

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051473.D
 Acq On : 25 Sep 2018 9:36
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Sep 26 01:28:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	101201	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	528343	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	468308	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211196	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	209187	30.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.43%
63) Toluene-d8	10.09	98	696423	31.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	86642	19.990	ug/l 100
3) Chloromethane	2.06	50	155348	20.846	ug/l 95
4) Vinyl Chloride	2.19	62	170046	21.385	ug/l 97
5) Bromomethane	2.57	94	108669	20.910	ug/l 91
6) Chloroethane	2.71	64	108554	22.148	ug/l 99
7) Trichlorofluoromethane	3.02	101	225885	21.885	ug/l 95
8) Diethyl Ether	3.41	74	60794	19.591	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	112652	21.493	ug/l # 38
10) 1,1-Dichloroethene	3.74	96	101847	21.333	ug/l 98
11) Methyl Iodide	3.96	142	158446	22.506	ug/l 95
12) Methyl Acetate	4.33	43	85492	20.373	ug/l 91
13) Acrolein	3.61	56	59809	106.889	ug/l 91
14) Acrylonitrile	4.99	53	177088	103.891	ug/l # 61
15) Acetone	3.82	58	43227	102.967	ug/l 98
16) Carbon Disulfide	4.06	76	316387	20.893	ug/l 99
17) Allyl chloride	4.33	41	169662	20.131	ug/l 96
18) Methylene Chloride	4.55	84	126224	22.138	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	113705	22.001	ug/l 98
20) Diisopropyl ether	5.95	45	376991	22.528	ug/l 87
21) 1,1-Dichloroethane	5.85	63	224779	22.299	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	127121	21.981	ug/l 97
23) tert-Butyl Alcohol	4.79	59	30730	95.734	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	264964	20.377	ug/l # 92
25) Chloroform	7.37	83	230751	22.951	ug/l 97
26) Cyclohexane	7.66	56	182058	21.214	ug/l 96
29) 1,1-Dichloropropene	7.79	75	167359	22.497	ug/l 100
30) 2-Butanone	6.84	43	200251	104.211	ug/l # 98
31) 2,2-Dichloropropane	6.82	77	184148	23.207	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	198314	23.351	ug/l 99
33) Carbon Tetrachloride	7.78	117	176289	22.623	ug/l 92
34) Benzene	8.04	78	513311	23.241	ug/l # 69
35) Methacrylonitrile	7.21	41	133410	48.178	ug/l # 60
36) 1,2-Dichloroethane	8.13	62	162425	22.585	ug/l 97
37) Trichloroethene	8.84	130	133298	22.771	ug/l 100
38) Methylcyclohexane	9.08	83	178069	20.649	ug/l 96
39) 1,2-Dichloropropane	9.12	63	140747	23.426	ug/l 95
40) Dibromomethane	9.21	93	80758	23.616	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	174146	23.163	ug/l	93
42) Vinyl Acetate	5.90	43	1140800	106.765	ug/l	99
43) Ethyl Acetate	6.93	43	90328	22.592	ug/l #	83
44) Isopropyl Acetate	8.17	43	163539	21.267	ug/l	97
45) 1,4-Dioxane	9.20	88	20344	434.865	ug/l	90
46) Methyl methacrylate	9.20	41	80018	21.013	ug/l	95
47) n-amyl Acetate	11.96	43	1297	0.211	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	158718	21.259	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	194473	22.504	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	113702	23.254	ug/l	94
51) Ethyl methacrylate	10.43	69	118073	20.404	ug/l	98
52) 1,3-Dichloropropane	10.71	76	188397	22.839	ug/l	98
53) Dibromochloromethane	10.90	129	128522	22.851	ug/l	95
54) 1,2-Dibromoethane	11.01	107	104200	22.087	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	301270	105.433	ug/l	99
56) Bromoform	12.12	173	83384	21.991	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	455871	110.766	ug/l	97
59) 2-Hexanone	10.75	43	279666	103.246	ug/l	97
61) Tetrachloroethene	10.63	164	127802	23.457	ug/l	95
62) Toluene	10.16	91	553184	23.074	ug/l	98
64) Chlorobenzene	11.43	112	332586	22.627	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	131694	23.174	ug/l	98
66) Ethyl Benzene	11.51	91	537569	21.735	ug/l	100
67) m/p-Xylenes	11.62	106	433541	45.533	ug/l	98
68) o-Xylene	11.95	106	202813	22.364	ug/l	94
69) Styrene	11.96	104	321034	22.411	ug/l	99
70) Isopropylbenzene	12.25	105	546908	22.535	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	125828	22.025	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	152027	33.745	ug/l	74
73) Bromobenzene	12.53	156	133392	21.809	ug/l	97
74) n-propylbenzene	12.59	91	620951	22.008	ug/l	100
75) 2-Chlorotoluene	12.67	91	376379	22.604	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	456771	22.809	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30085	19.363	ug/l	97
78) 4-Chlorotoluene	12.77	91	369646	22.382	ug/l	97
79) tert-butylbenzene	12.99	119	387588	22.229	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	460784	22.888	ug/l	97
81) sec-Butylbenzene	13.17	105	535243	22.316	ug/l	99
82) p-Isopropyltoluene	13.29	119	456531	22.049	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	231212	21.551	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	214030	21.241	ug/l	98
85) n-Butylbenzene	13.62	91	340754	20.044	ug/l	99
86) Hexachloroethane	13.87	117	92827	22.373	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	228821	22.499	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16958	20.112	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	86030	16.982	ug/l	97
90) Hexachlorobutadiene	15.01	225	84689	21.570	ug/l	97
91) Naphthalene	15.13	128	131545	13.761	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	87992	17.206	ug/l	94

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
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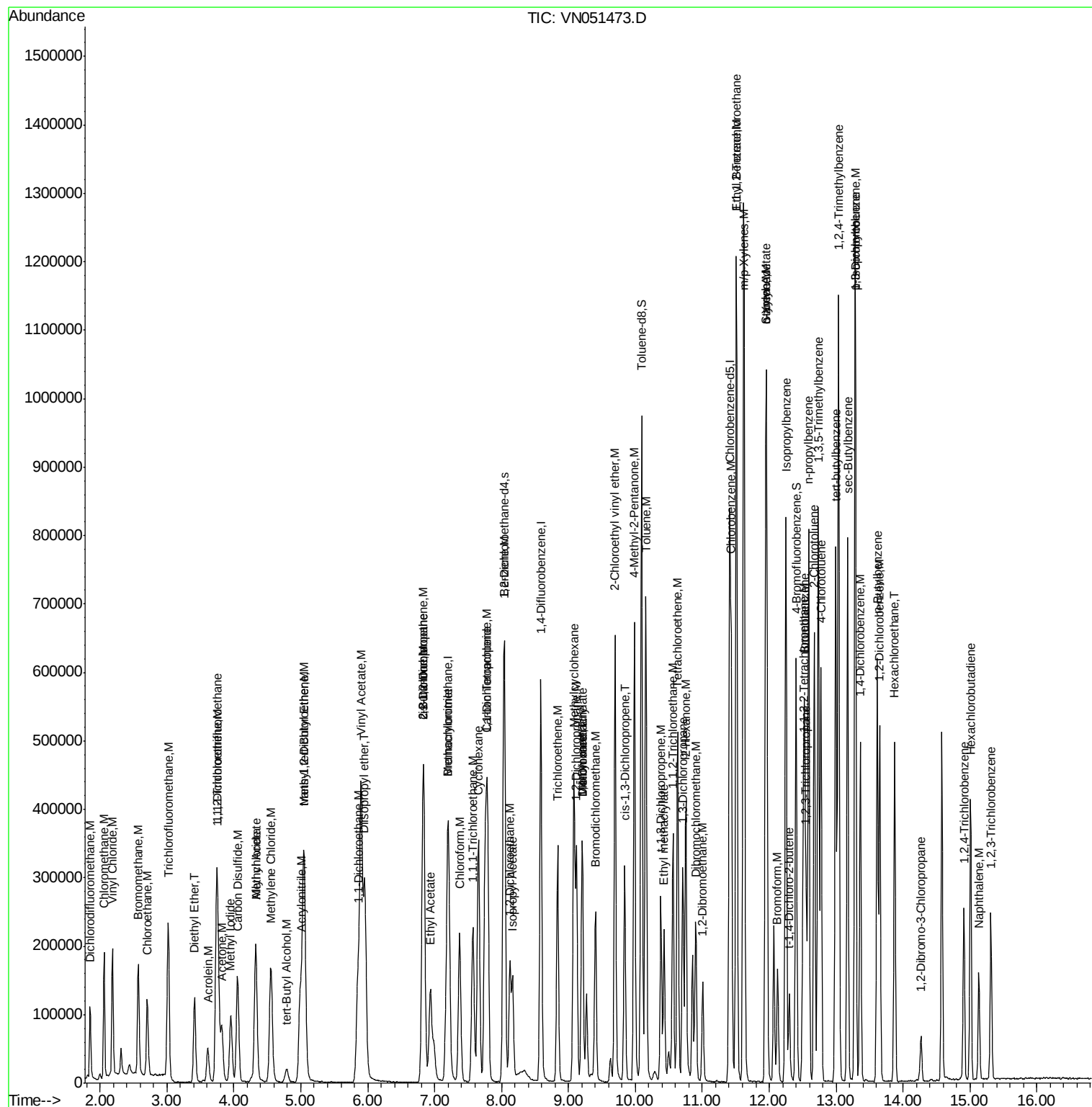
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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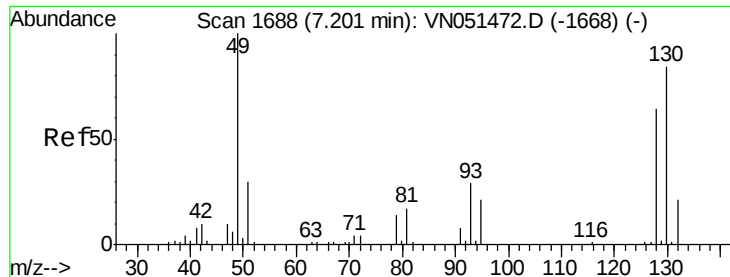
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 26 01:28:48 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

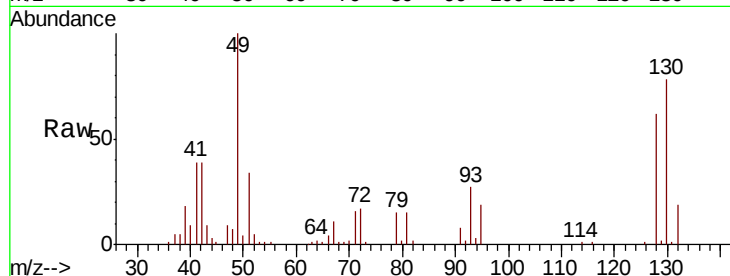
Tot Ion:128 Resp: 101201

Ion Ratio Lower Upper

128 100

49 162.8 0.0 403.3

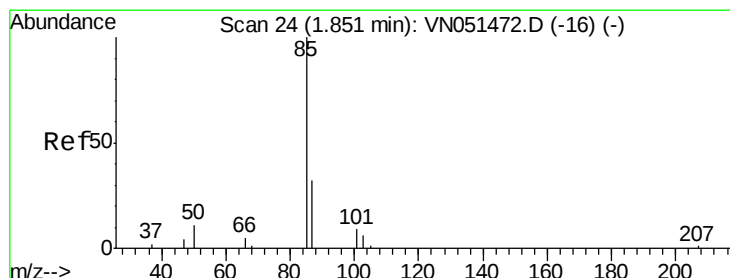
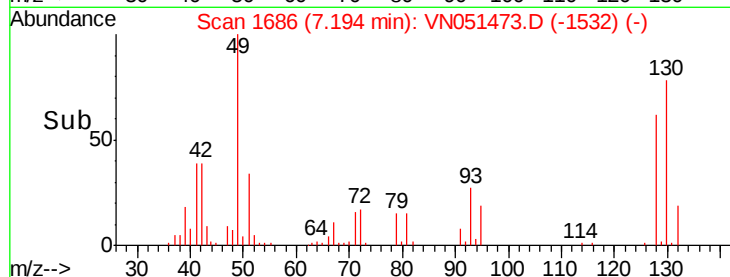
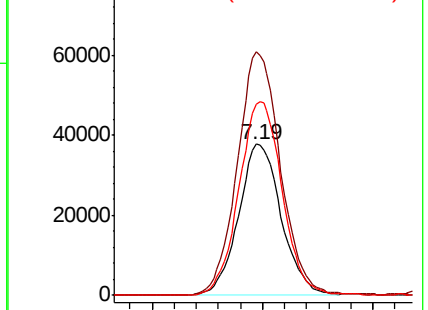
130 129.3 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.990 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051473.D

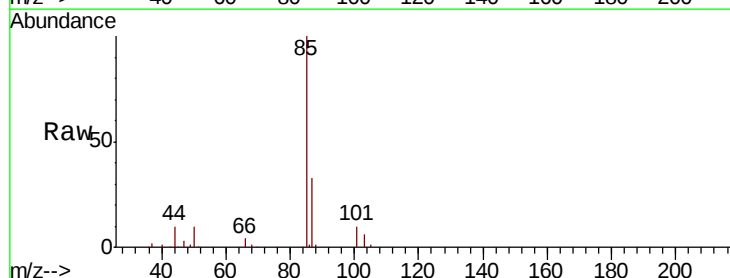
Acq: 25 Sep 2018 9:36

Tgt Ion: 85 Resp: 86642

Ion Ratio Lower Upper

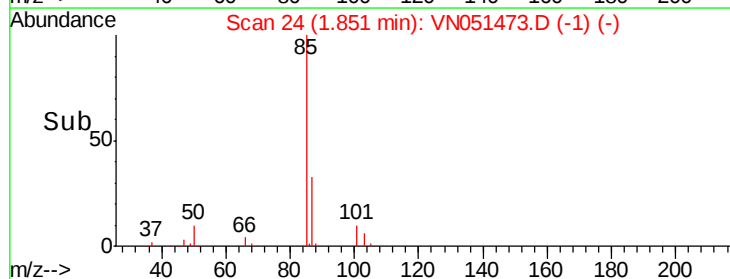
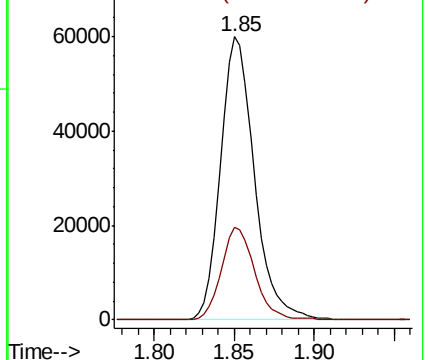
85 100

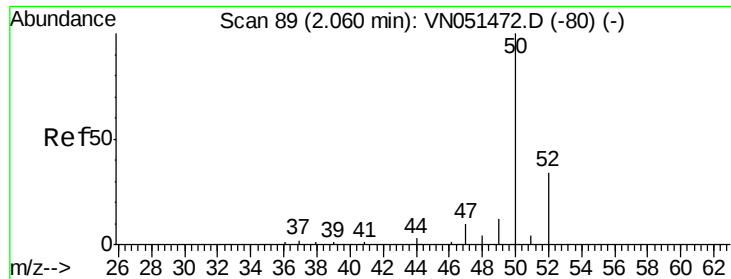
87 32.7 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.846 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

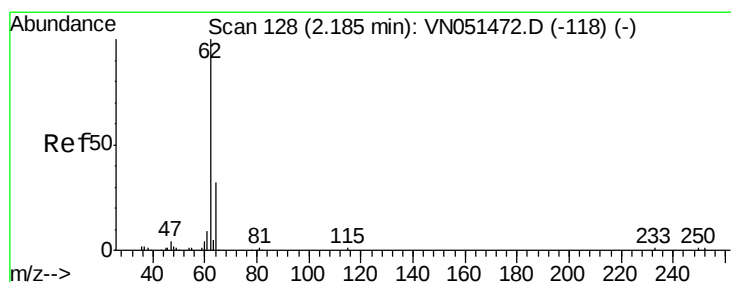
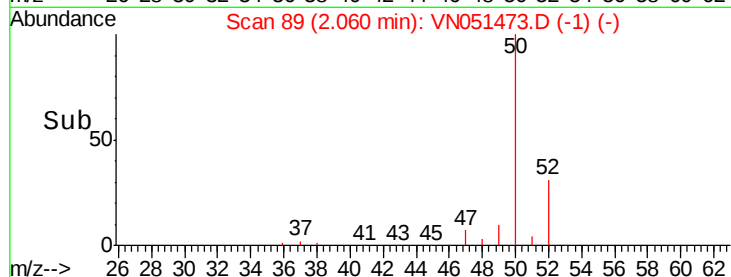
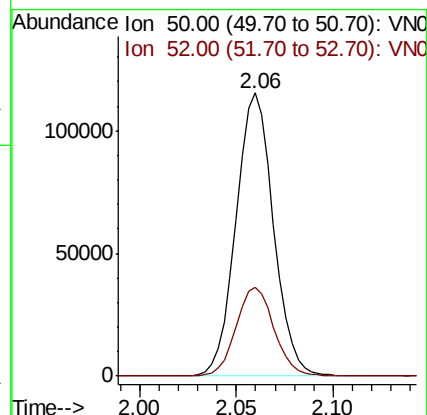
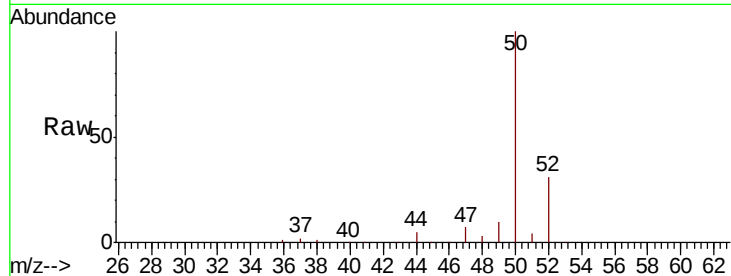
VSTDICCC020

Tot Ion: 50 Resp: 155348

Ion Ratio Lower Upper

50 100

52 31.1 27.2 40.8



#4

Vinyl Chloride

Concen: 21.385 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051473.D

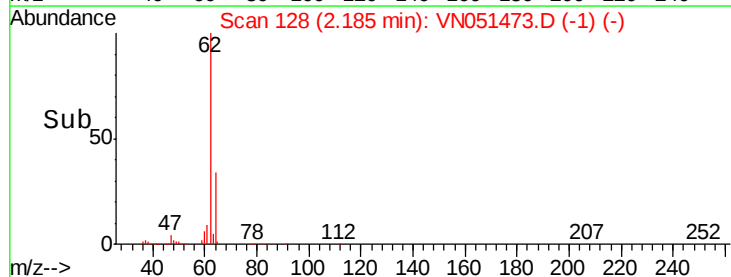
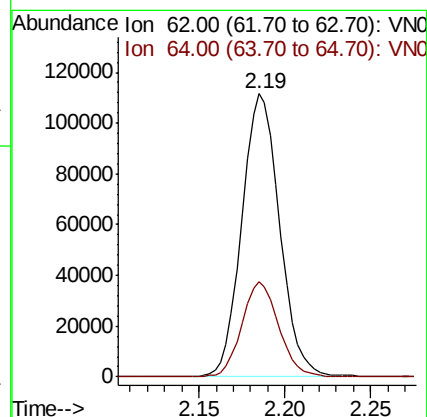
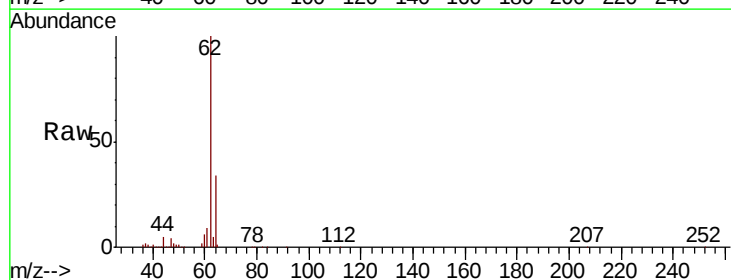
Acq: 25 Sep 2018 9:36

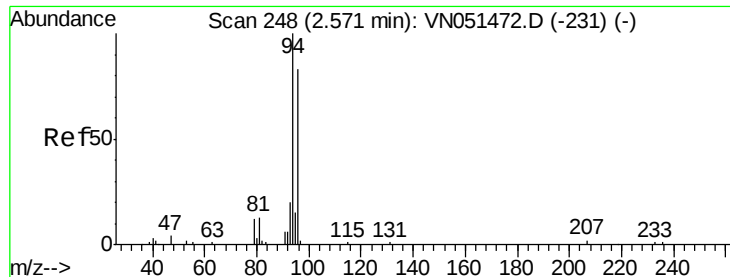
Tgt Ion: 62 Resp: 170046

Ion Ratio Lower Upper

62 100

64 33.7 25.4 38.2





#5

Bromomethane

Concen: 20.910 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

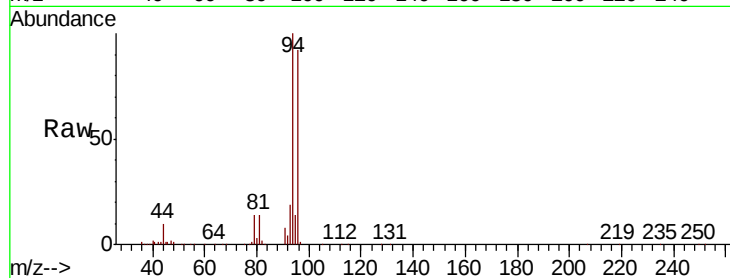
VSTDICCC020

Tot Ion: 94 Resp: 108669

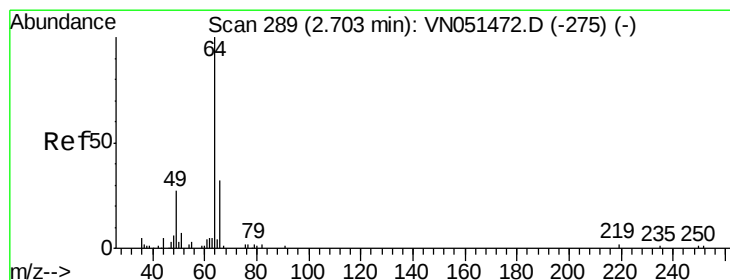
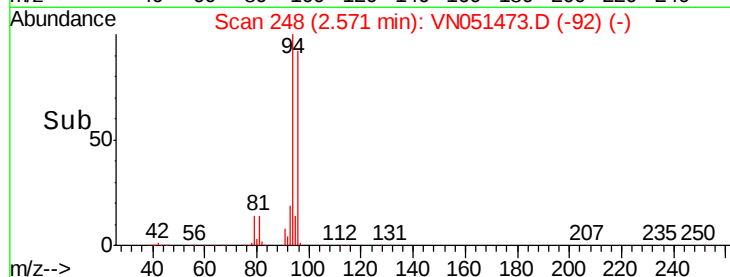
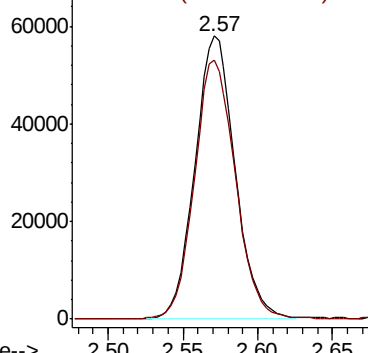
Ion Ratio Lower Upper

94 100

96 91.2 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VNO
Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 22.148 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051473.D

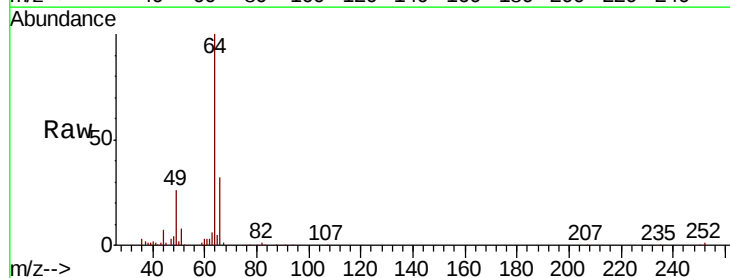
Acq: 25 Sep 2018 9:36

Tgt Ion: 64 Resp: 108554

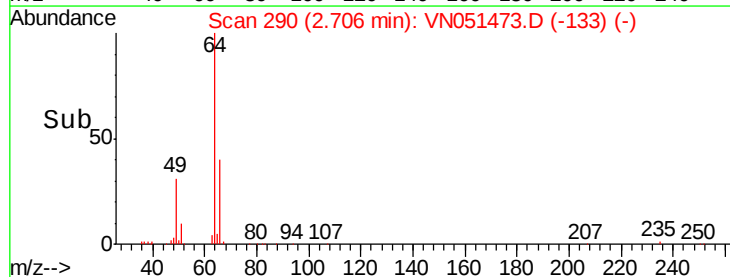
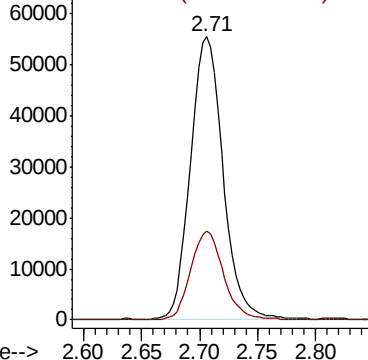
Ion Ratio Lower Upper

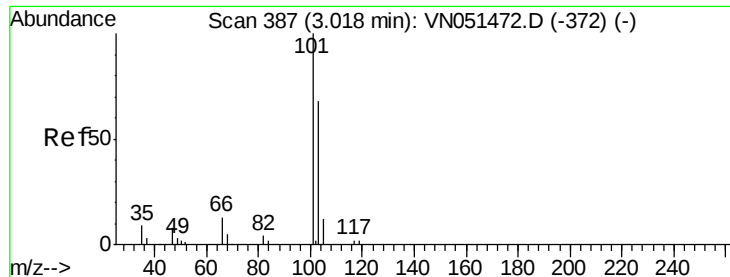
64 100

66 31.6 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VNO
Ion 66.00 (65.70 to 66.70): VNO



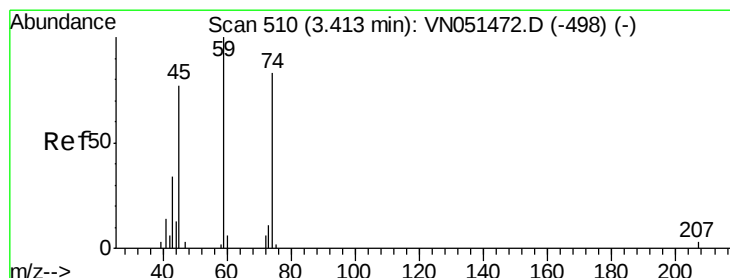
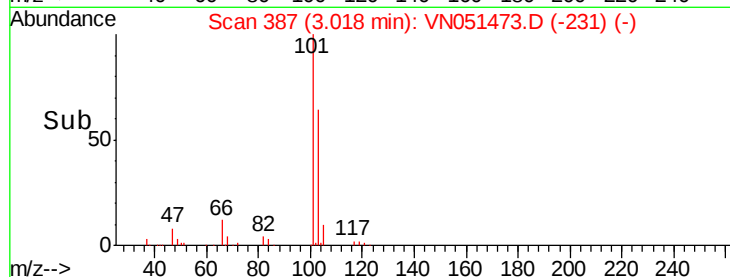
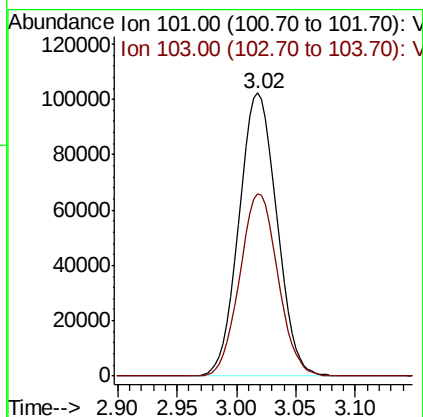
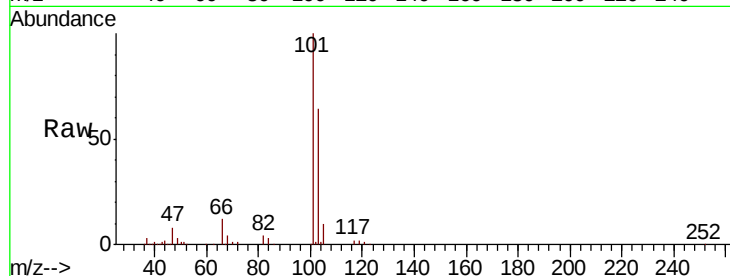


#7

Trichlorofluoromethane
 Concen: 21.885 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

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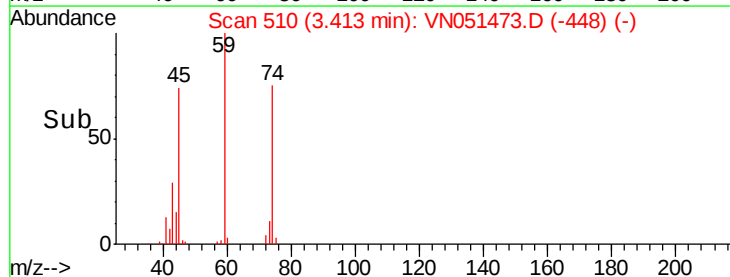
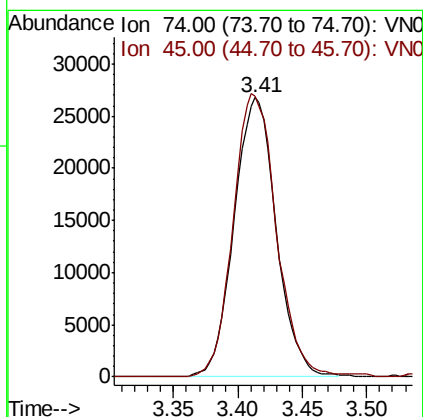
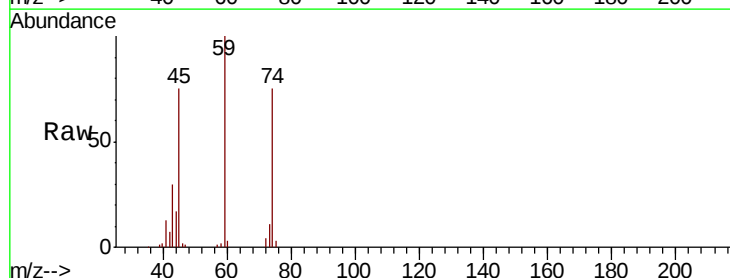
Tot Ion:101 Resp: 225885
 Ion Ratio Lower Upper
 101 100
 103 64.5 54.8 82.2

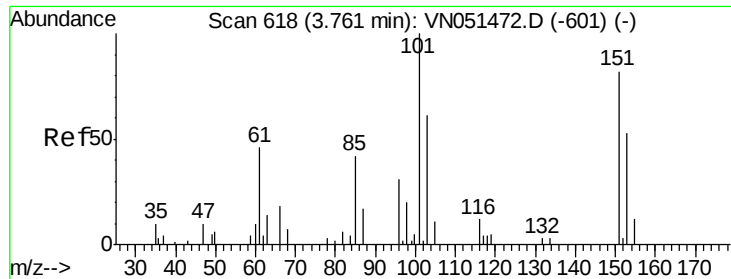


#8

Diethyl Ether
 Concen: 19.591 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 74 Resp: 60794
 Ion Ratio Lower Upper
 74 100
 45 103.9 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.493 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

