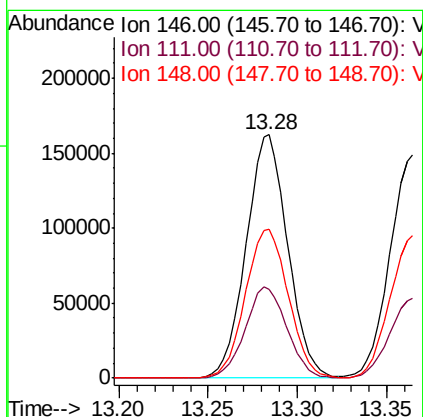
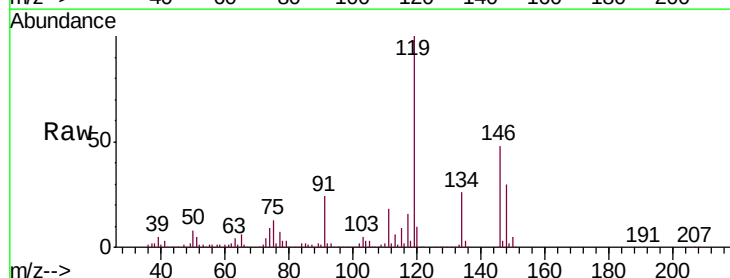
RT: 13.28 min Scan# 3580

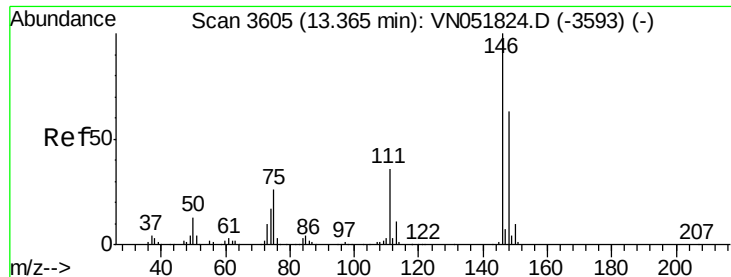
Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Tgt Ion:	146	Resp:	265250
Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.3
148	63.1	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 16.640 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

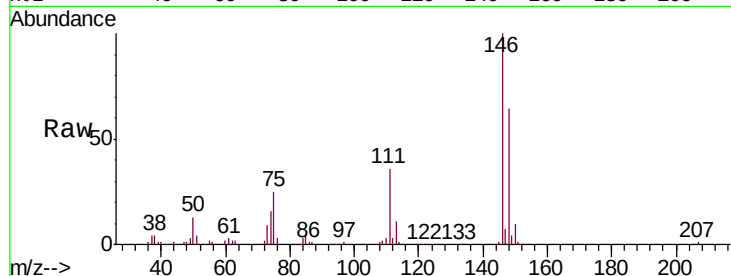
Tgt Ion:146 Resp: 246716

Ion Ratio Lower Upper

146 100

111 35.1 17.4 52.2

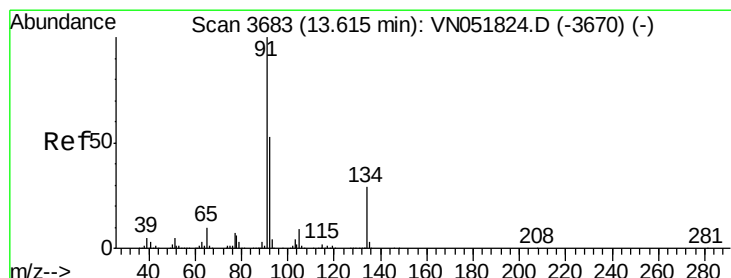
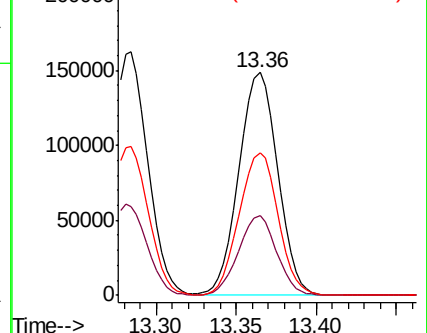
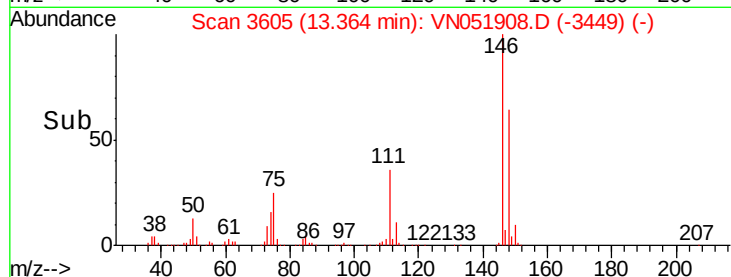
148 64.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 16.839 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

