

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053524.D
 Acq On : 22 Jan 2019 17:22
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 23 02:56:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	499739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375968	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	337804	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	10.09	98	1340866	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	470721	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	279689	47.491	ug/l	98
3) Chloromethane	2.06	50	383535	45.549	ug/l	99
4) Vinyl Chloride	2.19	62	385446	47.488	ug/l	100
5) Bromomethane	2.57	94	267397	48.013	ug/l	98
6) Chloroethane	2.71	64	237624	48.422	ug/l	99
7) Trichlorofluoromethane	3.02	101	540499	50.910	ug/l	99
8) Diethyl Ether	3.41	74	214128	53.700	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	341215	50.748	ug/l	98
10) Methyl Iodide	3.96	142	511194	49.752	ug/l	99
11) Tert butyl alcohol	4.77	59	128221	361.929	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	328642	50.393	ug/l	100
13) Acrolein	3.61	56	222251	314.995	ug/l	97
14) Allyl chloride	4.33	41	518247	48.923	ug/l	95
15) Acrylonitrile	4.99	53	672295	288.353	ug/l	99
16) Acetone	3.81	43	485790	285.985	ug/l	99
17) Carbon Disulfide	4.06	76	905699	45.924	ug/l	99
18) Methyl Acetate	4.32	43	331062	57.847	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	962381	55.539	ug/l	99
20) Methylene Chloride	4.55	84	381352	49.173	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	354636	50.864	ug/l	98
22) Diisopropyl ether	5.95	45	1175530	53.157	ug/l	99
23) Vinyl Acetate	5.90	43	3838739	282.387	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680804	52.077	ug/l	100
25) 2-Butanone	6.83	43	763904	291.829	ug/l	99
26) 2,2-Dichloropropane	6.82	77	503897	51.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	417014	52.304	ug/l	100
28) Bromochloromethane	7.19	49	291263	50.573	ug/l	99
29) Tetrahydrofuran	7.21	42	505335	296.542	ug/l	99
30) Chloroform	7.37	83	668401	52.476	ug/l	98
31) Cyclohexane	7.65	56	606976	47.699	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	560138	51.841	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506267	50.904	ug/l	99
37) Ethyl Acetate	6.93	43	329292	57.549	ug/l	99
38) Carbon Tetrachloride	7.77	117	493982	52.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	619980	50.435	ug/l	99
40) Benzene	8.04	78	1562278	51.692	ug/l	100
41) Methacrylonitrile	7.21	41	476201	138.855	ug/l #	20
42) 1,2-Dichloroethane	8.12	62	471696	53.573	ug/l	100
43) Isopropyl Acetate	8.16	43	593348	57.669	ug/l	100
44) Trichloroethene	8.83	130	434640	51.859	ug/l	100
45) 1,2-Dichloropropane	9.12	63	415399	51.892	ug/l	100
46) Dibromomethane	9.21	93	247906	53.902	ug/l	99
47) Bromodichloromethane	9.40	83	516883	53.441	ug/l	98
48) Methyl methacrylate	9.20	41	299233	56.328	ug/l	98
49) 1,4-Dioxane	9.20	88	79731	1536.786	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1687609	300.469	ug/l	100
52) Toluene	10.16	92	973721	51.896	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	531931	54.258	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624990	54.383	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	356382	55.093	ug/l	99
56) Ethyl methacrylate	10.43	69	473364	51.499	ug/l	100
57) 1,3-Dichloropropane	10.71	76	616130	55.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1197675	264.651	ug/l	99
59) 2-Hexanone	10.75	43	1168069	296.255	ug/l	100
60) Dibromochloromethane	10.90	129	404233	55.095	ug/l	99
61) 1,2-Dibromoethane	11.00	107	357538	54.651	ug/l	99
64) Tetrachloroethene	10.63	164	486215	52.339	ug/l	100
65) Chlorobenzene	11.43	112	1087592	52.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395011	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	1870416	52.600	ug/l	100
68) m/p-Xylenes	11.62	106	1432651	106.709	ug/l	100
69) o-Xylene	11.95	106	696696	53.404	ug/l	99
70) Styrene	11.96	104	1164838	55.016	ug/l	100
71) Bromoform	12.13	173	289019	57.836	ug/l #	99
73) Isopropylbenzene	12.25	105	1860765	50.846	ug/l	100
74) N-amyl acetate	12.07	43	539415	55.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	407165	53.049	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	571130	86.724	ug/l #	100
77) Bromobenzene	12.53	156	487101	50.512	ug/l	99
78) n-propylbenzene	12.59	91	2154463	51.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	1249173	50.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1547886	51.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129995	49.958	ug/l	97
82) 4-Chlorotoluene	12.77	91	1277048	50.292	ug/l	100
83) tert-Butylbenzene	12.99	119	1375775	52.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1579590	52.613	ug/l	100
85) sec-Butylbenzene	13.17	105	1872586	51.920	ug/l	100
86) p-Isopropyltoluene	13.29	119	1651363	52.731	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871659	51.387	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	869594	51.107	ug/l	99
89) n-Butylbenzene	13.61	91	1391986	52.145	ug/l	99
90) Hexachloroethane	13.87	117	260879	53.116	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	846922	54.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65893	67.708	ug/l	98

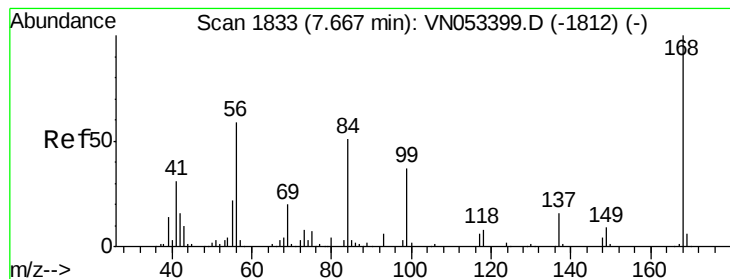
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	406455	58.530	ug/l	99
94) Hexachlorobutadiene	15.01	225	279626	57.440	ug/l	100
95) Naphthalene	15.13	128	737262	60.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	305571	59.817	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: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

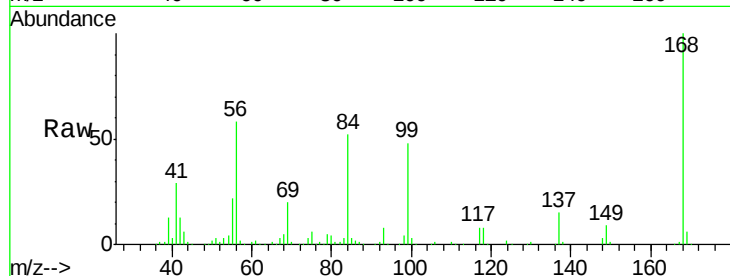
VSTDCCC050EC

Tot Ion:168 Resp: 732503

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

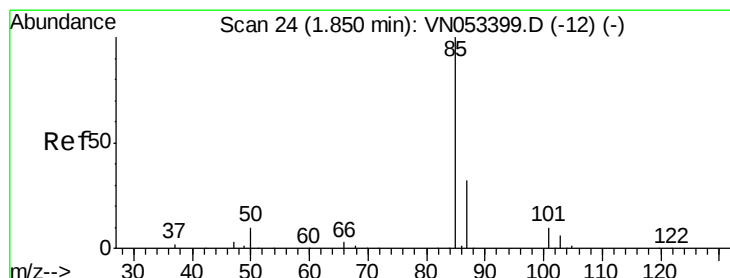
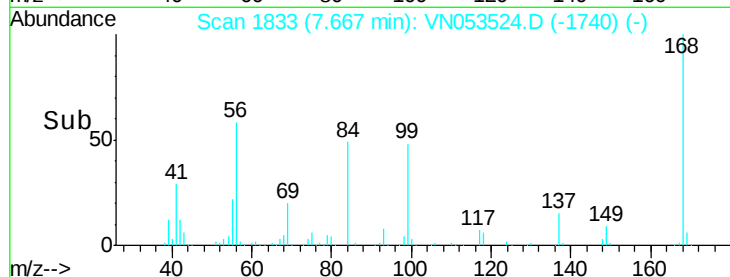
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.491 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053524.D

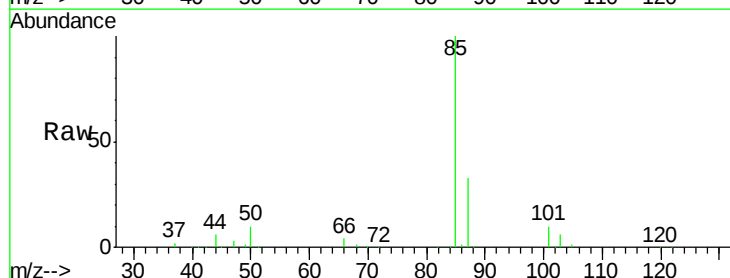
Acq: 22 Jan 2019 17:22

Tgt Ion: 85 Resp: 279689

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

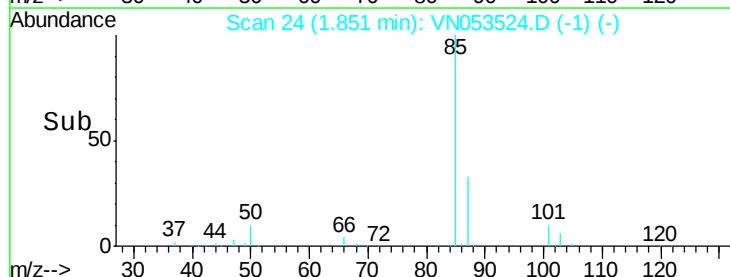
150000

100000

50000

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Time-->





#3

Chloromethane

Concen: 45.549 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

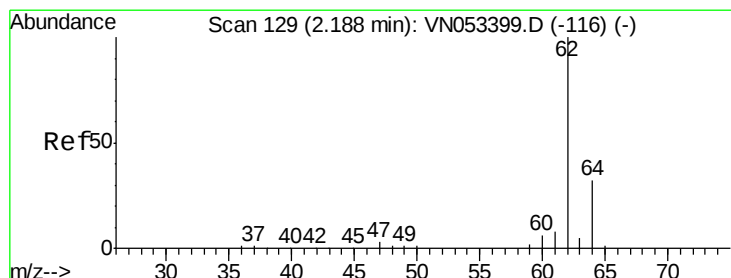
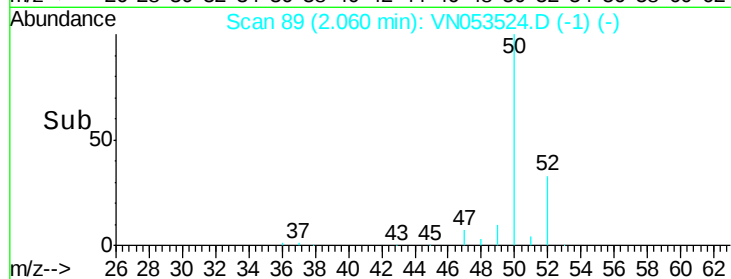
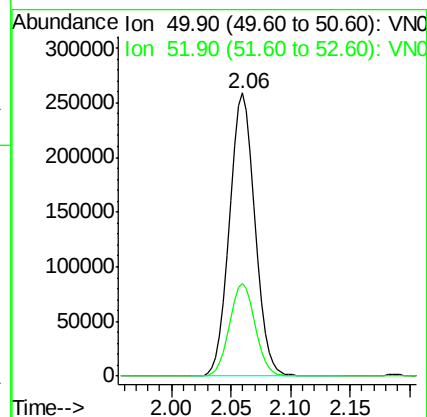
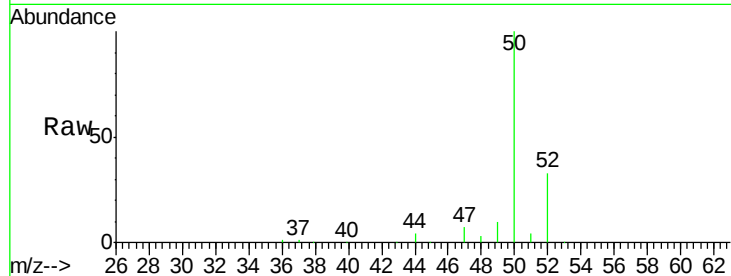
VSTDCCC050EC

Tot Ion: 50 Resp: 383535

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 47.488 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053524.D

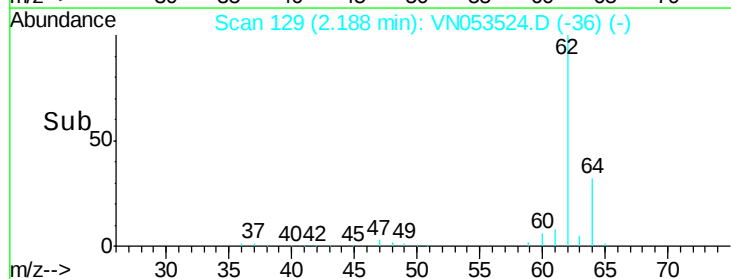
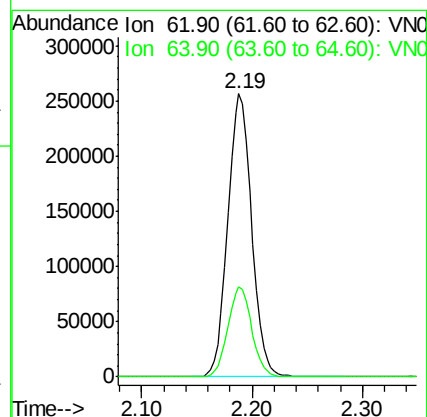
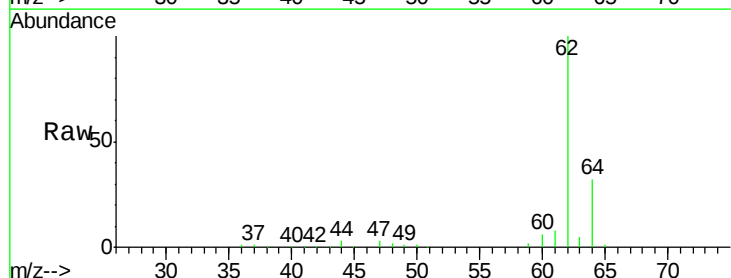
Acq: 22 Jan 2019 17:22

