

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051476.D
 Acq On : 25 Sep 2018 10:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 26 01:30:40 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	7.20	128	115740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	624888	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	567418	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	229617	28.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.10%
60) 4-Bromofluorobenzene	12.40	95	266309	31.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.57%
63) Toluene-d8	10.09	98	791833	29.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	708798	142.989	ug/l 99
3) Chloromethane	2.06	50	1297480	152.235	ug/l 97
4) Vinyl Chloride	2.18	62	1430829	157.336	ug/l 100
5) Bromomethane	2.55	94	913775	153.737	ug/l 87
6) Chloroethane	2.70	64	900426	160.632	ug/l 99
7) Trichlorofluoromethane	3.01	101	1940880	164.422	ug/l 95
8) Diethyl Ether	3.41	74	584507	164.694	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	960422	160.223	ug/l # 41
10) 1,1-Dichloroethene	3.73	96	917543	168.044	ug/l 97
11) Methyl Iodide	3.95	142	1500215	186.325	ug/l 96
12) Methyl Acetate	4.32	43	795824	165.828	ug/l 91
13) Acrolein	3.61	56	599169	936.308	ug/l 90
14) Acrylonitrile	4.99	53	1730792	887.838	ug/l # 60
15) Acetone	3.82	58	384942	801.749	ug/l 96
16) Carbon Disulfide	4.05	76	2806300	162.038	ug/l 97
17) Allyl chloride	4.32	41	1693575	175.704	ug/l 98
18) Methylene Chloride	4.55	84	1055905	161.930	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	1004528	169.953	ug/l 98
20) Diisopropyl ether	5.95	45	3367897	175.975	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	1928222	167.260	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	1154304	174.526	ug/l 96
23) tert-Butyl Alcohol	4.79	59	332025	904.434	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	2657719	178.717	ug/l # 64
25) Chloroform	7.37	83	1912047	166.287	ug/l 96
26) Cyclohexane	7.65	56	1790934	182.474	ug/l 97
29) 1,1-Dichloropropene	7.79	75	1533915	174.337	ug/l 100
30) 2-Butanone	6.84	43	1935843	851.768	ug/l # 99
31) 2,2-Dichloropropane	6.83	77	1576623	167.991	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	1691769	168.425	ug/l 98
33) Carbon Tetrachloride	7.78	117	1560035	169.264	ug/l 92
34) Benzene	8.04	78	4408899	168.780	ug/l # 61
35) Methacrylonitrile	7.17	41	543973	166.094	ug/l 90
36) 1,2-Dichloroethane	8.13	62	1407985	165.532	ug/l 98
37) Trichloroethene	8.84	130	1170856	169.114	ug/l 99
38) Methylcyclohexane	9.08	83	1885609	184.874	ug/l 92
39) 1,2-Dichloropropane	9.12	63	1187652	167.130	ug/l 97
40) Dibromomethane	9.21	93	675374	166.983	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1513432	170.196	ug/l	95
42) Vinyl Acetate	5.90	43	11556410	914.441	ug/l	98
43) Ethyl Acetate	6.93	43	883307	186.792	ug/l	99
44) Isopropyl Acetate	8.17	43	1626656	178.854	ug/l	99
45) 1,4-Dioxane	9.20	88	197773	3574.362	ug/l	91
46) Methyl methacrylate	9.20	41	843271	187.232	ug/l	97
47) n-amyl Acetate	12.07	43	1444807	198.799	ug/l #	76
48) t-1,3-Dichloropropene	10.38	75	1625477	184.085	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1838229	179.848	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	958078	165.673	ug/l	94
51) Ethyl methacrylate	10.43	69	1299755	189.908	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1672039	171.384	ug/l	97
53) Dibromochloromethane	10.90	129	1167935	175.578	ug/l	97
54) 1,2-Dibromoethane	11.00	107	967465	173.387	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3246548	960.633	ug/l	100
56) Bromoform	12.13	173	796566	177.622	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	4328833	868.088	ug/l	95
59) 2-Hexanone	10.75	43	2867236	873.625	ug/l	94
61) Tetrachloroethene	10.63	164	1086131	164.530	ug/l	96
62) Toluene	10.16	91	4881034	168.034	ug/l	98
64) Chlorobenzene	11.43	112	3057100	171.656	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	1158551	168.257	ug/l	99
66) Ethyl Benzene	11.51	91	5424150	181.004	ug/l	98
67) m/p-Xylenes	11.62	106	4151772	359.881	ug/l	98
68) o-Xylene	11.95	106	1990991	181.201	ug/l	95
69) Styrene	11.96	104	3243914	186.896	ug/l	99
70) Isopropylbenzene	12.25	105	5376373	182.832	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	1144591	165.352	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	1514761	277.495	ug/l	73
73) Bromobenzene	12.53	156	1316673	177.666	ug/l	96
74) n-propylbenzene	12.59	91	6502745	190.214	ug/l	99
75) 2-Chlorotoluene	12.67	91	3607798	178.826	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	4471683	184.292	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	376539	200.019	ug/l	93
78) 4-Chlorotoluene	12.77	91	3698450	184.827	ug/l	97
79) tert-butylbenzene	12.99	119	3865096	182.955	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	4540828	186.156	ug/l	98
81) sec-Butylbenzene	13.17	105	5389271	185.446	ug/l	99
82) p-Isopropyltoluene	13.29	119	4818251	192.060	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	2392993	184.092	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	2327163	190.618	ug/l	97
85) n-Butylbenzene	13.61	91	4185367	203.196	ug/l	95
86) Hexachloroethane	13.87	117	880963	175.243	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	2231505	181.088	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	182806	178.936	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	1404289	228.786	ug/l	98
90) Hexachlorobutadiene	15.01	225	808214	169.896	ug/l	97
91) Naphthalene	15.13	128	2755315	237.896	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1315501	212.302	ug/l	93

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

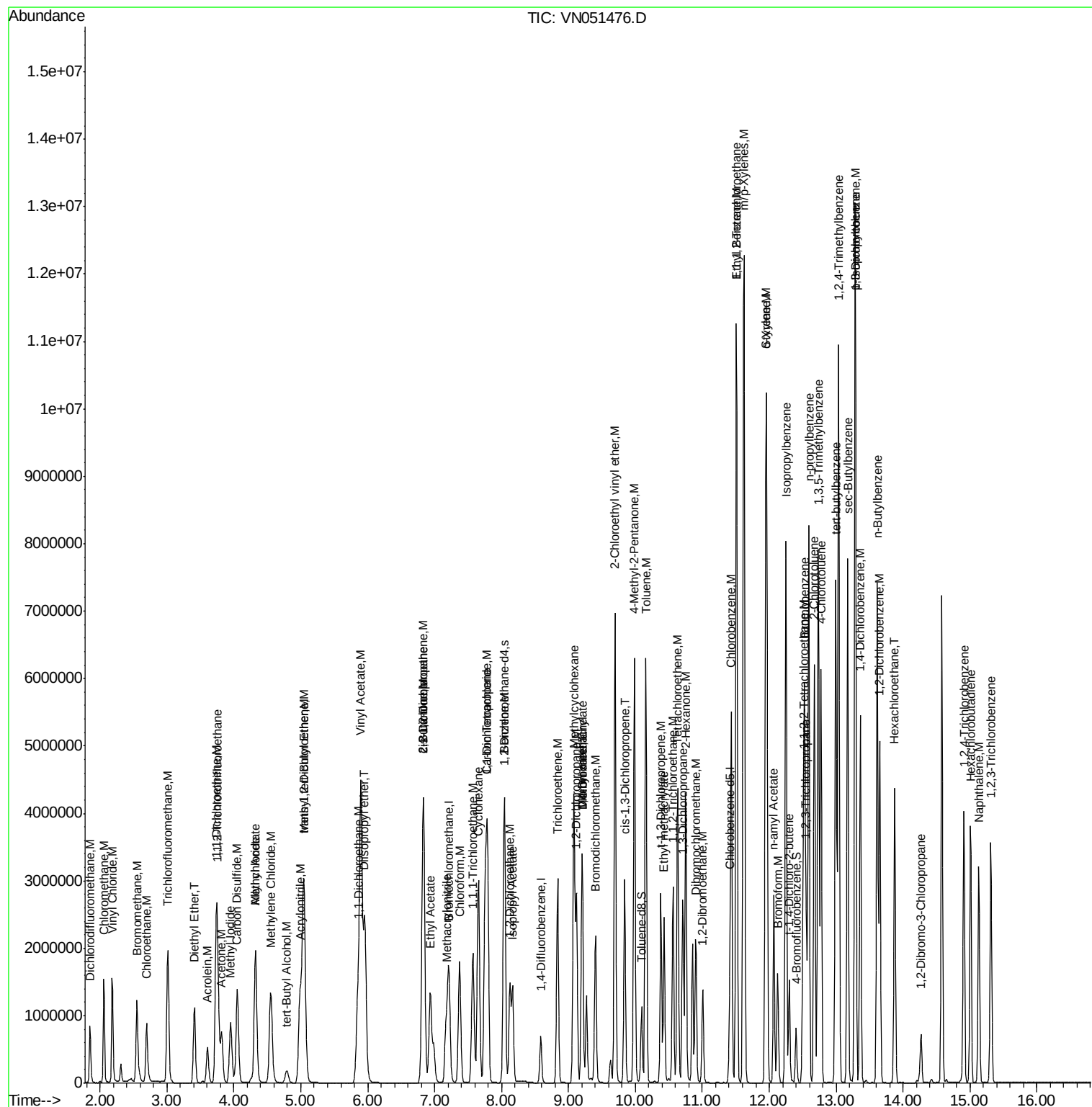
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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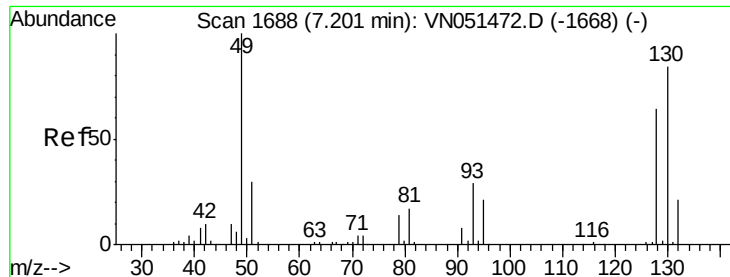
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VN051476.D
 Acq On : 25 Sep 2018 10:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Sep 26 01:30:40 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

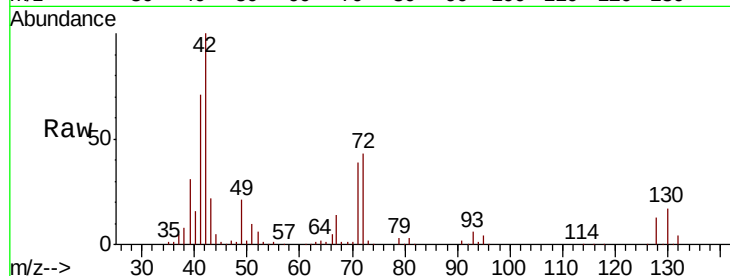
Tot Ion:128 Resp: 115740

Ion Ratio Lower Upper

128 100

49 165.4 0.0 403.3

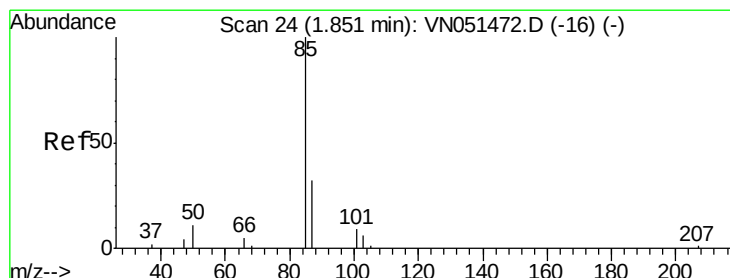
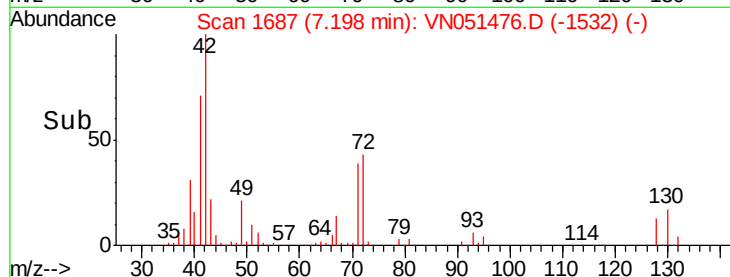
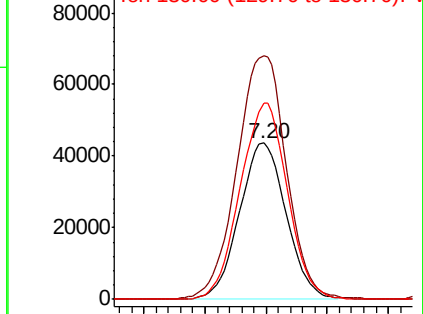
130 127.3 0.0 326.0



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: 142.989 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051476.D

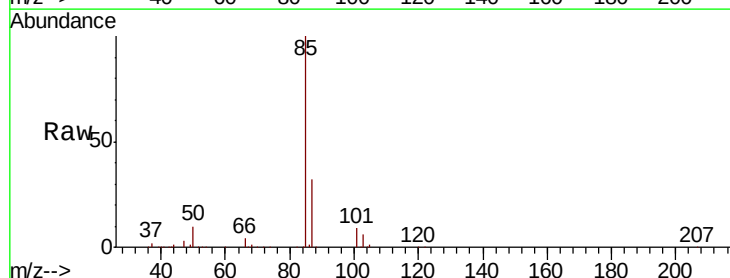
Acq: 25 Sep 2018 10:49

Tgt Ion: 85 Resp: 708798

Ion Ratio Lower Upper

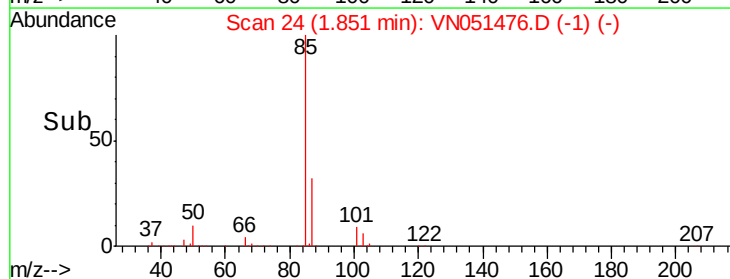
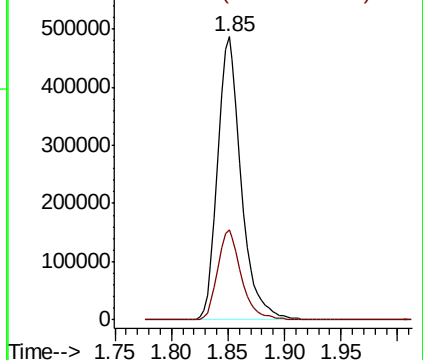
85 100

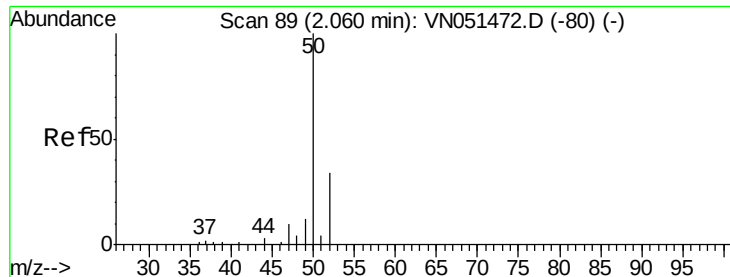
87 31.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 152.235 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

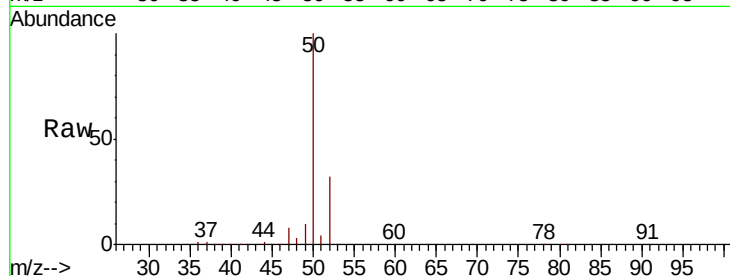
VSTDIC150

Tot Ion: 50 Resp: 1297480

Ion Ratio Lower Upper

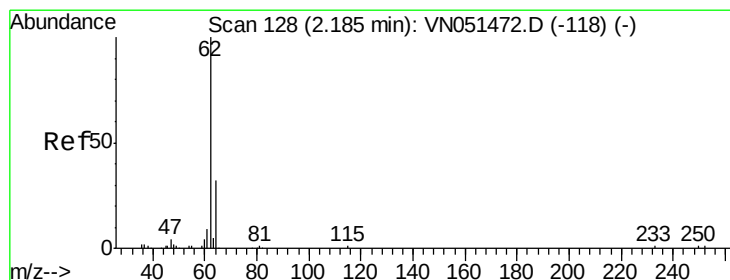
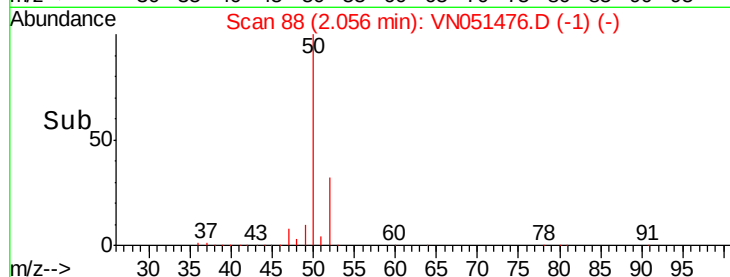
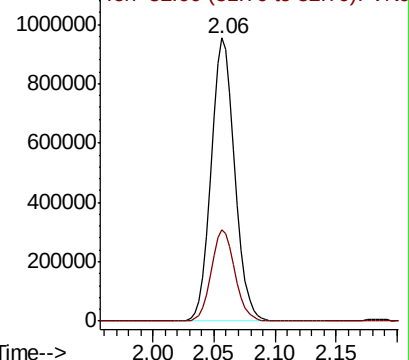
50 100

52 32.2 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 157.336 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051476.D

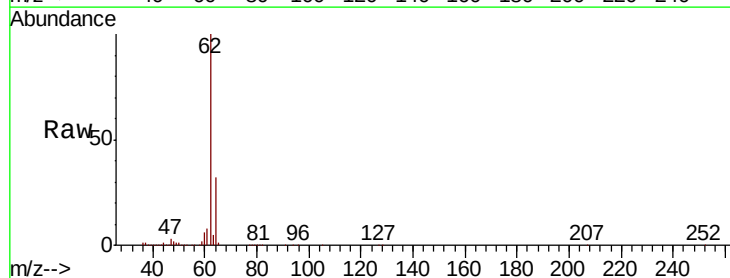
Acq: 25 Sep 2018 10:49

Tgt Ion: 62 Resp: 1430829

Ion Ratio Lower Upper

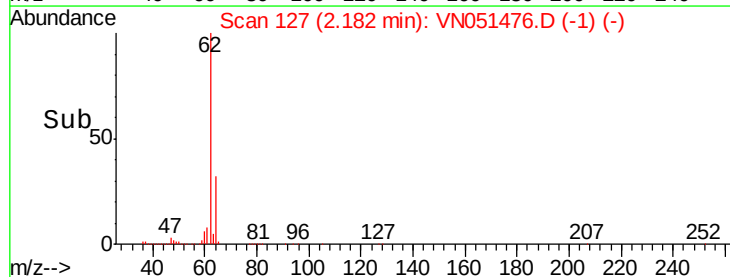
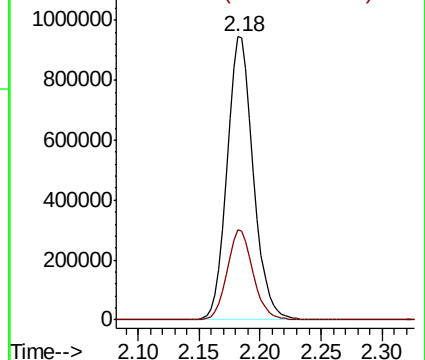
62 100

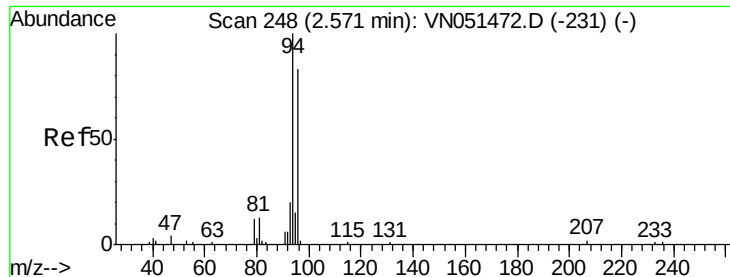
64 31.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 153.737 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

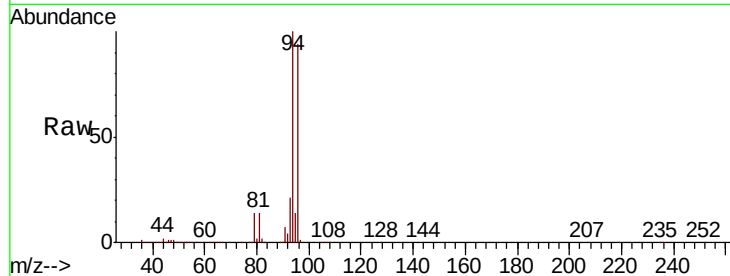
VSTDIC150

Tot Ion: 94 Resp: 913775

Ion Ratio Lower Upper

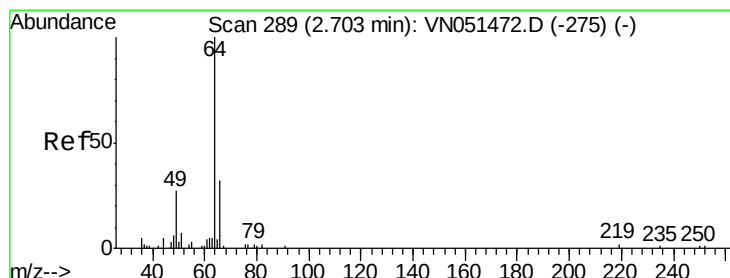
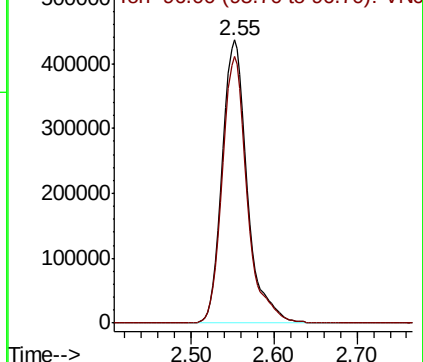
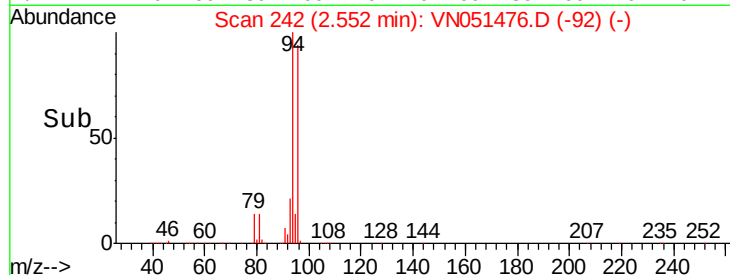
94 100

96 94.4 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN051476.D (-92) (-)

Ion 96.00 (95.70 to 96.70): VN051476.D (-92) (-)



#6

Chloroethane

Concen: 160.632 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN051476.D

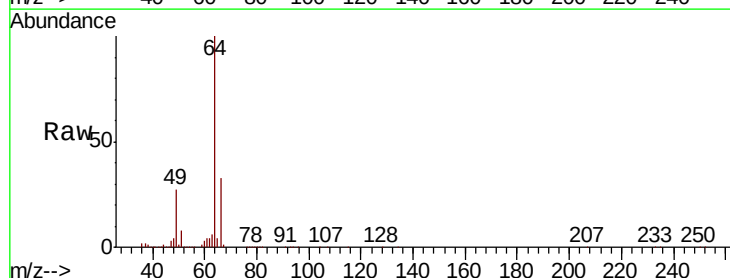
Acq: 25 Sep 2018 10:49

Tgt Ion: 64 Resp: 900426

Ion Ratio Lower Upper

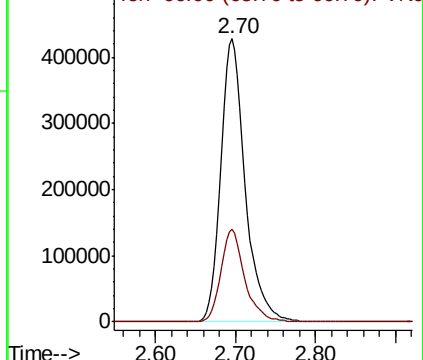
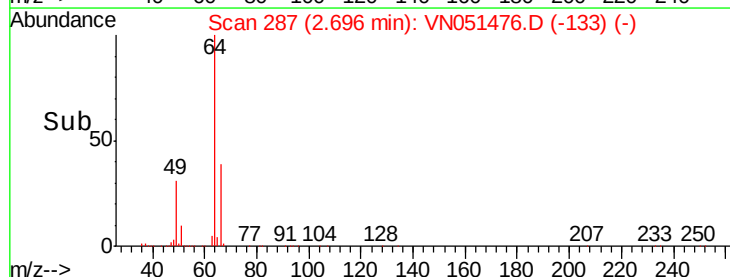
64 100

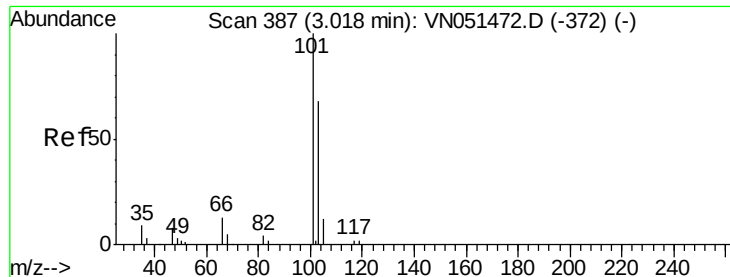
66 32.6 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN051476.D (-133) (-)

Ion 66.00 (65.70 to 66.70): VN051476.D (-133) (-)



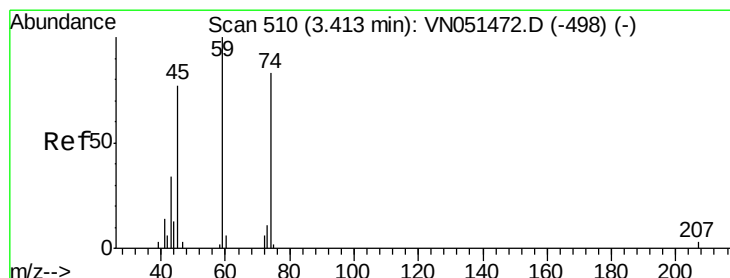
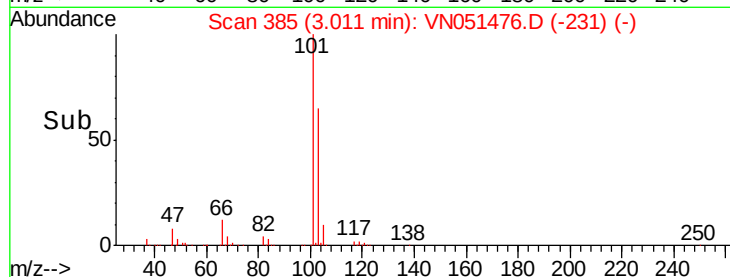
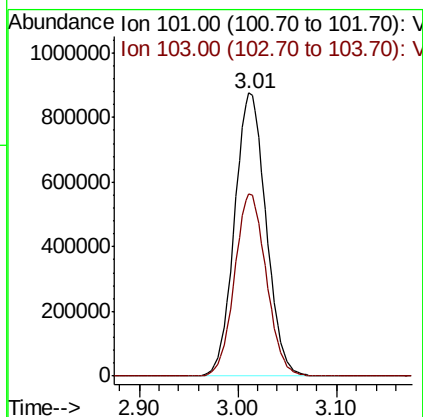
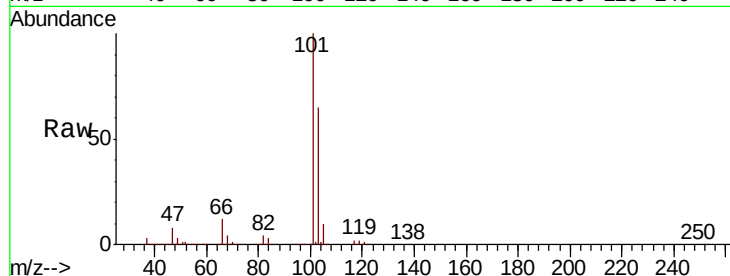


#7

Trichlorofluoromethane
 Concen: 164.422 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
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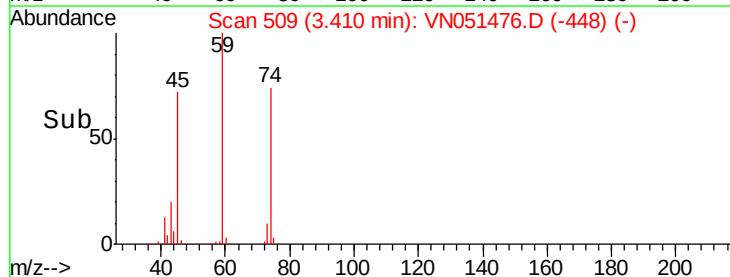
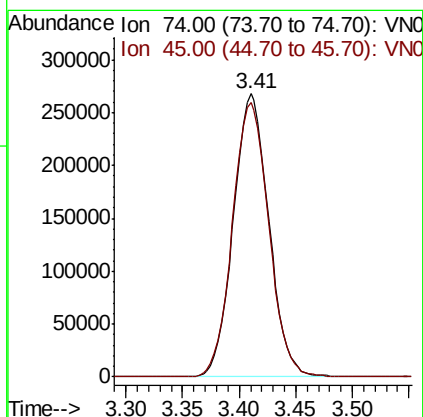
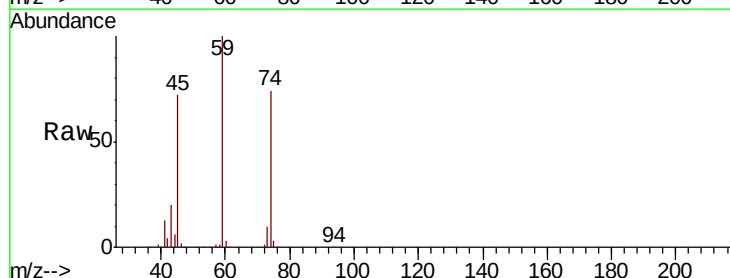
Tot Ion:101 Resp: 1940880
 Ion Ratio Lower Upper
 101 100
 103 64.6 54.8 82.2

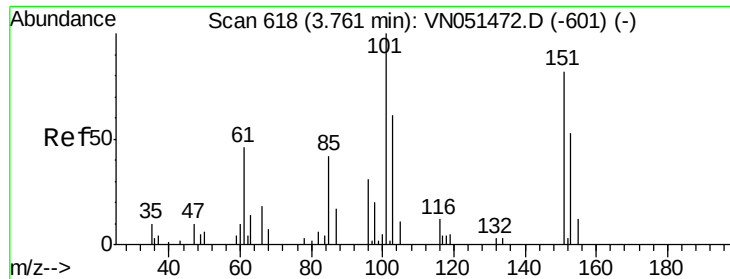


#8

Diethyl Ether
 Concen: 164.694 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 74 Resp: 584507
 Ion Ratio Lower Upper
 74 100
 45 99.3 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.223 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