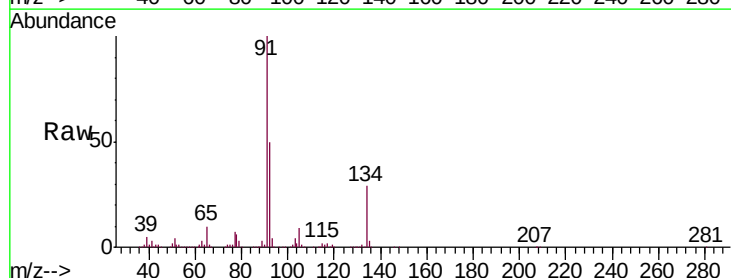
Tgt Ion: 91 Resp: 407329

Ion Ratio Lower Upper

91 100

92 50.1 0.0 97.4

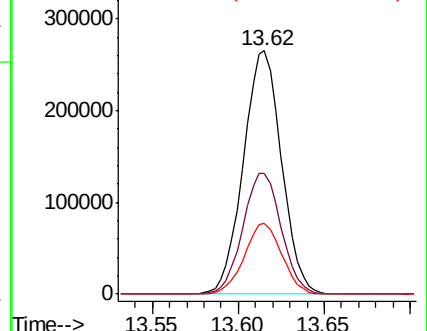
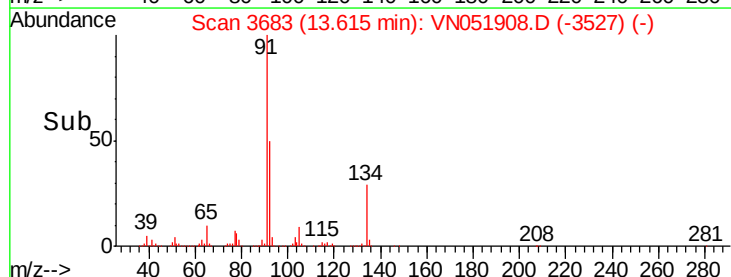
134 28.5 0.0 49.6

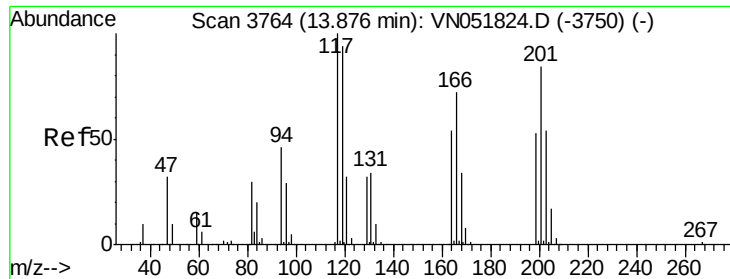


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 16.910 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