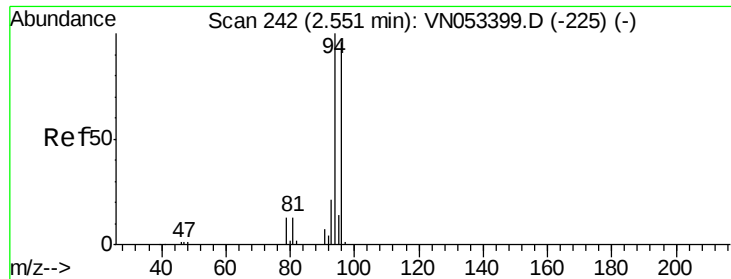
Tgt Ion: 62 Resp: 385446

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 48.013 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

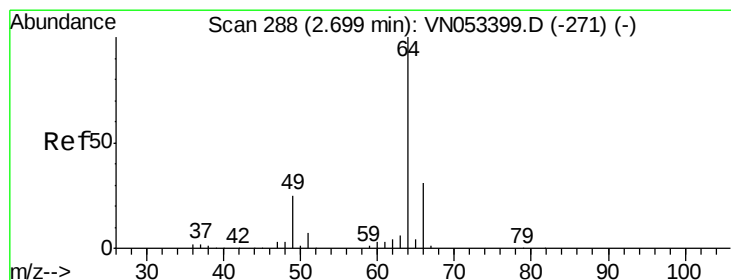
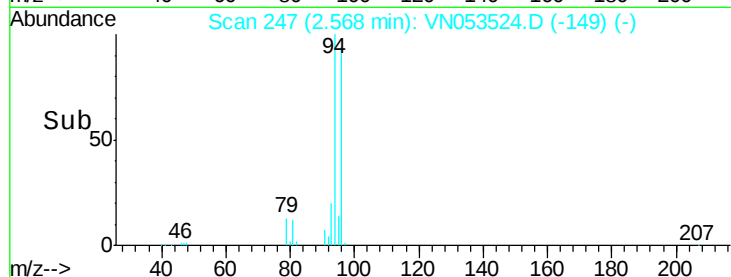
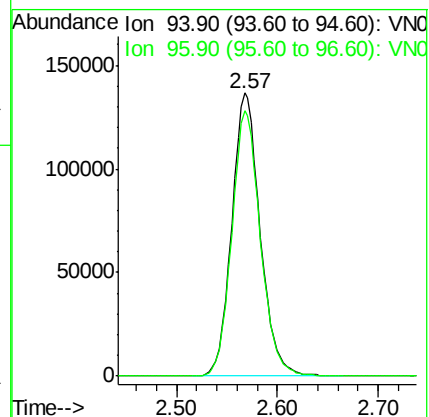
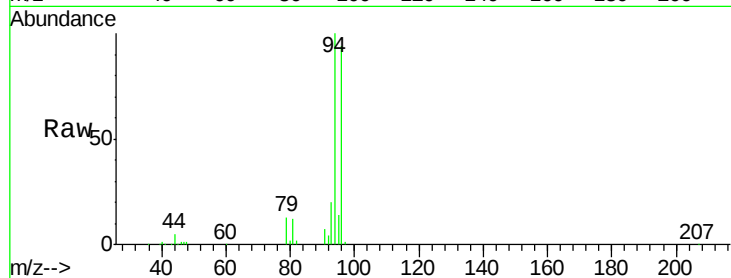
VSTDCCC050EC

Tot Ion: 94 Resp: 267397

Ion Ratio Lower Upper

94 100

96 93.7 76.8 115.2



#6

Chloroethane

Concen: 48.422 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053524.D

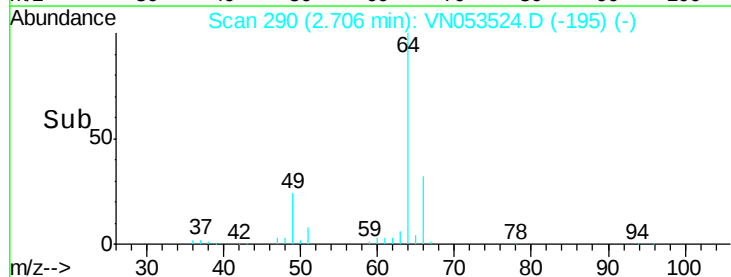
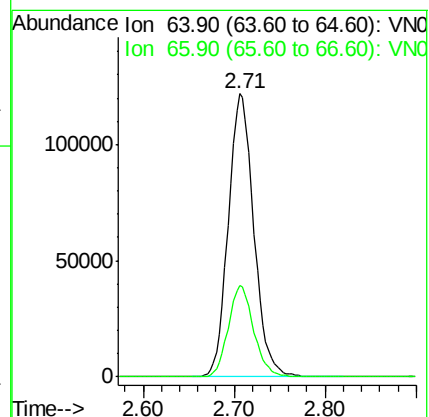
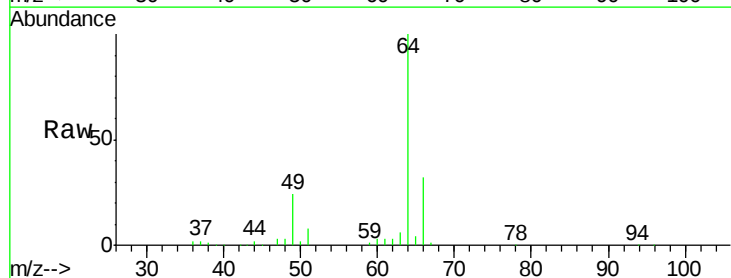
Acq: 22 Jan 2019 17:22

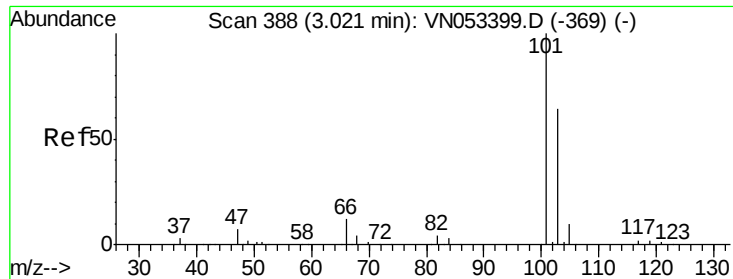
Tgt Ion: 64 Resp: 237624

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



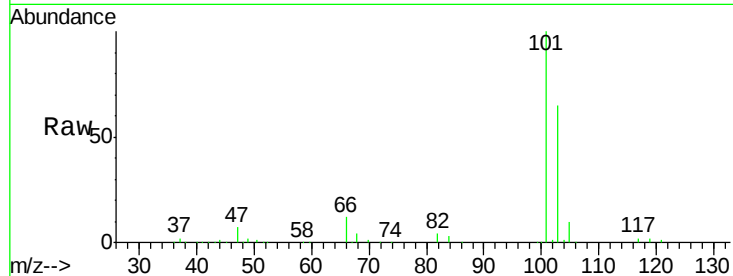


#7

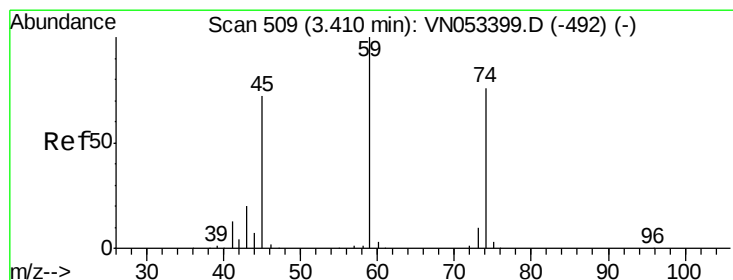
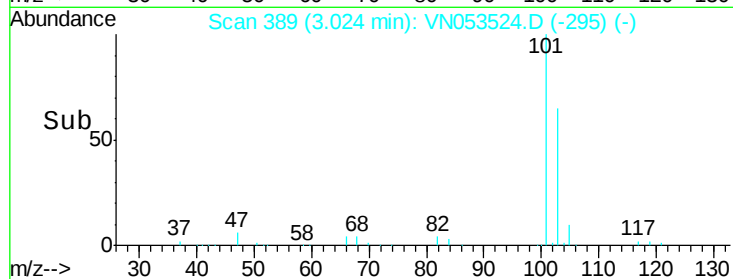
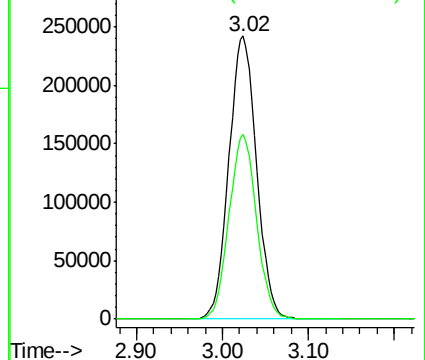
Trichlorofluoromethane
Concen: 50.910 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 540499
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4



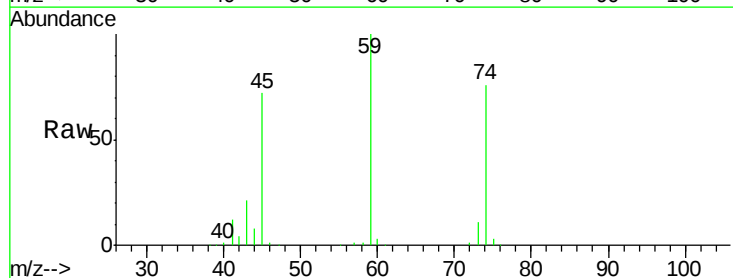
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



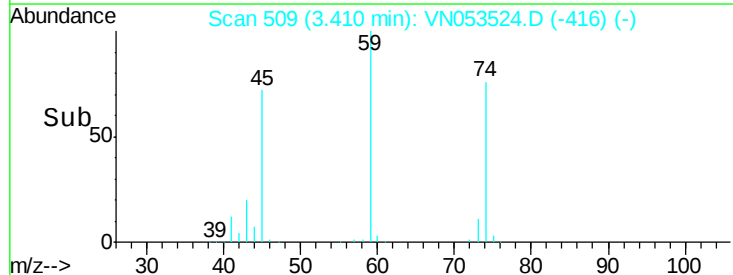
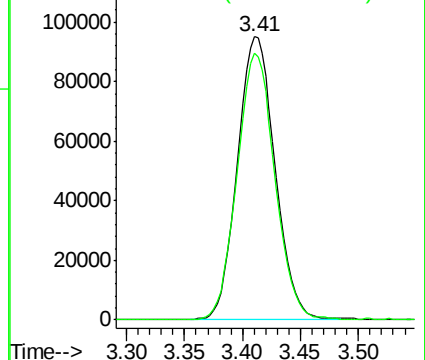
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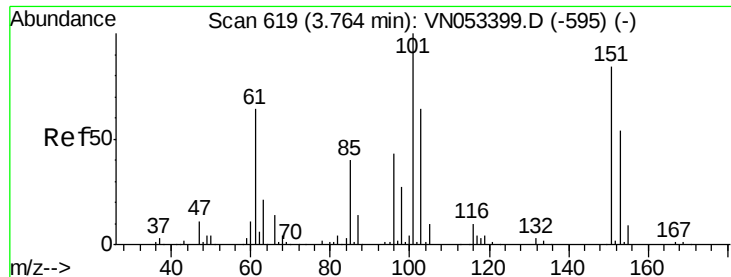
Diethyl Ether
Concen: 53.700 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 74 Resp: 214128
Ion Ratio Lower Upper
74 100
45 94.8 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.748 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

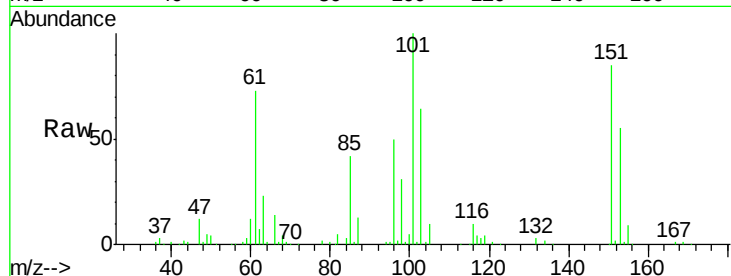
Tot Ion:101 Resp: 341215

Ion Ratio Lower Upper

101 100

85 41.6 32.8 49.2

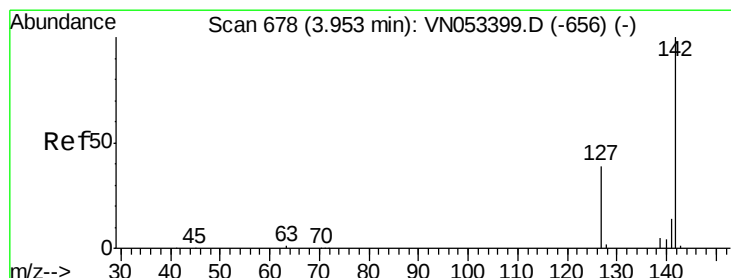
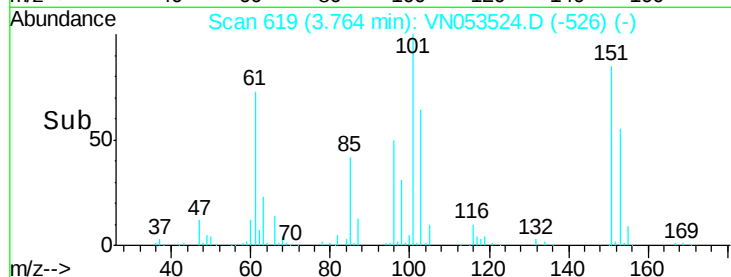
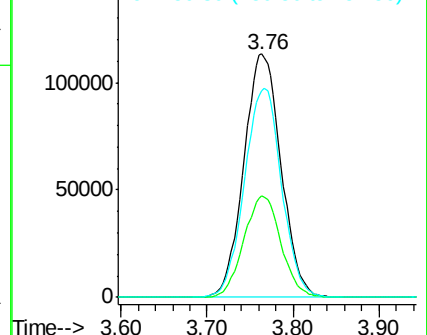
151 85.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.752 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