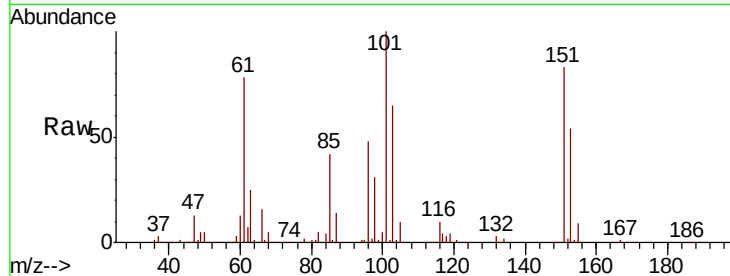
Tot Ion:101 Resp: 960422

Ion Ratio Lower Upper

101 100

85 43.2 0.0 46.0

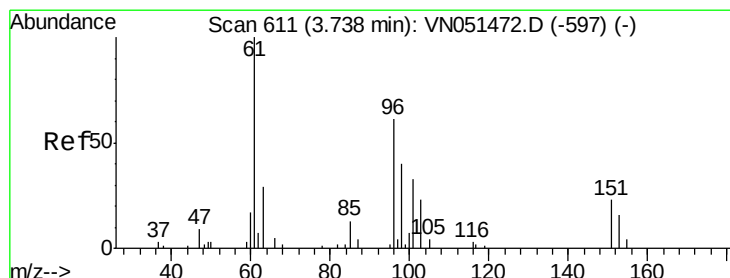
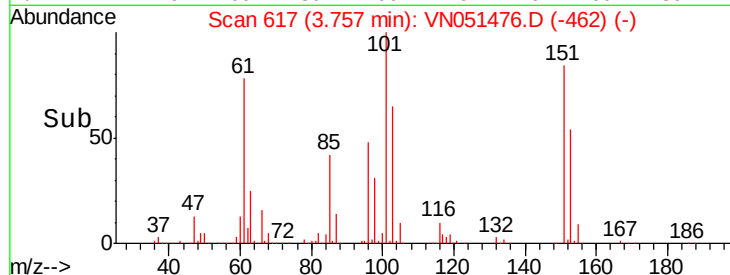
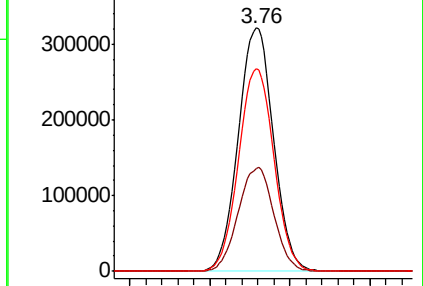
151 83.7 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 168.044 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

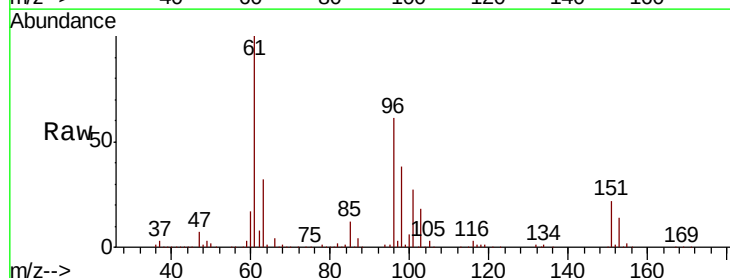
Tgt Ion: 96 Resp: 917543

Ion Ratio Lower Upper

96 100

61 162.8 133.0 199.6

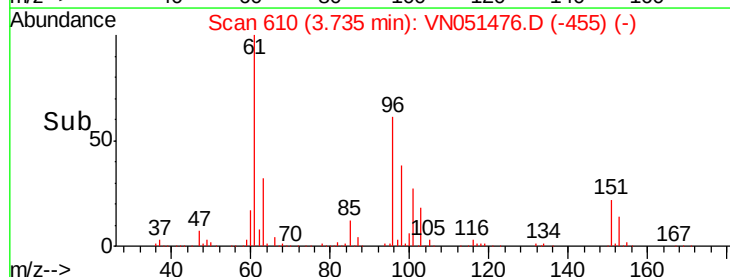
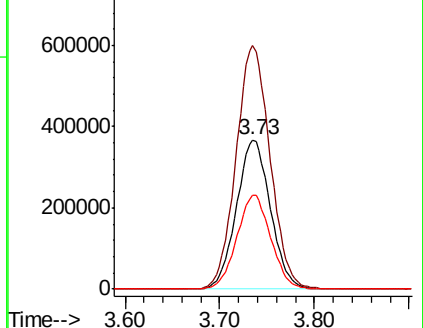
98 62.7 52.6 78.8

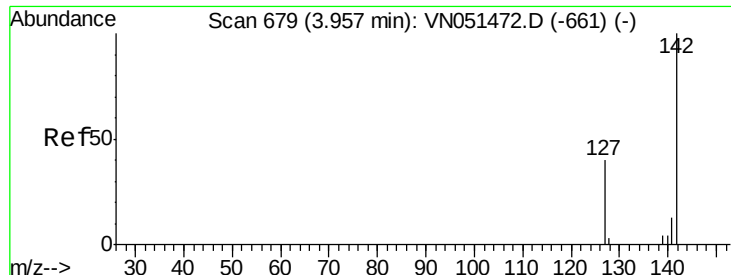


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

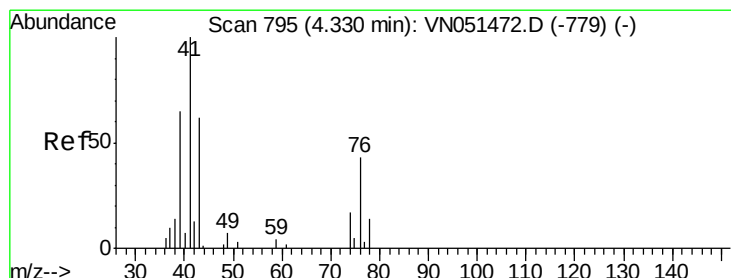
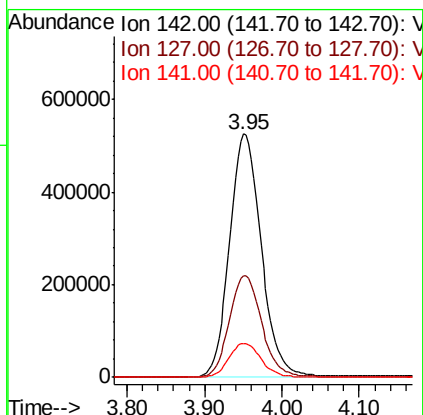
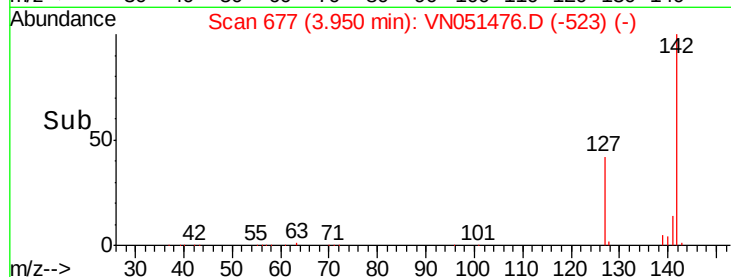
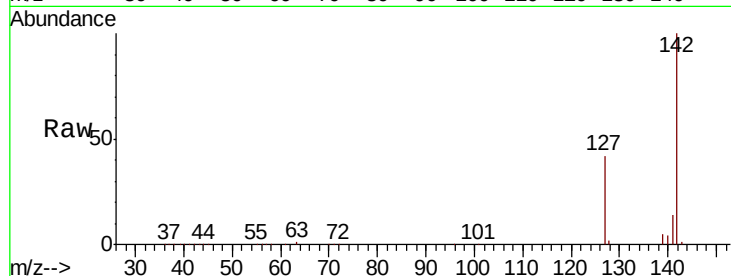




#11
Methvl Iodide
Concen: 186.325 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

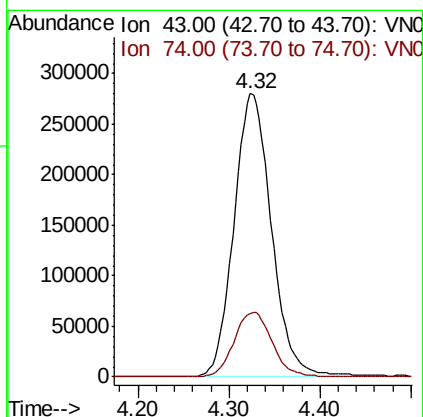
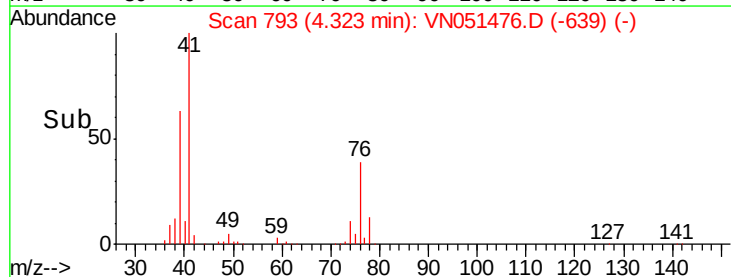
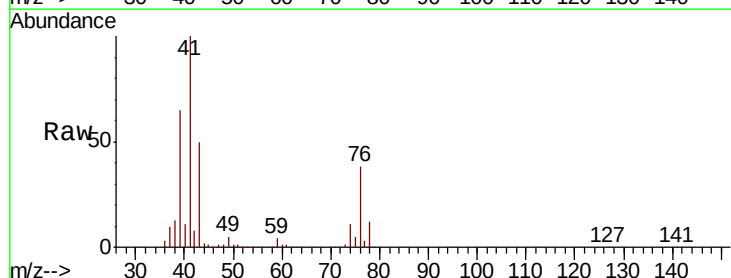
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

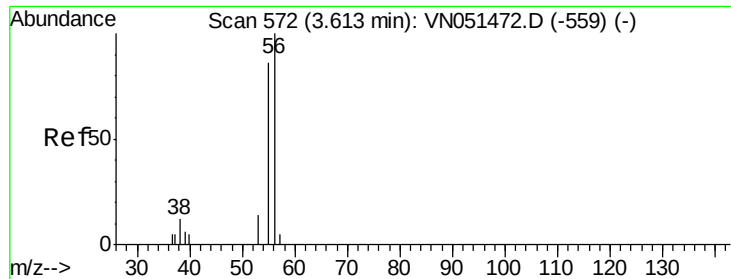
Tot Ion:142 Resp: 1500215
Ion Ratio Lower Upper
142 100
127 41.8 19.7 59.0
141 14.0 6.3 18.9



#12
Methyl Acetate
Concen: 165.828 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 795824
Ion Ratio Lower Upper
43 100
74 22.4 21.8 32.6





#13

Acrolein

Concen: 936.308 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

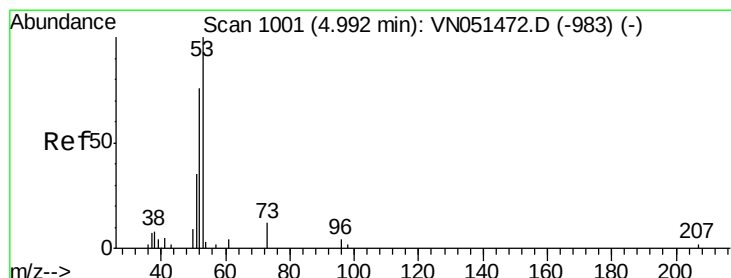
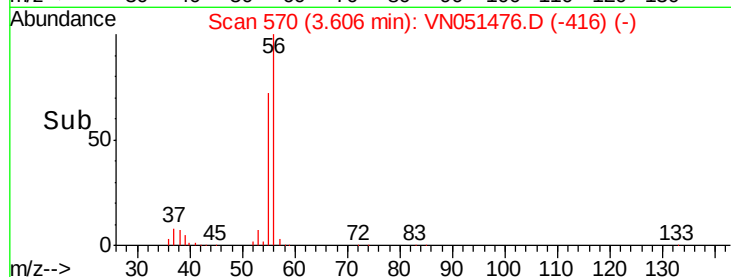
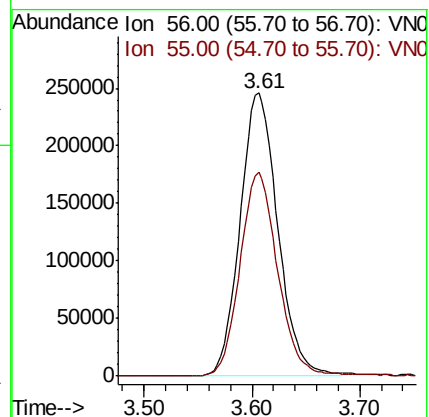
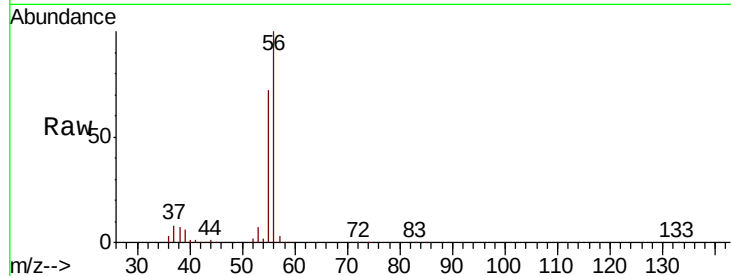
VSTDIC150

Tot Ion: 56 Resp: 599169

Ion Ratio Lower Upper

56 100

55 71.5 64.0 96.0



#14

Acrylonitrile

Concen: 887.838 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

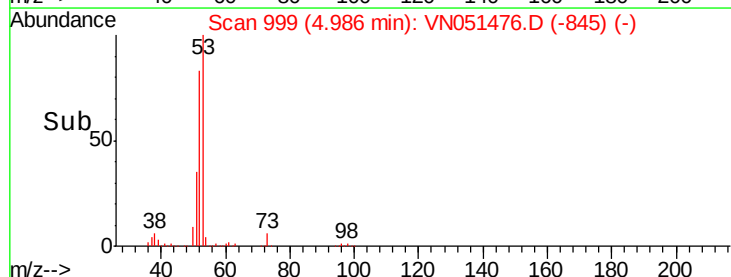
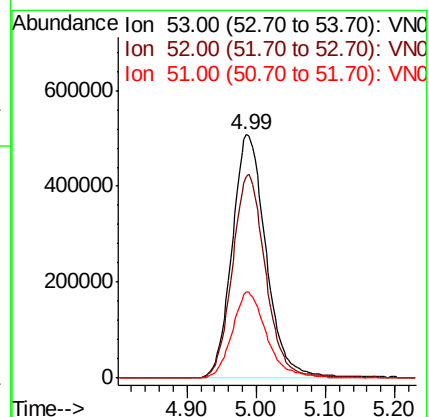
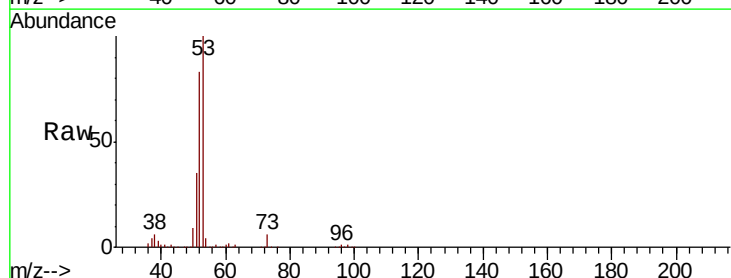
Tgt Ion: 53 Resp: 1730792

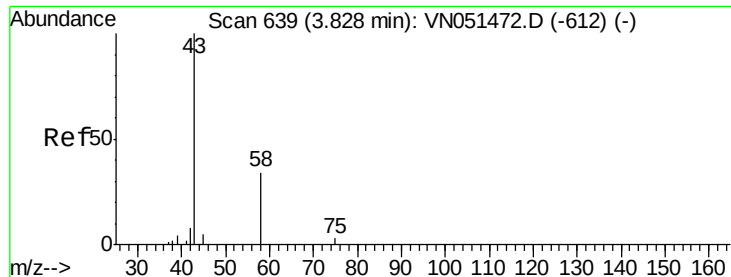
Ion Ratio Lower Upper

53 100

52 82.2 18.3 54.8#

51 35.8 19.7 59.1





#15

Acetone

Concen: 801.749 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

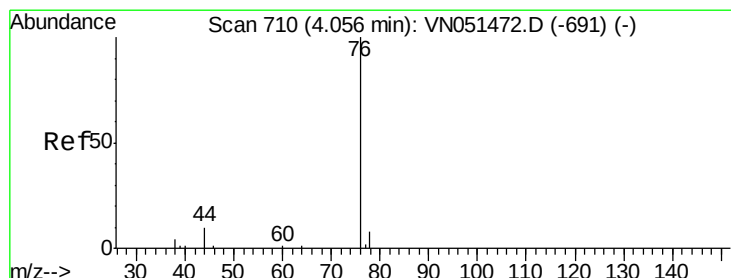
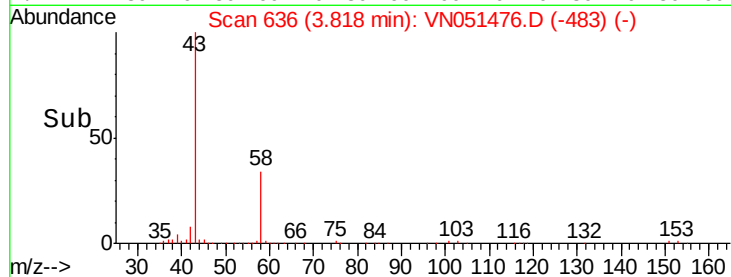
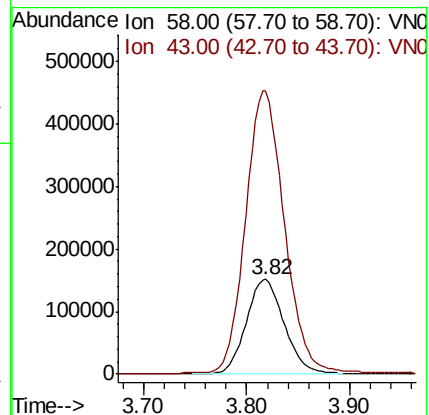
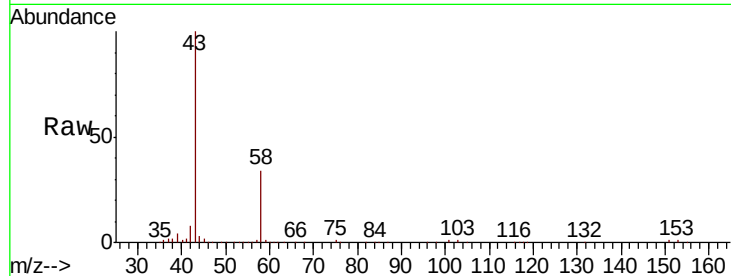
VSTDIC150

Tot Ion: 58 Resp: 384942

Ion Ratio Lower Upper

58 100

43 297.4 232.2 348.2



#16

Carbon Disulfide

Concen: 162.038 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN051476.D

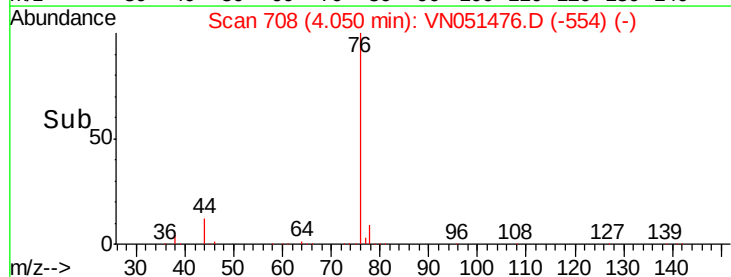
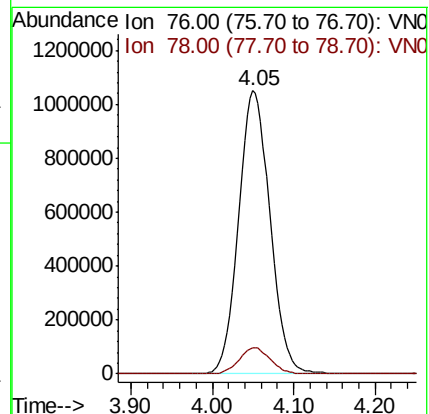
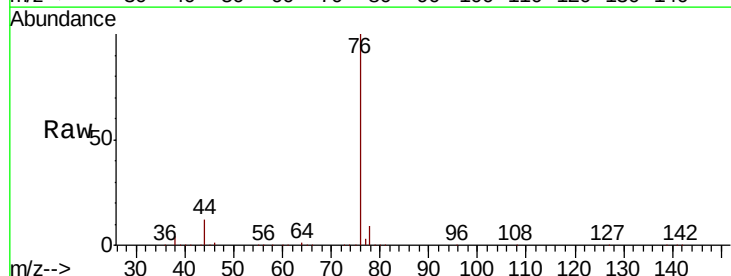
Acq: 25 Sep 2018 10:49

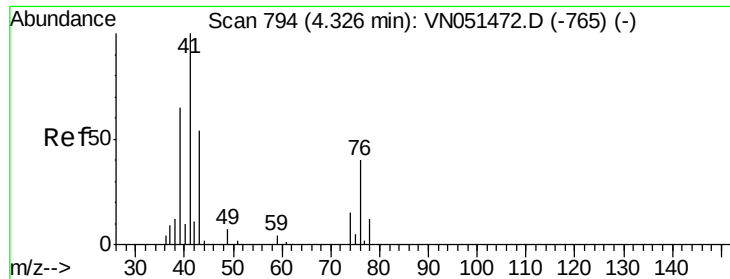
Tgt Ion: 76 Resp: 2806300

Ion Ratio Lower Upper

76 100

78 9.4 6.7 10.1





#17

Allvl chloride

Concen: 175.704 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

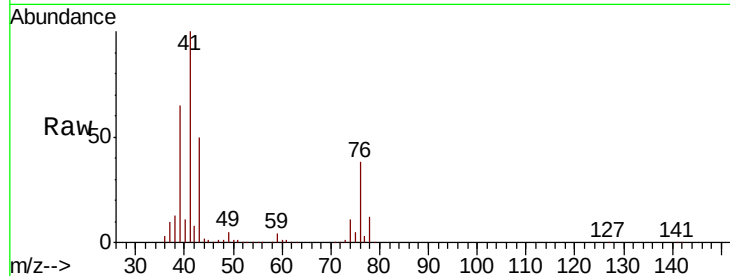
Tot Ion: 41 Resp: 1693575

Ion Ratio Lower Upper

41 100

39 64.8 32.6 97.8

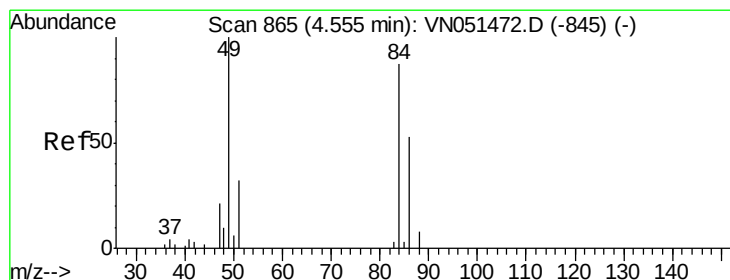
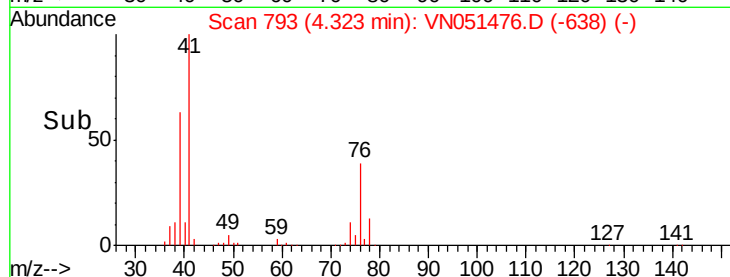
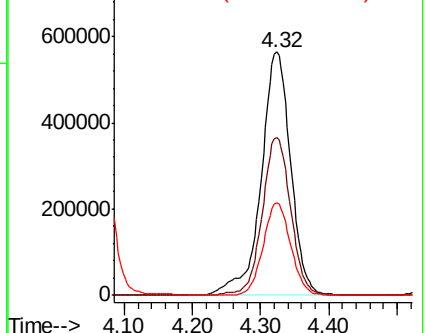
76 37.9 20.2 60.5



Abundance Ion 41.00 (40.70 to 41.70): VN051476.D (-765) (-)

Ion 39.00 (38.70 to 39.70): VN051476.D (-765) (-)

Ion 76.00 (75.70 to 76.70): VN051476.D (-765) (-)



#18

Methylene Chloride

Concen: 161.930 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Tgt Ion: 84 Resp: 1055905

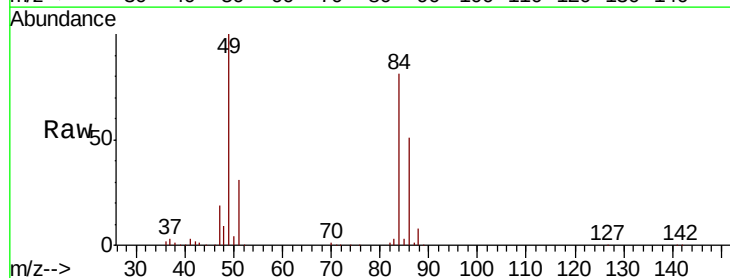
Ion Ratio Lower Upper

84 100

49 123.2 91.6 137.4

51 38.2 29.8 44.6

86 62.6 48.2 72.4

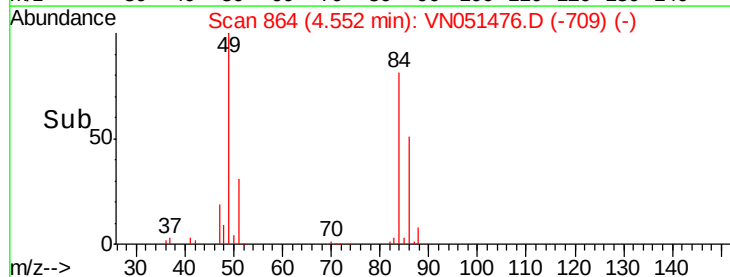
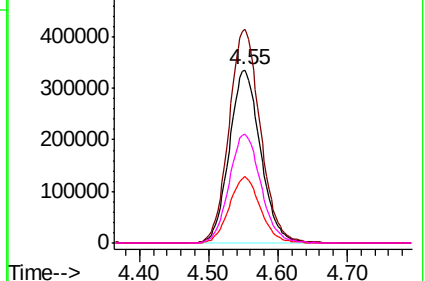


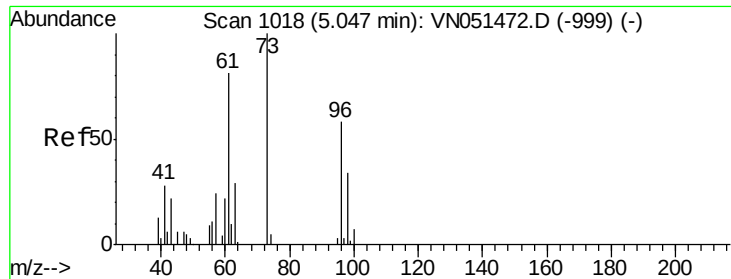
Abundance Ion 84.00 (83.70 to 84.70): VN051476.D (-709) (-)

Ion 49.00 (48.70 to 49.70): VN051476.D (-709) (-)

Ion 51.00 (50.70 to 51.70): VN051476.D (-709) (-)

Ion 86.00 (85.70 to 86.70): VN051476.D (-709) (-)

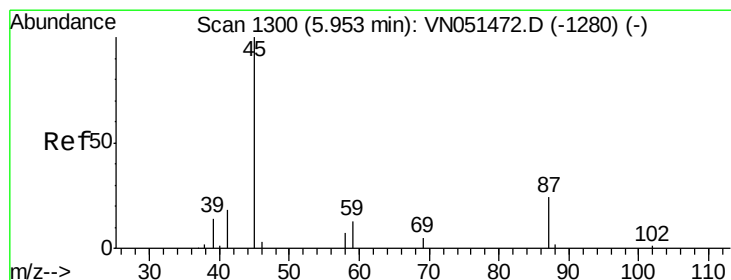
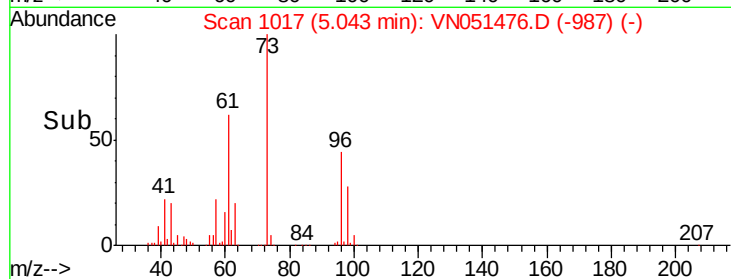
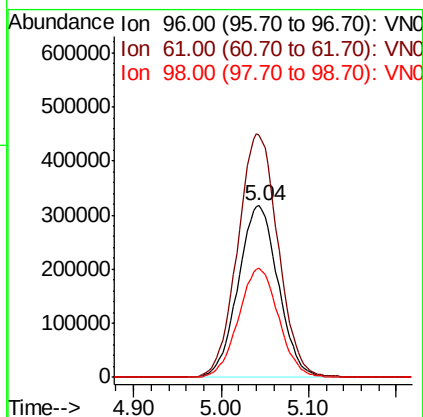
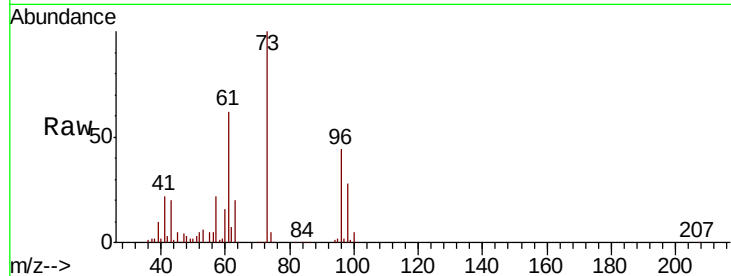




#19
trans-1,2-Dichloroethene
Concen: 169.953 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

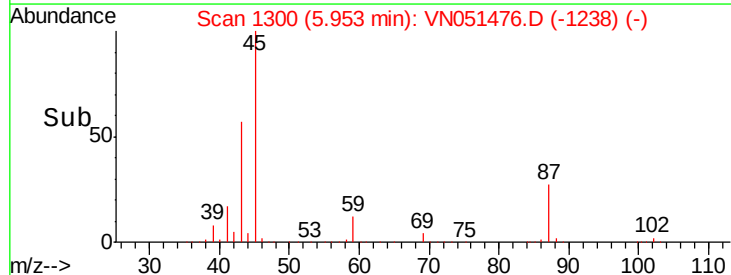
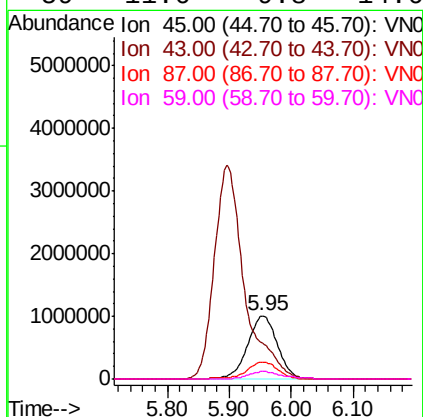
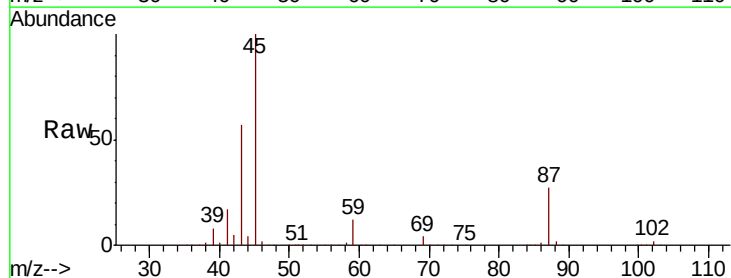
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