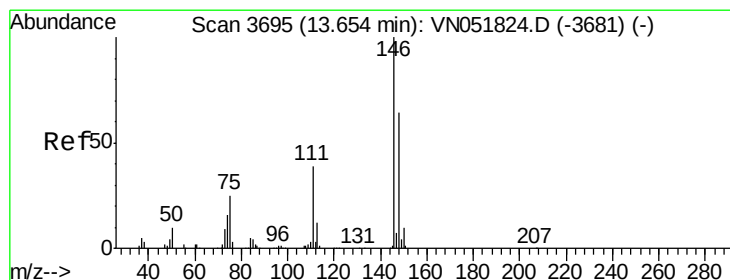
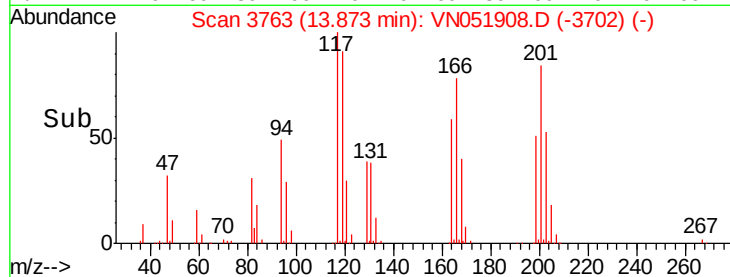
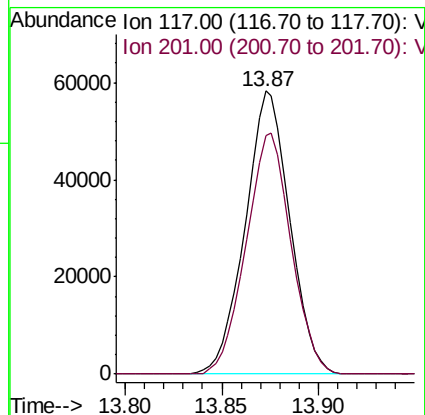
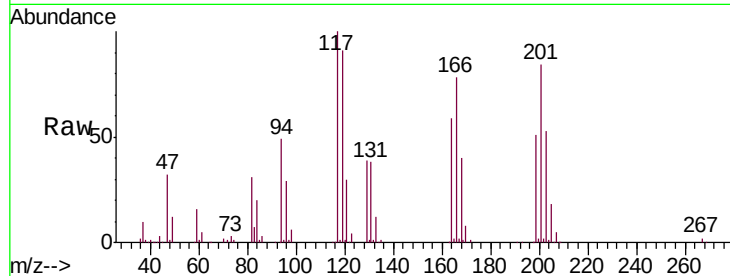
VSTDCCC020

Tgt Ion:117 Resp: 93529

Ion Ratio Lower Upper

117 100

201 85.6 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 17.784 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

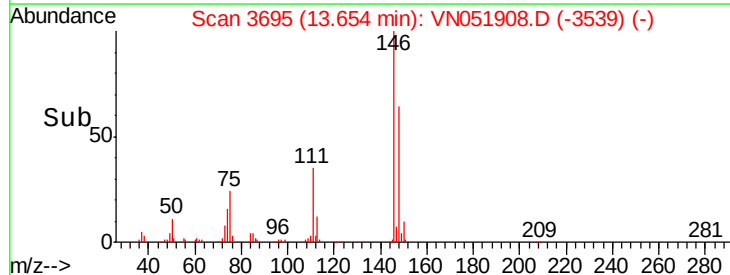
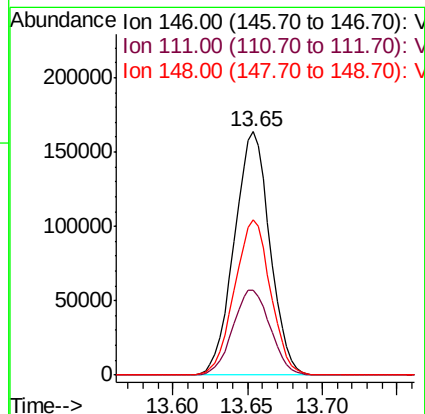
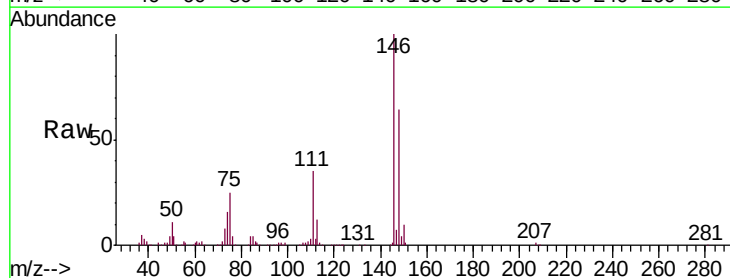
Tgt Ion:146 Resp: 271158

