

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051392.D
 Acq On : 22 Sep 2018 12:42
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 24 05:37:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 05:35:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	515338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	718660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	307980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	89258	13.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.66%	
35) Dibromofluoromethane	7.59	113	80899	14.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.16%	
50) Toluene-d8	10.09	98	305295	14.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.22%	
62) 4-Bromofluorobenzene	12.40	95	90579	12.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	79055	16.443	ug/l	100
3) Chloromethane	2.06	50	125223	16.361	ug/l	98
4) Vinyl Chloride	2.18	62	142674	16.890	ug/l	98
5) Bromomethane	2.57	94	84720	16.775	ug/l	97
6) Chloroethane	2.70	64	86340	16.403	ug/l	100
7) Trichlorofluoromethane	3.02	101	180476	16.311	ug/l	98
8) Diethyl Ether	3.41	74	51184	12.680	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	94485	15.131	ug/l	98
10) Methyl Iodide	3.95	142	120374	14.707	ug/l	99
11) Tert butyl alcohol	4.79	59	26664	73.278	ug/l	98
12) 1,1-Dichloroethene	3.74	96	84174	14.681	ug/l	99
13) Acrolein	3.61	56	24854	68.698	ug/l	96
14) Allyl chloride	4.33	41	142206	14.782	ug/l	98
15) Acrylonitrile	4.99	53	151483	76.432	ug/l	98
16) Acetone	3.82	43	110964	58.966	ug/l	100
17) Carbon Disulfide	4.05	76	257397	15.280	ug/l	100
18) Methyl Acetate	4.33	43	77044	15.670	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	220034	14.882	ug/l	100
20) Methylene Chloride	4.56	84	102659	16.070	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	95074	16.209	ug/l	94
22) Diisopropyl ether	5.95	45	306577	16.487	ug/l	96
23) Vinyl Acetate	5.90	43	950788	77.882	ug/l	100
24) 1,1-Dichloroethane	5.85	63	180736	16.290	ug/l	99
25) 2-Butanone	6.84	43	172094	77.886	ug/l	99
26) 2,2-Dichloropropane	6.83	77	140000	16.165	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	104284	16.203	ug/l	98
28) Bromochloromethane	7.20	49	83977	16.390	ug/l	95
29) Tetrahydrofuran	7.22	42	109126	77.934	ug/l	98
30) Chloroform	7.37	83	184406	16.774	ug/l	100
31) Cyclohexane	7.66	56	161370	15.875	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	154471	16.436	ug/l	100
36) 1,1-Dichloropropene	7.79	75	134821	16.200	ug/l	98
37) Ethyl Acetate	6.93	43	76579	16.004	ug/l	99
38) Carbon Tetrachloride	7.78	117	143994	16.542	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	150571	15.477	ug/l	95
40) Benzene	8.04	78	416266	17.035	ug/l	99
41) Methacrylonitrile	7.17	41	38205	14.432	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	131432	16.798	ug/l	99
43) Isopropyl Acetate	8.17	43	136658	15.794	ug/l	99
44) Trichloroethene	8.84	130	107161	16.511	ug/l	100
45) 1,2-Dichloropropane	9.12	63	111447	16.778	ug/l	95
46) Dibromomethane	9.21	93	62867	16.751	ug/l	99
47) Bromodichloromethane	9.40	83	141382	17.023	ug/l	99
48) Methyl methacrylate	9.20	41	68915	15.975	ug/l	98
49) 1,4-Dioxane	9.20	88	18041	341.242	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	378857	79.616	ug/l	100
52) Toluene	10.16	92	246139	16.208	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	131314	15.660	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	159396	16.392	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	93097	17.346	ug/l	96
56) Ethyl methacrylate	10.43	69	100252	15.278	ug/l	98
57) 1,3-Dichloropropane	10.71	76	153343	16.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	277394	92.120	ug/l	99
59) 2-Hexanone	10.75	43	241241	78.203	ug/l	98
60) Dibromochloromethane	10.90	129	104742	16.541	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84720	16.261	ug/l	99
64) Tetrachloroethene	10.63	164	94941	16.319	ug/l	96
65) Chlorobenzene	11.44	112	267781	16.282	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	104928	16.745	ug/l	99
67) Ethyl Benzene	11.51	91	443212	15.990	ug/l	99
68) m/p-Xylenes	11.62	106	343038	31.996	ug/l	100
69) o-Xylene	11.95	106	166403	16.145	ug/l	100
70) Styrene	11.96	104	253265	15.507	ug/l	98
71) Bromoform	12.12	173	67350	15.840	ug/l #	98
73) Isopropylbenzene	12.25	105	440159	16.939	ug/l	100
74) N-amyl acetate	12.07	43	99900	15.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	107039	17.664	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124579	25.076	ug/l #	100
77) Bromobenzene	12.53	156	111498	16.950	ug/l	98
78) n-propylbenzene	12.59	91	483235	16.500	ug/l	99
79) 2-Chlorotoluene	12.67	91	294462	16.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358258	16.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25822	15.530	ug/l	98
82) 4-Chlorotoluene	12.77	91	288627	16.496	ug/l	100
83) tert-Butylbenzene	12.99	119	314172	16.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	361955	16.952	ug/l	100
85) sec-Butylbenzene	13.17	105	422039	16.541	ug/l	100
86) p-Isopropyltoluene	13.29	119	359658	16.291	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	184856	16.239	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175957	16.064	ug/l	99
89) n-Butylbenzene	13.62	91	275236	15.161	ug/l	99
90) Hexachloroethane	13.87	117	74515	16.940	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	182363	16.511	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13963	16.147	ug/l	98

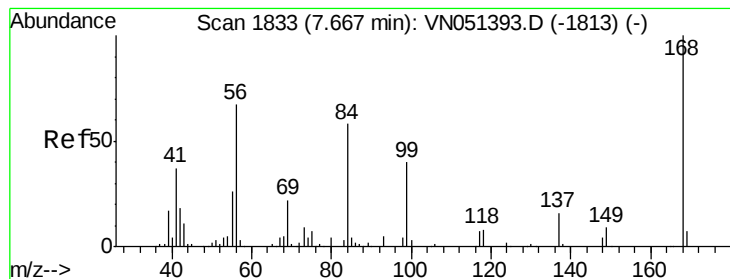
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72129	16.645	ug/l	99
94) Hexachlorobutadiene	15.01	225	73202	17.517	ug/l	95
95) Naphthalene	15.13	128	122156	16.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	76950	14.517	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

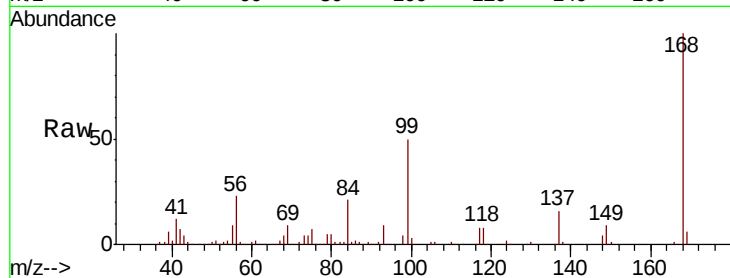
VSTDIC020

Tgt Ion:168 Resp: 515338

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

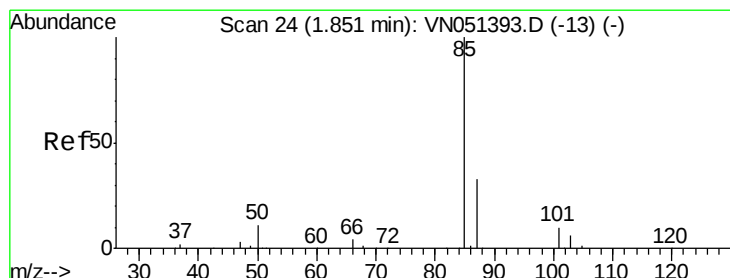
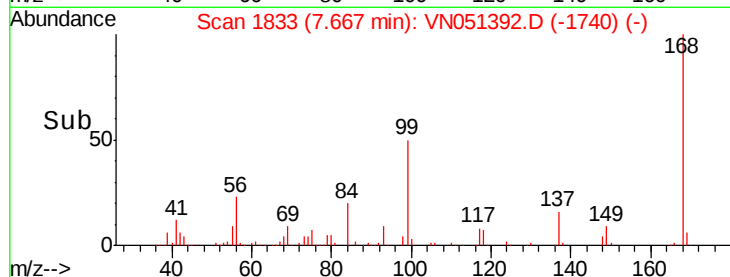
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.443 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051392.D

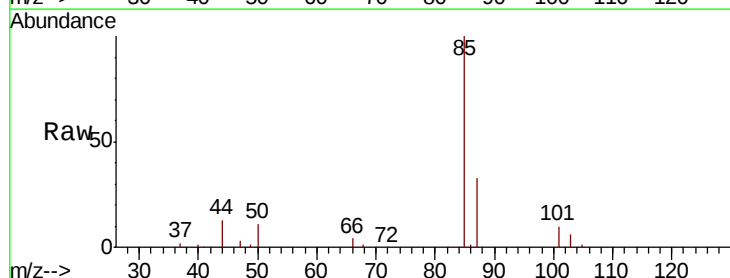
Acq: 22 Sep 2018 12:42

Tgt Ion: 85 Resp: 79055

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

60000

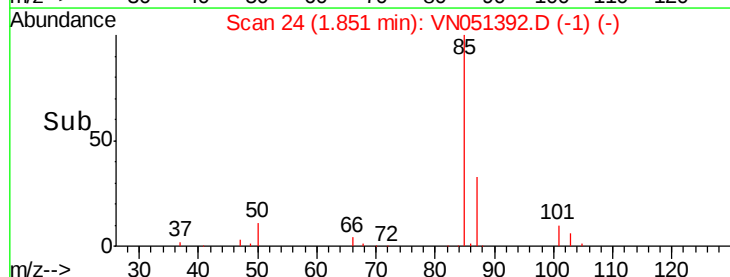
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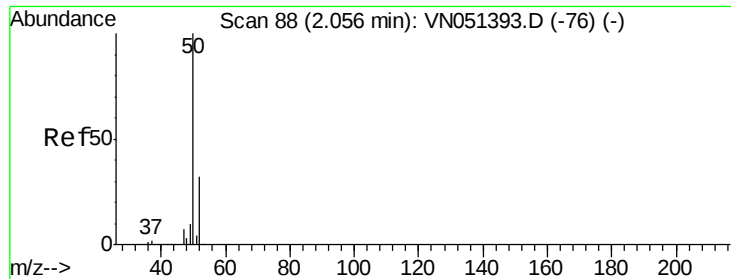
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.361 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

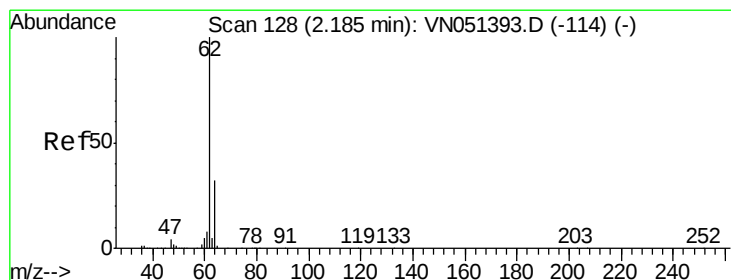
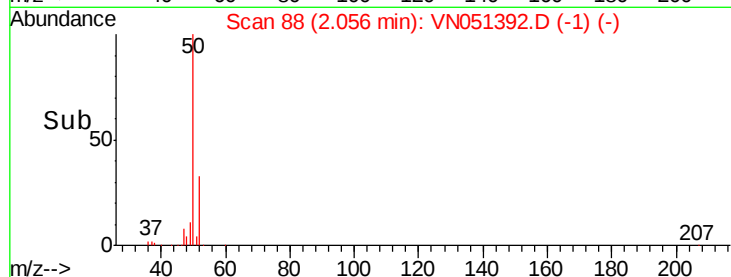
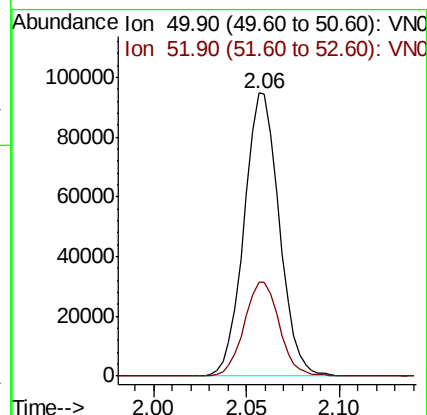
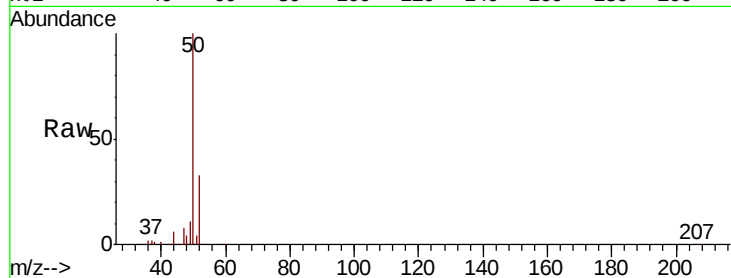
VSTDIC020

Tgt Ion: 50 Resp: 125223

Ion Ratio Lower Upper

50 100

52 33.0 25.7 38.5



#4

Vinyl Chloride

Concen: 16.890 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051392.D

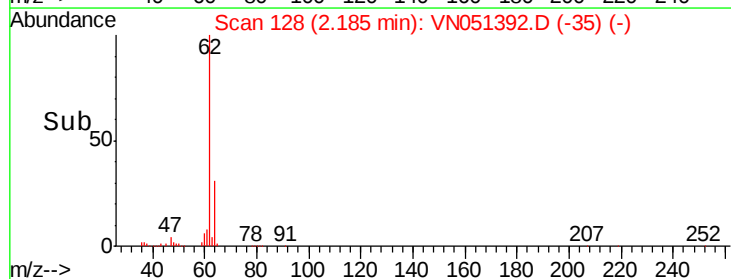
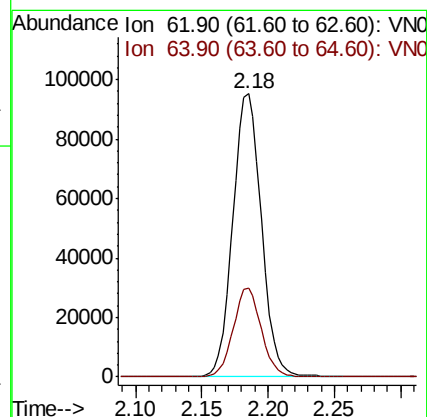
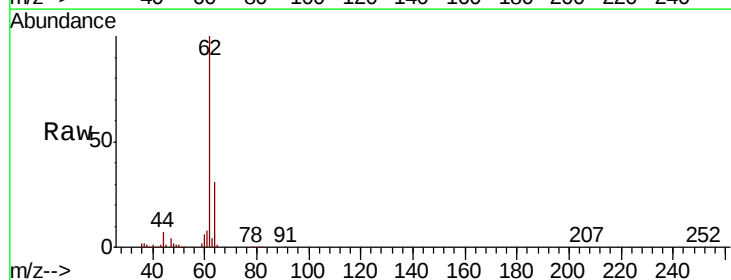
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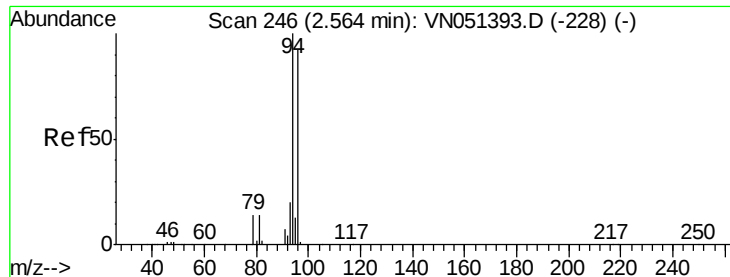
Tgt Ion: 62 Resp: 142674

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 16.775 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

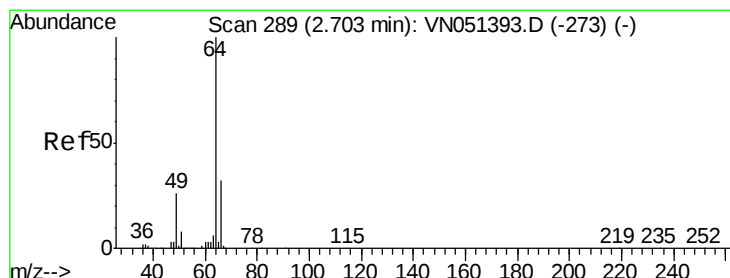
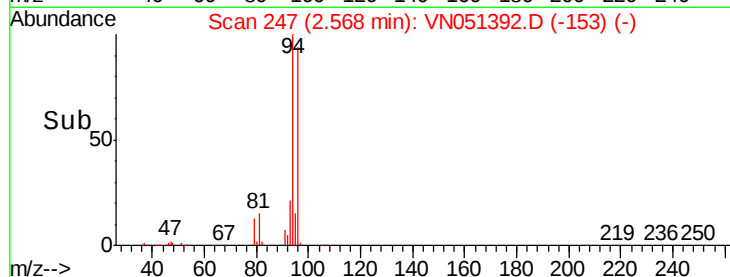
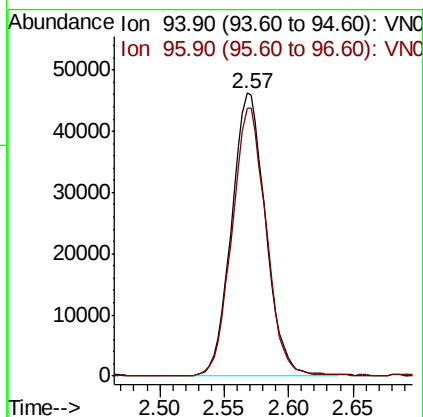
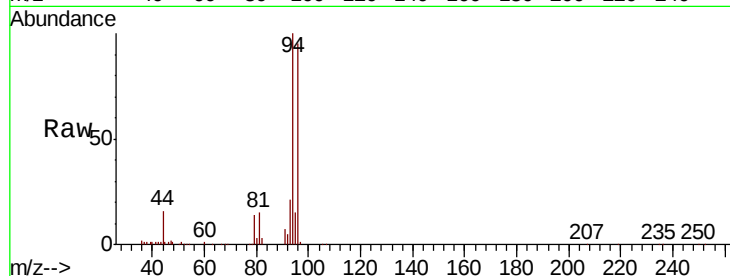
VSTDIC020

Tgt Ion: 94 Resp: 84720

Ion Ratio Lower Upper

94 100

96 94.8 73.6 110.4



#6

Chloroethane

Concen: 16.403 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051392.D

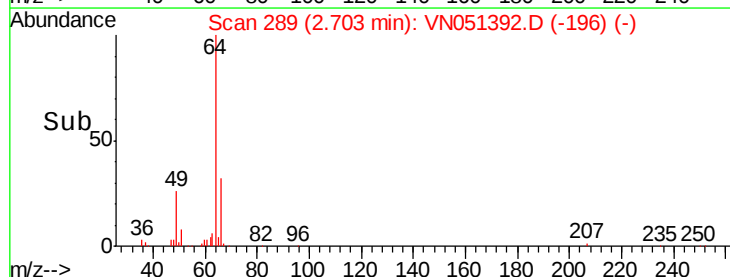
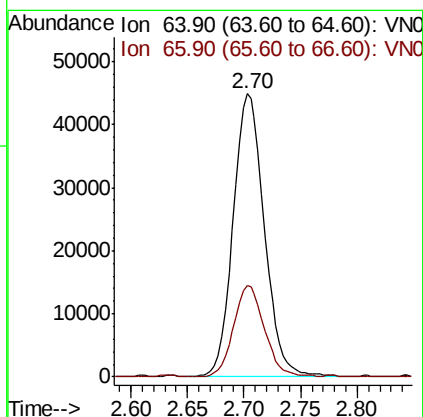
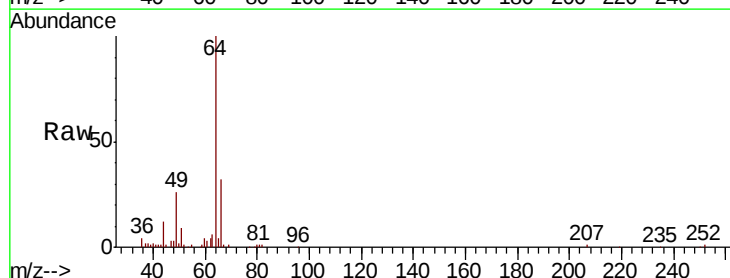
Acq: 22 Sep 2018 12:42

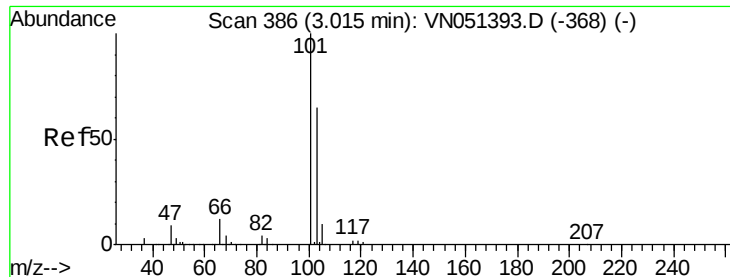
Tgt Ion: 64 Resp: 86340

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



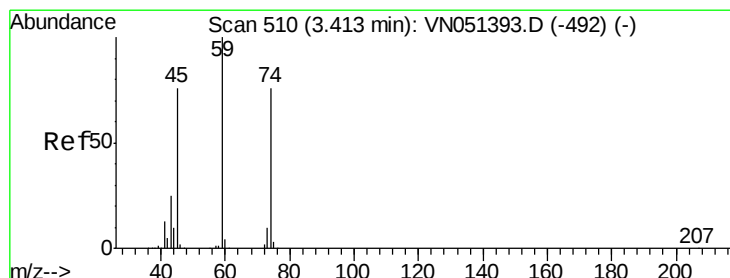
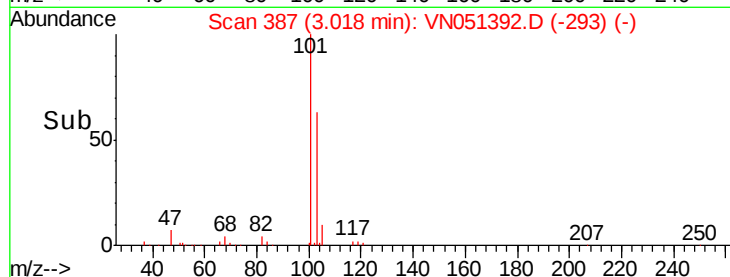
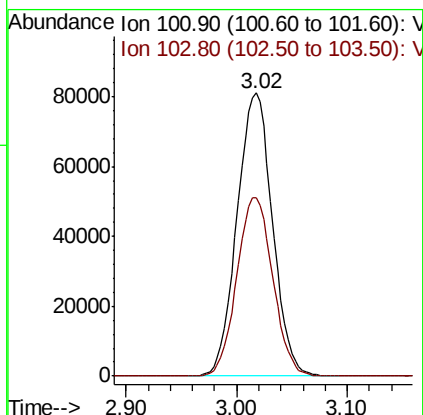
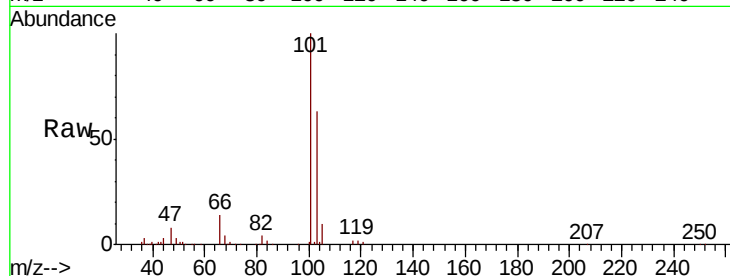


#7

Trichlorofluoromethane
 Concen: 16.311 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

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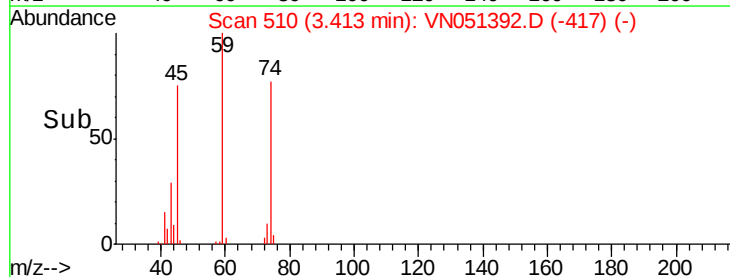
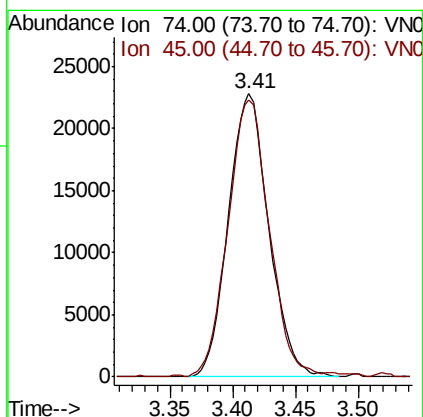
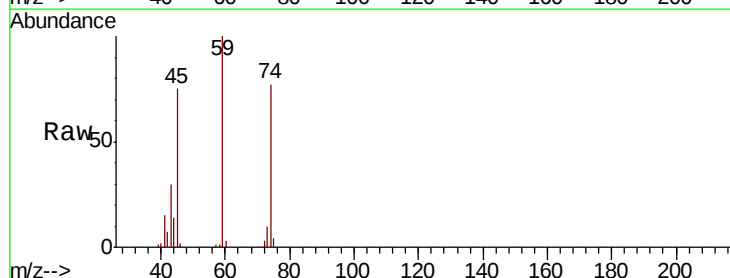
Tgt Ion: 101 Resp: 180476
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.8

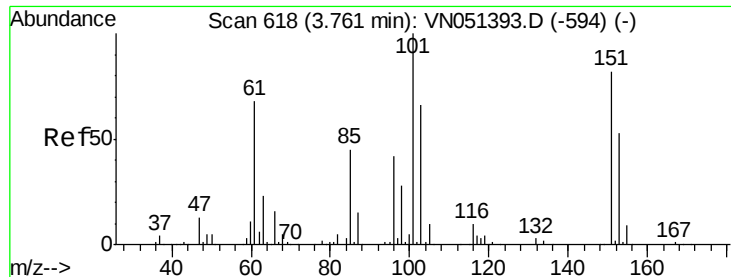


#8

Diethyl Ether
 Concen: 12.680 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 74 Resp: 51184
 Ion Ratio Lower Upper
 74 100
 45 99.6 50.2 150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.131 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

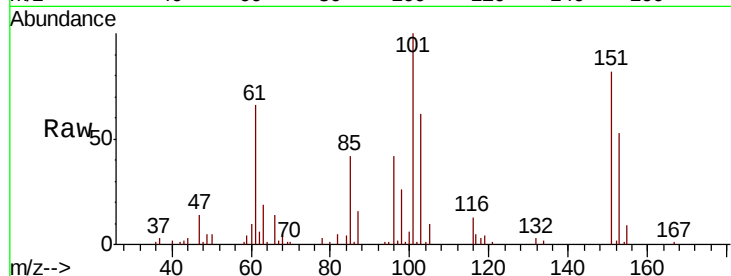
Tgt Ion:101 Resp: 94485

Ion Ratio Lower Upper

101 100

85 43.5 33.9 50.9

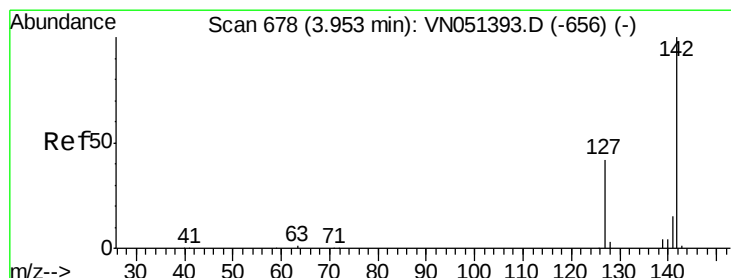
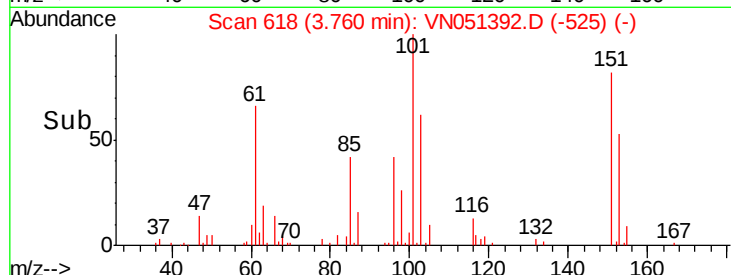
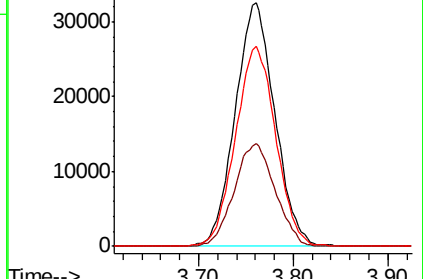
151 83.5 65.2 97.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.707 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

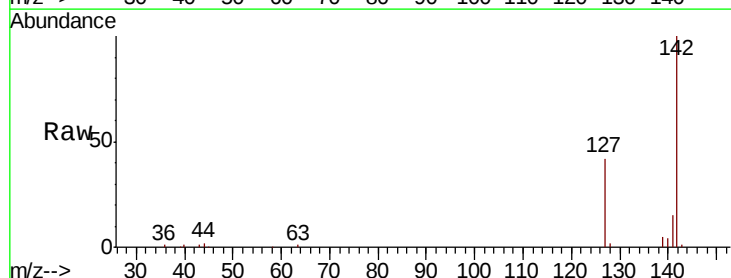
Tgt Ion:142 Resp: 120374

Ion Ratio Lower Upper

142 100

127 42.2 33.2 49.8

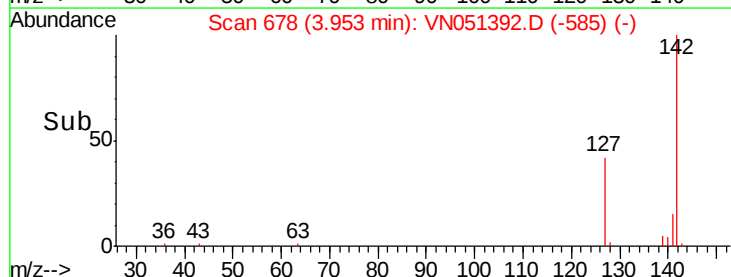
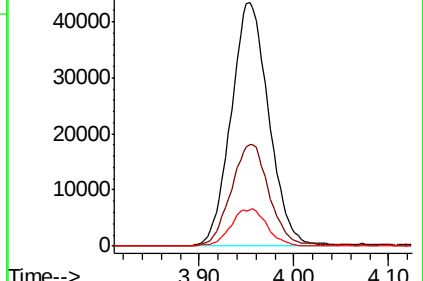
141 14.8 11.5 17.3