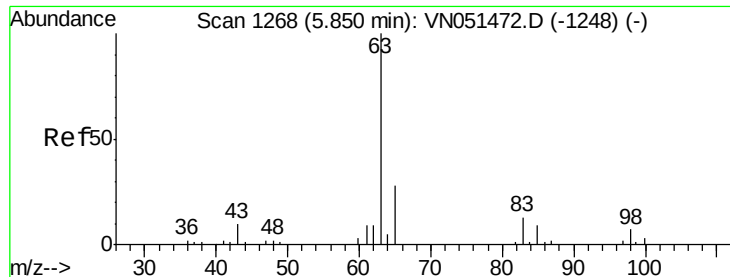
Tot Ion: 96 Resp: 1004528
Ion Ratio Lower Upper
96 100
61 141.1 112.3 168.5
98 63.4 47.1 70.7



#20
Diisopropyl ether
Concen: 175.975 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 45 Resp: 3367897
Ion Ratio Lower Upper
45 100
43 56.4 62.1 93.1#
87 27.4 19.9 29.9
59 11.6 9.8 14.6

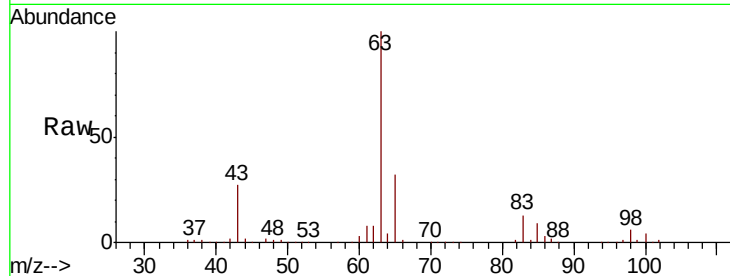




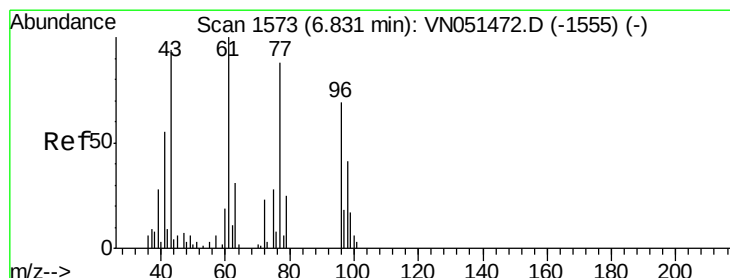
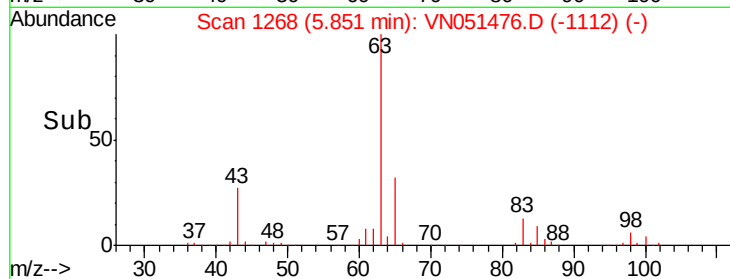
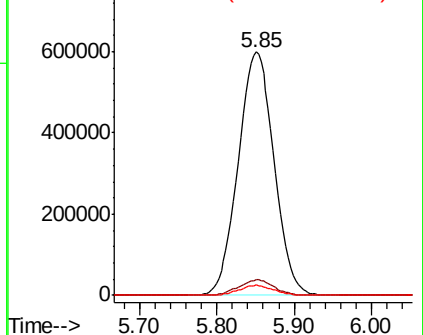
#21
 1,1-Dichloroethane
 Concen: 167.260 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1928222
 Ion Ratio Lower Upper
 63 100
 98 6.4 4.1 12.3
 100 4.1 1.6 4.7

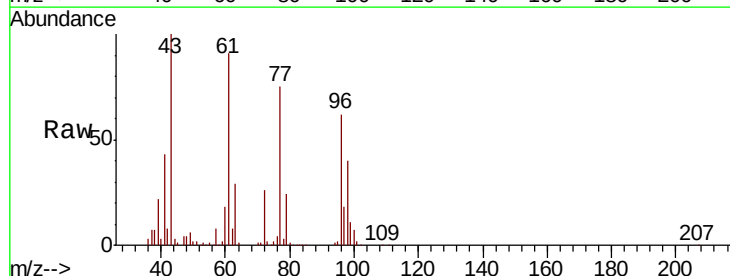


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

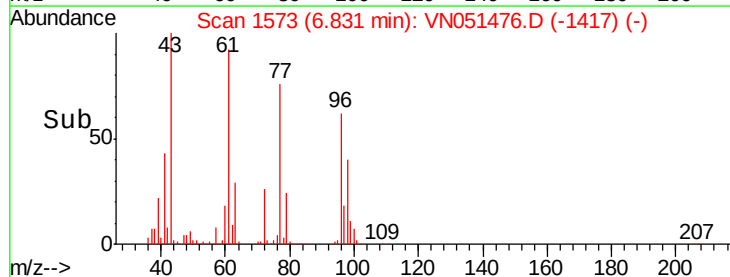
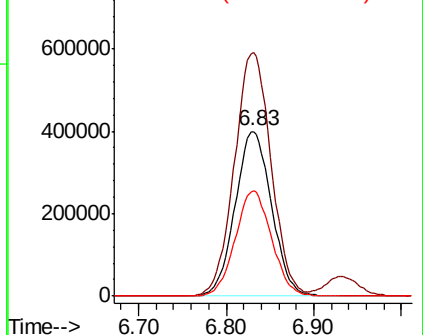


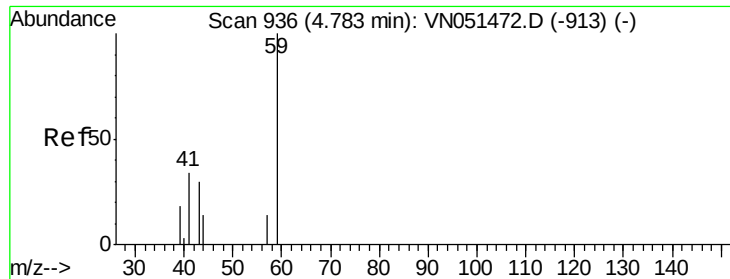
#22
 cis-1,2-Dichloroethene
 Concen: 174.526 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 96 Resp: 1154304
 Ion Ratio Lower Upper
 96 100
 61 149.1 124.5 186.7
 98 63.9 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

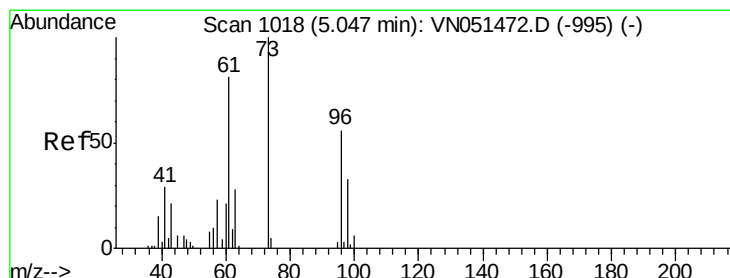
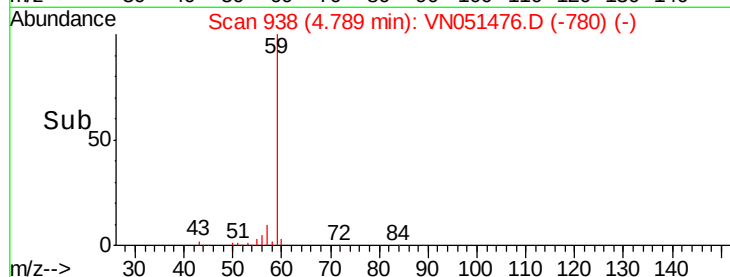
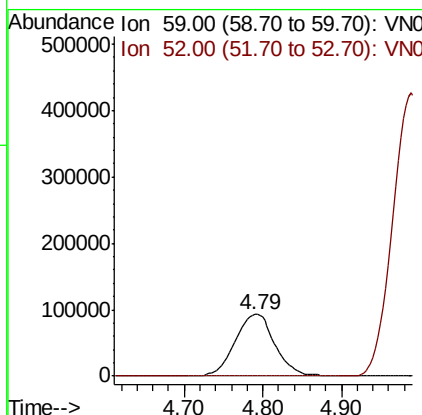
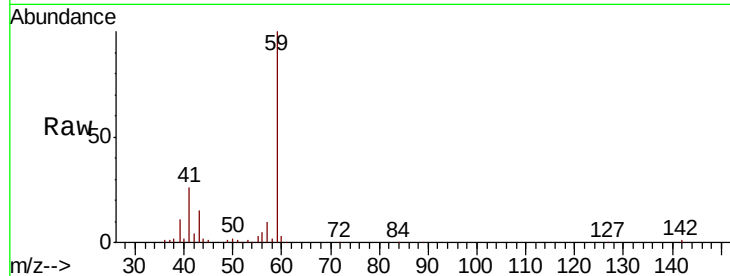




#23
tert-Butyl Alcohol
Concen: 904.434 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

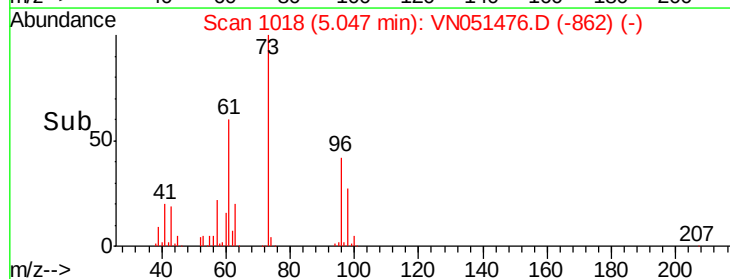
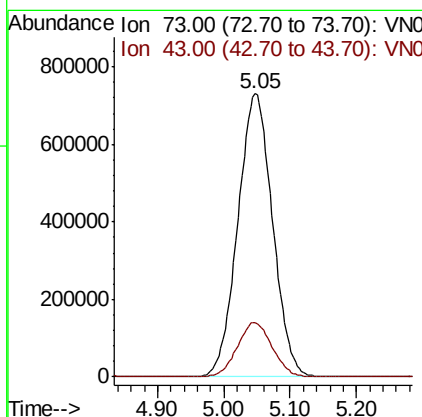
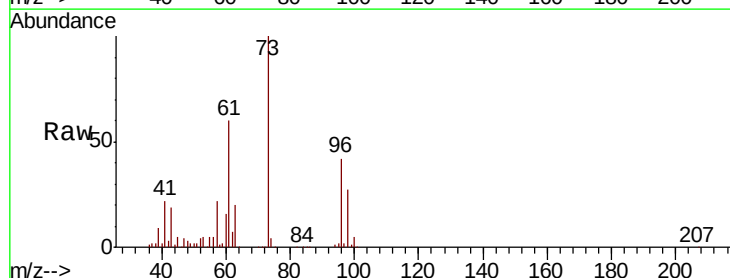
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

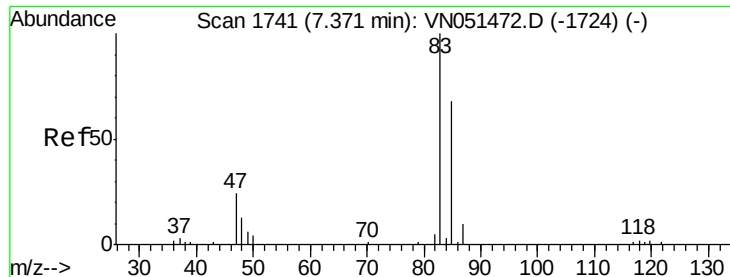
Tot Ion: 59 Resp: 332025
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 178.717 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 73 Resp: 2657719
Ion Ratio Lower Upper
73 100
43 19.1 5.4 8.0#





#25

Chloroform

Concen: 166.287 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

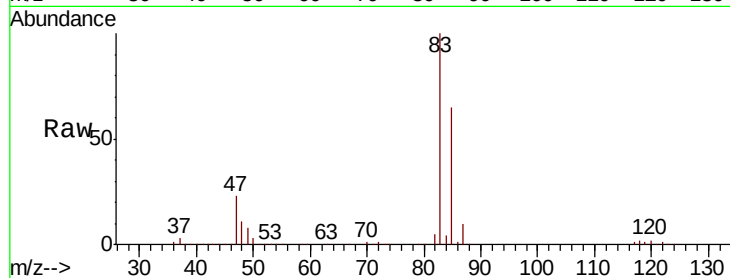
VSTDIC150

Tot Ion: 83 Resp: 1912047

Ion Ratio Lower Upper

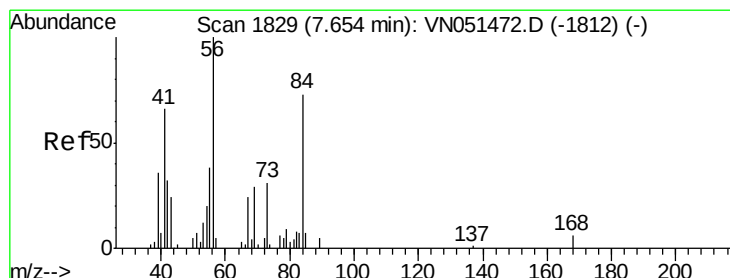
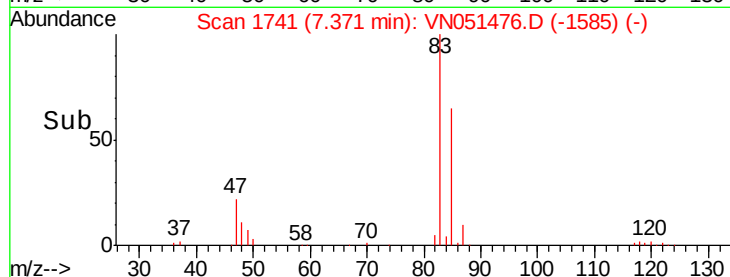
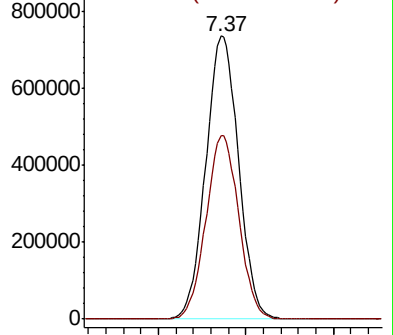
83 100

85 64.7 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 182.474 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

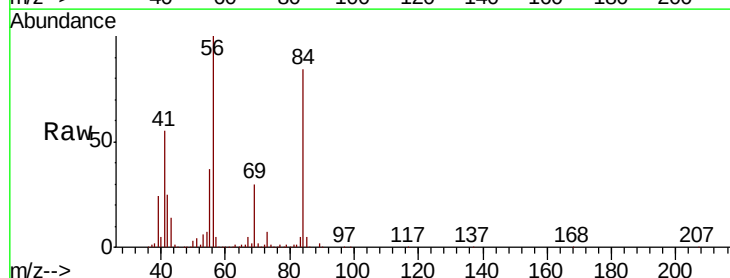
Tgt Ion: 56 Resp: 1790934

Ion Ratio Lower Upper

56 100

89 1.9 1.5 2.3

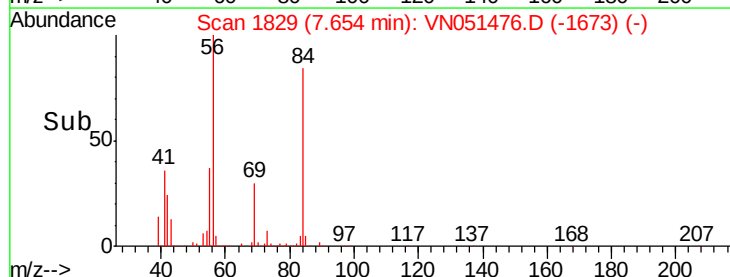
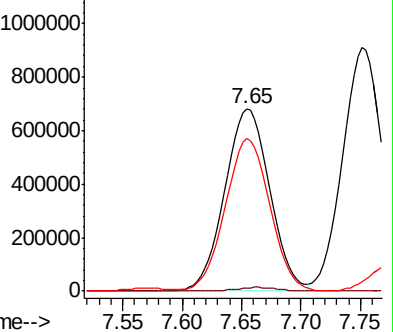
84 83.1 64.2 96.4

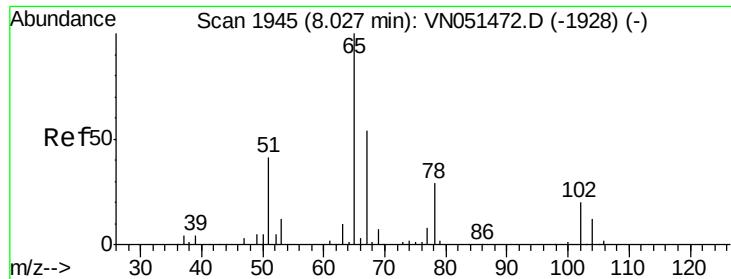


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

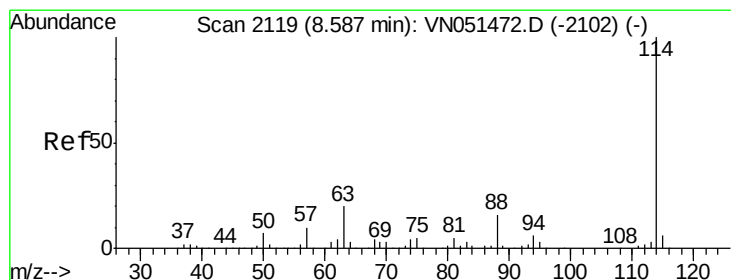
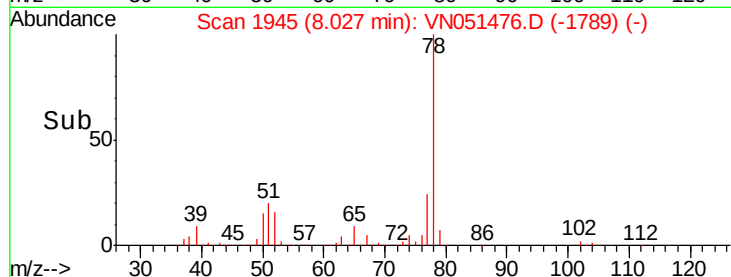
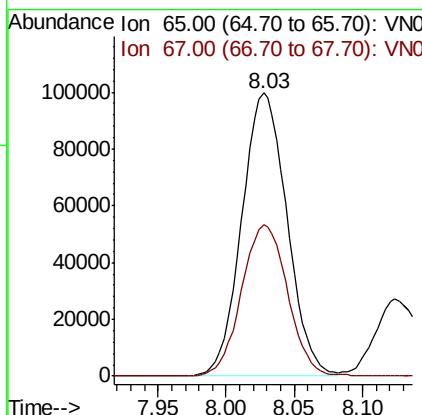
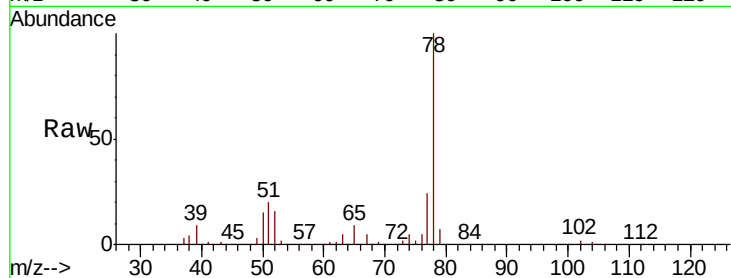




#27
 1,2-Dichloroethane-d4
 Concen: 28.826 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

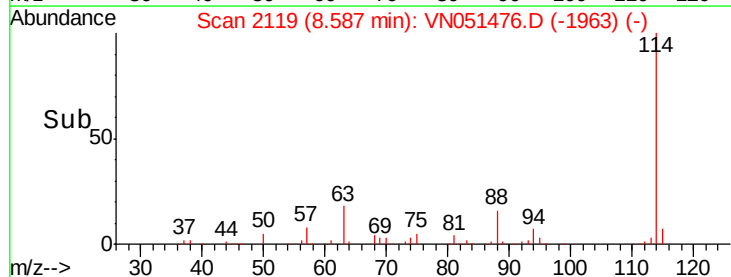
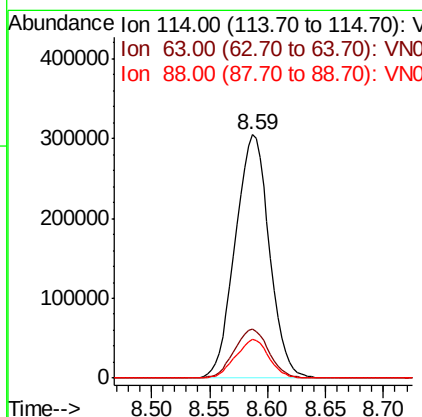
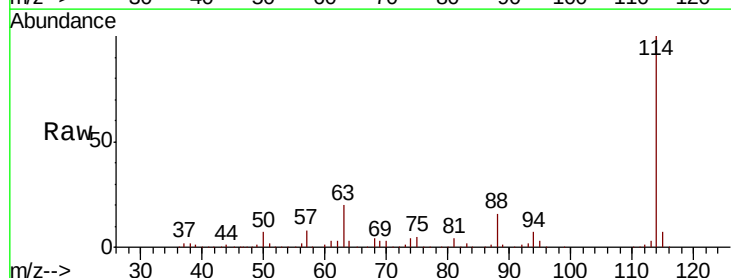
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

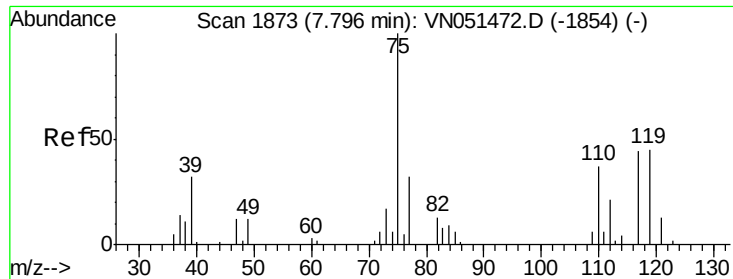
Tot Ion: 65 Resp: 229617
 Ion Ratio Lower Upper
 65 100
 67 54.4 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 114 Resp: 624888
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.2 24.2
 88 15.5 12.2 18.4

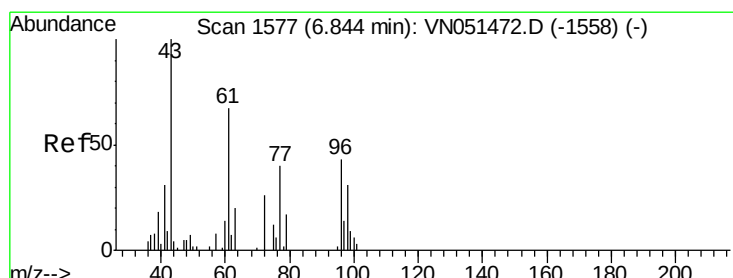
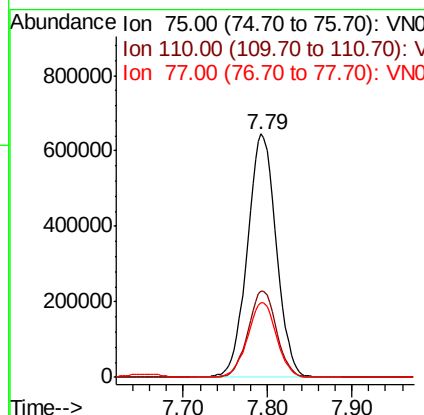
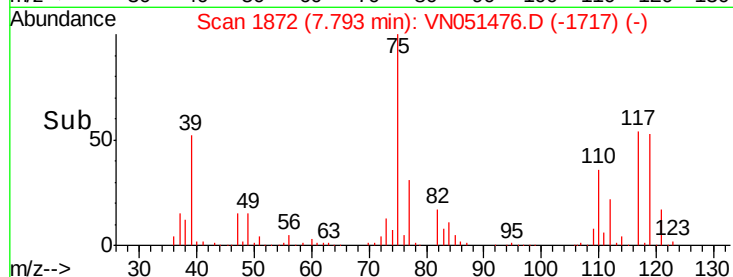
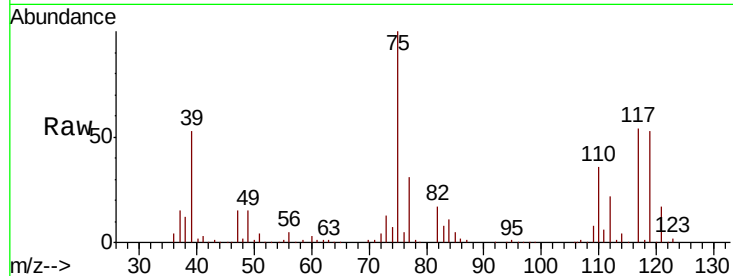




#29
 1,1-Dichloropropene
 Concen: 174.337 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

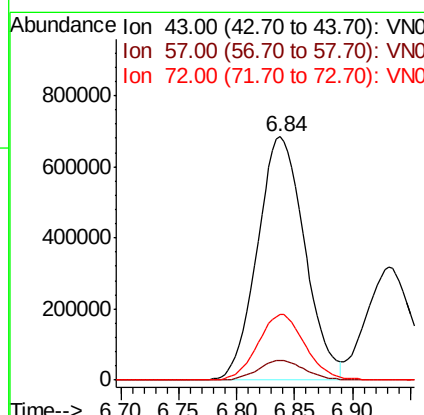
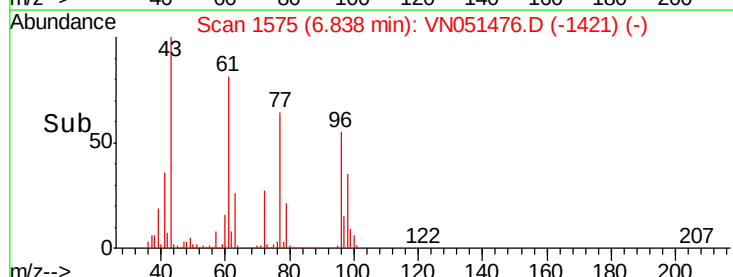
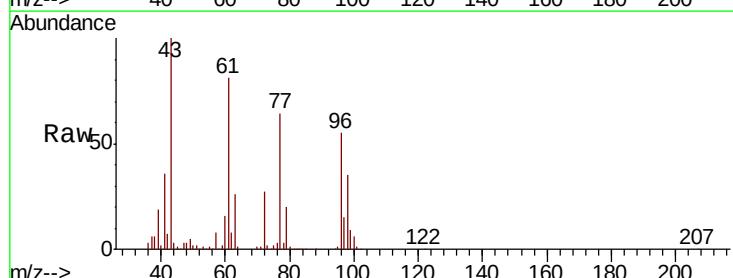
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

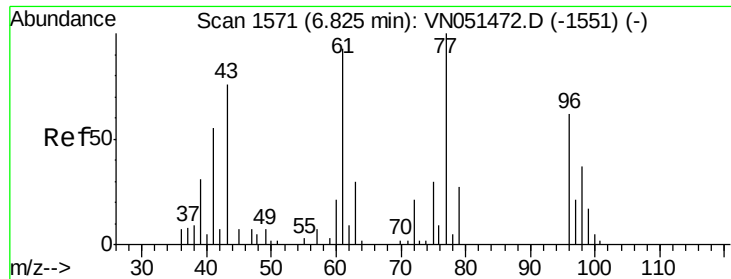
Tot Ion: 75 Resp: 1533915
 Ion Ratio Lower Upper
 75 100
 110 35.1 0.0 70.8
 77 31.0 0.0 61.6



#30
 2-Butanone
 Concen: 851.768 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 1935843
 Ion Ratio Lower Upper
 43 100
 57 8.1 4.5 6.7#
 72 26.9 21.5 32.3

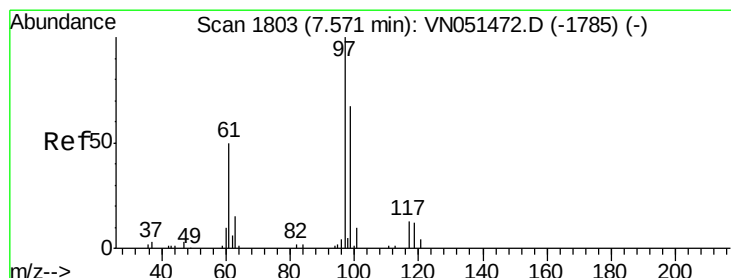
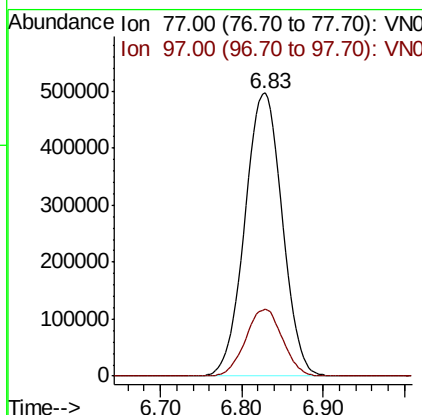
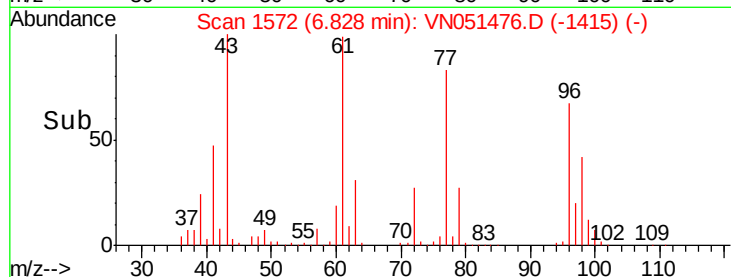
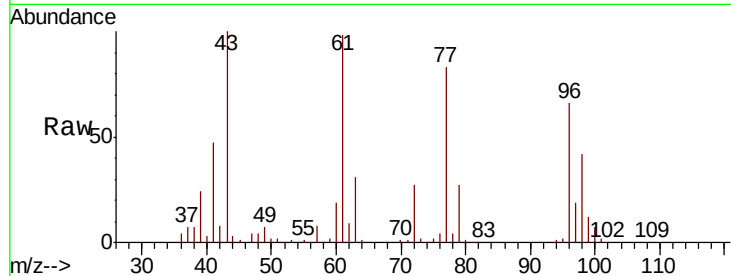




#31
 2,2-Dichloropropane
 Concen: 167.991 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

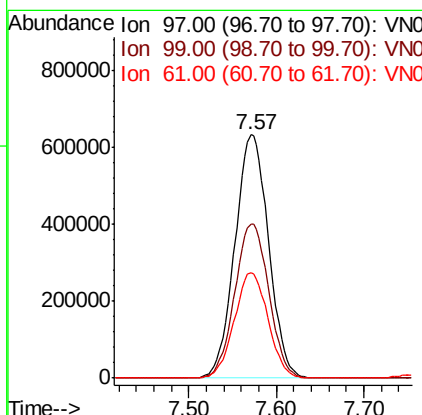
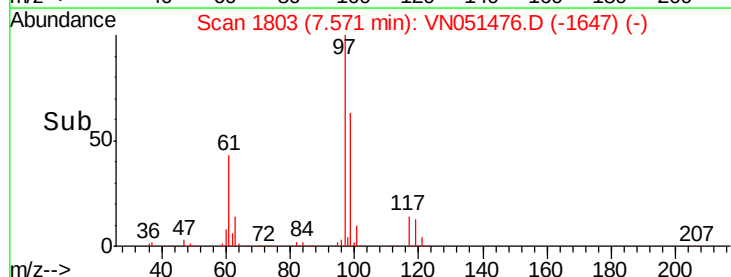
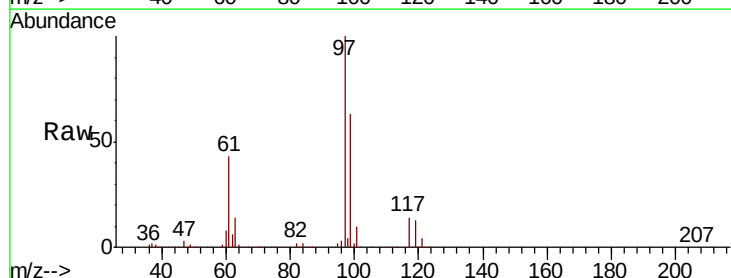
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