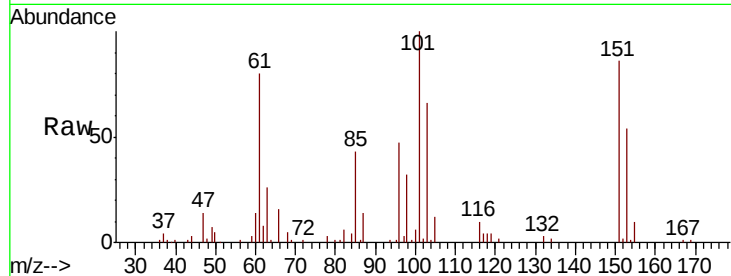
Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:101 Resp: 112652

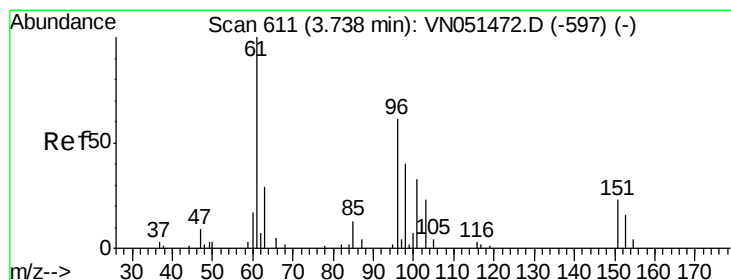
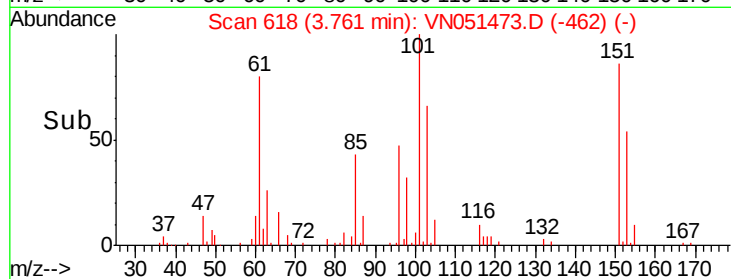
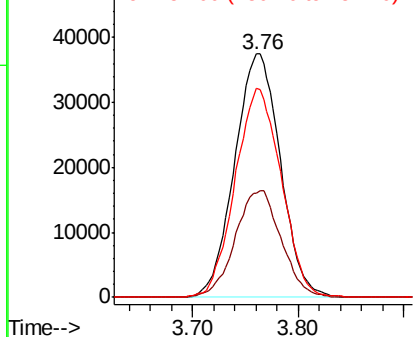
Ion	Ratio	Lower	Upper
101	100		
85	44.2	0.0	46.0
151	86.4	0.0	82.2#



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: 21.333 ug/l

RT: 3.74 min Scan# 611

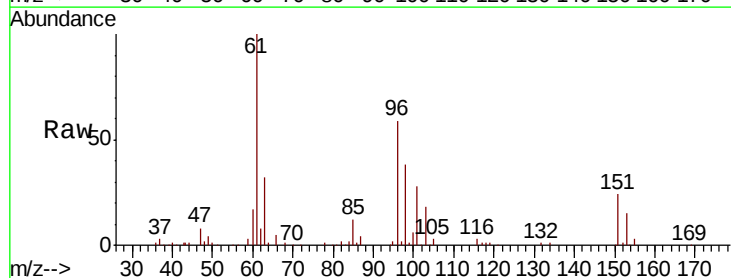
Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion: 96 Resp: 101847

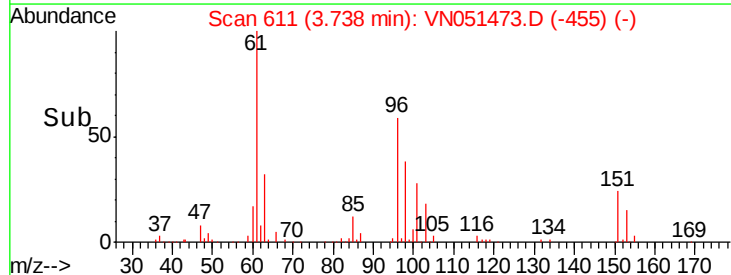
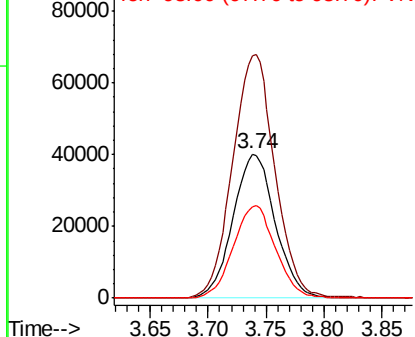
Ion	Ratio	Lower	Upper
96	100		
61	167.8	133.0	199.6
98	63.4	52.6	78.8

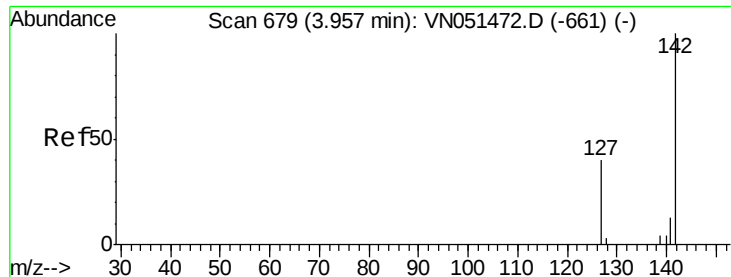


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

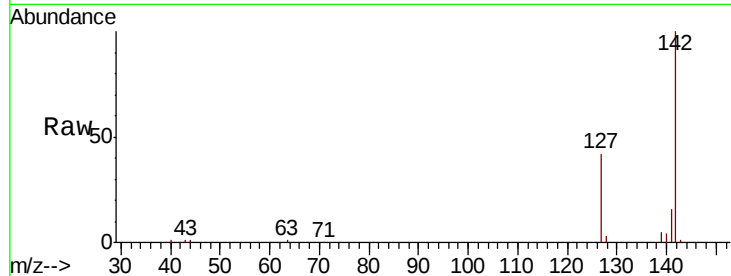




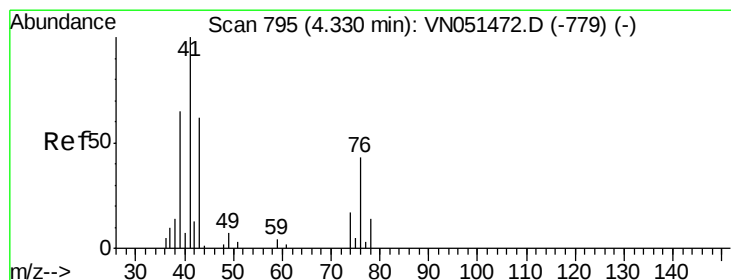
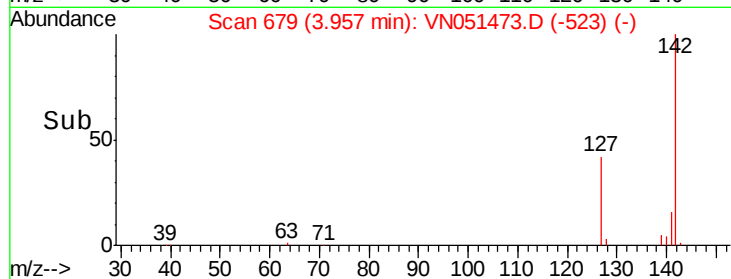
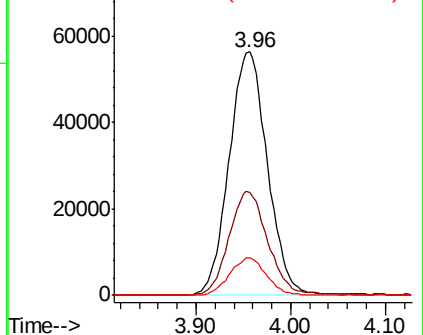
#11
Methyl Iodide
Concen: 22.506 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:142 Resp: 158446
Ion Ratio Lower Upper
142 100
127 41.8 19.7 59.0
141 15.7 6.3 18.9

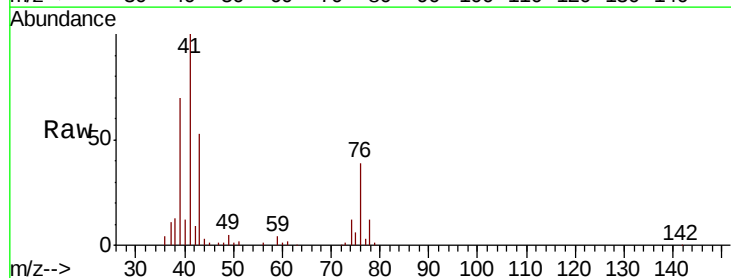


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

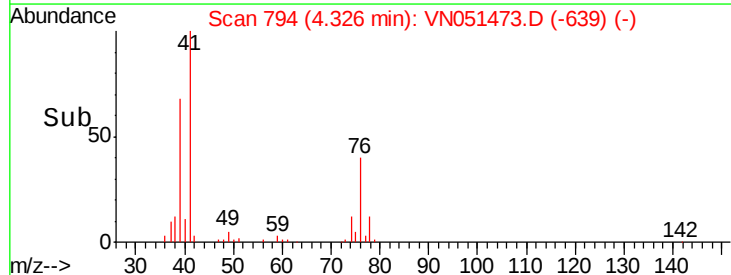
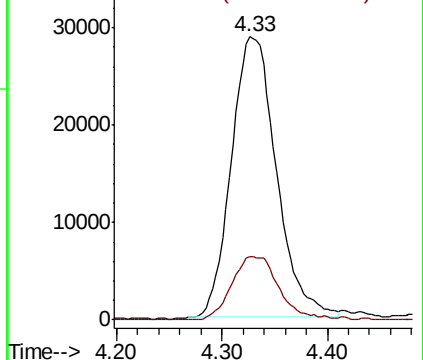


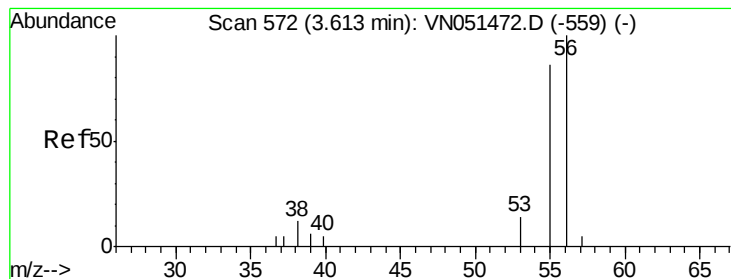
#12
Methyl Acetate
Concen: 20.373 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 43 Resp: 85492
Ion Ratio Lower Upper
43 100
74 22.5 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 106.889 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

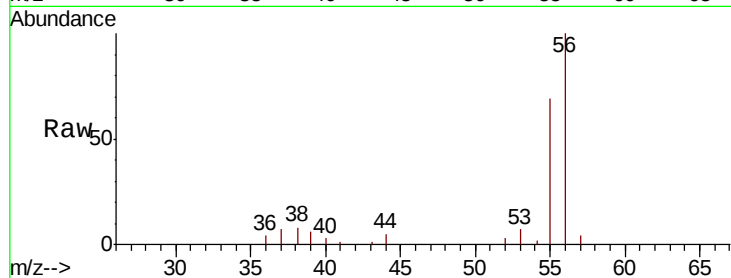
VSTDICCC020

Tot Ion: 56 Resp: 59809

Ion Ratio Lower Upper

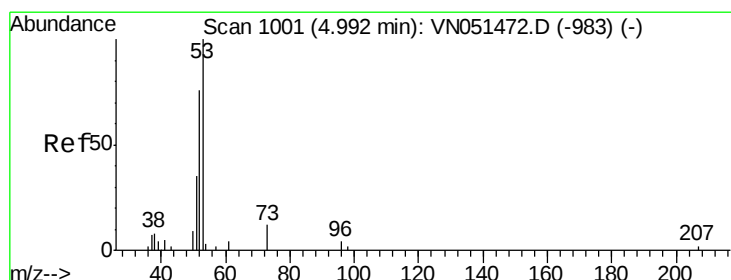
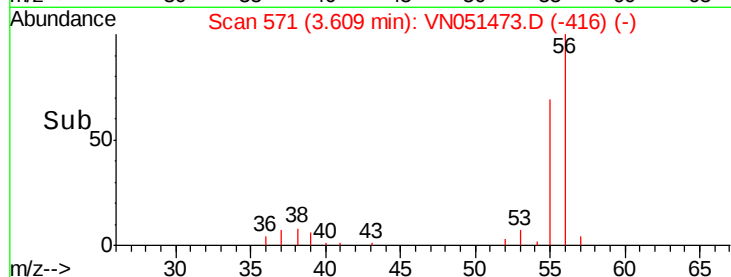
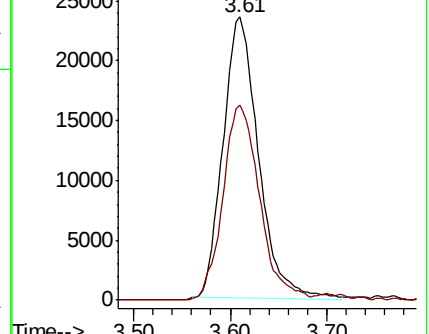
56 100

55 71.9 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: 103.891 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

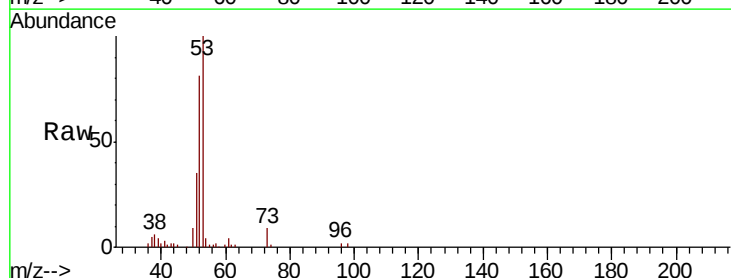
Tgt Ion: 53 Resp: 177088

Ion Ratio Lower Upper

53 100

52 82.0 18.3 54.8#

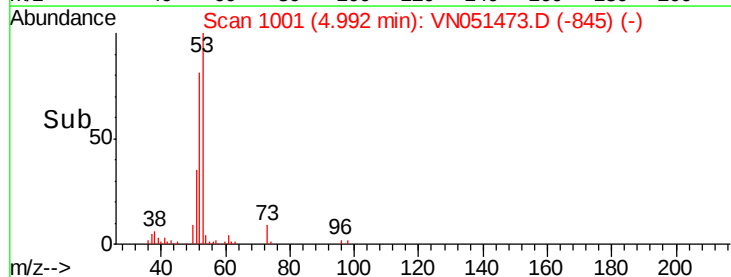
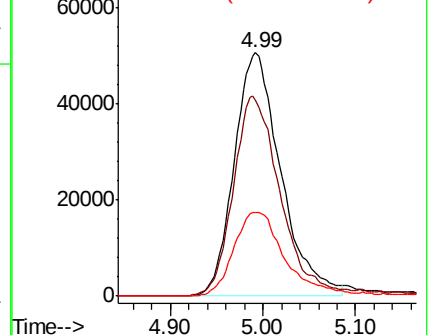
51 37.5 19.7 59.1

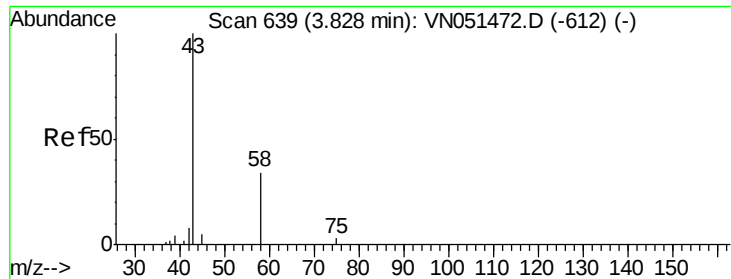


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.967 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

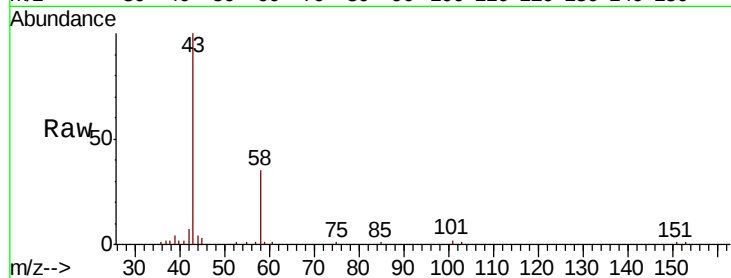
VSTDICCC020

Tot Ion: 58 Resp: 43227

Ion Ratio Lower Upper

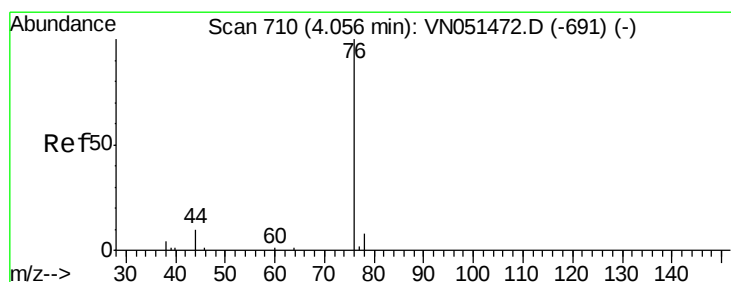
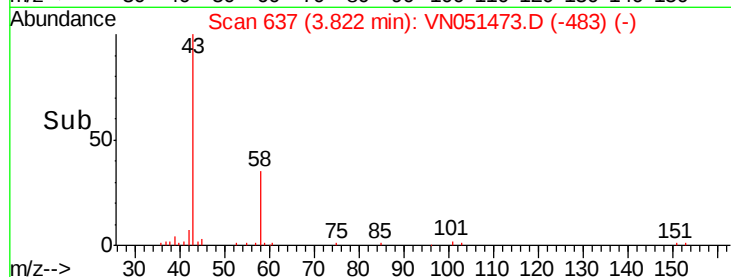
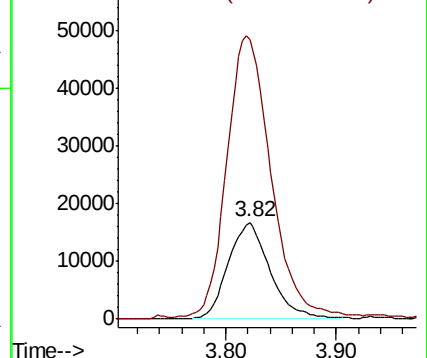
58 100

43 286.6 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.893 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051473.D

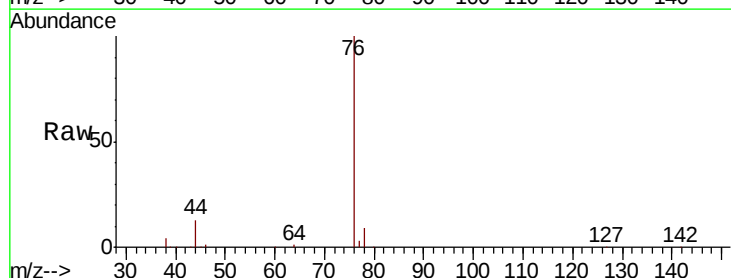
Acq: 25 Sep 2018 9:36

Tgt Ion: 76 Resp: 316387

Ion Ratio Lower Upper

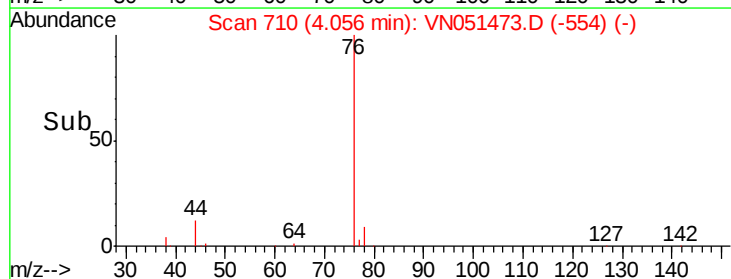
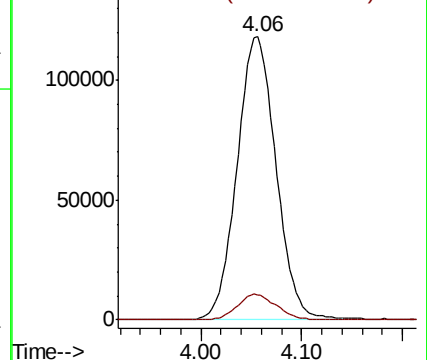
76 100

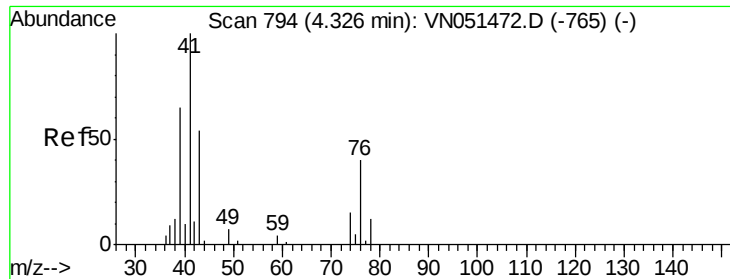
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

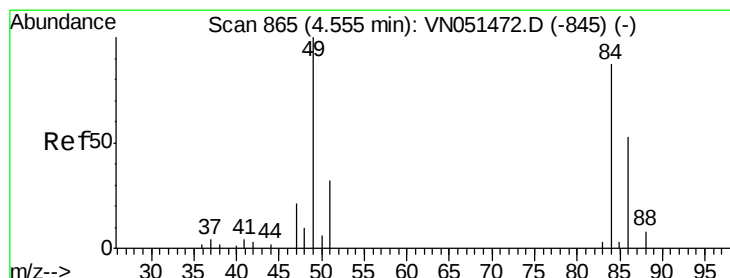
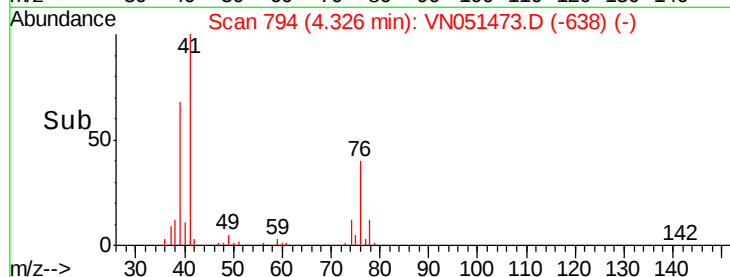
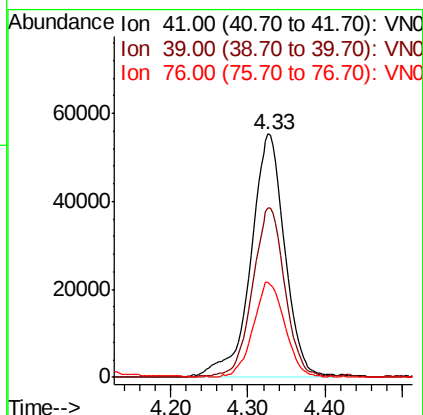
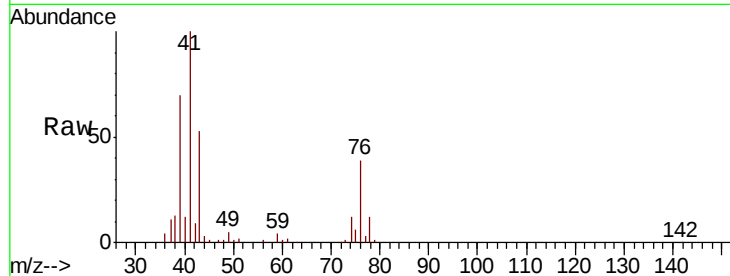




#17
Allvl chloride
Concen: 20.131 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

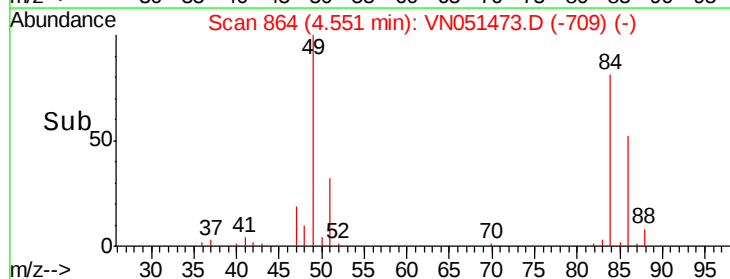
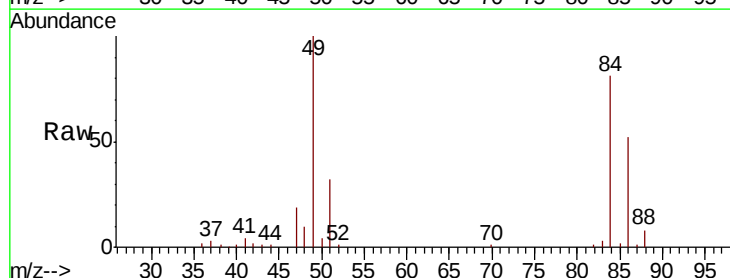
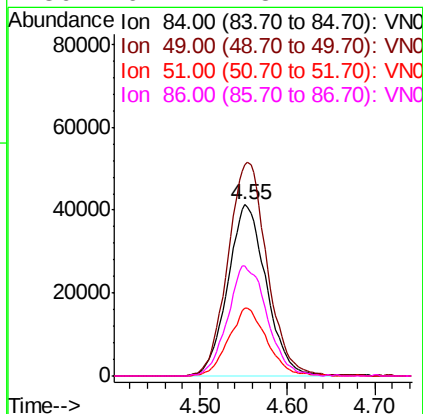
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

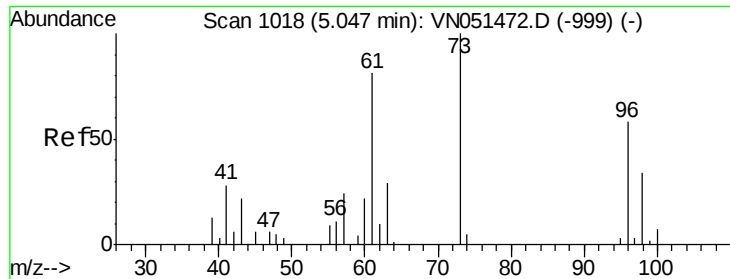
Tot Ion: 41 Resp: 169662
Ion Ratio Lower Upper
41 100
39 69.8 32.6 97.8
76 39.1 20.2 60.5



#18
Methylene Chloride
Concen: 22.138 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 84 Resp: 126224
Ion Ratio Lower Upper
84 100
49 123.1 91.6 137.4
51 39.7 29.8 44.6
86 64.1 48.2 72.4

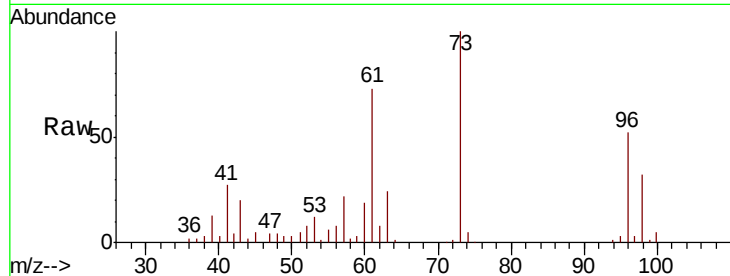




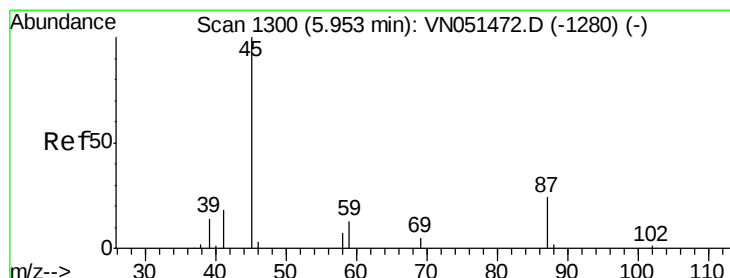
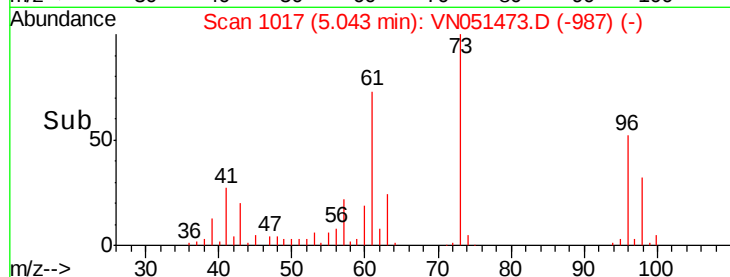
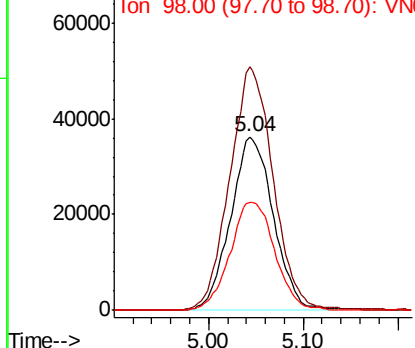
#19
trans-1,2-Dichloroethene
Concen: 22.001 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 96 Resp: 113705
Ion Ratio Lower Upper
96 100
61 139.1 112.3 168.5
98 62.3 47.1 70.7

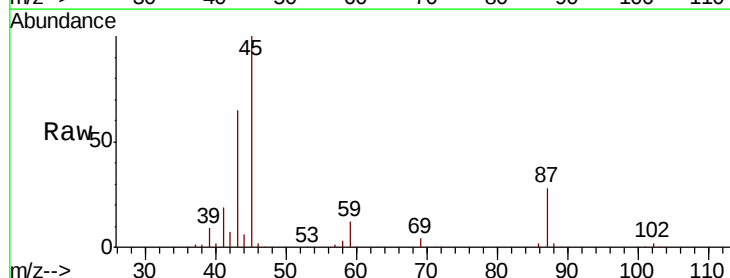


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

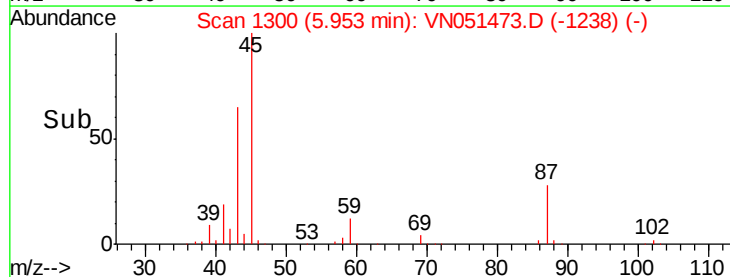
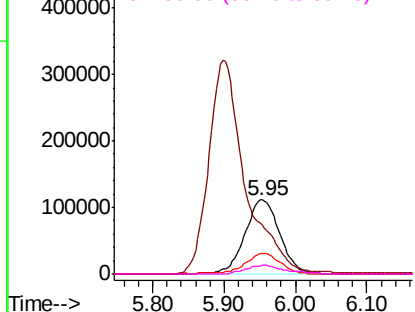