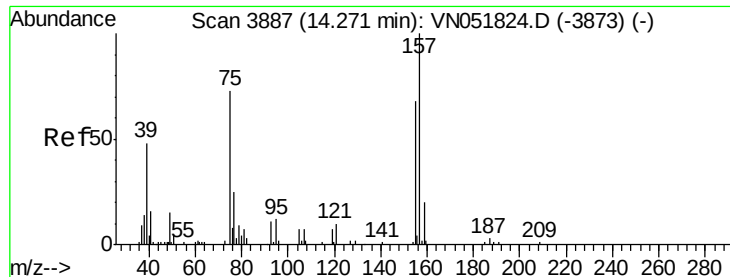
Ion Ratio Lower Upper

146 100

111 36.8 20.8 62.2

148 64.5 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 16.595 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

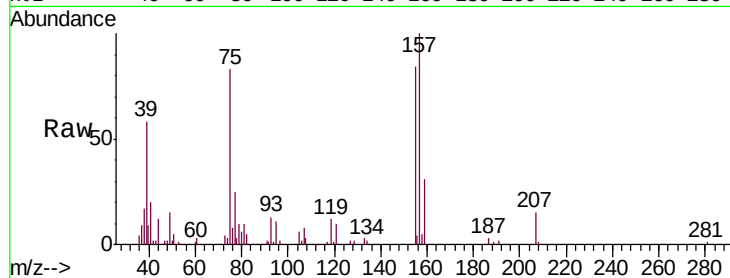
Tgt Ion: 75 Resp: 17636

Ion Ratio Lower Upper

75 100

155 102.5 57.0 85.6#

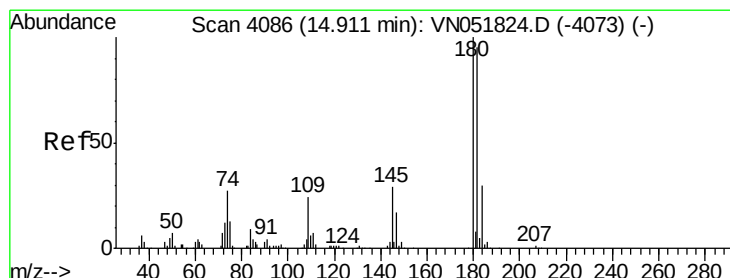
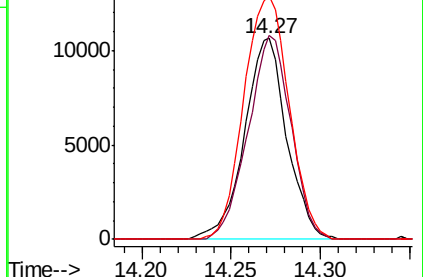
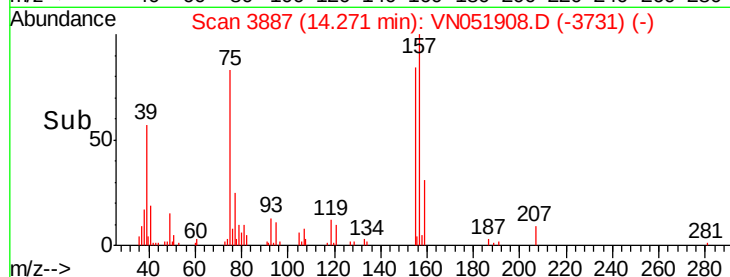
157 129.5 87.4 131.0



Abundance Ion 75.00 (74.70 to 75.70): VN051908.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN051908.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN051908.D (-3731) (-)