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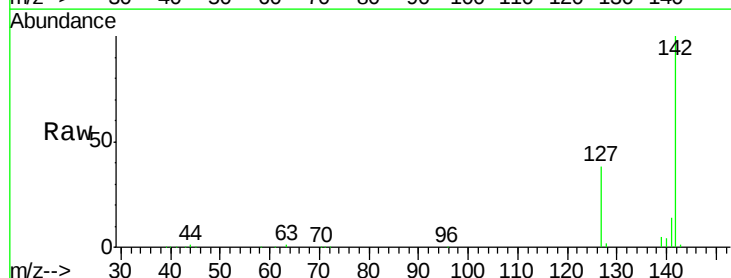
Tgt Ion:142 Resp: 511194

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

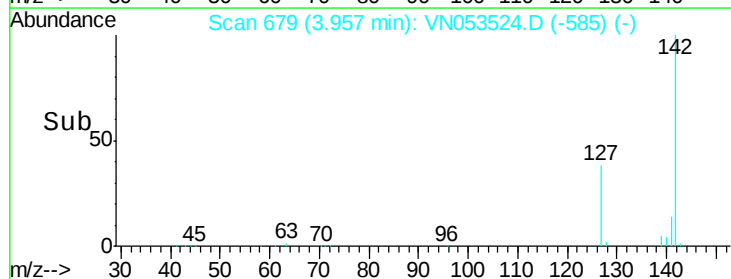
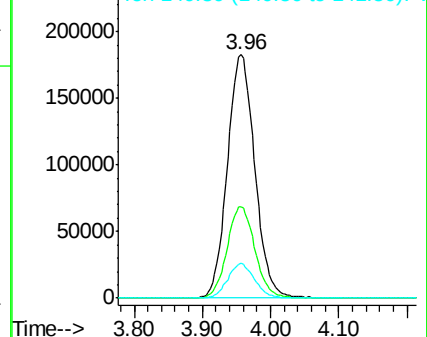
141 13.9 11.1 16.7

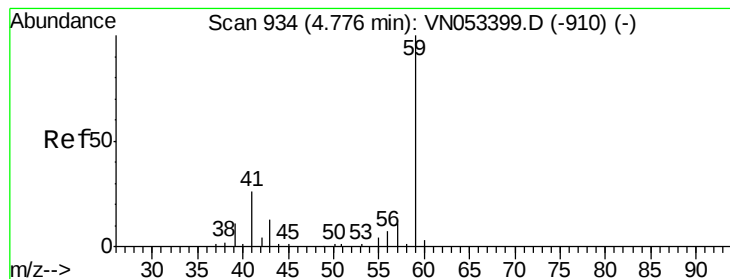


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



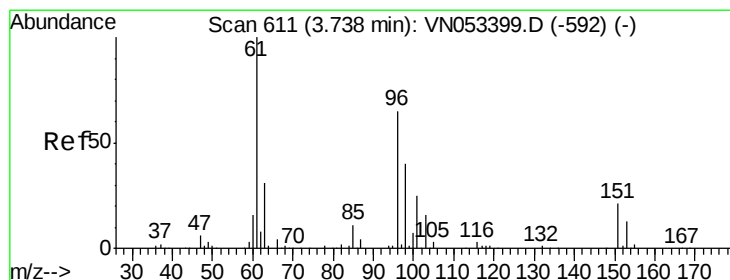
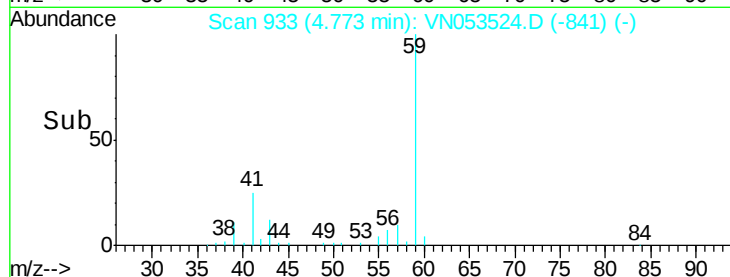
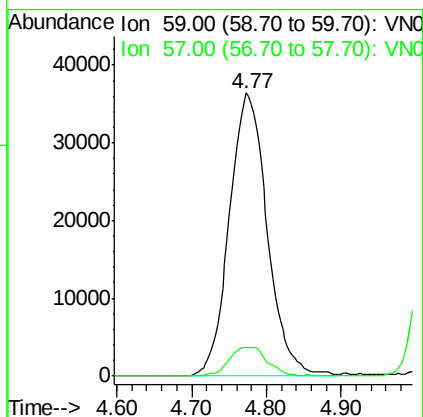
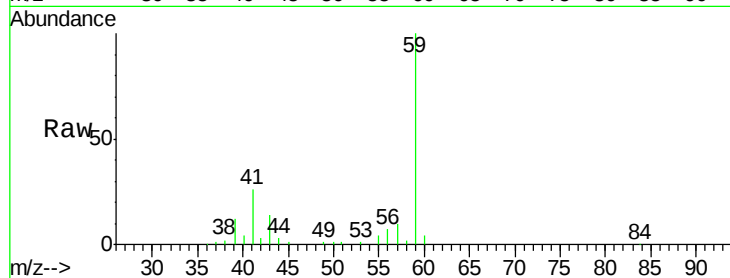


#11

Tert butyl alcohol
 Concen: 361.929 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

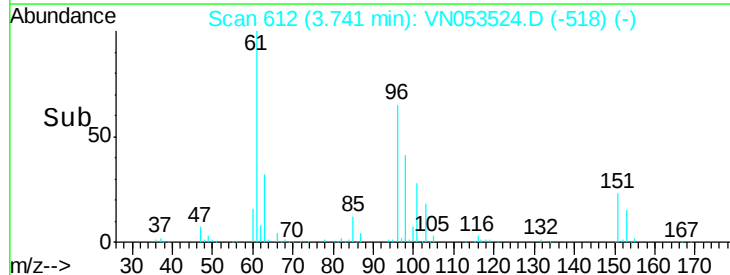
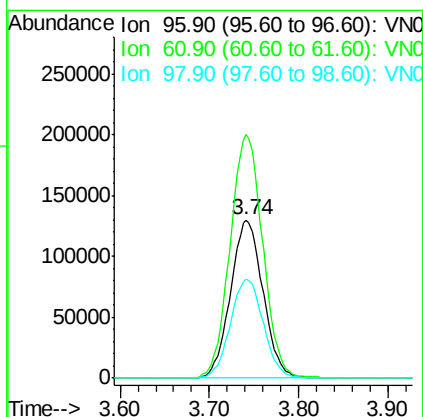
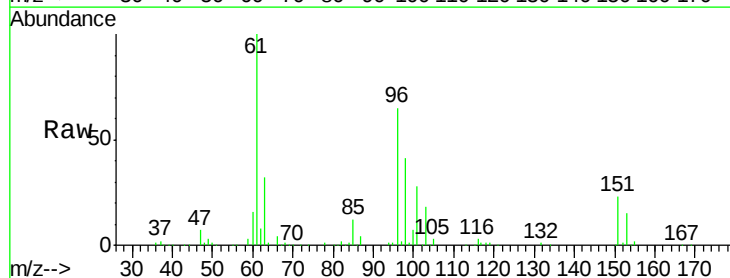
Tot Ion: 59 Resp: 128221
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.2 12.4#

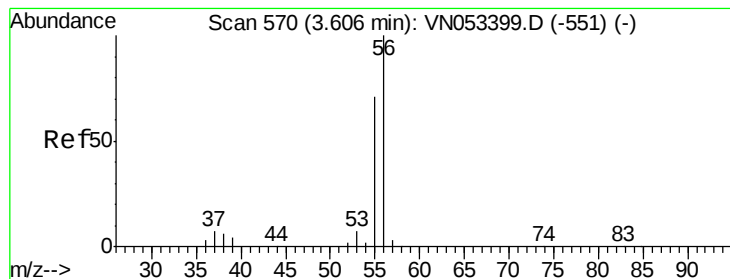


#12

1,1-Dichloroethene
 Concen: 50.393 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 96 Resp: 328642
 Ion Ratio Lower Upper
 96 100
 61 153.8 122.9 184.3
 98 62.6 49.4 74.0





#13

Acrolein

Concen: 314.995 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

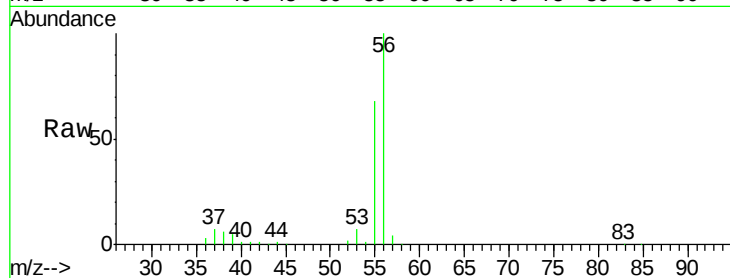
VSTDCCC050EC

Tot Ion: 56 Resp: 222251

Ion Ratio Lower Upper

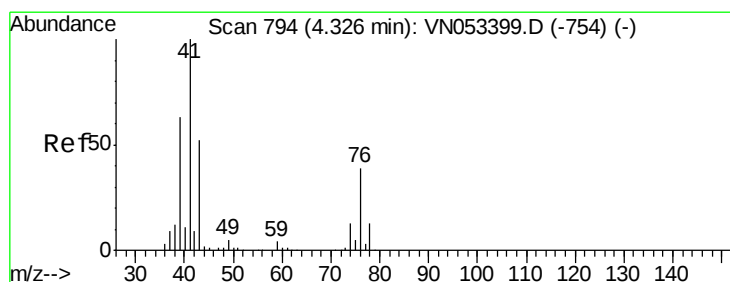
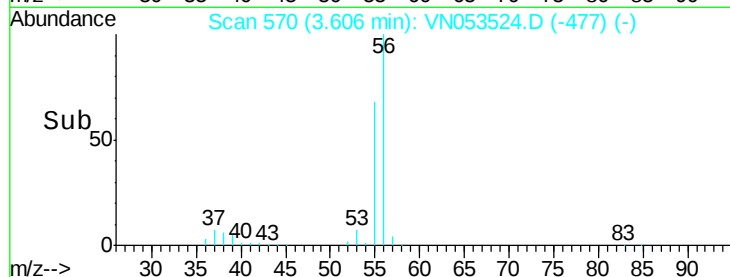
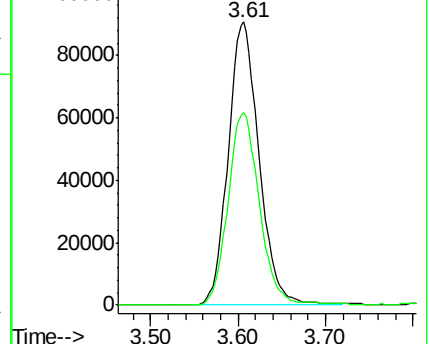
56 100

55 69.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.923 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

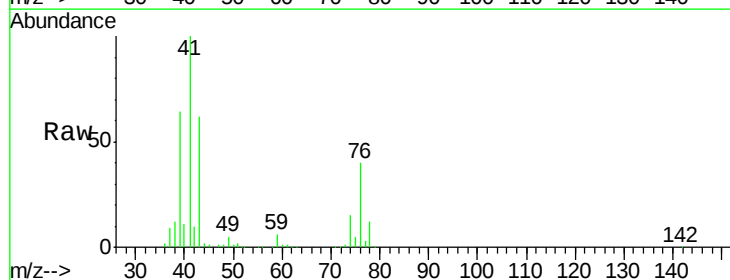
Tgt Ion: 41 Resp: 518247

Ion Ratio Lower Upper

41 100

39 64.9 48.9 73.3

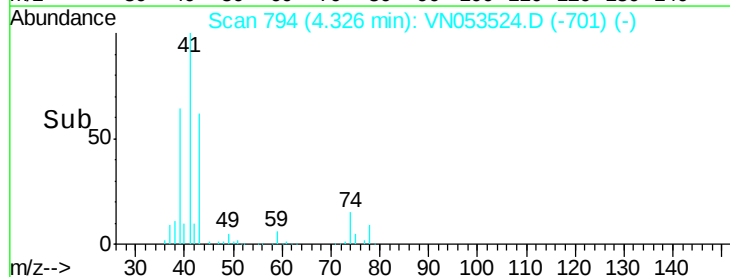
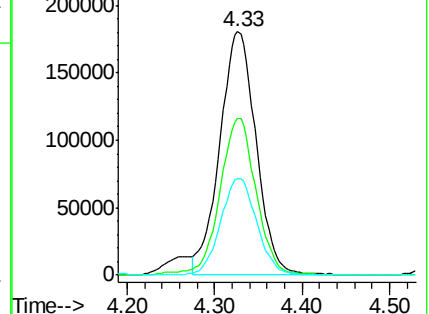
76 39.2 29.4 44.2

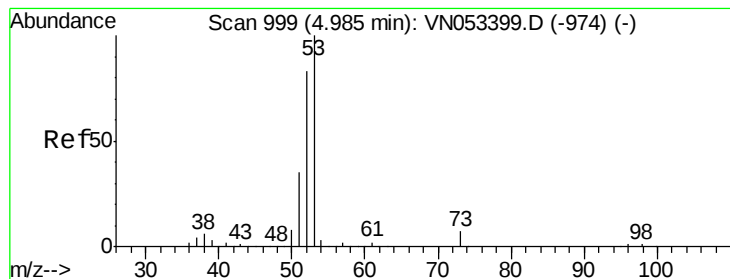


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 288.353 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