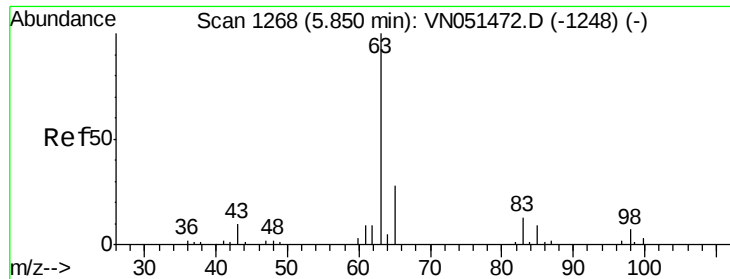
#20
Diisopropyl ether
Concen: 22.528 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 45 Resp: 376991
Ion Ratio Lower Upper
45 100
43 63.2 62.1 93.1
87 27.8 19.9 29.9
59 11.4 9.8 14.6



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

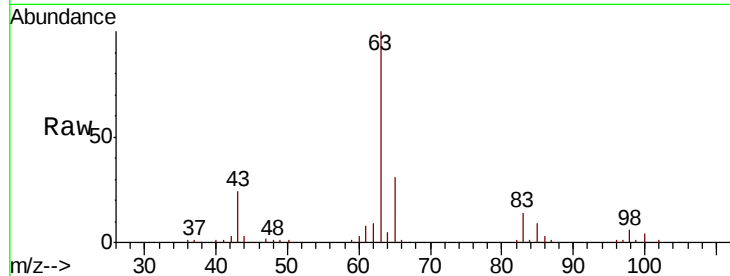




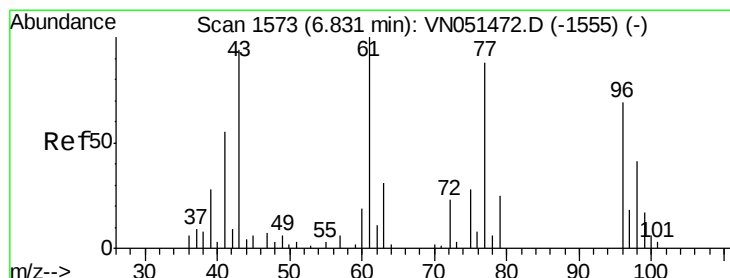
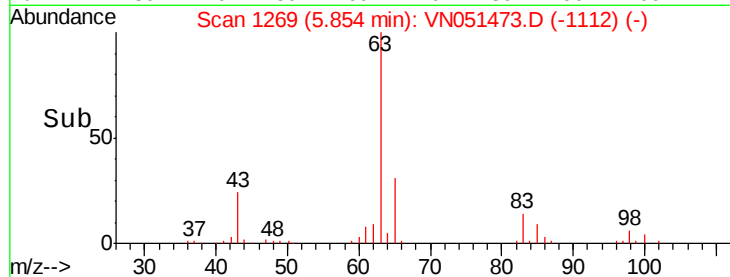
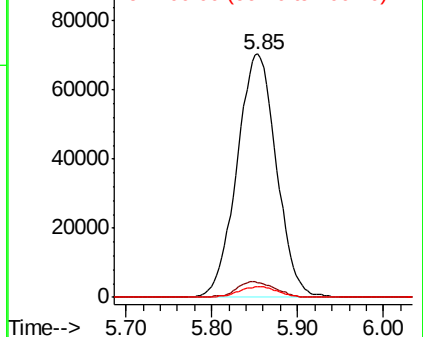
#21
 1,1-Dichloroethane
 Concen: 22.299 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 224779
 Ion Ratio Lower Upper
 63 100
 98 6.2 4.1 12.3
 100 4.4 1.6 4.7

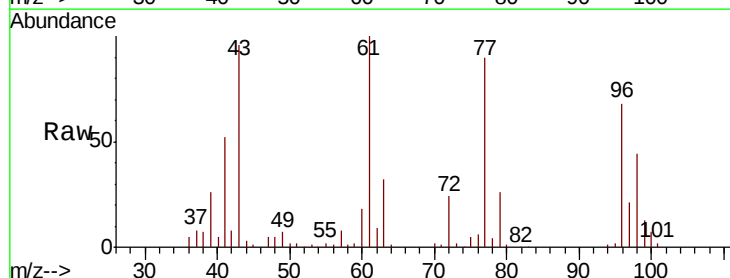


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

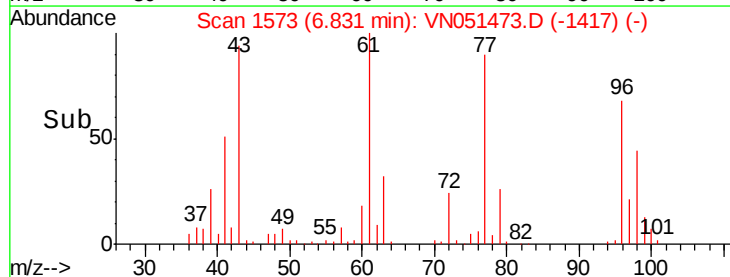
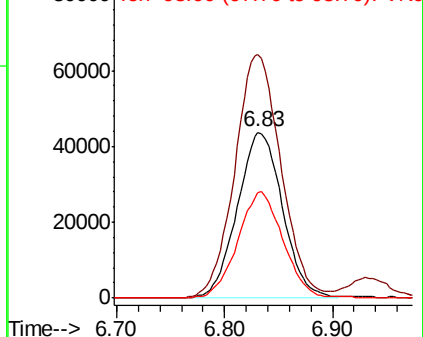


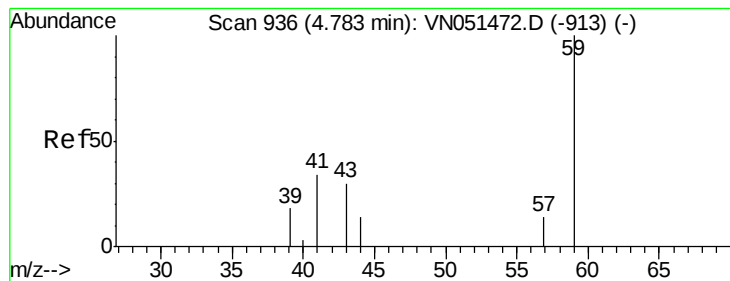
#22
 cis-1,2-Dichloroethene
 Concen: 21.981 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 96 Resp: 127121
 Ion Ratio Lower Upper
 96 100
 61 150.2 124.5 186.7
 98 64.3 51.9 77.9



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





#23

tert-Butyl Alcohol

Concen: 95.734 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

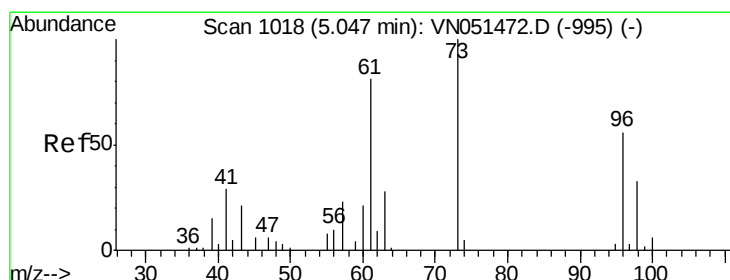
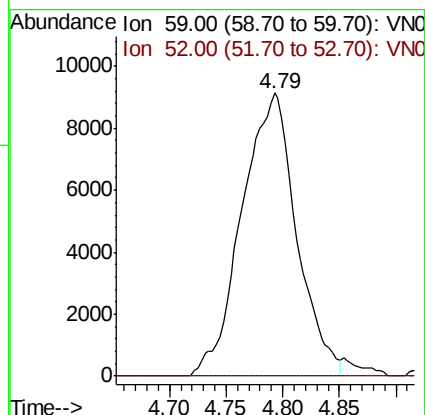
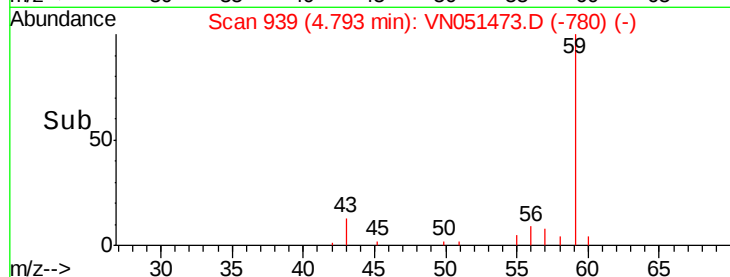
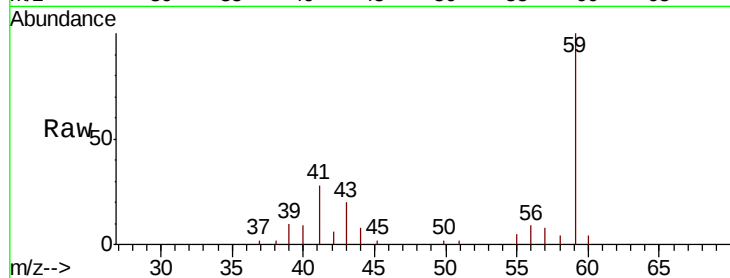
VSTDICCC020

Tot Ion: 59 Resp: 30730

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 20.377 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051473.D

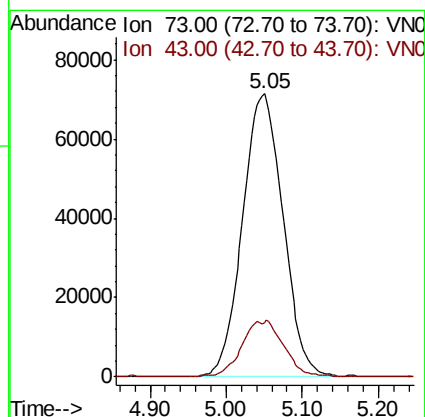
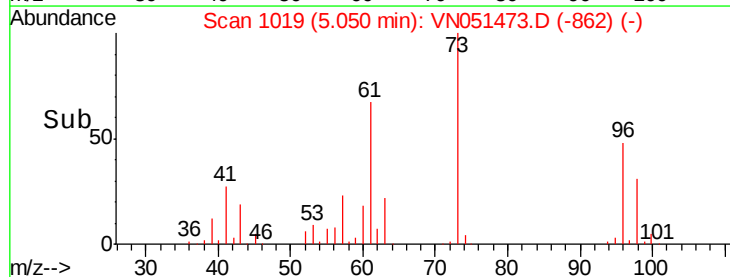
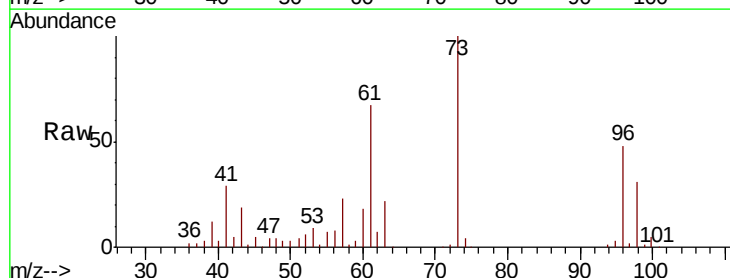
Acq: 25 Sep 2018 9:36

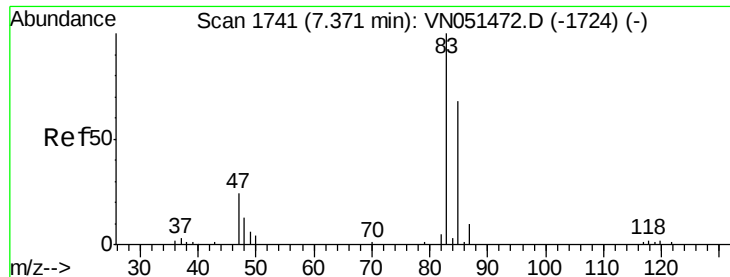
Tgt Ion: 73 Resp: 264964

Ion Ratio Lower Upper

73 100

43 9.6 5.4 8.0#

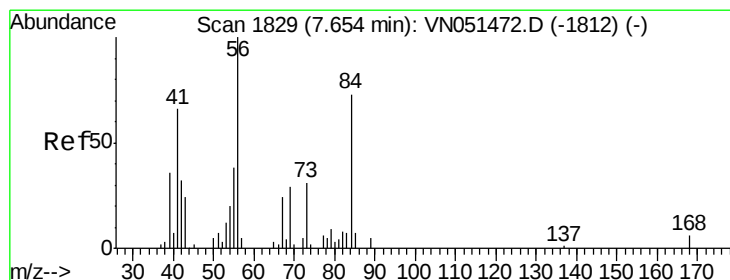
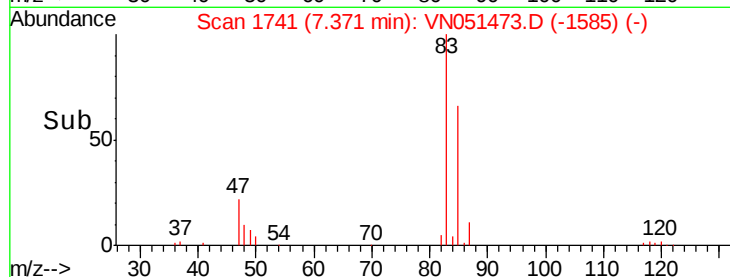
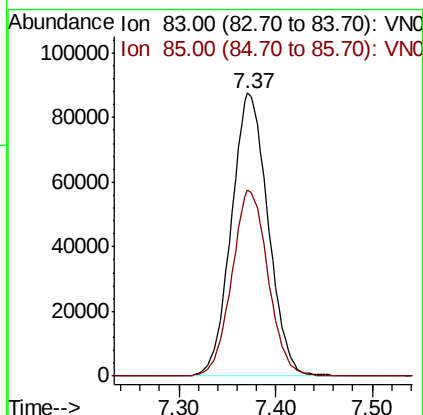
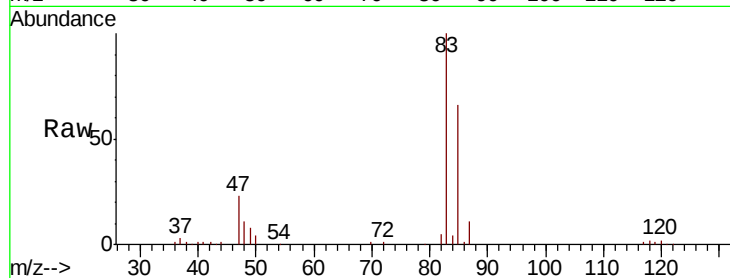




#25
Chloroform
Concen: 22.951 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

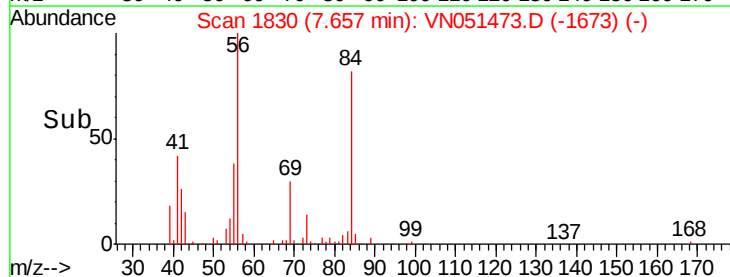
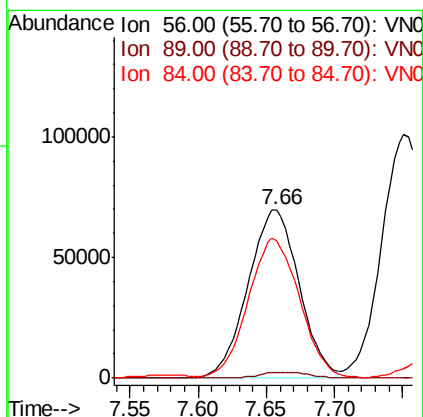
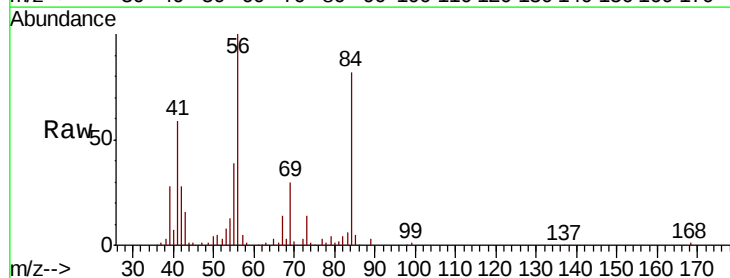
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

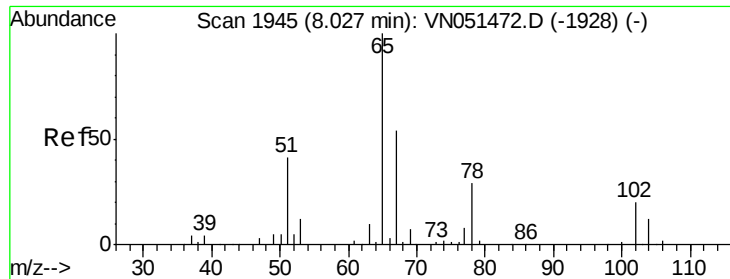
Tot Ion: 83 Resp: 230751
Ion Ratio Lower Upper
83 100
85 65.8 54.6 82.0



#26
Cyclohexane
Concen: 21.214 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 56 Resp: 182058
Ion Ratio Lower Upper
56 100
89 1.6 1.5 2.3
84 83.6 64.2 96.4





#27

1,2-Dichloroethane-d4

Concen: 30.322 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

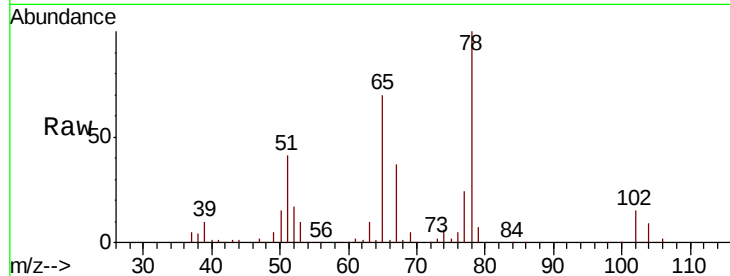
VSTDICCC020

Tot Ion: 65 Resp: 211196

Ion Ratio Lower Upper

65 100

67 53.1 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051473.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN051473.D (-1928) (-)

8.03

100000

80000

60000

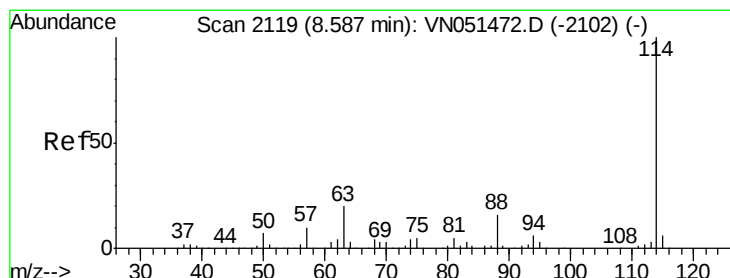
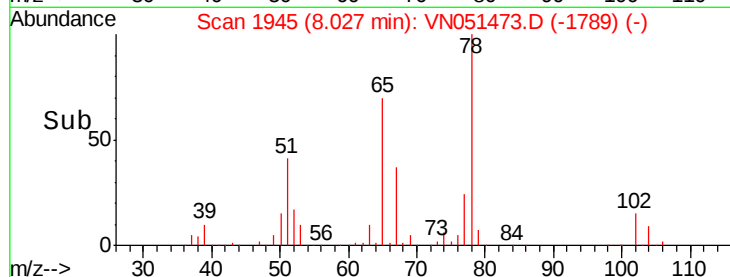
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

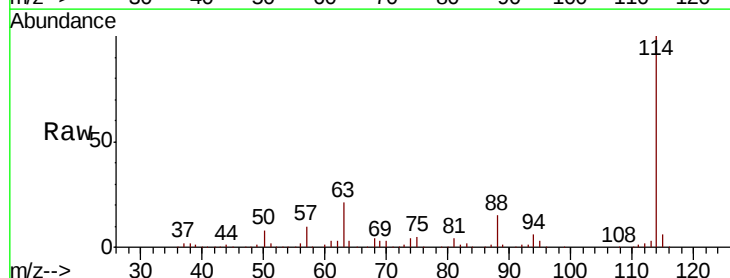
Tgt Ion: 114 Resp: 528343

Ion Ratio Lower Upper

114 100

63 20.9 16.2 24.2

88 15.5 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051473.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051473.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051473.D (-1963) (-)

8.59

300000

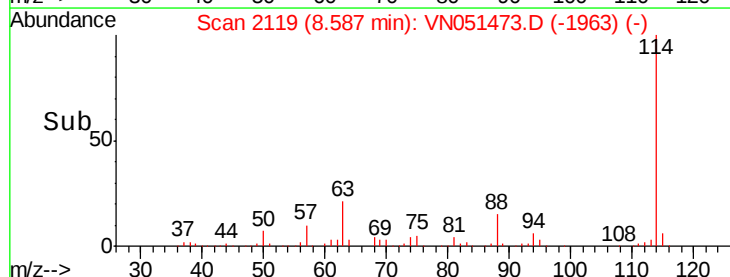
200000

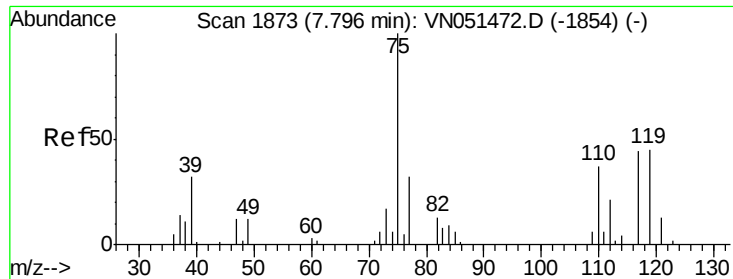
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

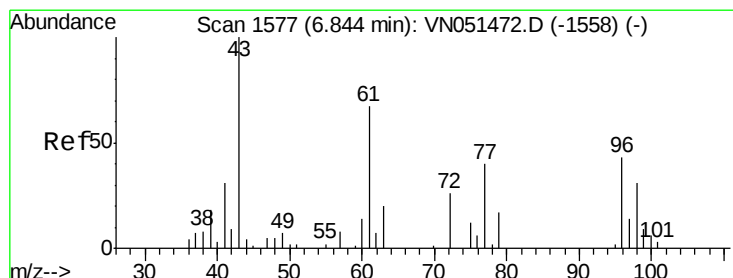
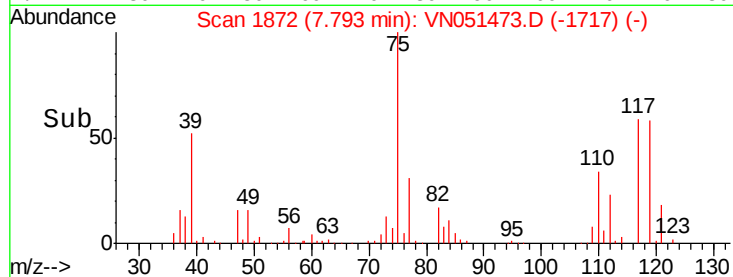
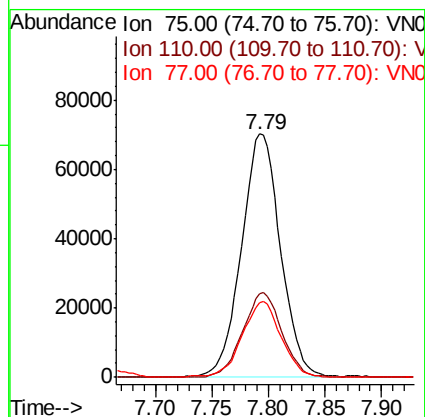
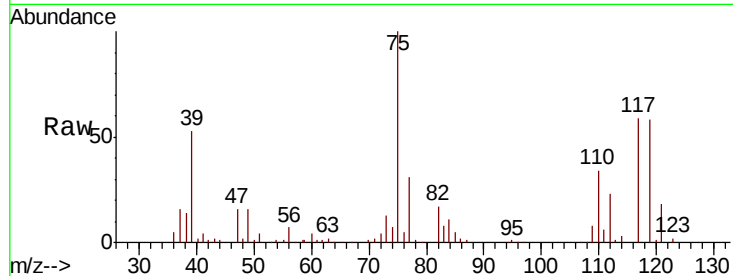




#29
 1,1-Dichloropropene
 Concen: 22.497 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

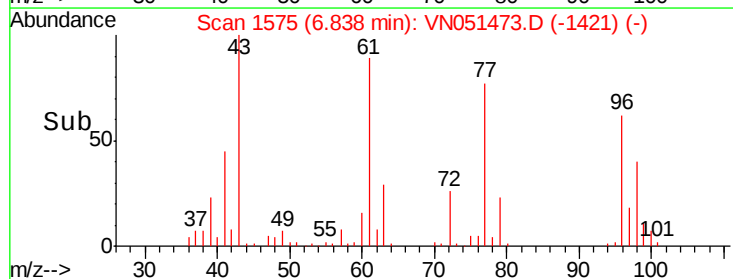
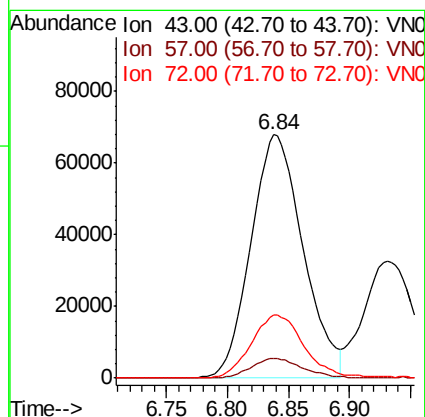
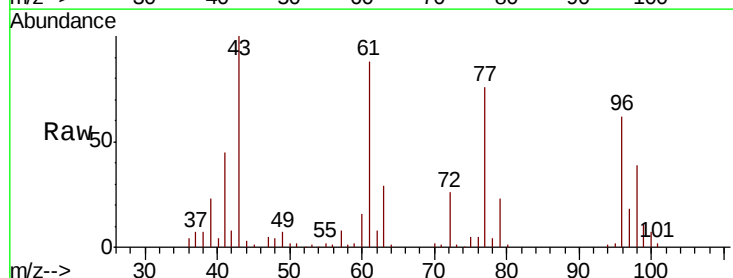
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

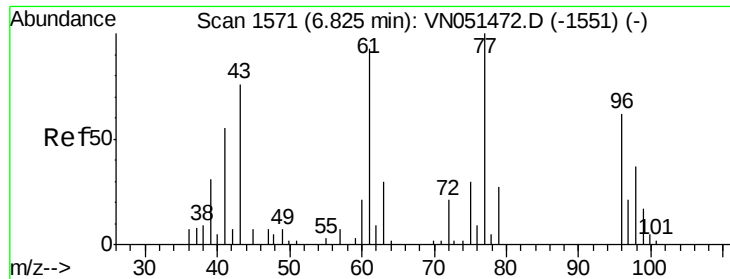
Tot Ion: 75 Resp: 167359
 Ion Ratio Lower Upper
 75 100
 110 35.2 0.0 70.8
 77 30.7 0.0 61.6



#30
 2-Butanone
 Concen: 104.211 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 43 Resp: 200251
 Ion Ratio Lower Upper
 43 100
 57 8.0 4.5 6.7#
 72 26.3 21.5 32.3

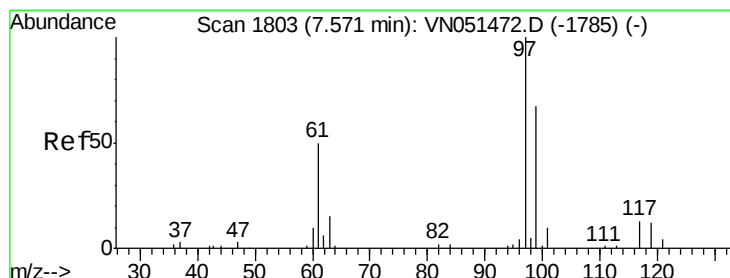
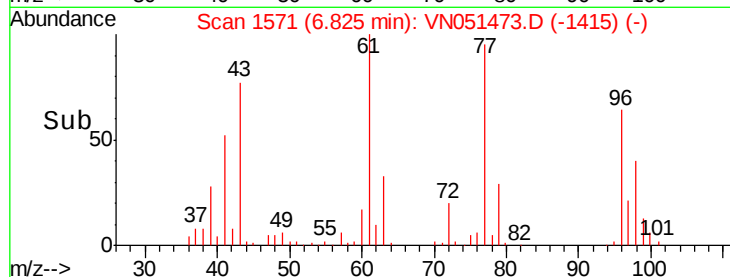
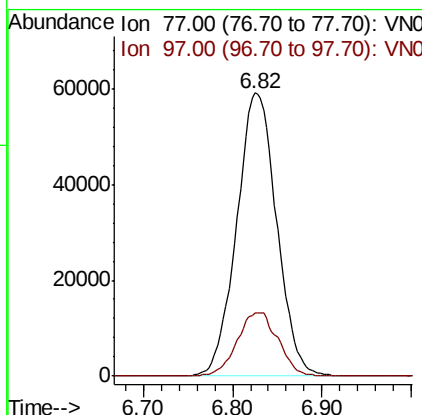
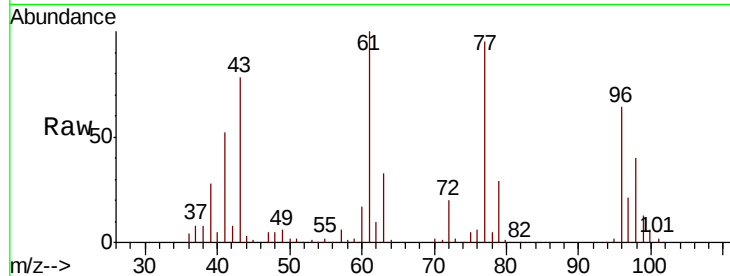




#31
 2,2-Dichloropropane
 Concen: 23.207 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

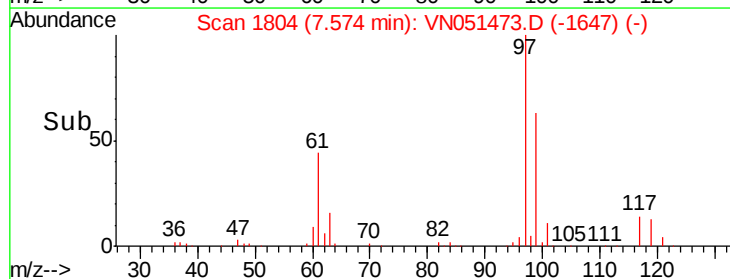
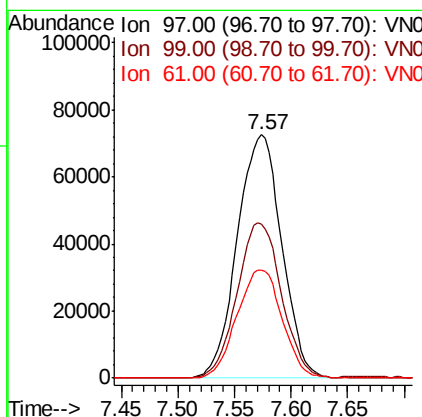
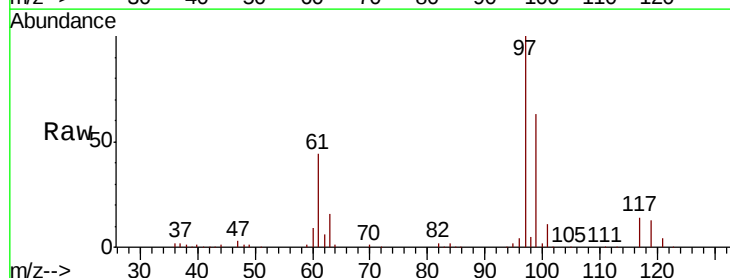
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