#89

1,2,4-Trichlorobenzene

Concen: 16.575 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

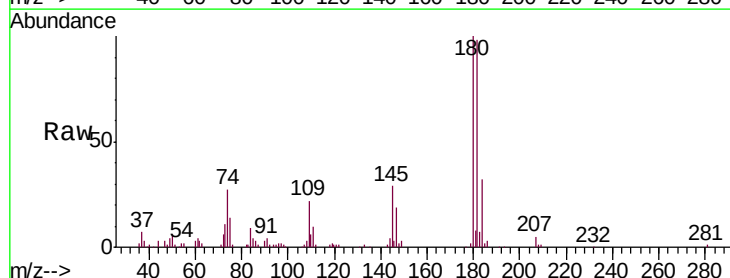
Tgt Ion: 180 Resp: 89032

Ion Ratio Lower Upper

180 100

182 98.5 77.7 116.5

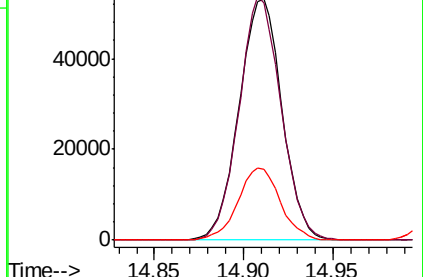
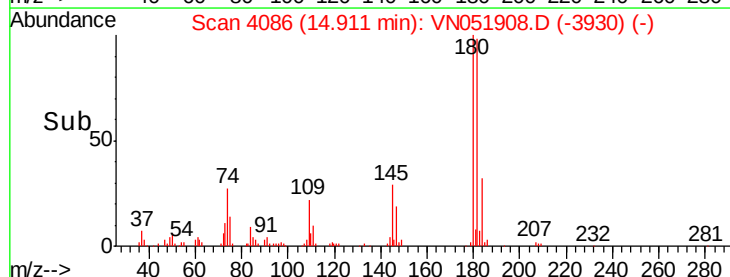
145 29.7 23.4 35.2

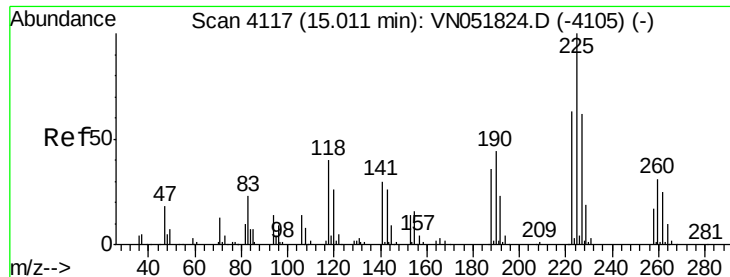


Abundance Ion 180.00 (179.70 to 180.70): VN051908.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051908.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051908.D (-3930) (-)