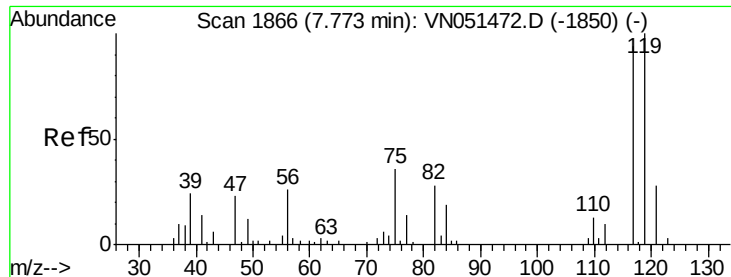
Tot Ion: 77 Resp: 1576623
 Ion Ratio Lower Upper
 77 100
 97 23.4 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 168.425 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 97 Resp: 1691769
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.6 77.4
 61 43.5 37.4 56.0

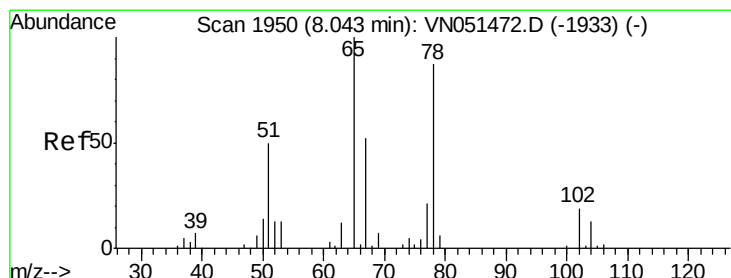
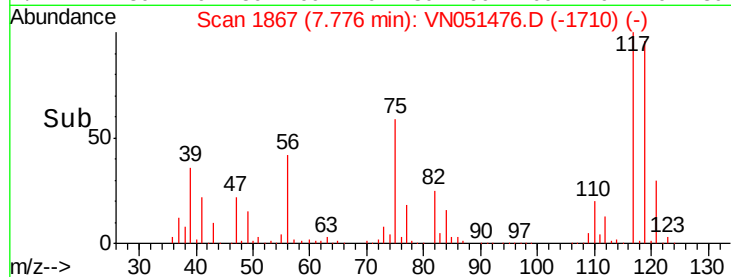
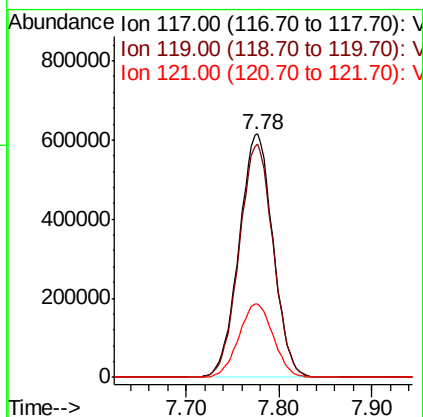
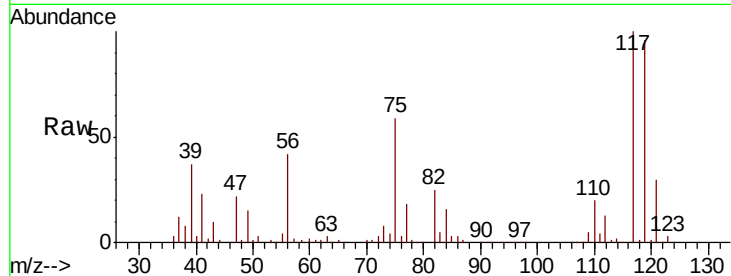




#33
Carbon Tetrachloride
Concen: 169.264 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

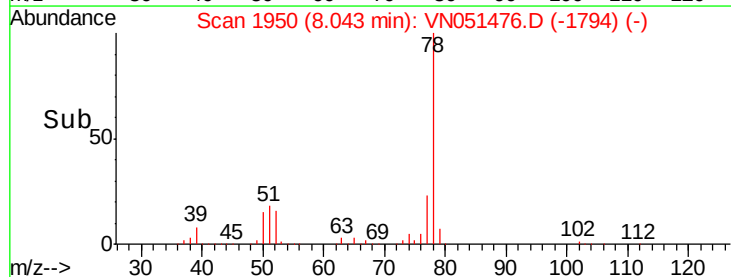
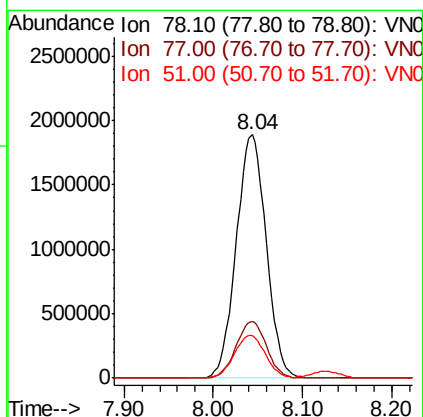
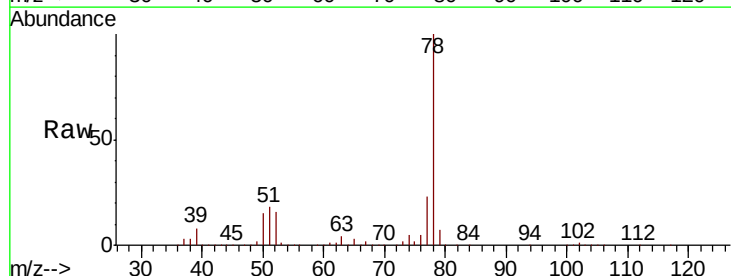
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

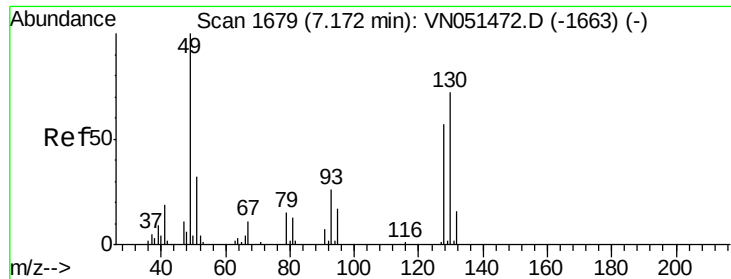
Tot Ion:117 Resp: 1560035
Ion Ratio Lower Upper
117 100
119 95.8 85.1 127.7
121 30.2 24.2 36.2



#34
Benzene
Concen: 168.780 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 78 Resp: 4408899
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2
51 17.5 46.2 69.4#

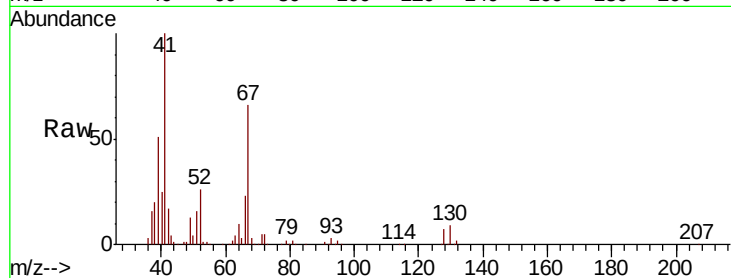




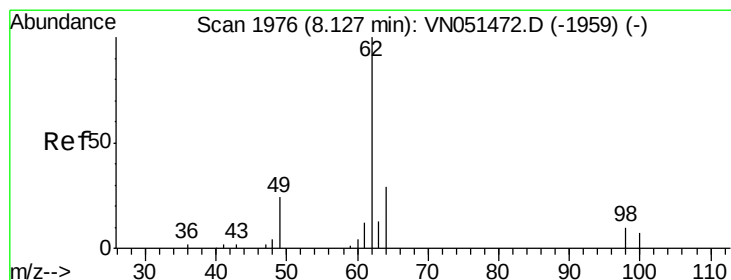
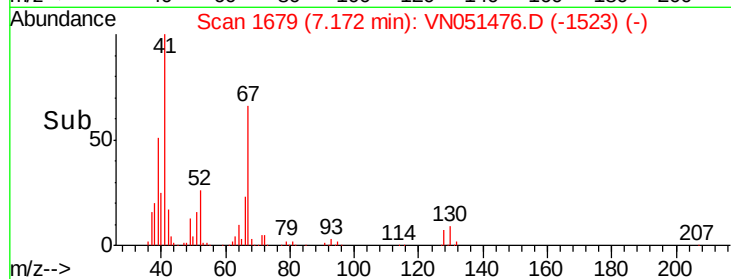
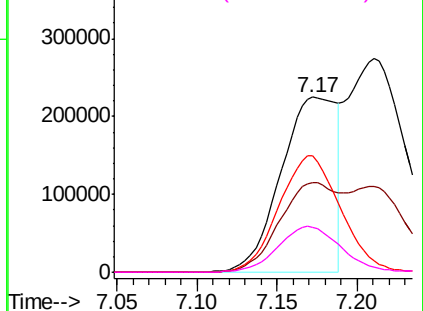
#35
Methacrylonitrile
Concen: 166.094 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 543973
Ion Ratio Lower Upper
41 100
39 51.1 22.6 67.7
67 66.5 28.9 86.8
52 25.8 11.3 33.9

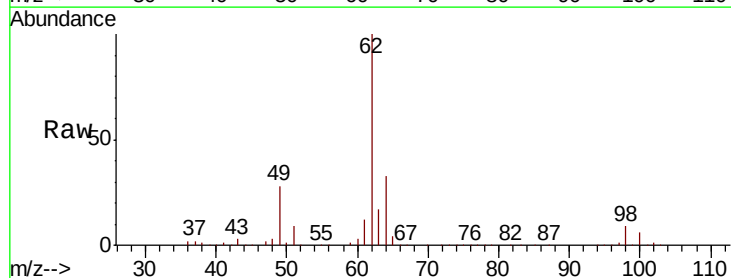


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

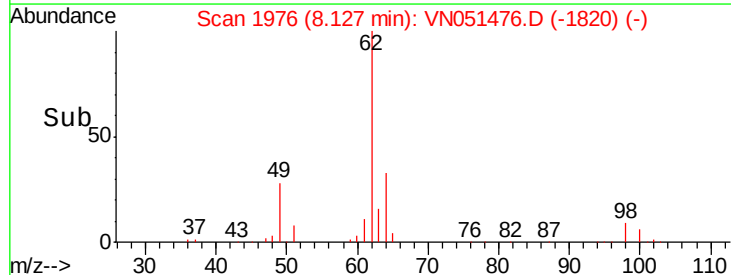
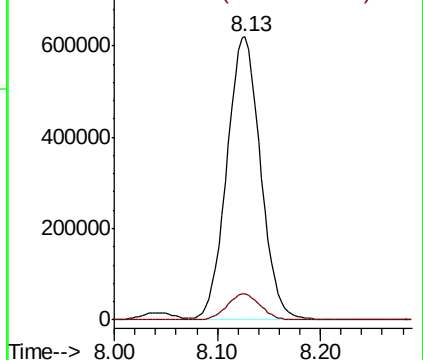


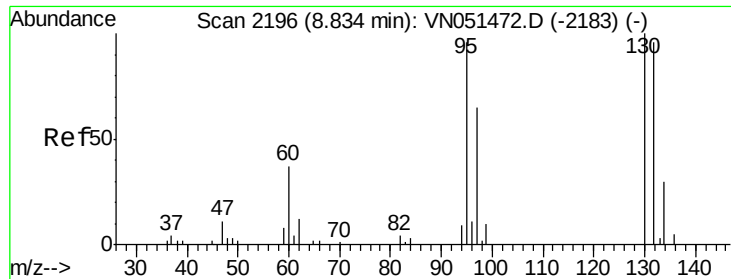
#36
1,2-Dichloroethane
Concen: 165.532 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 62 Resp: 1407985
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

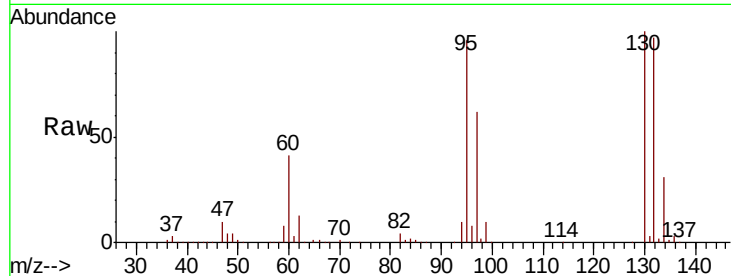




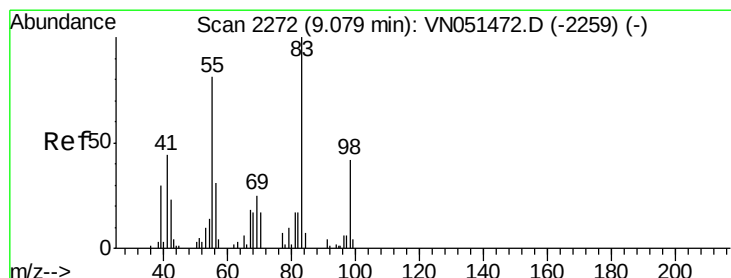
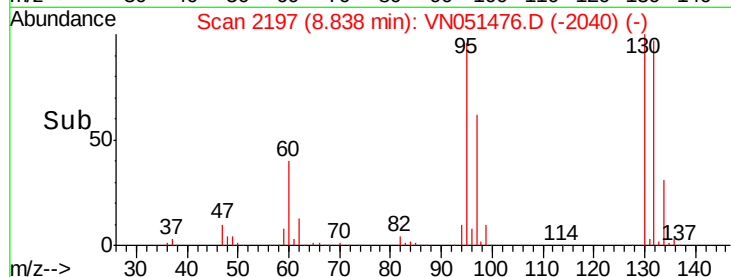
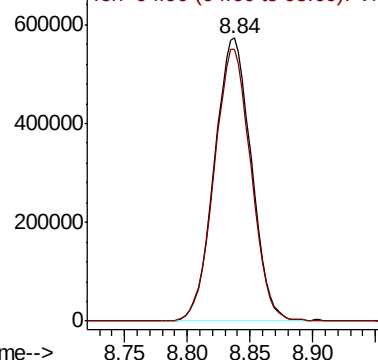
#37
 Trichloroethene
 Concen: 169.114 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 1170856
 Ion Ratio Lower Upper
 130 100
 95 96.2 76.4 114.6

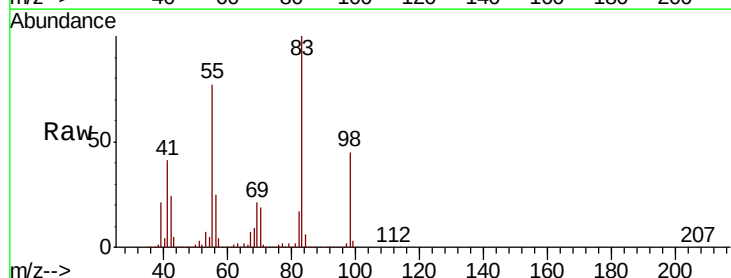


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

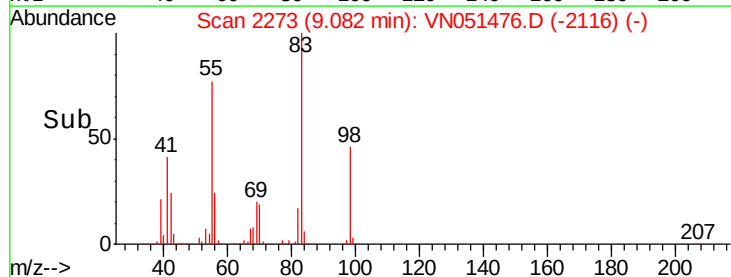
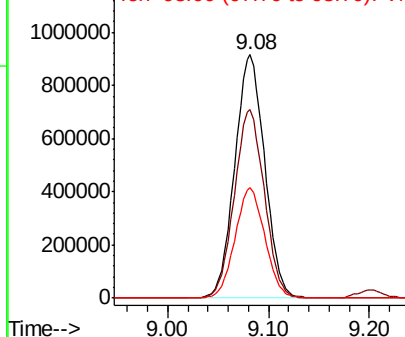


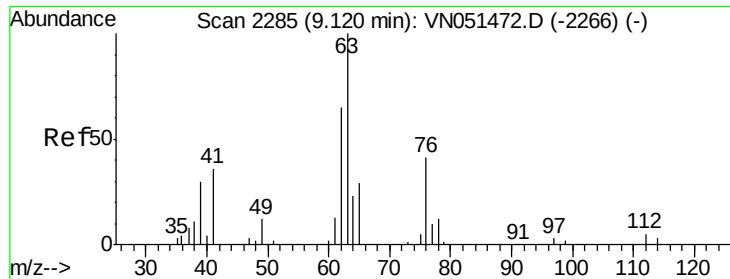
#38
 Methylcyclohexane
 Concen: 184.874 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 83 Resp: 1885609
 Ion Ratio Lower Upper
 83 100
 55 77.6 43.0 129.2
 98 45.2 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 167.130 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

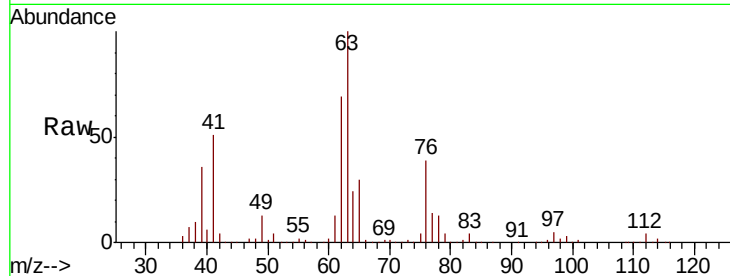
VSTDIC150

Tot Ion: 63 Resp: 1187652

Ion Ratio Lower Upper

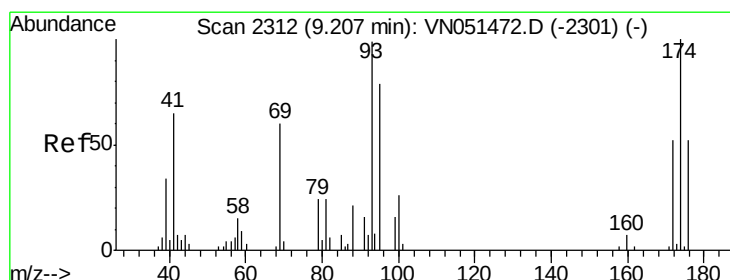
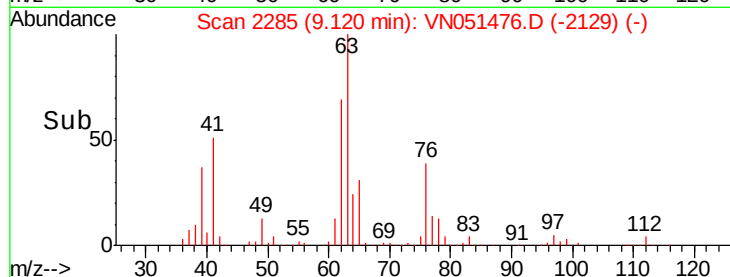
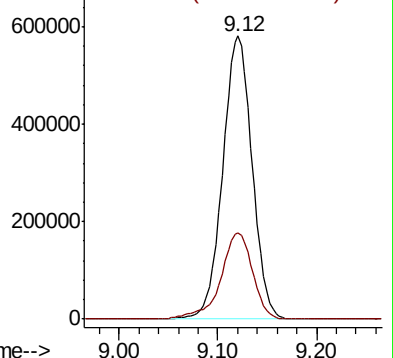
63 100

65 30.4 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: 166.983 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

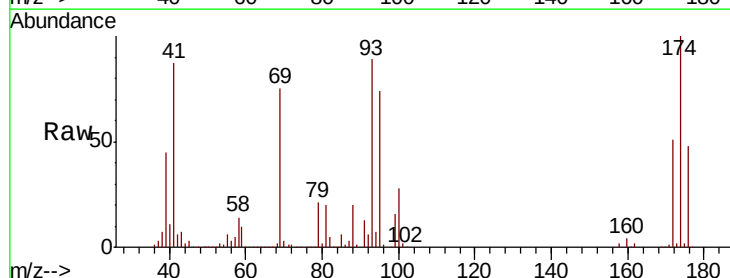
Tgt Ion: 93 Resp: 675374

Ion Ratio Lower Upper

93 100

95 83.4 0.0 162.0

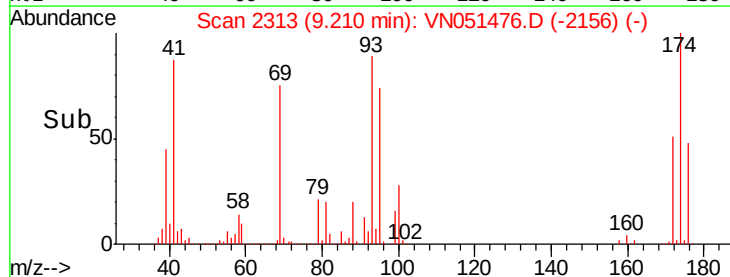
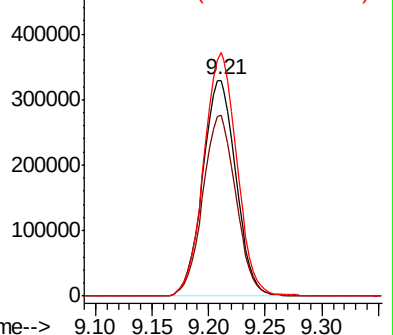
174 112.2 0.0 214.0

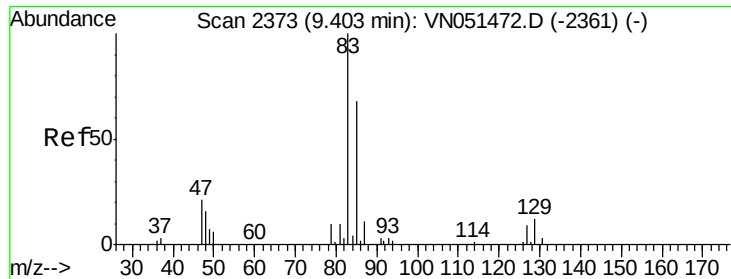


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 170.196 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

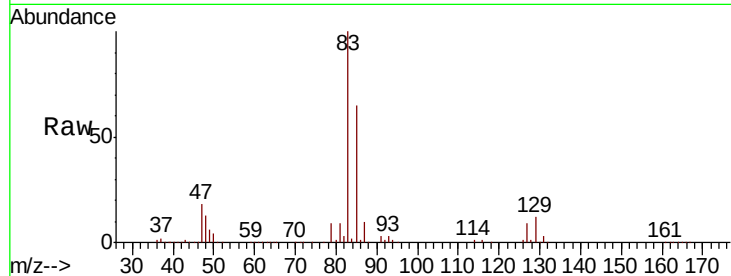
Tot Ion: 83 Resp: 1513432

Ion Ratio Lower Upper

83 100

85 64.8 55.7 83.5

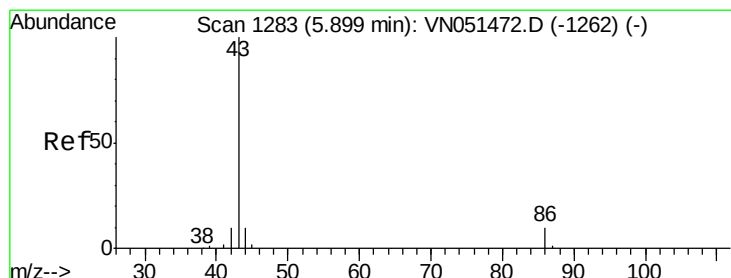
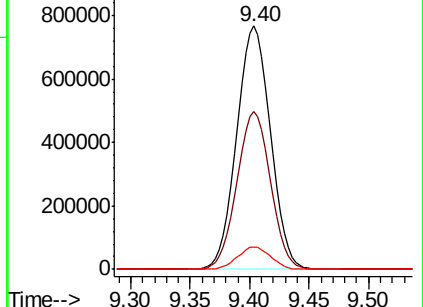
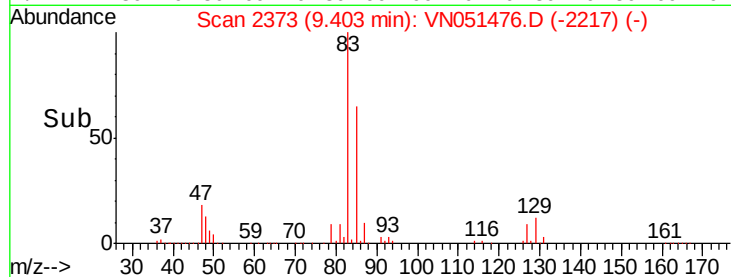
127 9.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN051476.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051476.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051476.D (-2217) (-)



#42

Vinyl Acetate

Concen: 914.441 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051476.D

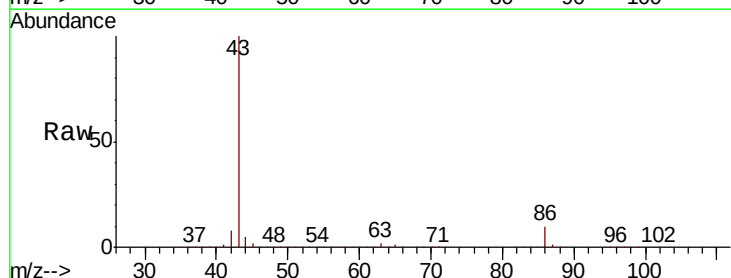
Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 11556410

Ion Ratio Lower Upper

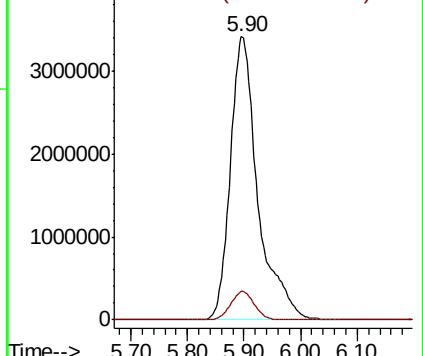
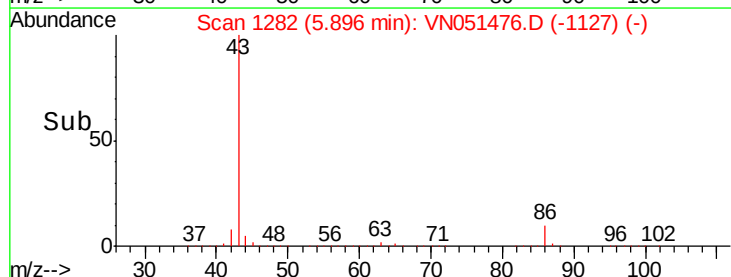
43 100

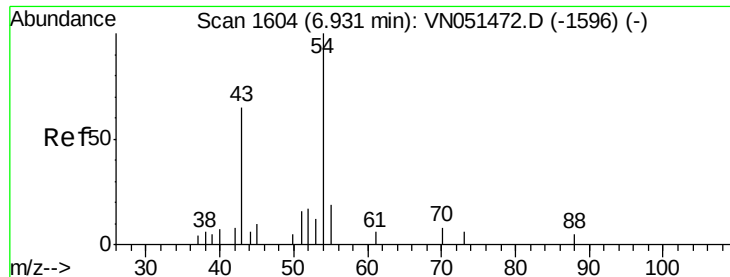
86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN051476.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN051476.D (-1127) (-)

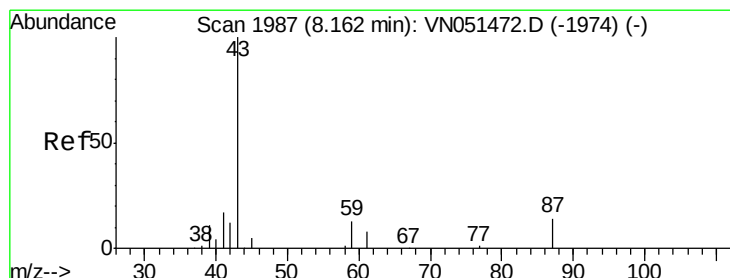
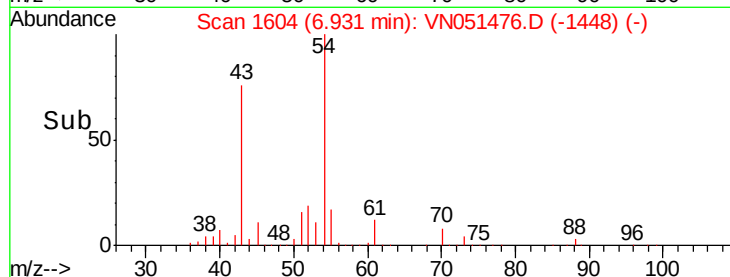
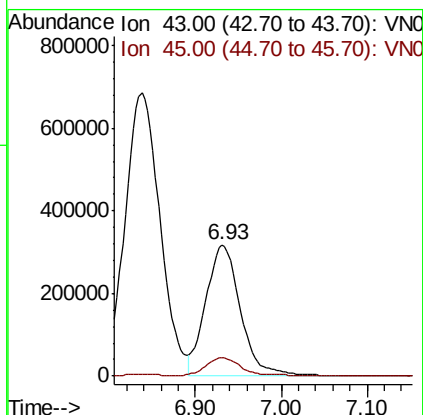
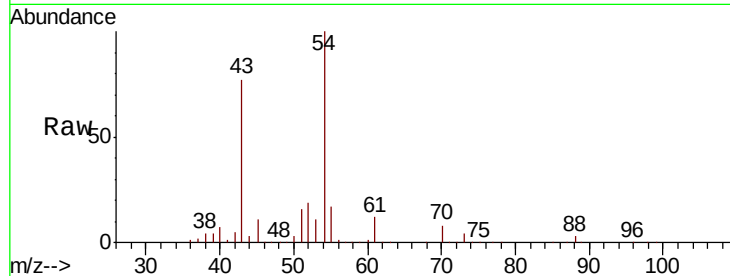




#43
Ethyl Acetate
Concen: 186.792 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

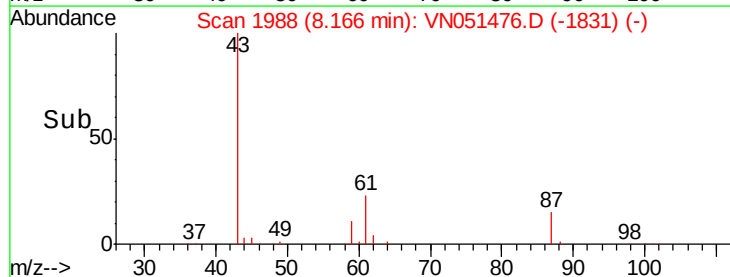
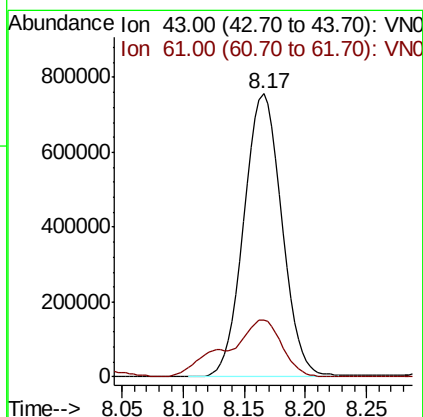
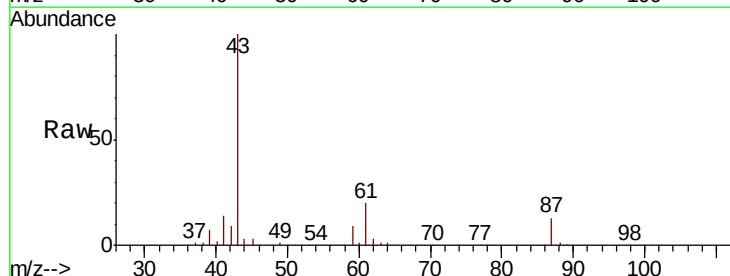
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