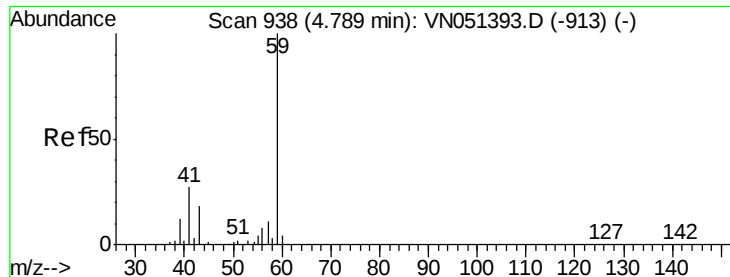


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

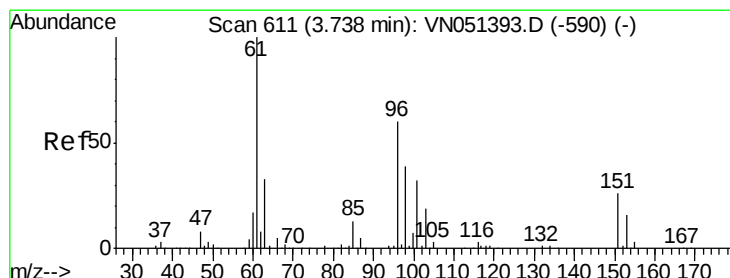
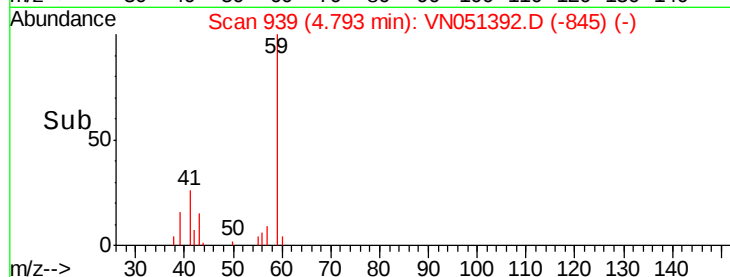
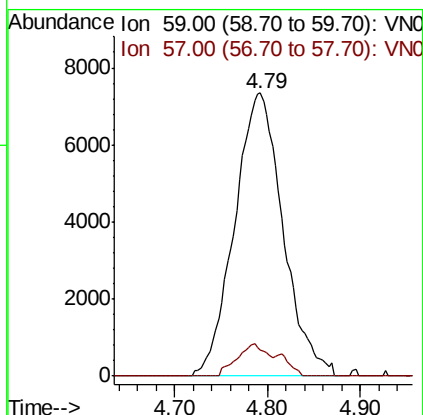
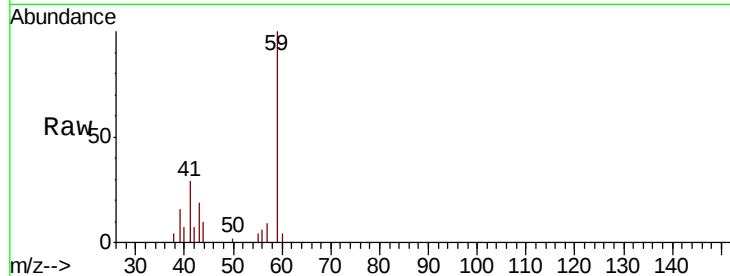




#11
Tert butyl alcohol
Concen: 73.278 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

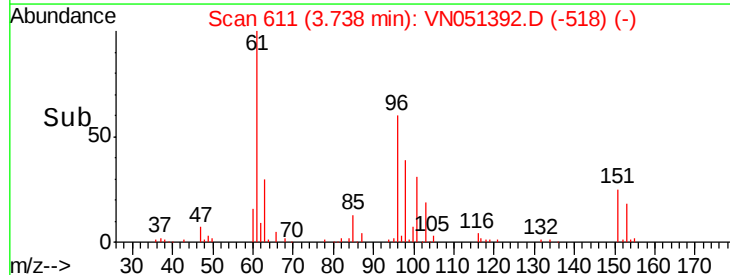
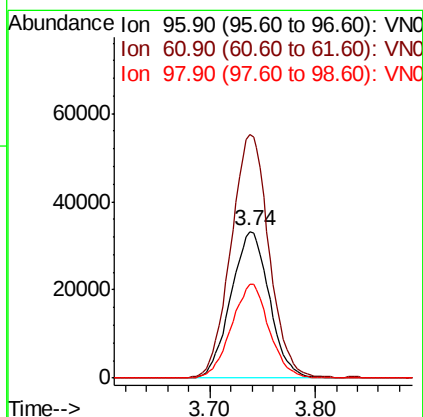
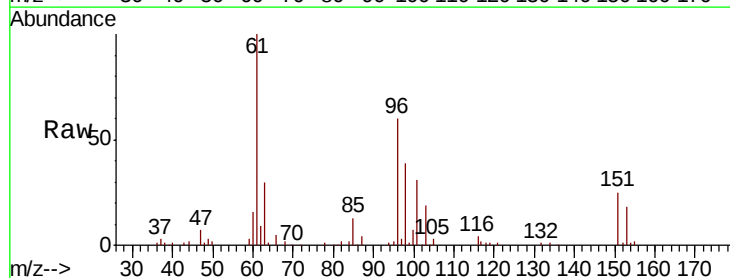
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

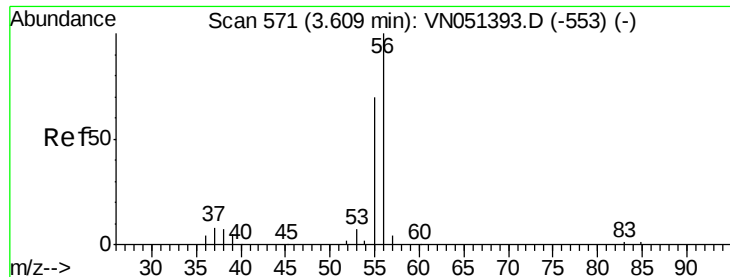
Tgt Ion: 59 Resp: 26664
Ion Ratio Lower Upper
59 100
57 7.1 6.2 9.2



#12
1,1-Dichloroethene
Concen: 14.681 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 96 Resp: 84174
Ion Ratio Lower Upper
96 100
61 166.1 133.6 200.4
98 64.0 52.2 78.2

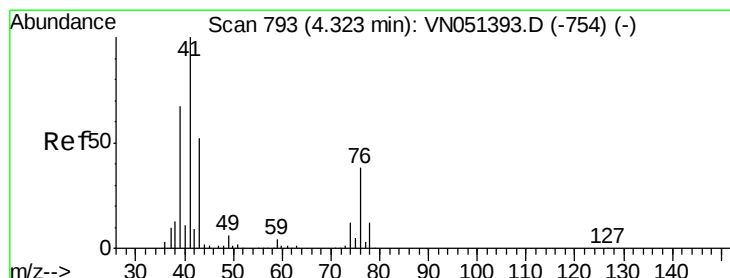
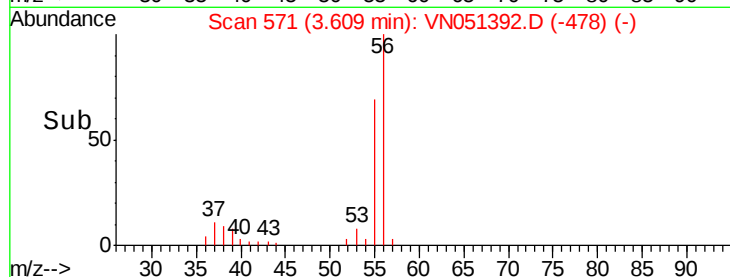
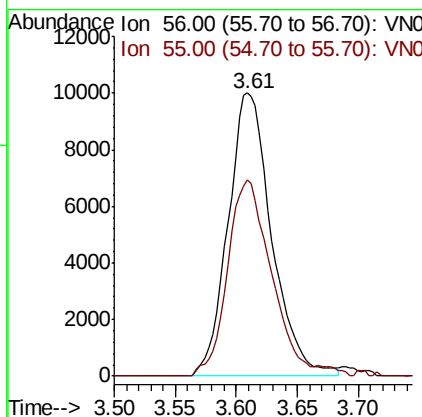
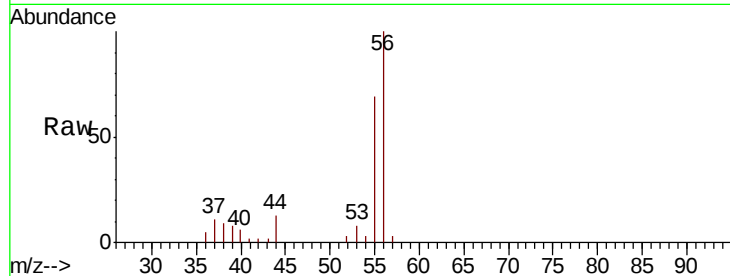




#13
Acrolein
Concen: 68.698 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

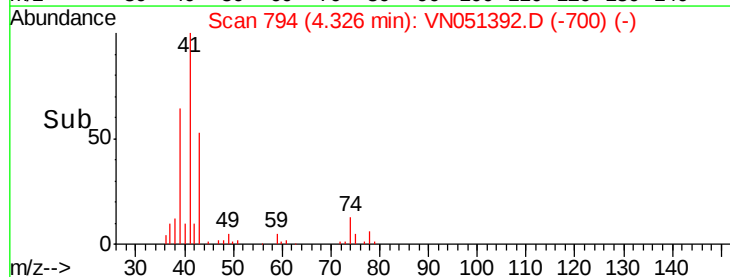
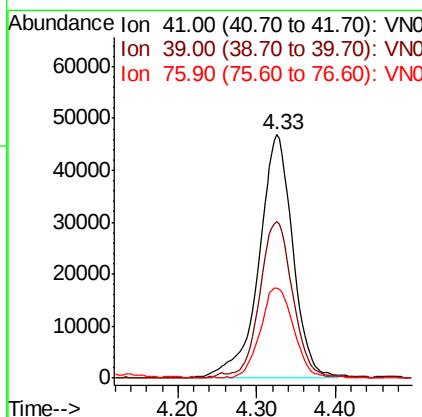
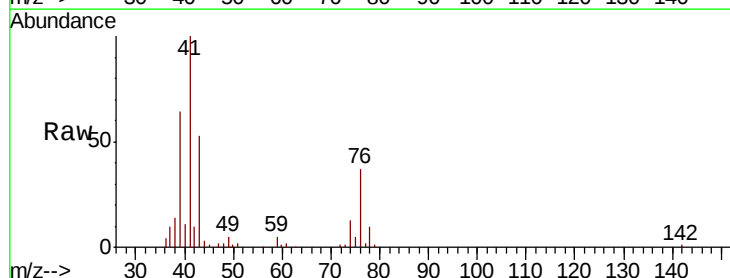
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

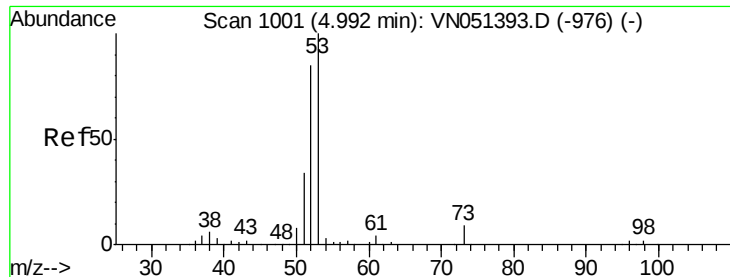
Tgt Ion: 56 Resp: 24854
Ion Ratio Lower Upper
56 100
55 69.0 57.8 86.8



#14
Allyl chloride
Concen: 14.782 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 41 Resp: 142206
Ion Ratio Lower Upper
41 100
39 62.2 51.4 77.2
76 35.5 28.1 42.1

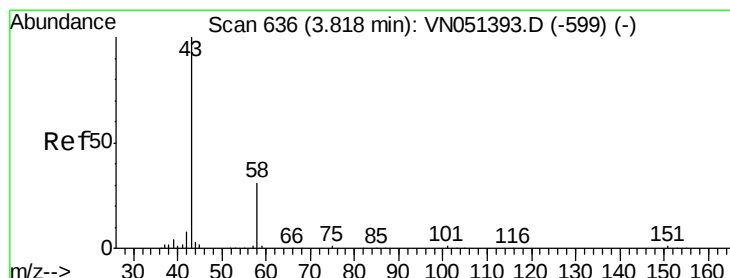
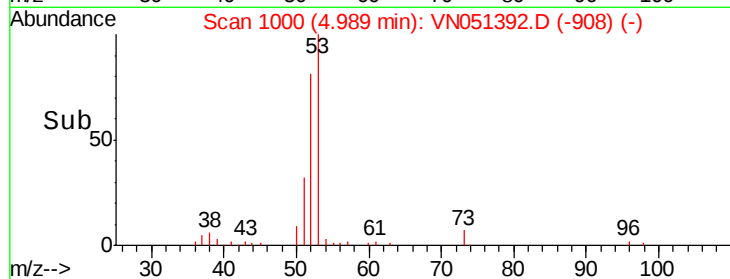
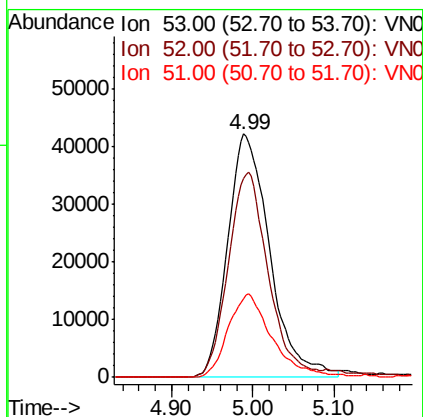
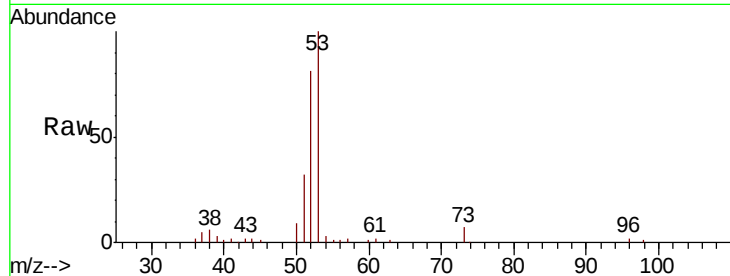




#15
 Acrylonitrile
 Concen: 76.432 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

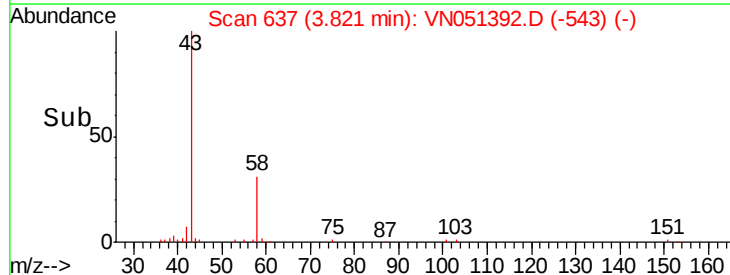
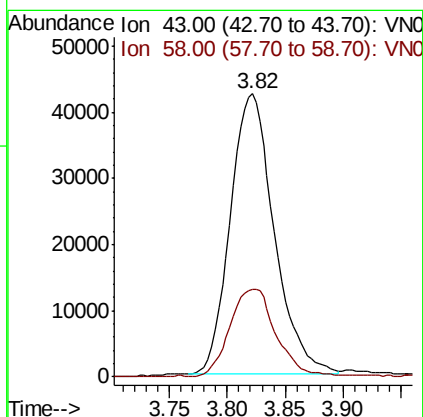
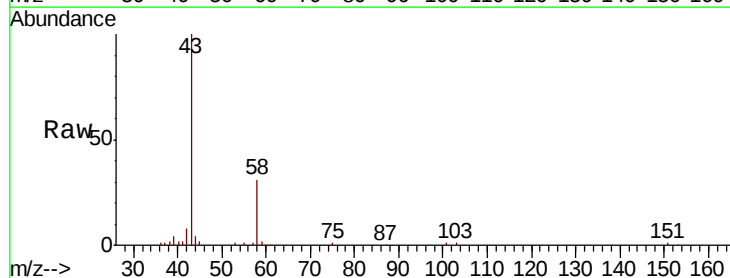
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

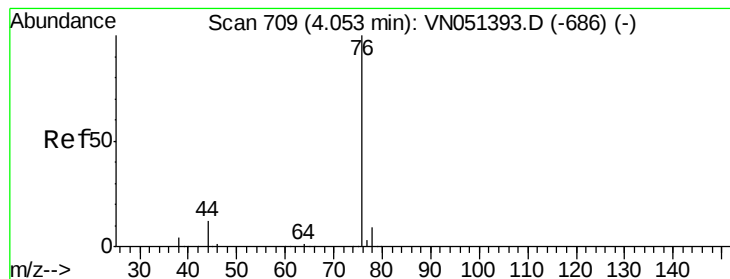
Tgt Ion: 53 Resp: 151483
 Ion Ratio Lower Upper
 53 100
 52 80.0 66.2 99.2
 51 35.4 28.6 42.8



#16
 Acetone
 Concen: 58.966 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 43 Resp: 110964
 Ion Ratio Lower Upper
 43 100
 58 31.1 25.0 37.4





#17

Carbon Disulfide

Concen: 15.280 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

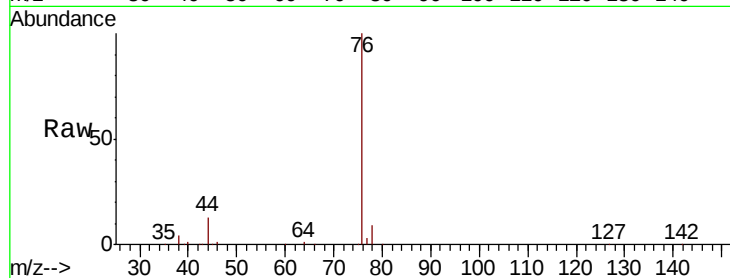
VSTDIC020

Tgt Ion: 76 Resp: 257397

Ion Ratio Lower Upper

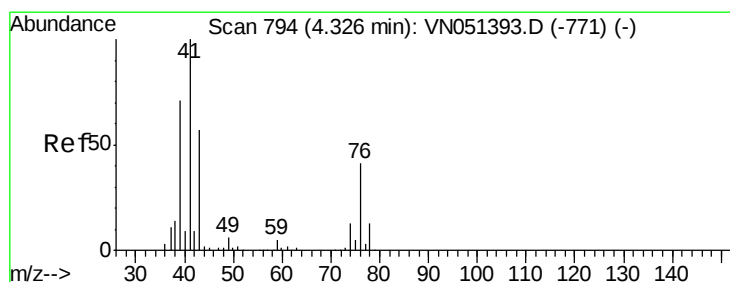
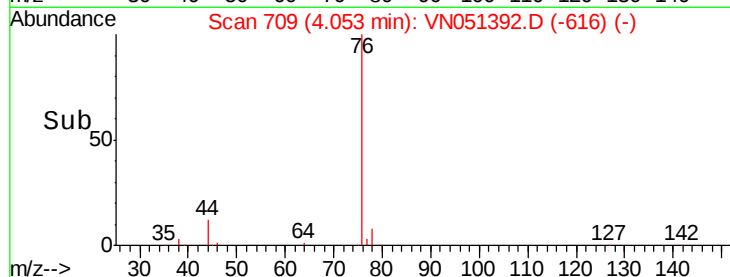
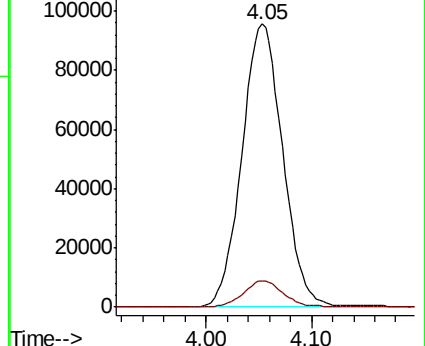
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 15.670 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051392.D

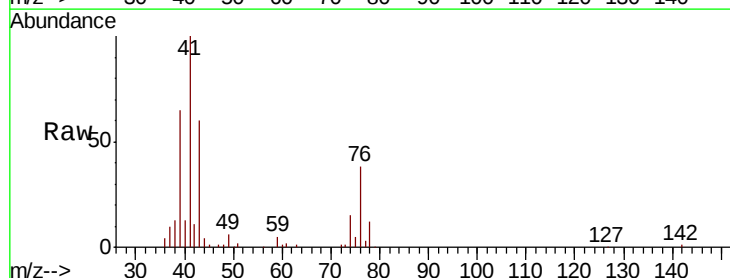
Acq: 22 Sep 2018 12:42

Tgt Ion: 43 Resp: 77044

Ion Ratio Lower Upper

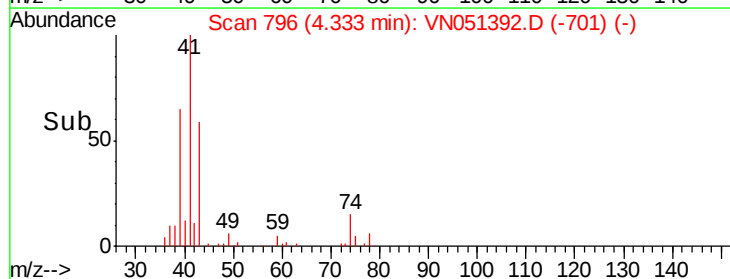
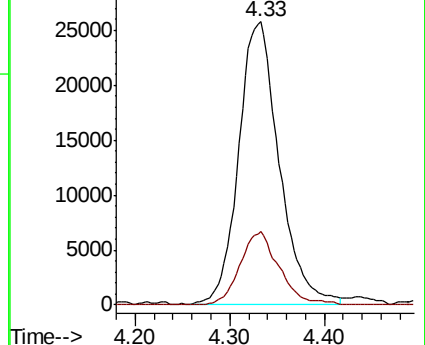
43 100

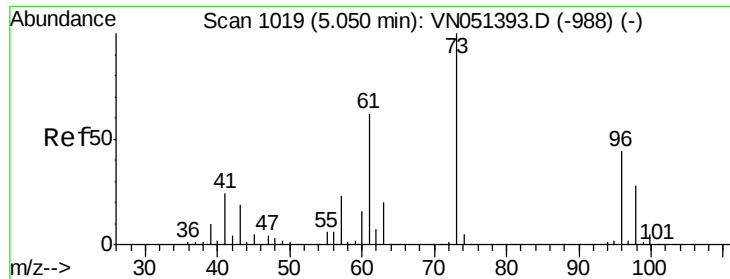
74 24.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

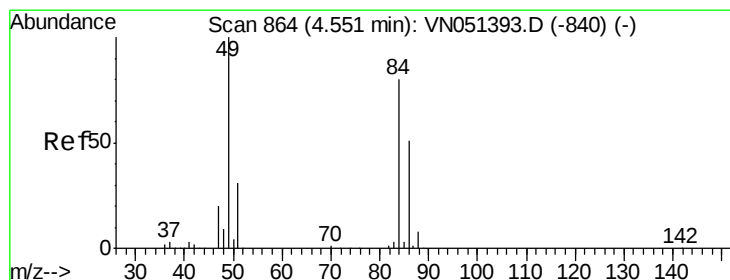
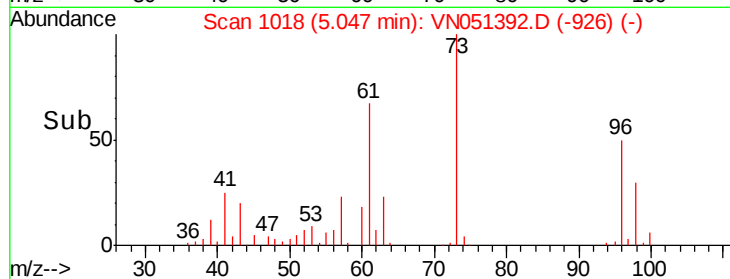
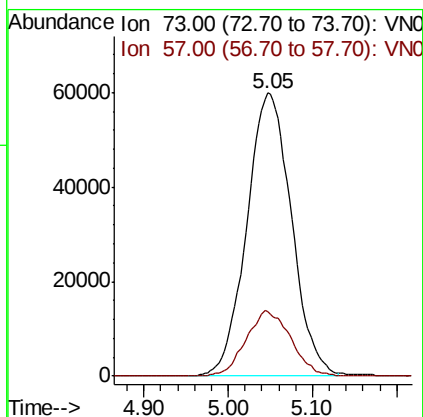
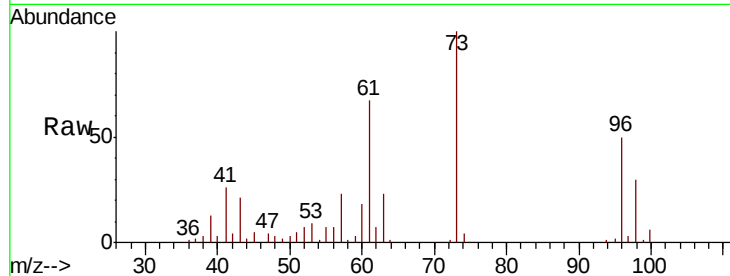




#19
Methyl tert-butyl Ether
Concen: 14.882 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

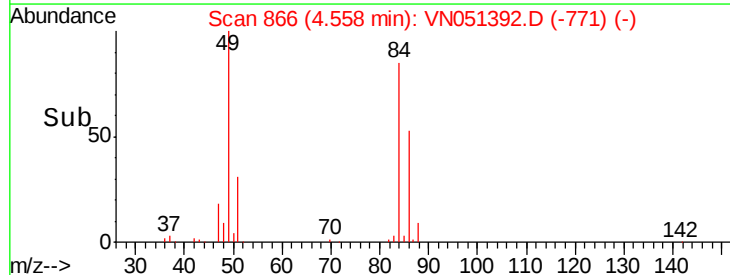
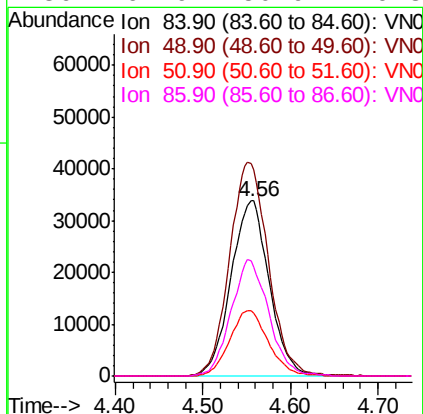
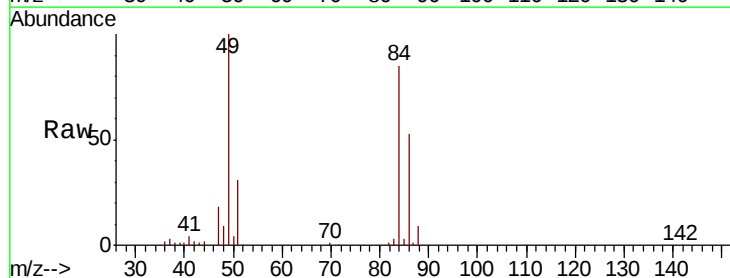
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

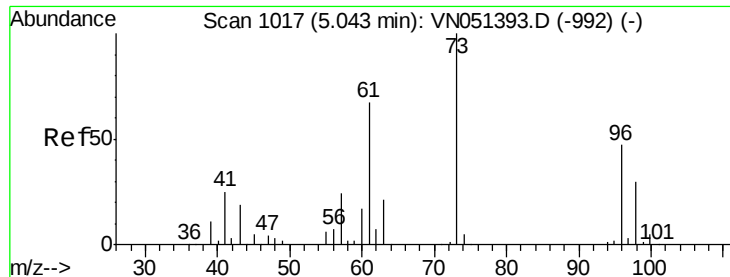
Tgt Ion: 73 Resp: 220034
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 16.070 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 84 Resp: 102659
Ion Ratio Lower Upper
84 100
49 117.7 99.9 149.9
51 36.1 31.4 47.2
86 61.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 16.209 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

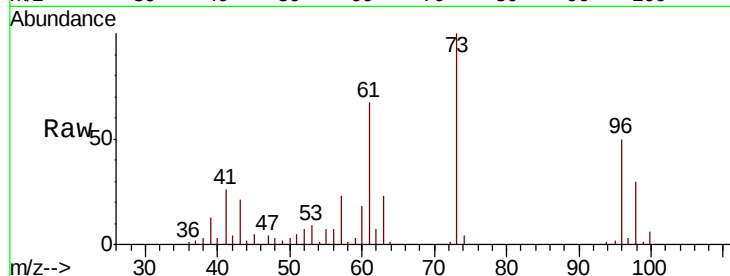
Tgt Ion: 96 Resp: 95074

Ion Ratio Lower Upper

96 100

61 133.4 113.4 170.2

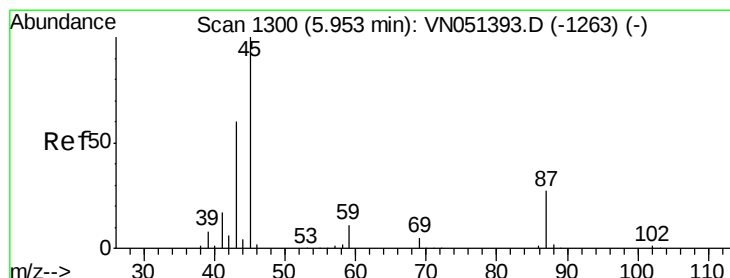
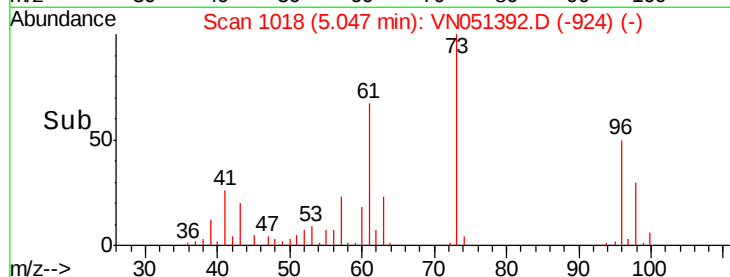
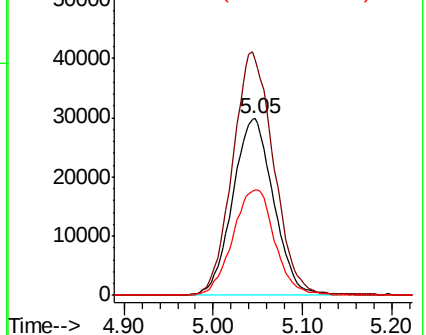
98 59.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN051392.D (-924) (-)

Ion 60.90 (60.60 to 61.60): VN051392.D (-924) (-)

Ion 97.90 (97.60 to 98.60): VN051392.D (-924) (-)



#22

Diisopropyl ether

Concen: 16.487 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion: 45 Resp: 306577

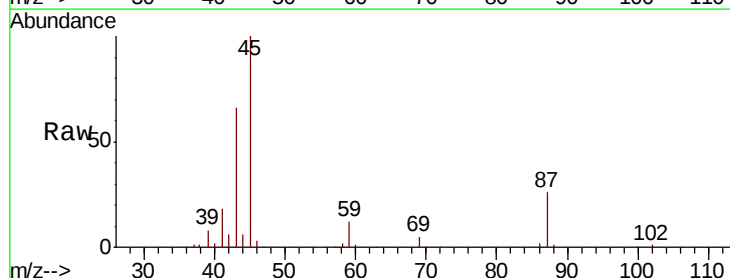
Ion Ratio Lower Upper

45 100

43 63.9 47.7 71.5

87 26.0 22.0 33.0

59 12.0 9.3 13.9

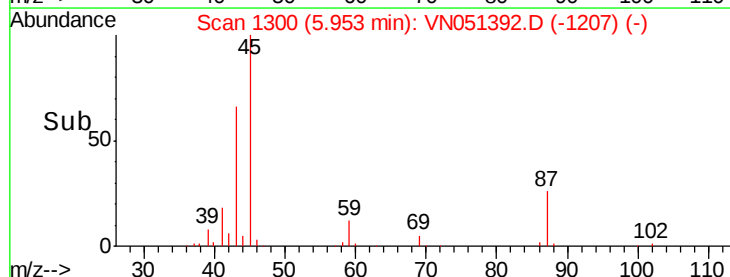
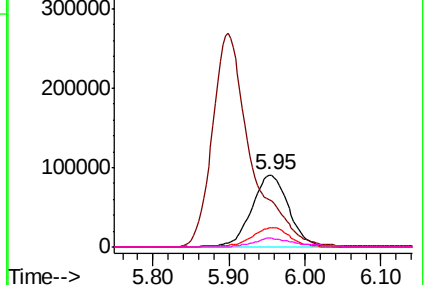


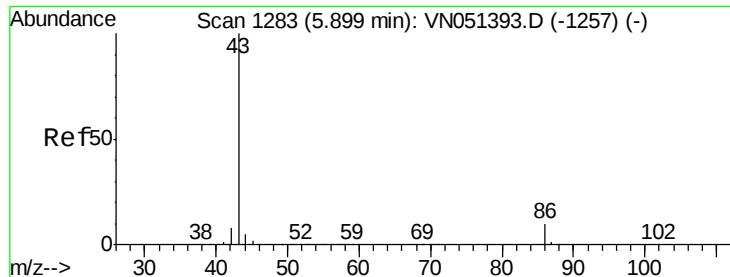
Abundance Ion 45.00 (44.70 to 45.70): VN051392.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN051392.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN051392.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN051392.D (-1207) (-)