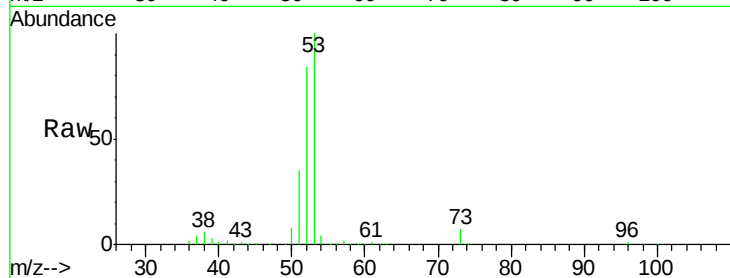
Tot Ion: 53 Resp: 672295

Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

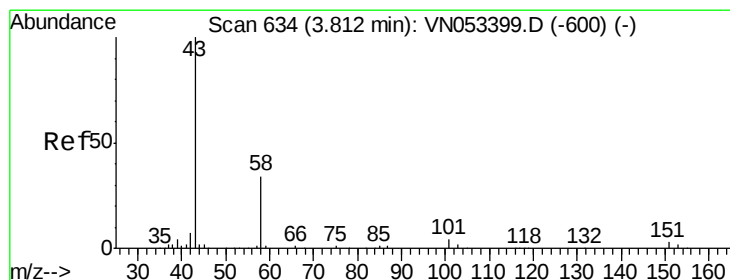
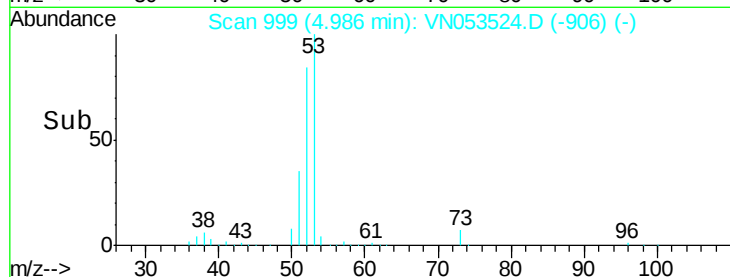
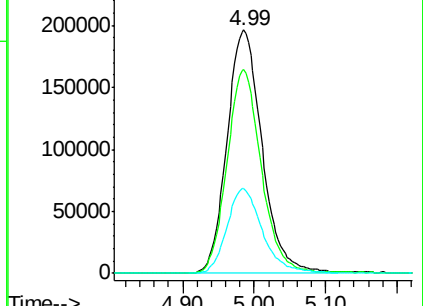
51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 285.985 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053524.D

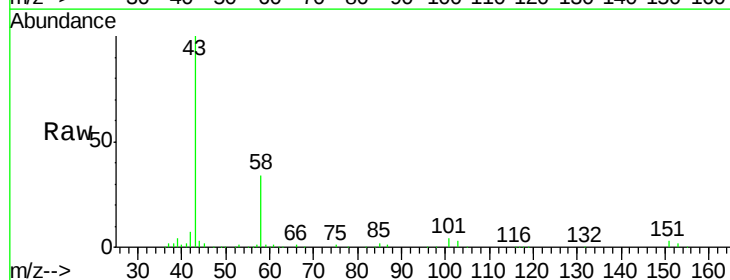
Acq: 22 Jan 2019 17:22

Tgt Ion: 43 Resp: 485790

Ion Ratio Lower Upper

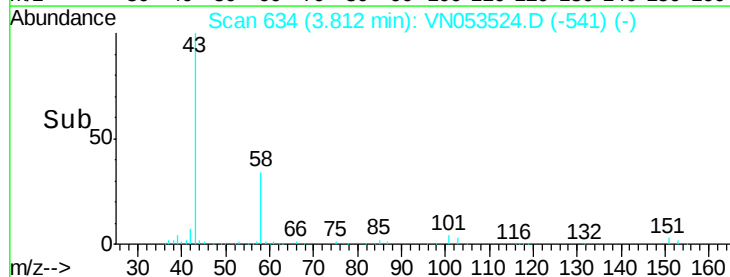
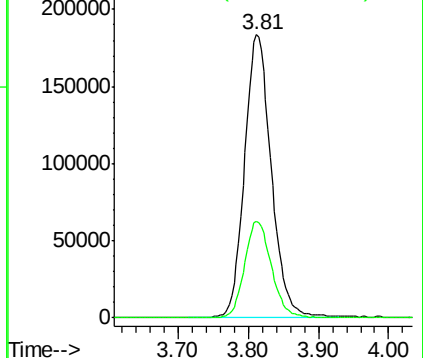
43 100

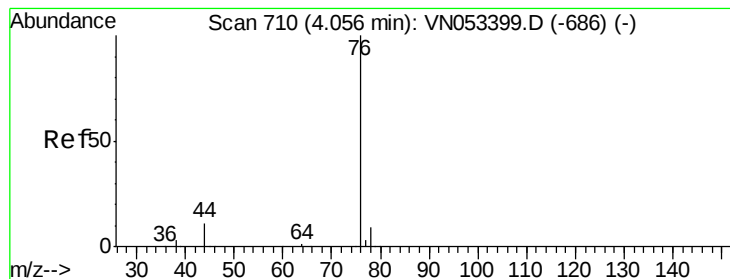
58 34.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 45.924 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

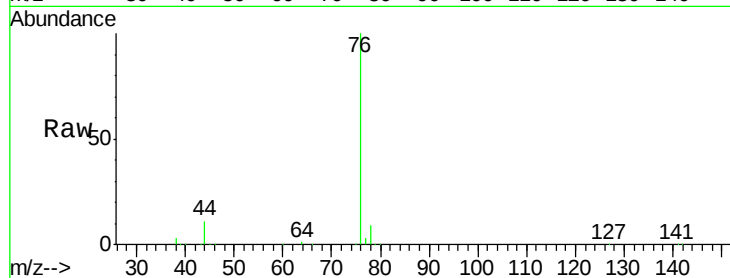
VSTDCCC050EC

Tot Ion: 76 Resp: 905699

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

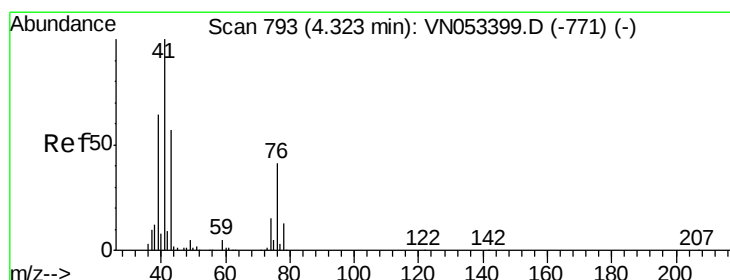
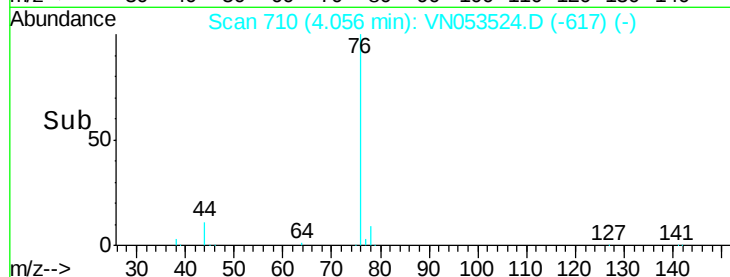
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.847 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053524.D

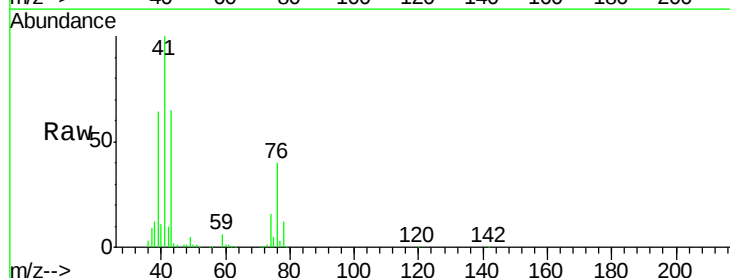
Acq: 22 Jan 2019 17:22

Tgt Ion: 43 Resp: 331062

Ion Ratio Lower Upper

43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

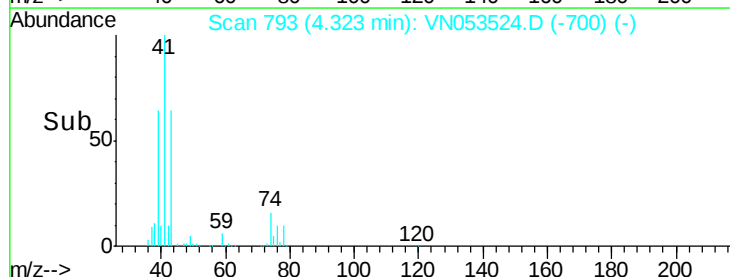
4.32

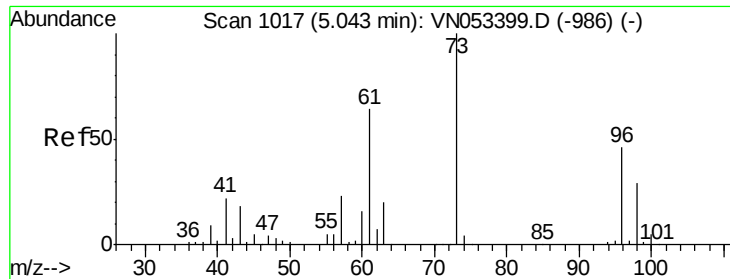
100000

50000

0

Time-->

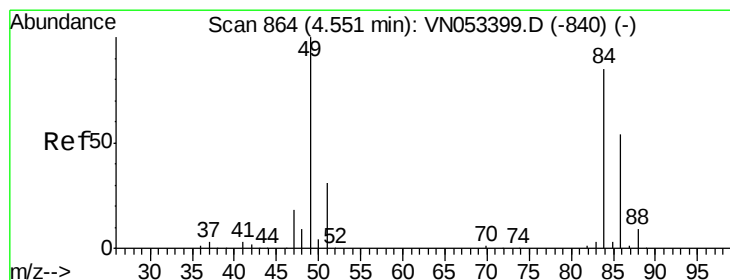
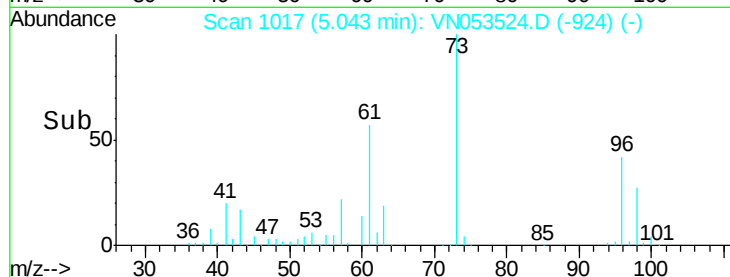
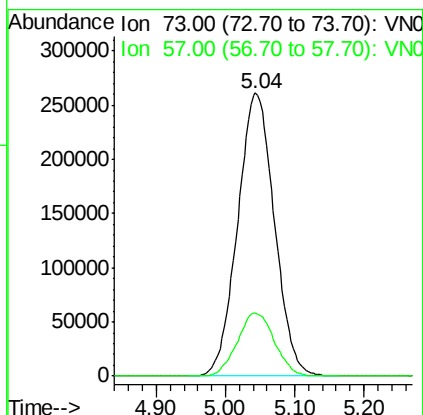
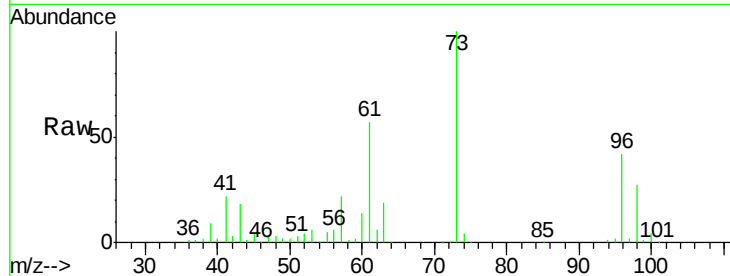




#19
Methvl tert-butvl Ether
Concen: 55.539 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

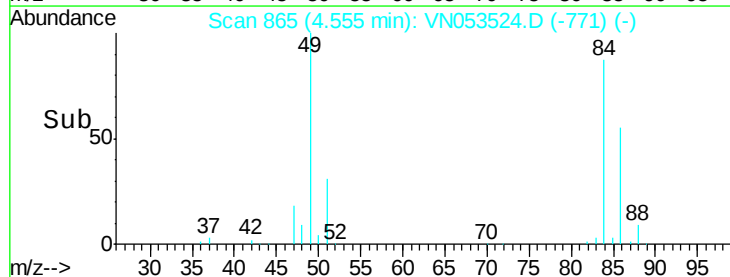
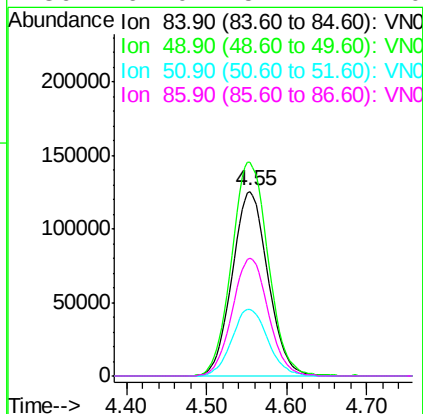
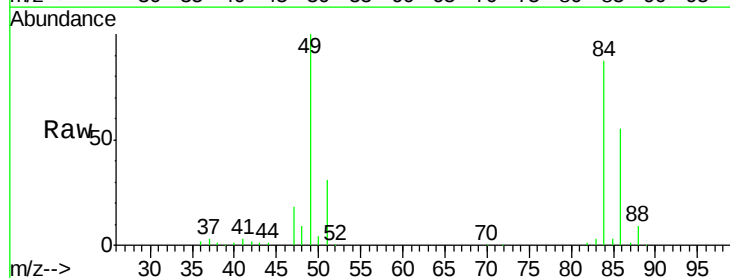
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