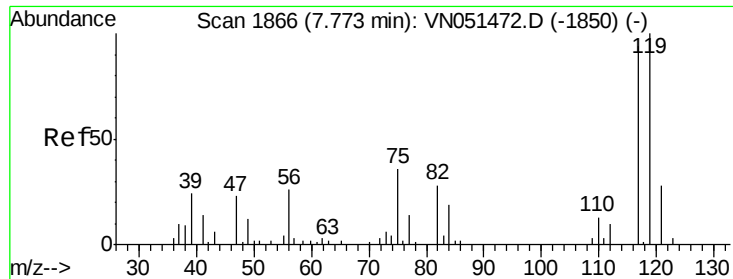
Tot Ion: 77 Resp: 184148
 Ion Ratio Lower Upper
 77 100
 97 22.9 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 23.351 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 97 Resp: 198314
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.6 77.4
 61 45.3 37.4 56.0

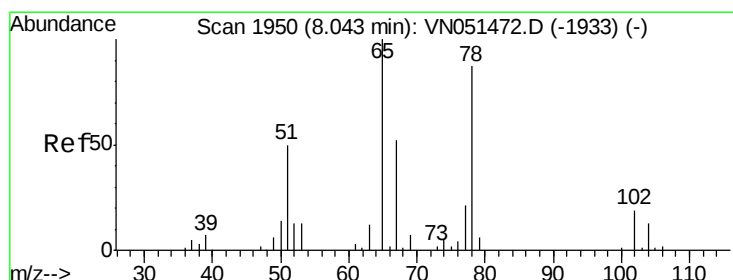
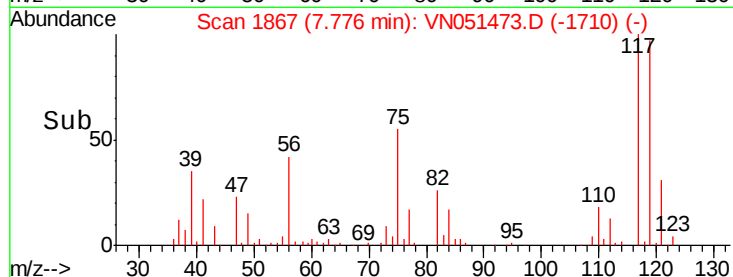
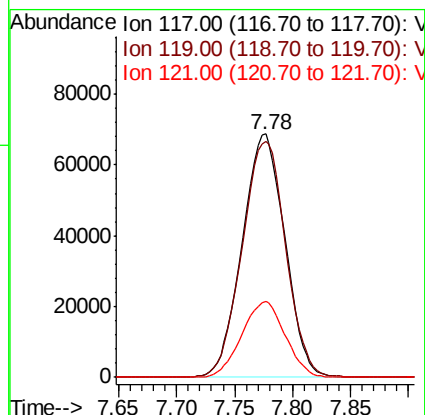
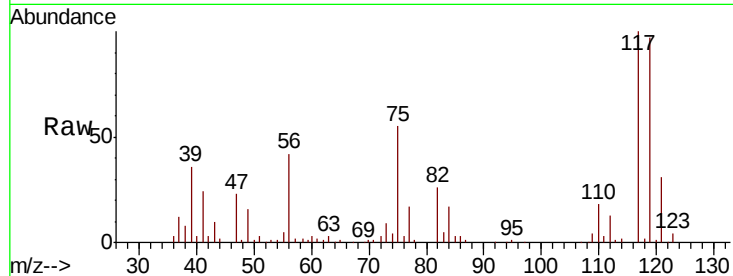




#33
Carbon Tetrachloride
Concen: 22.623 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

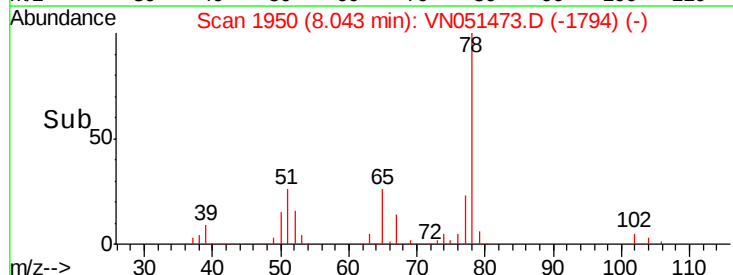
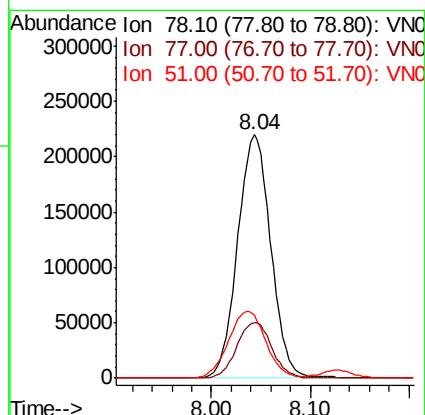
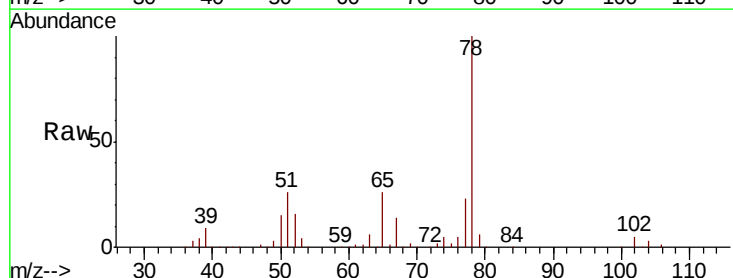
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

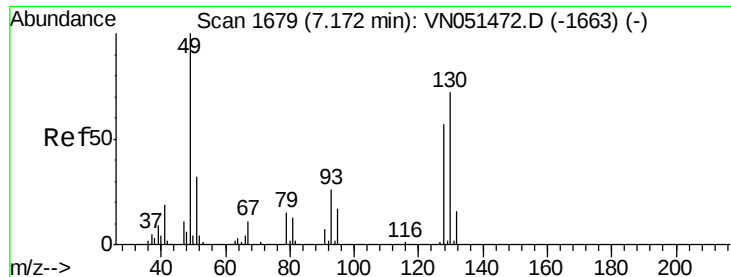
Tot Ion:117 Resp: 176289
Ion Ratio Lower Upper
117 100
119 96.8 85.1 127.7
121 31.4 24.2 36.2



#34
Benzene
Concen: 23.241 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 78 Resp: 513311
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2
51 25.6 46.2 69.4#

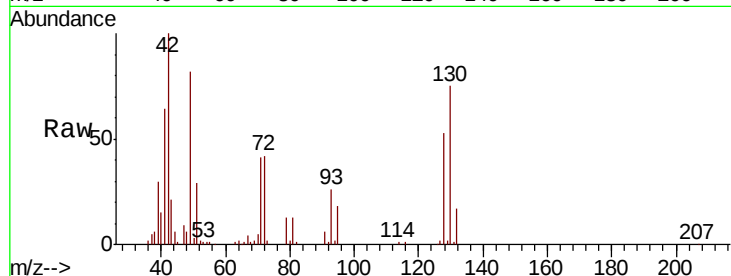




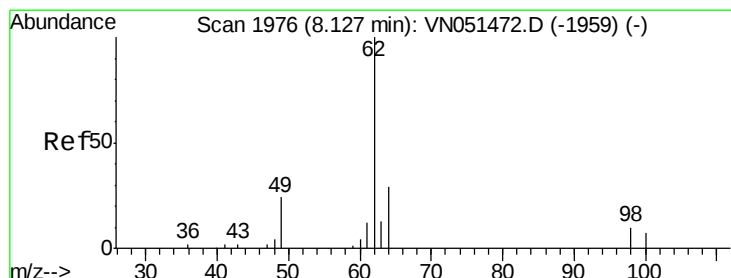
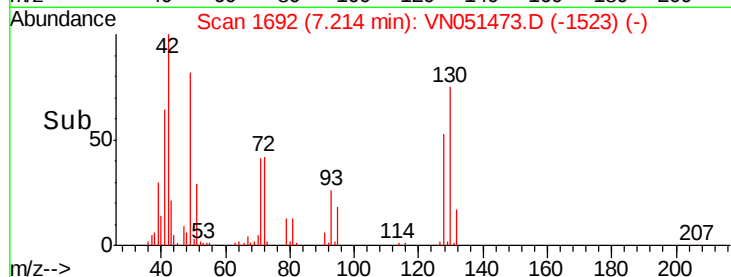
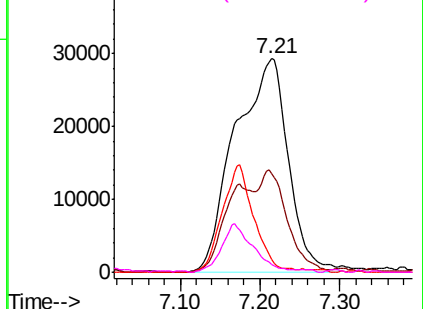
#35
Methacrylonitrile
Concen: 48.178 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 41 Resp: 133410
Ion Ratio Lower Upper
41 100
39 46.3 22.6 67.7
67 6.2 28.9 86.8#
52 3.9 11.3 33.9#

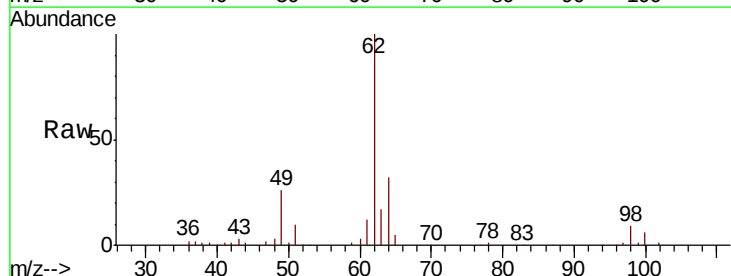


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

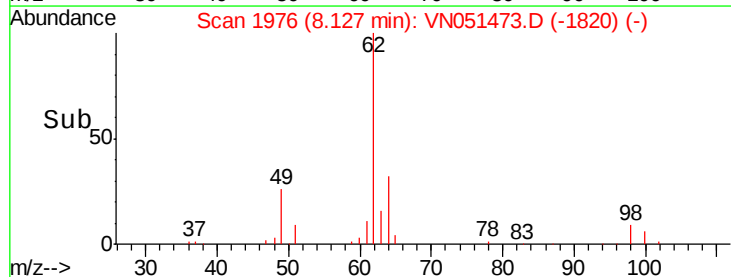
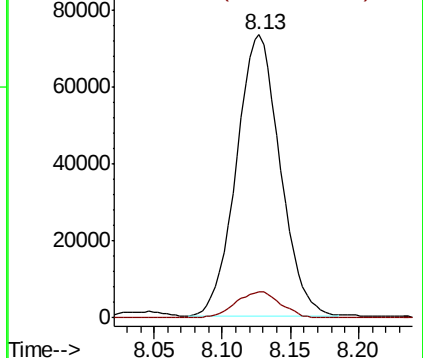


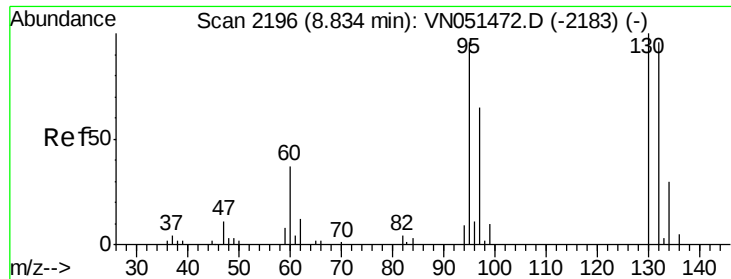
#36
1,2-Dichloroethane
Concen: 22.585 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 62 Resp: 162425
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3



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

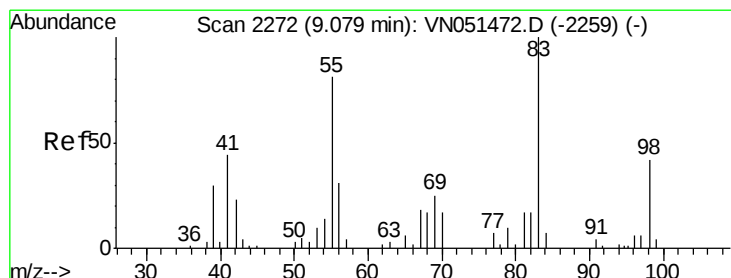
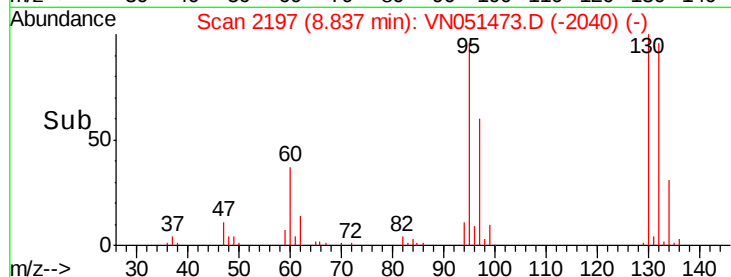
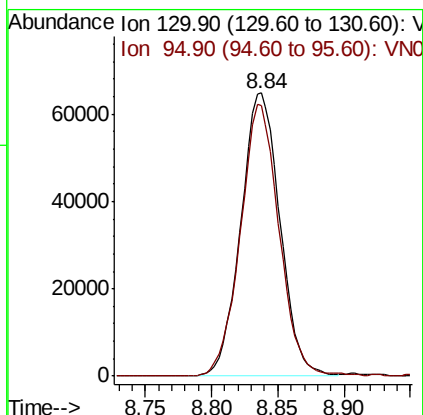
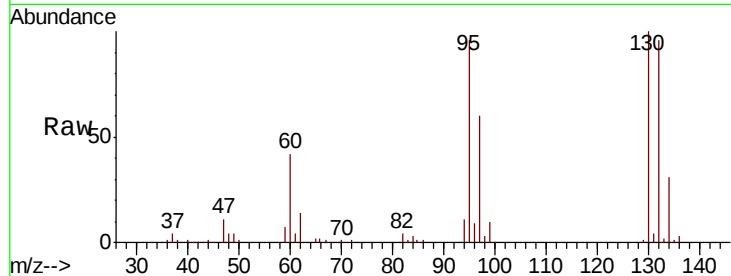




#37
 Trichloroethene
 Concen: 22.771 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

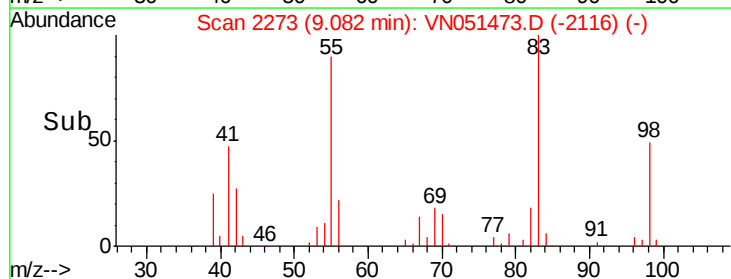
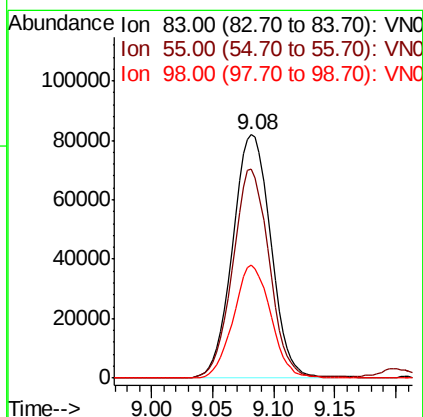
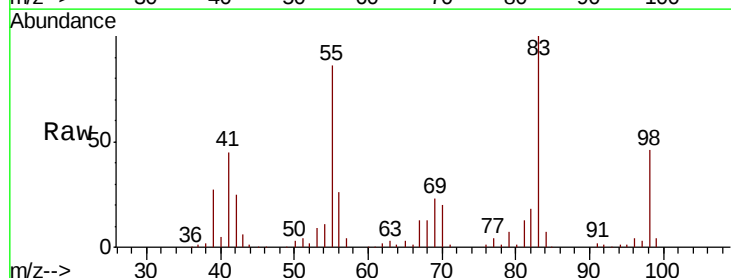
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

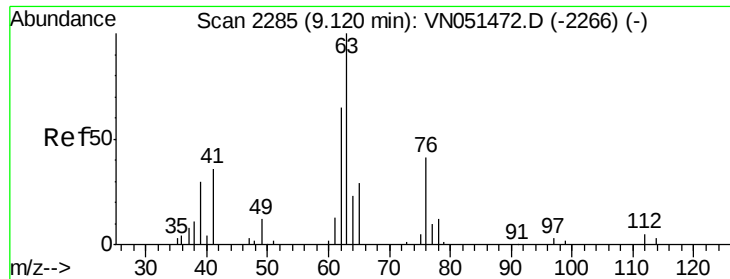
Tot Ion:130 Resp: 133298
 Ion Ratio Lower Upper
 130 100
 95 95.6 76.4 114.6



#38
 Methylcyclohexane
 Concen: 20.649 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 83 Resp: 178069
 Ion Ratio Lower Upper
 83 100
 55 82.3 43.0 129.2
 98 45.2 21.3 63.7





#39

1,2-Dichloropropane

Concen: 23.426 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

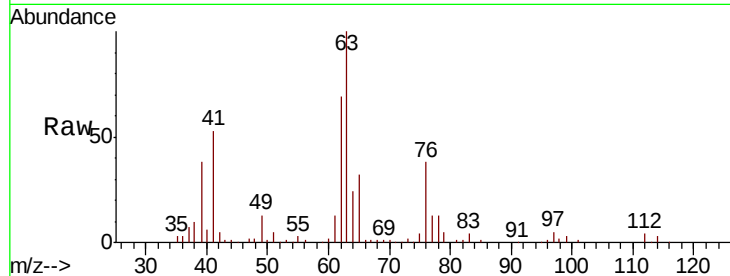
VSTDICCC020

Tot Ion: 63 Resp: 140747

Ion Ratio Lower Upper

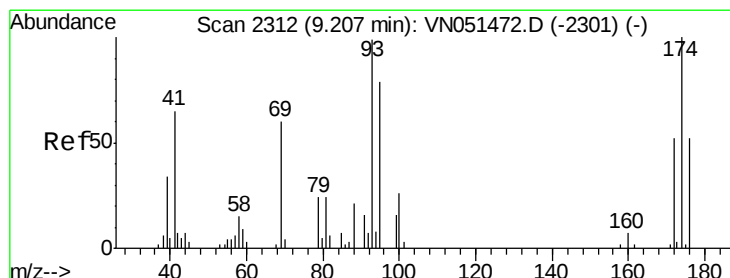
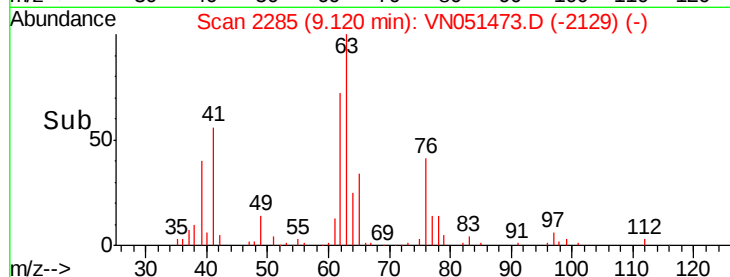
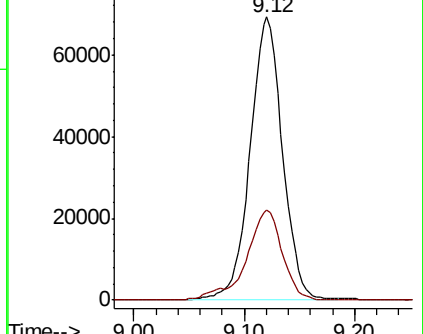
63 100

65 31.6 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: 23.616 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

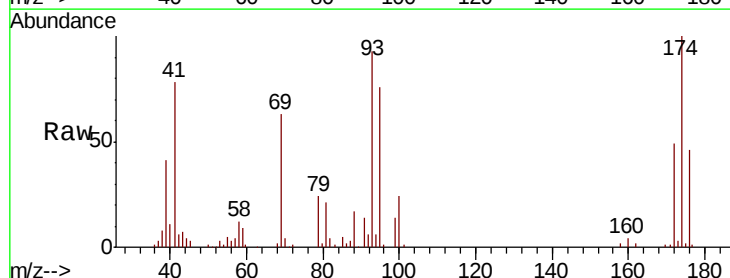
Tgt Ion: 93 Resp: 80758

Ion Ratio Lower Upper

93 100

95 82.4 0.0 162.0

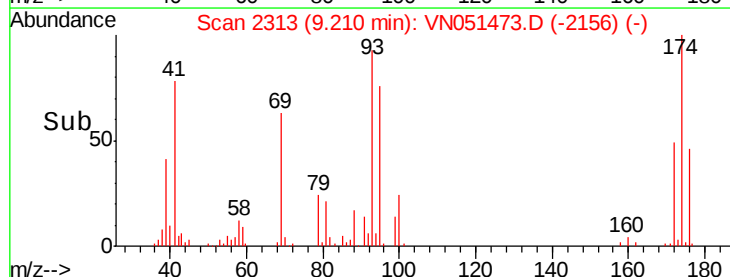
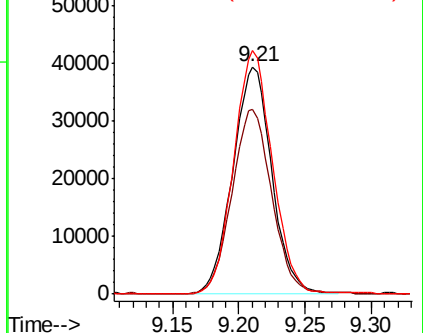
174 105.8 0.0 214.0

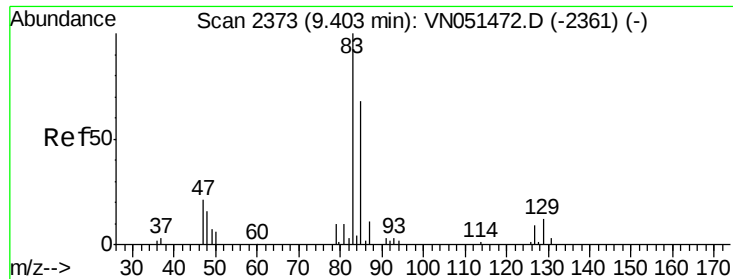


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

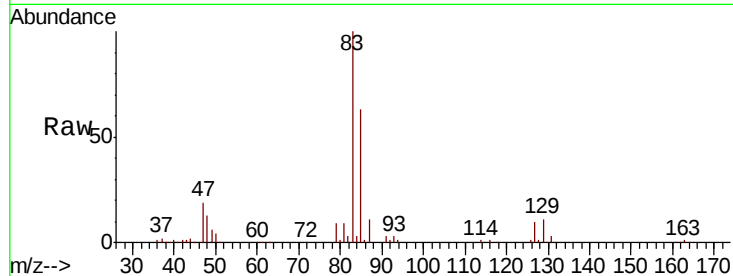




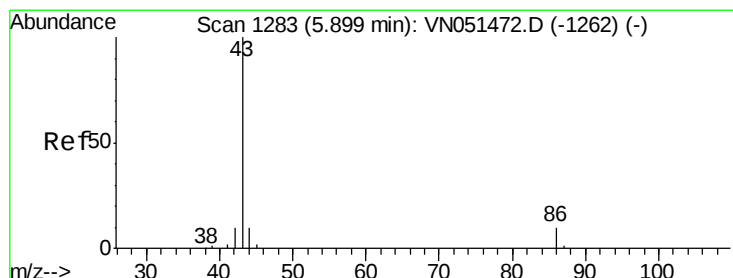
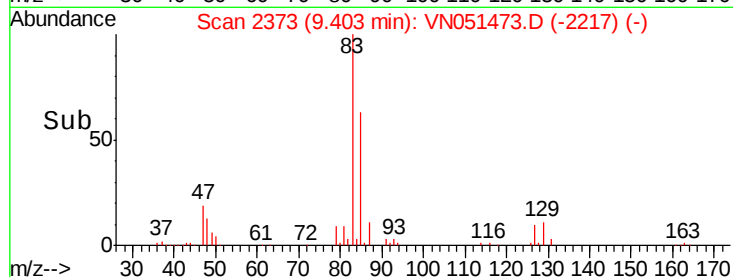
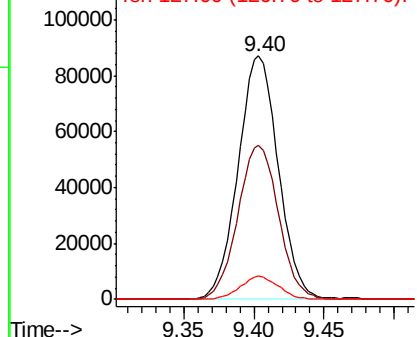
#41
 Bromodichloromethane
 Concen: 23.163 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 83 Resp: 174146
 Ion Ratio Lower Upper
 83 100
 85 63.4 55.7 83.5
 127 9.5 8.2 12.4

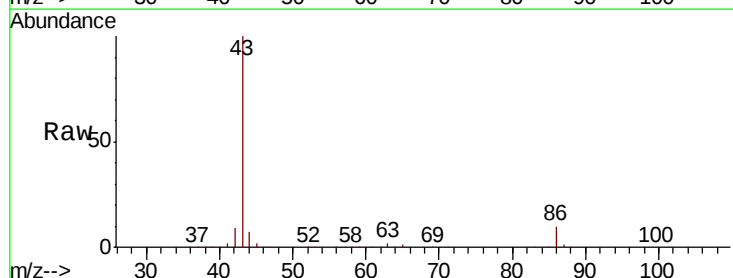


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

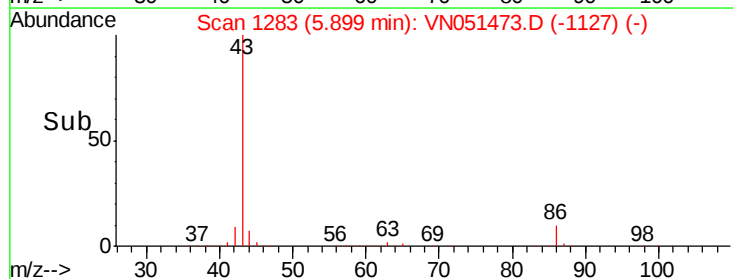
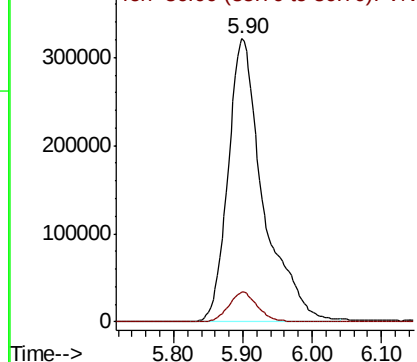


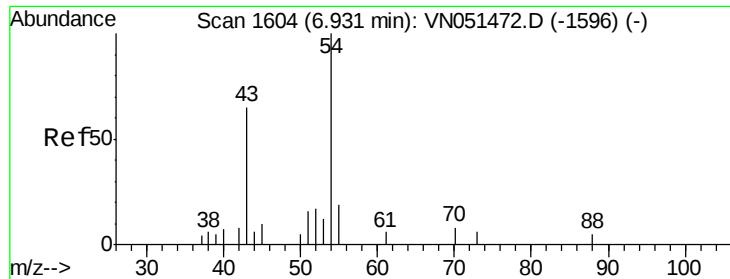
#42
 Vinyl Acetate
 Concen: 106.765 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 43 Resp: 1140800
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 22.592 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

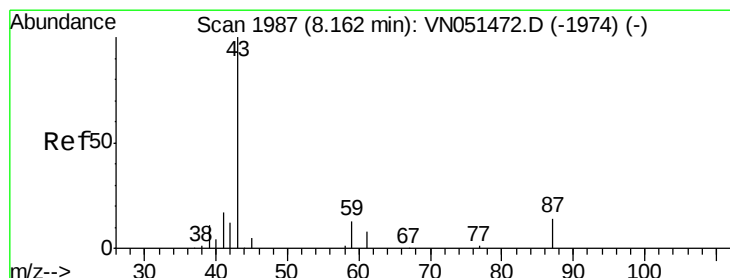
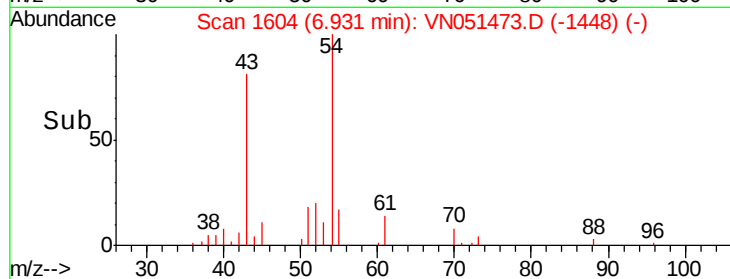
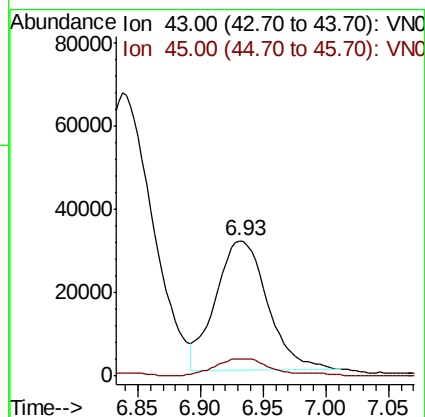
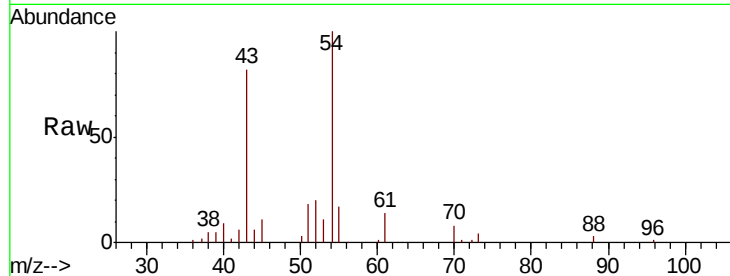
VSTDICCC020

Tot Ion: 43 Resp: 90328

Ion Ratio Lower Upper

43 100

45 6.9 11.0 16.6#



#44

Isopropyl Acetate

Concen: 21.267 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051473.D

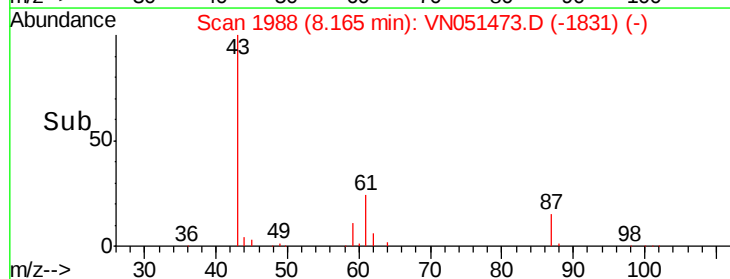
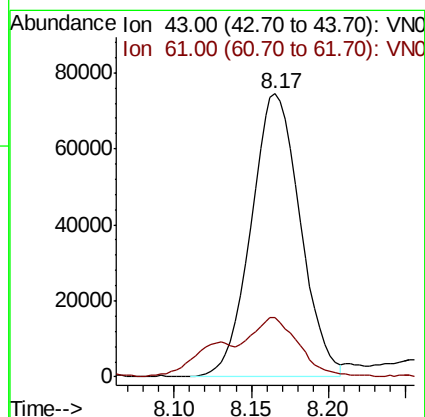
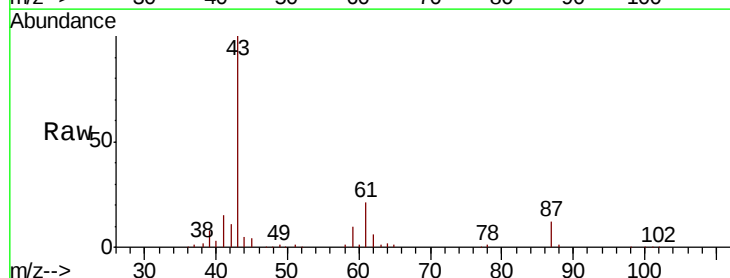
Acq: 25 Sep 2018 9:36