#23

Vinyl Acetate

Concen: 77.882 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

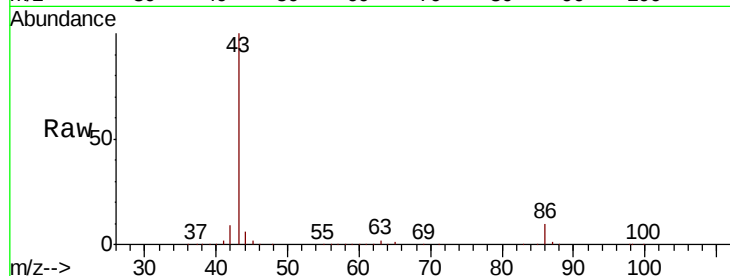
VSTDIC020

Tgt Ion: 43 Resp: 950788

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VN051392.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN051392.D (-1190) (-)

5.90

300000

250000

200000

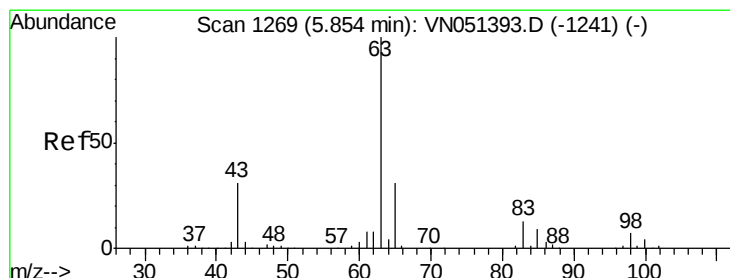
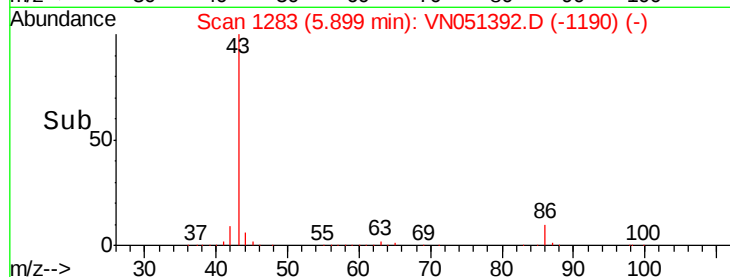
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 16.290 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

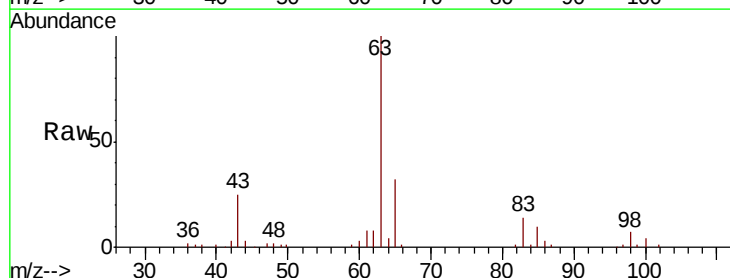
Tgt Ion: 63 Resp: 180736

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 3.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051392.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN051392.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN051392.D (-1176) (-)

5.85

80000

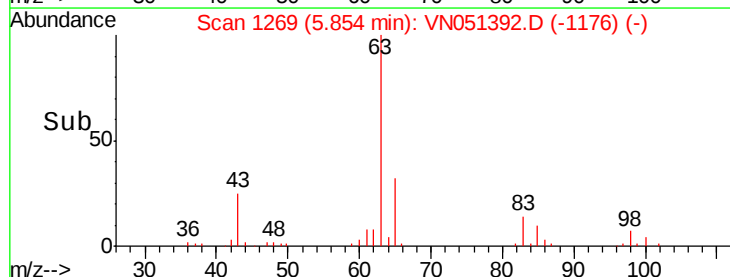
60000

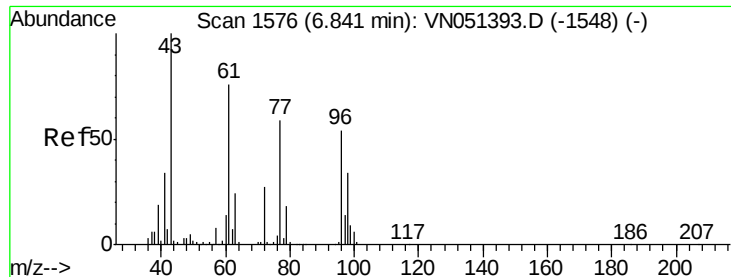
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

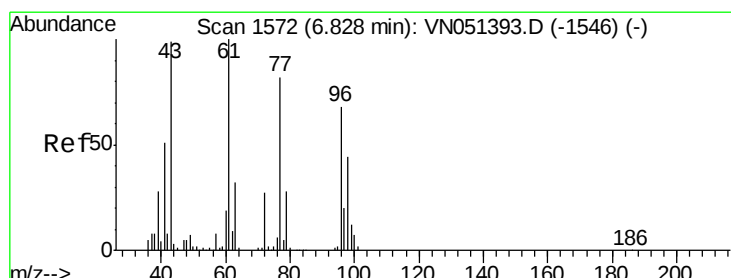
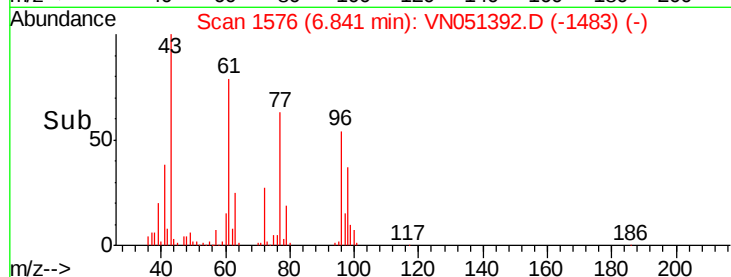
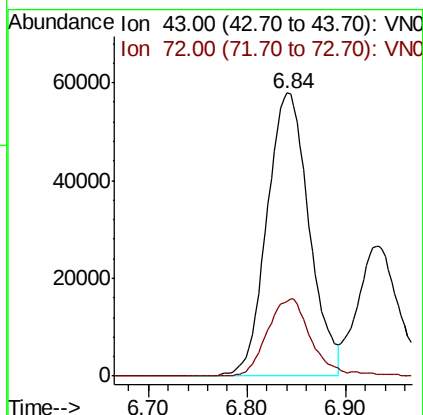
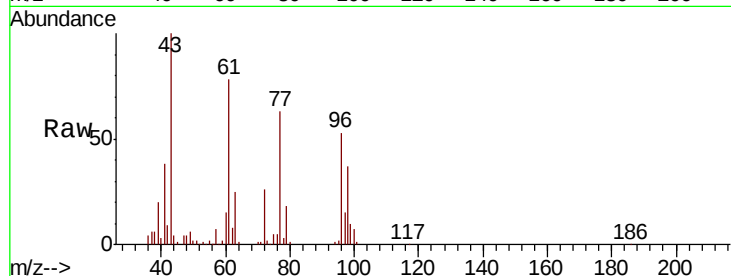




#25
2-Butanone
Concen: 77.886 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

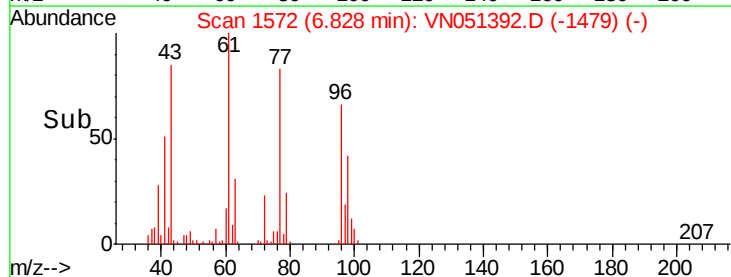
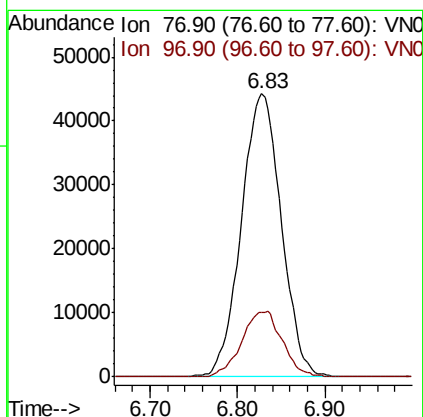
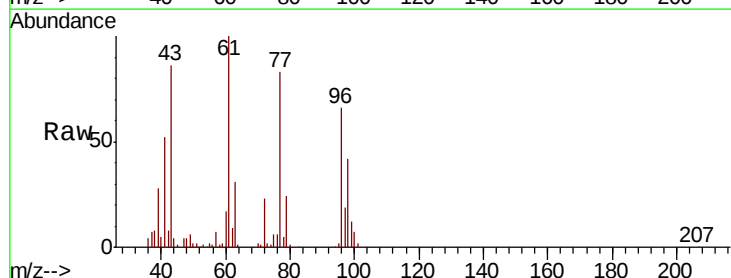
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

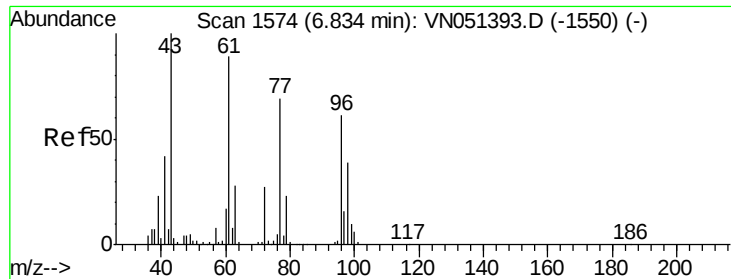
Tgt Ion: 43 Resp: 172094
Ion Ratio Lower Upper
43 100
72 26.5 21.8 32.6



#26
2,2-Dichloropropane
Concen: 16.165 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 77 Resp: 140000
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5

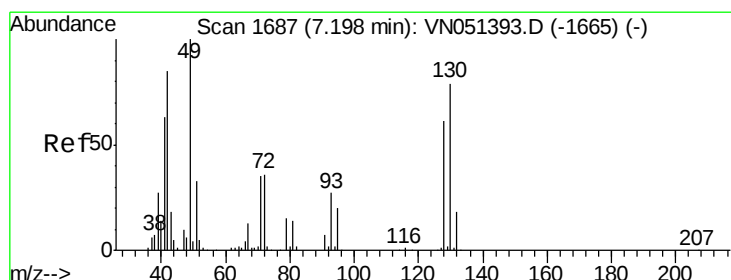
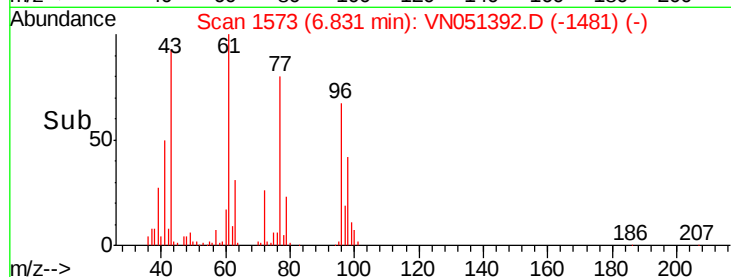
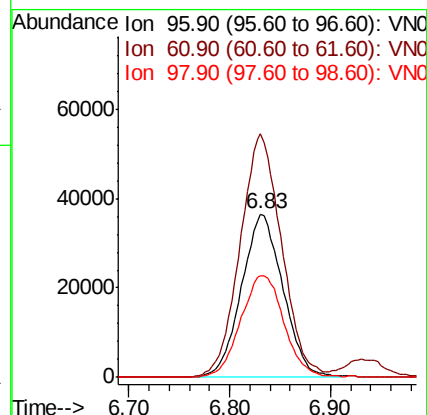
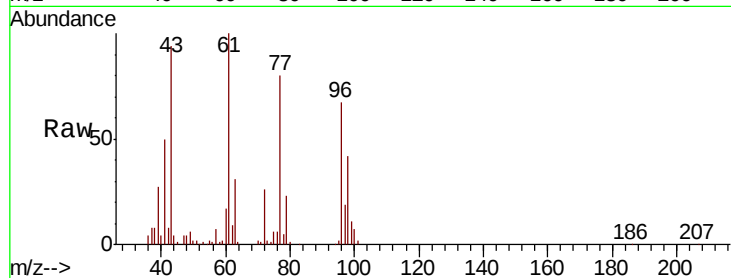




#27
 cis-1,2-Dichloroethene
 Concen: 16.203 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

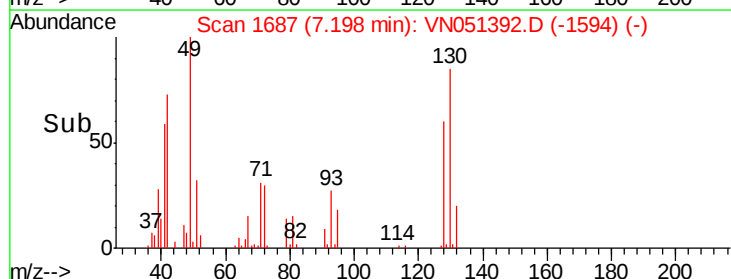
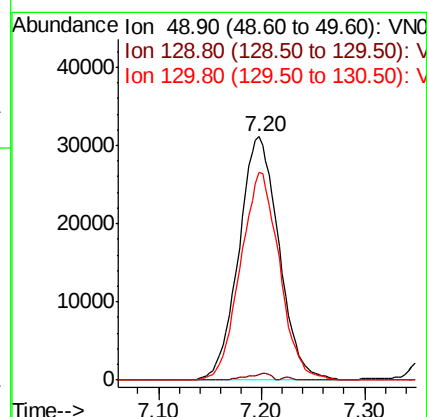
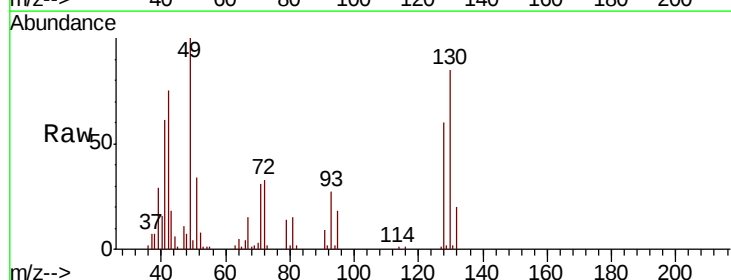
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

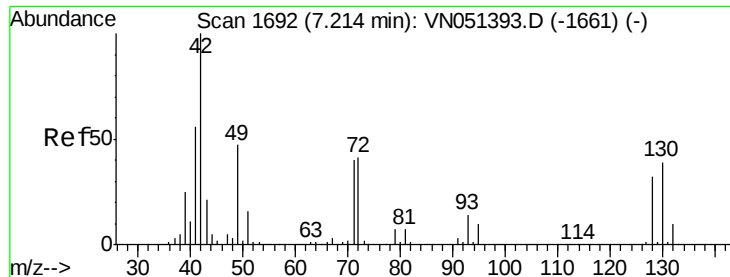
Tgt Ion: 96 Resp: 104284
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 291.4
 98 64.7 0.0 128.4



#28
 Bromochloromethane
 Concen: 16.390 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 49 Resp: 83977
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.8
 130 82.9 63.0 94.4

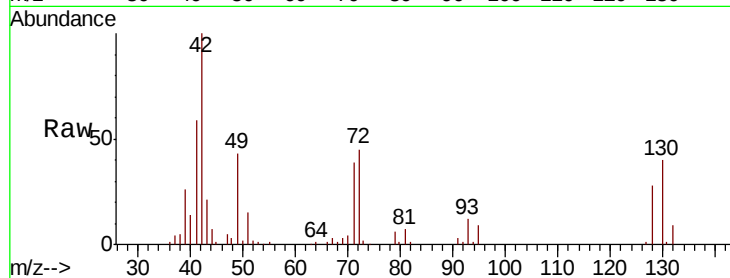




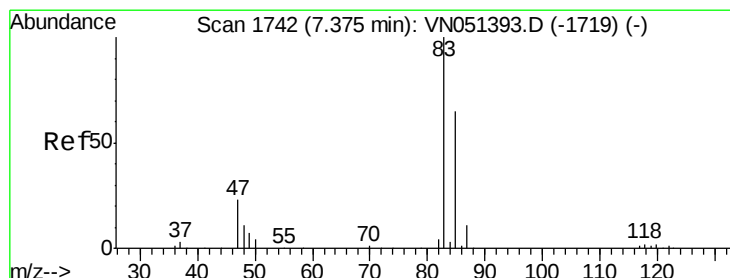
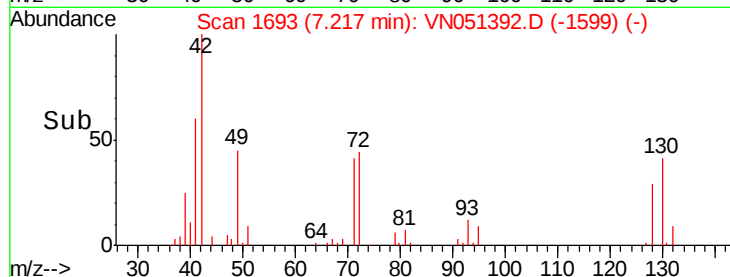
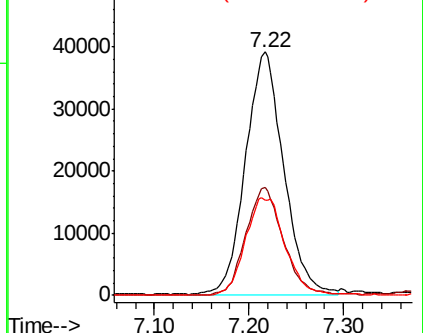
#29
Tetrahydrofuran
Concen: 77.934 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 109126
Ion Ratio Lower Upper
42 100
72 44.1 34.3 51.5
71 41.6 32.2 48.4

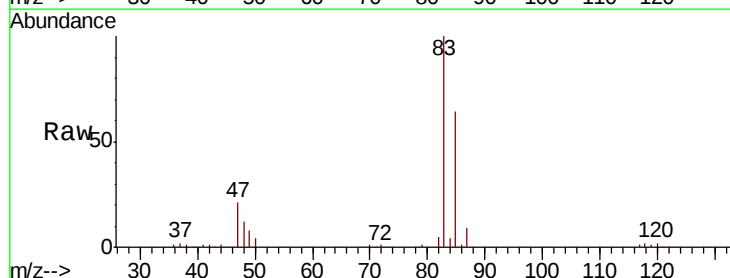


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

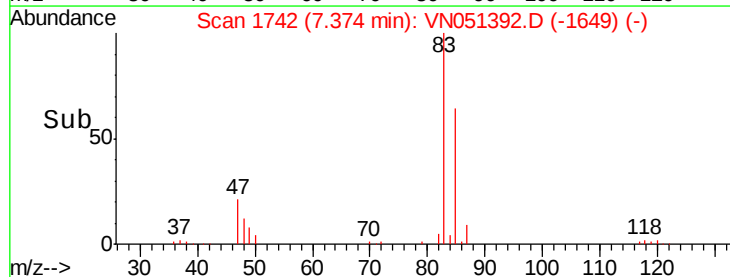
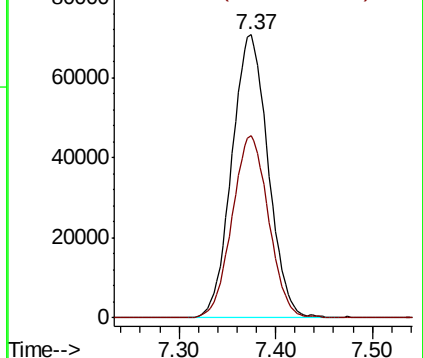


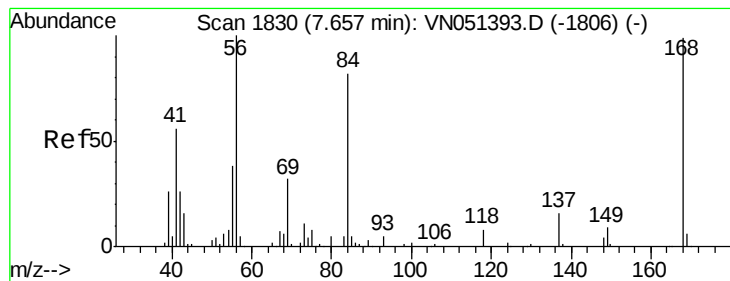
#30
Chloroform
Concen: 16.774 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 83 Resp: 184406
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 15.875 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

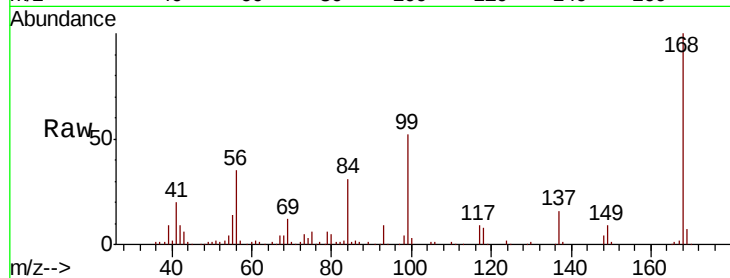
Tgt Ion: 56 Resp: 161370

Ion Ratio Lower Upper

56 100

69 36.0 25.8 38.6

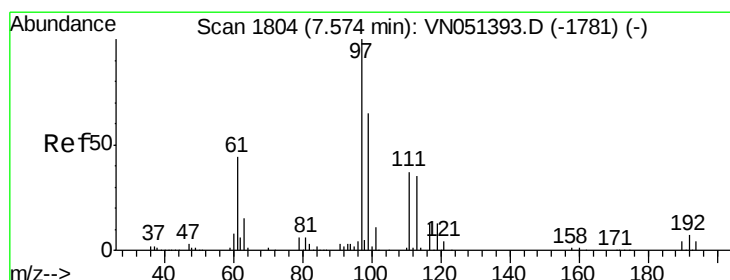
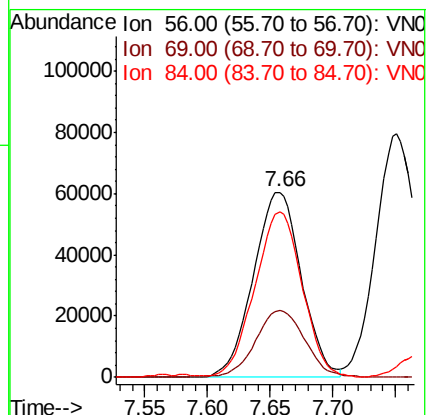
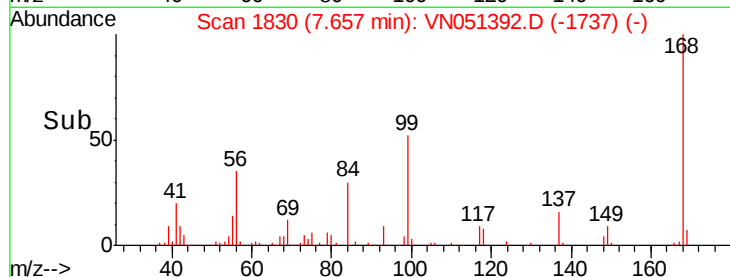
84 88.2 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VN051392.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051392.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051392.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 16.436 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

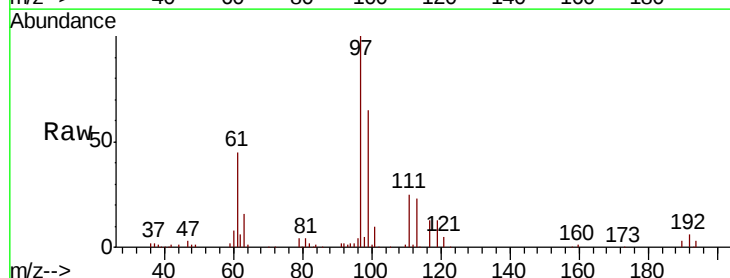
Tgt Ion: 97 Resp: 154471

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

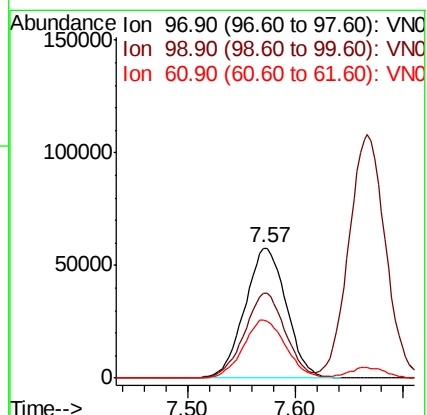
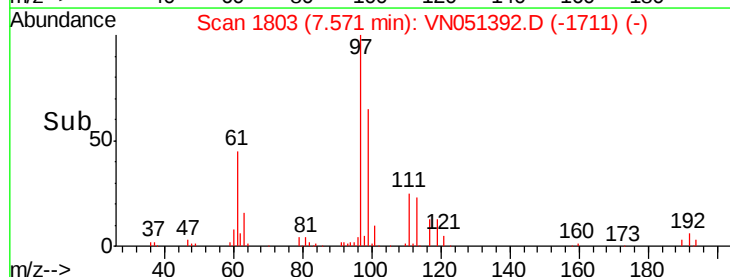
61 45.5 35.8 53.8

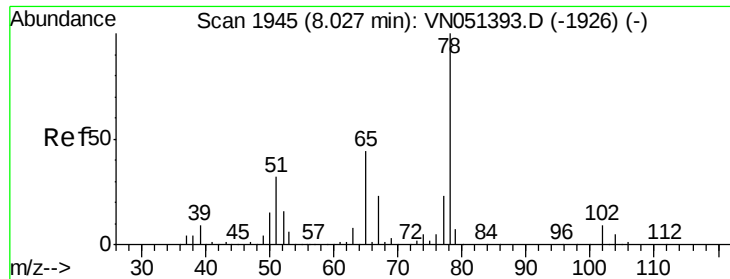


Abundance Ion 96.90 (96.60 to 97.60): VN051392.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051392.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051392.D (-1711) (-)

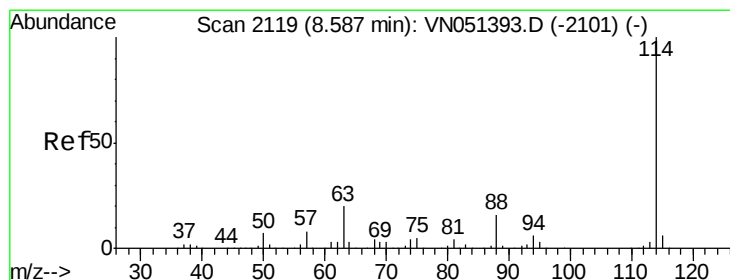
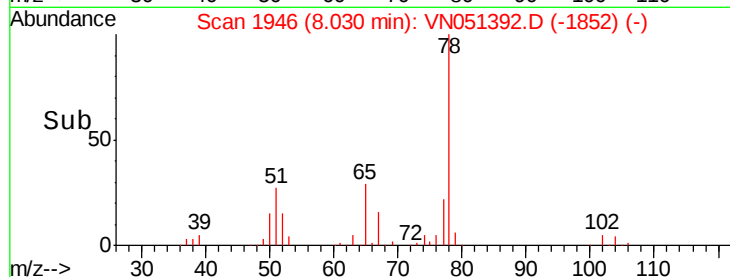
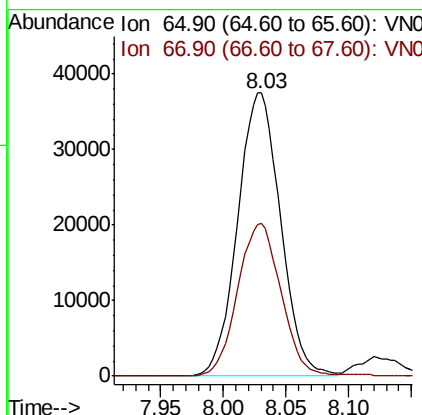
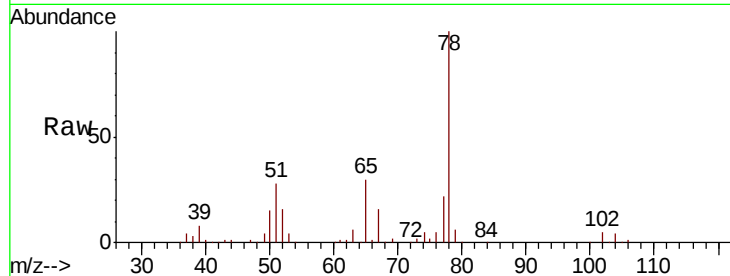




#33
 1,2-Dichloroethane-d4
 Concen: 13.827 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

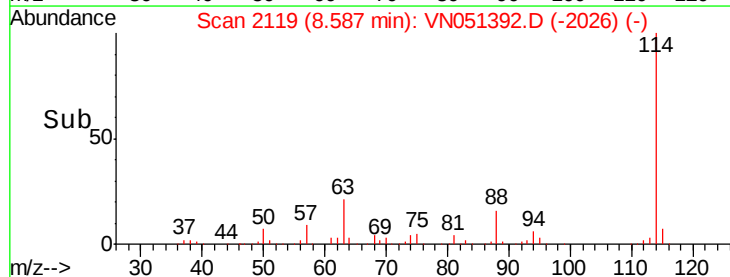
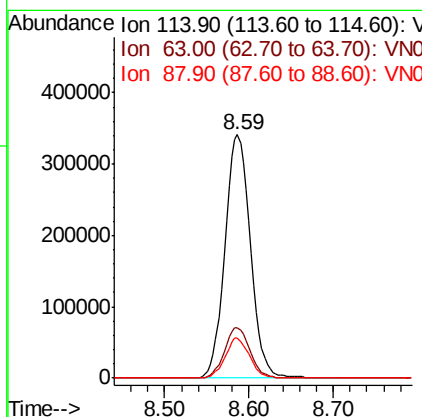
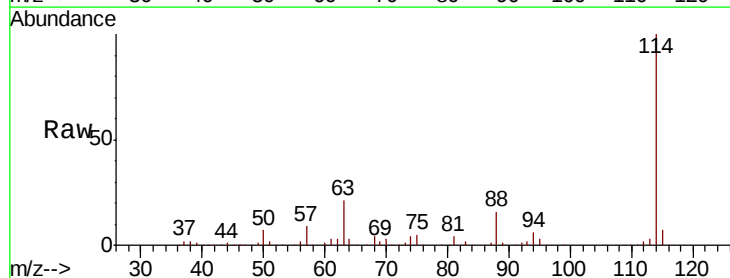
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

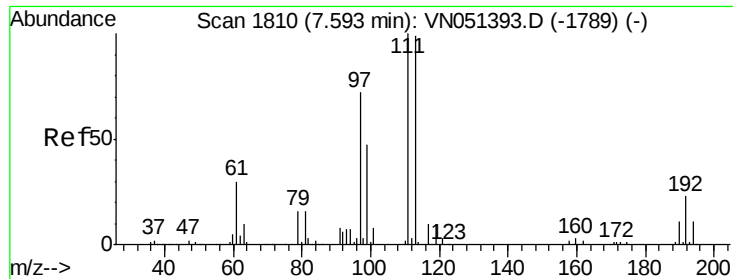
Tgt Ion: 65 Resp: 89258
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 114 Resp: 718660
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 16.4 0.0 31.4