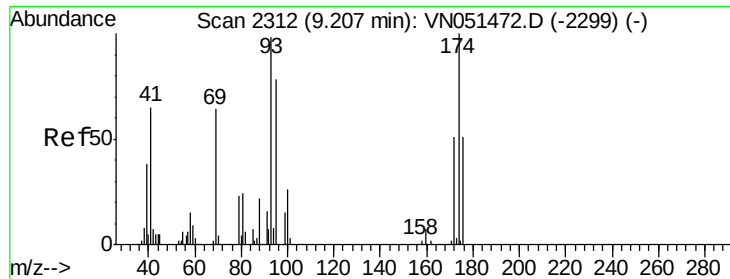
Tot Ion: 43 Resp: 883307
Ion Ratio Lower Upper
43 100
45 13.4 11.0 16.6



#44
Isopropyl Acetate
Concen: 178.854 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 1626656
Ion Ratio Lower Upper
43 100
61 20.6 15.9 23.9

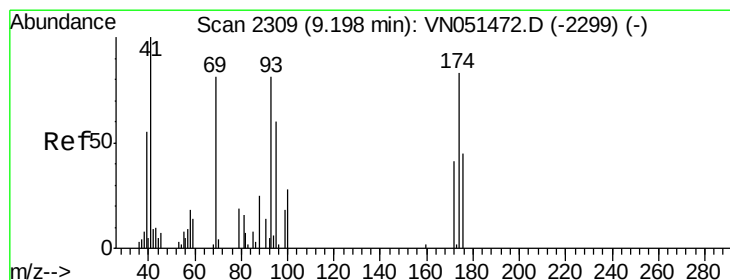
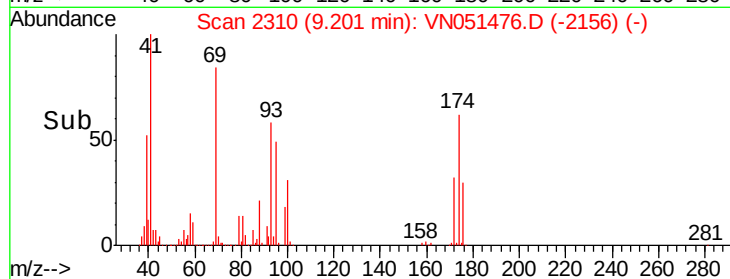
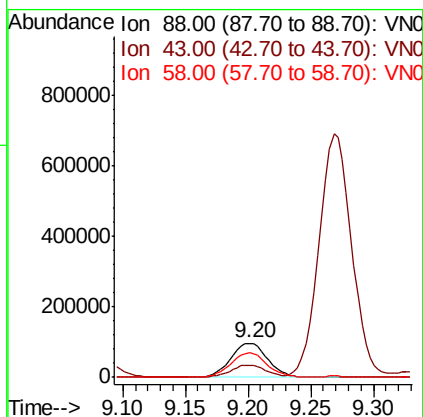
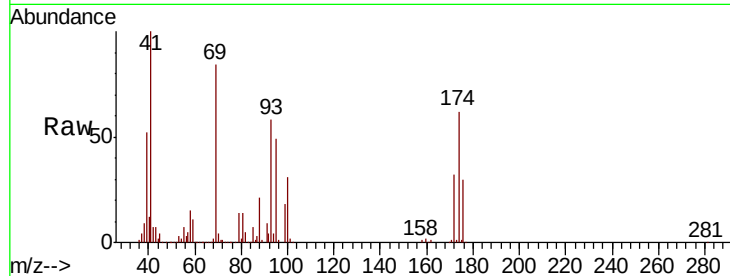




#45
1,4-Dioxane
Concen: 3574.362 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.01 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

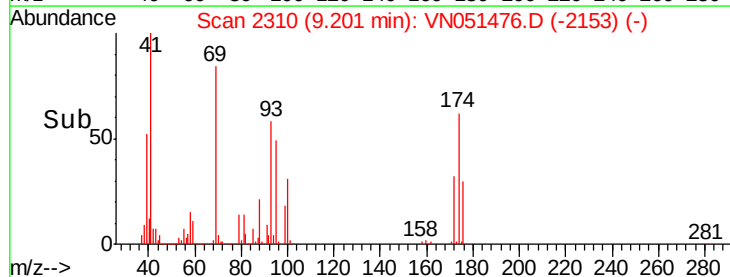
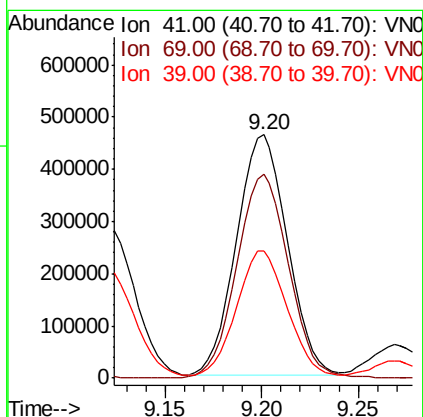
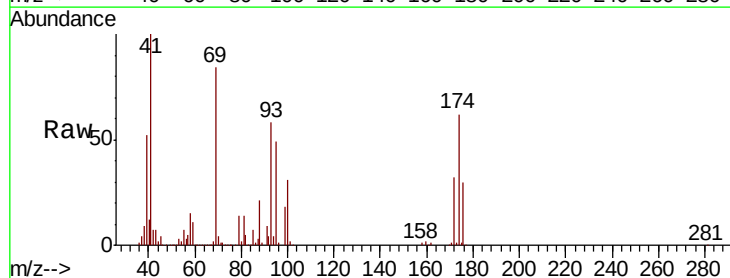
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

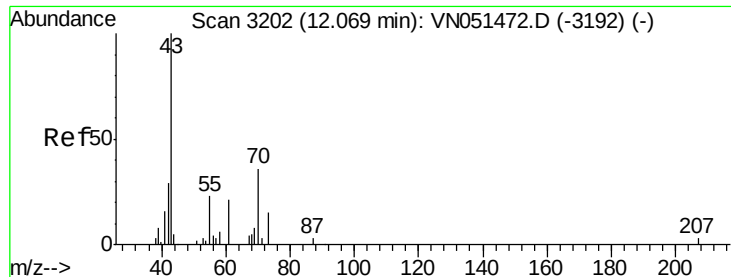
Tot Ion: 88 Resp: 197773
Ion Ratio Lower Upper
88 100
43 34.1 26.2 39.2
58 71.6 65.6 98.4



#46
Methyl methacrylate
Concen: 187.232 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 41 Resp: 843271
Ion Ratio Lower Upper
41 100
69 84.5 40.7 122.1
39 52.1 27.3 81.9





#47

n-amyl Acetate

Concen: 198.799 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

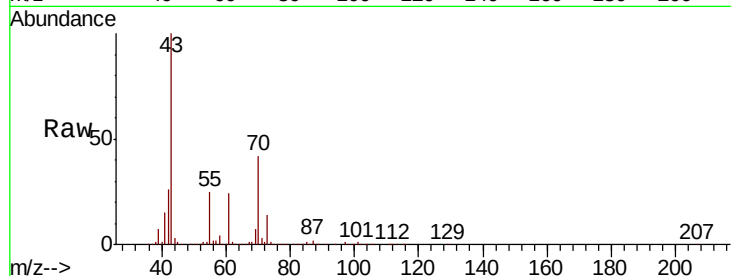
VSTDIC150

Tot Ion: 43 Resp: 1444807

Ion Ratio Lower Upper

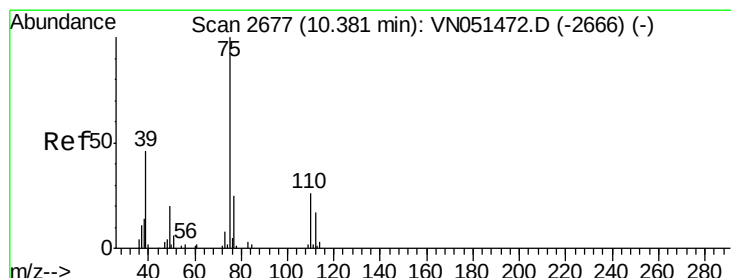
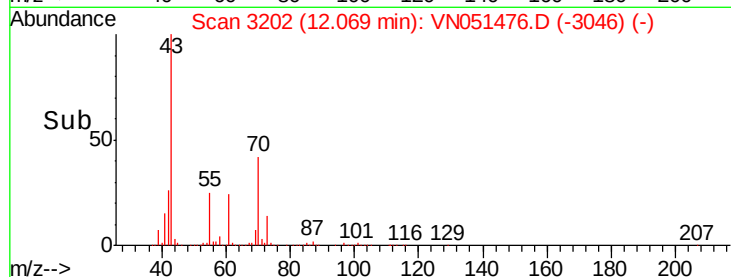
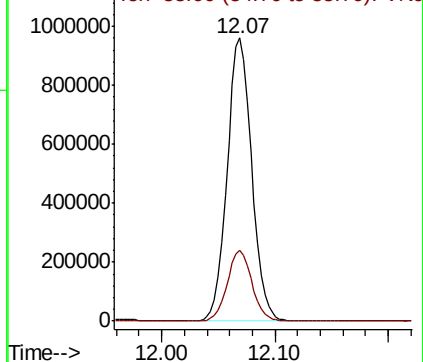
43 100

55 25.3 12.2 18.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 184.085 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051476.D

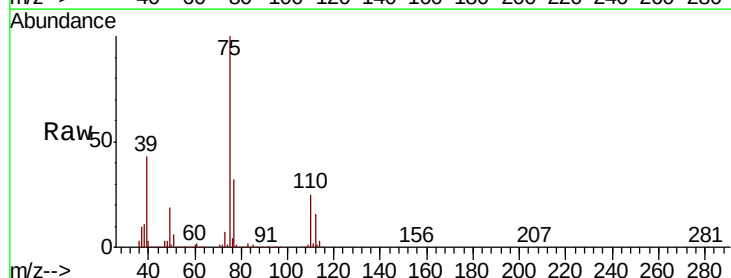
Acq: 25 Sep 2018 10:49

Tgt Ion: 75 Resp: 1625477

Ion Ratio Lower Upper

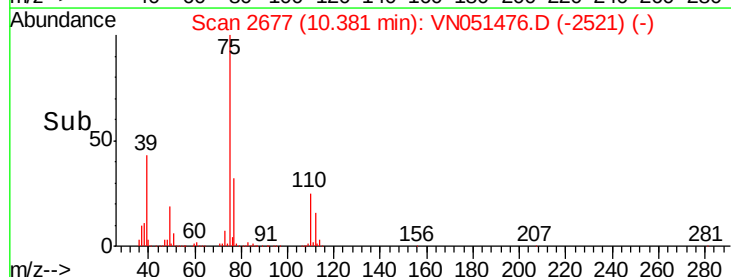
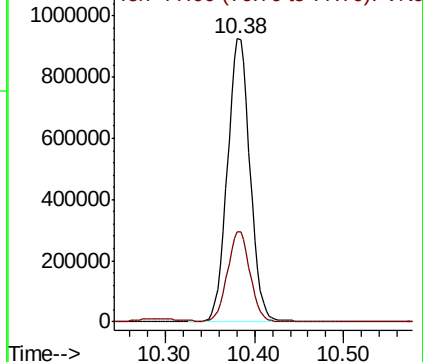
75 100

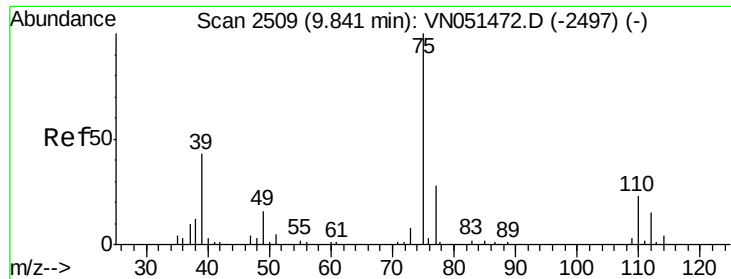
77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





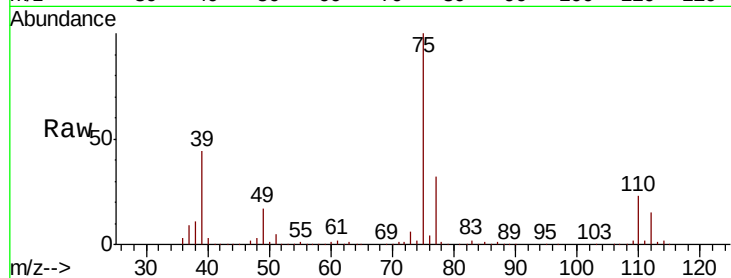
#49

cis-1,3-Dichloropropene
 Concen: 179.848 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

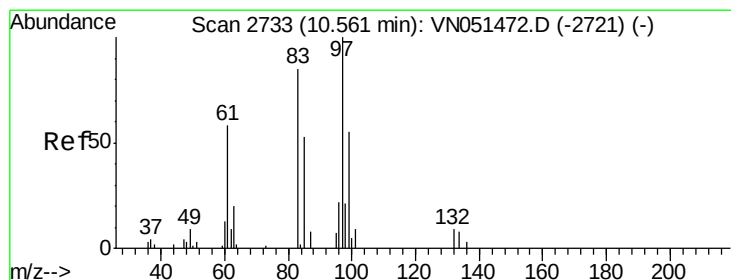
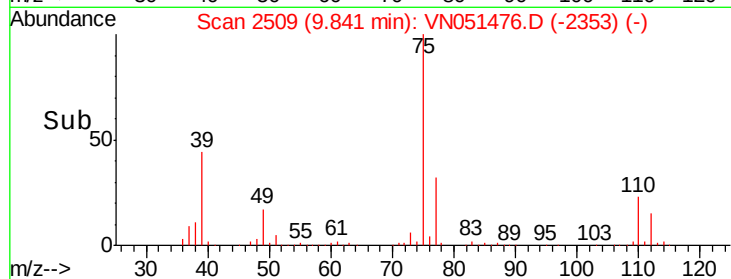
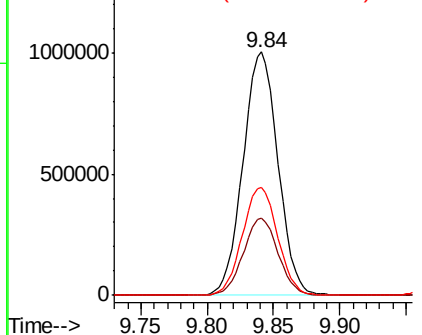
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1838229

Ion	Ratio	Lower	Upper
75	100		
77	31.9	23.2	34.8
39	44.4	34.6	52.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



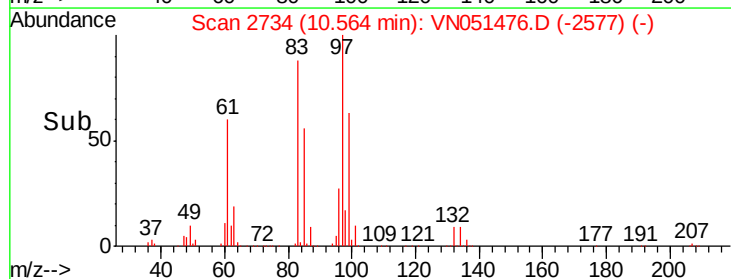
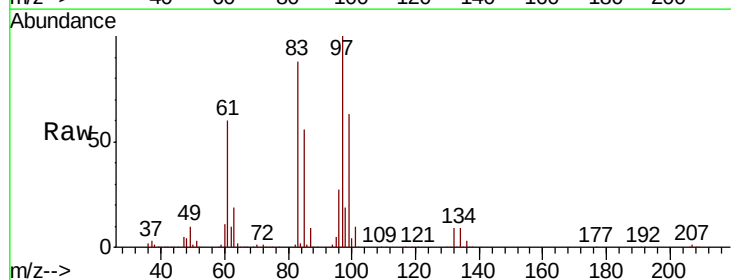
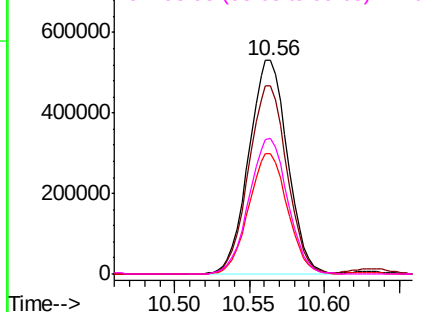
#50

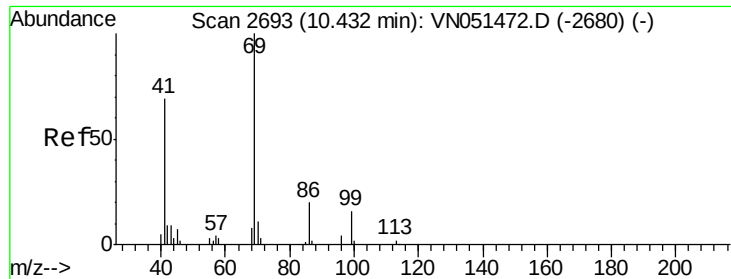
1,1,2-Trichloroethane
 Concen: 165.673 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 97 Resp: 958078

Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.4
85	56.2	42.5	63.7
99	63.5	44.3	66.5

Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 189.908 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

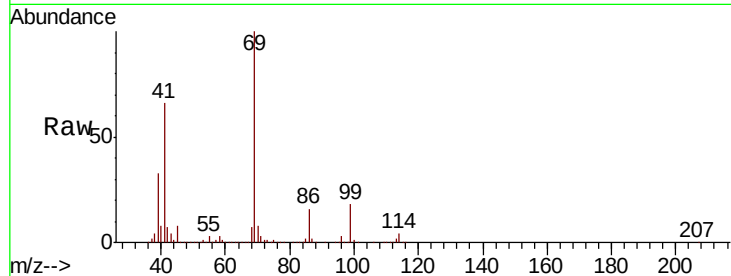
Tot Ion: 69 Resp: 1299755

Ion Ratio Lower Upper

69 100

41 66.2 34.4 103.1

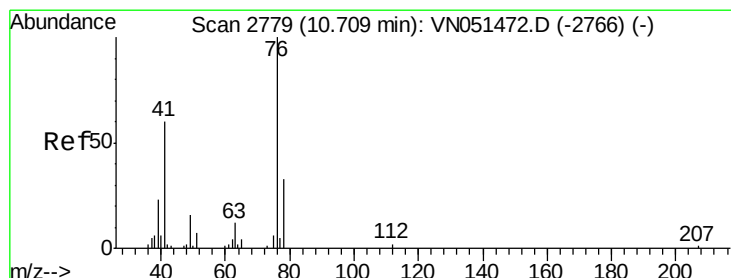
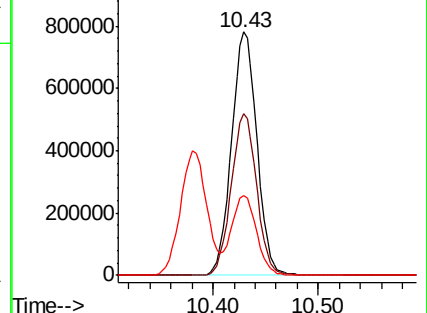
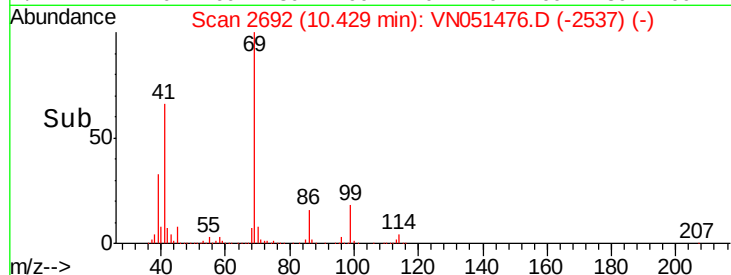
39 32.7 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 171.384 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051476.D

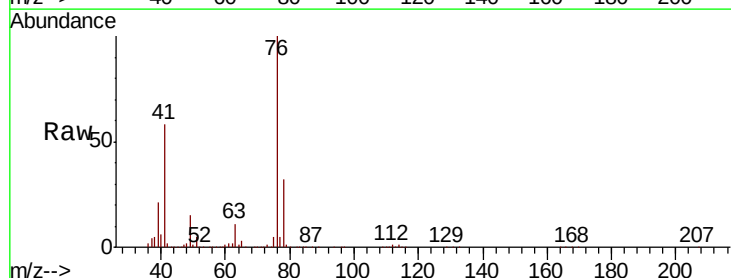
Acq: 25 Sep 2018 10:49

Tgt Ion: 76 Resp: 1672039

Ion Ratio Lower Upper

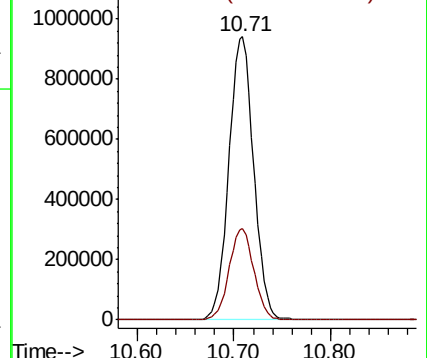
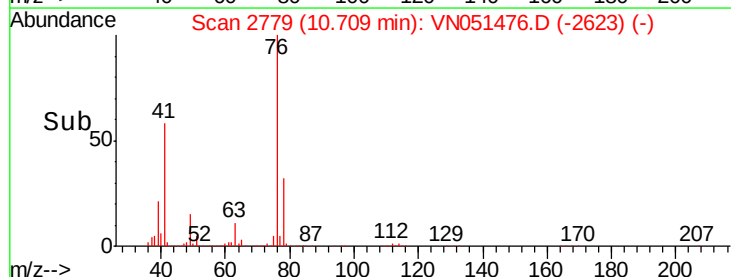
76 100

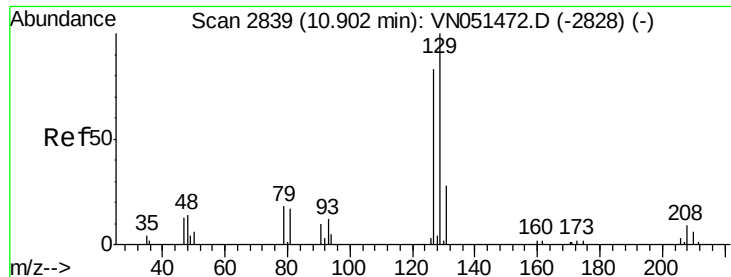
78 32.3 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

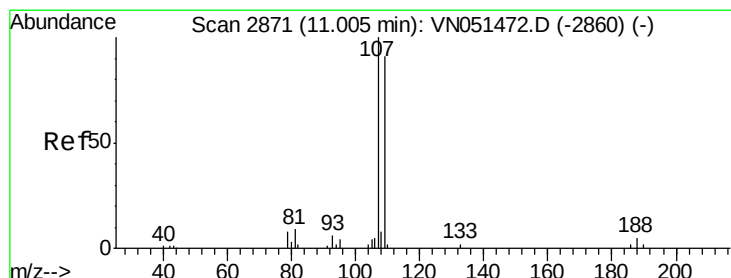
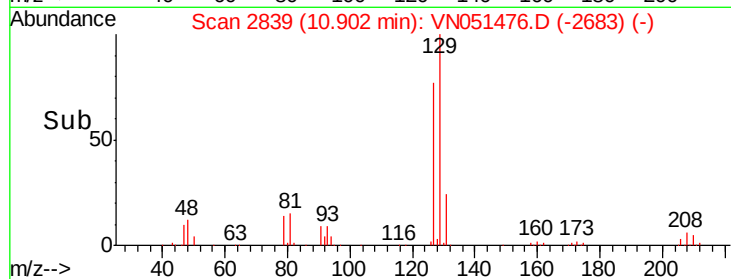
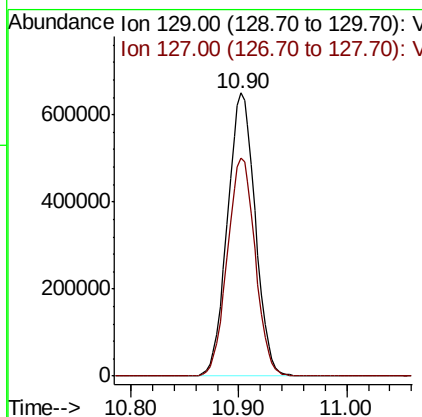
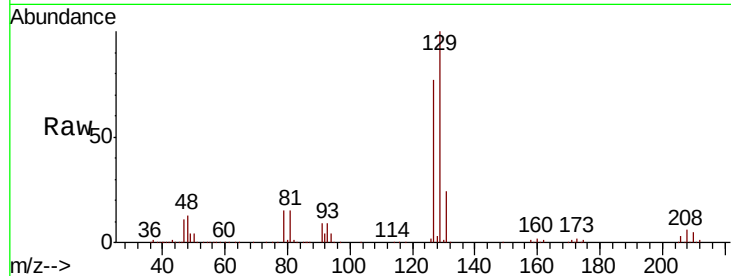




#53
 Dibromochloromethane
 Concen: 175.578 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

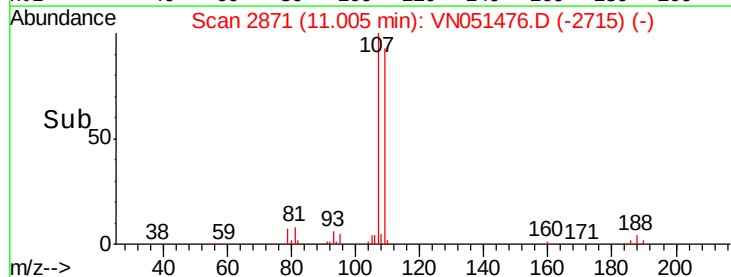
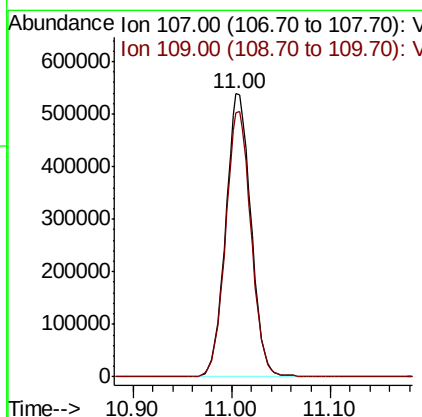
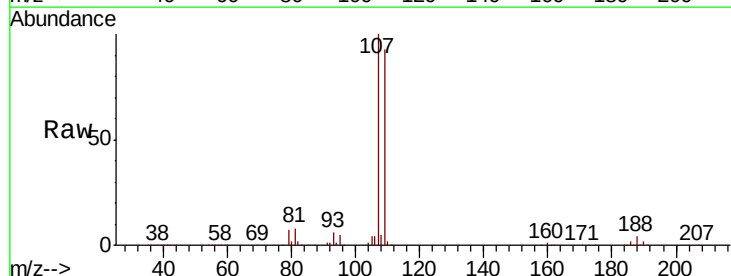
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

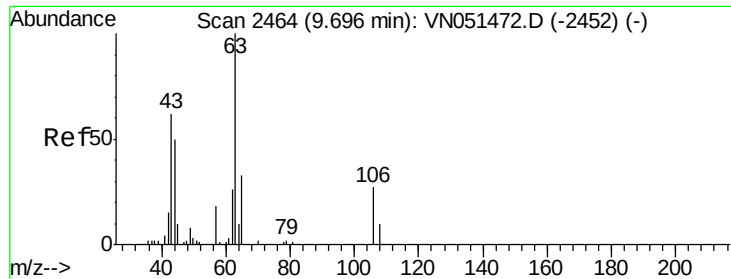
Tot Ion:129 Resp: 1167935
 Ion Ratio Lower Upper
 129 100
 127 77.4 40.2 120.5



#54
 1,2-Dibromoethane
 Concen: 173.387 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion:107 Resp: 967465
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.4 116.0

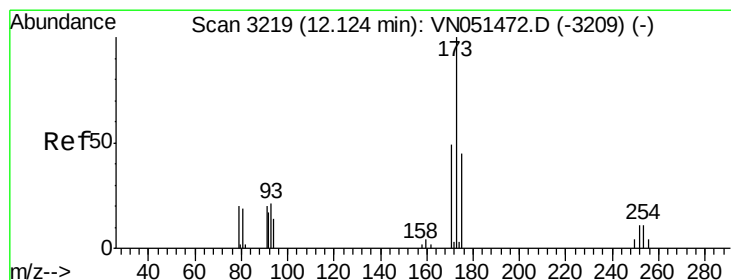
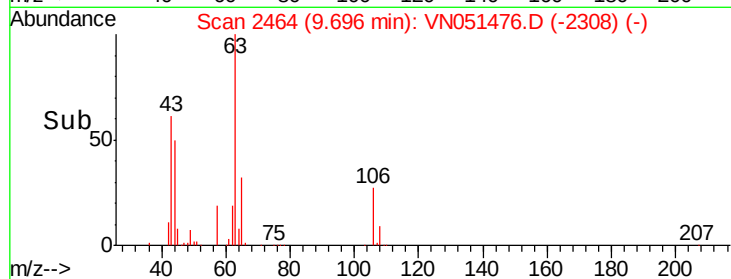
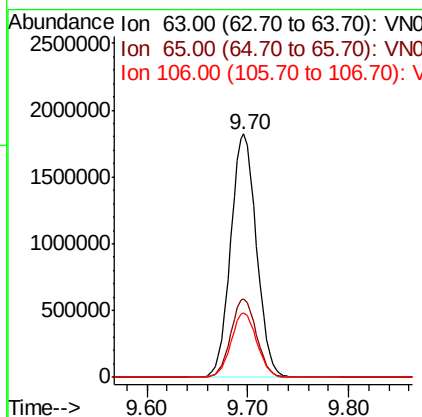
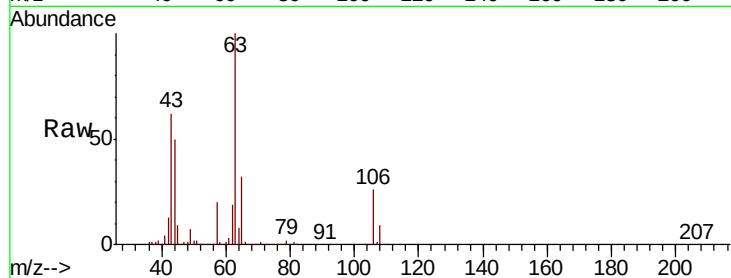




#55
 2-Chloroethyl vinyl ether
 Concen: 960.633 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

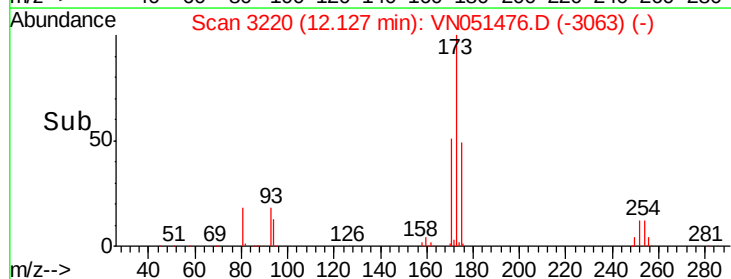
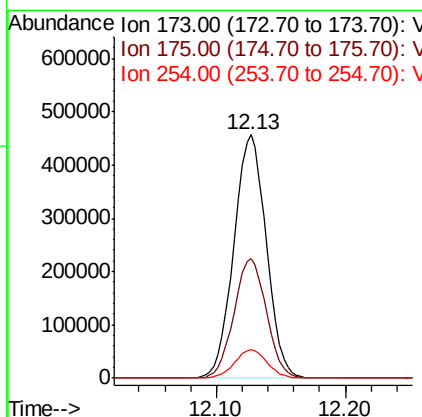
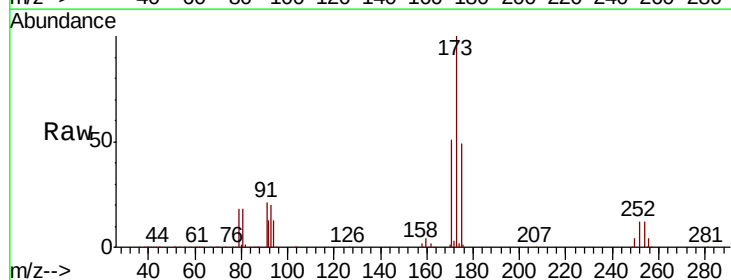
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