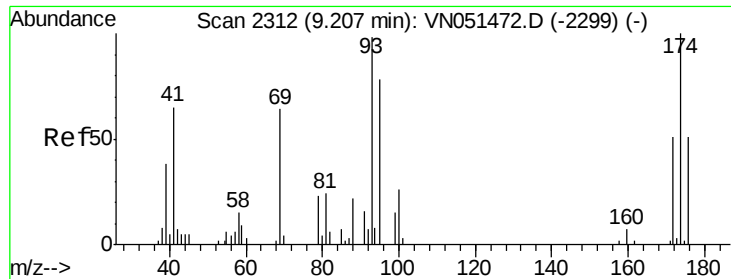
Tgt Ion: 43 Resp: 163539

Ion Ratio Lower Upper

43 100

61 21.1 15.9 23.9

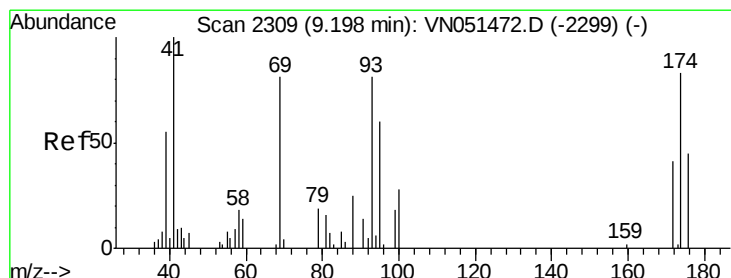
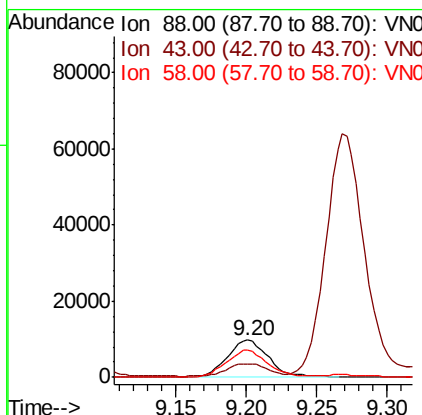
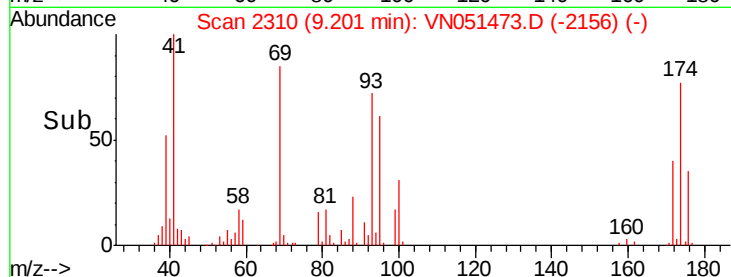
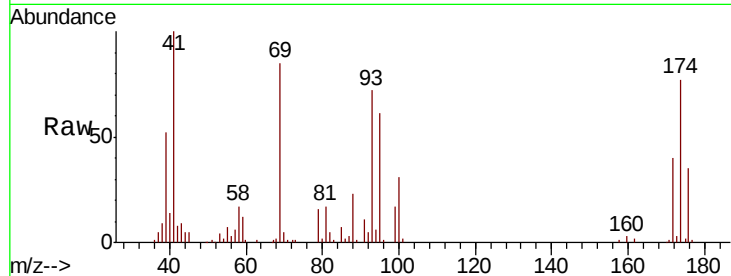




#45
 1,4-Dioxane
 Concen: 434.865 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

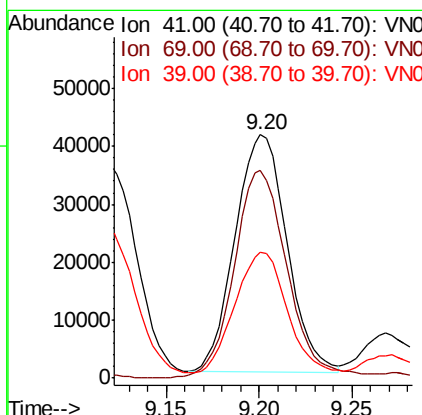
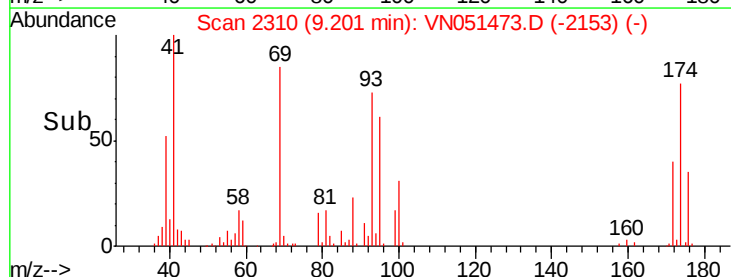
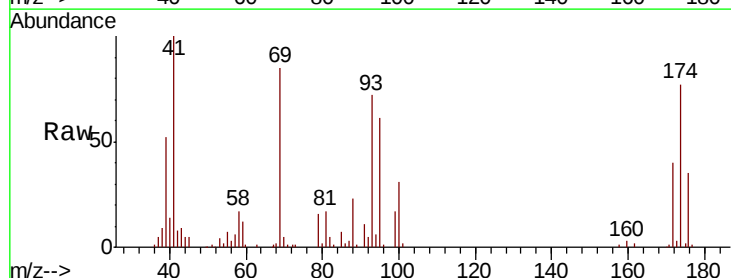
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

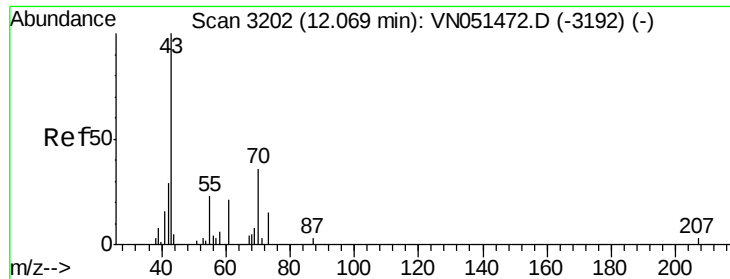
Tot Ion: 88 Resp: 20344
 Ion Ratio Lower Upper
 88 100
 43 27.5 26.2 39.2
 58 72.4 65.6 98.4



#46
 Methyl methacrylate
 Concen: 21.013 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 41 Resp: 80018
 Ion Ratio Lower Upper
 41 100
 69 86.4 40.7 122.1
 39 51.0 27.3 81.9





#47

n-amvl Acetate

Concen: 0.211 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.11 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

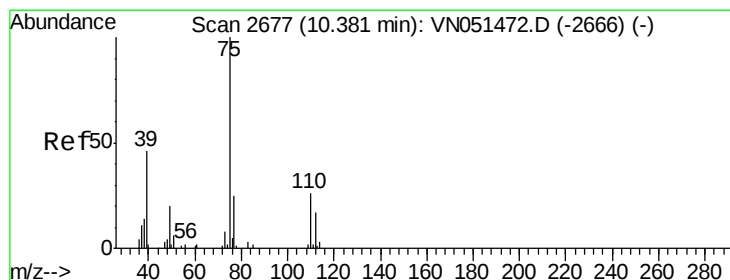
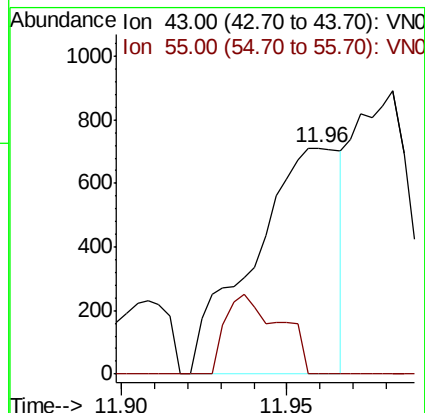
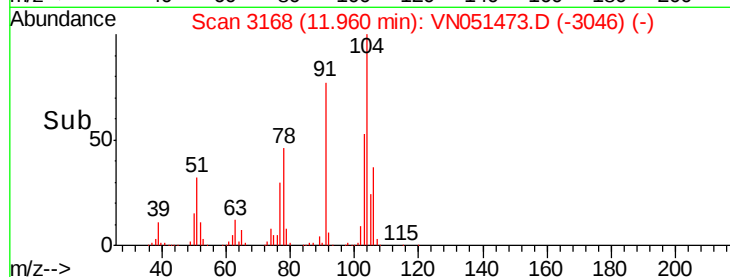
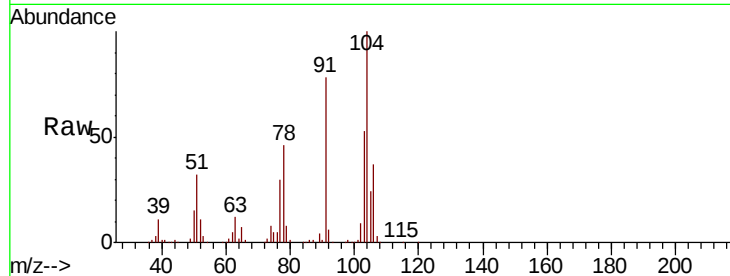
VSTDICCC020

Tot Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

55 14.9 12.2 18.4



#48

t-1,3-Dichloropropene

Concen: 21.259 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051473.D

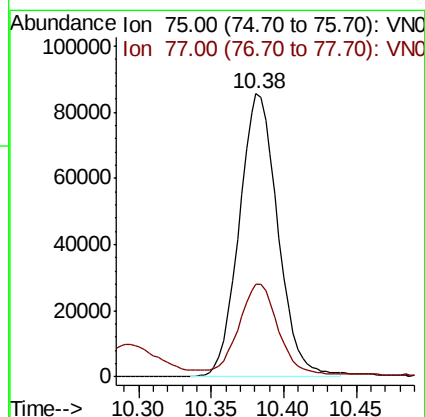
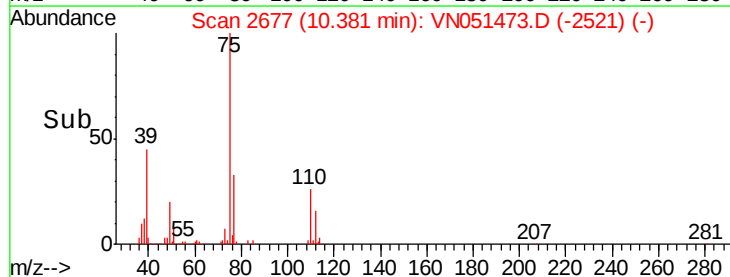
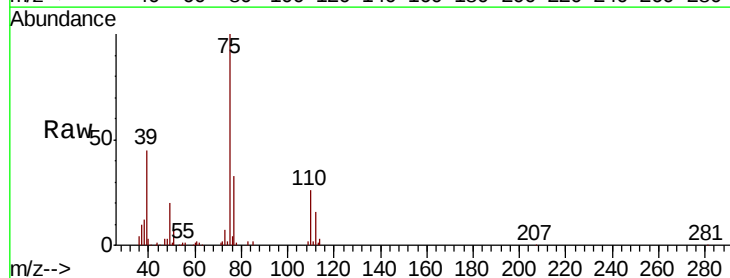
Acq: 25 Sep 2018 9:36

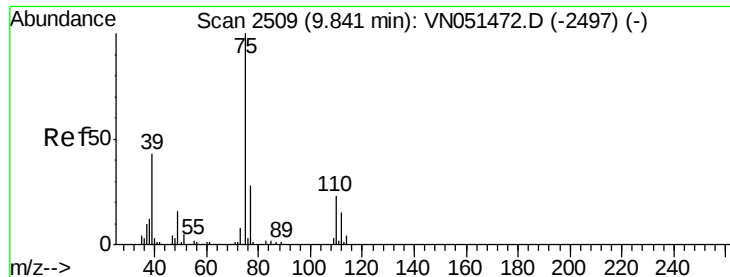
Tgt Ion: 75 Resp: 158718

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



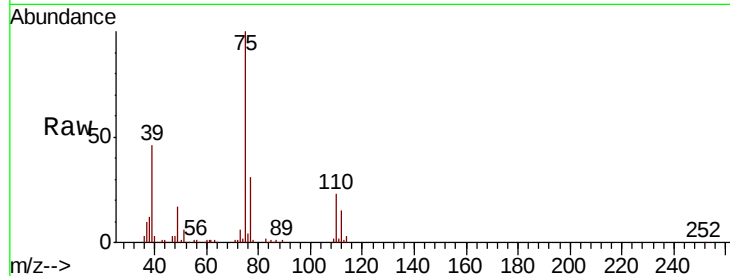


#49

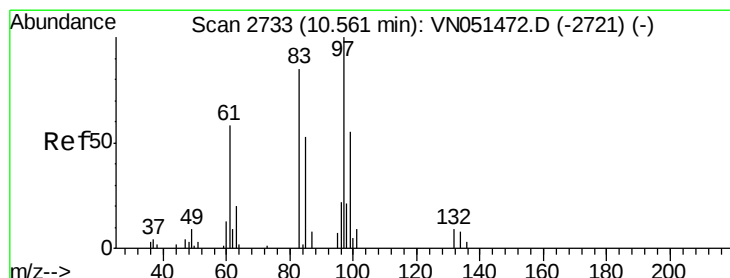
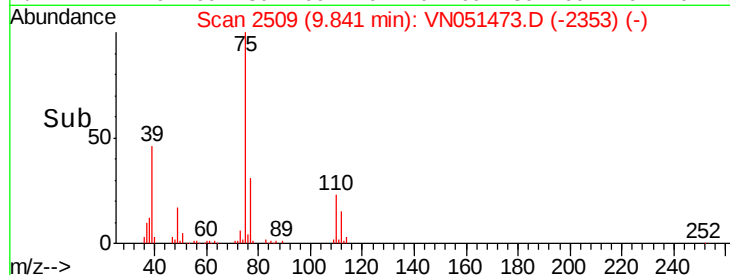
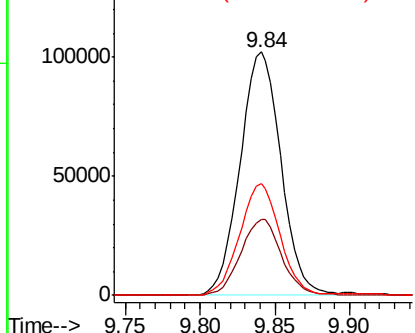
cis-1,3-Dichloropropene
 Concen: 22.504 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.2	34.8
39	46.2	34.6	52.0



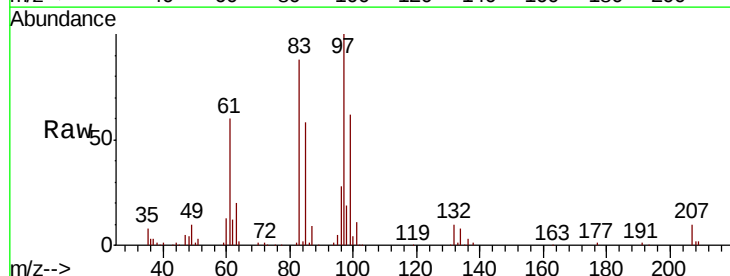
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



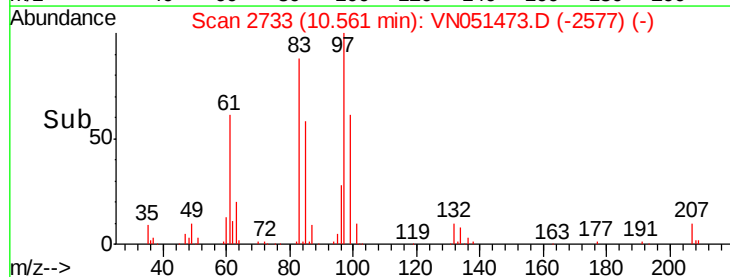
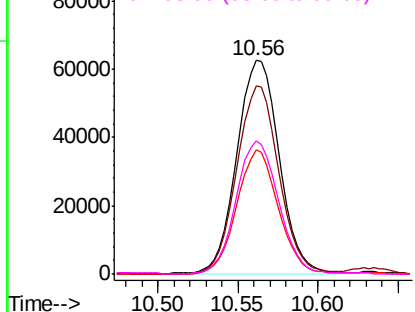
#50

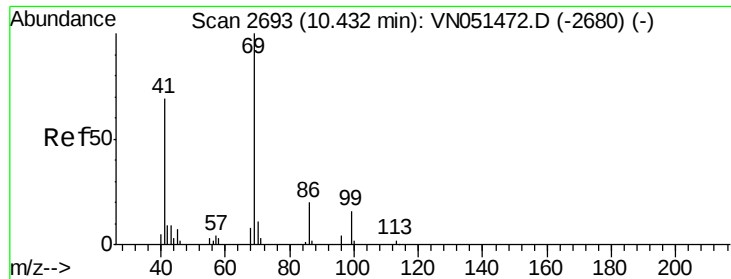
1,1,2-Trichloroethane
 Concen: 23.254 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.4
85	58.4	42.5	63.7
99	62.7	44.3	66.5



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





#51

Ethyl methacrylate

Concen: 20.404 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

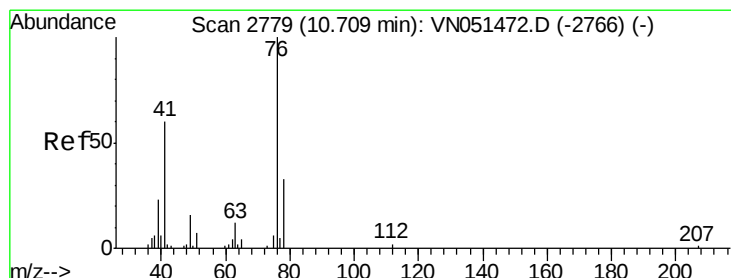
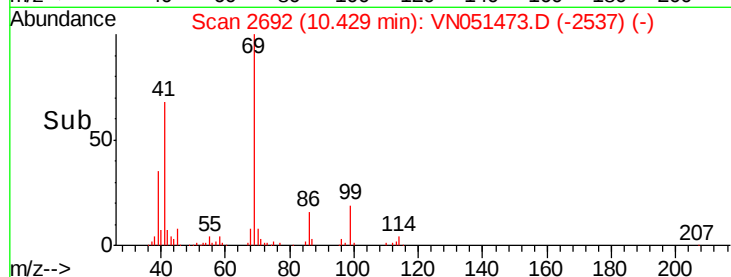
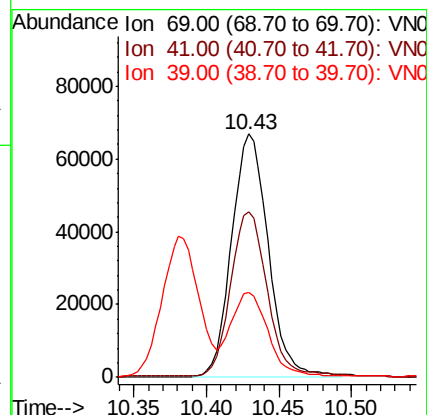
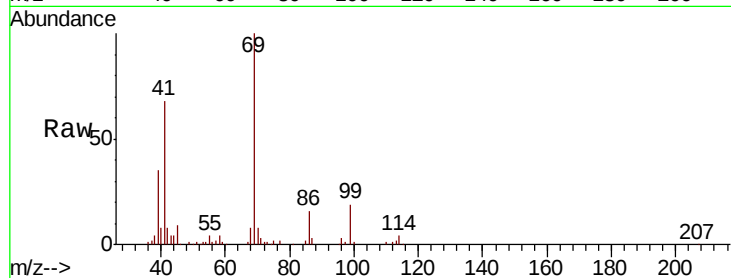
Tot Ion: 69 Resp: 118073

Ion Ratio Lower Upper

69 100

41 67.3 34.4 103.1

39 34.4 16.3 48.8



#52

1,3-Dichloropropane

Concen: 22.839 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051473.D

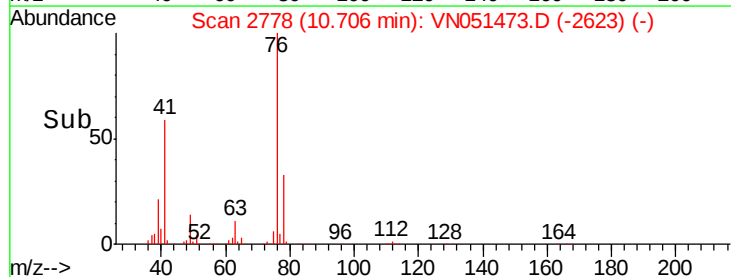
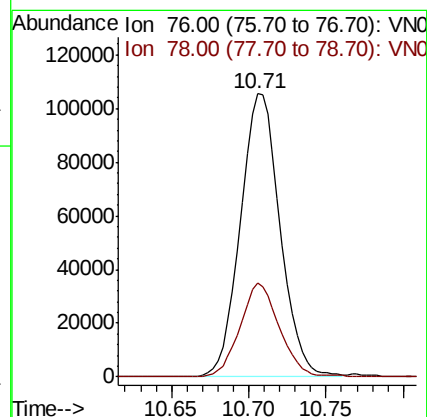
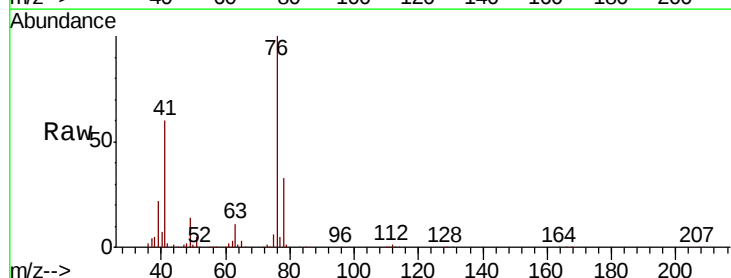
Acq: 25 Sep 2018 9:36

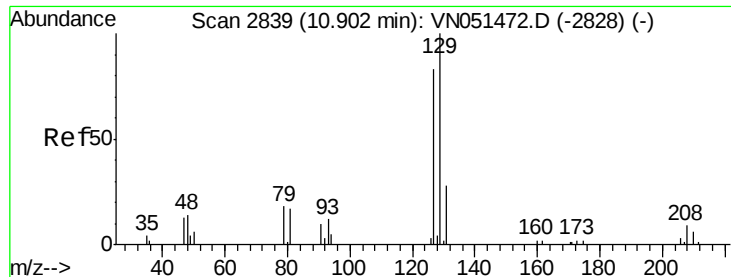
Tgt Ion: 76 Resp: 188397

Ion Ratio Lower Upper

76 100

78 32.9 0.0 67.6

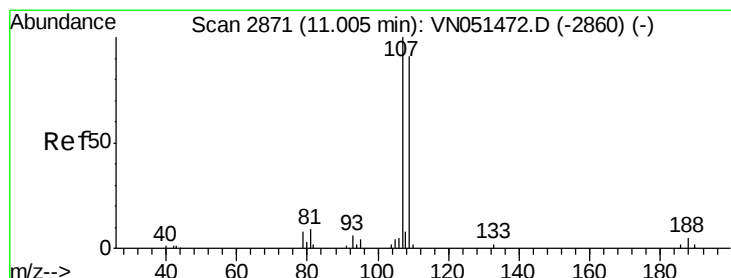
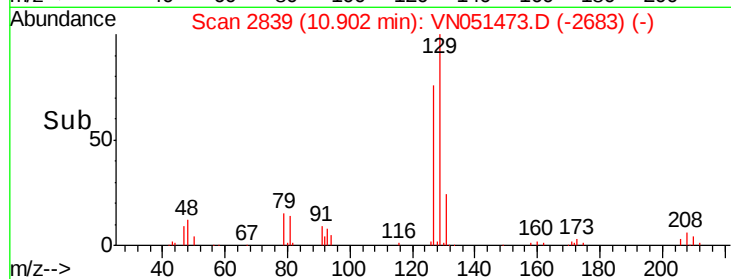
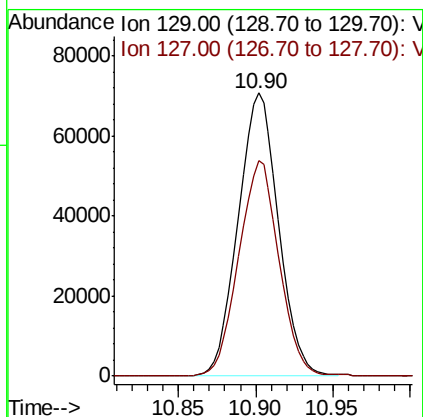
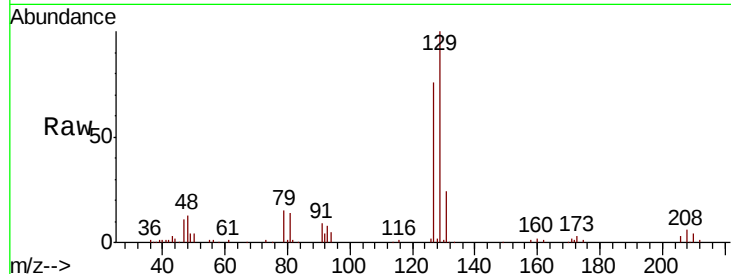




#53
Dibromochloromethane
Concen: 22.851 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

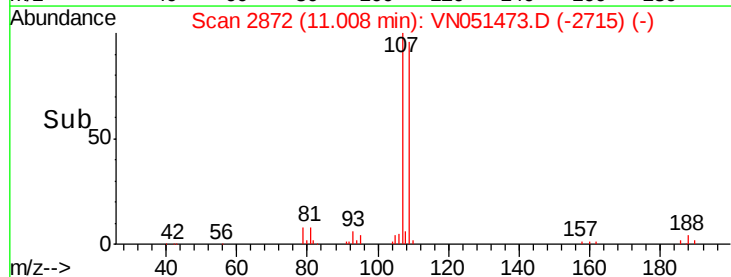
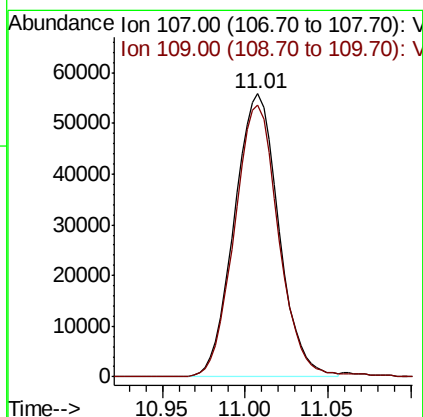
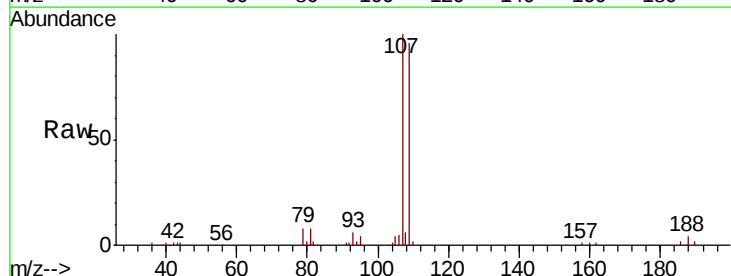
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

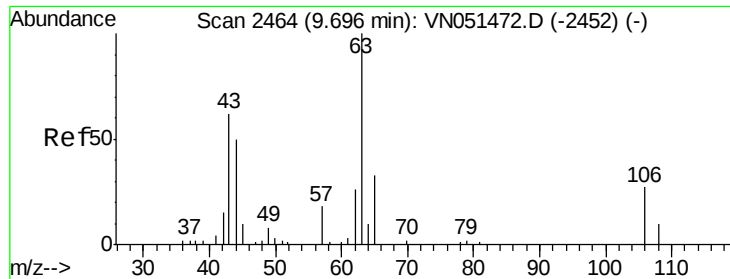
Tot Ion:129 Resp: 128522
Ion Ratio Lower Upper
129 100
127 76.1 40.2 120.5



#54
1,2-Dibromoethane
Concen: 22.087 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion:107 Resp: 104200
Ion Ratio Lower Upper
107 100
109 95.1 77.4 116.0

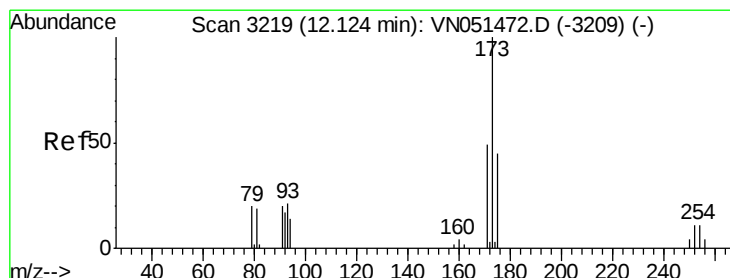
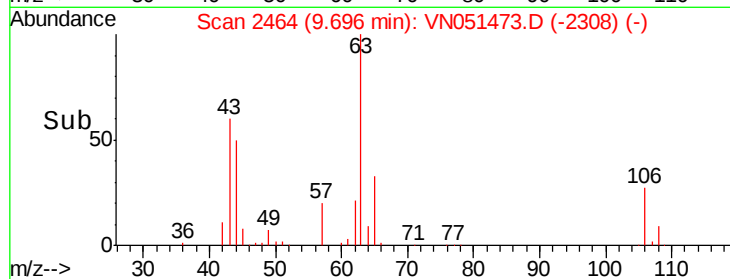
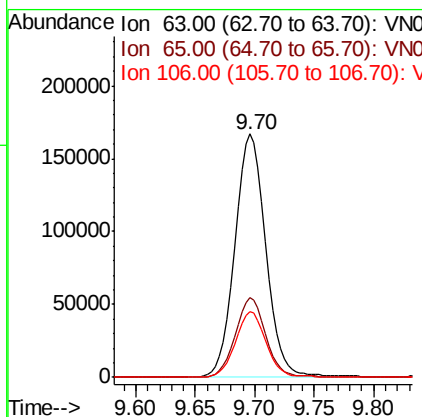
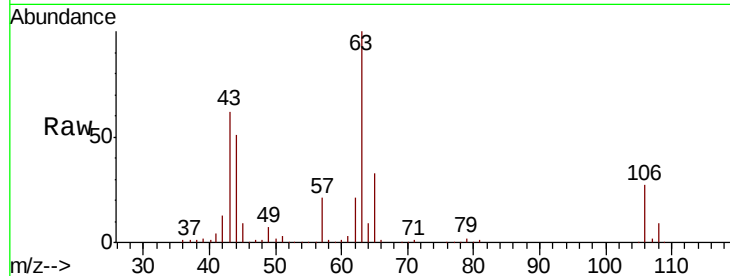




#55
 2-Chloroethyl vinyl ether
 Concen: 105.433 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