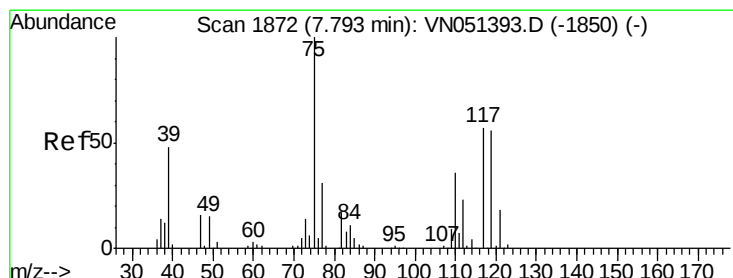
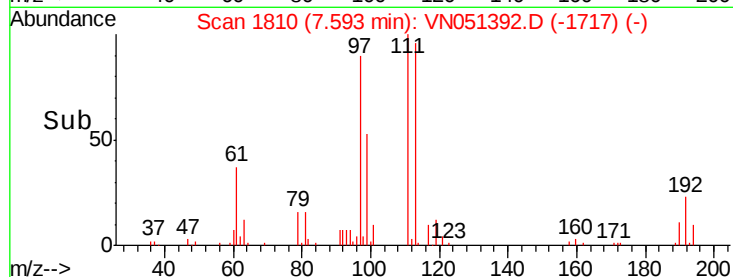
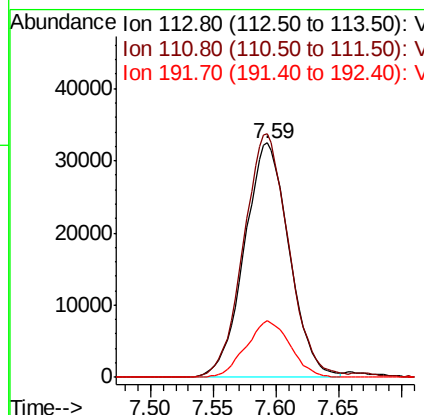
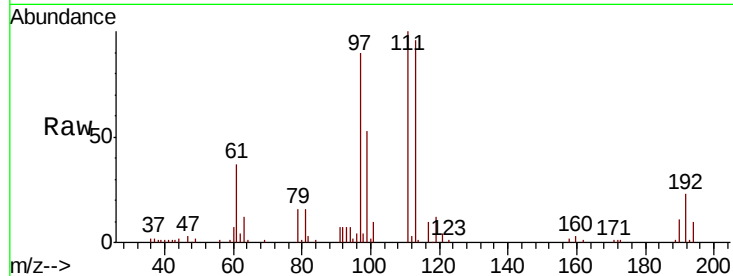




#35
 Dibromofluoromethane
 Concen: 14.077 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

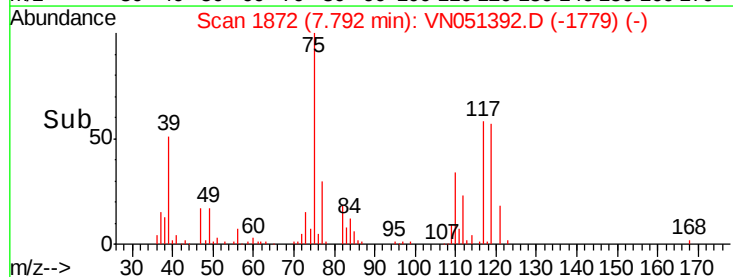
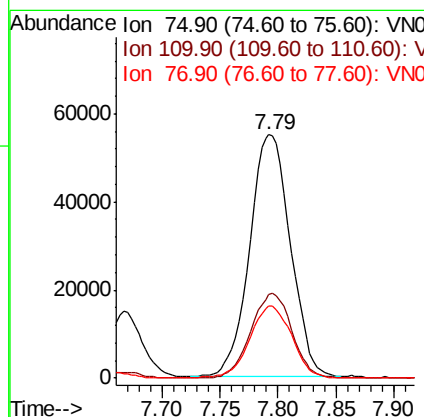
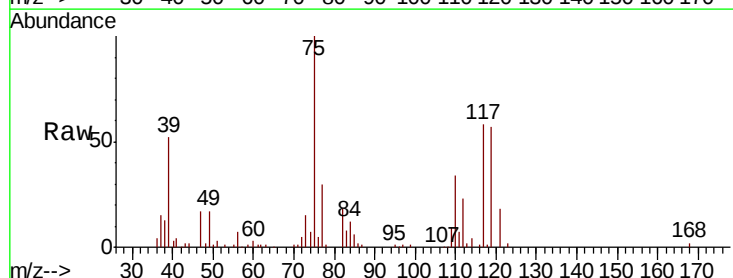
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

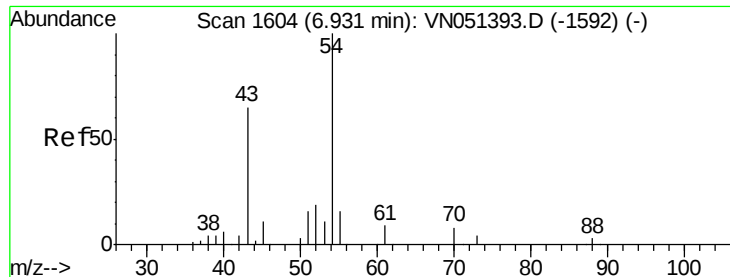
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	23.7	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 16.200 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.3
77	30.7	25.6	38.4

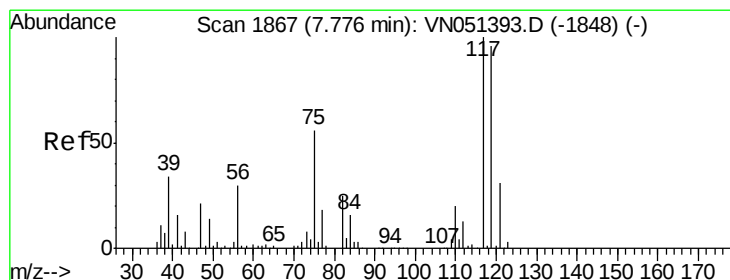
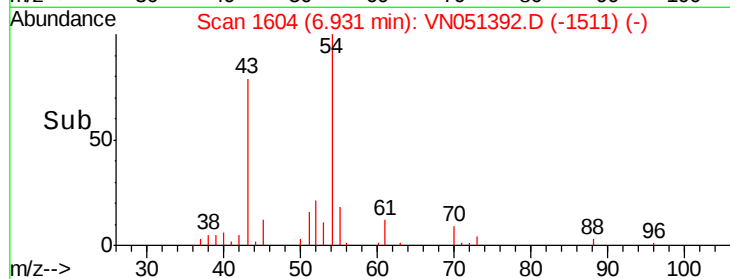
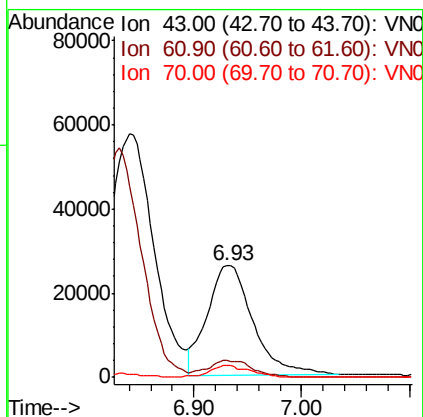
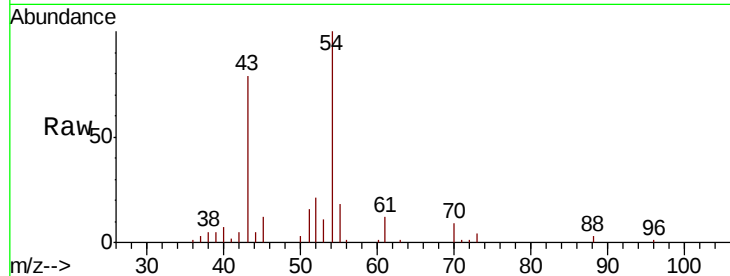




#37
Ethyl Acetate
Concen: 16.004 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

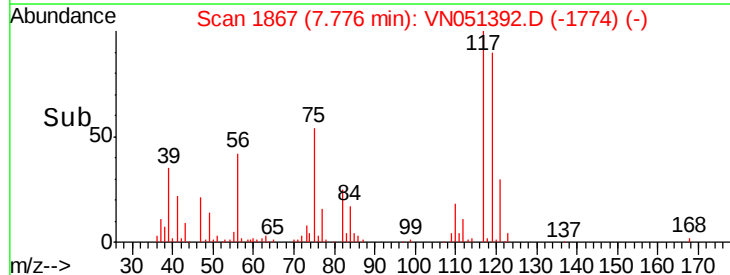
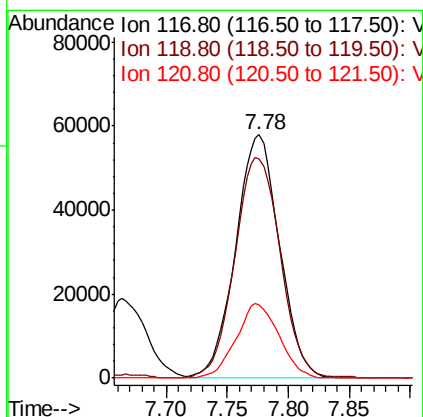
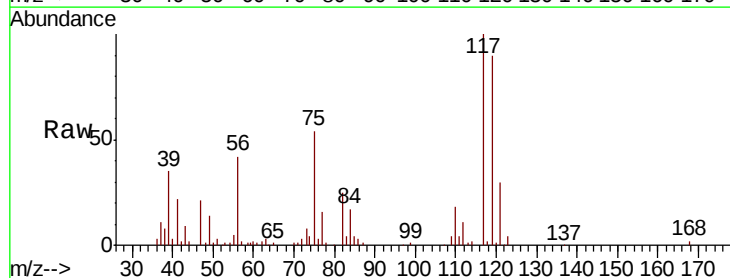
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

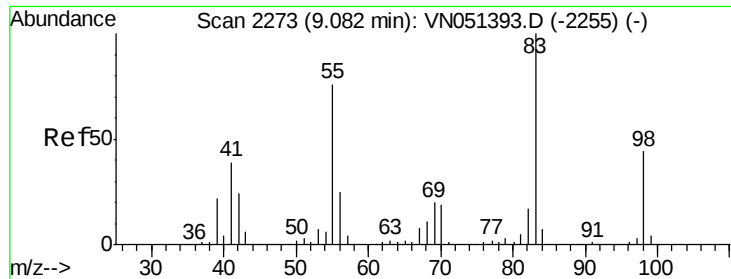
Tgt Ion: 43 Resp: 76579
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 16.542 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 117 Resp: 143994
Ion Ratio Lower Upper
117 100
119 89.8 76.9 115.3
121 29.9 24.6 37.0

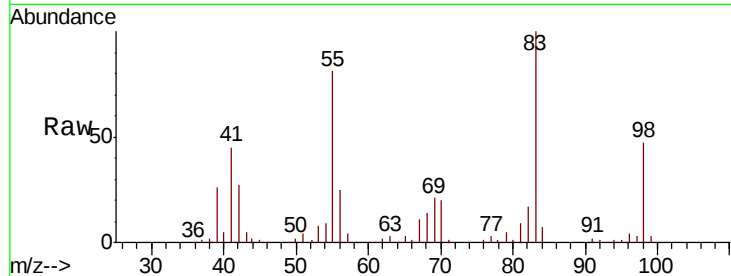




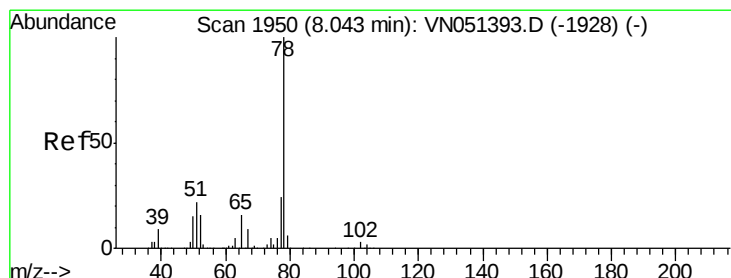
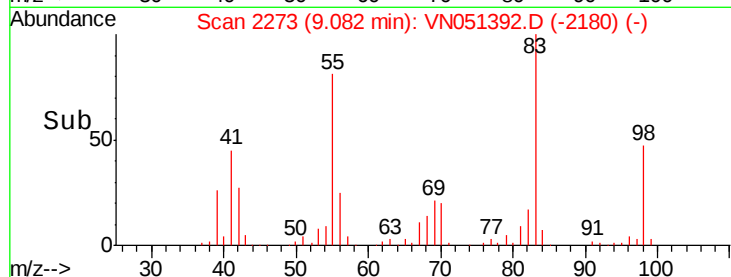
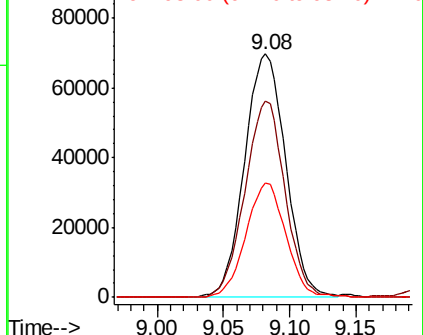
#39
Methylcyclohexane
Concen: 15.477 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 150571
Ion Ratio Lower Upper
83 100
55 80.9 61.0 91.4
98 47.1 35.6 53.4

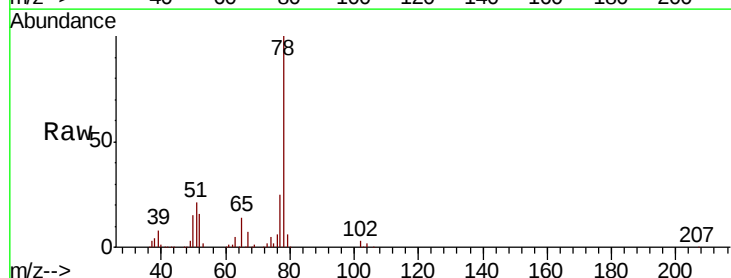


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

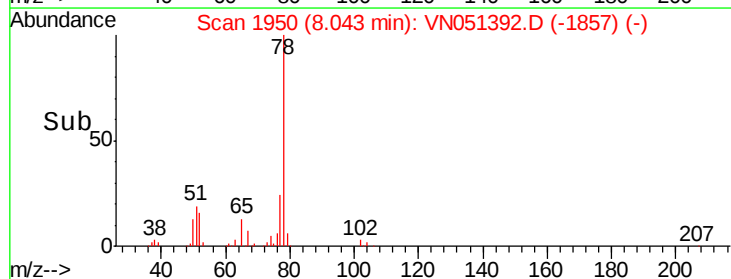
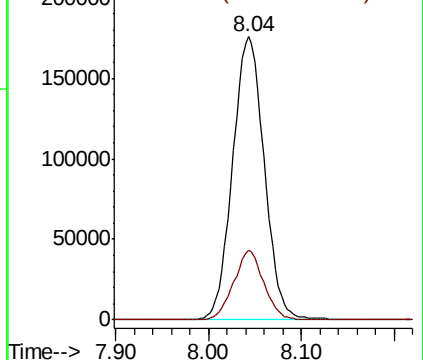


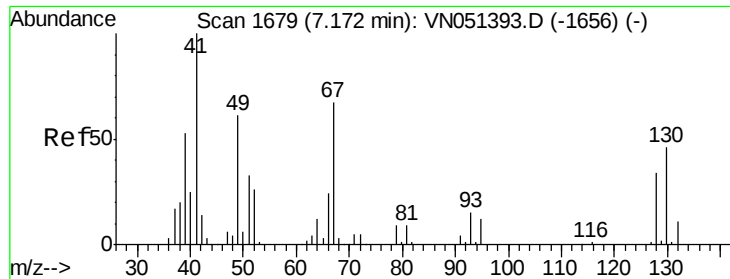
#40
Benzene
Concen: 17.035 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 78 Resp: 416266
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 14.432 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 38205

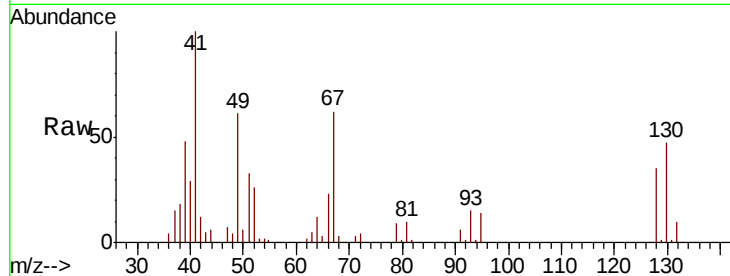
Ion Ratio Lower Upper

41 100

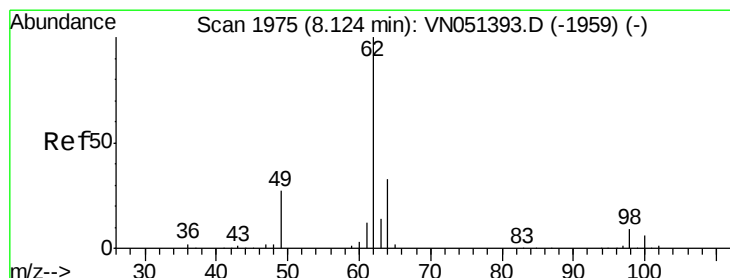
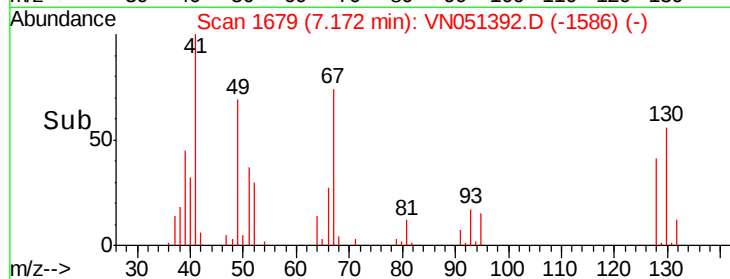
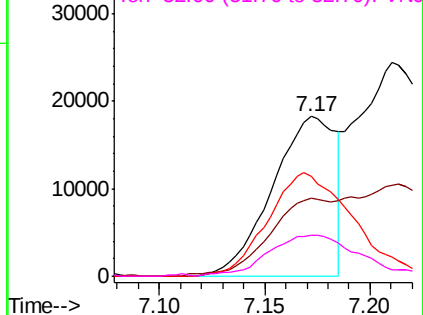
39 46.8 51.4 77.2#

67 87.9 66.8 100.2

52 37.2 27.7 41.5



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



#42

1,2-Dichloroethane

Concen: 16.798 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051392.D

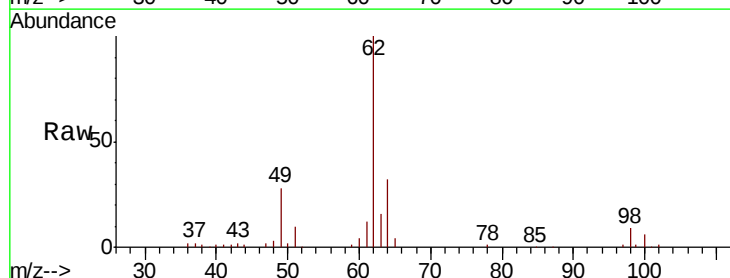
Acq: 22 Sep 2018 12:42

Tgt Ion: 62 Resp: 131432

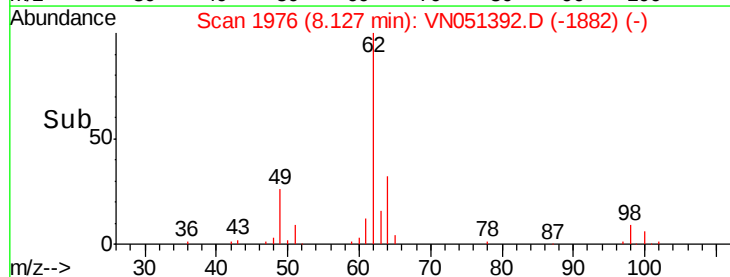
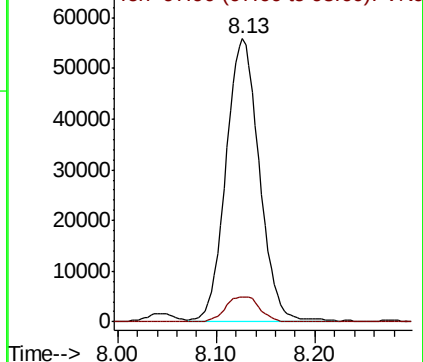
Ion Ratio Lower Upper

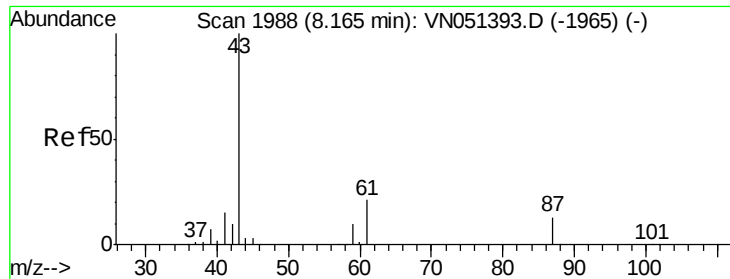
62 100

98 9.1 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 15.794 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

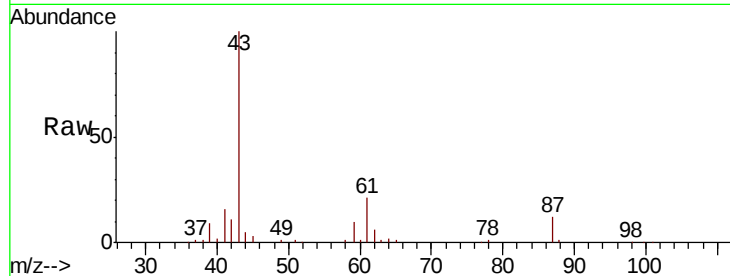
Tgt Ion: 43 Resp: 136658

Ion Ratio Lower Upper

43 100

61 20.2 16.8 25.2

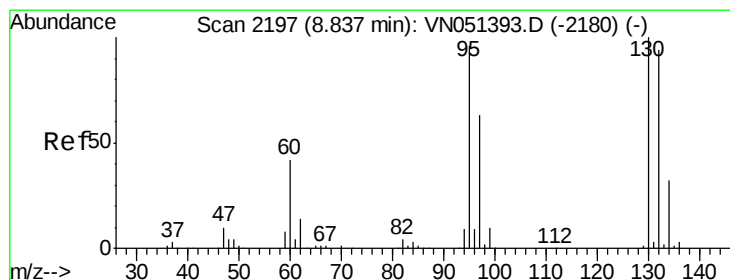
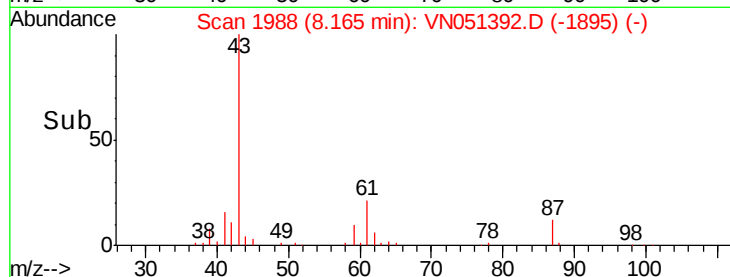
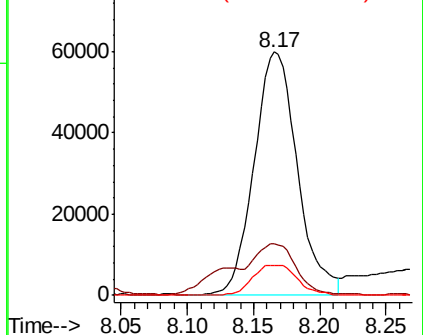
87 13.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051392.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051392.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051392.D (-1965) (-)



#44

Trichloroethene

Concen: 16.511 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051392.D

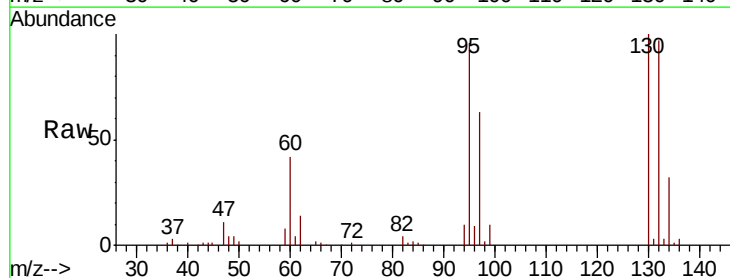
Acq: 22 Sep 2018 12:42

Tgt Ion: 130 Resp: 107161

Ion Ratio Lower Upper

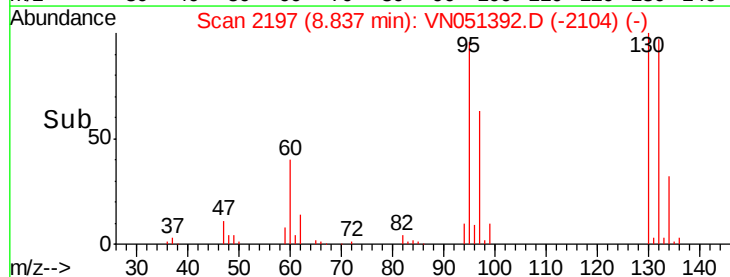
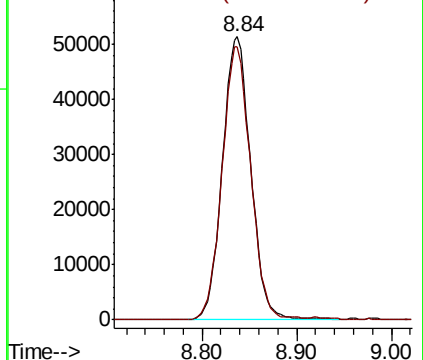
130 100

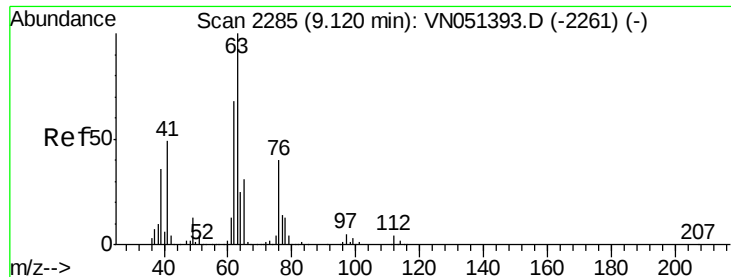
95 96.5 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051392.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051392.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 16.778 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

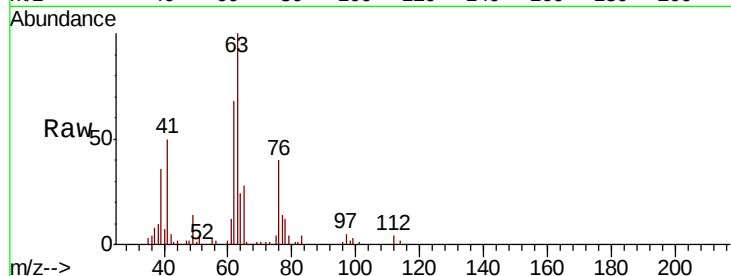
VSTDIC020

Tgt Ion: 63 Resp: 111447

Ion Ratio Lower Upper

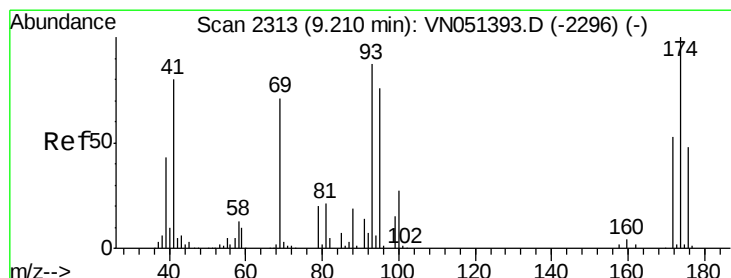
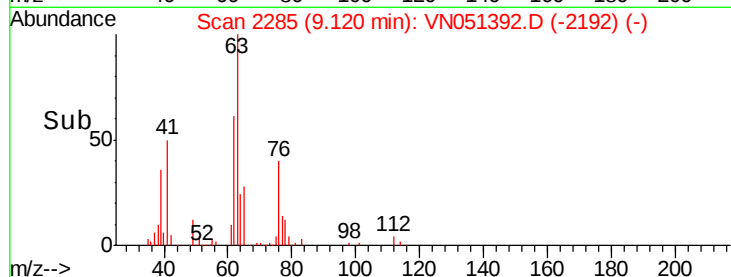
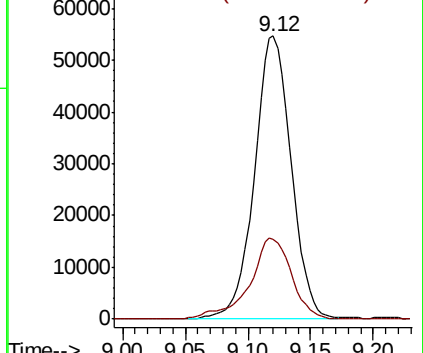
63 100

65 28.4 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 16.751 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

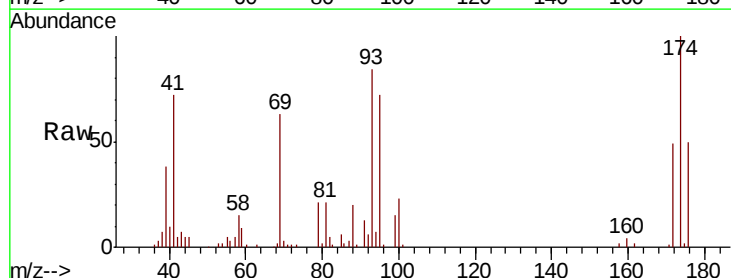
Tgt Ion: 93 Resp: 62867

Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

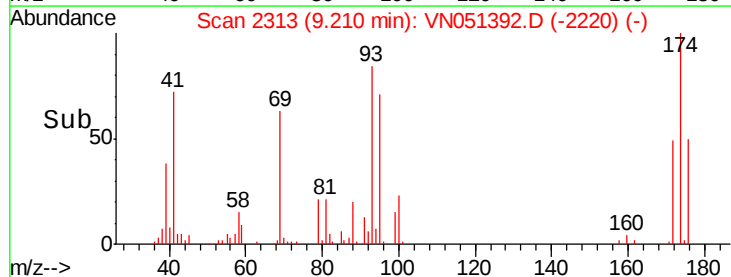
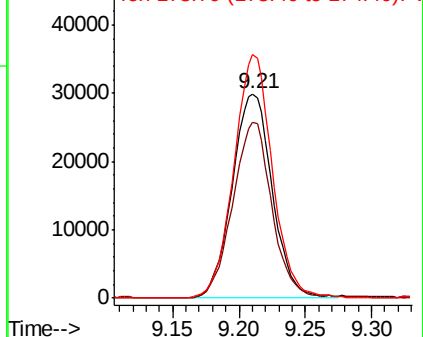
174 114.4 89.6 134.4

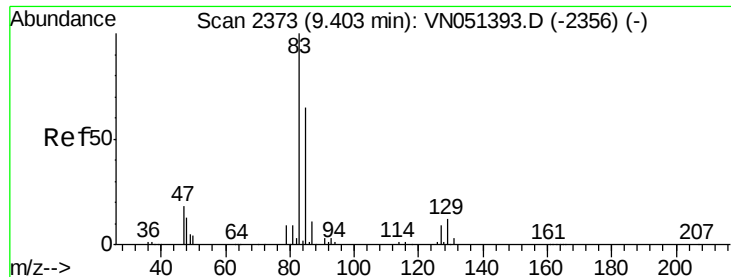


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 17.023 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