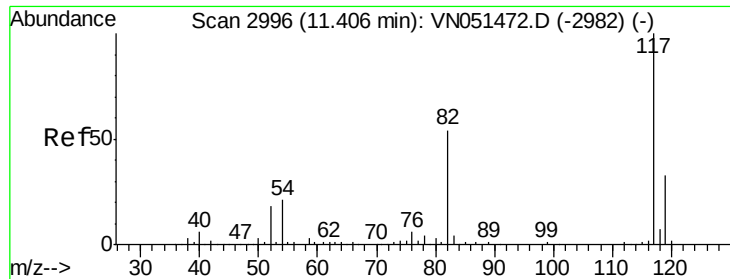
Tot Ion: 63 Resp: 3246548
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.0
 106 26.5 21.2 31.8



#56
 Bromoform
 Concen: 177.622 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion: 173 Resp: 796566
 Ion Ratio Lower Upper
 173 100
 175 49.1 35.8 53.8
 254 11.8 8.6 13.0

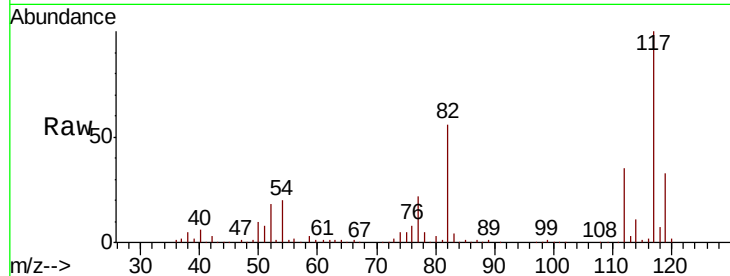




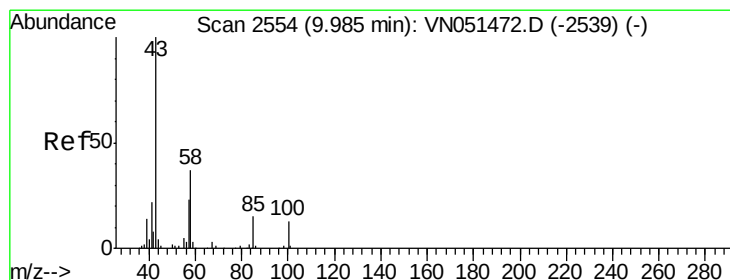
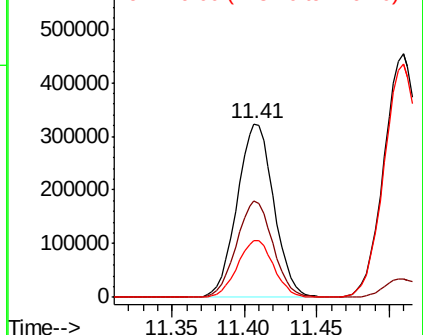
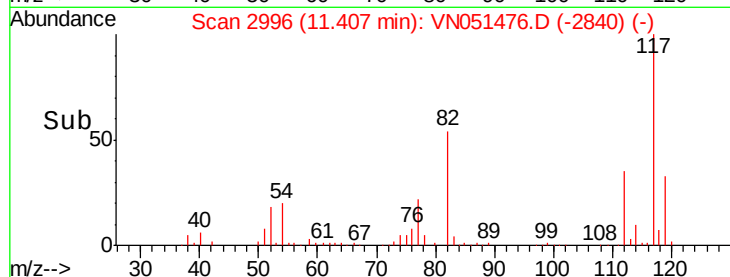
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:117 Resp: 567418
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 32.5 25.8 38.8

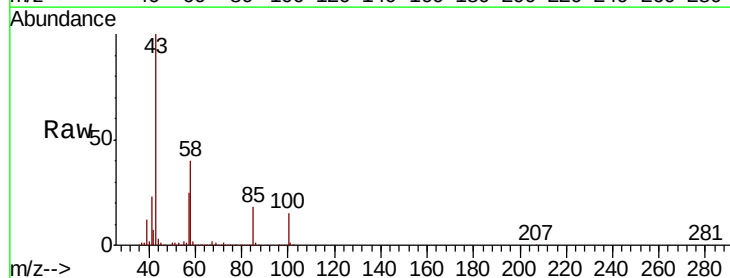


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

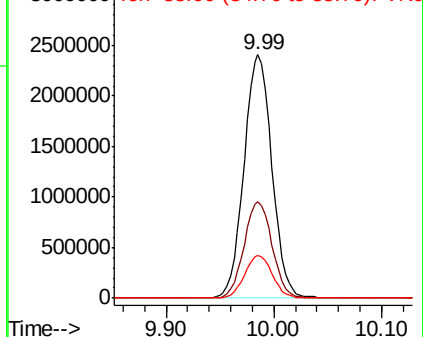
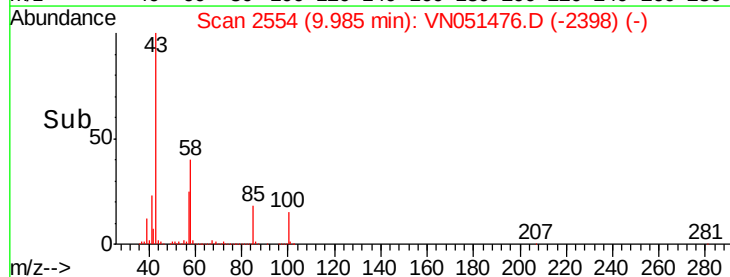


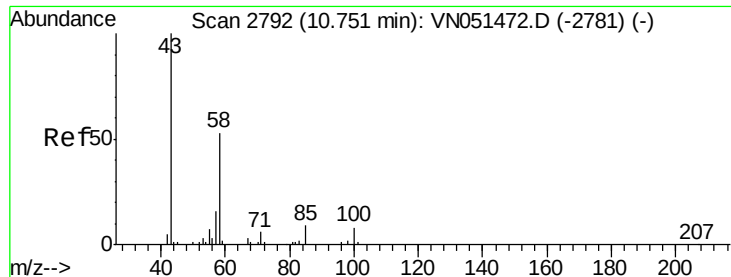
#58
4-Methyl-2-Pentanone
Concen: 868.088 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 43 Resp: 4328833
Ion Ratio Lower Upper
43 100
58 39.8 29.3 43.9
85 17.6 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

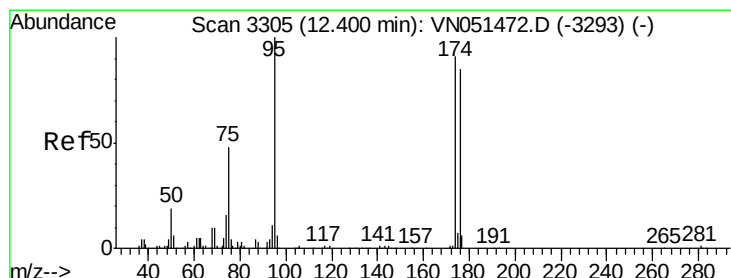
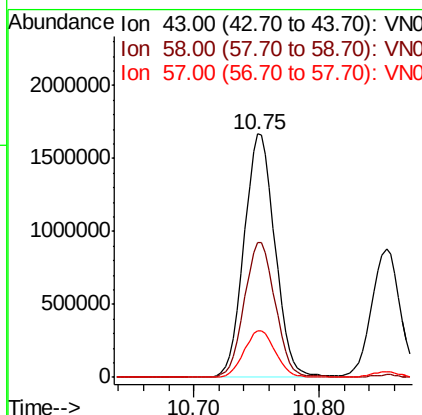
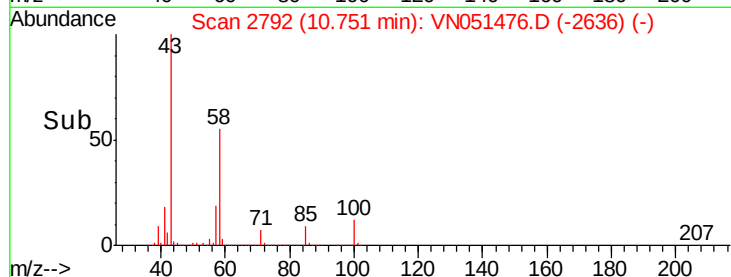
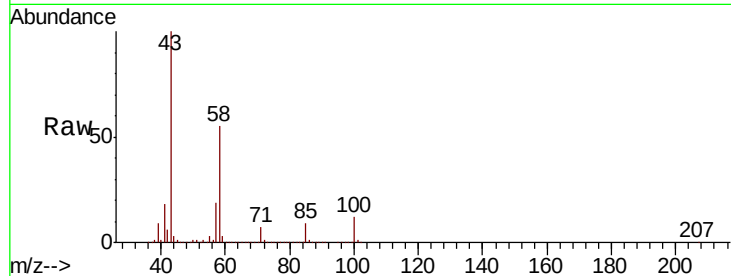




#59
2-Hexanone
Concen: 873.625 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

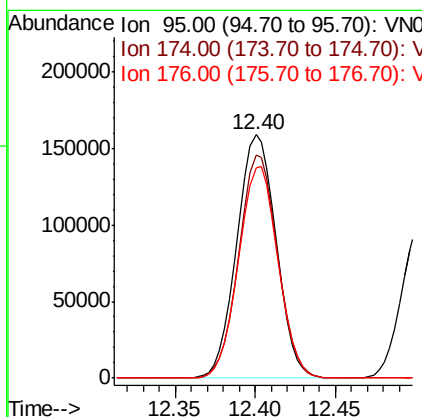
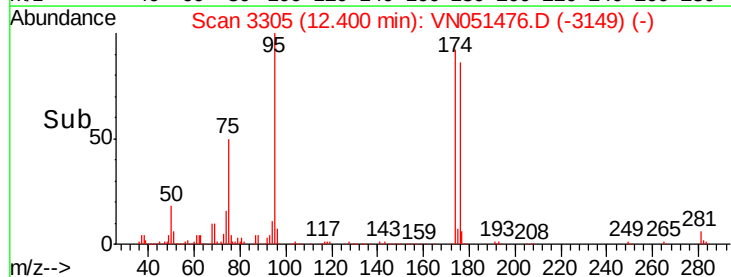
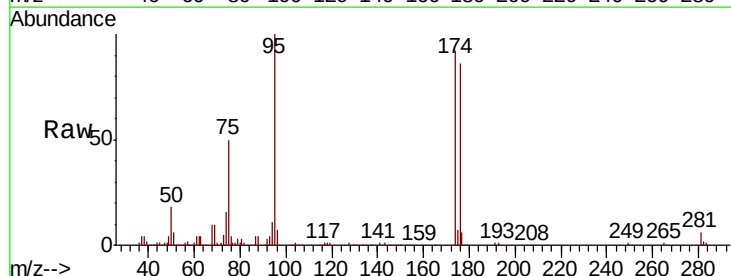
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

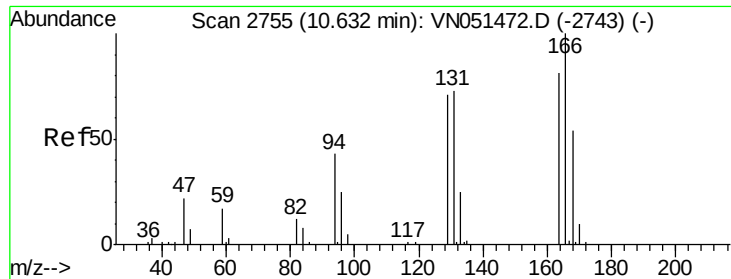
Tot Ion: 43 Resp: 2867236
Ion Ratio Lower Upper
43 100
58 55.6 41.3 61.9
57 19.6 13.4 20.0



#60
4-Bromofluorobenzene
Concen: 31.968 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion: 95 Resp: 266309
Ion Ratio Lower Upper
95 100
174 90.4 73.5 110.3
176 87.0 70.2 105.2





#61

Tetrachloroethene

Concen: 164.530 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1086131

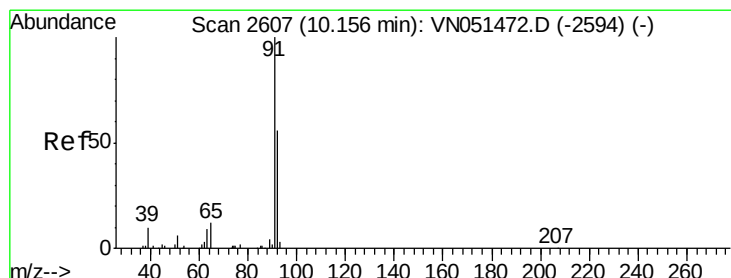
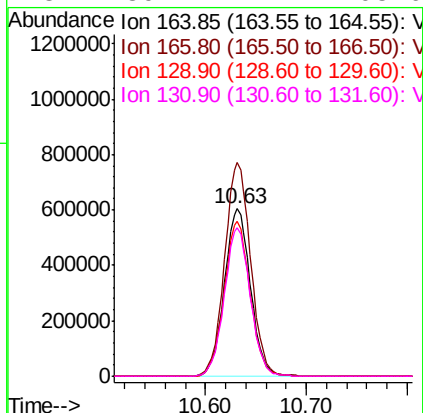
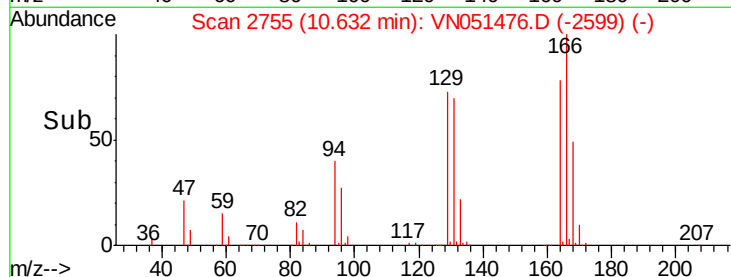
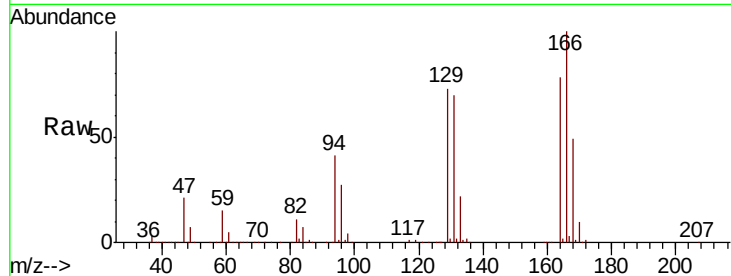
Ion Ratio Lower Upper

164 100

166 127.7 98.7 148.1

129 92.9 69.6 104.4

131 89.2 72.4 108.6



#62

Toluene

Concen: 168.034 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051476.D

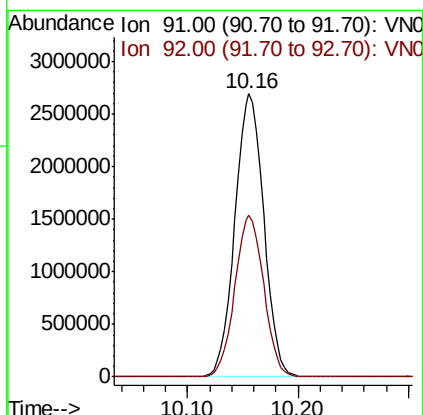
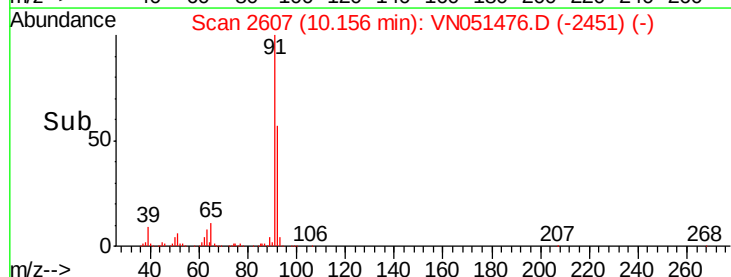
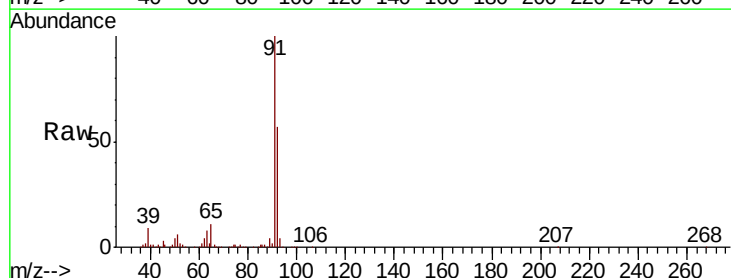
Acq: 25 Sep 2018 10:49

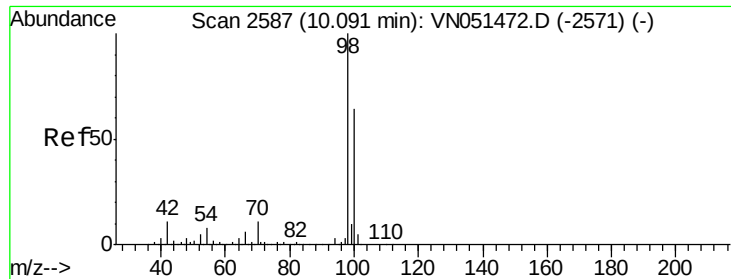
Tgt Ion: 91 Resp: 4881034

Ion Ratio Lower Upper

91 100

92 57.1 44.6 66.8





#63

Toluene-d8

Concen: 29.105 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

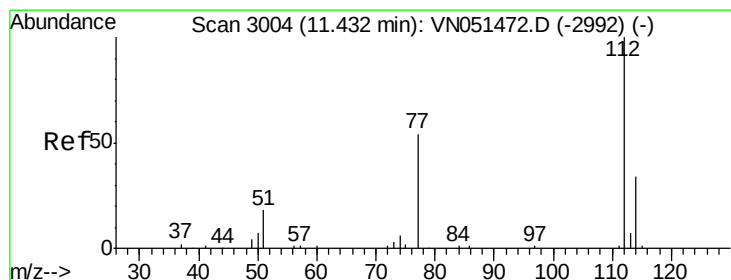
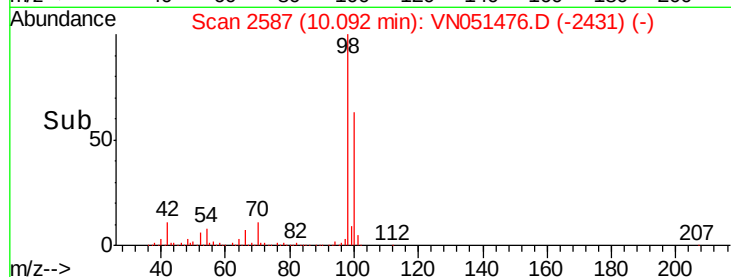
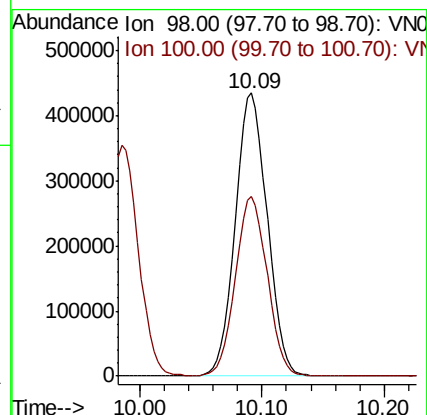
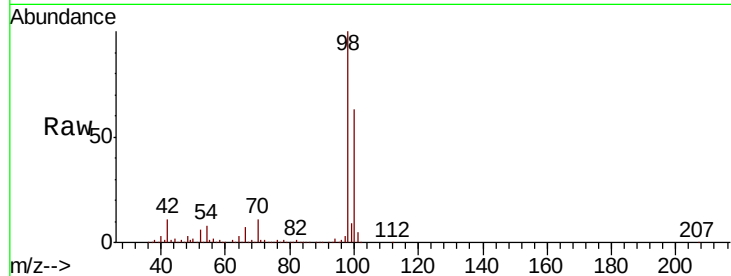
VSTDIC150

Tot Ion: 98 Resp: 791833

Ion Ratio Lower Upper

98 100

100 62.8 50.8 76.2



#64

Chlorobenzene

Concen: 171.656 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051476.D

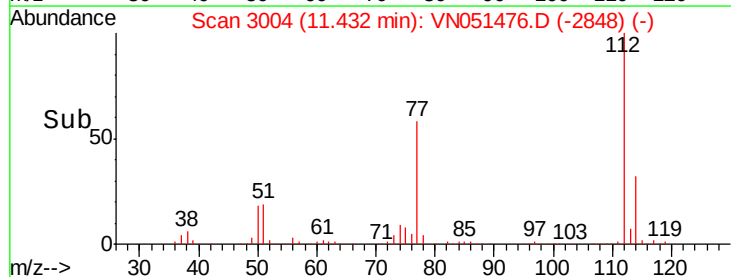
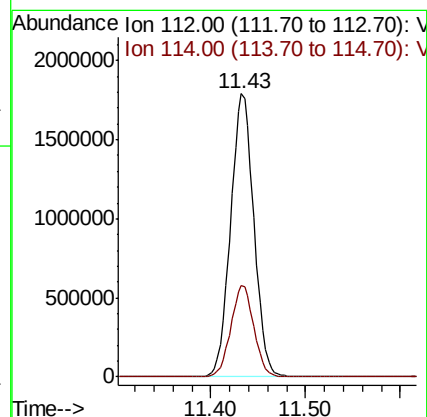
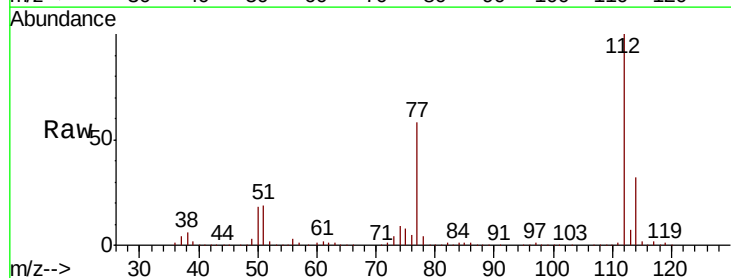
Acq: 25 Sep 2018 10:49

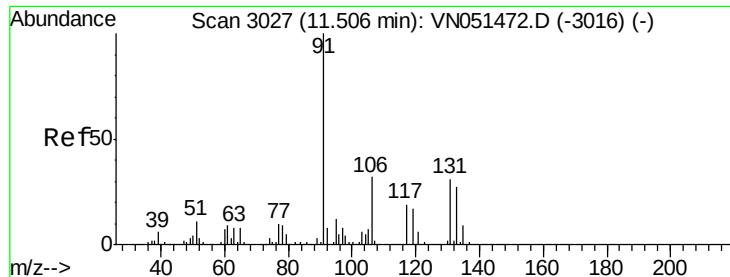
Tgt Ion: 112 Resp: 3057100

Ion Ratio Lower Upper

112 100

114 32.4 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 168.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

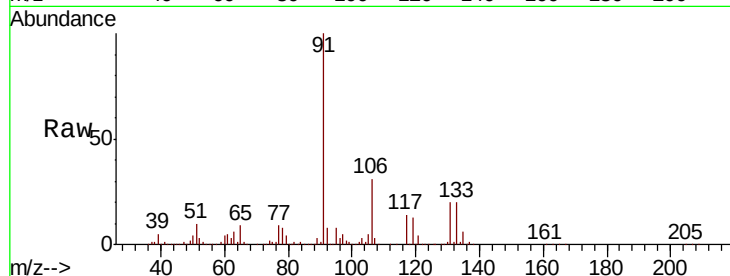
Tot Ion:131 Resp: 1158551

Ion Ratio Lower Upper

131 100

133 95.2 0.0 190.4

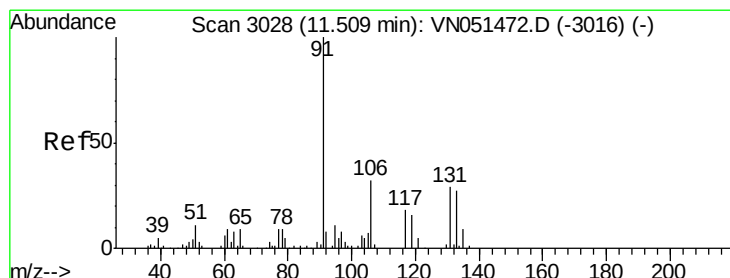
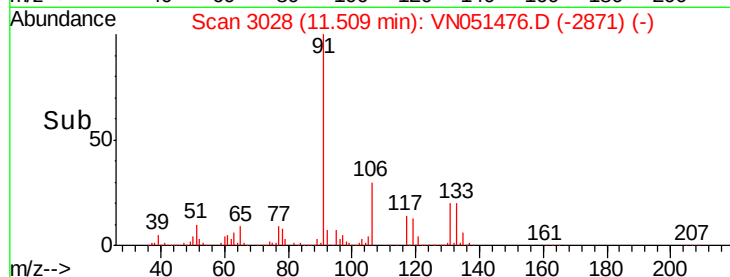
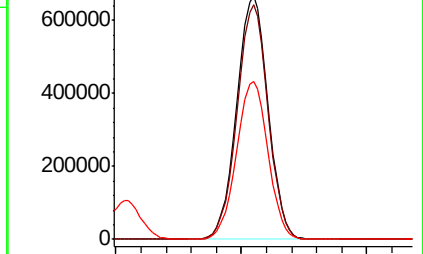
119 65.3 0.0 128.0



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: 181.004 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051476.D

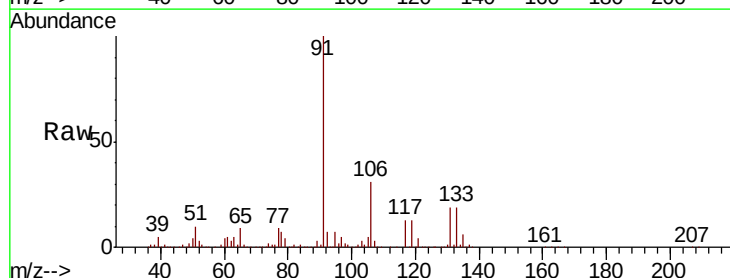
Acq: 25 Sep 2018 10:49

Tgt Ion: 91 Resp: 5424150

Ion Ratio Lower Upper

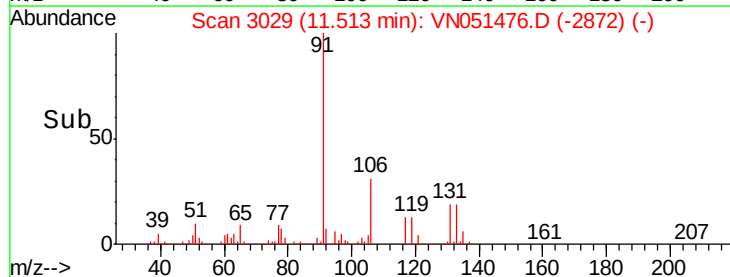
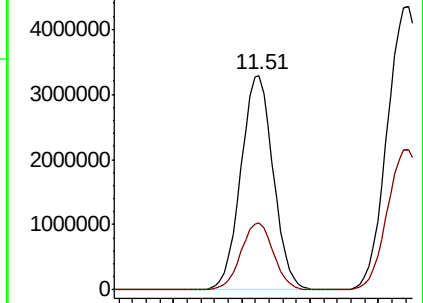
91 100

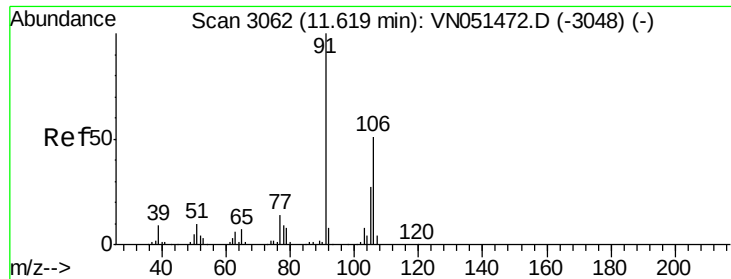
106 31.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

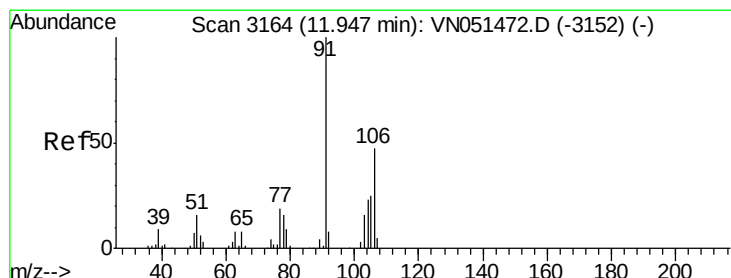
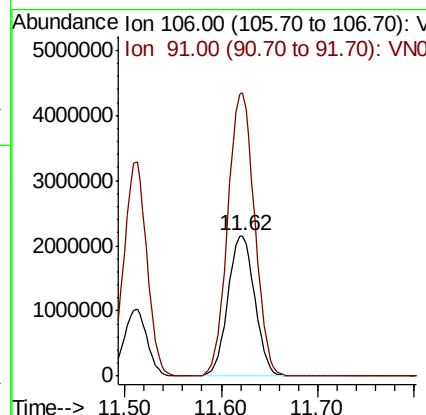
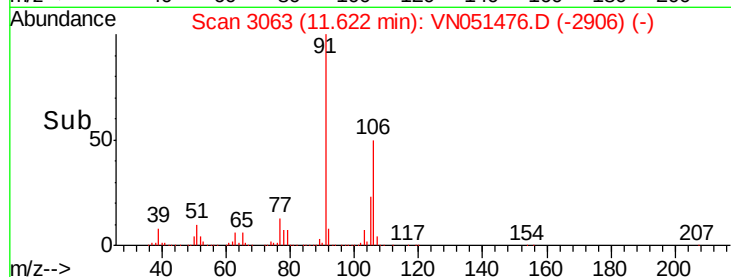
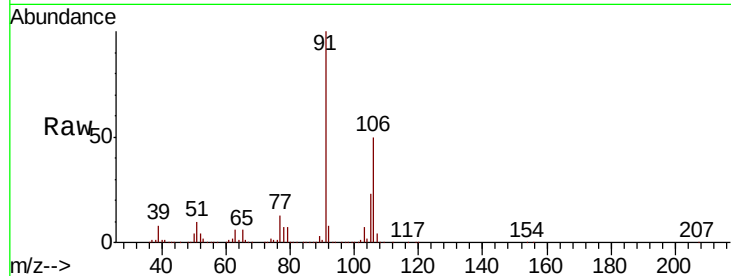




#67
m/p-Xylenes
Concen: 359.881 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