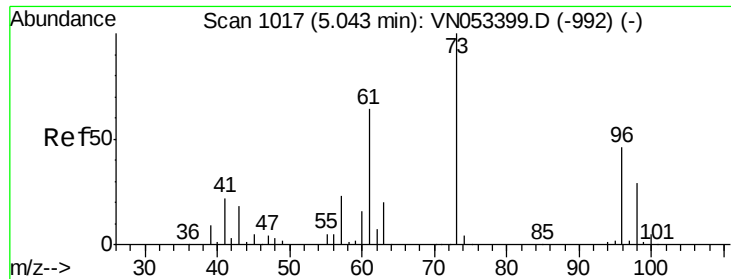
Tot Ion: 73 Resp: 962381
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 49.173 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 84 Resp: 381352
Ion Ratio Lower Upper
84 100
49 115.3 94.3 141.5
51 35.8 29.4 44.2
86 64.0 51.4 77.0

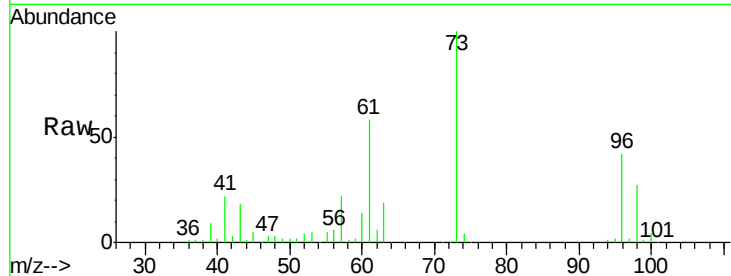




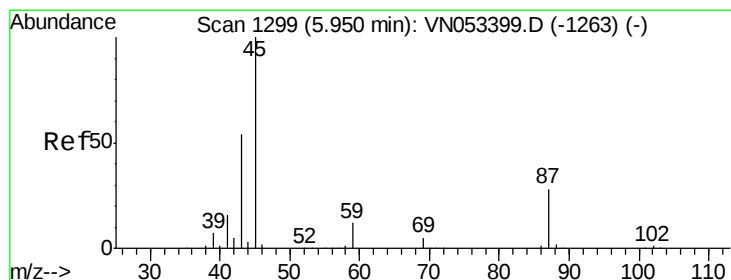
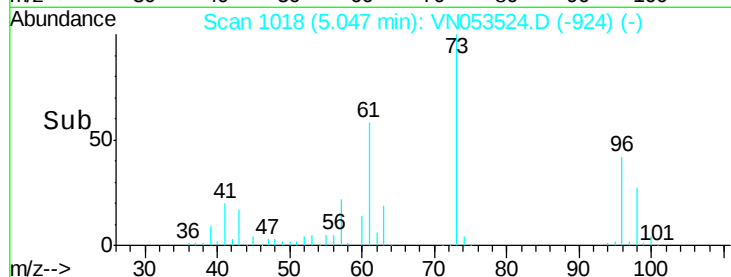
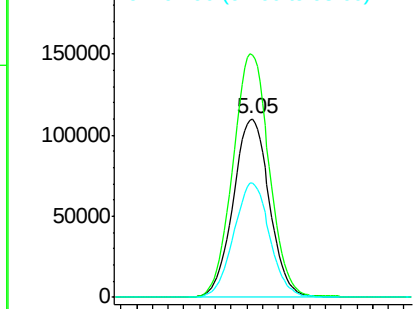
#21
trans-1,2-Dichloroethene
Concen: 50.864 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 354636
Ion Ratio Lower Upper
96 100
61 135.8 110.1 165.1
98 64.3 50.0 75.0

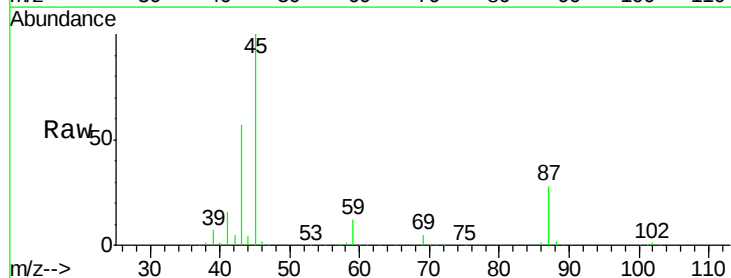


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

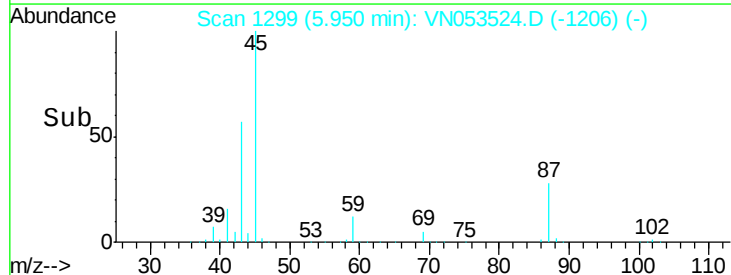
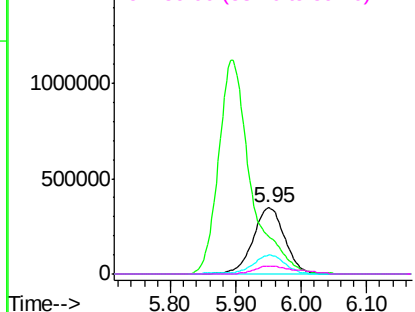


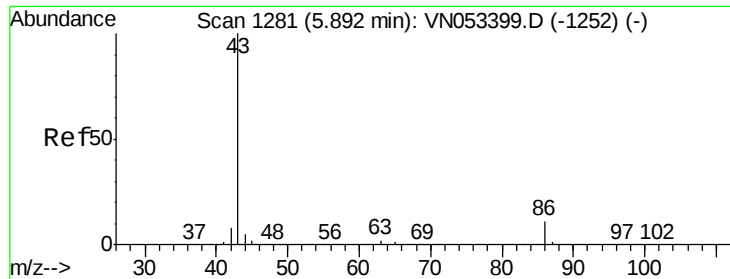
#22
Diisopropyl ether
Concen: 53.157 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 45 Resp: 1175530
Ion Ratio Lower Upper
45 100
43 56.4 44.2 66.4
87 28.2 22.7 34.1
59 12.1 9.4 14.2



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

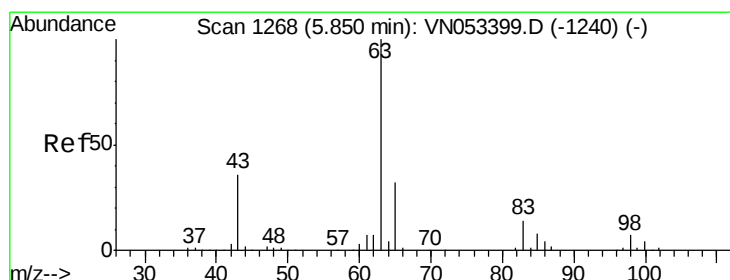
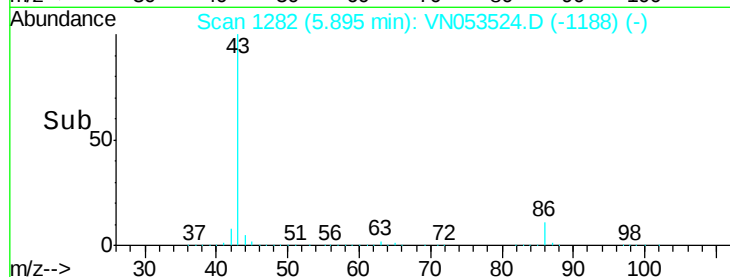
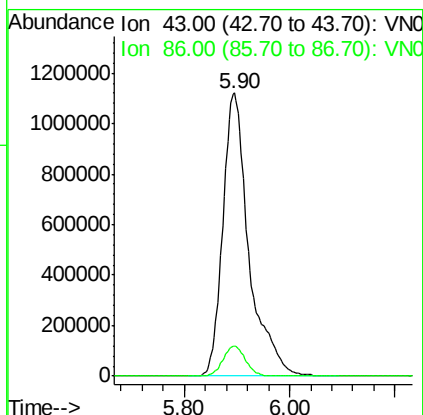
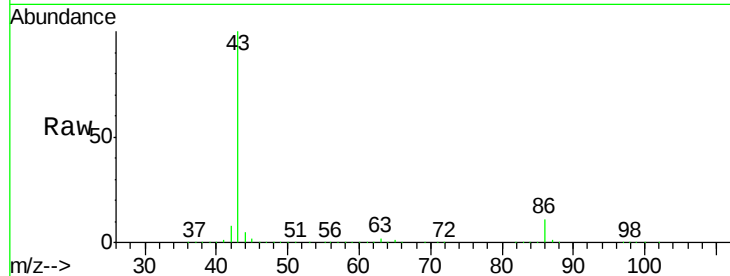




#23
 Vinyl Acetate
 Concen: 282.387 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

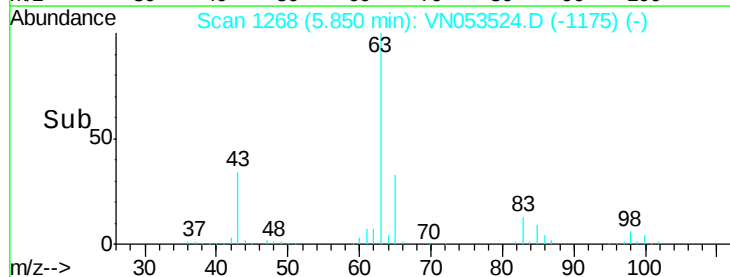
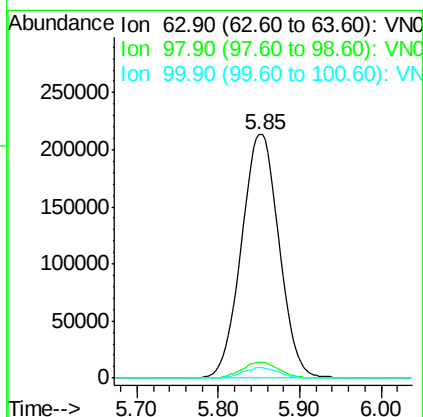
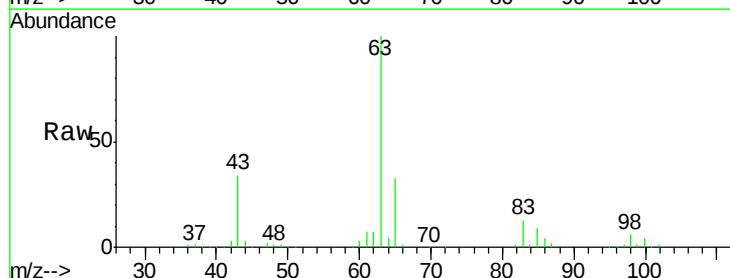
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

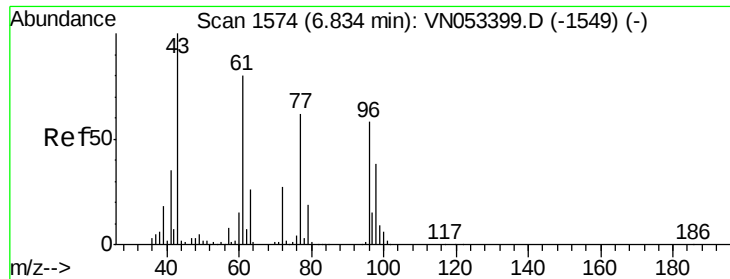
Tot Ion: 43 Resp: 3838739
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 52.077 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 63 Resp: 680804
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 291.829 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

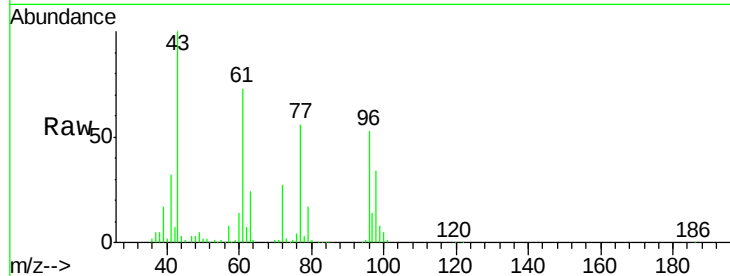
VSTDCCC050EC

Tot Ion: 43 Resp: 763904

Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1549) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1549) (-)

6.83

250000

200000

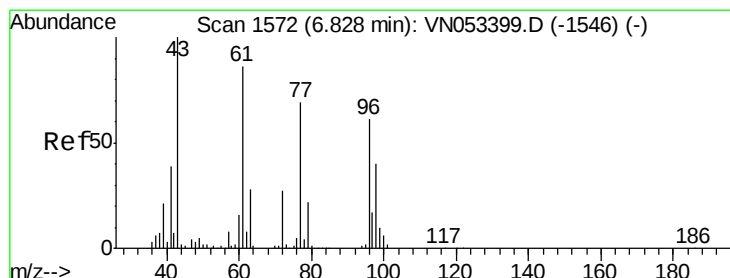
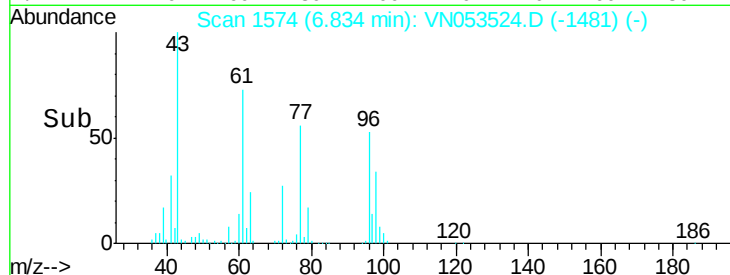
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 51.051 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053524.D