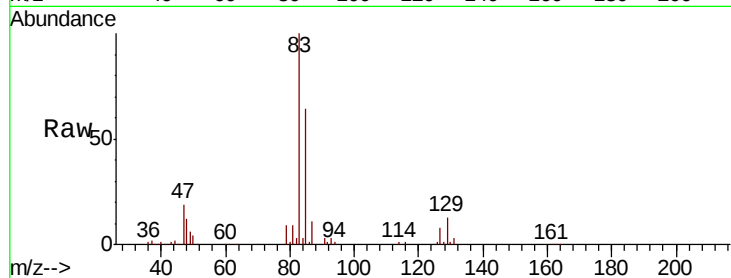
Tgt Ion: 83 Resp: 141382

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6

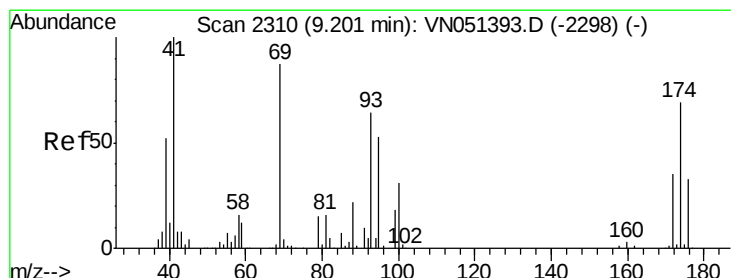
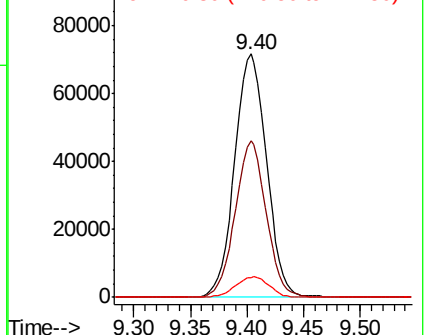
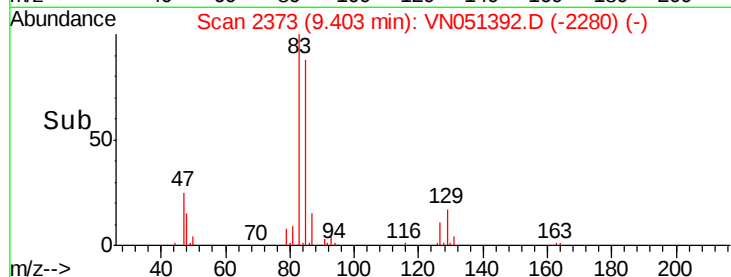
127 8.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN051392.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051392.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051392.D (-2280) (-)



#48

Methyl methacrylate

Concen: 15.975 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

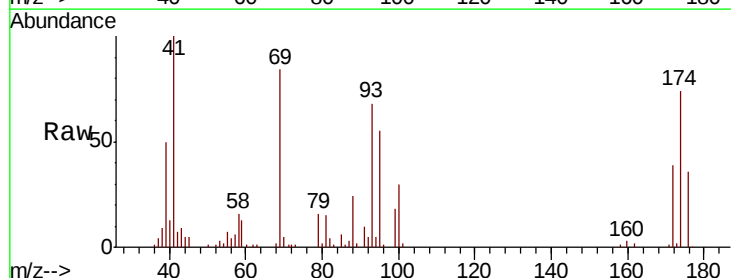
Tgt Ion: 41 Resp: 68915

Ion Ratio Lower Upper

41 100

69 87.2 70.4 105.6

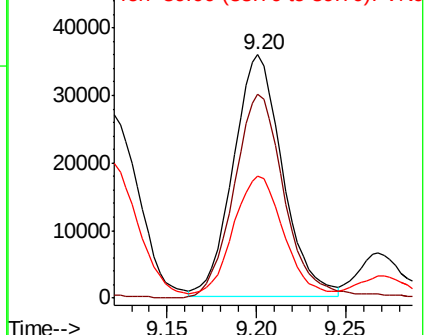
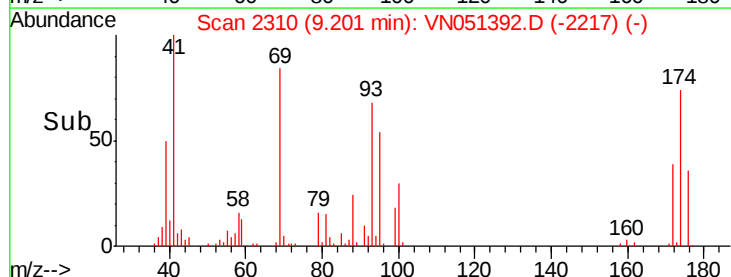
39 51.1 43.8 65.8

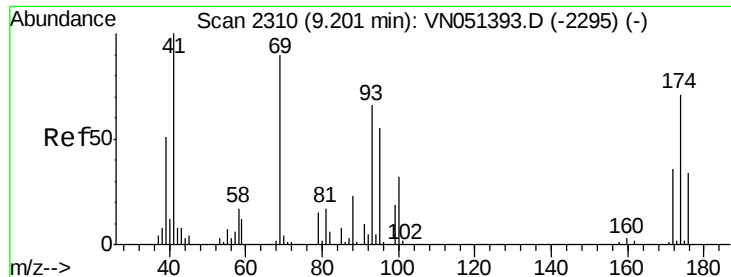


Abundance Ion 41.00 (40.70 to 41.70): VN051392.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051392.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051392.D (-2217) (-)





#49

1,4-Dioxane

Concen: 341.242 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

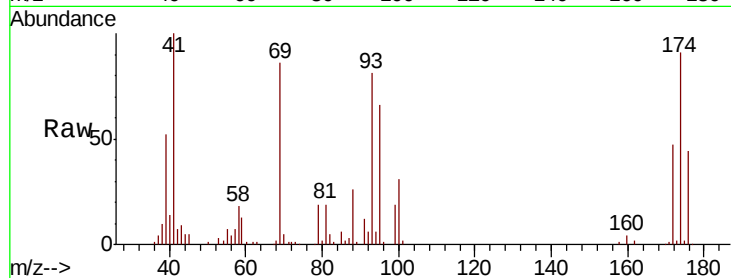
Tgt Ion: 88 Resp: 18041

Ion Ratio Lower Upper

88 100

43 29.3 25.9 38.9

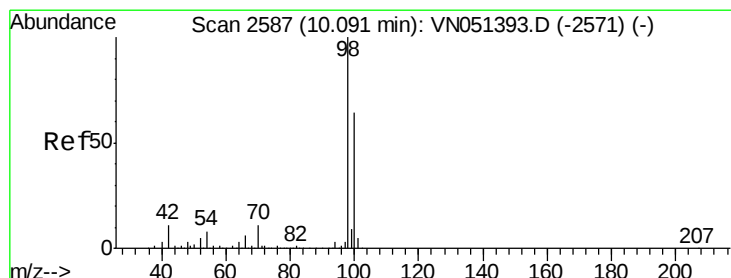
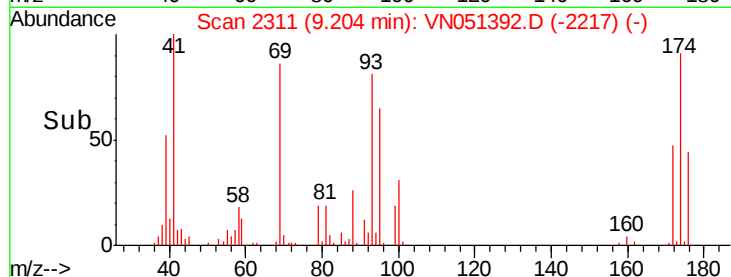
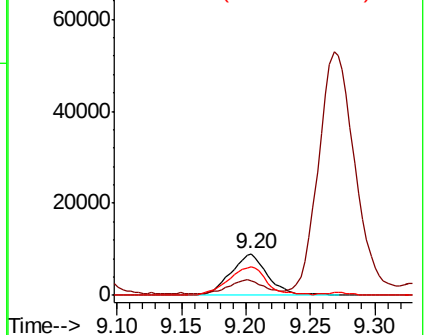
58 71.5 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VN051393.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051393.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2295) (-)



#50

Toluene-d8

Concen: 14.108 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051392.D

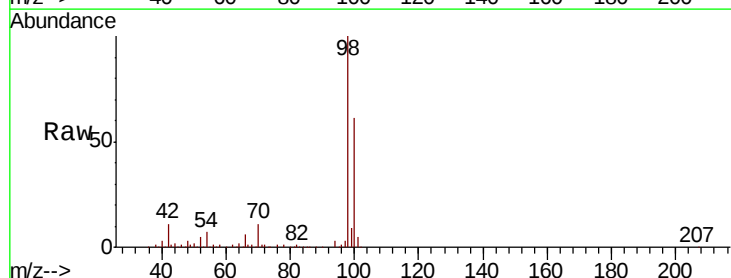
Acq: 22 Sep 2018 12:42

Tgt Ion: 98 Resp: 305295

Ion Ratio Lower Upper

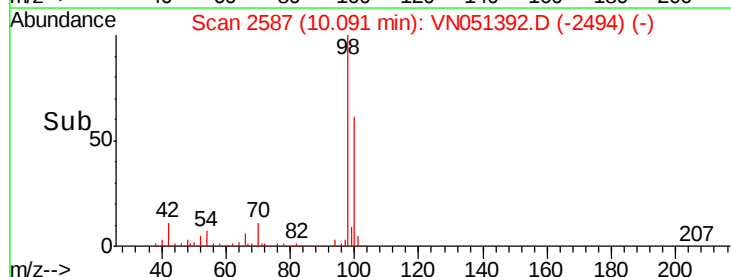
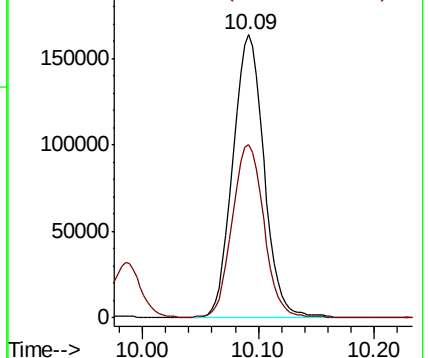
98 100

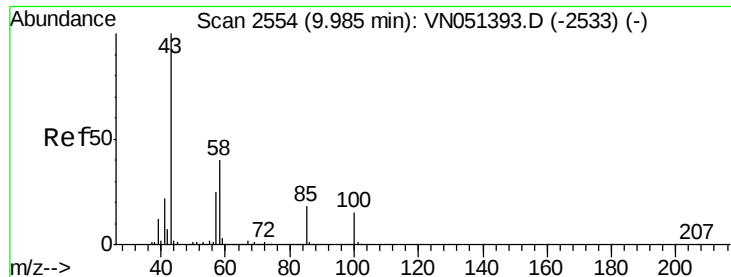
100 62.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN051393.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN051393.D (-2571) (-)

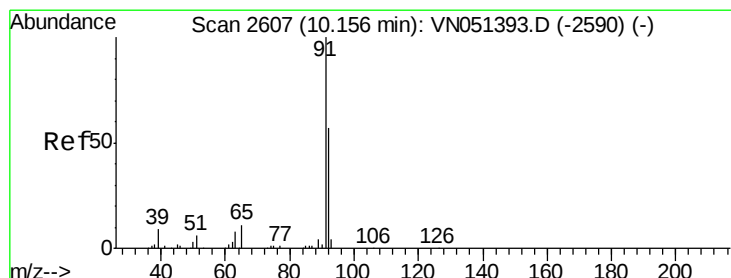
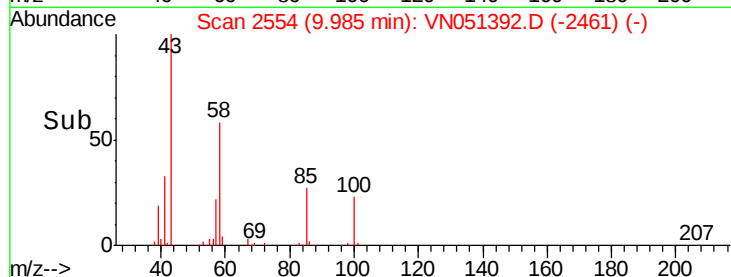
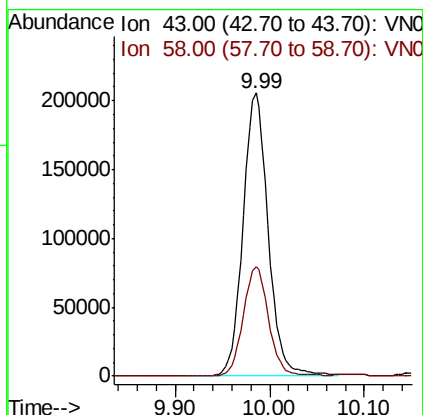
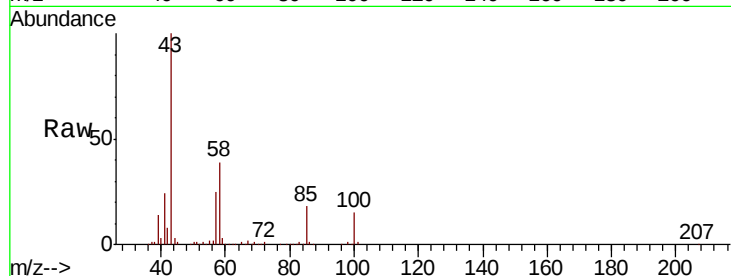




#51
 4-Methyl-2-Pentanone
 Concen: 79.616 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

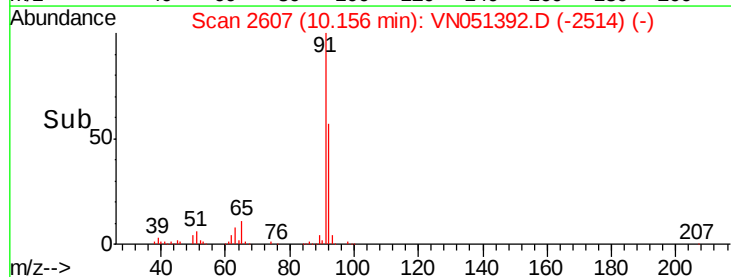
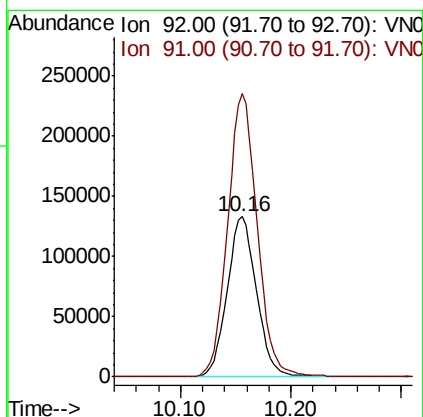
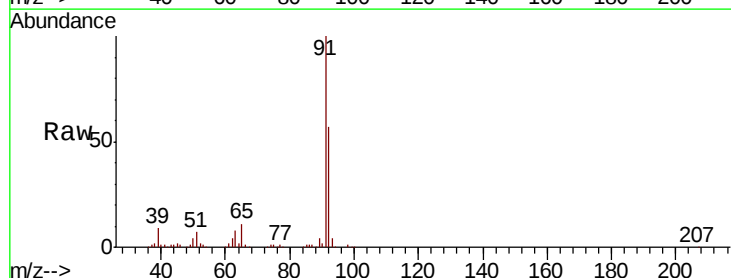
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

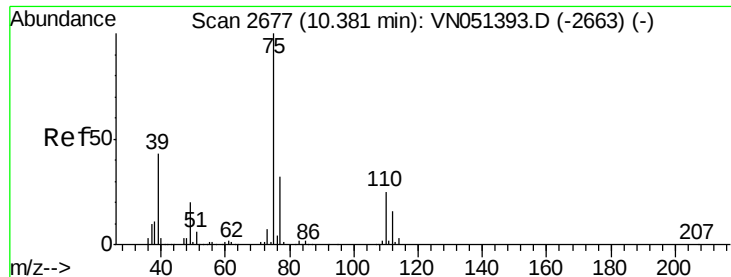
Tgt Ion: 43 Resp: 378857
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.5 47.3



#52
 Toluene
 Concen: 16.208 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 92 Resp: 246139
 Ion Ratio Lower Upper
 92 100
 91 177.5 142.2 213.4





#53

t-1,3-Dichloropropene

Concen: 15.660 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

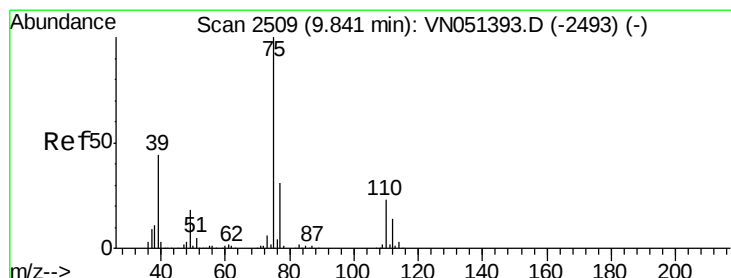
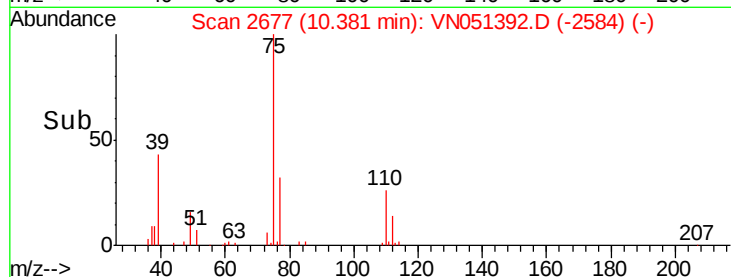
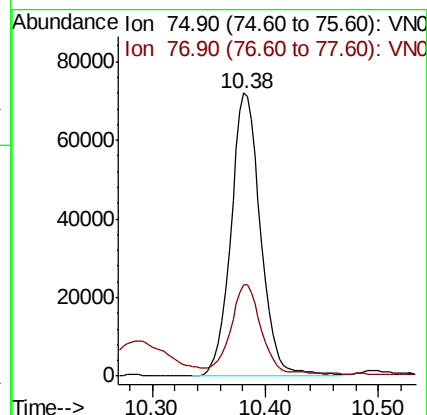
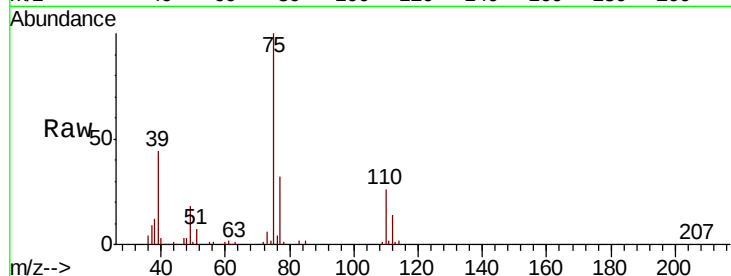
VSTDIC020

Tgt Ion: 75 Resp: 131314

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 16.392 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

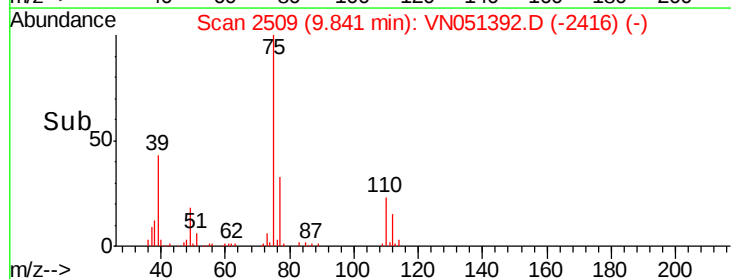
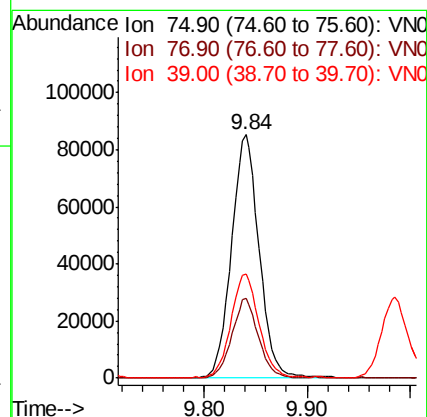
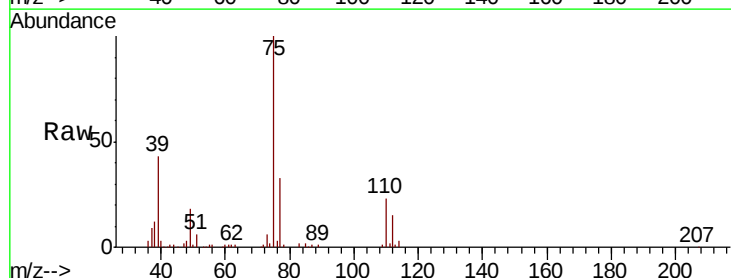
Tgt Ion: 75 Resp: 159396

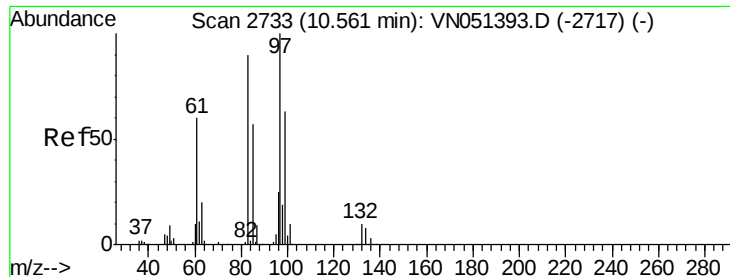
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 42.6 35.4 53.2

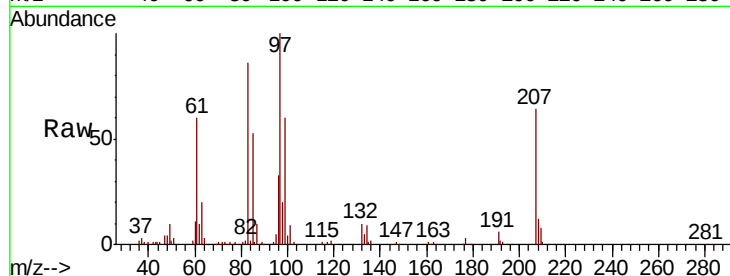




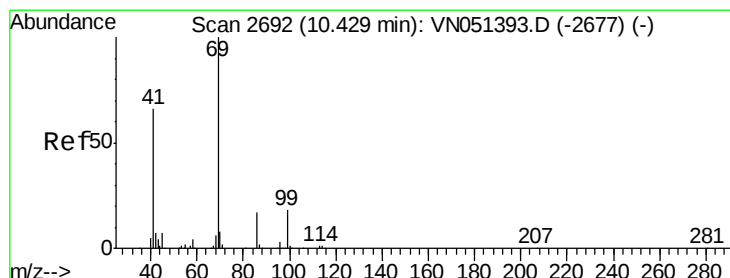
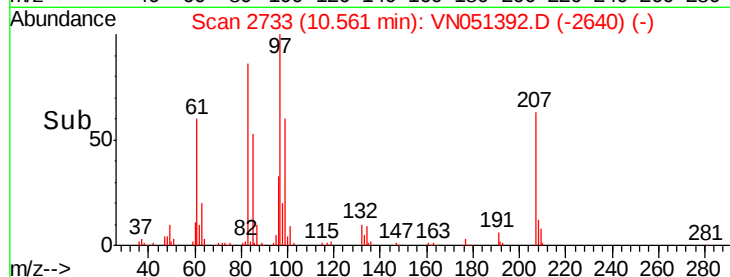
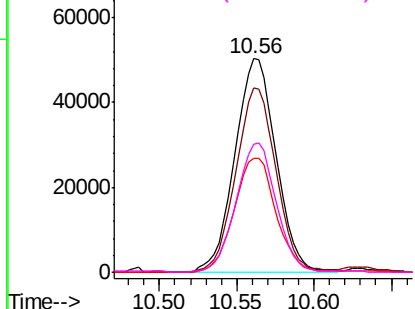
#55
 1,1,2-Trichloroethane
 Concen: 17.346 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	93097
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.0	108.0
85	53.5	45.2	67.8
99	59.7	50.7	76.1

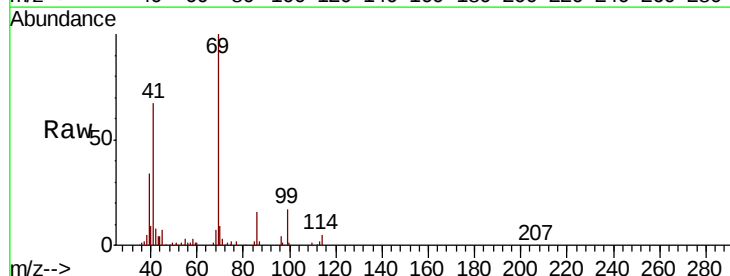


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

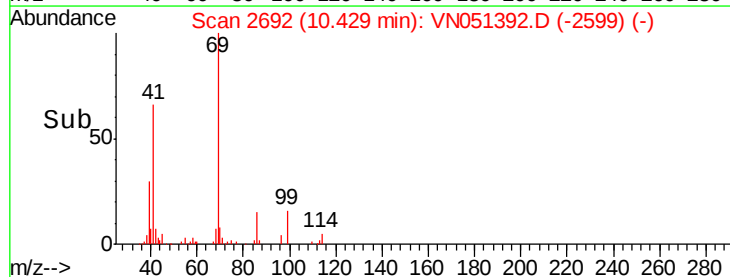
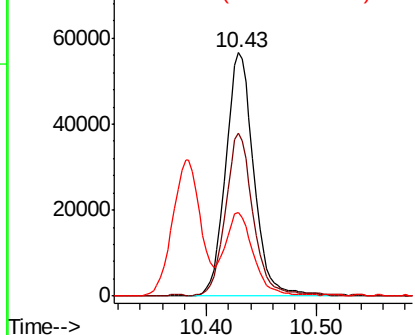


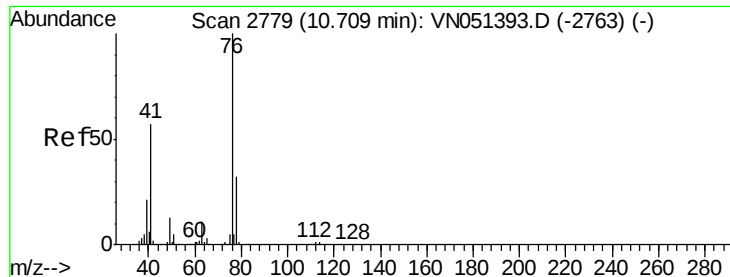
#56
 Ethyl methacrylate
 Concen: 15.278 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion:	69	Resp:	100252
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.4	78.6
39	34.9	26.3	39.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 16.670 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

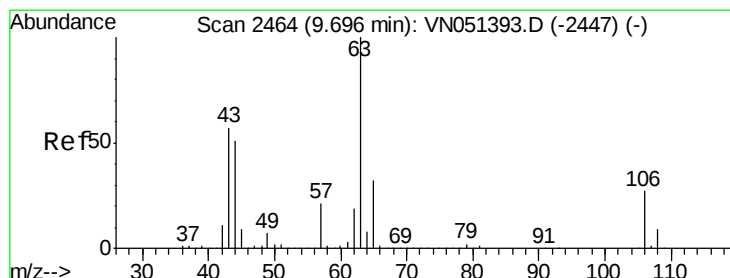
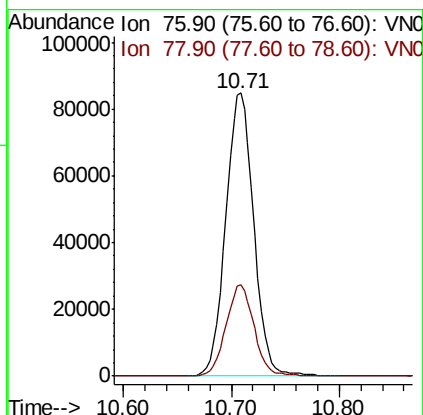
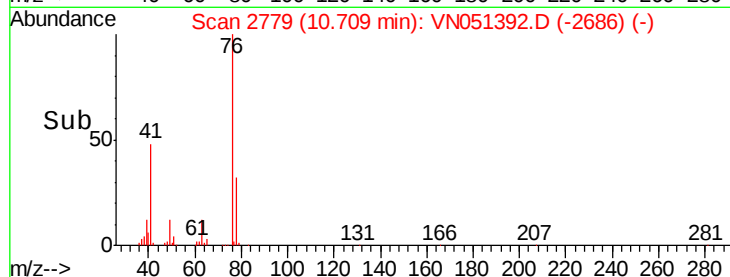
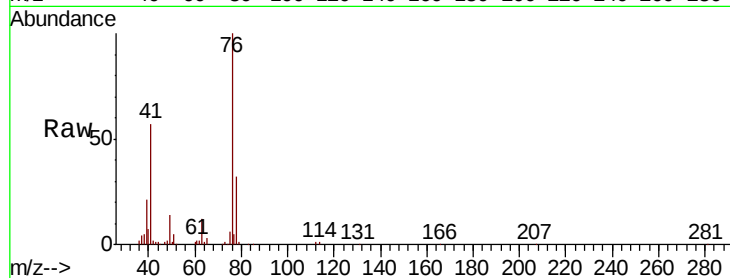
VSTDIC020

Tgt Ion: 76 Resp: 153343

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 92.120 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051392.D

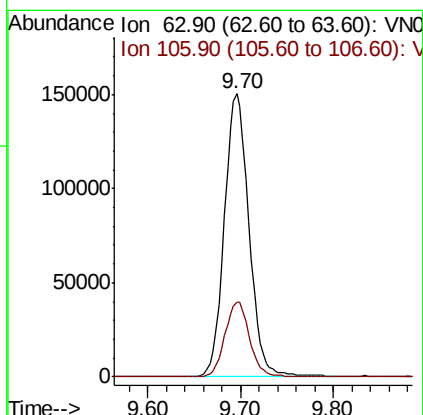
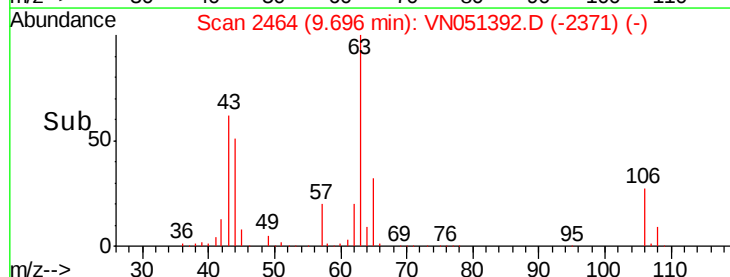
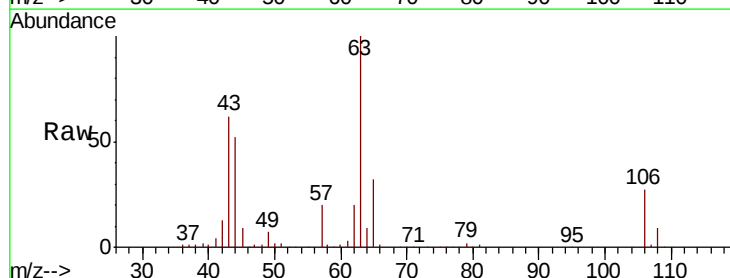
Acq: 22 Sep 2018 12:42

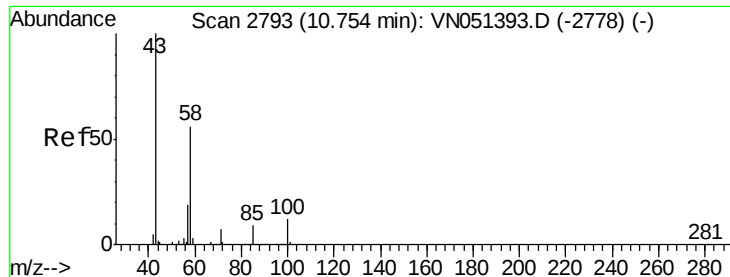
Tgt Ion: 63 Resp: 277394

Ion Ratio Lower Upper

63 100

106 26.3 21.4 32.2

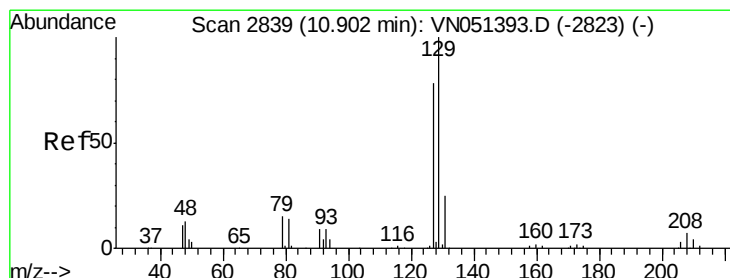
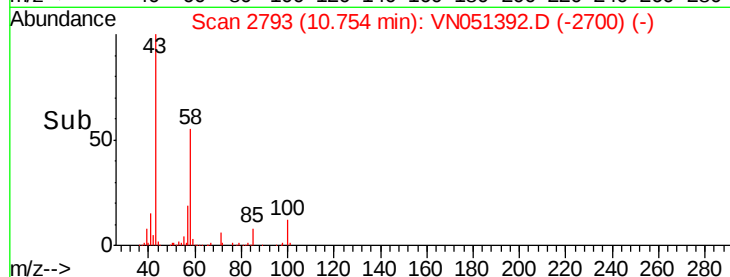
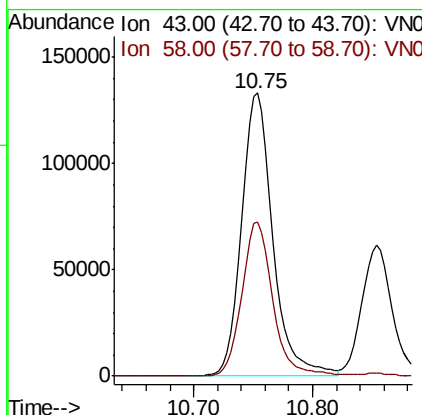
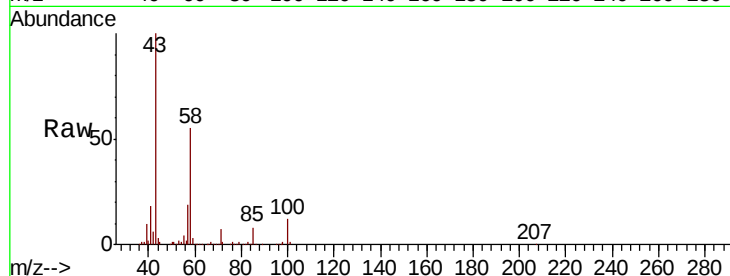