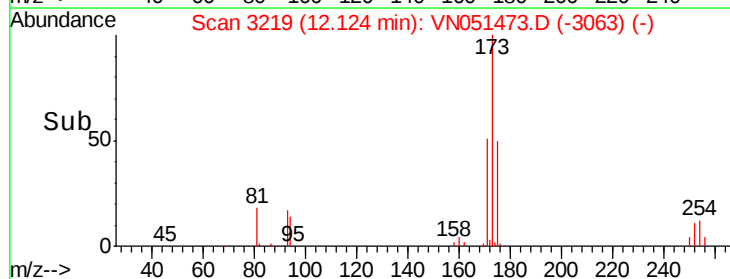
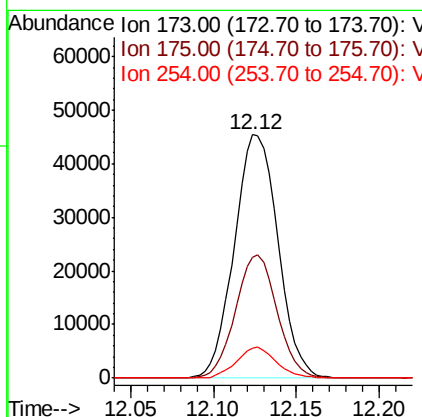
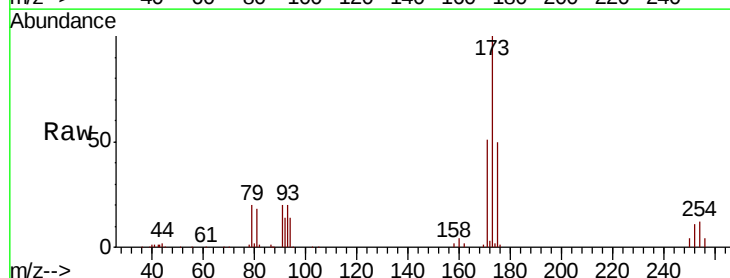
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

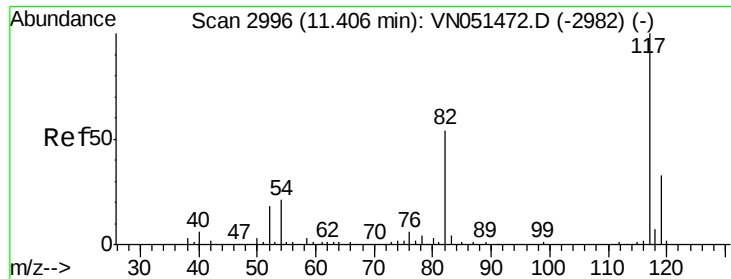
Tot Ion: 63 Resp: 301270
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.0
 106 26.8 21.2 31.8



#56
 Bromoform
 Concen: 21.991 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion: 173 Resp: 83384
 Ion Ratio Lower Upper
 173 100
 175 48.1 35.8 53.8
 254 11.6 8.6 13.0

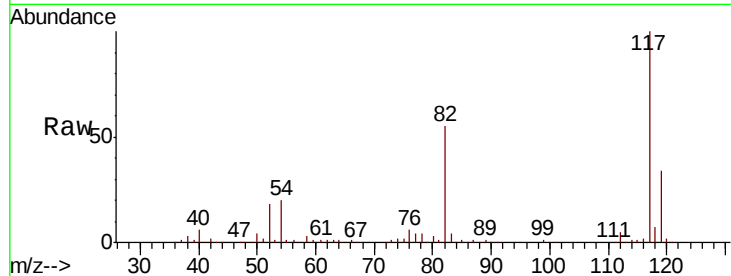




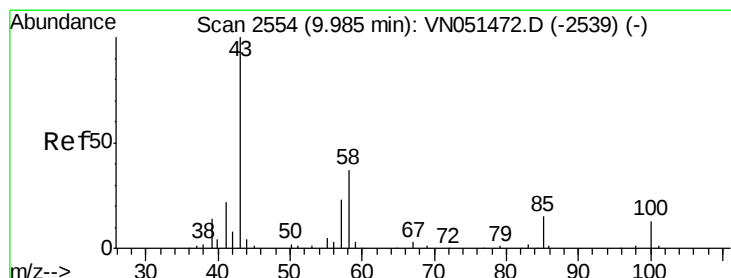
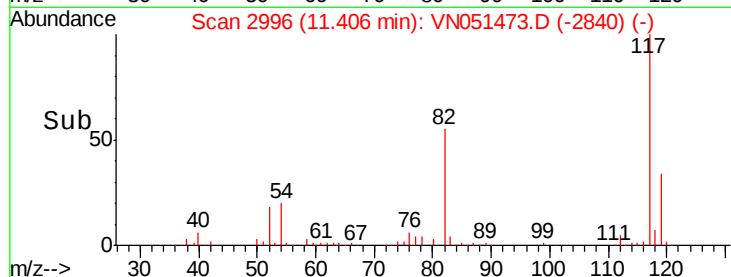
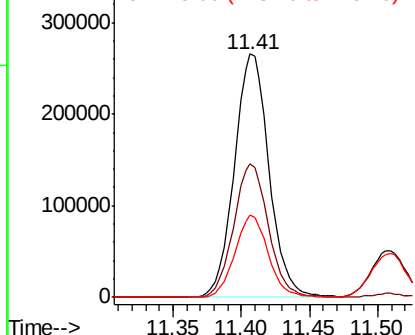
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 468308
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 32.5 25.8 38.8

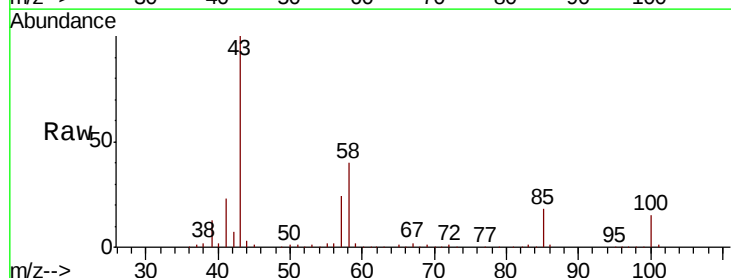


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

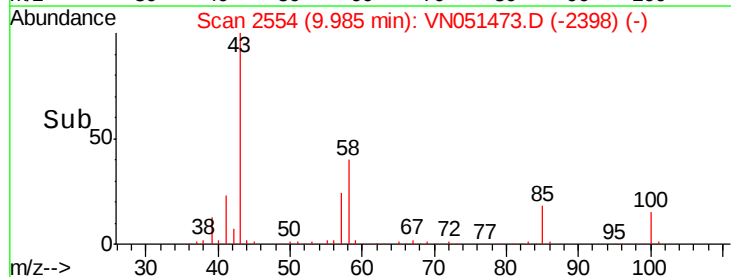
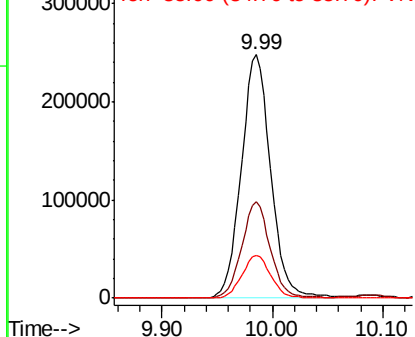


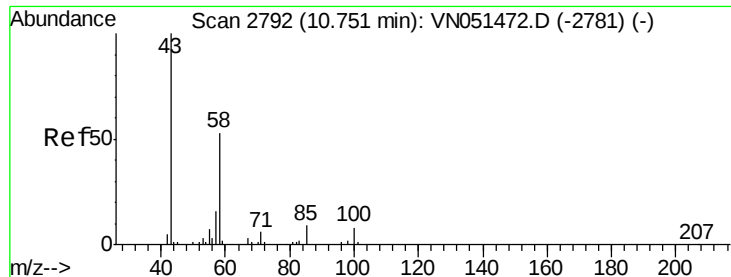
#58
4-Methyl-2-Pentanone
Concen: 110.766 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion: 43 Resp: 455871
Ion Ratio Lower Upper
43 100
58 38.4 29.3 43.9
85 17.3 12.6 18.8



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

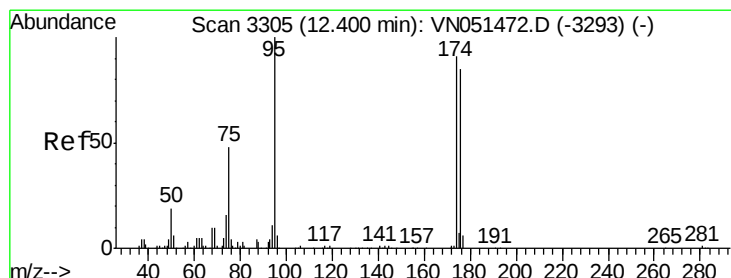
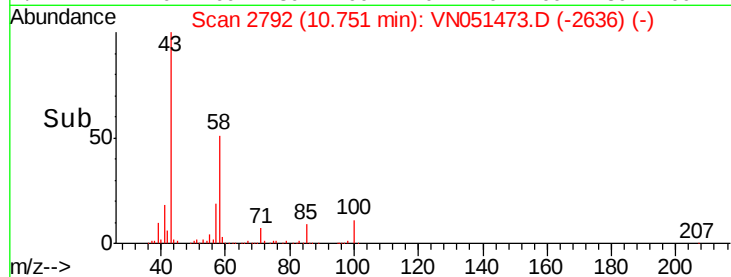
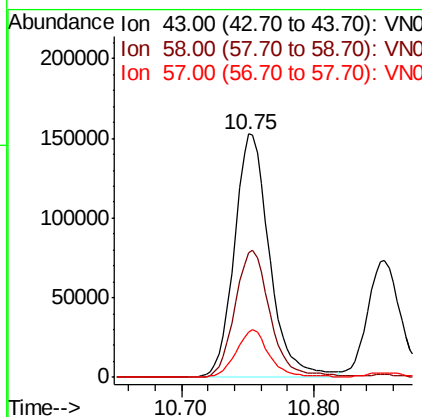
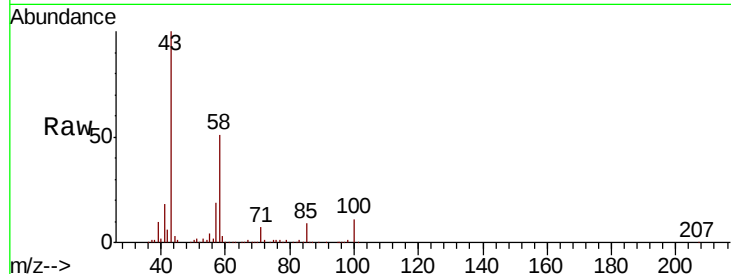




#59
2-Hexanone
Concen: 103.246 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

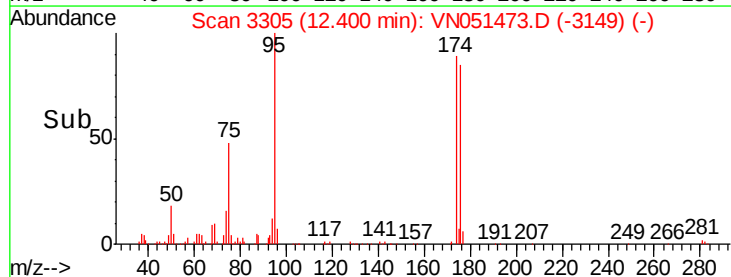
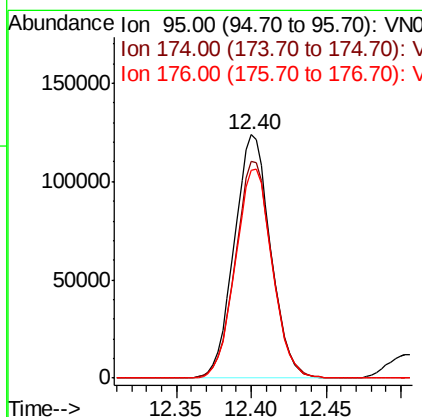
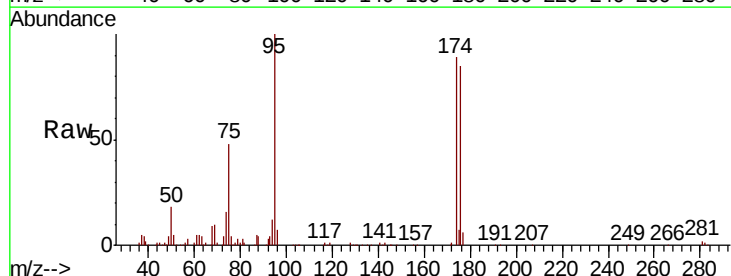
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

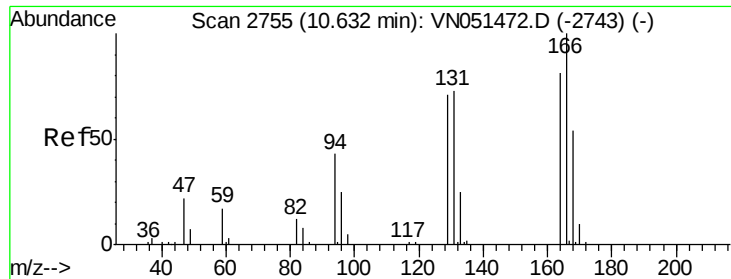
Tot Ion	43	Resp	279666
Ion Ratio	Lower	Upper	
43	100		
58	52.9	41.3	61.9
57	18.8	13.4	20.0



#60
4-Bromofluorobenzene
Concen: 30.426 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion	95	Resp	209187
Ion Ratio	Lower	Upper	
95	100		
174	89.9	73.5	110.3
176	87.2	70.2	105.2





#61

Tetrachloroethene

Concen: 23.457 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:164 Resp: 127802

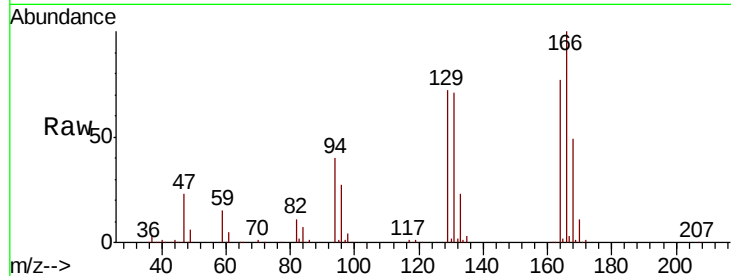
Ion Ratio Lower Upper

164 100

166 130.2 98.7 148.1

129 93.8 69.6 104.4

131 92.1 72.4 108.6

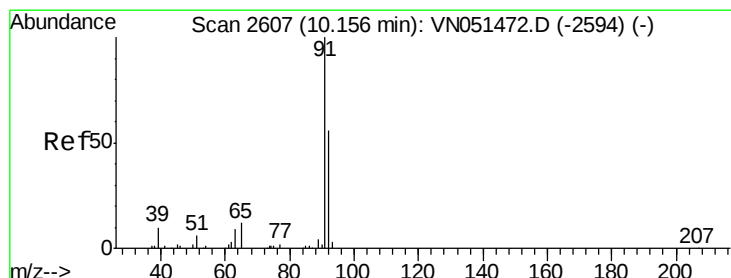
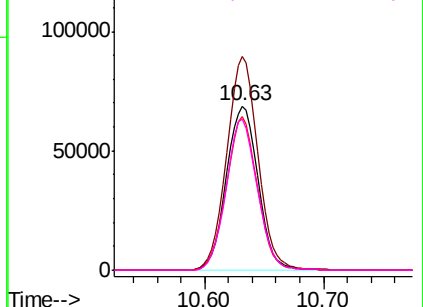
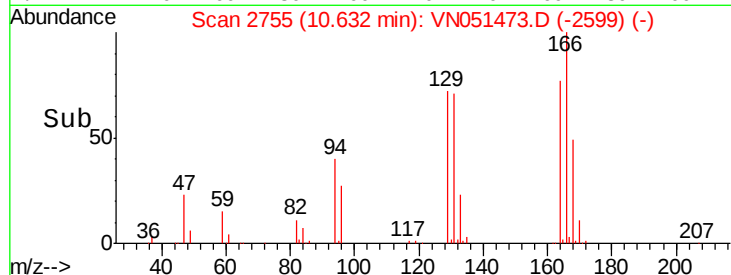


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 23.074 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051473.D

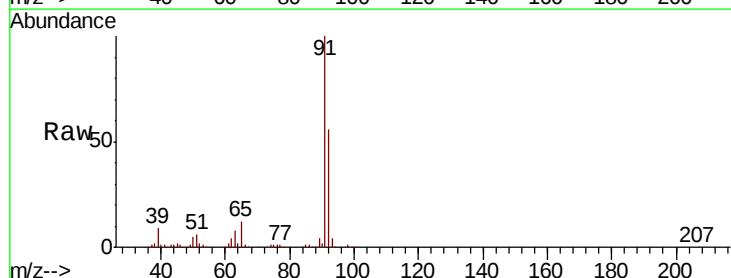
Acq: 25 Sep 2018 9:36

Tgt Ion: 91 Resp: 553184

Ion Ratio Lower Upper

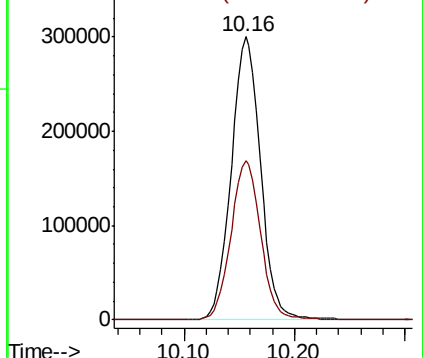
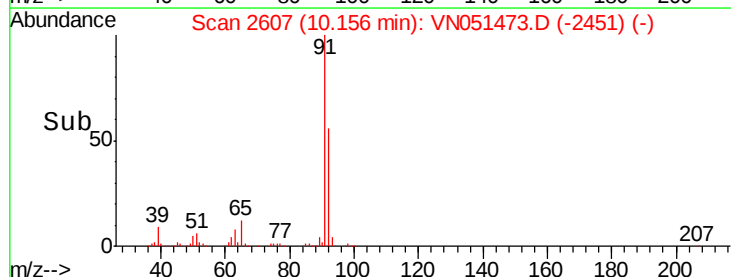
91 100

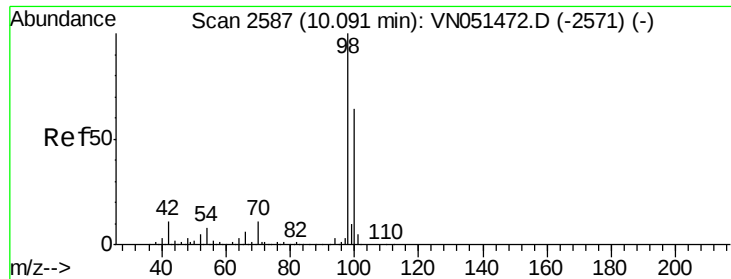
92 56.8 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.016 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

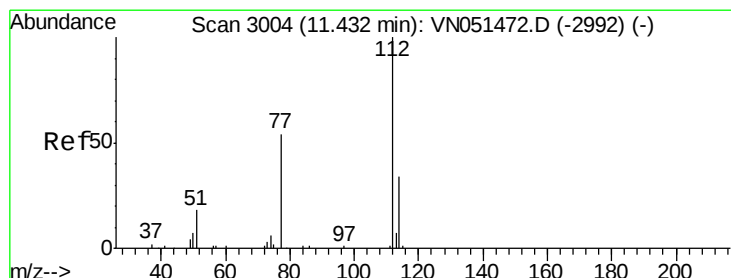
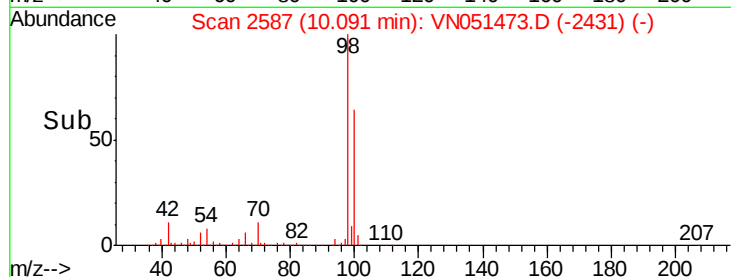
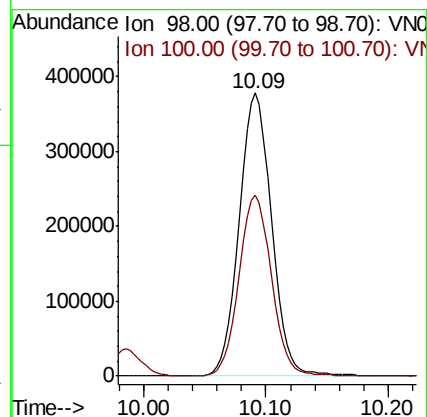
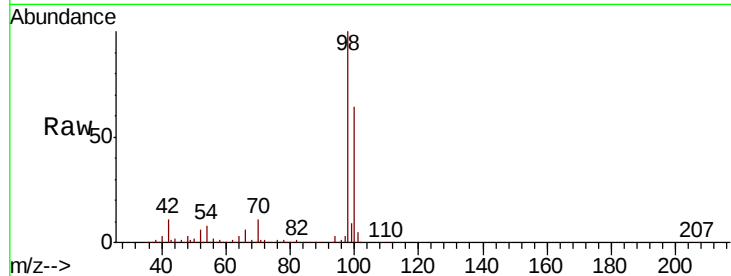
VSTDICCC020

Tot Ion: 98 Resp: 696423

Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2



#64

Chlorobenzene

Concen: 22.627 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051473.D

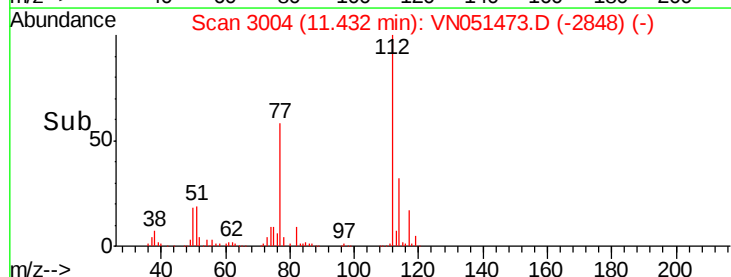
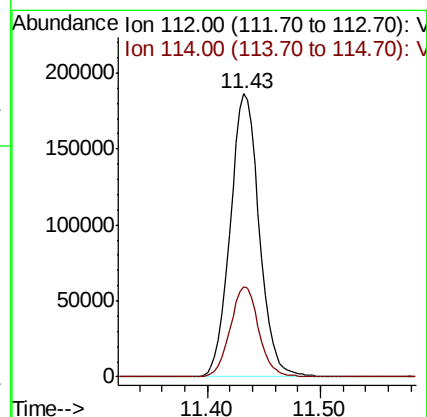
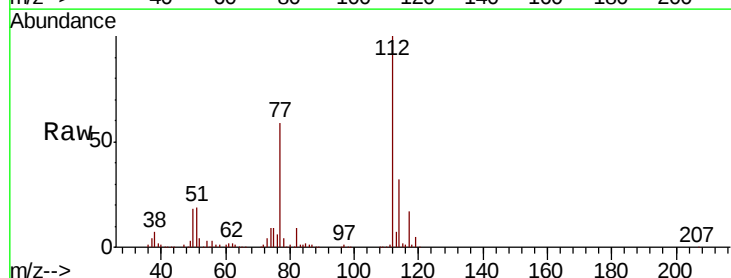
Acq: 25 Sep 2018 9:36

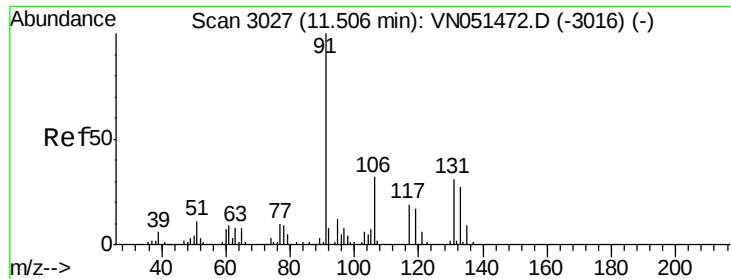
Tgt Ion: 112 Resp: 332586

Ion Ratio Lower Upper

112 100

114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 23.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

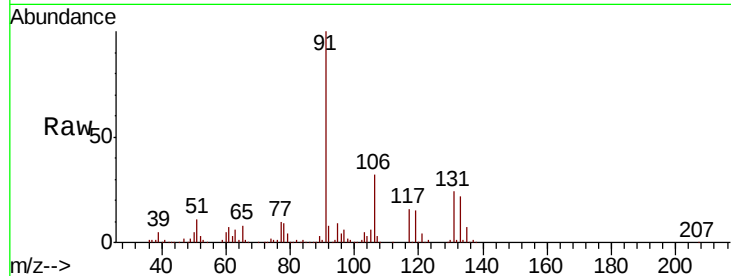
Tot Ion:131 Resp: 131694

Ion Ratio Lower Upper

131 100

133 93.7 0.0 190.4

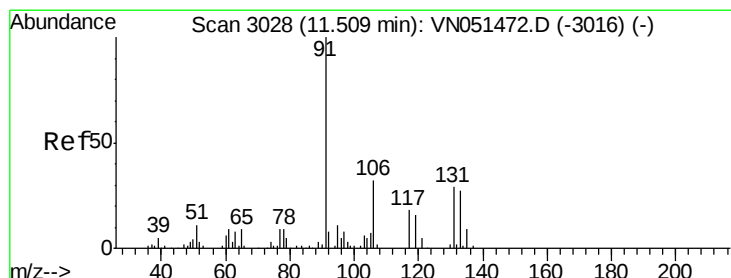
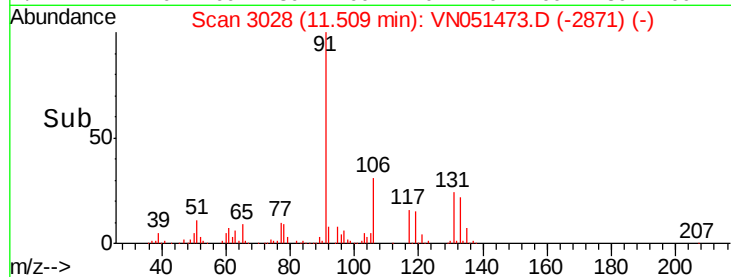
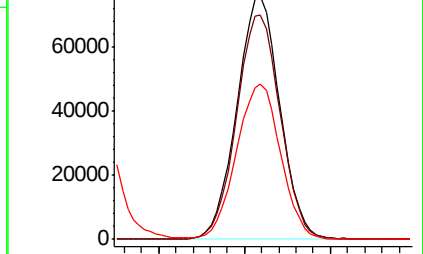
119 65.6 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 21.735 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051473.D

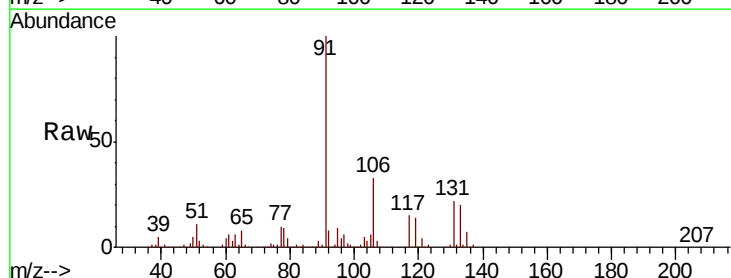
Acq: 25 Sep 2018 9:36

Tgt Ion: 91 Resp: 537569

Ion Ratio Lower Upper

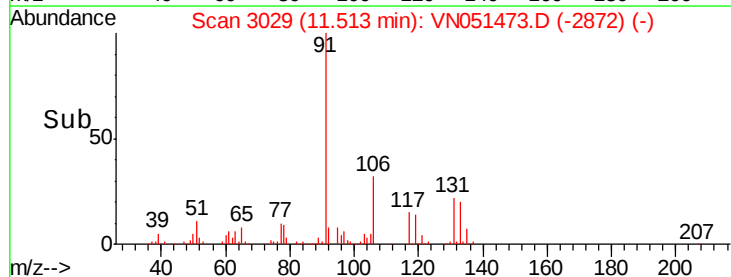
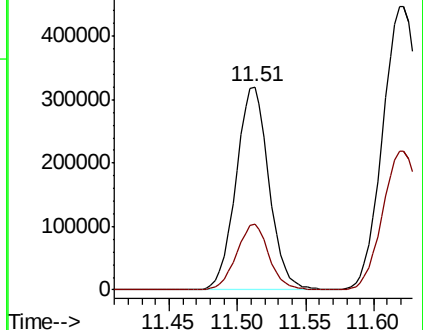
91 100

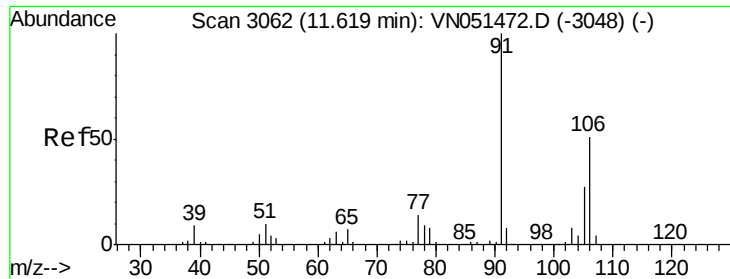
106 32.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

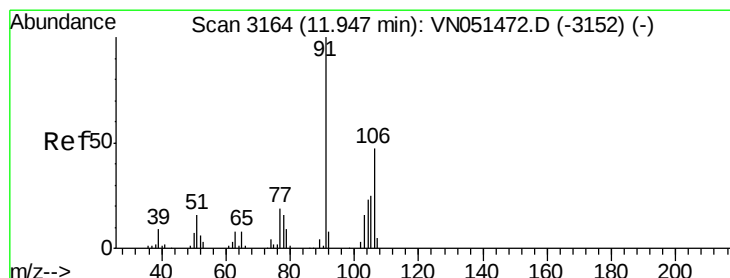
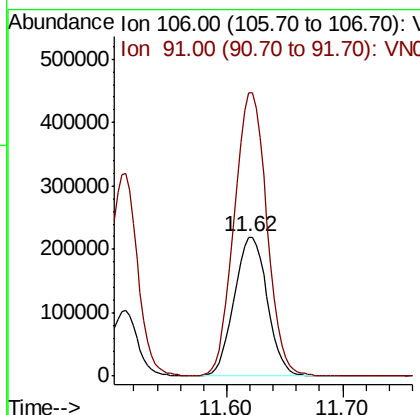
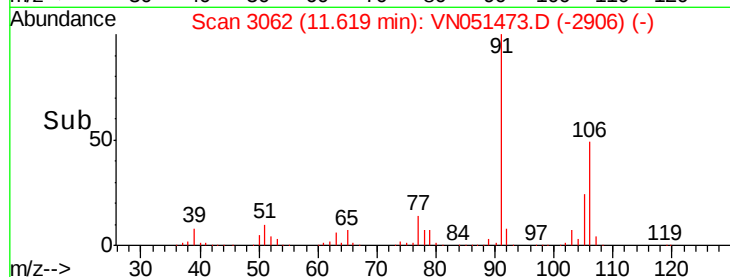
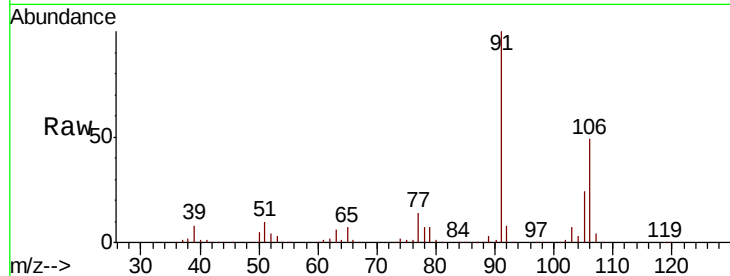