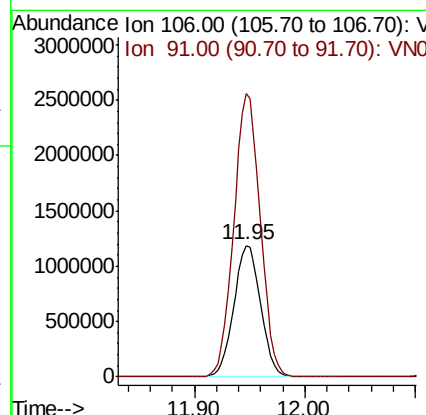
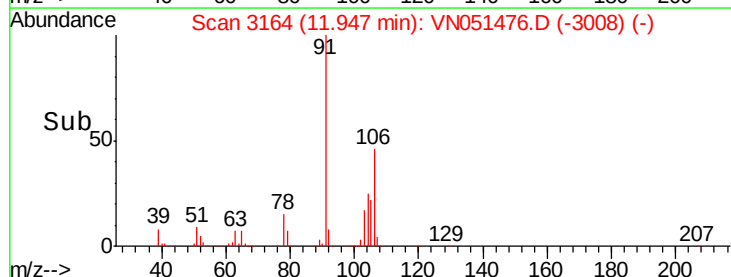
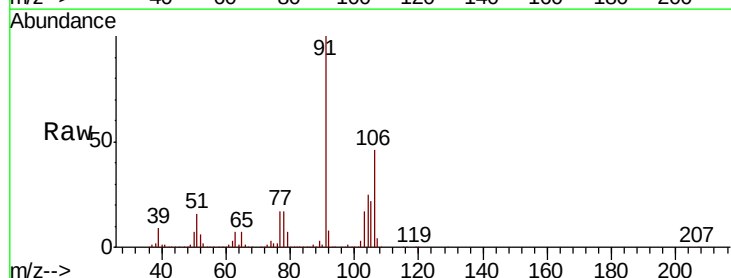
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

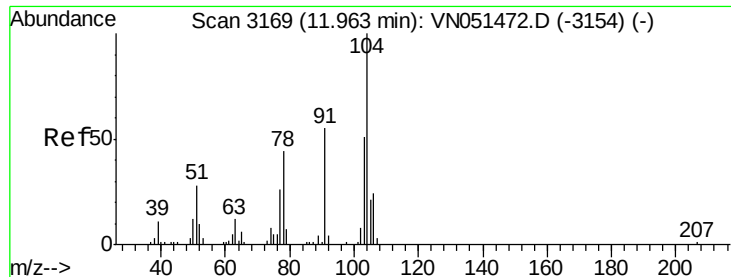
Tot Ion:106 Resp: 4151772
Ion Ratio Lower Upper
106 100
91 201.6 158.8 238.2



#68
o-Xylene
Concen: 181.201 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion:106 Resp: 1990991
Ion Ratio Lower Upper
106 100
91 213.4 111.1 333.3

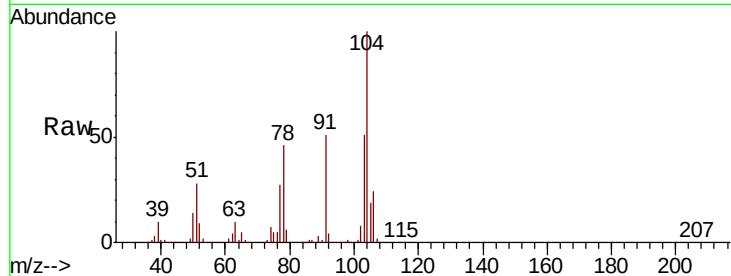




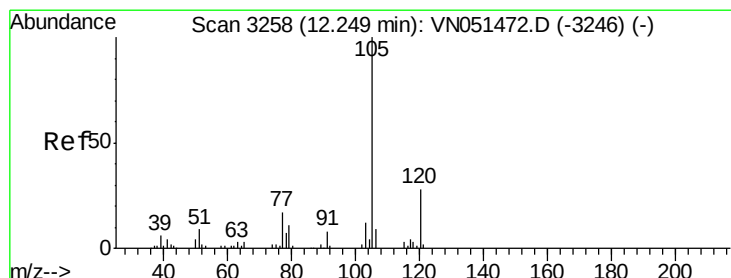
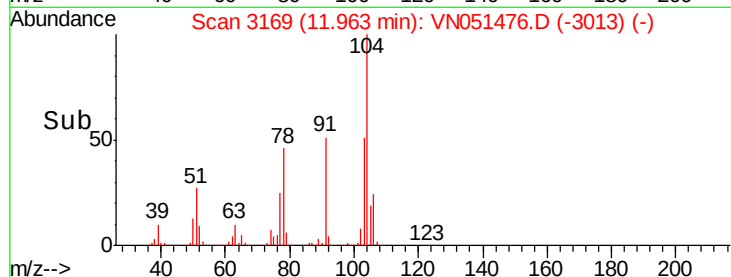
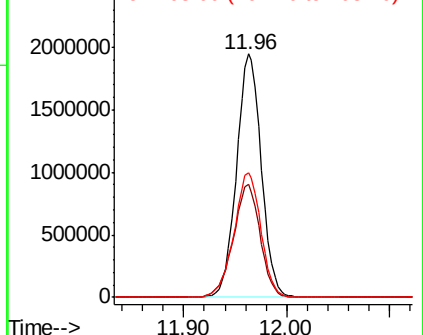
#69
Stvrene
Concen: 186.896 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:104 Resp: 3243914
Ion Ratio Lower Upper
104 100
78 50.5 40.6 60.8
103 55.7 44.0 66.0

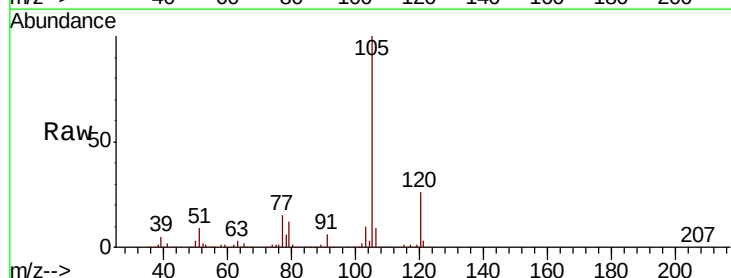


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

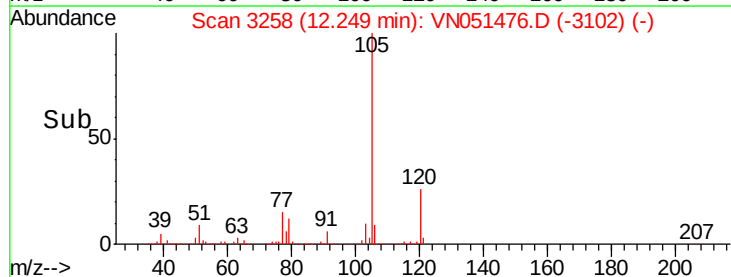
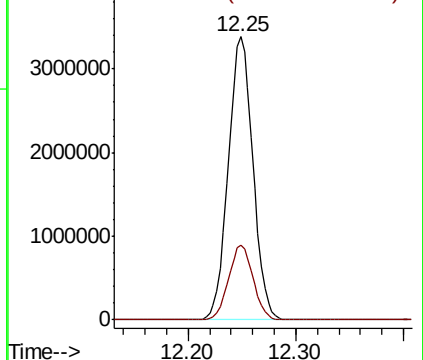


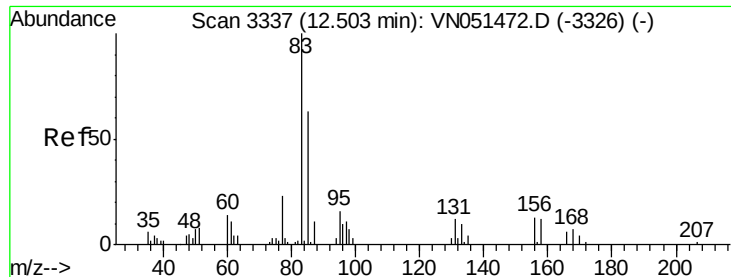
#70
Isopropylbenzene
Concen: 182.832 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion:105 Resp: 5376373
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: 165.352 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

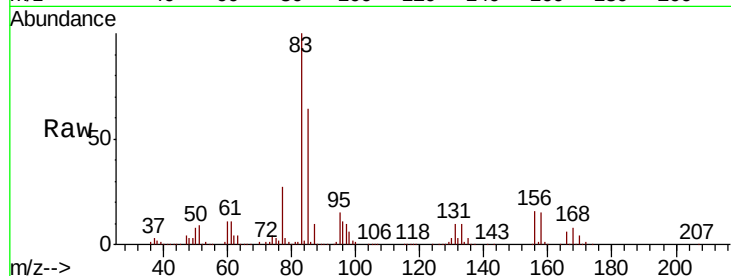
Tot Ion: 83 Resp: 1144591

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	64.1	30.6	91.8

83 100

131 10.6 5.5 16.4

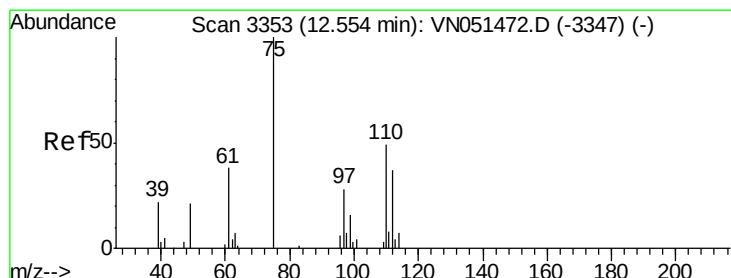
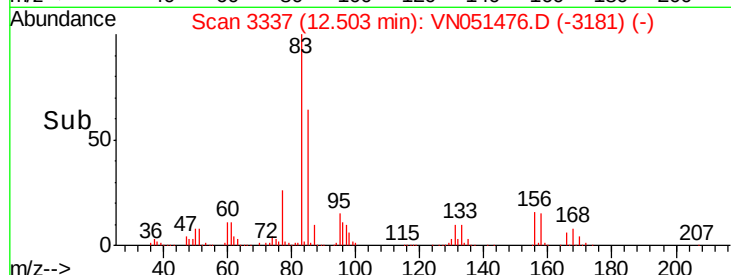
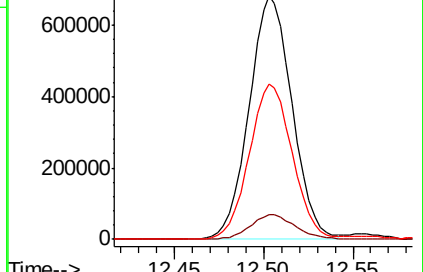
85 64.1 30.6 91.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 277.495 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051476.D

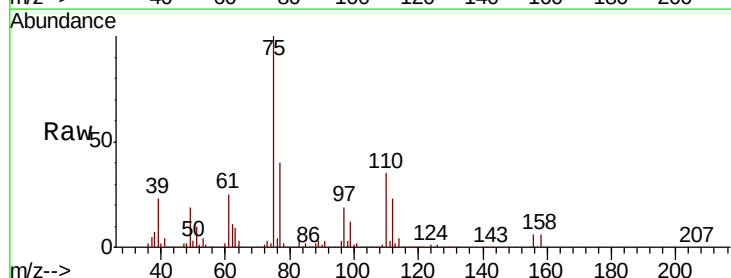
Acq: 25 Sep 2018 10:49

Tgt Ion: 75 Resp: 1514761

Ion	Ratio	Lower	Upper
75	100		
77	159.0	0.0	400.0

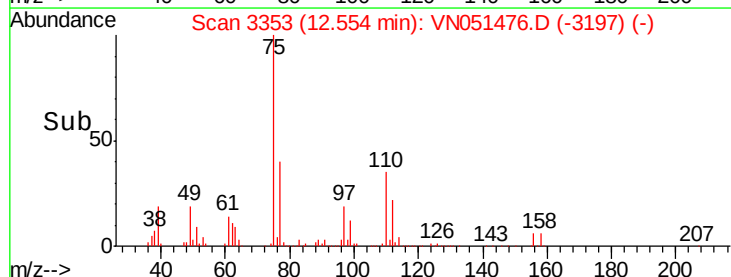
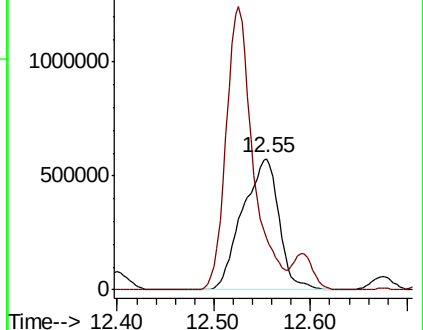
75 100

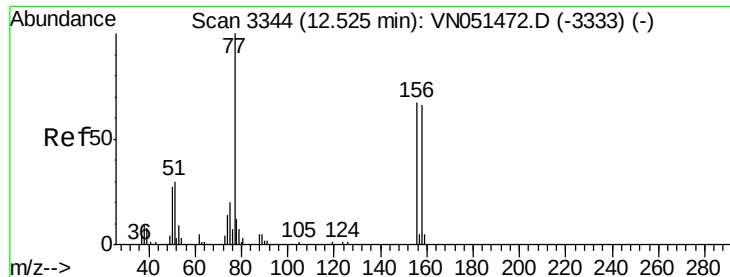
77 159.0 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 177.666 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

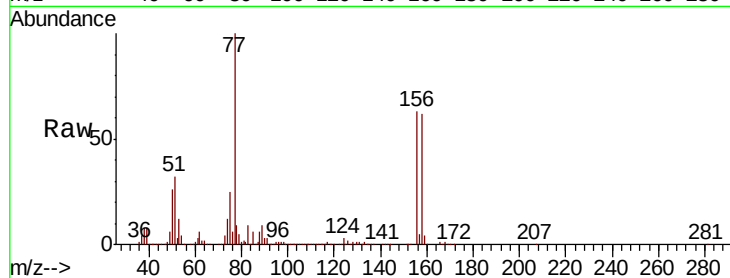
Tot Ion:156 Resp: 1316673

Ion Ratio Lower Upper

156 100

77 182.9 0.0 377.4

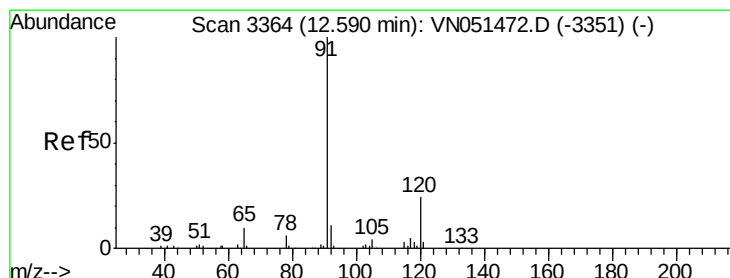
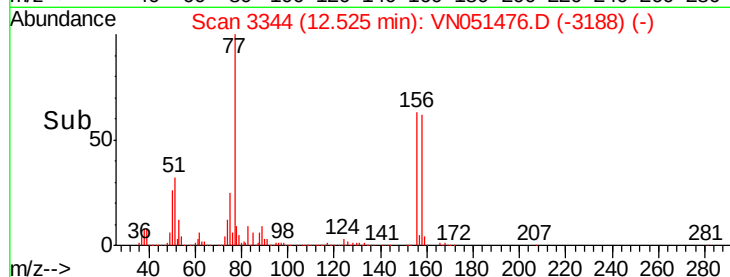
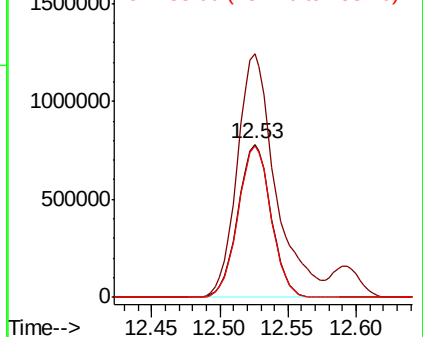
158 98.5 0.0 203.0



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: 190.214 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051476.D

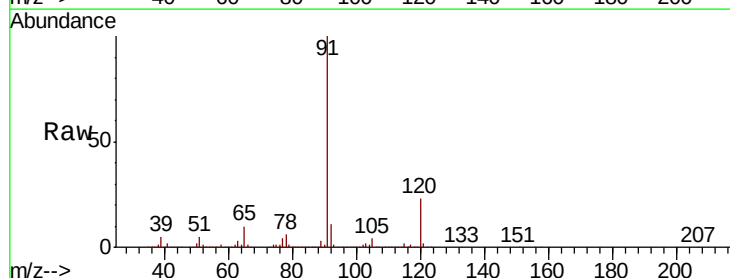
Acq: 25 Sep 2018 10:49

Tgt Ion: 91 Resp: 6502745

Ion Ratio Lower Upper

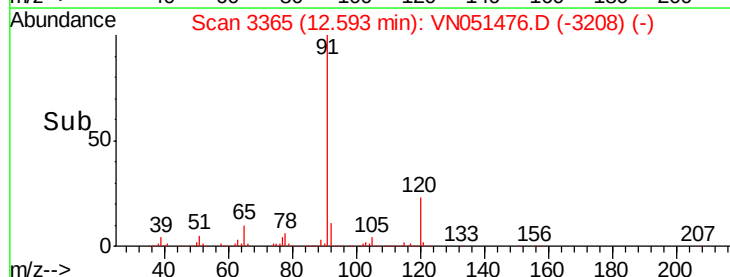
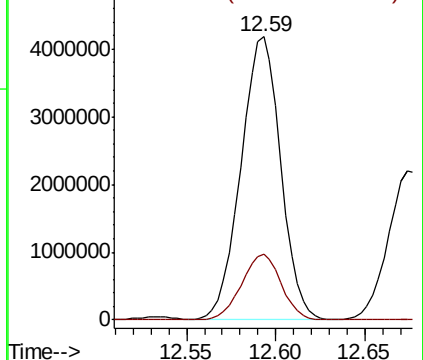
91 100

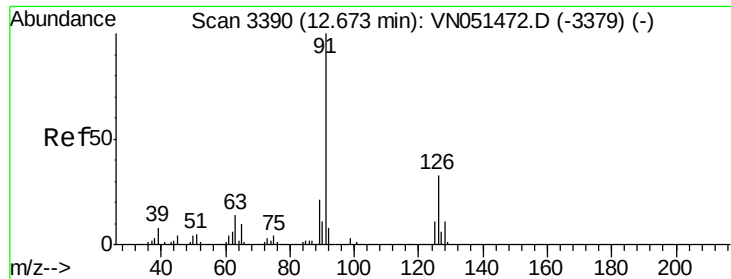
120 23.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 178.826 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

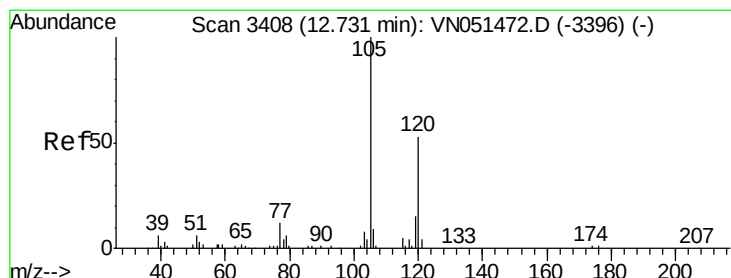
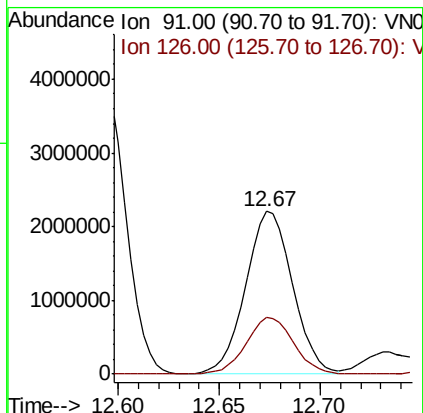
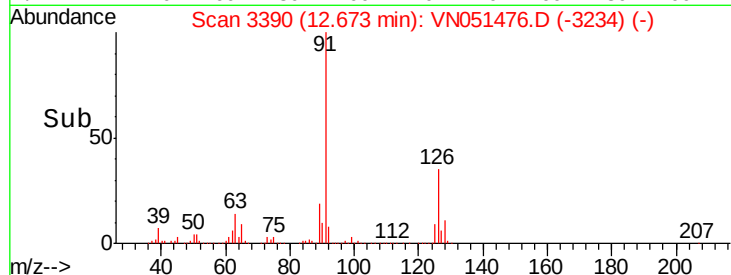
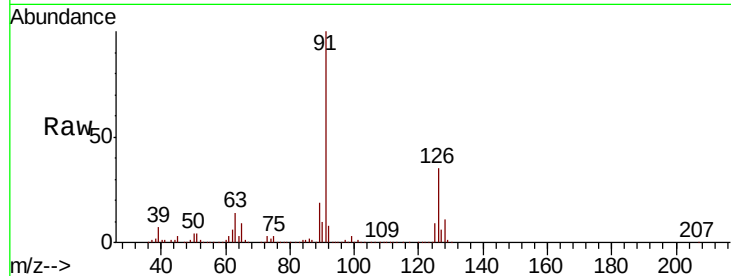
VSTDIC150

Tot Ion: 91 Resp: 3607798

Ion Ratio Lower Upper

91 100

126 34.9 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 184.292 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051476.D

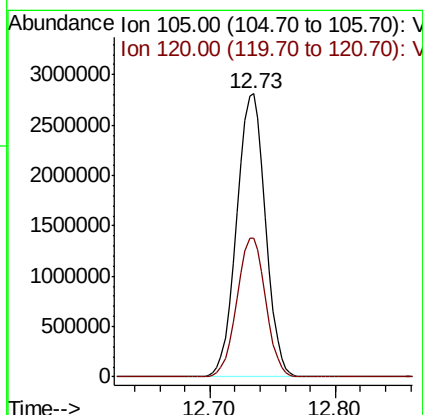
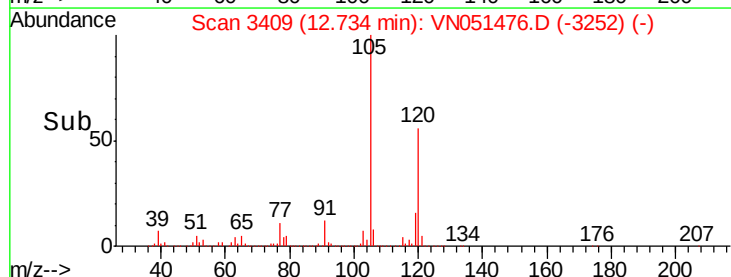
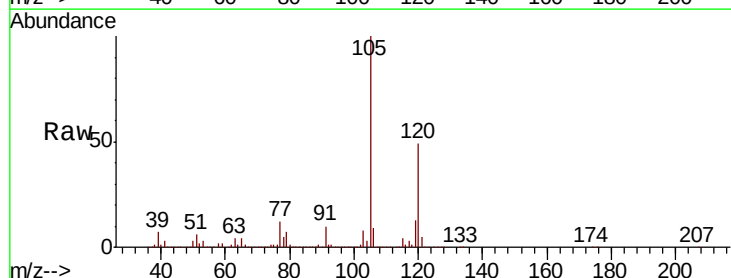
Acq: 25 Sep 2018 10:49

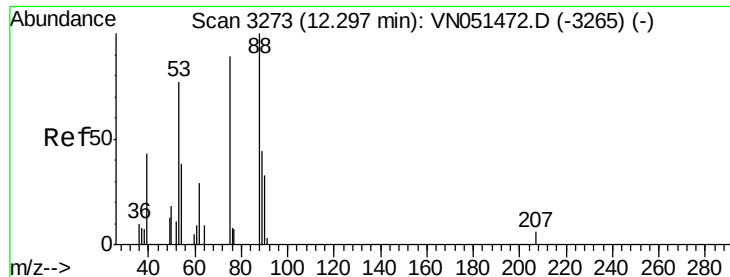
Tgt Ion:105 Resp: 4471683

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 200.019 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

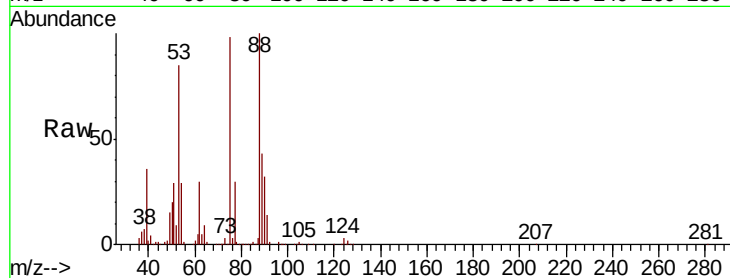
Tot Ion: 75 Resp: 376539

Ion Ratio Lower Upper

75 100

53 86.4 46.3 138.9

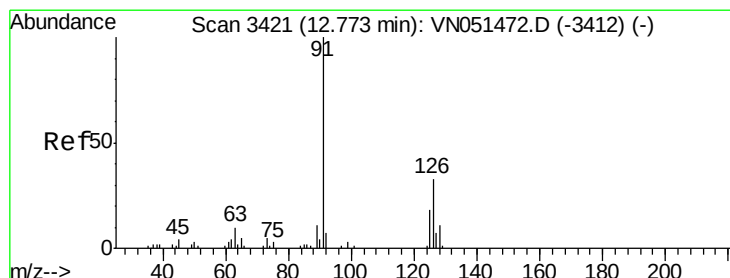
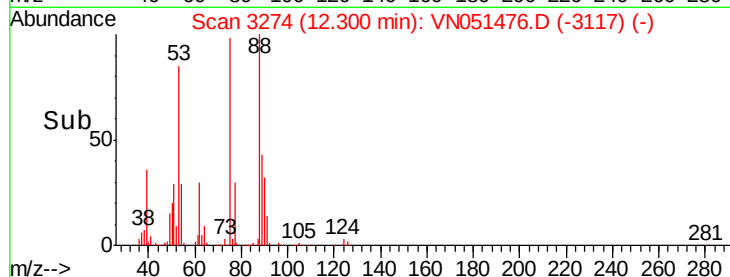
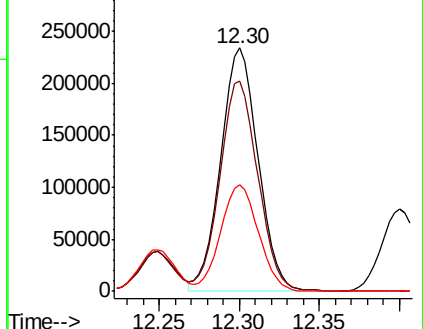
89 44.0 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 184.827 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051476.D

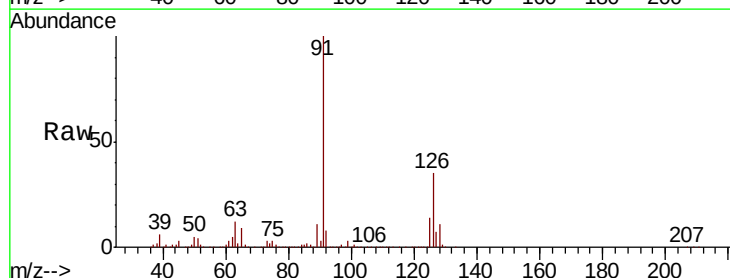
Acq: 25 Sep 2018 10:49

Tgt Ion: 91 Resp: 3698450

Ion Ratio Lower Upper

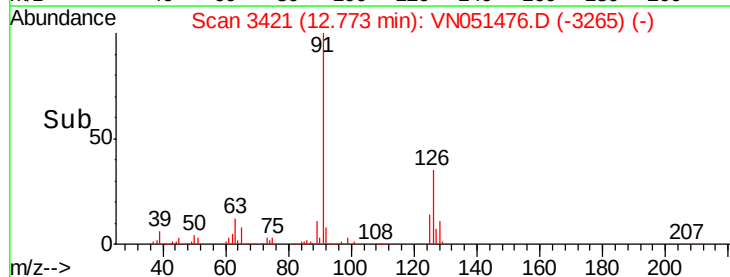
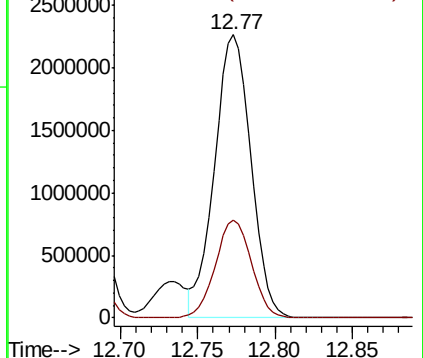
91 100

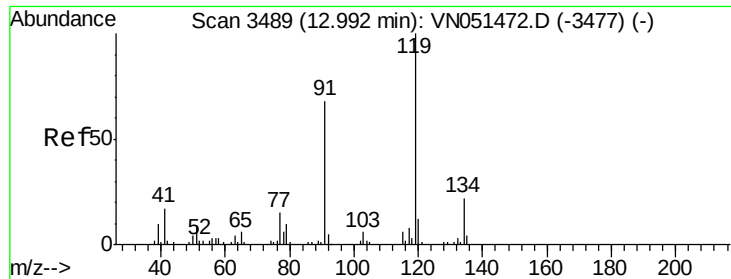
126 34.3 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

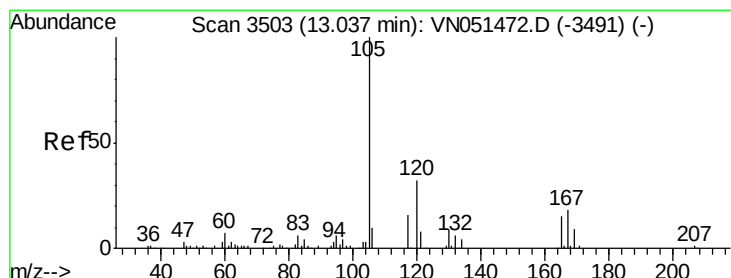
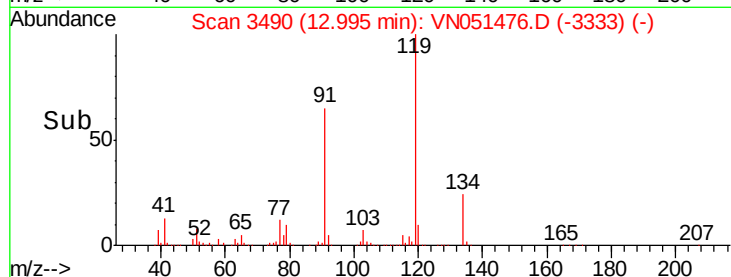
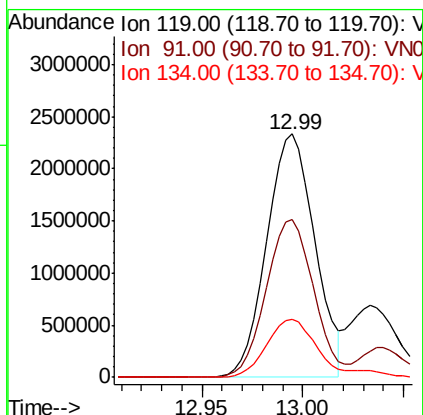
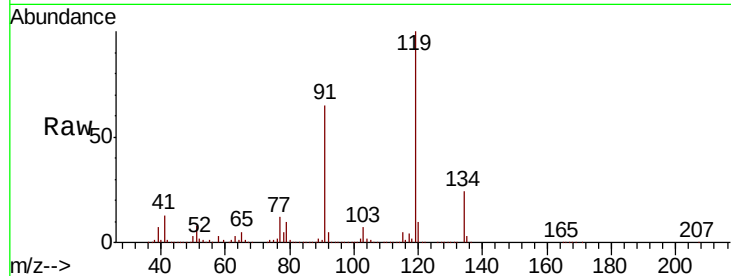




#79
 tert-butylbenzene
 Concen: 182.955 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