#90

Hexachlorobutadiene

Concen: 19.209 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

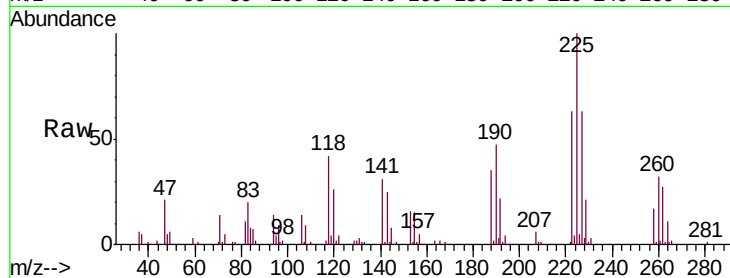
Tgt Ion:225 Resp: 94384

Ion Ratio Lower Upper

225 100

223 64.0 0.0 117.0

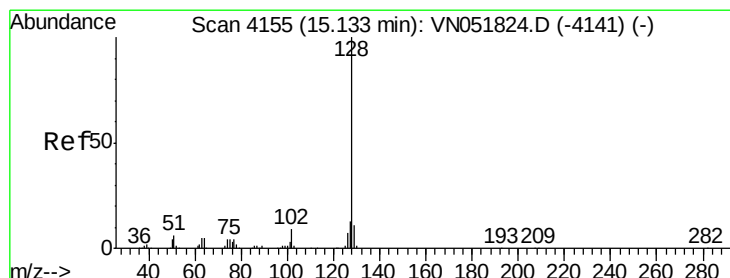
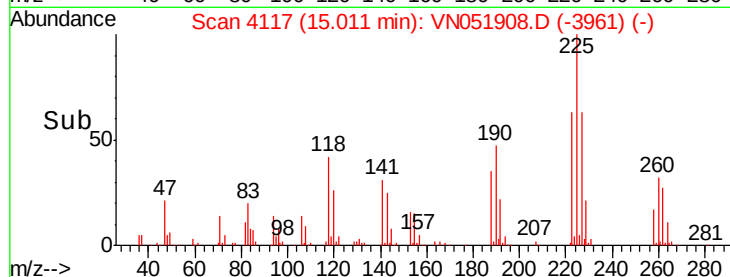
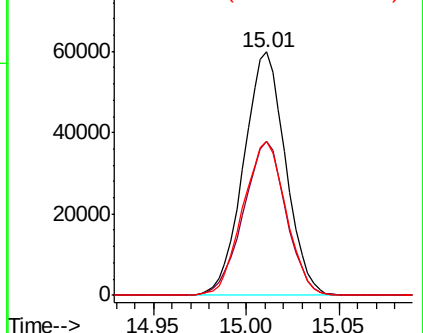
227 65.0 0.0 127.0



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: 16.725 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051908.D

Acq: 18 Oct 2018 11:19

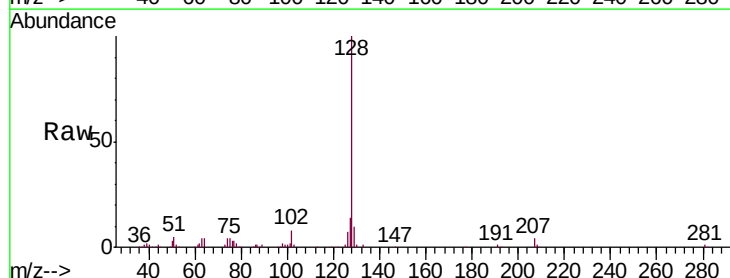
Tgt Ion:128 Resp: 170818

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

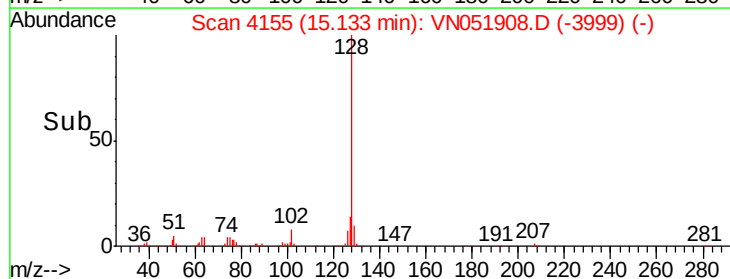
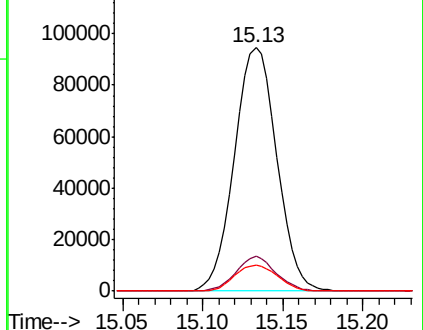
129 10.8 8.4 12.6

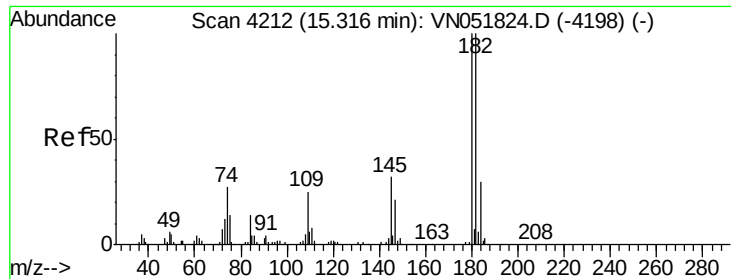


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 14.449 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051908.D
 Acq: 18 Oct 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	180	Resp:	100235
Ion	Ratio	Lower	Upper
180	100		
182	98.3	0.0	198.0
145	30.2	0.0	36.8