#67
m/p-Xylenes
Concen: 45.533 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

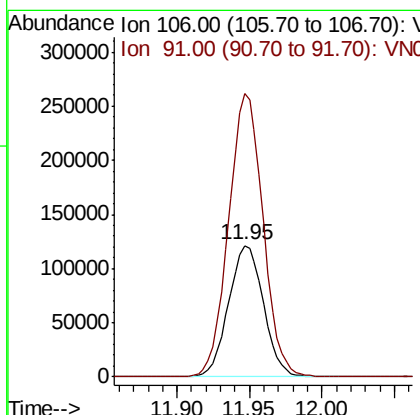
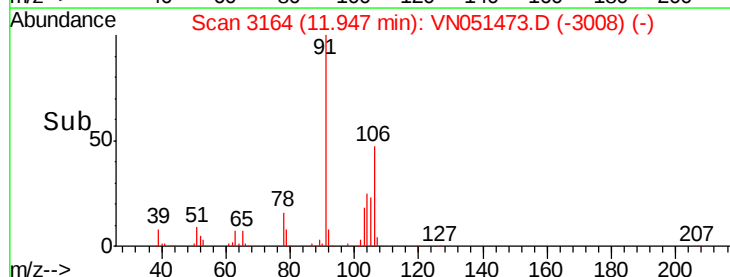
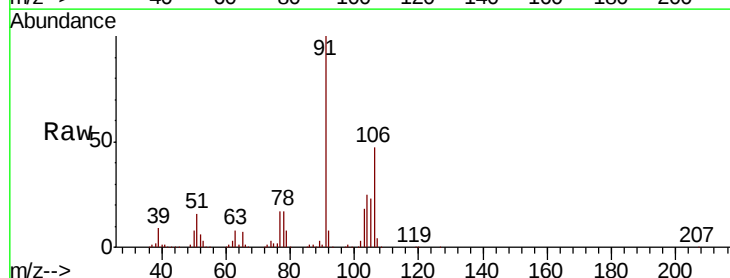
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

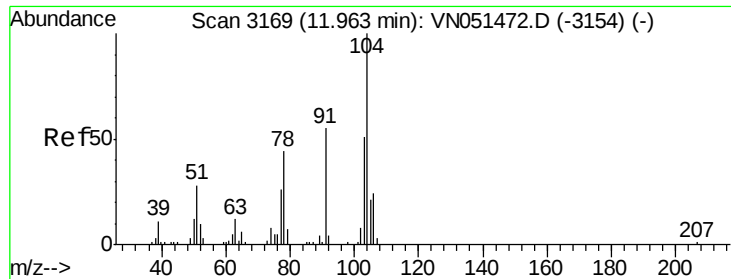
Tot Ion:106 Resp: 433541
Ion Ratio Lower Upper
106 100
91 201.8 158.8 238.2



#68
o-Xylene
Concen: 22.364 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion:106 Resp: 202813
Ion Ratio Lower Upper
106 100
91 212.8 111.1 333.3

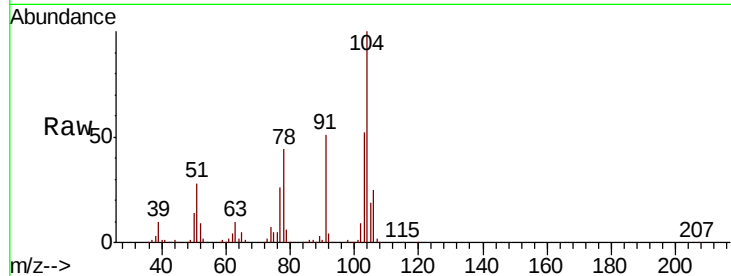




#69
Stvrene
Concen: 22.411 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.6	60.8
103	56.2	44.0	66.0

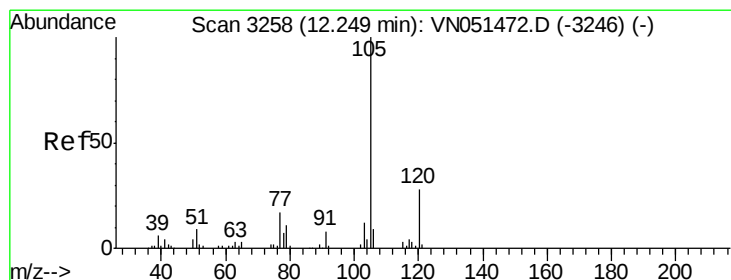
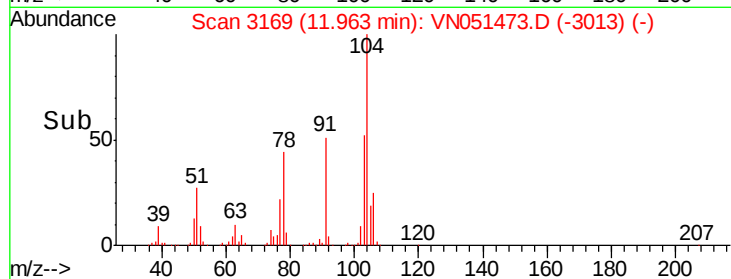
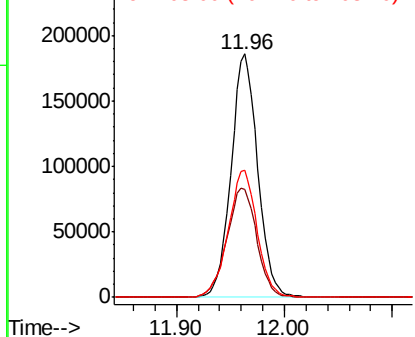


Abundance

Ion 104.00 (103.70 to 104.70): V

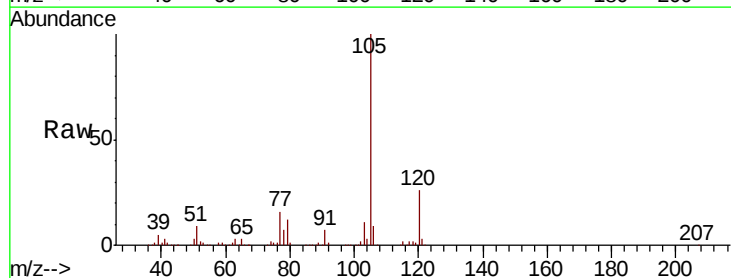
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 22.535 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

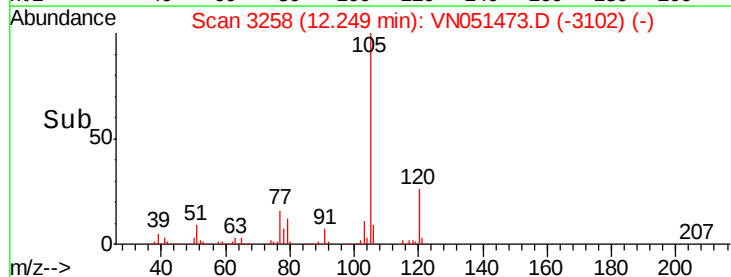
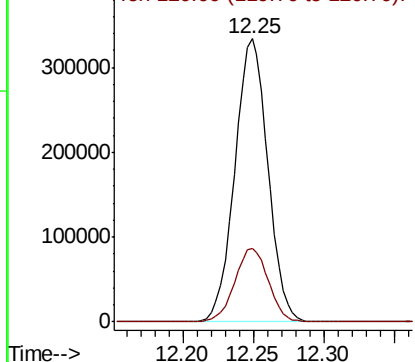
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	19.0	35.4

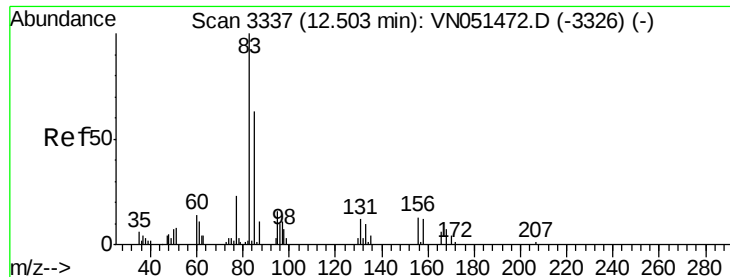


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

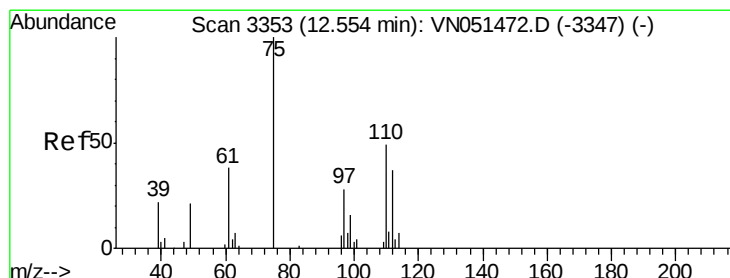
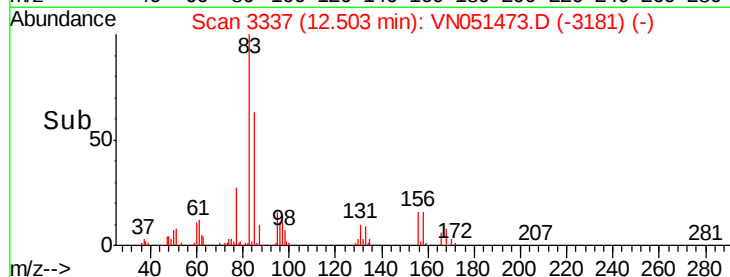
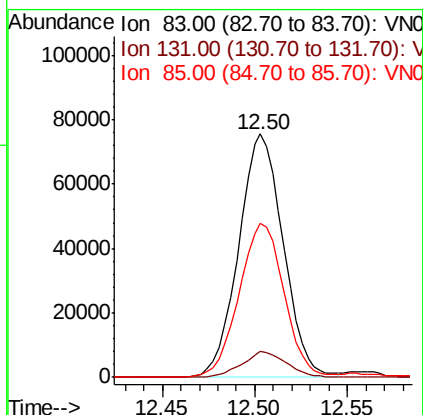
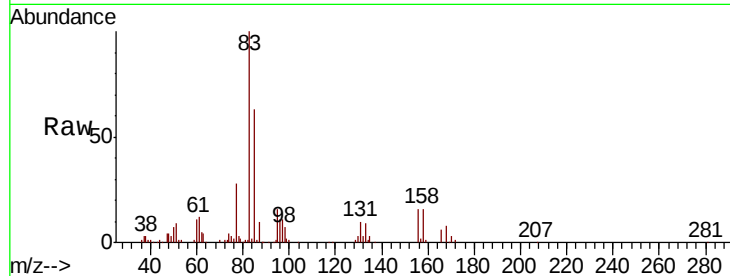




#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.025 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

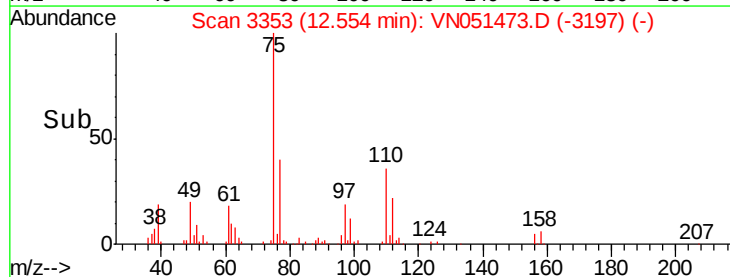
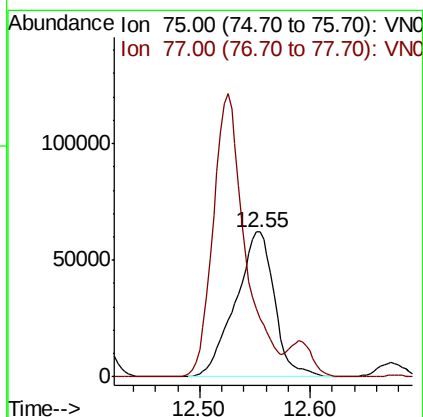
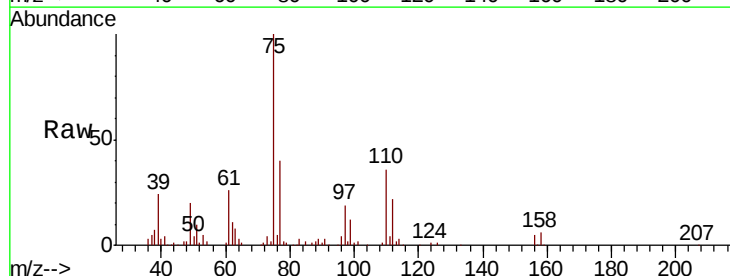
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

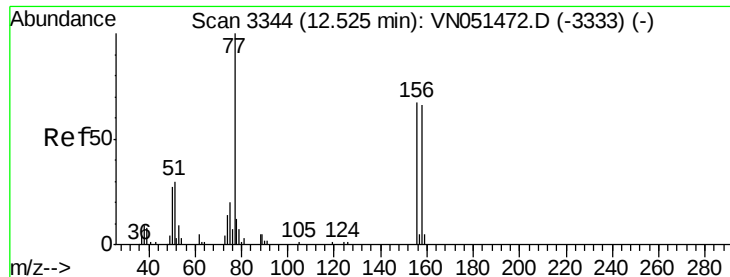
Tot Ion	83	Resp	125828
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.0	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 33.745 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion	75	Resp	152027
Ion Ratio	Lower	Upper	
75	100		
77	160.3	0.0	400.0





#73

Bromobenzene

Concen: 21.809 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

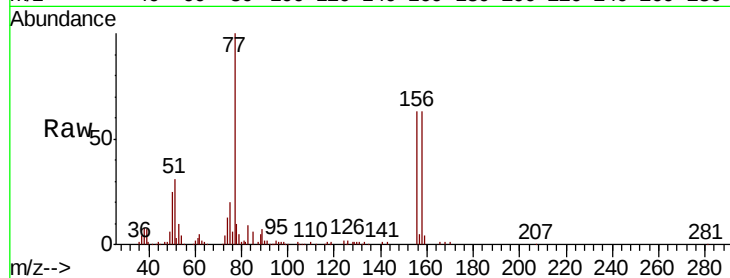
Tot Ion:156 Resp: 133392

Ion Ratio Lower Upper

156 100

77 182.7 0.0 377.4

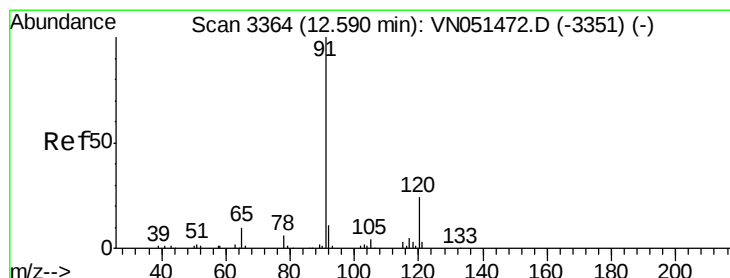
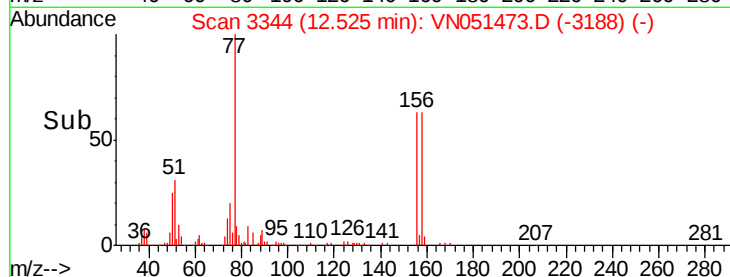
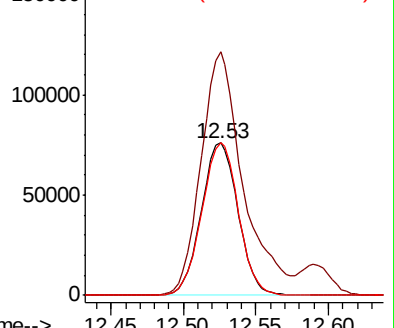
158 99.7 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 22.008 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051473.D

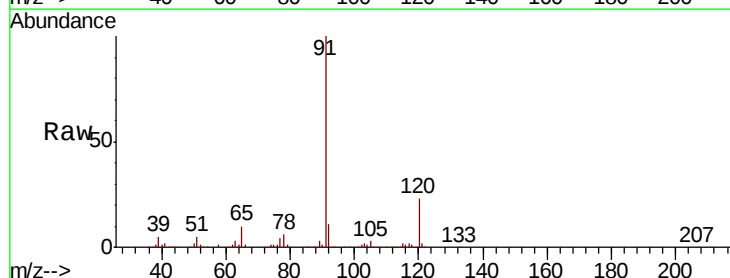
Acq: 25 Sep 2018 9:36

Tgt Ion: 91 Resp: 620951

Ion Ratio Lower Upper

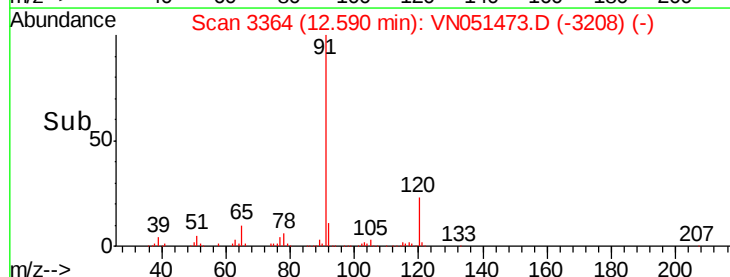
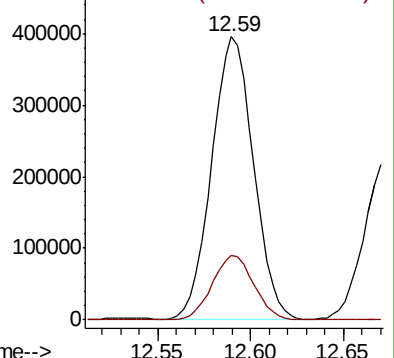
91 100

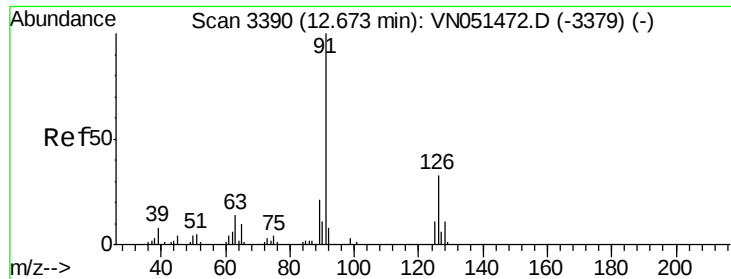
120 22.6 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.604 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

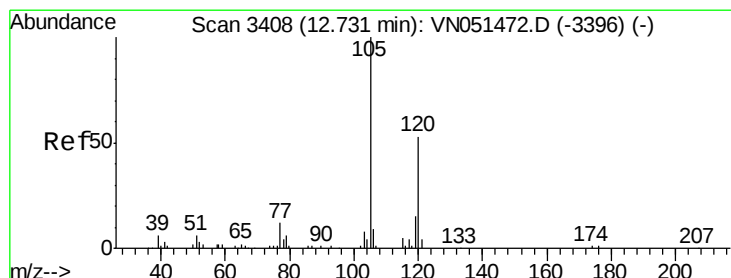
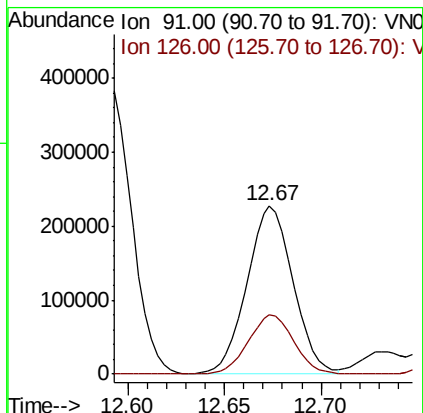
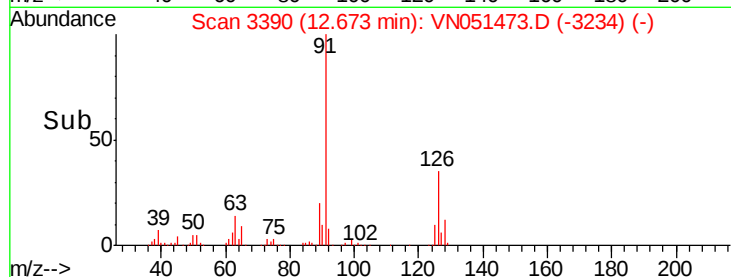
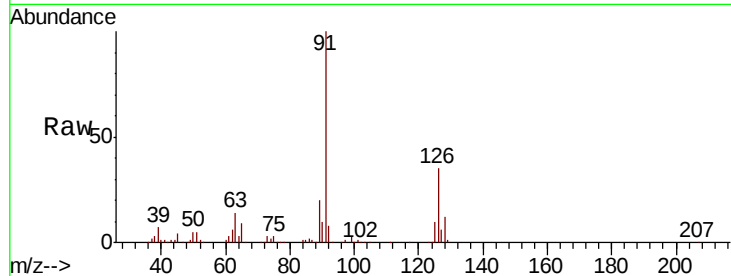
VSTDICCC020

Tot Ion: 91 Resp: 376379

Ion Ratio Lower Upper

91 100

126 34.9 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 22.809 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051473.D

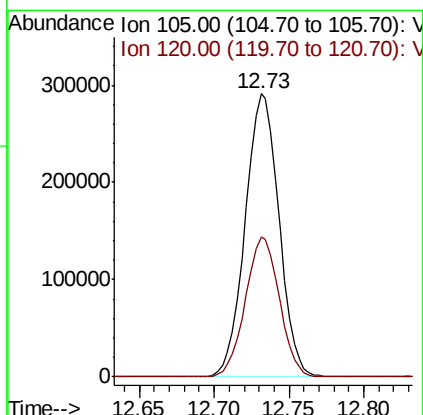
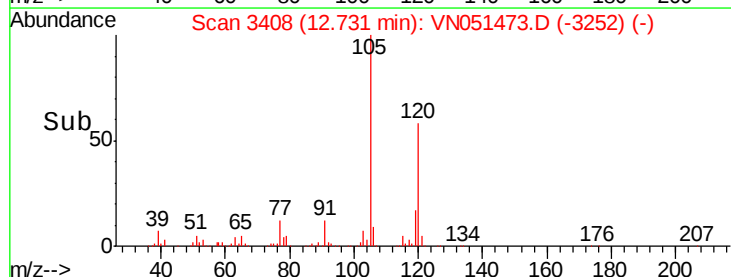
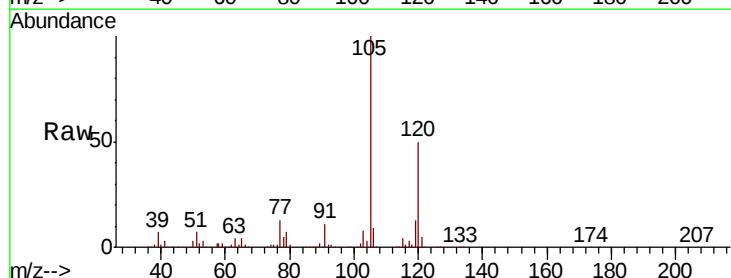
Acq: 25 Sep 2018 9:36

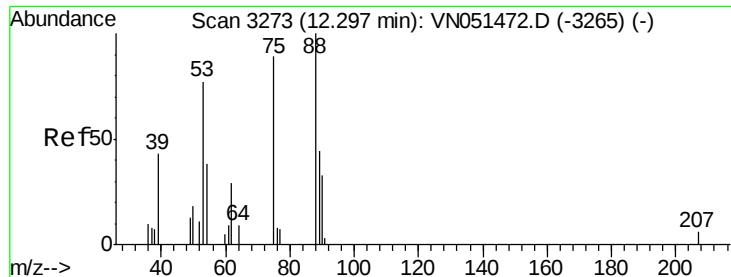
Tgt Ion: 105 Resp: 456771

Ion Ratio Lower Upper

105 100

120 49.8 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.363 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

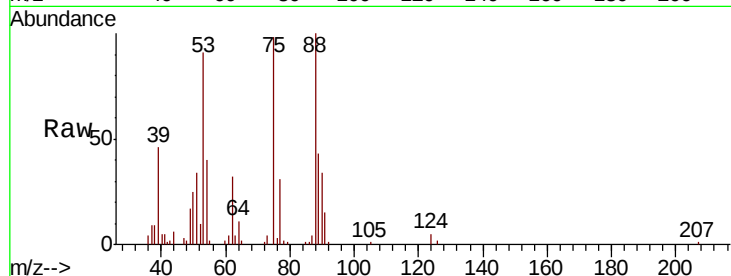
Tot Ion: 75 Resp: 30085

Ion Ratio Lower Upper

75 100

53 92.3 46.3 138.9

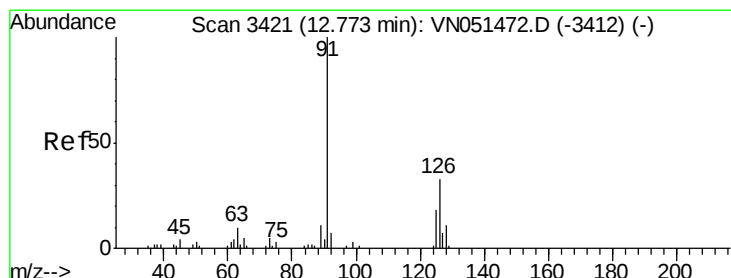
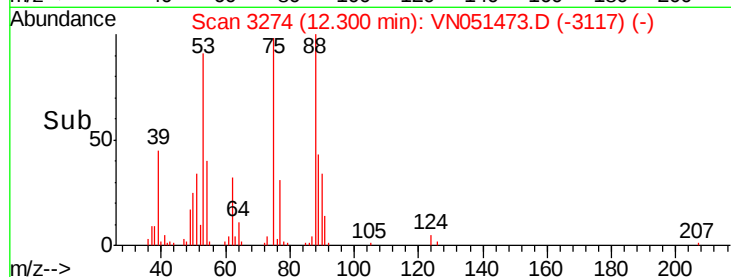
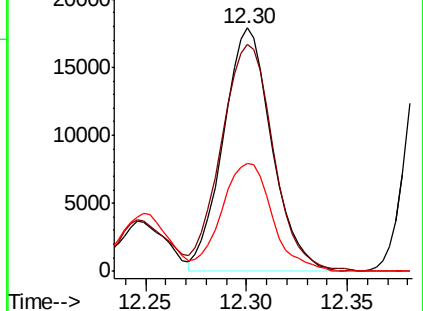
89 43.2 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN051473.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051473.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN051473.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 22.382 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051473.D

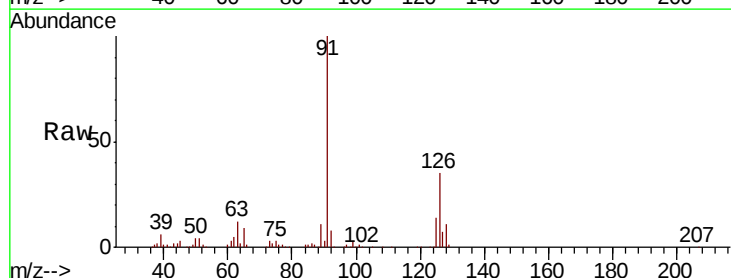
Acq: 25 Sep 2018 9:36

Tgt Ion: 91 Resp: 369646

Ion Ratio Lower Upper

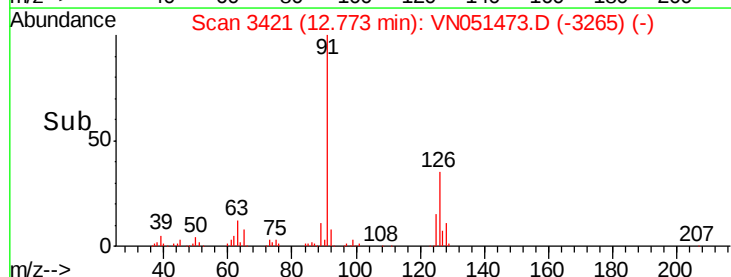
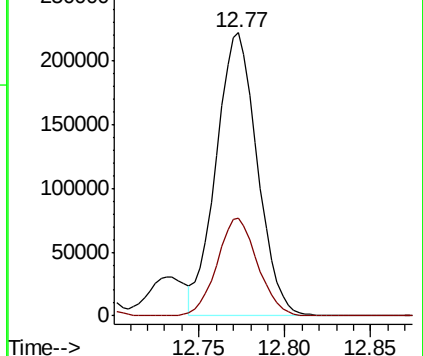
91 100

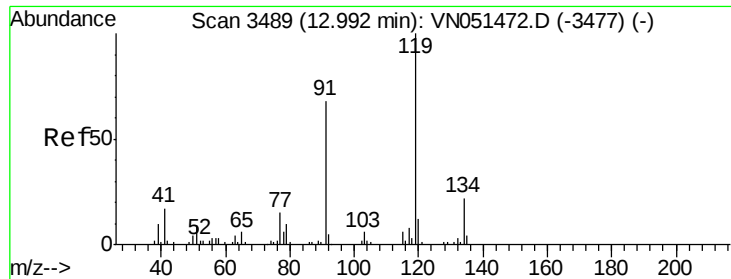
126 34.1 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN051473.D (-3265) (-)

Ion 126.00 (125.70 to 126.70): VN051473.D (-3265) (-)

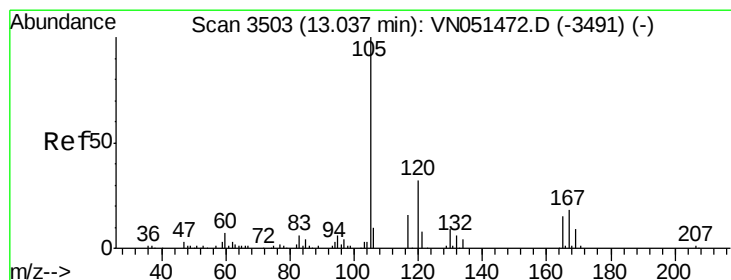
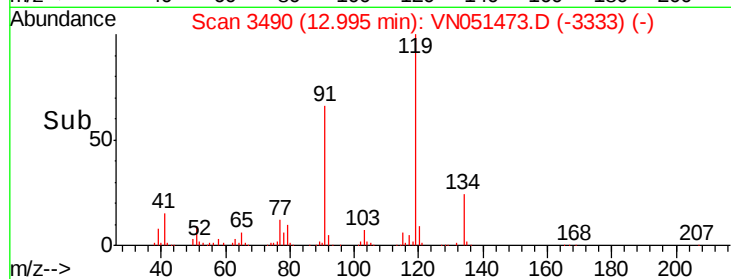
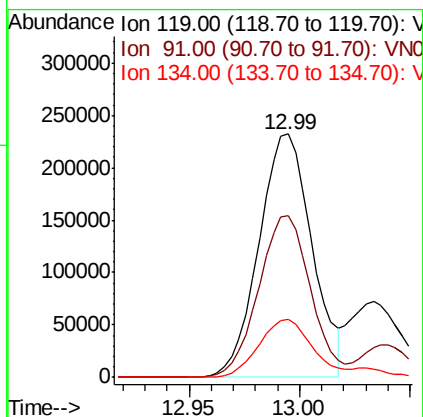
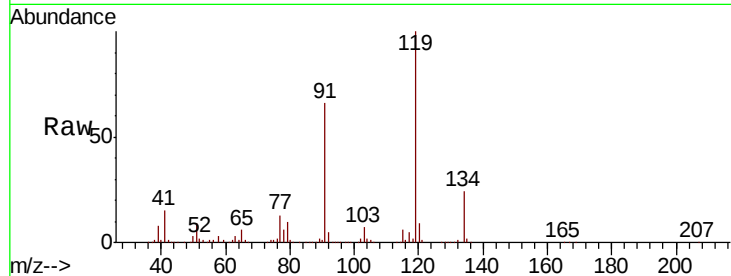