#59
2-Hexanone
Concen: 78.203 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

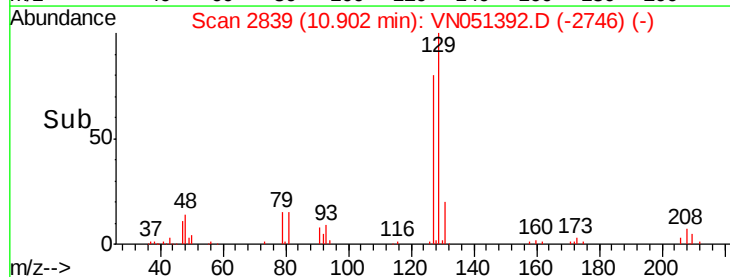
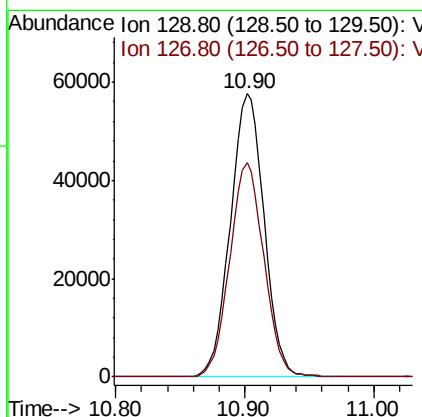
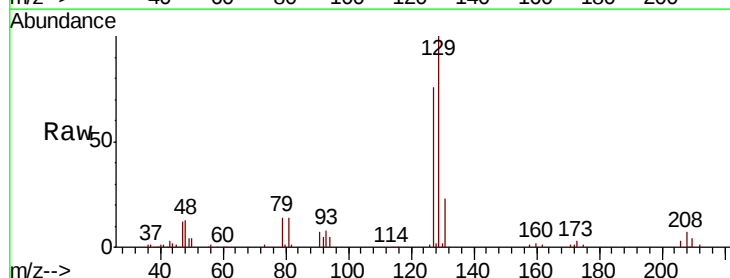
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

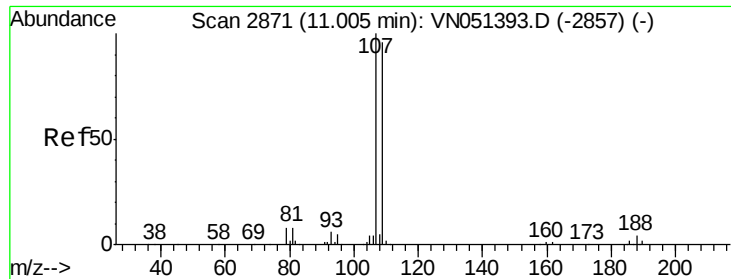
Tgt Ion: 43 Resp: 241241
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0



#60
Dibromochloromethane
Concen: 16.541 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 129 Resp: 104742
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0

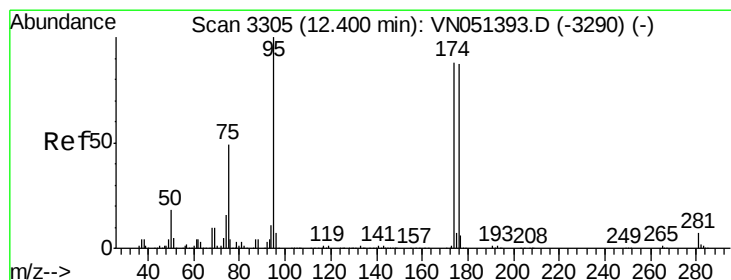
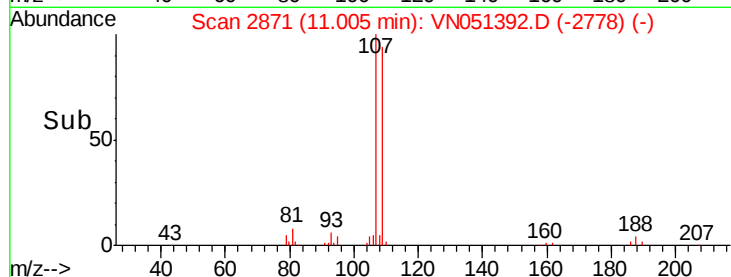
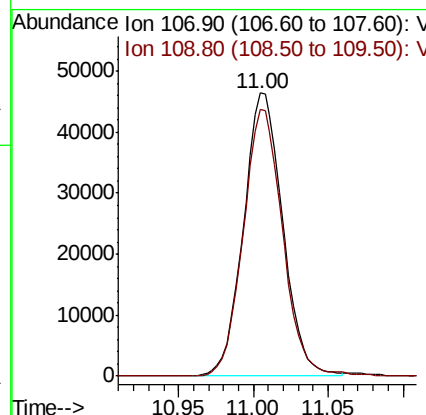
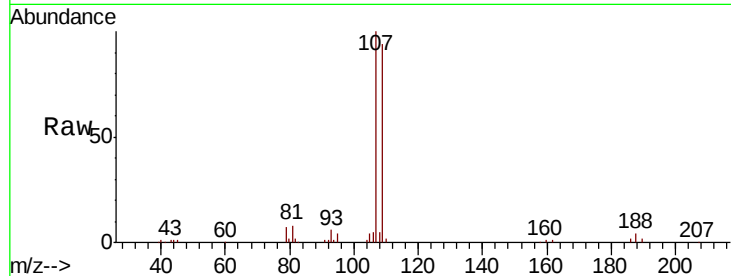




#61
 1,2-Dibromoethane
 Concen: 16.261 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

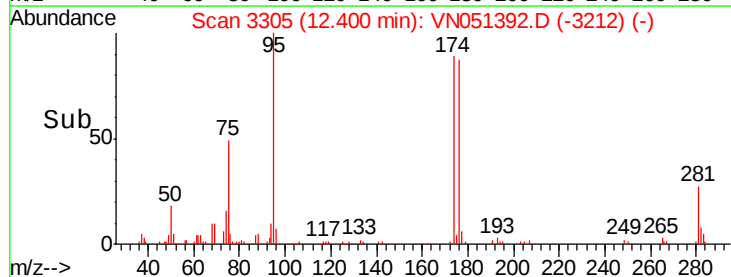
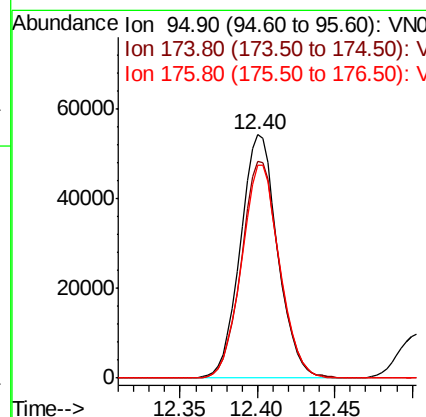
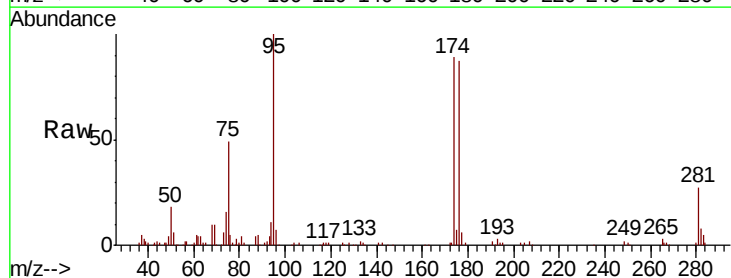
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

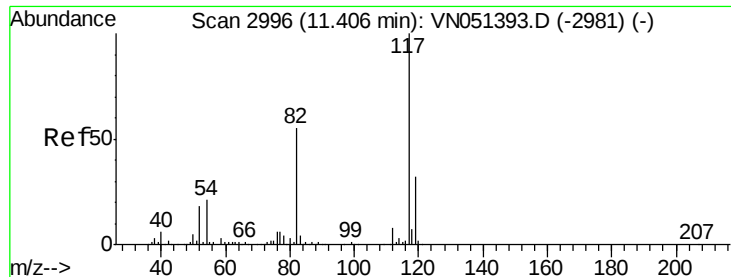
Tgt Ion: 107 Resp: 84720
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 12.939 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 95 Resp: 90579
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 181.6
 176 89.5 0.0 176.4

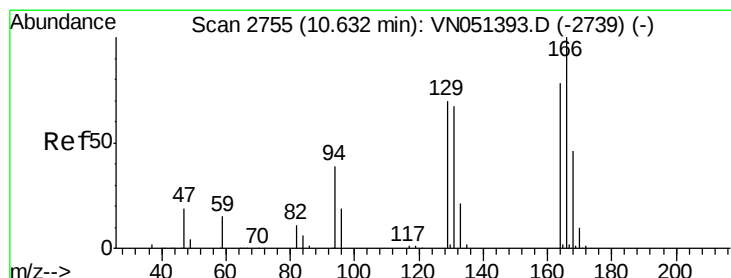
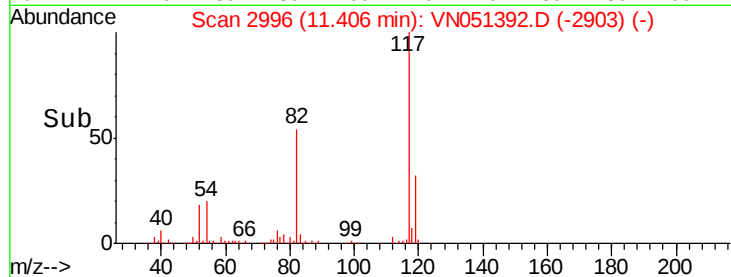
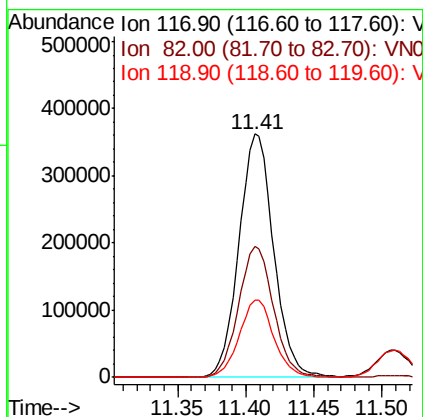
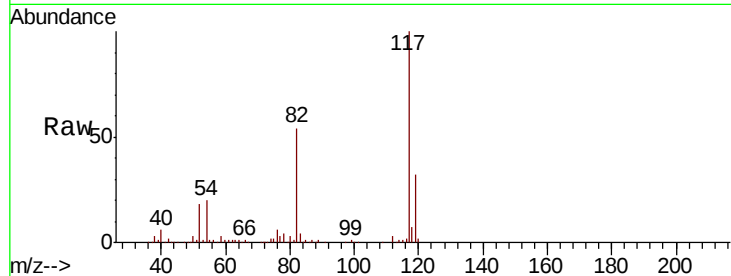




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

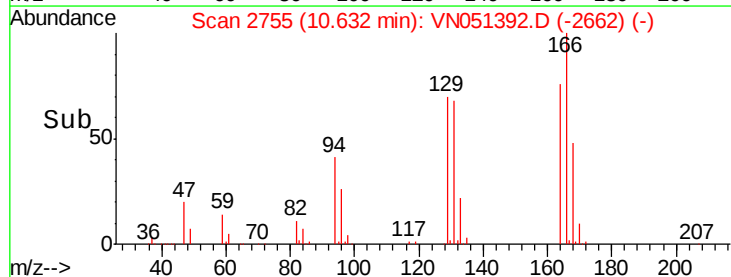
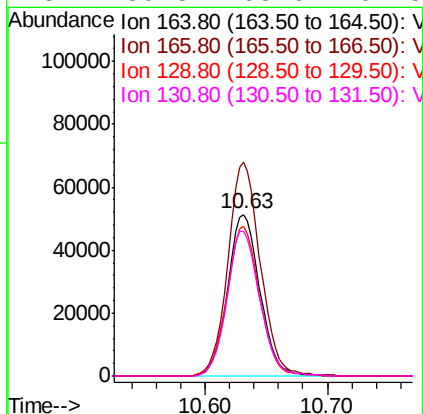
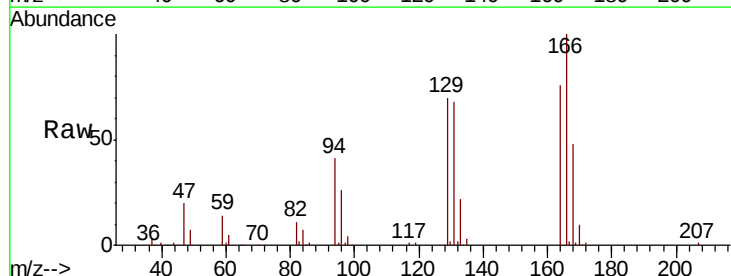
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

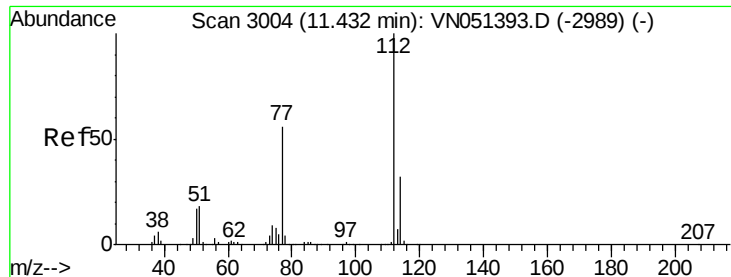
Tgt Ion:117 Resp: 641039
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.8 25.9 38.9



#64
Tetrachloroethene
Concen: 16.319 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion:164 Resp: 94941
Ion Ratio Lower Upper
164 100
166 132.3 102.3 153.5
129 92.5 71.8 107.8
131 89.8 68.6 102.8





#65

Chlorobenzene

Concen: 16.282 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

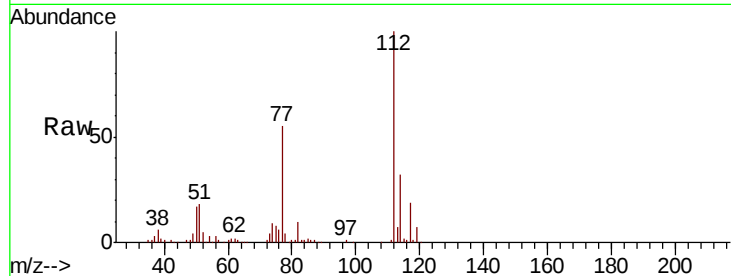
VSTDIC020

Tgt Ion:112 Resp: 267781

Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

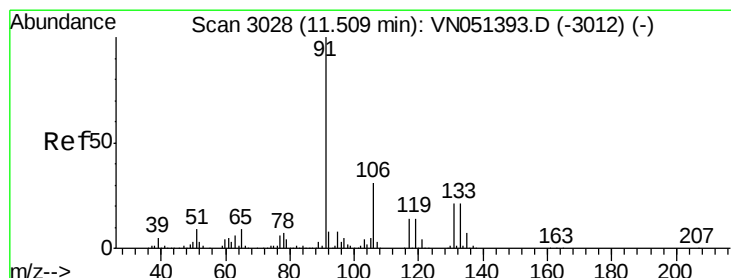
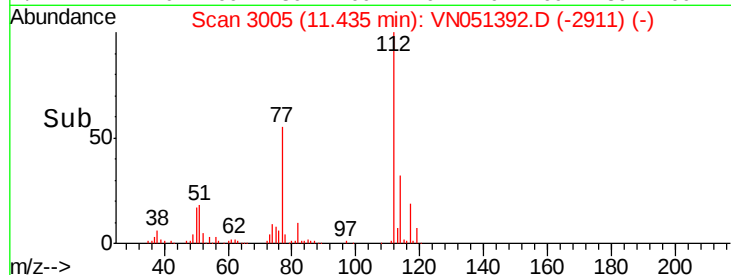
100000

50000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 16.745 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

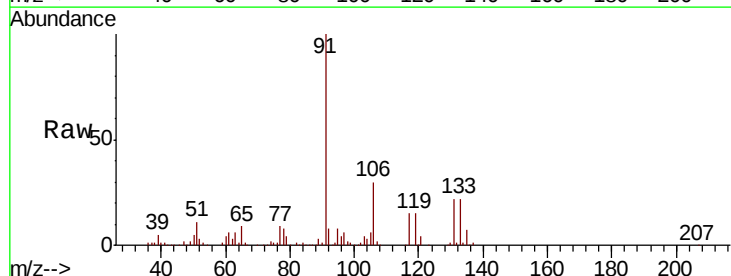
Tgt Ion:131 Resp: 104928

Ion Ratio Lower Upper

131 100

133 96.8 48.3 144.8

119 67.0 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

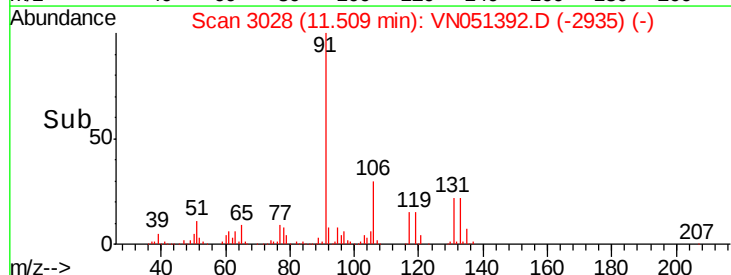
40000

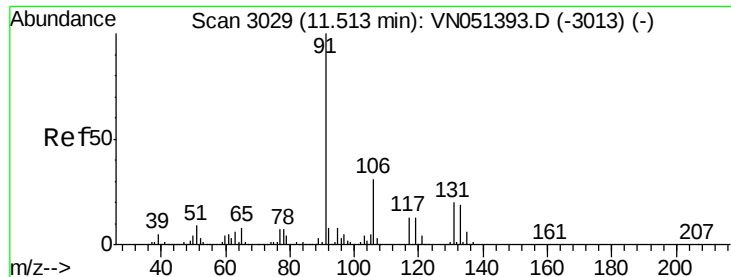
20000

0

11.45 11.50 11.55

Time-->

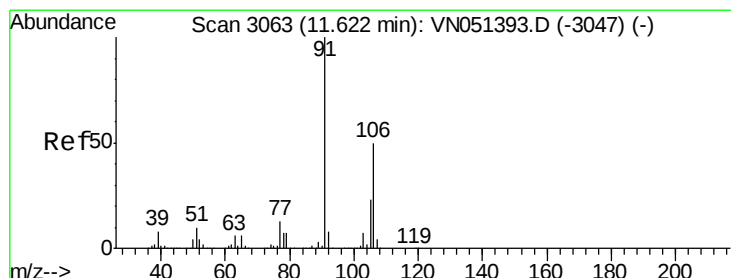
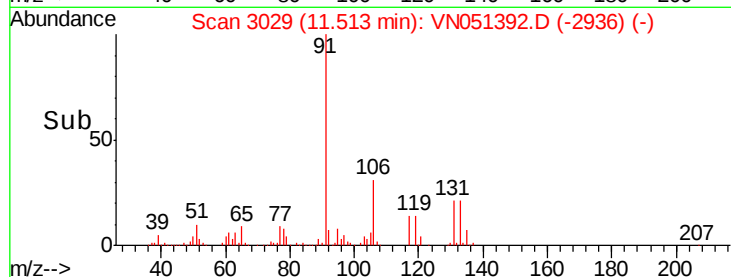
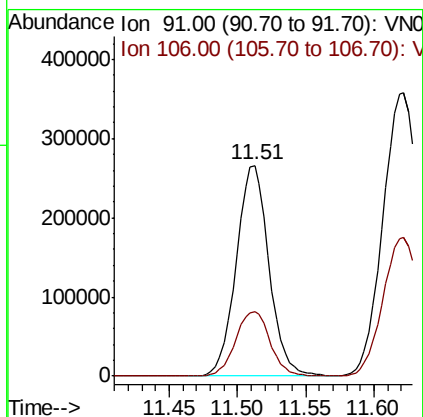
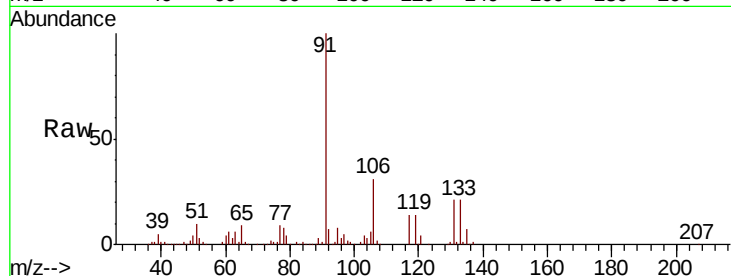




#67
Ethyl Benzene
Concen: 15.990 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

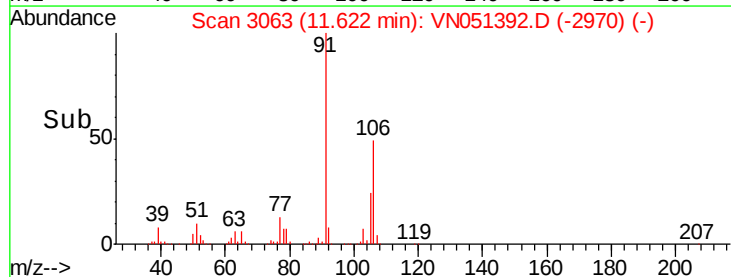
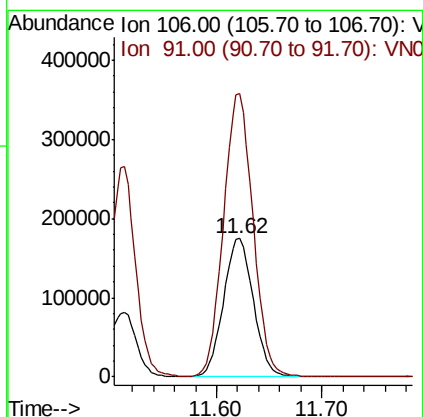
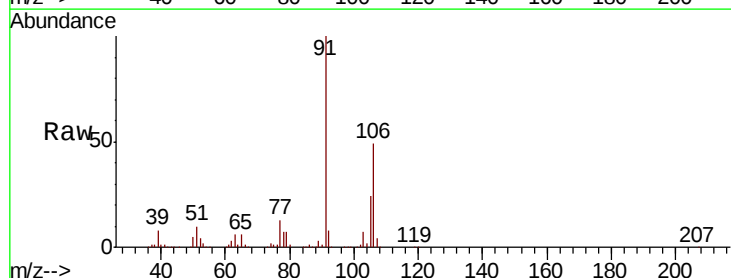
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

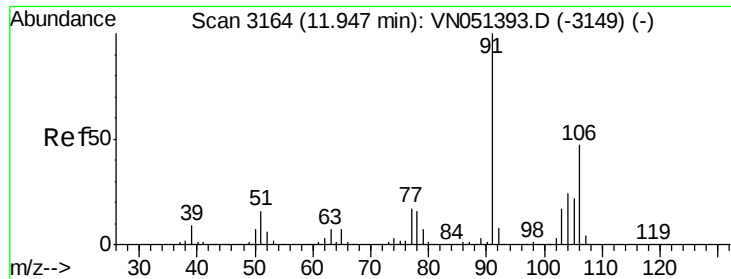
Tgt Ion: 91 Resp: 443212
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4



#68
m/p-Xylenes
Concen: 31.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 106 Resp: 343038
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9

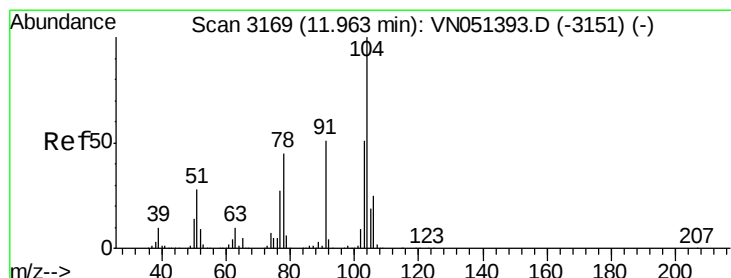
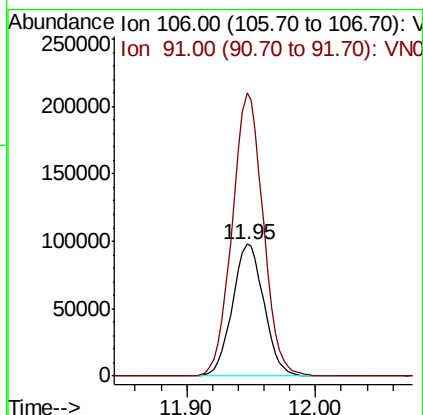
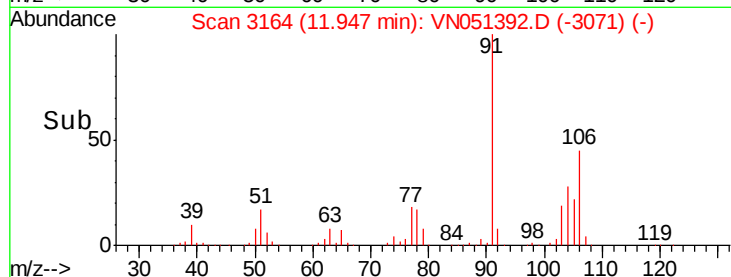
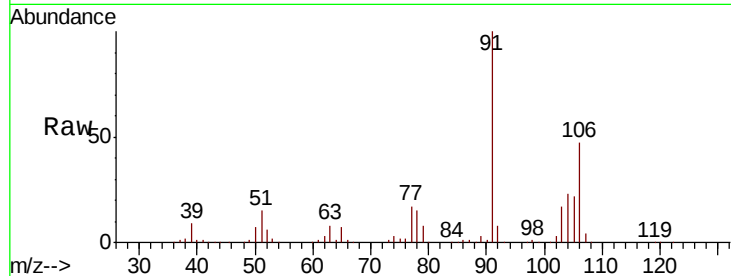




#69
o-Xylene
Concen: 16.145 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

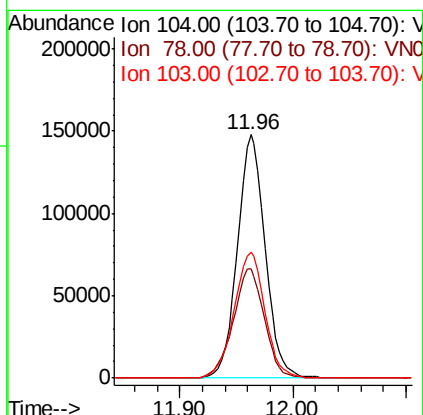
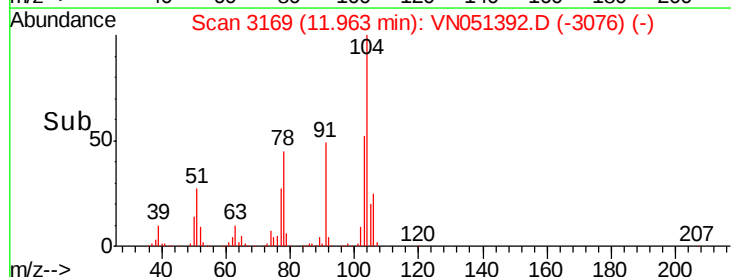
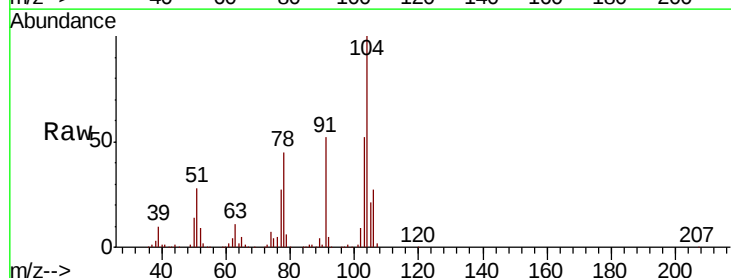
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

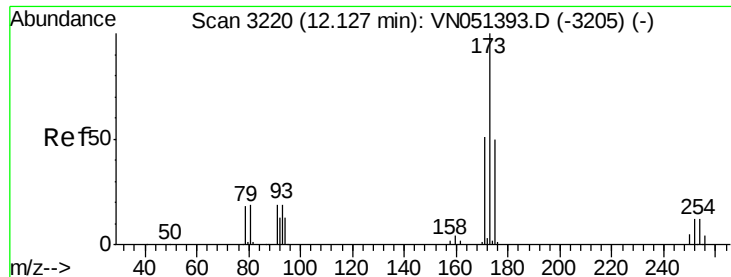
Tgt Ion:106 Resp: 166403
Ion Ratio Lower Upper
106 100
91 211.0 105.3 315.9



#70
Styrene
Concen: 15.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion:104 Resp: 253265
Ion Ratio Lower Upper
104 100
78 50.2 39.9 59.9
103 57.6 44.6 66.8





#71

Bromoform

Concen: 15.840 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

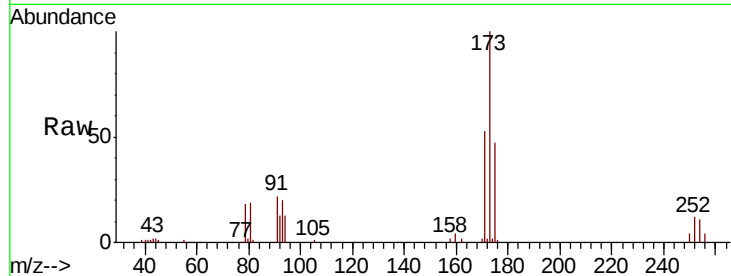
Tgt Ion:173 Resp: 67350

Ion Ratio Lower Upper

173 100

175 48.3 24.8 74.3

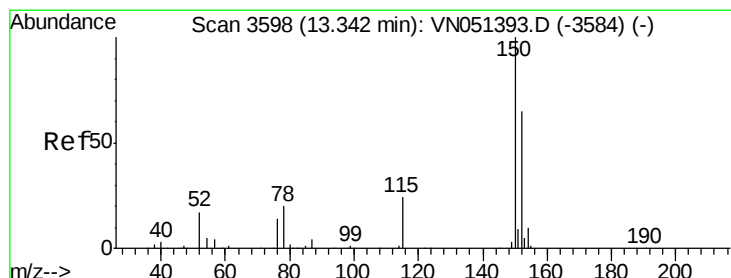
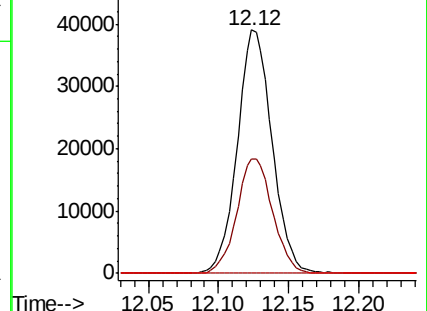
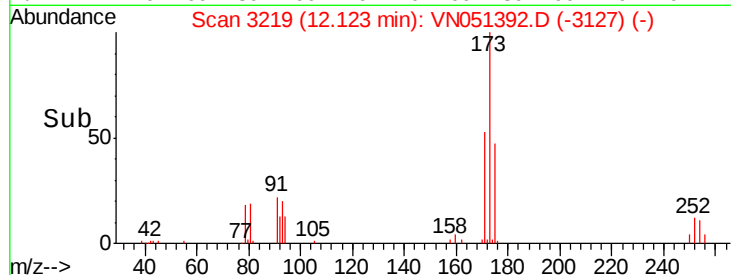
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