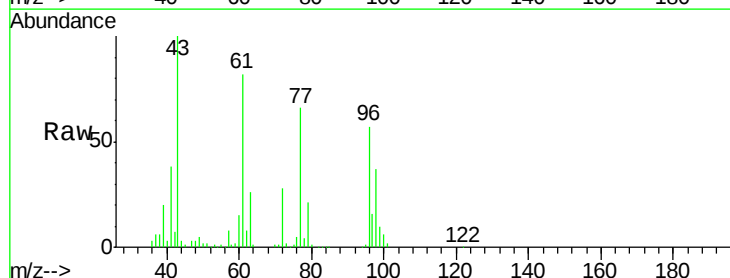
Acq: 22 Jan 2019 17:22

Tgt Ion: 77 Resp: 503897

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN053399.D (-1546) (-)

Ion 96.90 (96.60 to 97.60): VN053399.D (-1546) (-)

6.82

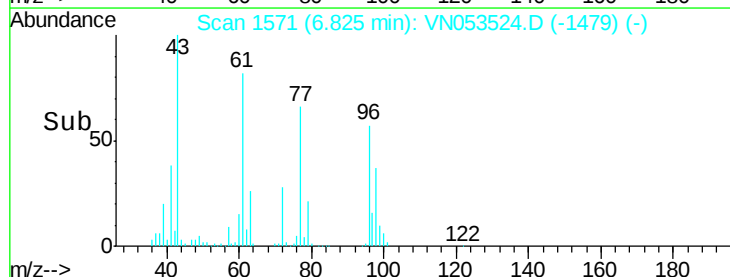
150000

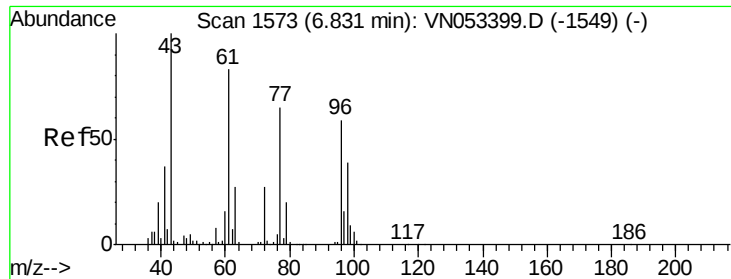
100000

50000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 52.304 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

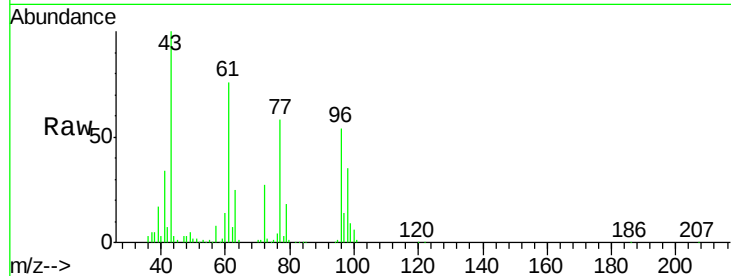
Tot Ion: 96 Resp: 417014

Ion Ratio Lower Upper

96 100

61 141.4 0.0 283.8

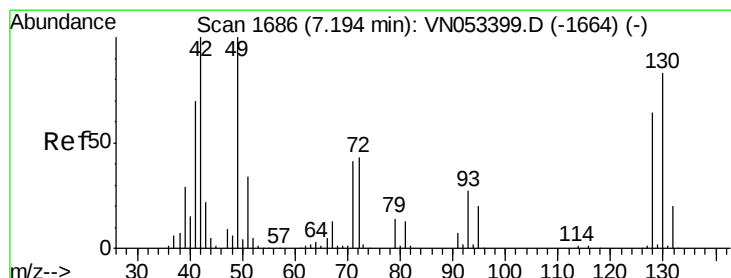
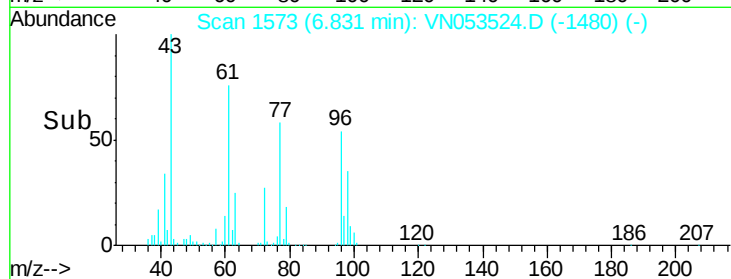
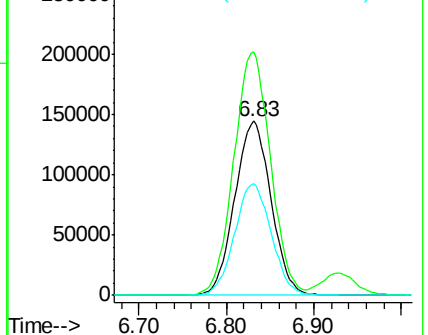
98 64.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.573 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

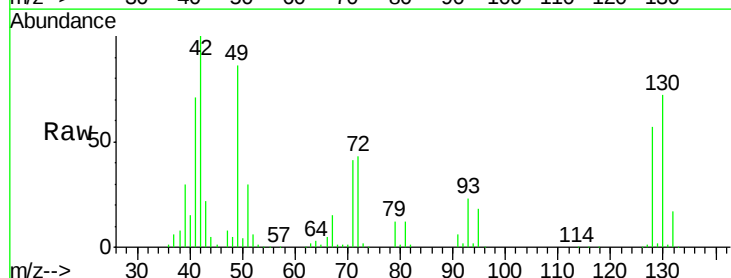
Tgt Ion: 49 Resp: 291263

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.0

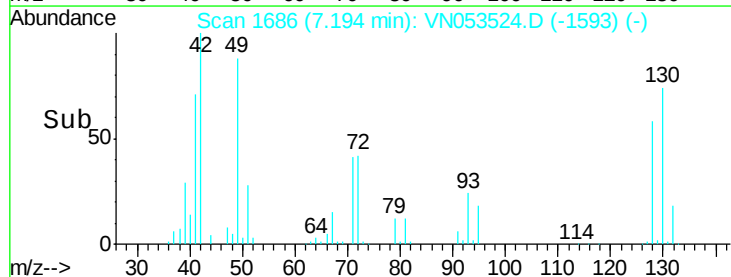
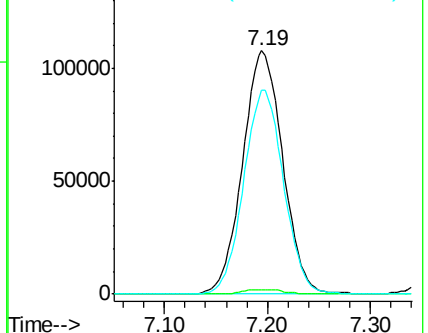
130 83.4 66.3 99.5

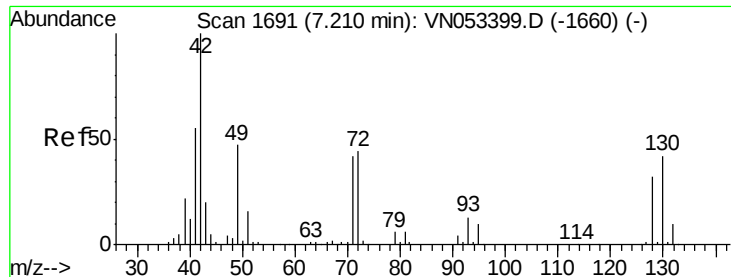


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

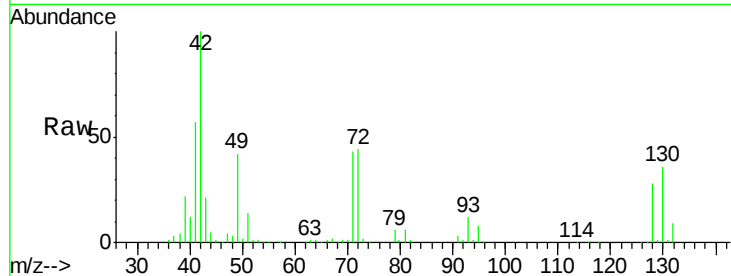




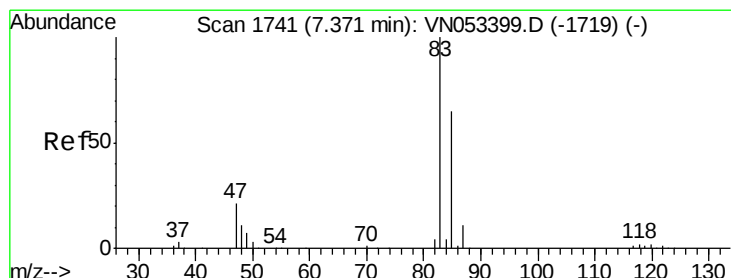
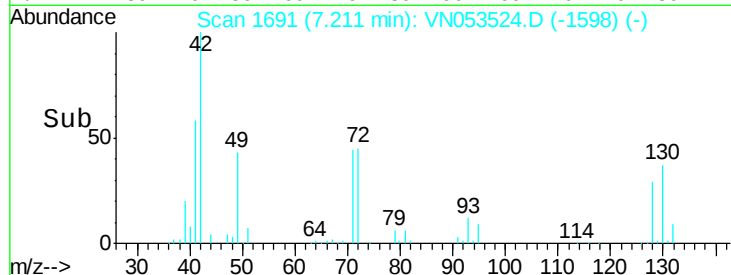
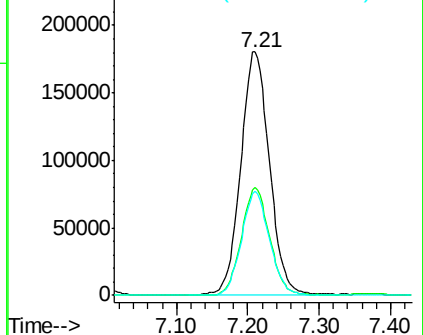
#29
Tetrahydrofuran
Concen: 296.542 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 505335
Ion Ratio Lower Upper
42 100
72 43.6 35.2 52.8
71 41.6 33.0 49.4

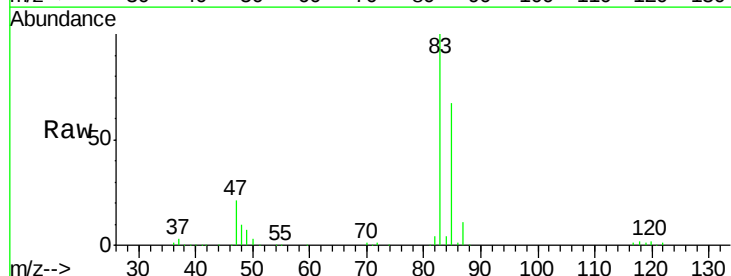


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

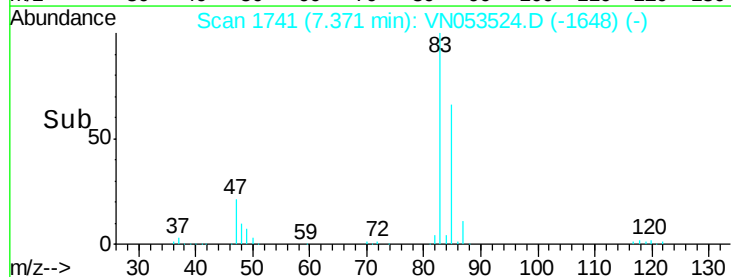
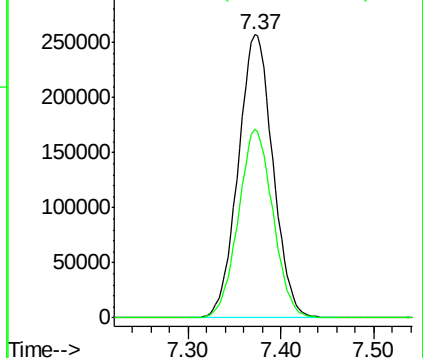


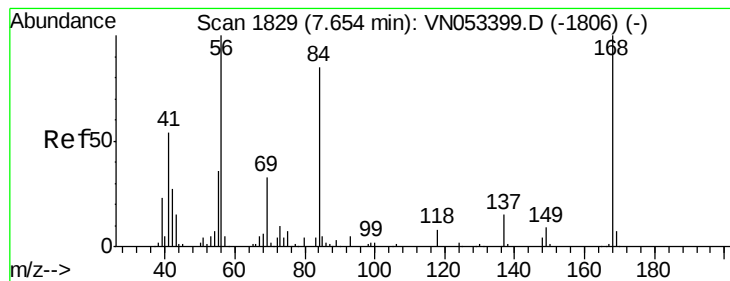
#30
Chloroform
Concen: 52.476 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 83 Resp: 668401
Ion Ratio Lower Upper
83 100
85 66.5 52.2 78.2