#79
tert-butylbenzene
Concen: 22.229 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

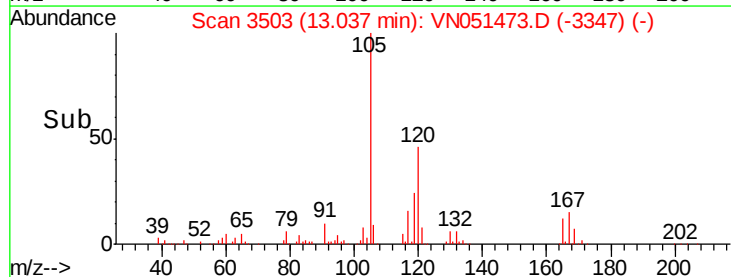
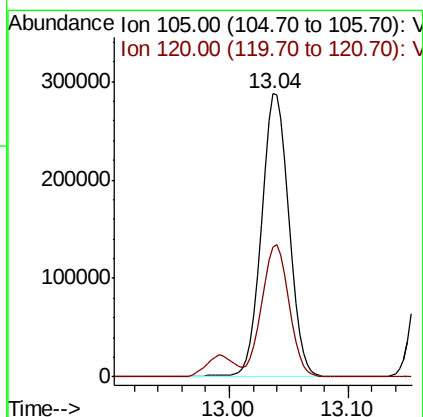
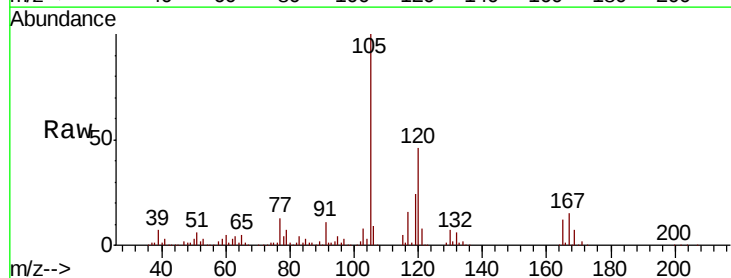
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

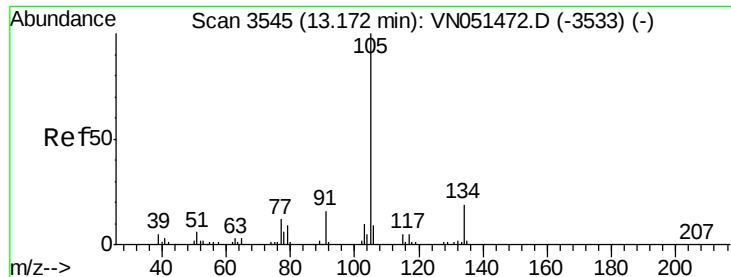
Tot Ion:119 Resp: 387588
Ion Ratio Lower Upper
119 100
91 64.6 0.0 131.6
134 23.8 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 22.888 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN051473.D
Acq: 25 Sep 2018 9:36

Tgt Ion:105 Resp: 460784
Ion Ratio Lower Upper
105 100
120 46.5 0.0 89.6





#81

sec-Butylbenzene

Concen: 22.316 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

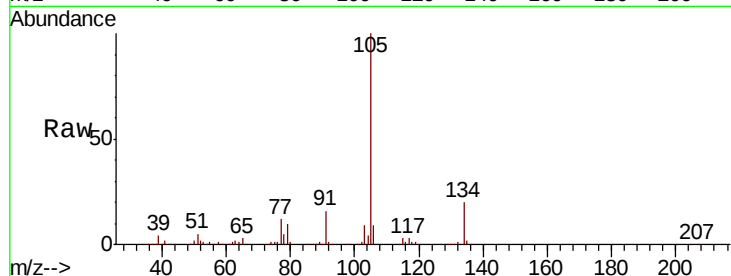
VSTDICCC020

Tot Ion:105 Resp: 535243

Ion Ratio Lower Upper

105 100

134 19.9 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

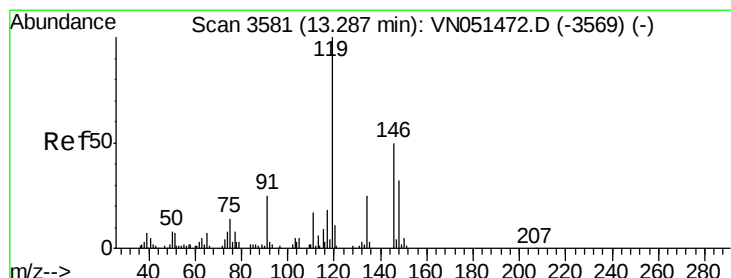
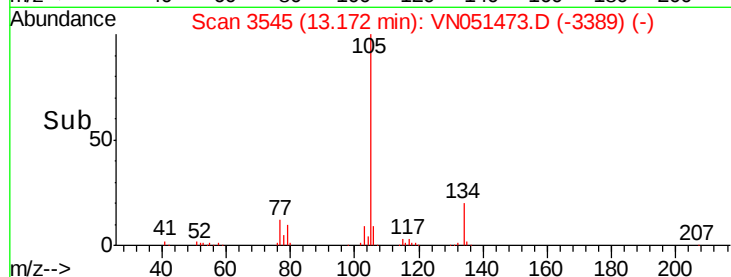
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 22.049 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

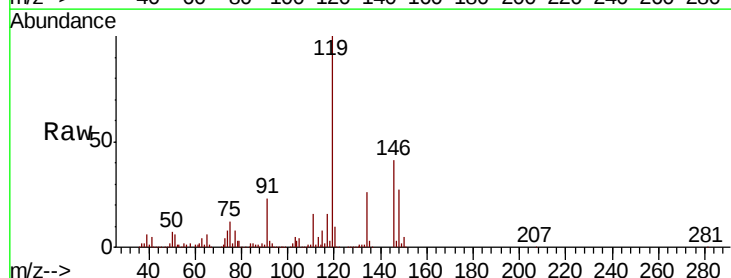
Tgt Ion:119 Resp: 456531

Ion Ratio Lower Upper

119 100

134 25.9 0.0 53.6

91 22.6 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

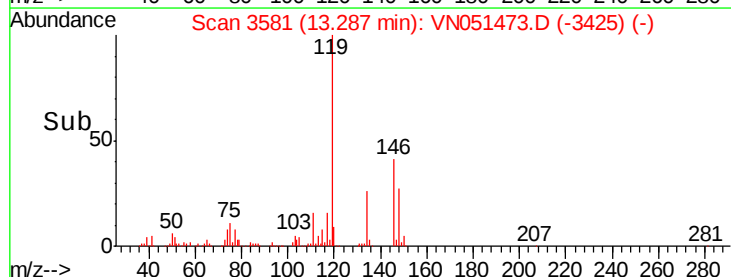
300000

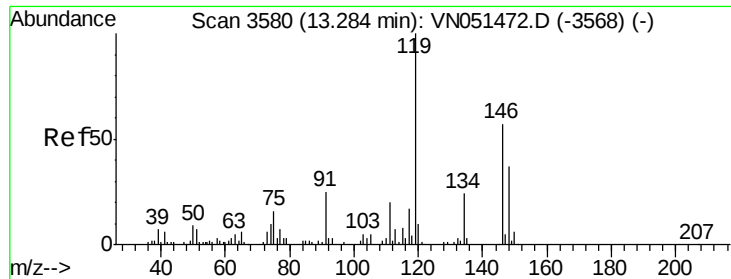
200000

100000

0

Time-->

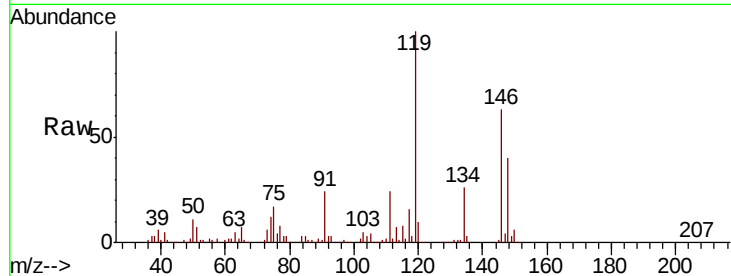




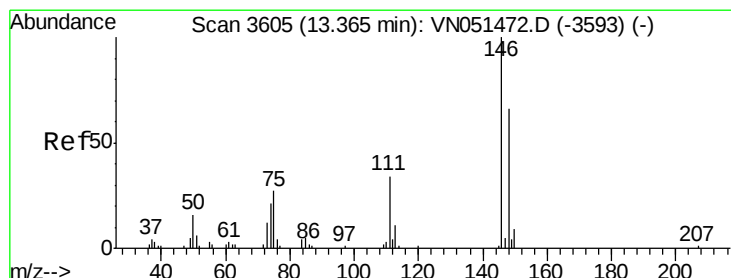
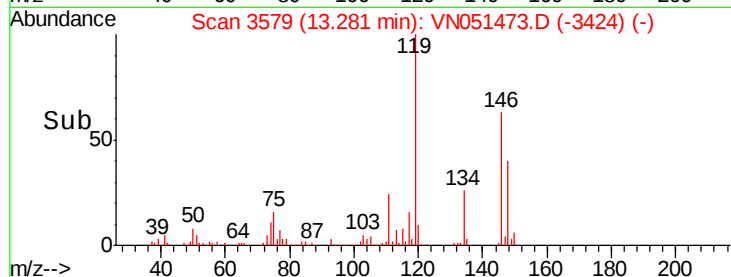
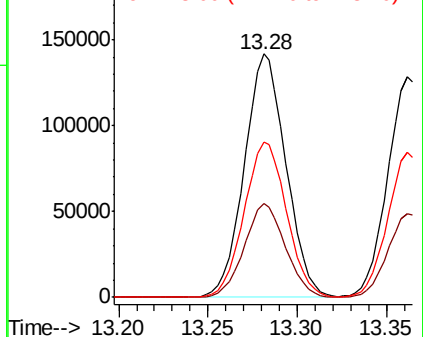
#83
 1,3-Dichlorobenzene
 Concen: 21.551 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:146 Resp: 231212
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.1 54.3
 148 65.2 31.3 93.8

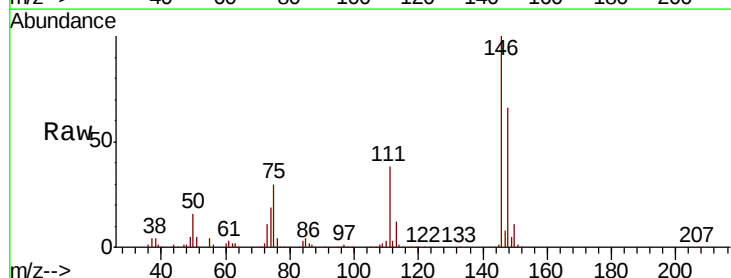


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

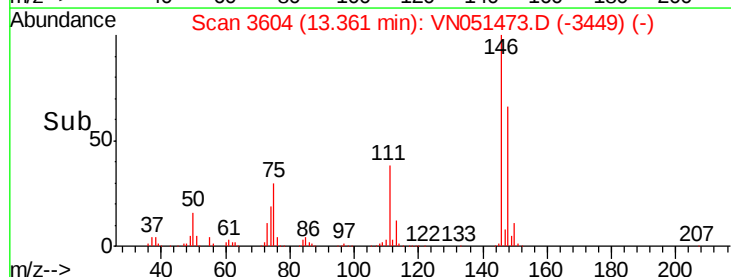
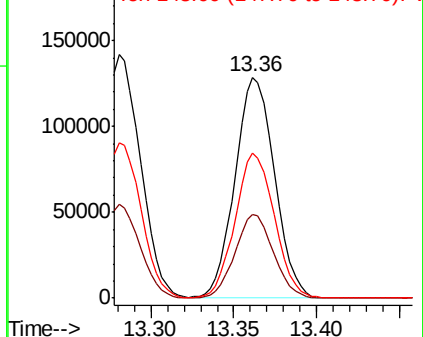


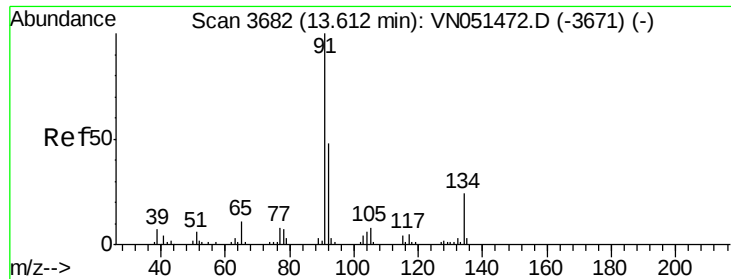
#84
 1,4-Dichlorobenzene
 Concen: 21.241 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion:146 Resp: 214030
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.4 52.2
 148 64.8 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: 20.044 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

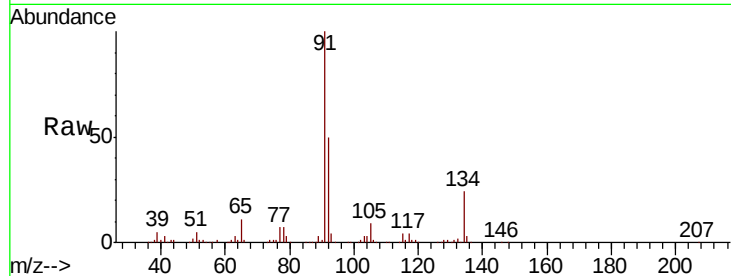
Tot Ion: 91 Resp: 340754

Ion Ratio Lower Upper

91 100

92 49.6 0.0 97.4

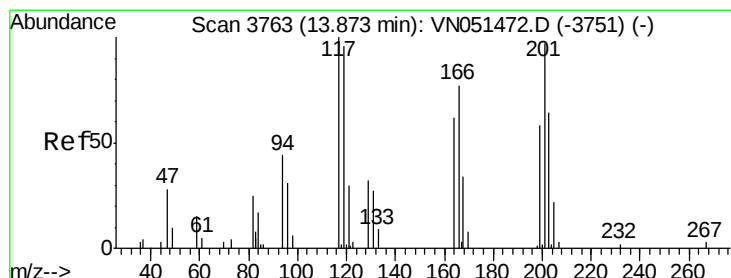
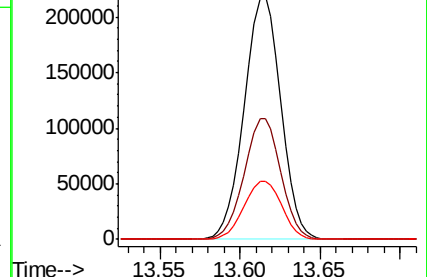
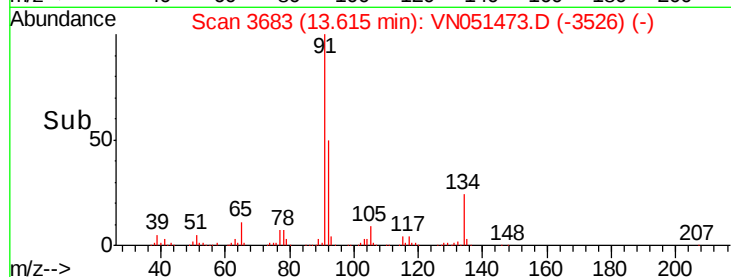
134 24.9 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): VN051473.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN051473.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN051473.D (-3671) (-)



#86

Hexachloroethane

Concen: 22.373 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051473.D

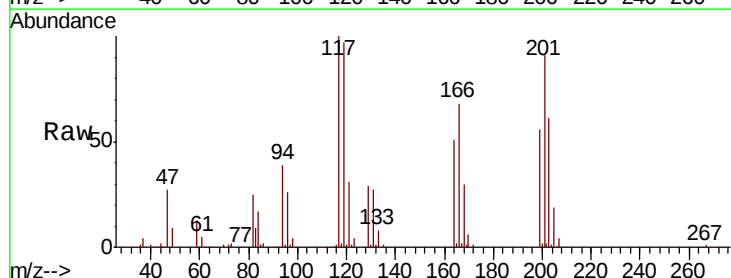
Acq: 25 Sep 2018 9:36

Tgt Ion: 117 Resp: 92827

Ion Ratio Lower Upper

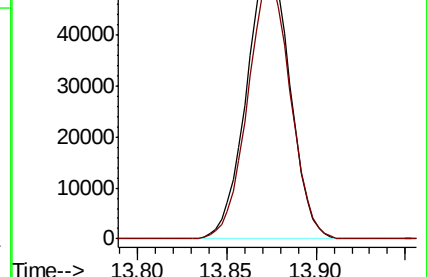
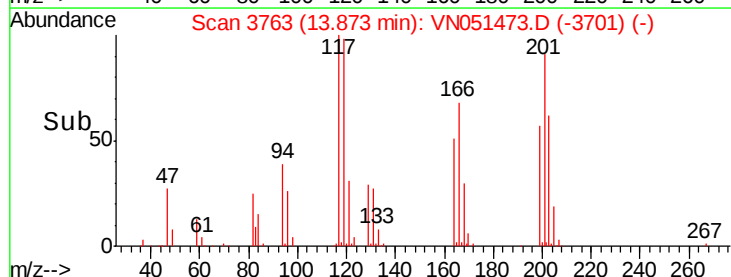
117 100

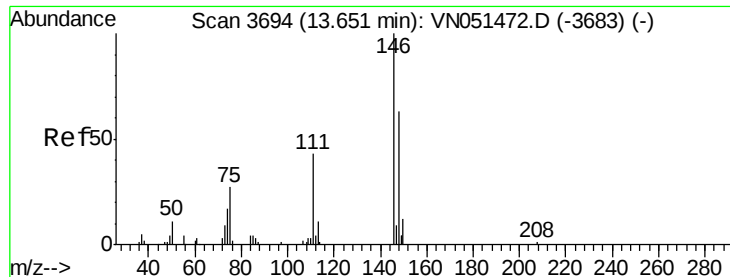
201 91.5 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051473.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN051473.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 22.499 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

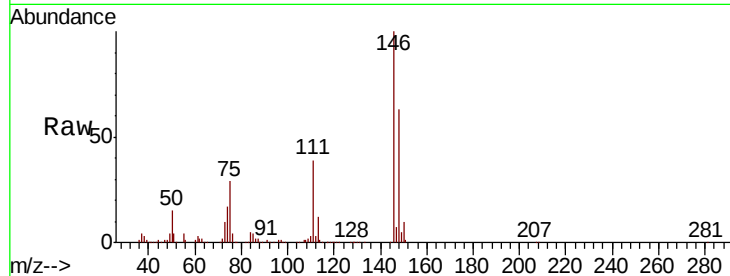
Tot Ion:146 Resp: 228821

Ion Ratio Lower Upper

146 100

111 39.8 20.8 62.2

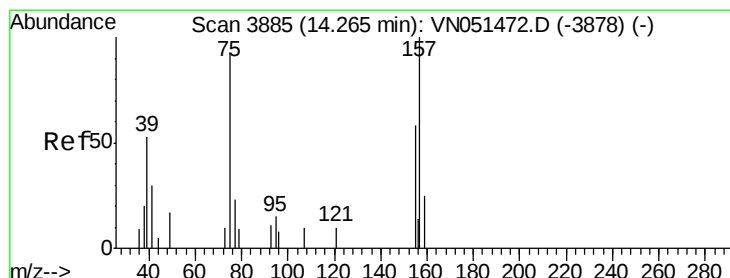
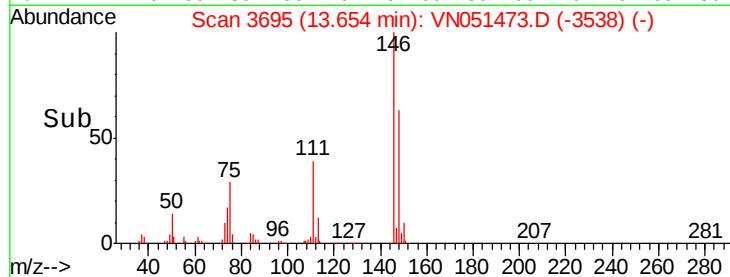
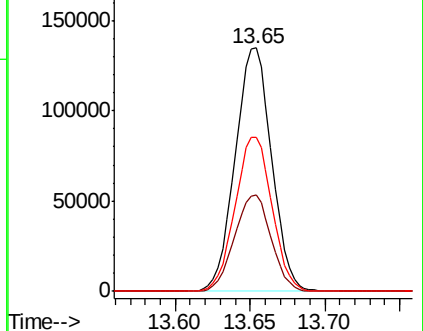
148 63.9 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.112 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

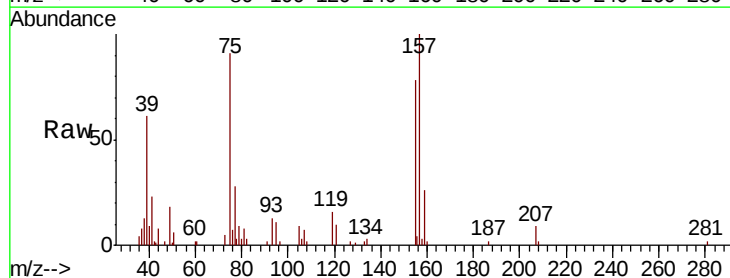
Tgt Ion: 75 Resp: 16958

Ion Ratio Lower Upper

75 100

155 83.8 57.0 85.6

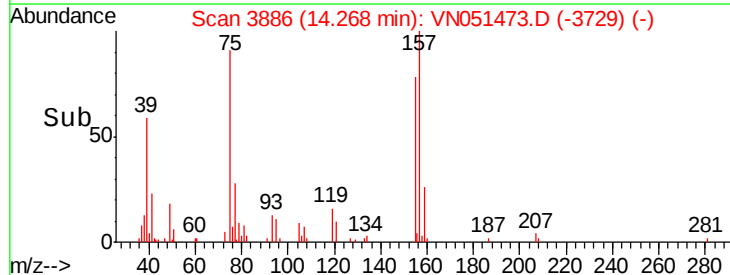
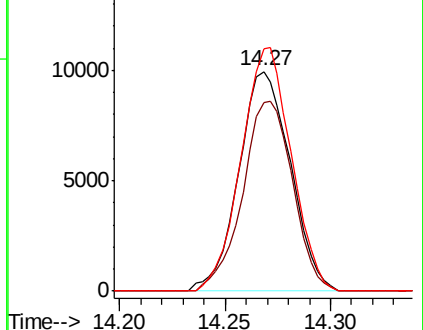
157 107.1 87.4 131.0

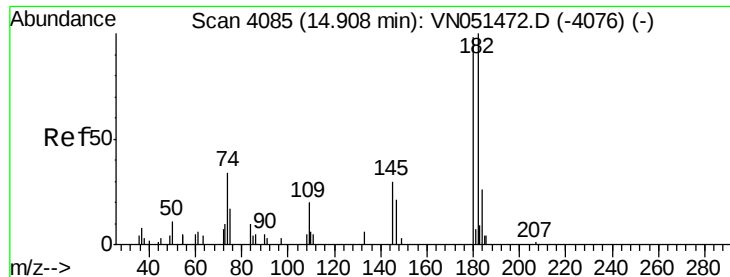


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

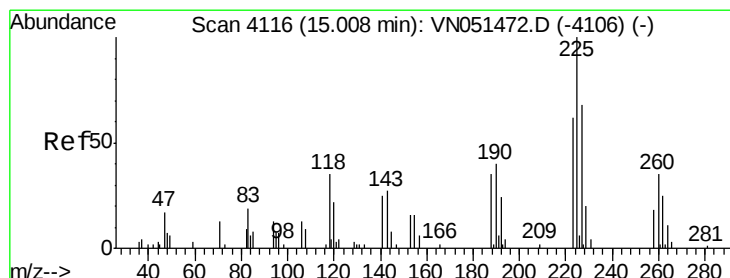
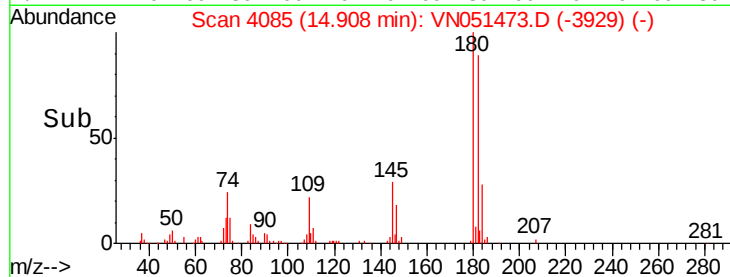
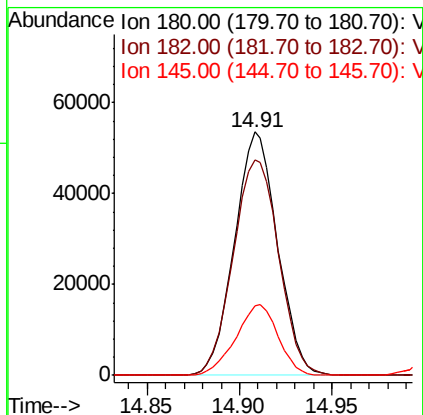
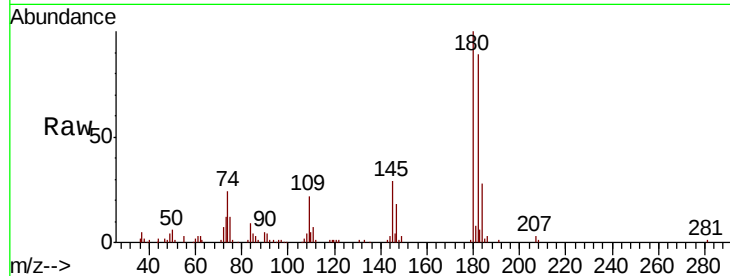




#89
 1,2,4-Trichlorobenzene
 Concen: 16.982 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

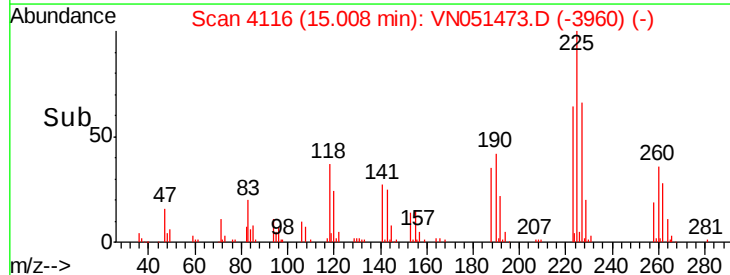
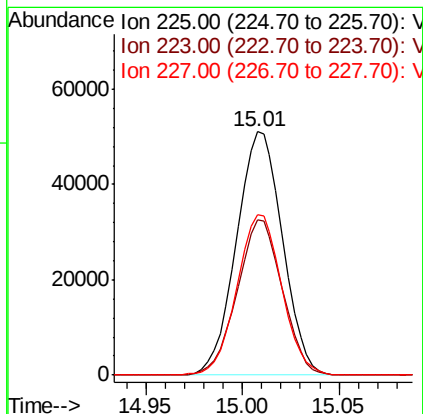
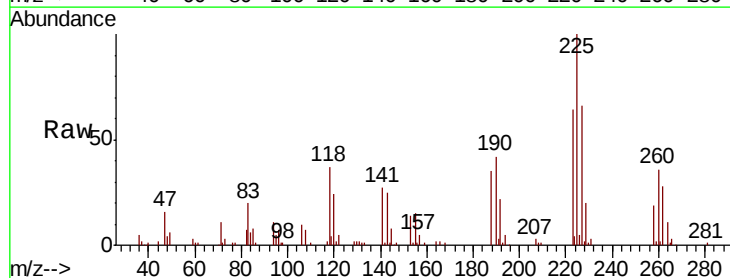
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

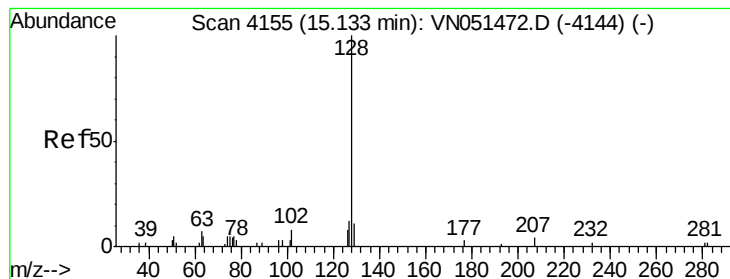
Tot Ion:180 Resp: 86030
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.7 116.5
 145 28.7 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 21.570 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051473.D
 Acq: 25 Sep 2018 9:36

Tgt Ion:225 Resp: 84689
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 117.0
 227 64.2 0.0 127.0





#91

Naphthalene

Concen: 13.761 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

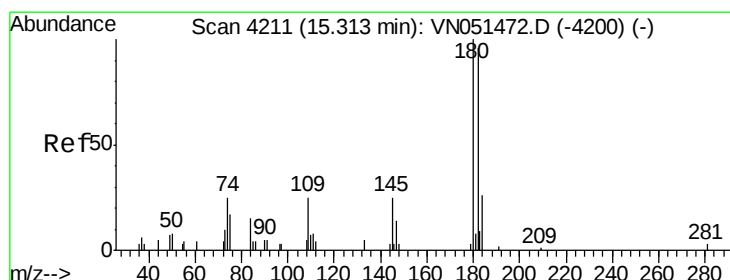
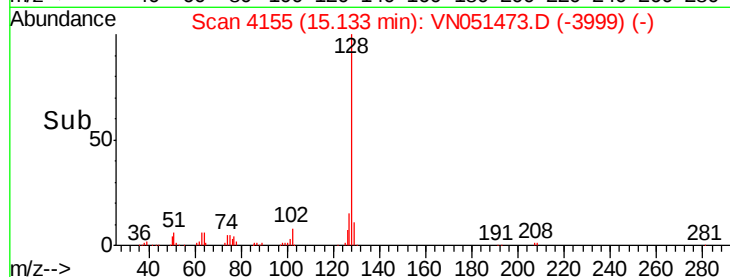
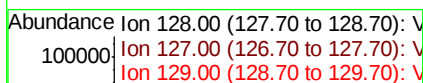
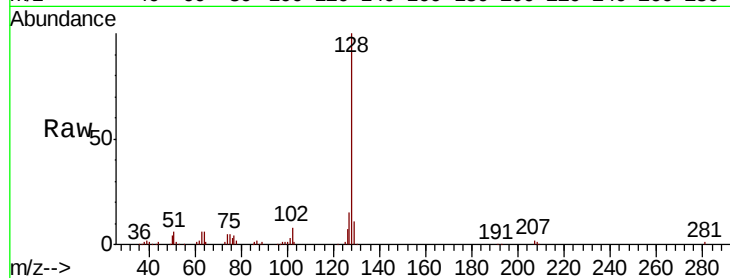
Tot Ion:128 Resp: 131545

Ion Ratio Lower Upper

128 100

127 14.4 10.1 15.1

129 11.0 8.4 12.6



#92

1,2,3-Trichlorobenzene

Concen: 17.206 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051473.D

Acq: 25 Sep 2018 9:36

Tgt Ion:180 Resp: 87992

Ion Ratio Lower Upper

180 100

182 97.2 0.0 198.0

145 30.4 0.0 36.8