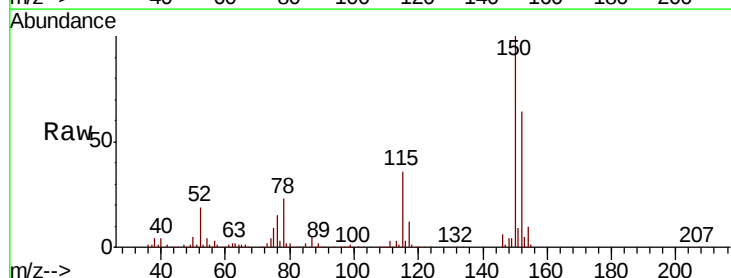
Tgt Ion:152 Resp: 307980

Ion Ratio Lower Upper

152 100

115 56.1 28.3 84.9

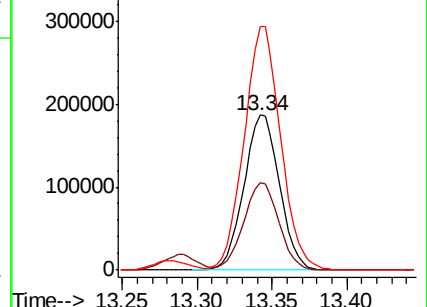
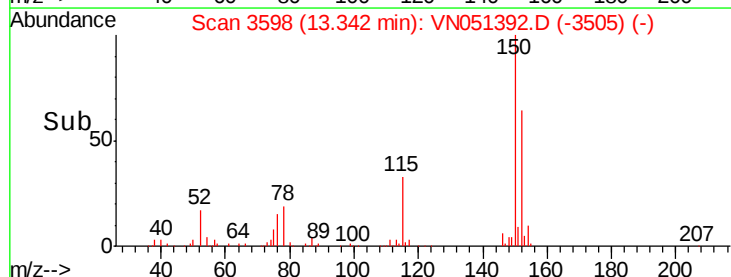
150 162.1 0.0 353.6

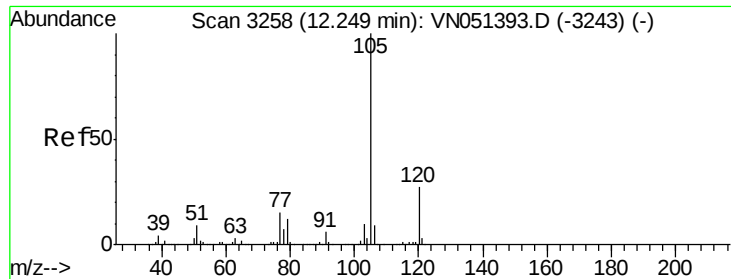


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.939 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

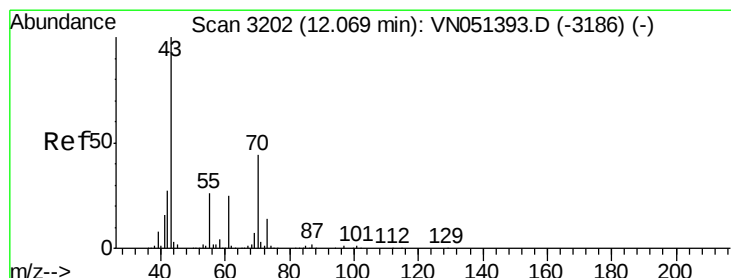
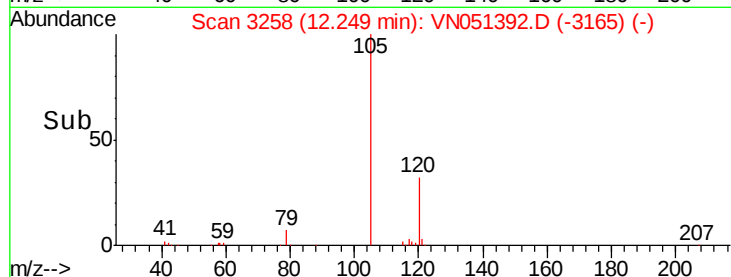
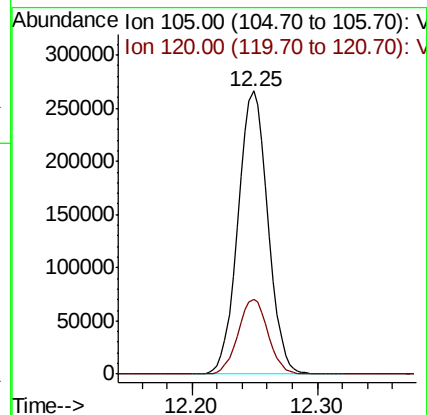
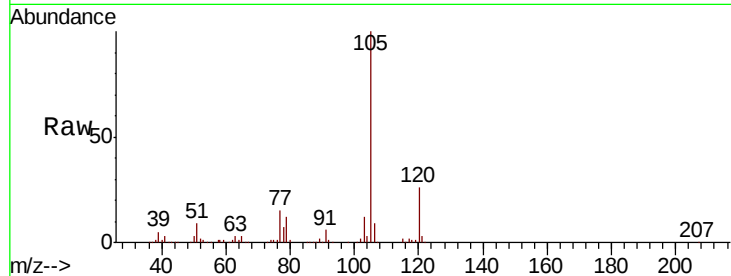
VSTDIC020

Tgt Ion: 105 Resp: 440159

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 15.322 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion: 43 Resp: 99900

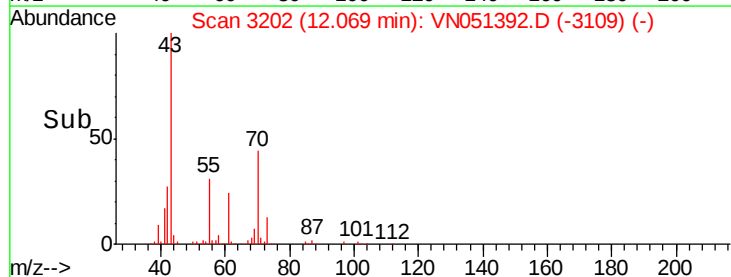
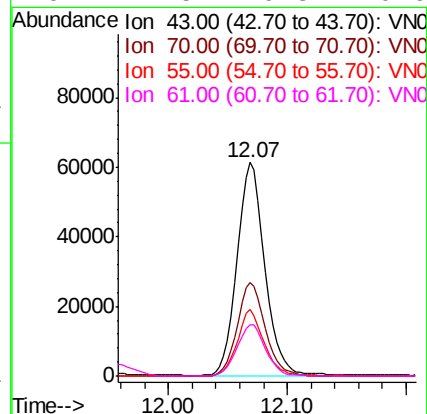
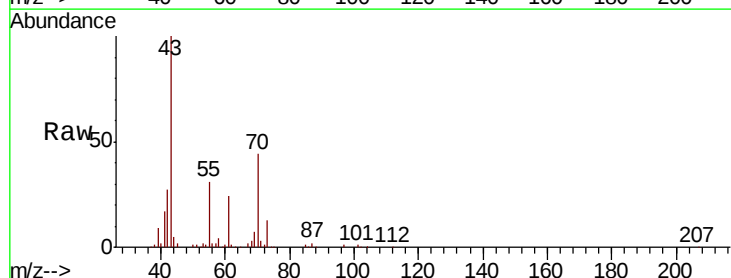
Ion Ratio Lower Upper

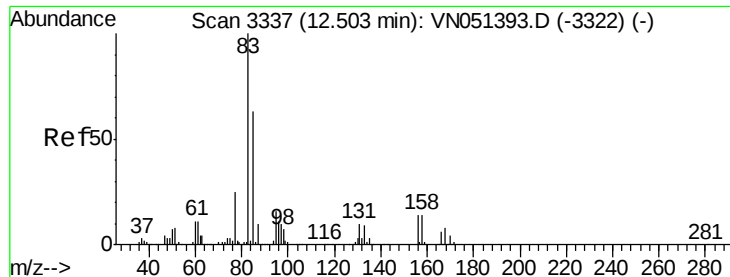
43 100

70 43.3 35.0 52.4

55 29.3 21.4 32.2

61 24.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.664 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

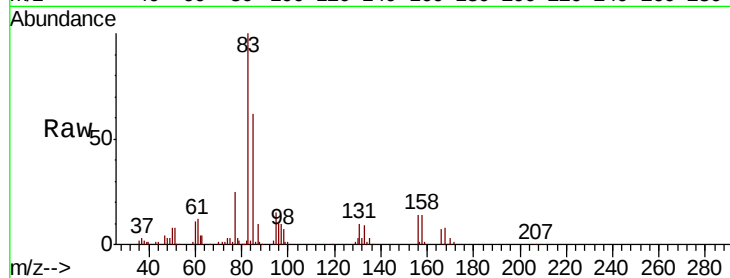
Tgt Ion: 83 Resp: 107039

Ion Ratio Lower Upper

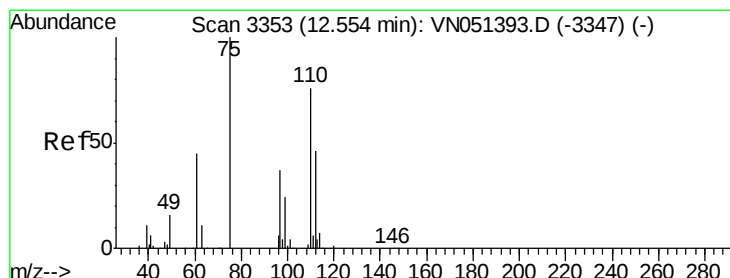
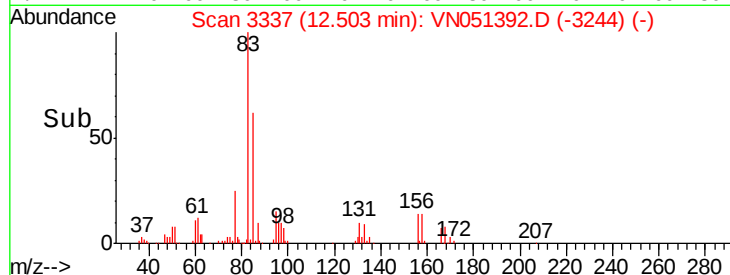
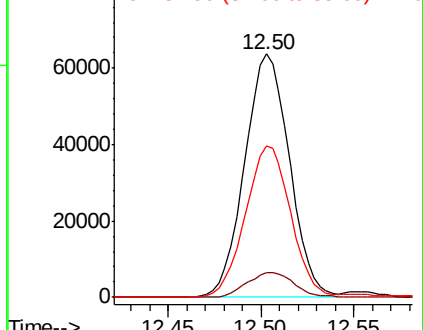
83 100

131 10.7 5.3 15.9

85 62.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.076 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051392.D

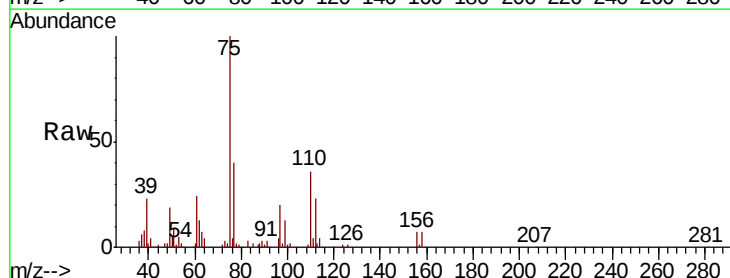
Acq: 22 Sep 2018 12:42

Tgt Ion: 75 Resp: 124579

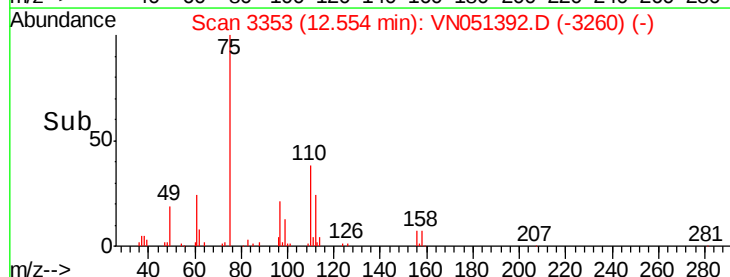
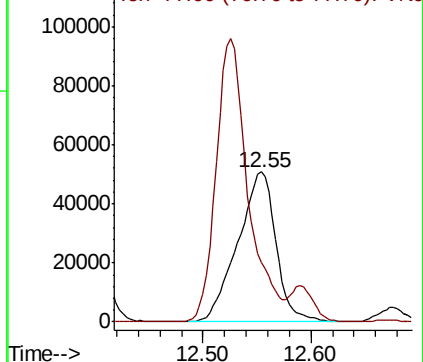
Ion Ratio Lower Upper

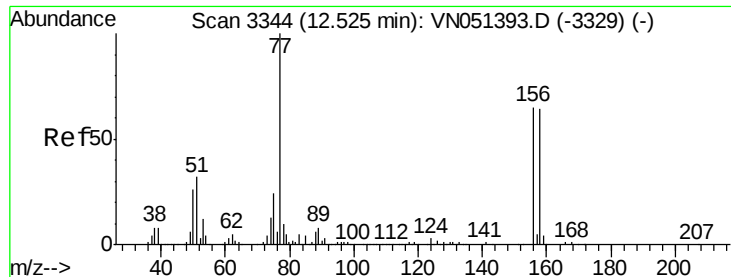
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 16.950 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

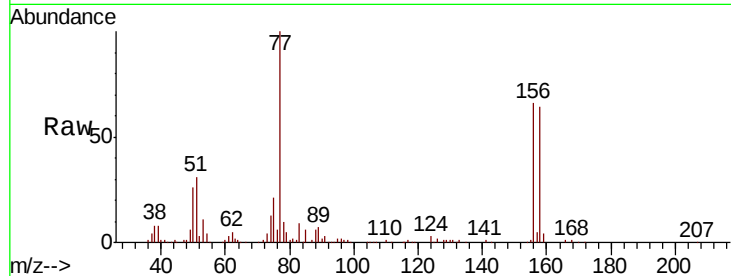
Tgt Ion:156 Resp: 111498

Ion Ratio Lower Upper

156 100

77 176.2 89.5 268.4

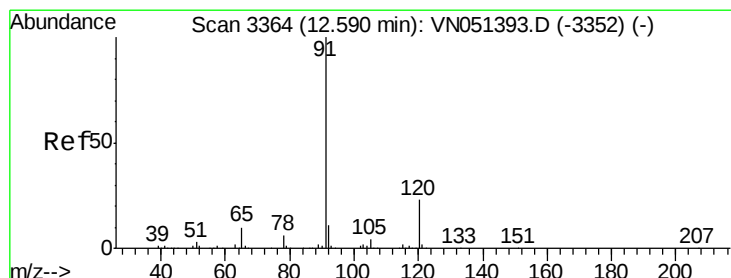
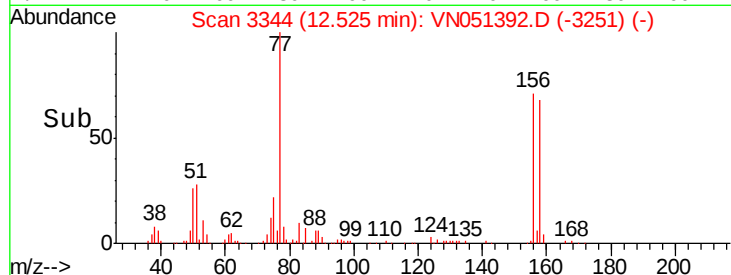
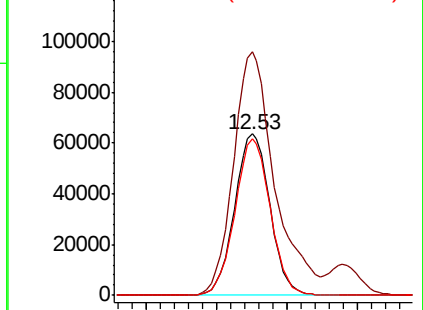
158 96.7 49.4 148.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.500 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051392.D

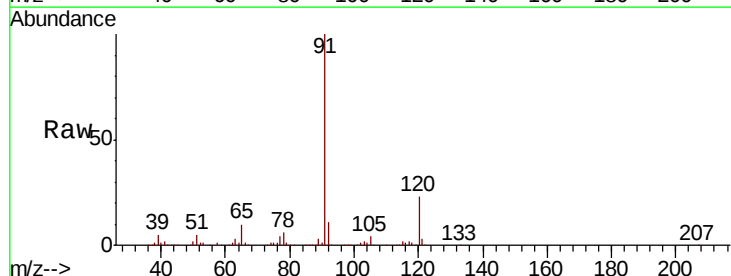
Acq: 22 Sep 2018 12:42

Tgt Ion: 91 Resp: 483235

Ion Ratio Lower Upper

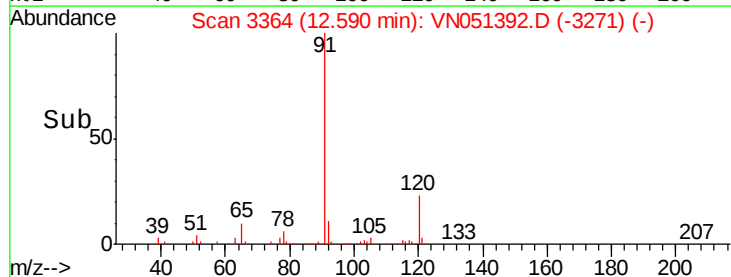
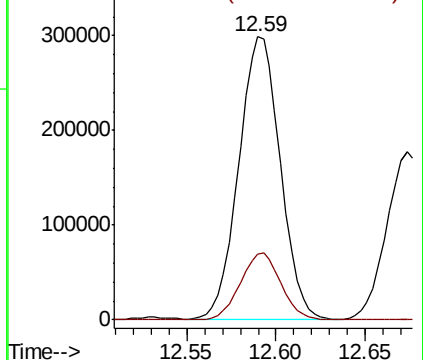
91 100

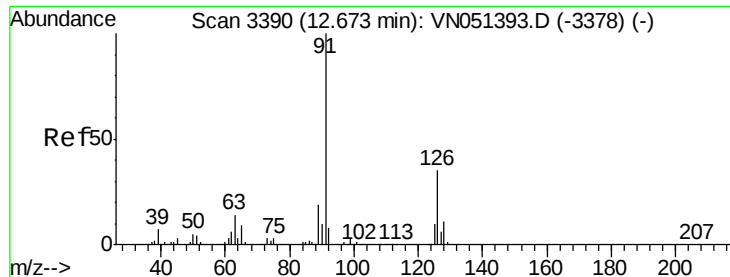
120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.797 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

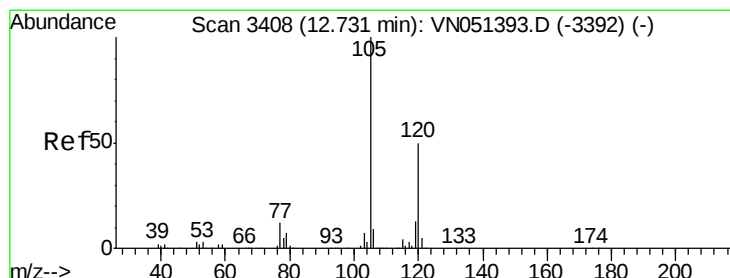
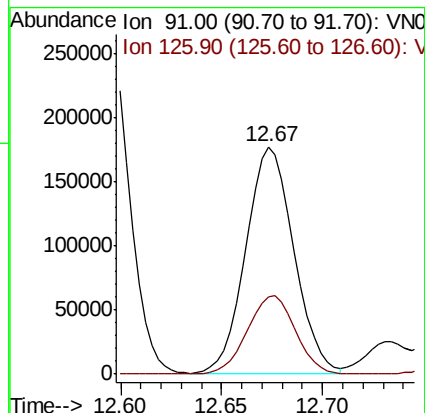
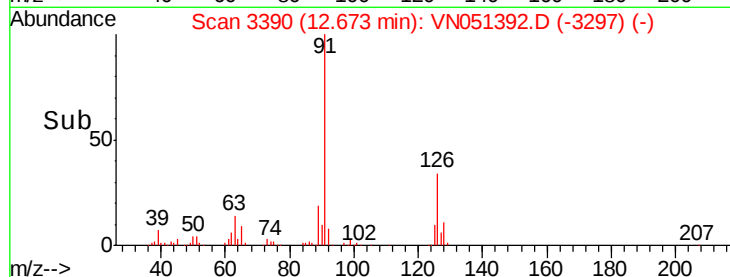
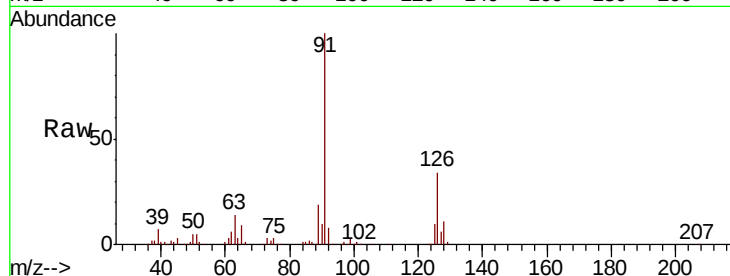
VSTDIC020

Tgt Ion: 91 Resp: 294462

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 16.908 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051392.D

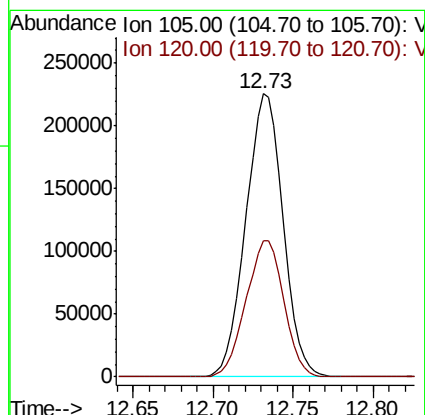
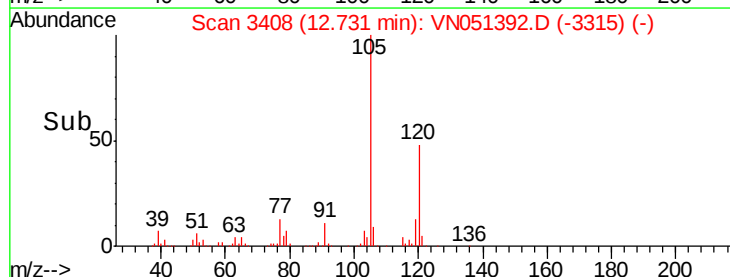
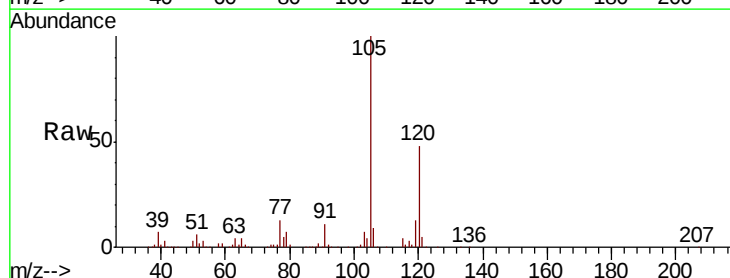
Acq: 22 Sep 2018 12:42

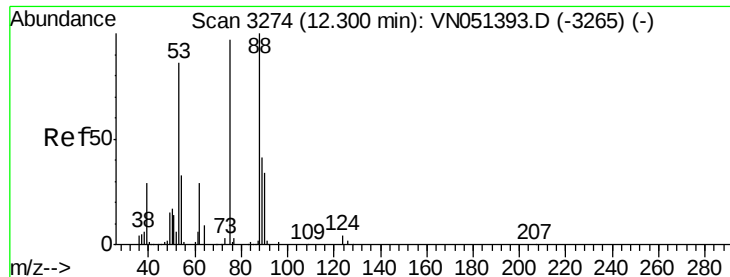
Tgt Ion: 105 Resp: 358258

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.530 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

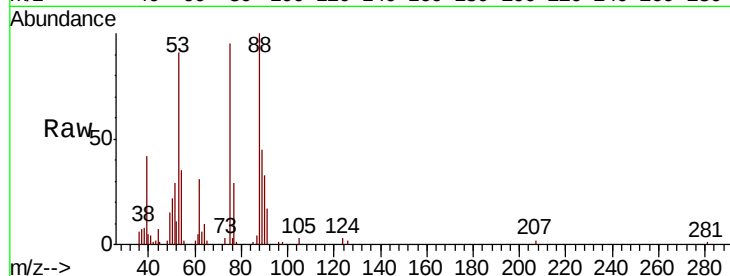
Tgt Ion: 75 Resp: 25822

Ion Ratio Lower Upper

75 100

53 95.5 73.9 110.9

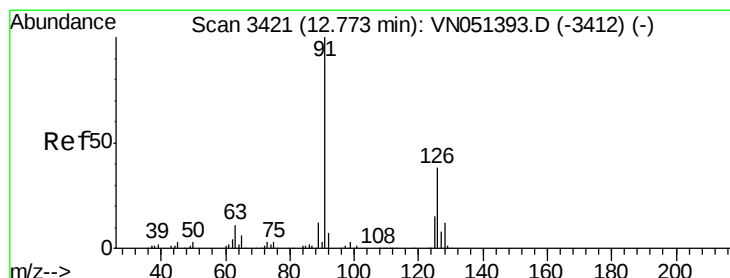
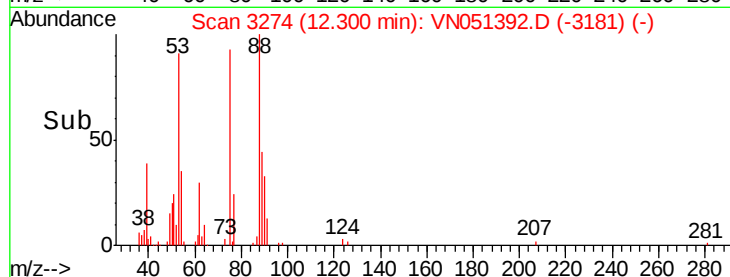
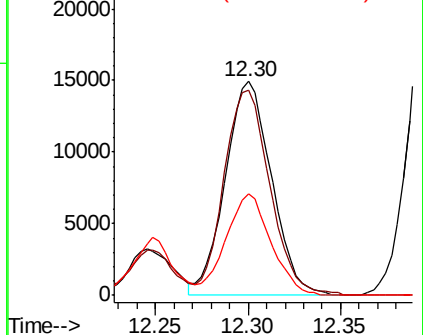
89 46.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 16.496 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051392.D

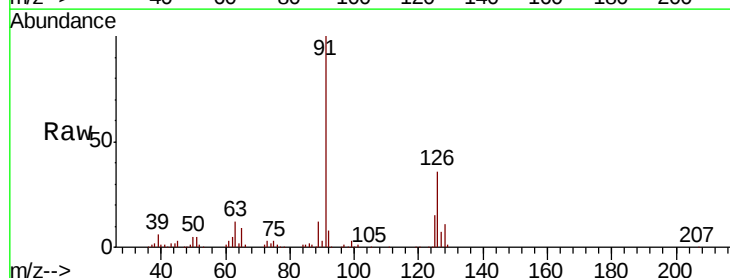
Acq: 22 Sep 2018 12:42

Tgt Ion: 91 Resp: 288627

Ion Ratio Lower Upper

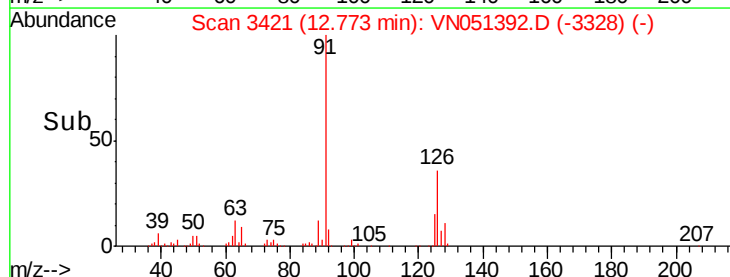
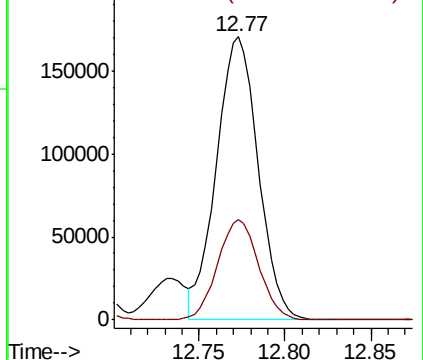
91 100

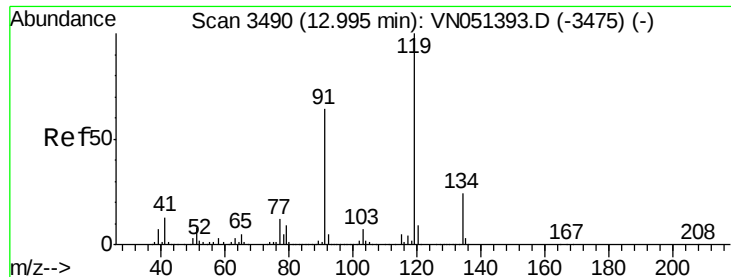
126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

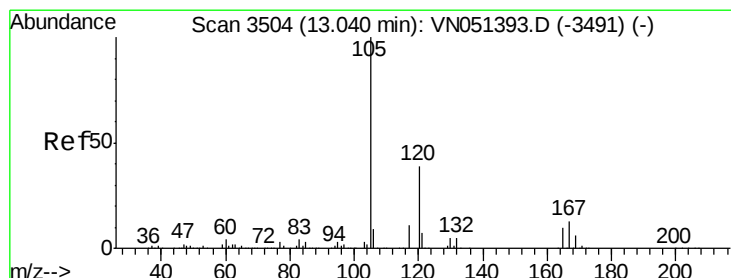
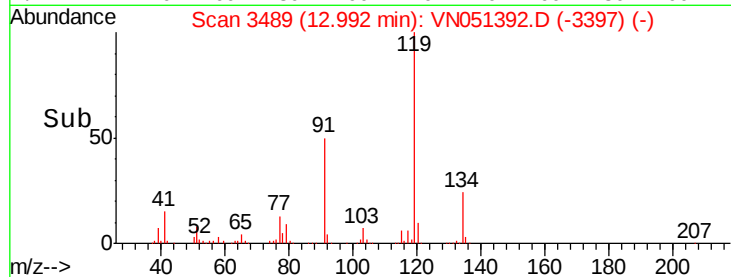
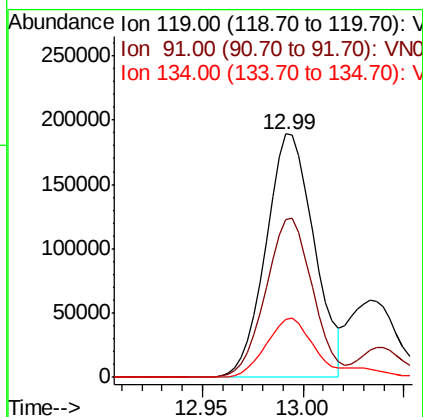
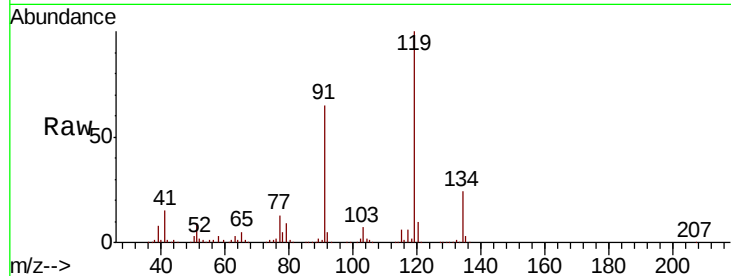




#83
 tert-Butylbenzene
 Concen: 16.658 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