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





#31

Cyclohexane

Concen: 47.699 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

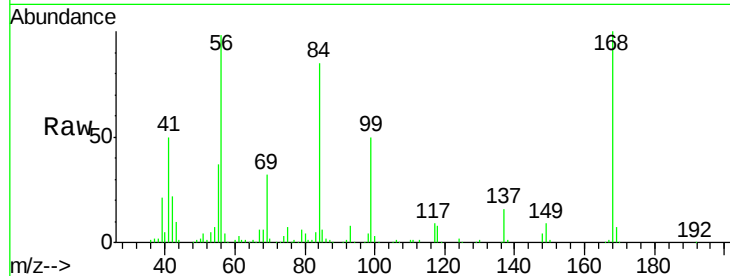
Tot Ion: 56 Resp: 606976

Ion Ratio Lower Upper

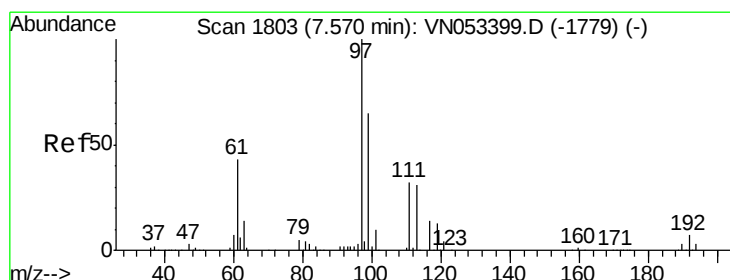
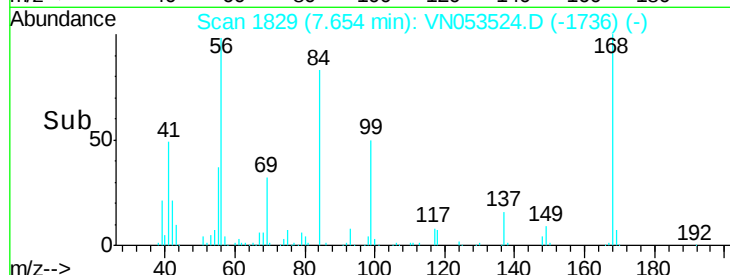
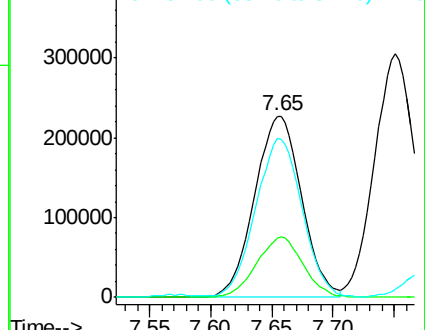
56 100

69 32.8 26.4 39.6

84 86.4 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.841 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

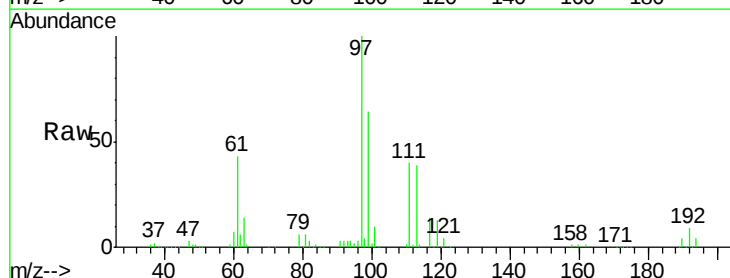
Tgt Ion: 97 Resp: 560138

Ion Ratio Lower Upper

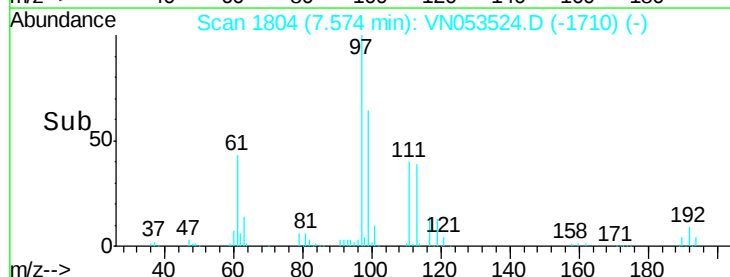
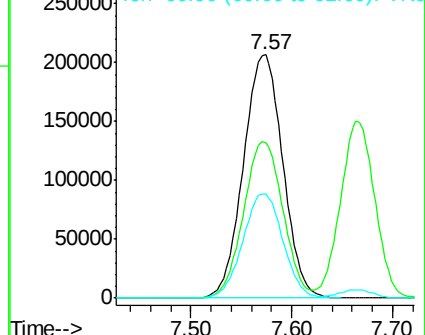
97 100

99 64.5 52.0 78.0

61 43.4 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.841 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

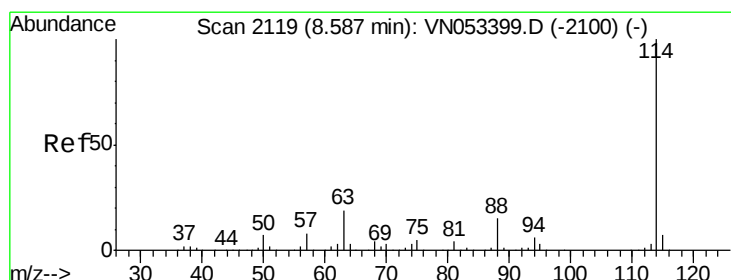
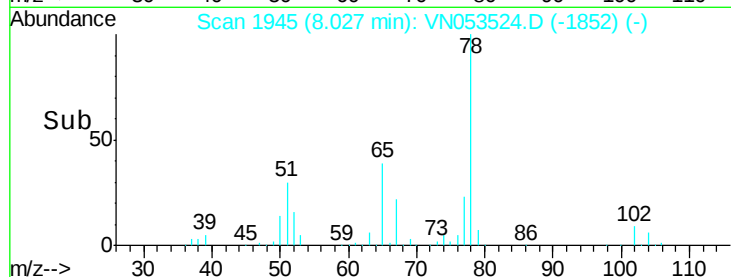
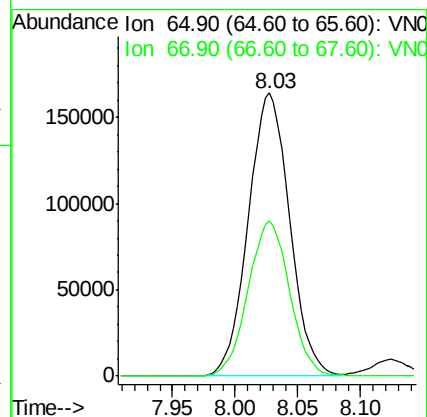
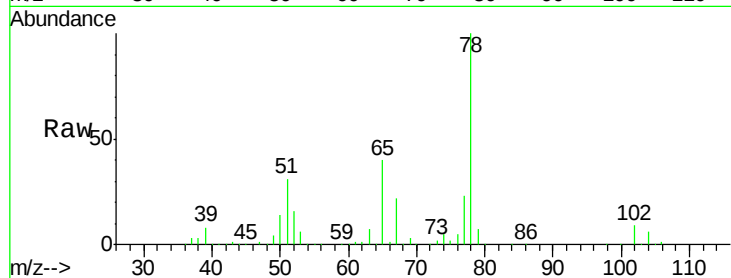
VSTDCCC050EC

Tot Ion: 65 Resp: 375968

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

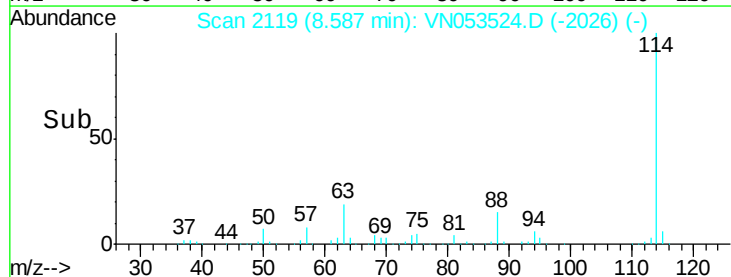
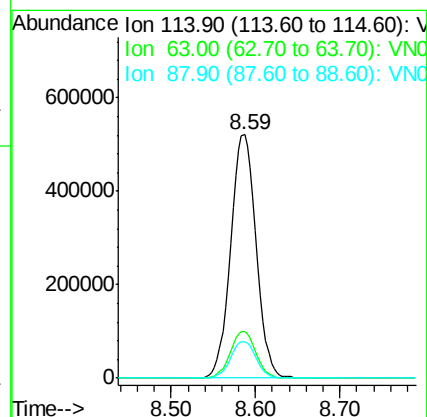
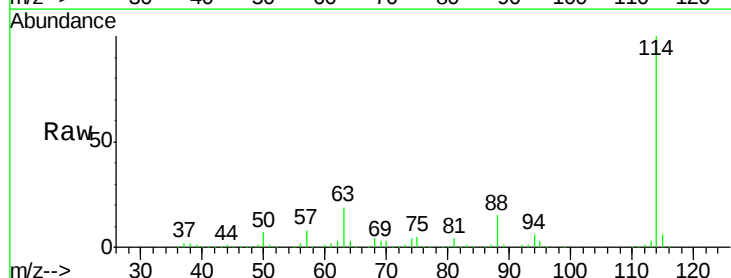
Tgt Ion: 114 Resp: 1092065

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.2 0.0 30.4

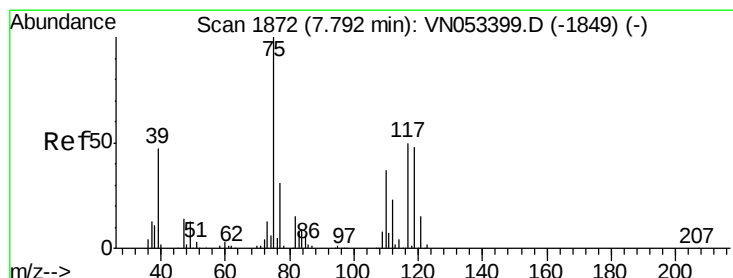
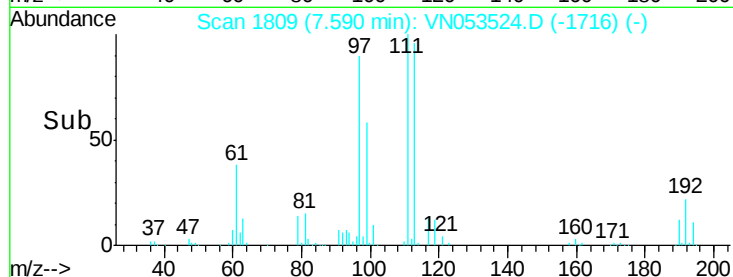
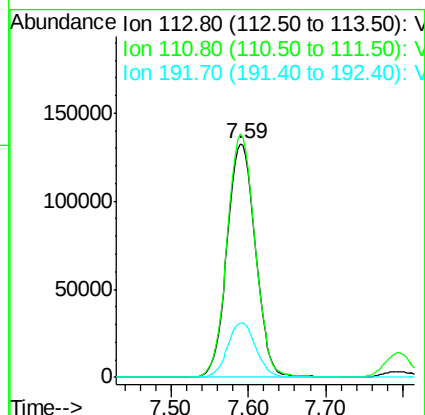
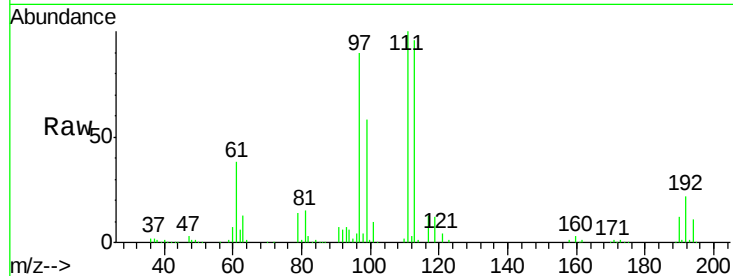




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

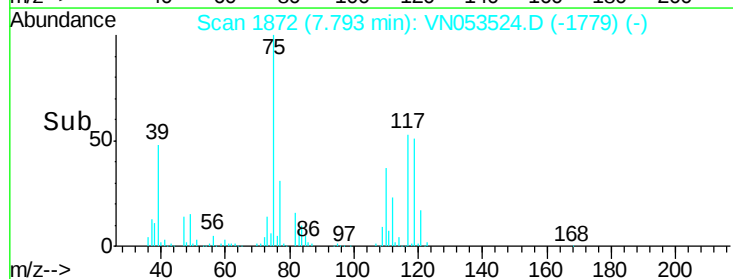
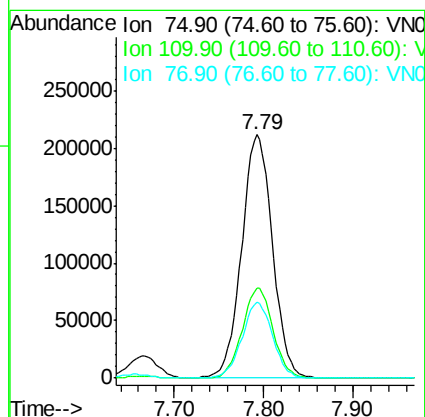
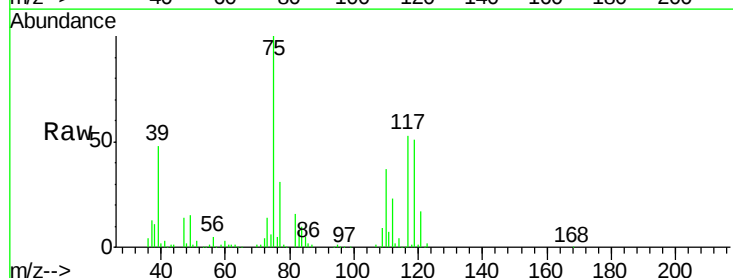
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

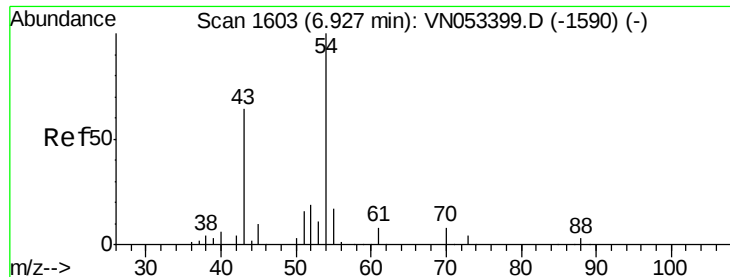
Tot Ion:113 Resp: 337804
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 50.904 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 75 Resp: 506267
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.3
 77 31.1 25.1 37.7