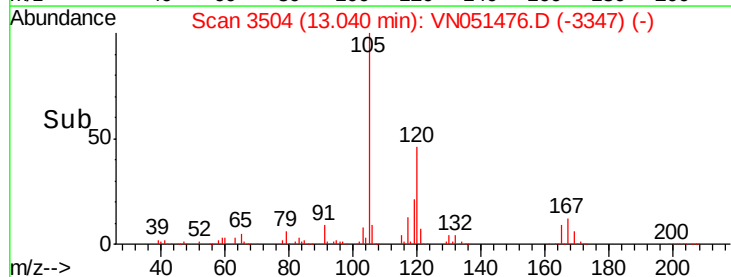
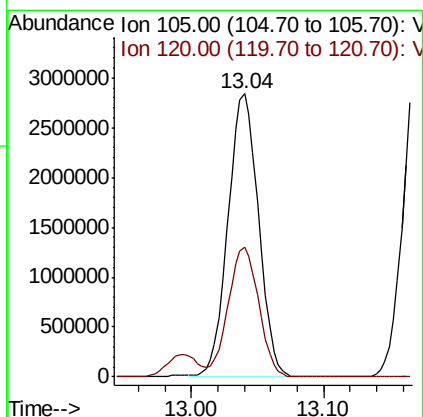
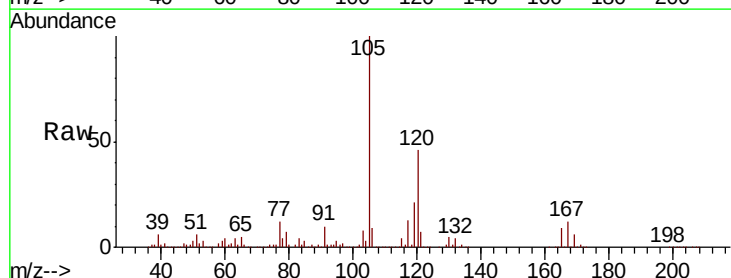
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

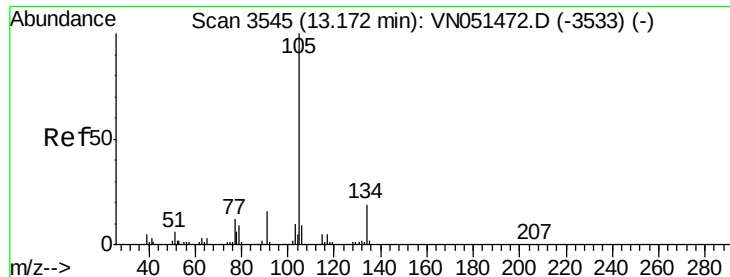
Tot Ion:119 Resp: 3865096
 Ion Ratio Lower Upper
 119 100
 91 63.8 0.0 131.6
 134 24.4 0.0 46.2



#80
 1,2,4-Trimethylbenzene
 Concen: 186.156 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion:105 Resp: 4540828
 Ion Ratio Lower Upper
 105 100
 120 45.9 0.0 89.6





#81

sec-Butylbenzene

Concen: 185.446 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

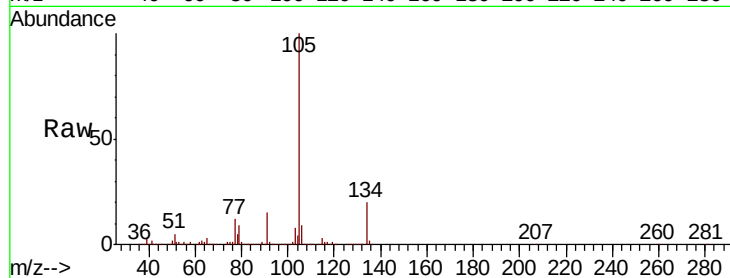
VSTDIC150

Tot Ion:105 Resp: 5389271

Ion Ratio Lower Upper

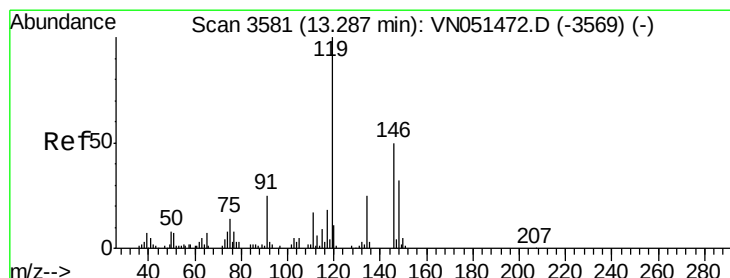
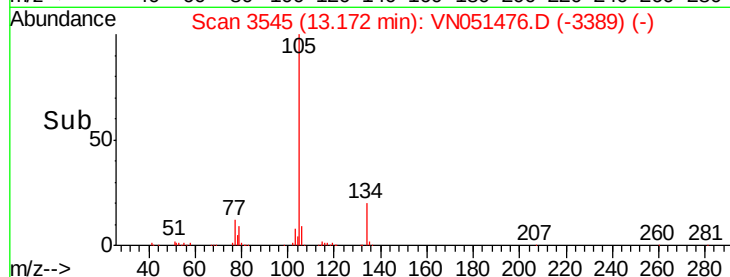
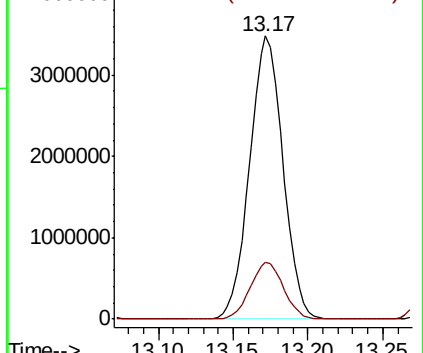
105 100

134 20.2 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 192.060 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

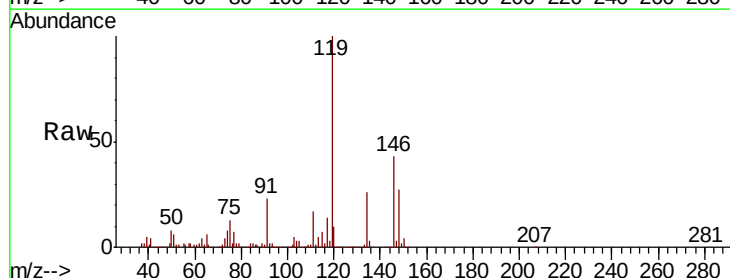
Tgt Ion:119 Resp: 4818251

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.6

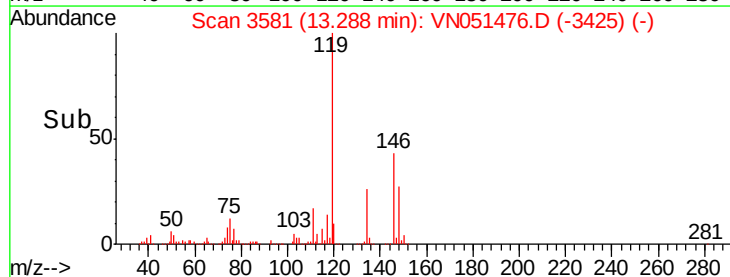
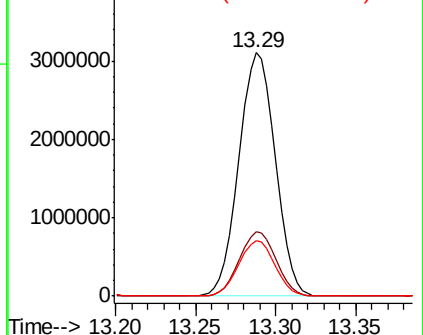
91 22.6 0.0 52.0

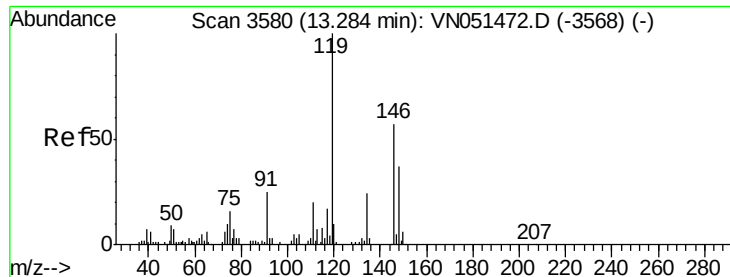


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 184.092 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

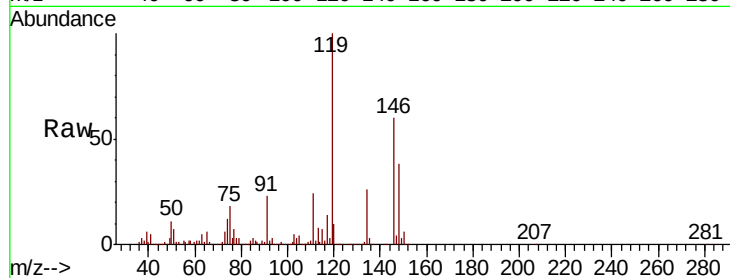
Tot Ion:146 Resp: 2392993

Ion Ratio Lower Upper

146 100

111 39.3 18.1 54.3

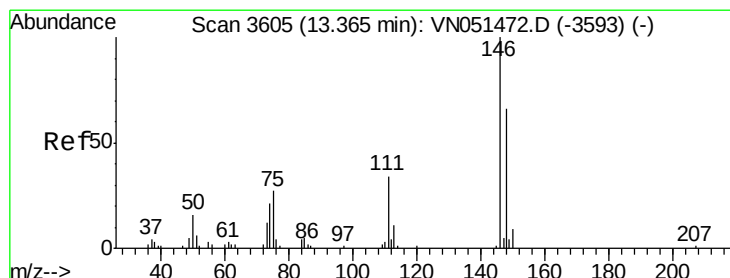
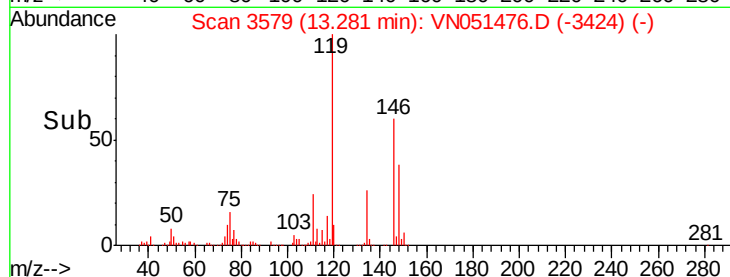
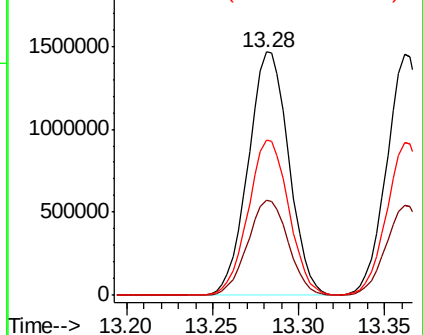
148 63.8 31.3 93.8



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: 190.618 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

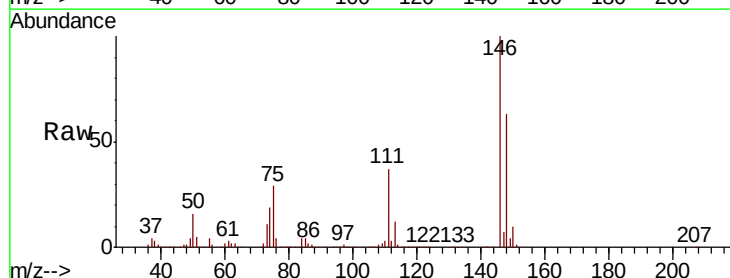
Tgt Ion:146 Resp: 2327163

Ion Ratio Lower Upper

146 100

111 37.4 17.4 52.2

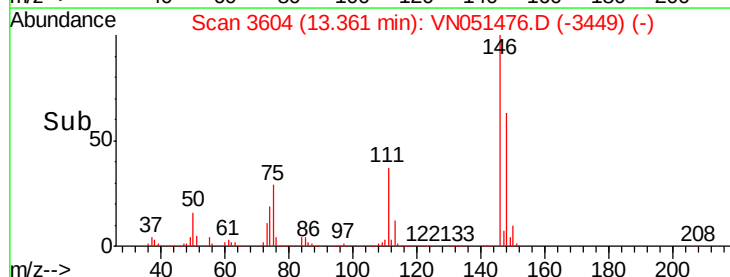
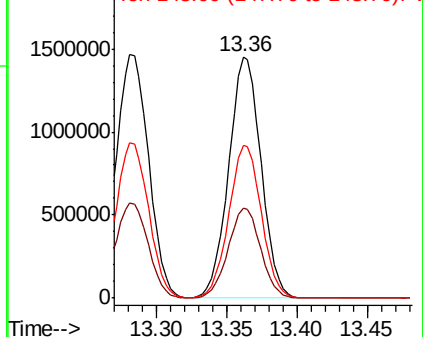
148 63.8 32.8 98.3

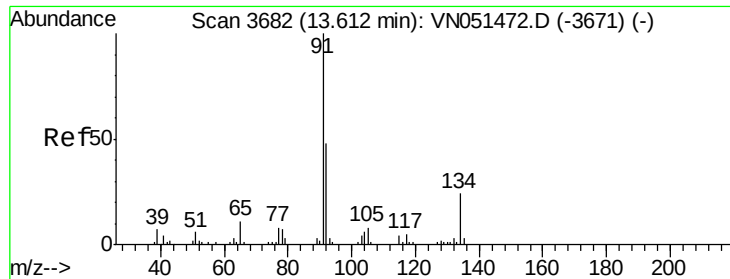


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 203.196 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

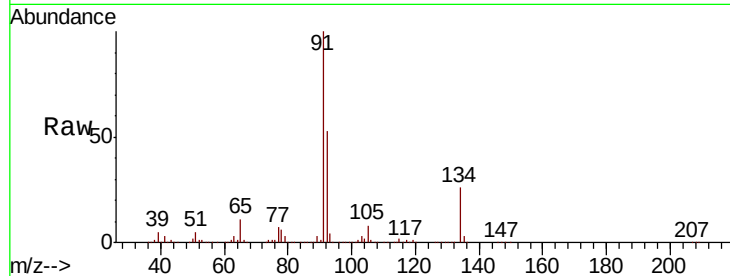
Tot Ion: 91 Resp: 4185367

Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	97.4
134	26.6	0.0	49.6

91 100

92 52.7 0.0 97.4

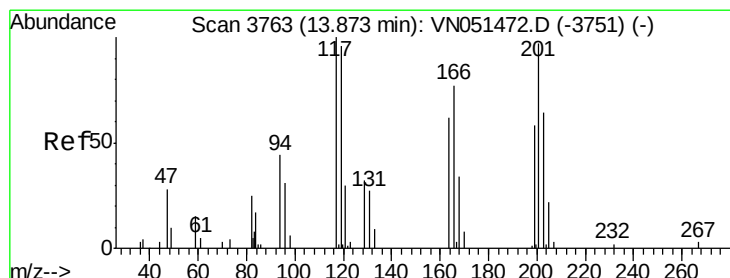
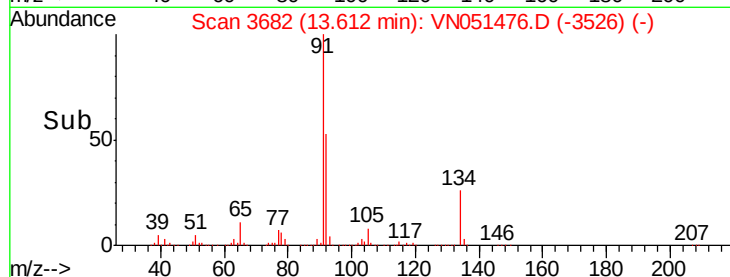
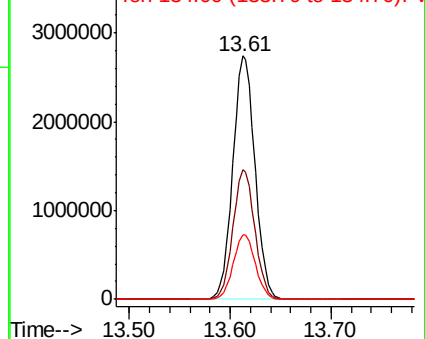
134 26.6 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): VN051476.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN051476.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN051476.D (-3671) (-)



#86

Hexachloroethane

Concen: 175.243 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051476.D

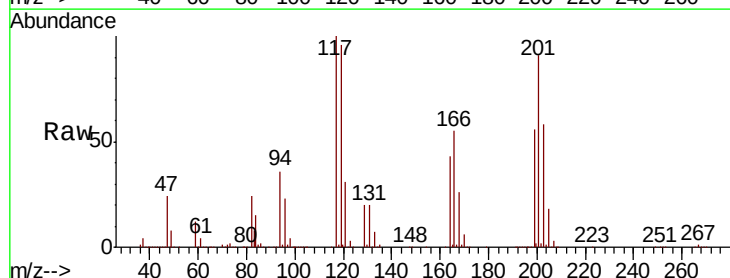
Acq: 25 Sep 2018 10:49

Tgt Ion: 117 Resp: 880963

Ion	Ratio	Lower	Upper
117	100		
201	91.7	47.8	143.3

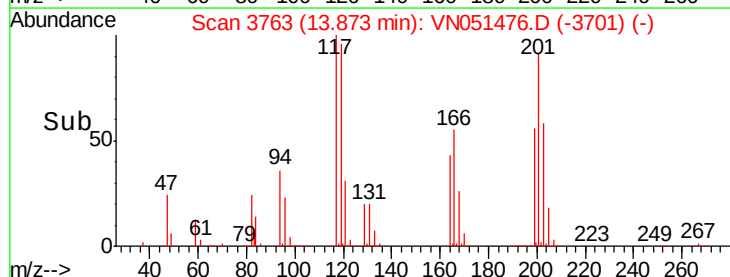
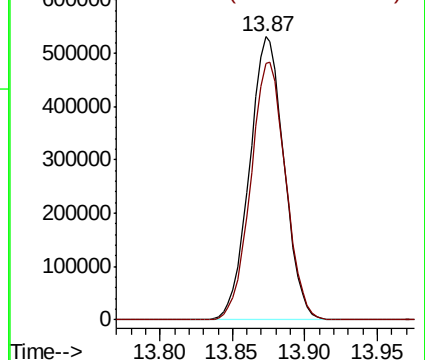
117 100

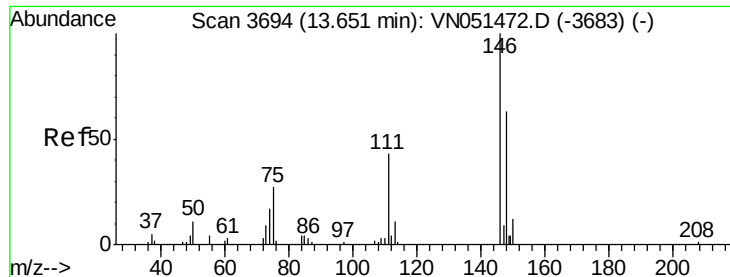
201 91.7 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051476.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN051476.D (-3701) (-)





#87

1,2-Dichlorobenzene

Concen: 181.088 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

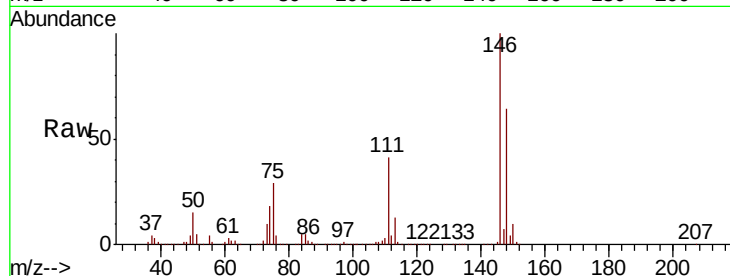
Tot Ion:146 Resp: 2231505

Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.2

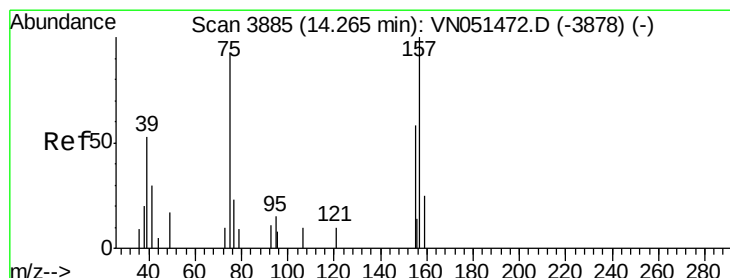
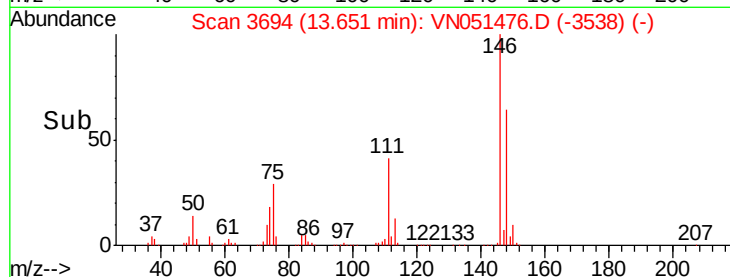
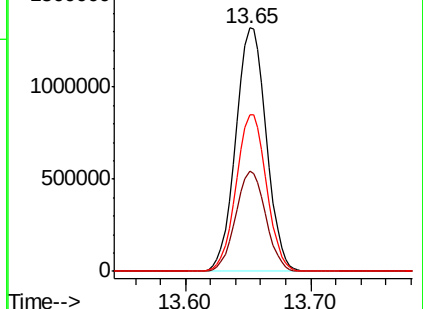
148 64.1 33.2 99.6



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: 178.936 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051476.D

Acq: 25 Sep 2018 10:49

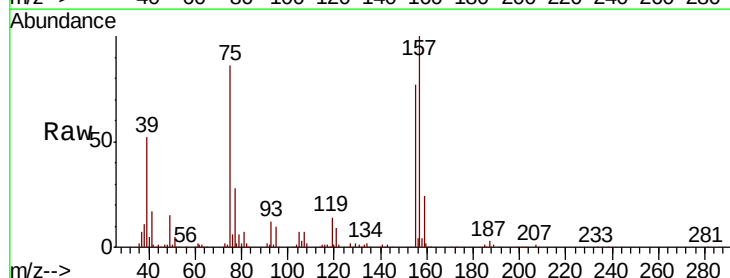
Tgt Ion: 75 Resp: 182806

Ion Ratio Lower Upper

75 100

155 89.7 57.0 85.6#

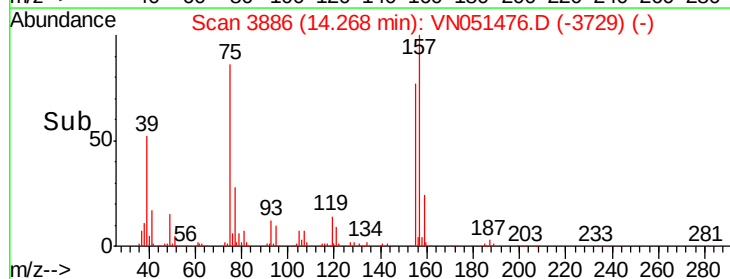
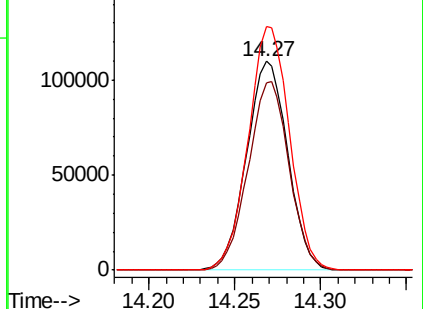
157 116.7 87.4 131.0

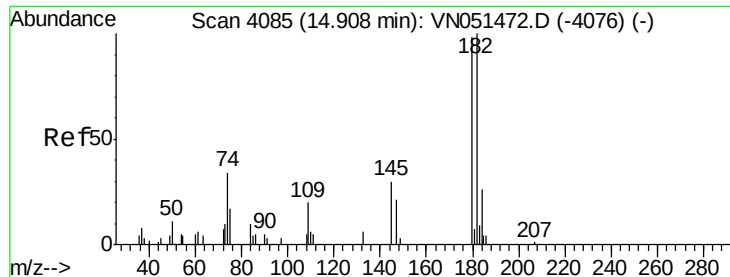


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

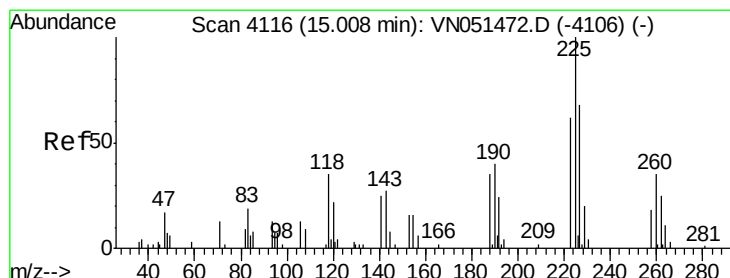
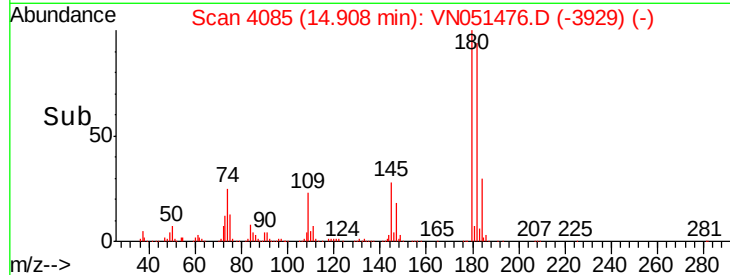
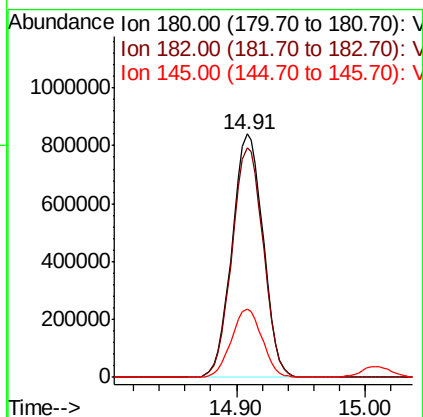
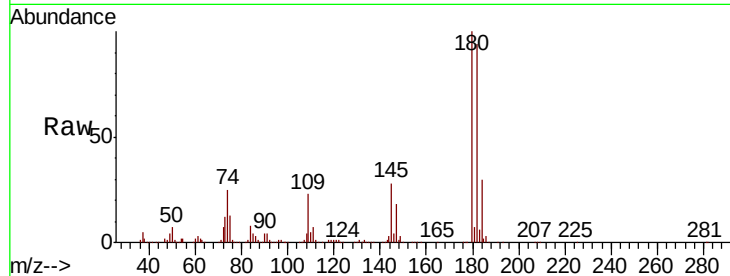




#89
 1,2,4-Trichlorobenzene
 Concen: 228.786 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

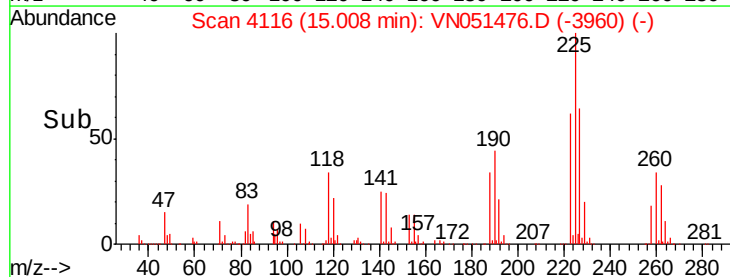
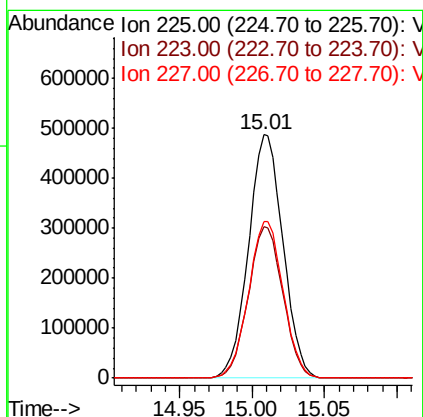
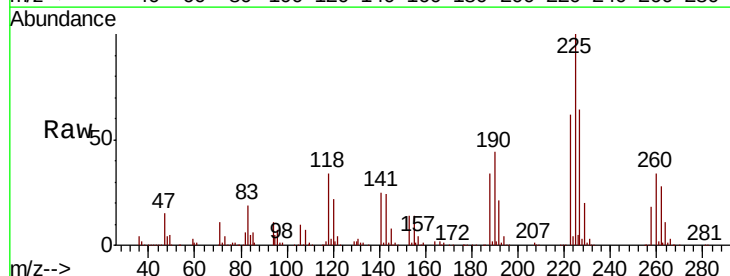
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

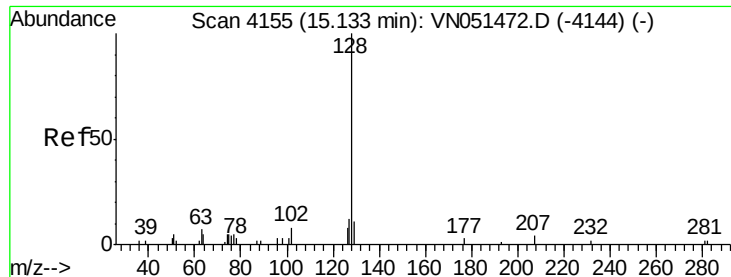
Tot Ion:180 Resp: 1404289
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.7 116.5
 145 27.8 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 169.896 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051476.D
 Acq: 25 Sep 2018 10:49

Tgt Ion:225 Resp: 808214
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 117.0
 227 64.5 0.0 127.0

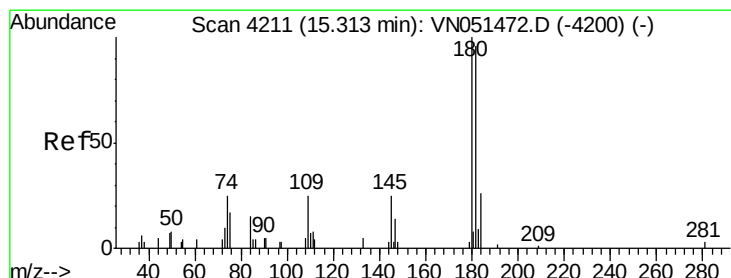
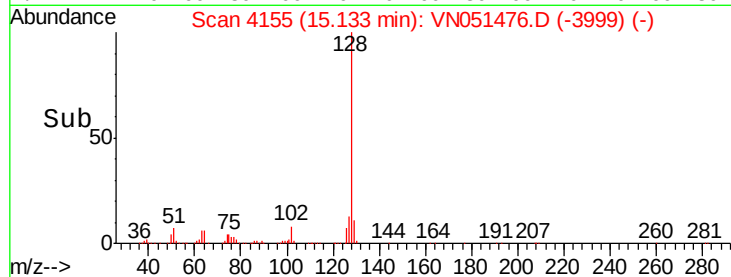
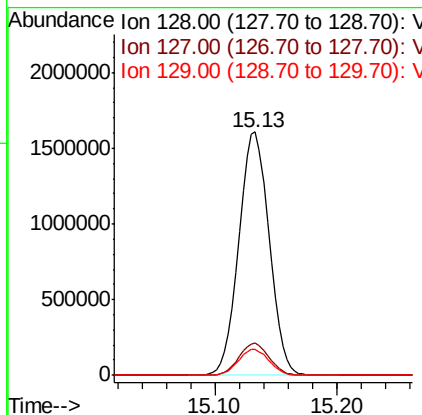
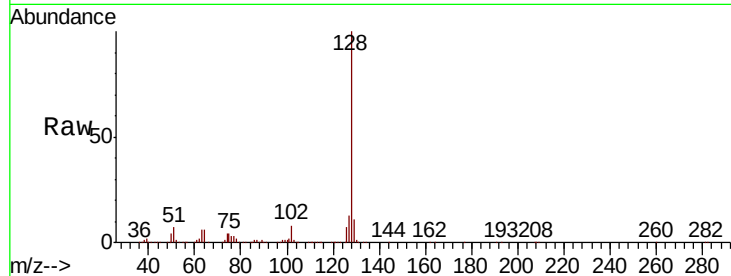




#91
Naphthalene
Concen: 237.896 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2755315
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 212.302 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051476.D
Acq: 25 Sep 2018 10:49

Tgt Ion:180 Resp: 1315501
Ion Ratio Lower Upper
180 100
182 95.8 0.0 198.0
145 29.2 0.0 36.8