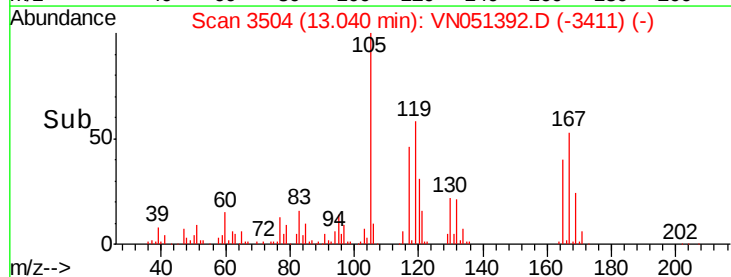
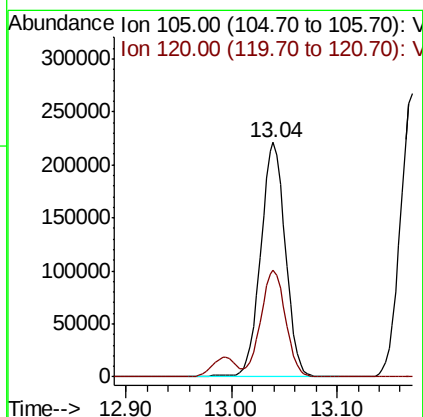
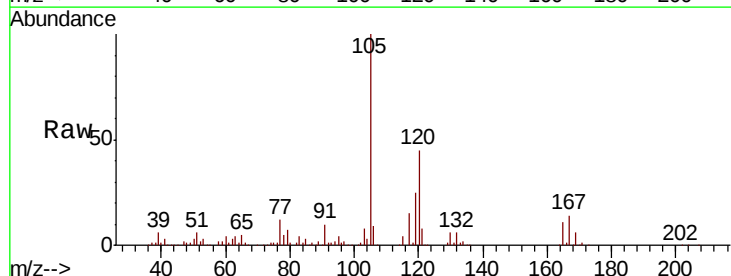
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

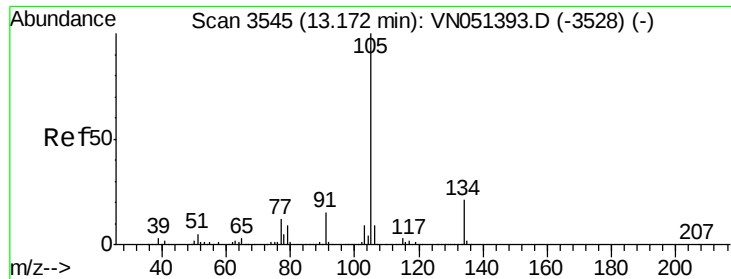
Tgt Ion:119 Resp: 314172
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.7 95.1
 134 24.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 16.952 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion:105 Resp: 361955
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.7

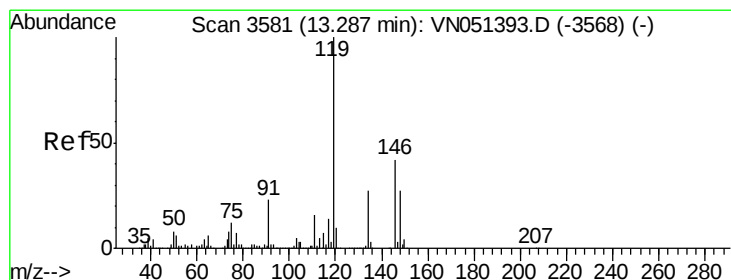
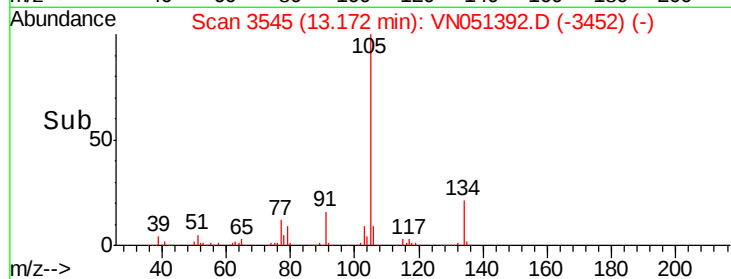
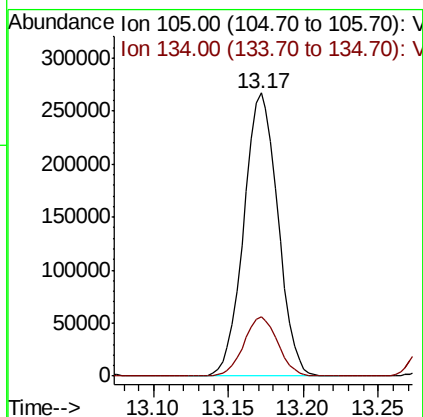
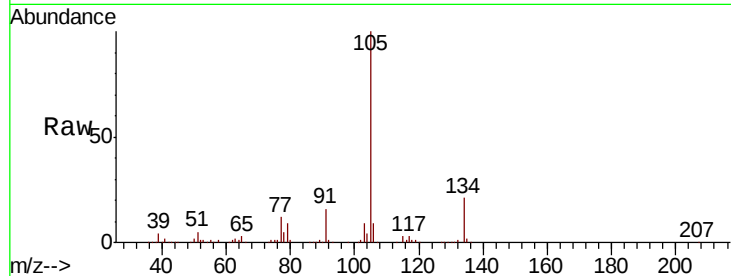




#85
 sec-Butylbenzene
 Concen: 16.541 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

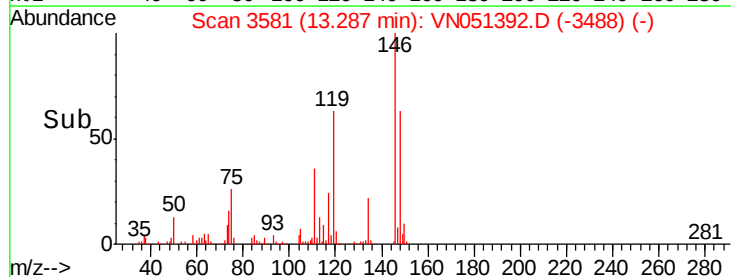
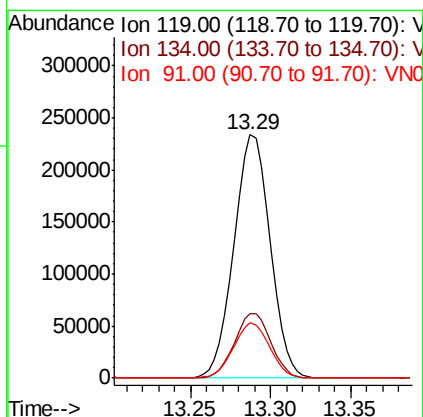
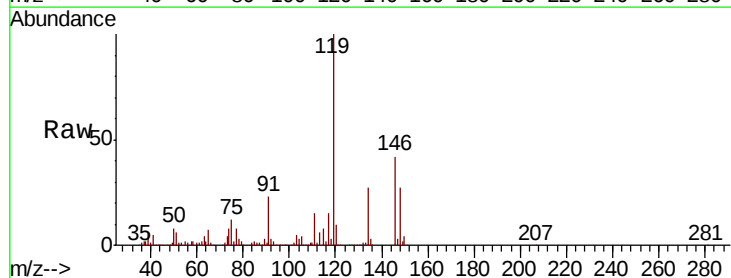
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

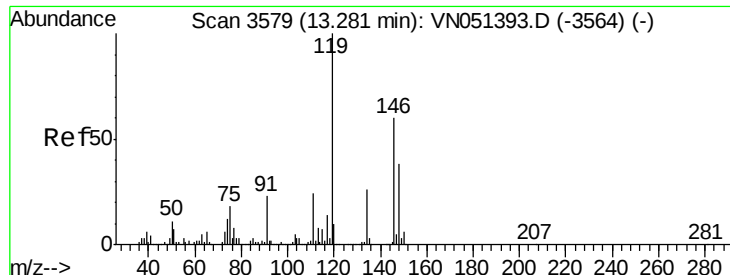
Tgt Ion:105 Resp: 422039
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 16.291 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion:119 Resp: 359658
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 16.239 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

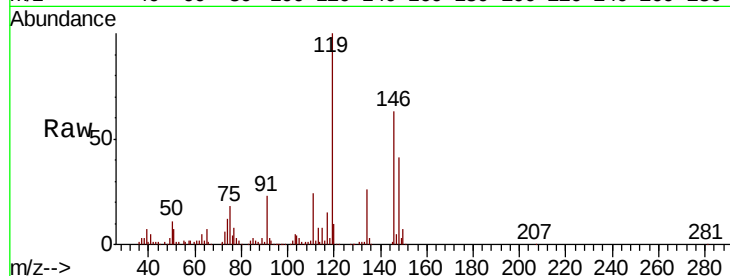
Tgt Ion:146 Resp: 184856

Ion Ratio Lower Upper

146 100

111 38.2 19.7 59.1

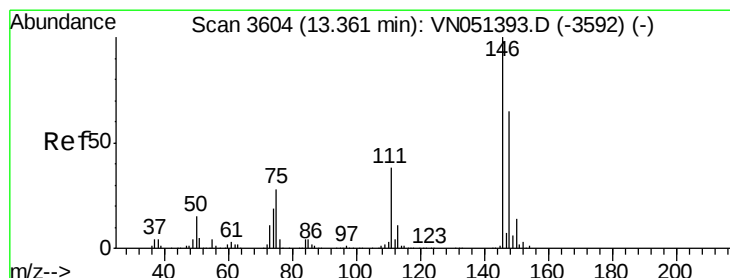
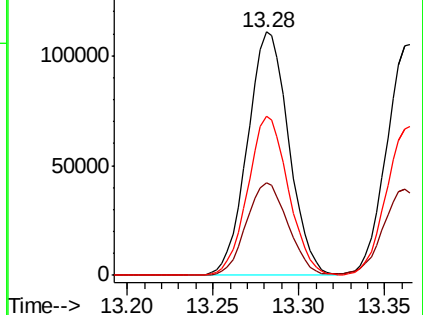
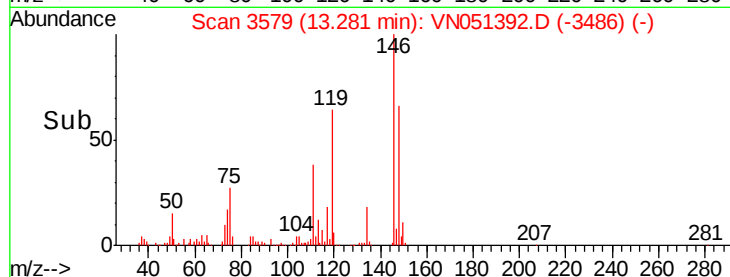
148 64.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.064 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

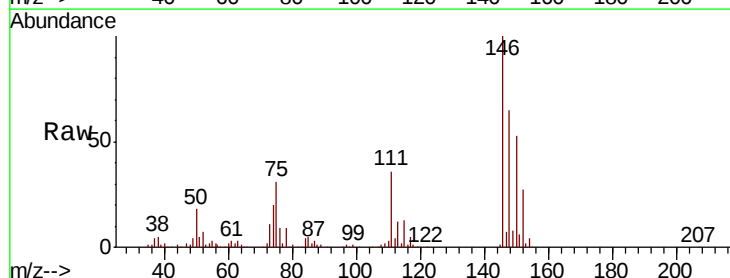
Tgt Ion:146 Resp: 175957

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.1

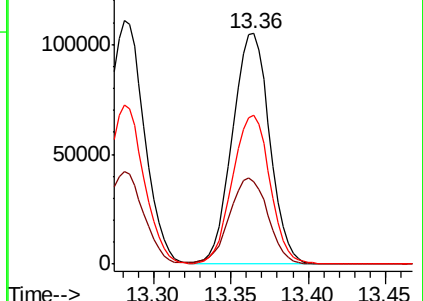
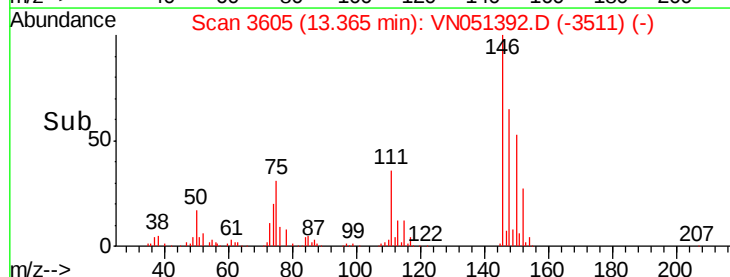
148 65.2 32.5 97.5

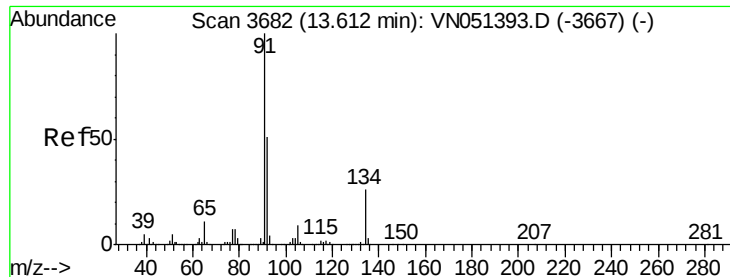


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 15.161 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

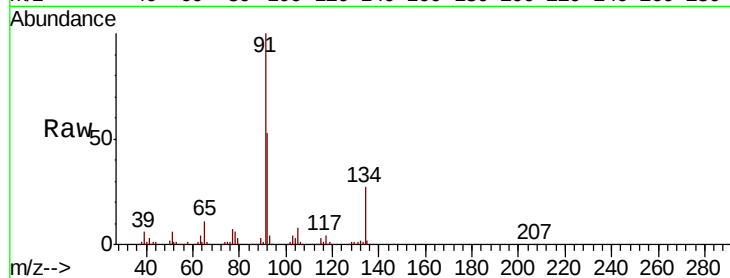
Tgt Ion: 91 Resp: 275236

Ion Ratio Lower Upper

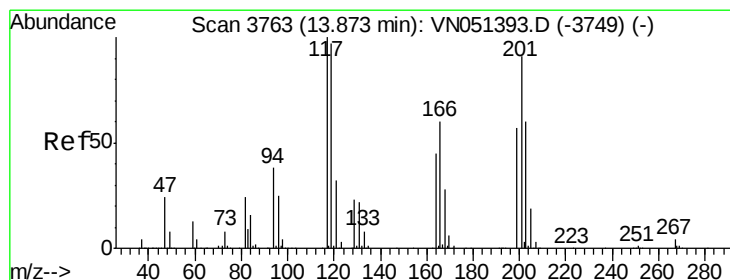
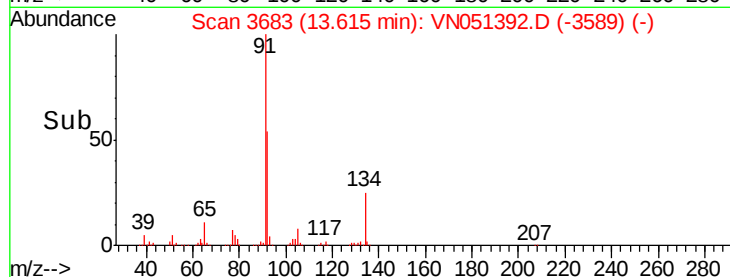
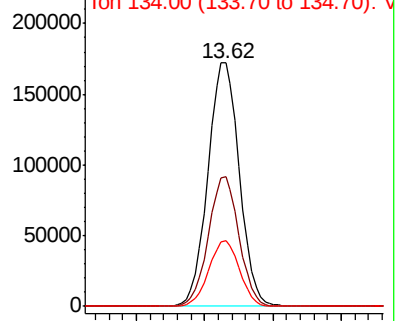
91 100

92 51.6 25.5 76.5

134 26.3 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3667) (-)



#90

Hexachloroethane

Concen: 16.940 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051392.D

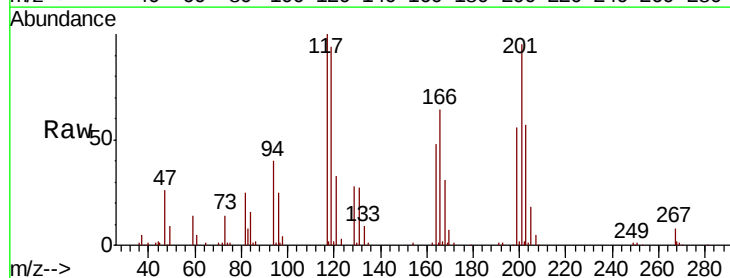
Acq: 22 Sep 2018 12:42

Tgt Ion: 117 Resp: 74515

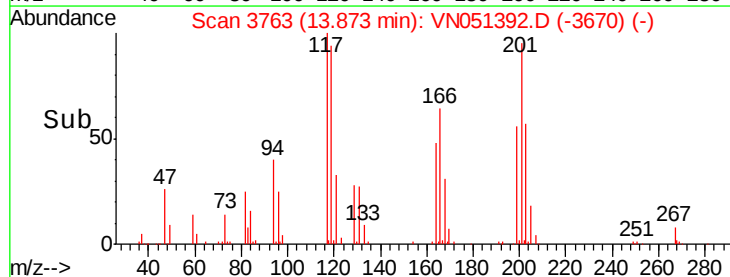
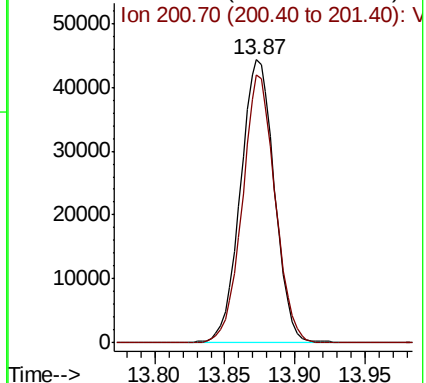
Ion Ratio Lower Upper

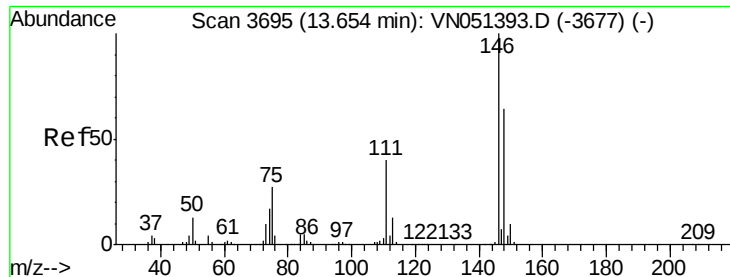
117 100

201 91.4 45.5 136.4



Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-3749) (-)

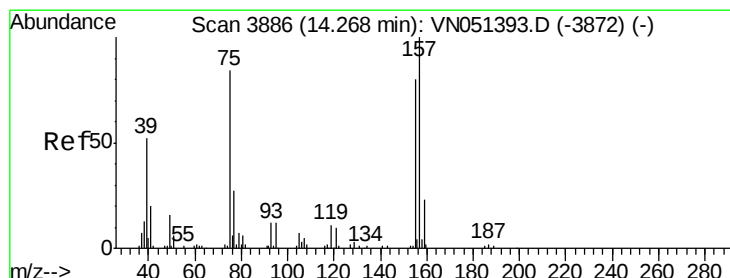
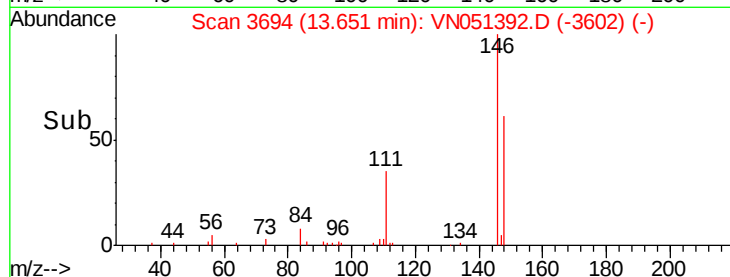
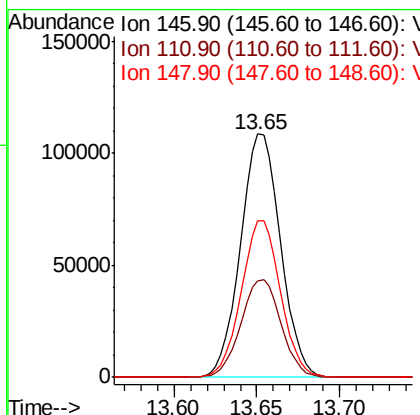
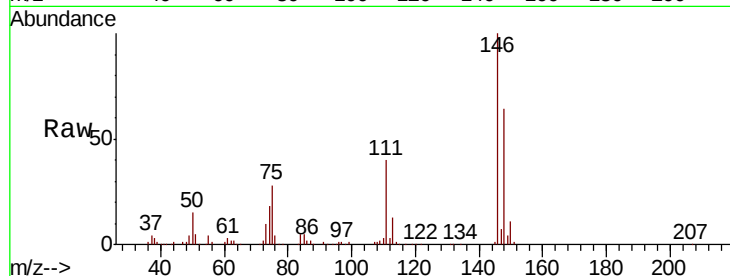




#91
 1,2-Dichlorobenzene
 Concen: 16.511 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

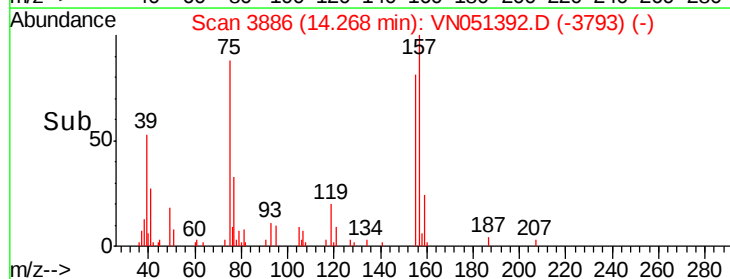
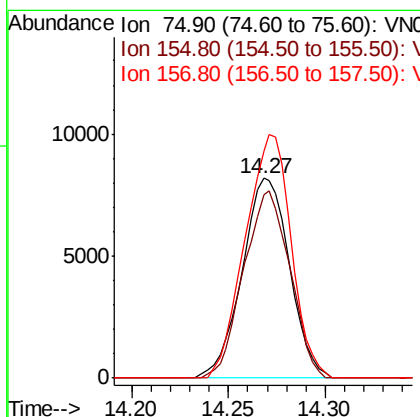
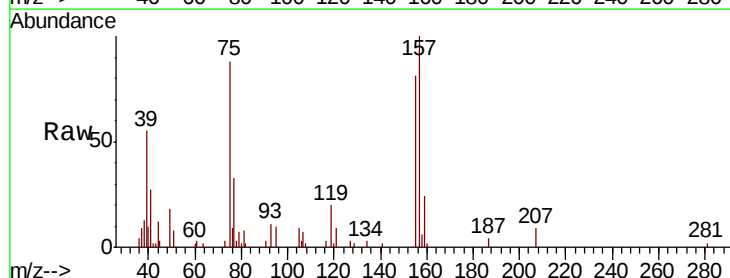
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

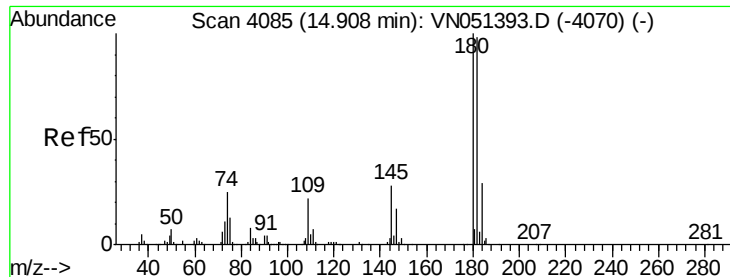
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	63.1	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.147 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.9	140.6
157	118.4	58.4	175.1

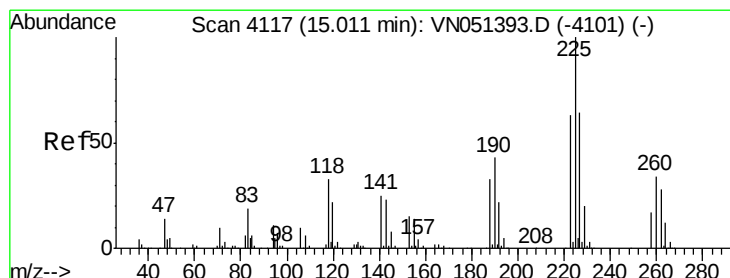
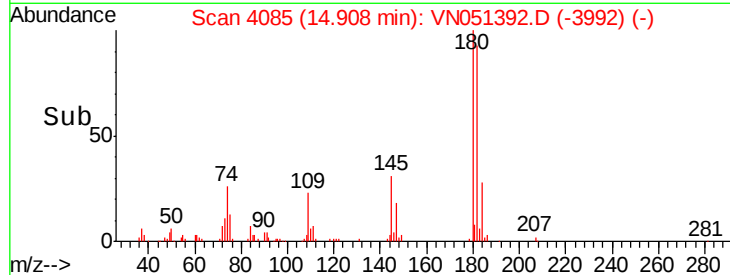
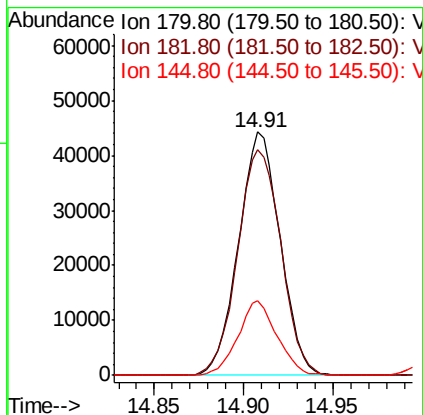
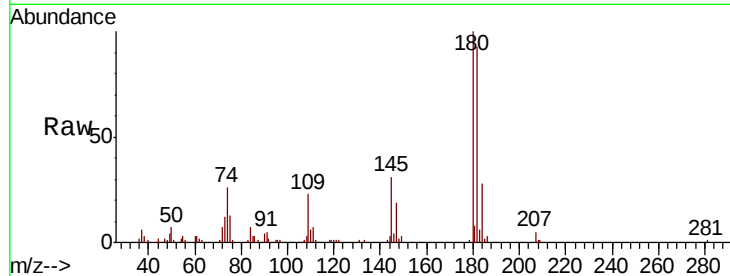




#93
 1,2,4-Trichlorobenzene
 Concen: 16.645 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

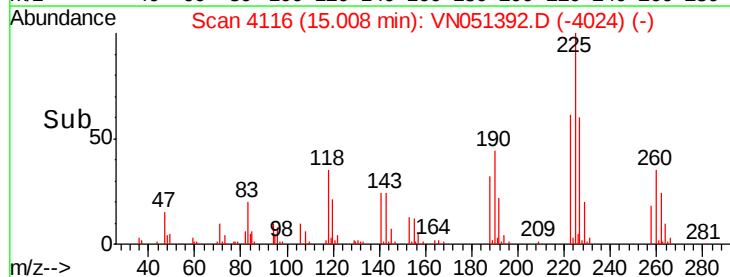
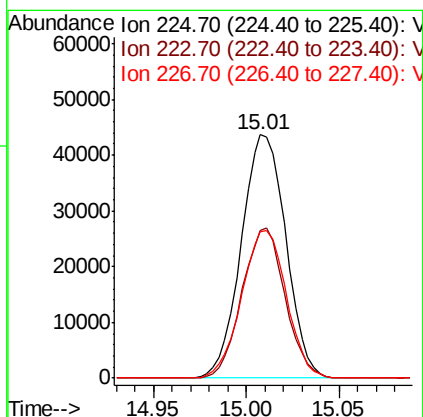
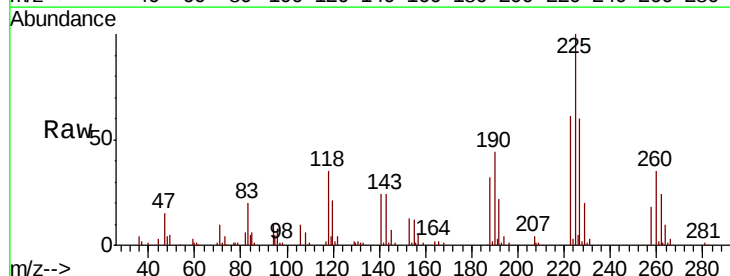
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

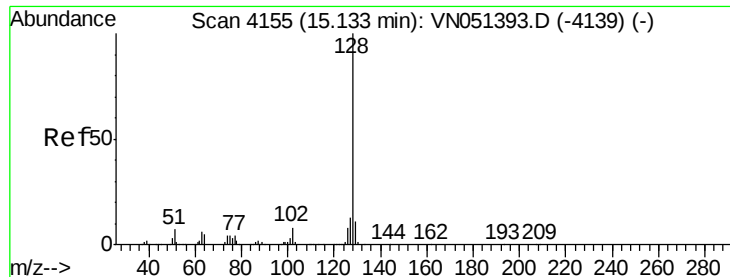
Tgt Ion:180 Resp: 72129
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.5 145.6
 145 28.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 17.517 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion:225 Resp: 73202
 Ion Ratio Lower Upper
 225 100
 223 59.5 31.9 95.9
 227 61.0 32.5 97.5





#95

Naphthalene

Concen: 16.996 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

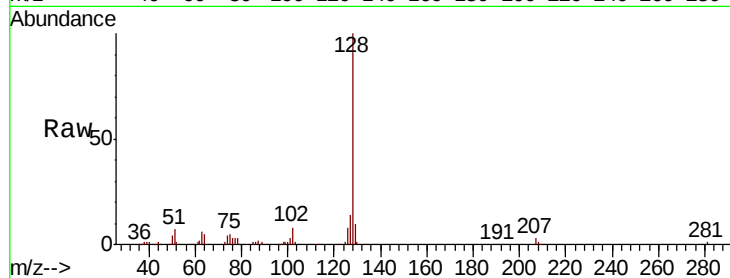
Tgt Ion:128 Resp: 122156

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

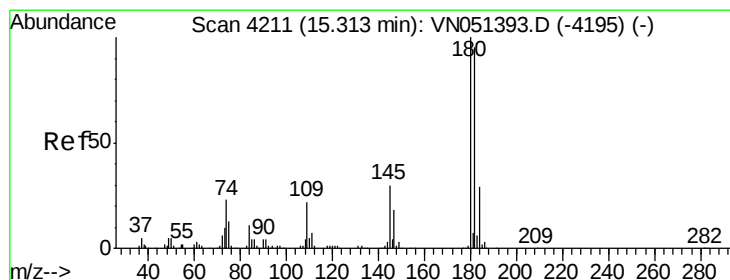
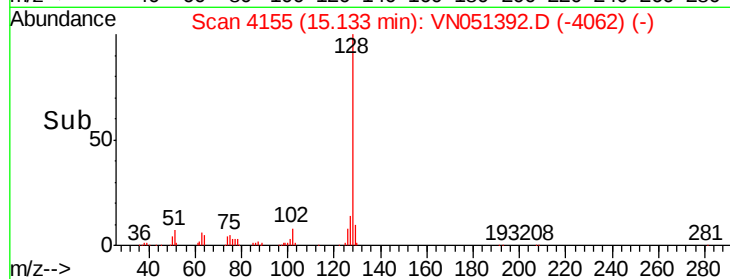
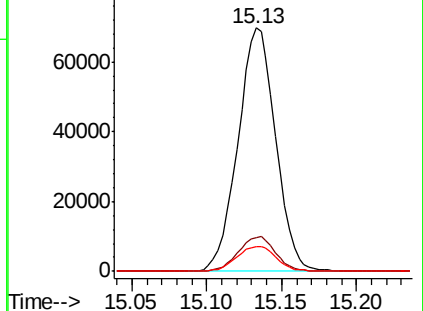
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.517 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

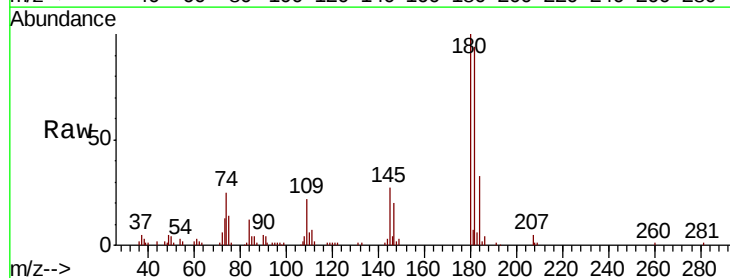
Tgt Ion:180 Resp: 76950

Ion Ratio Lower Upper

180 100

182 93.6 47.2 141.6

145 28.3 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