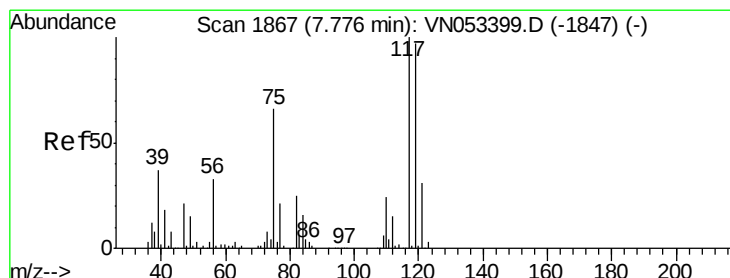
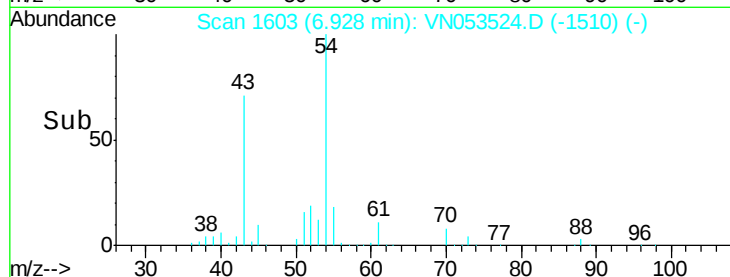
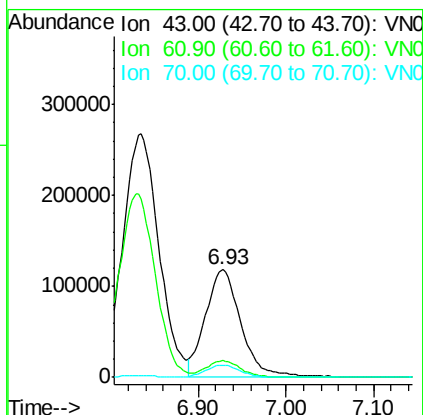
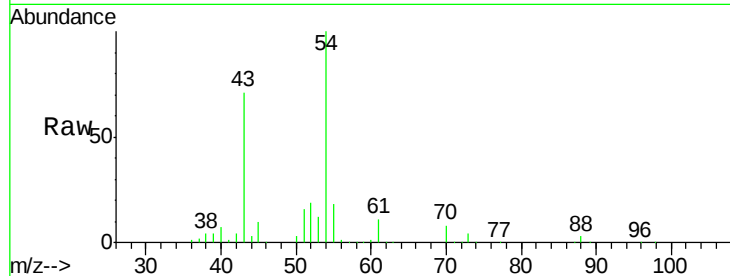




#37
Ethyl Acetate
Concen: 57.549 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

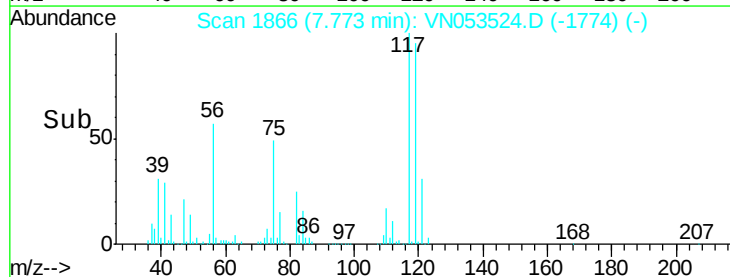
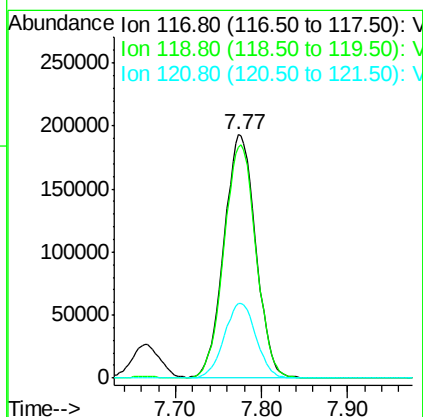
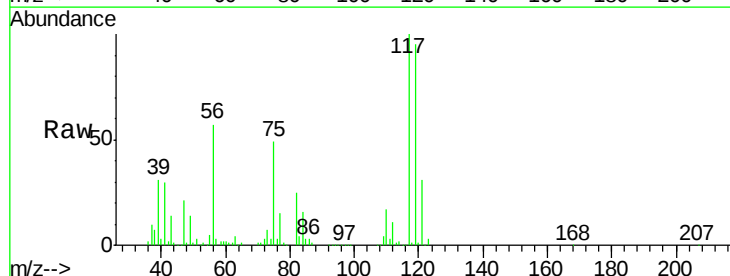
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

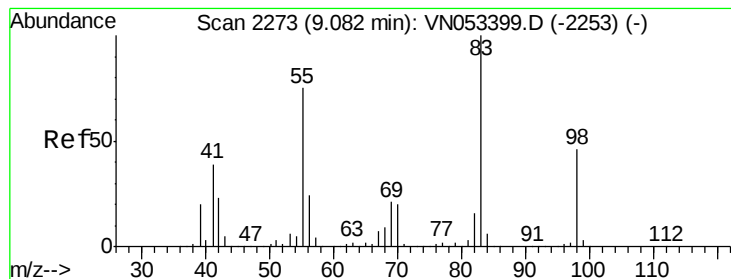
Tot Ion: 43 Resp: 329292
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.463 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 117 Resp: 493982
Ion Ratio Lower Upper
117 100
119 95.0 77.2 115.8
121 30.7 24.6 37.0

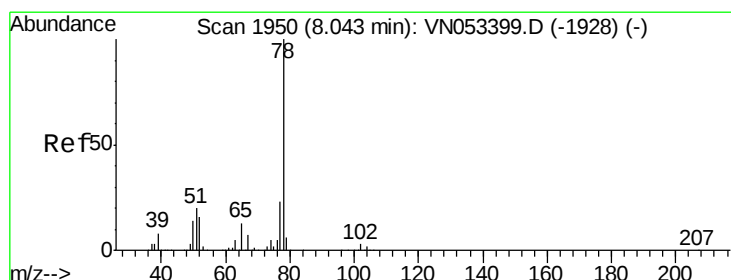
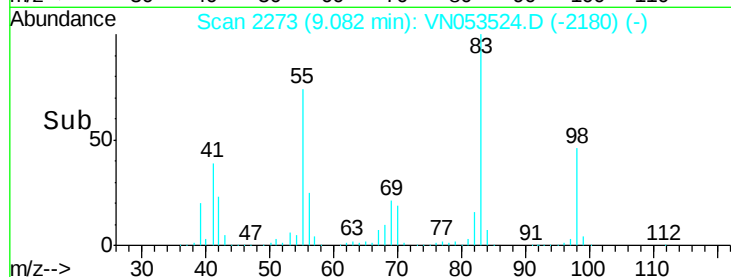
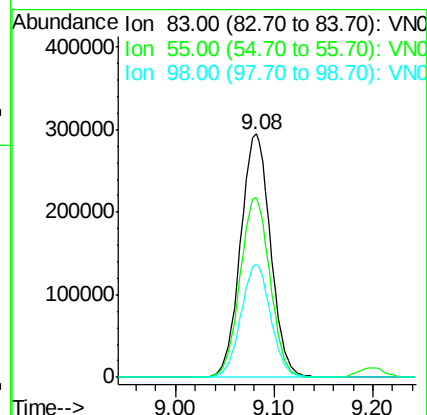
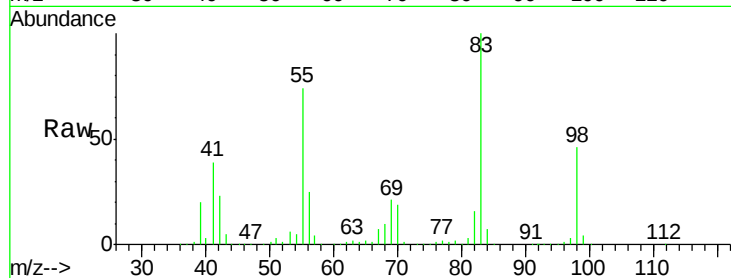




#39
Methylvlcyclohexane
Concen: 50.435 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

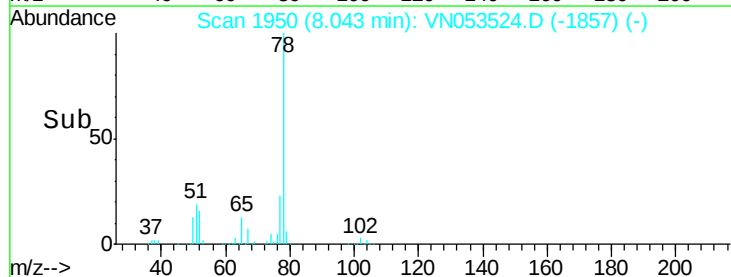
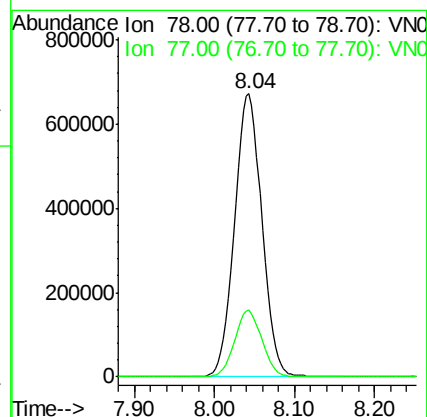
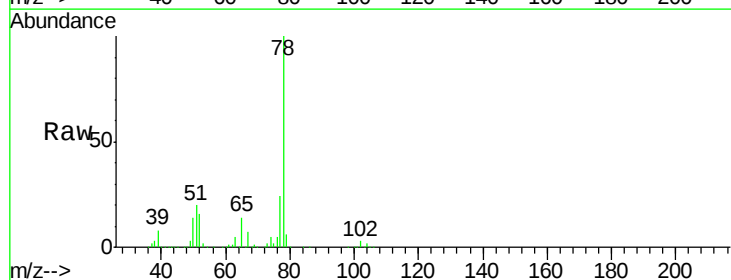
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

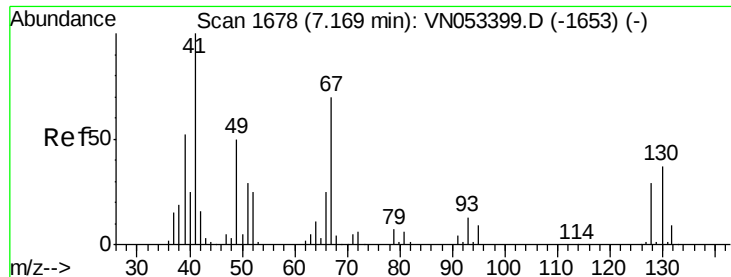
Tot Ion: 83 Resp: 619980
Ion Ratio Lower Upper
83 100
55 73.8 60.1 90.1
98 46.5 36.6 55.0



#40
Benzene
Concen: 51.692 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 78 Resp: 1562278
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

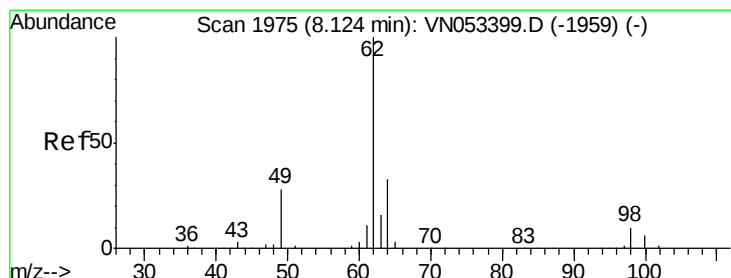
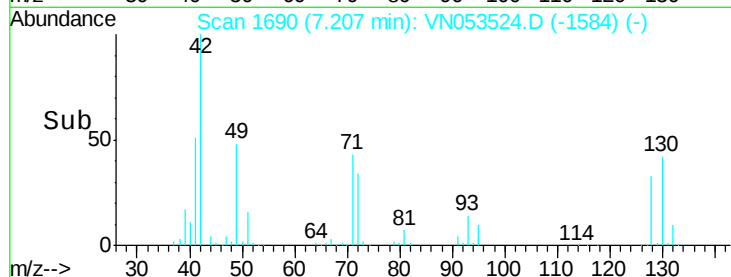
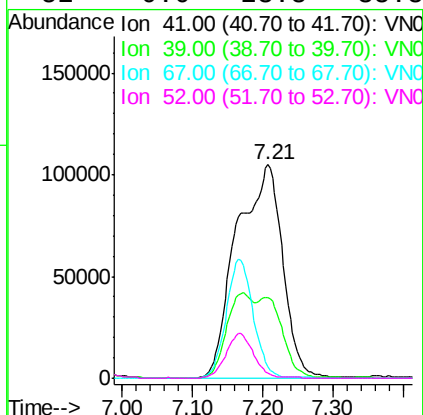
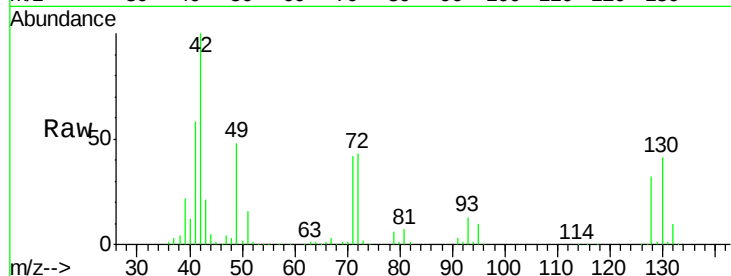




#41
Methacrylonitrile
Concen: 138.855 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

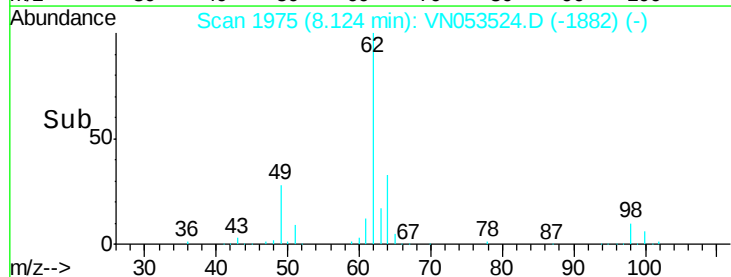
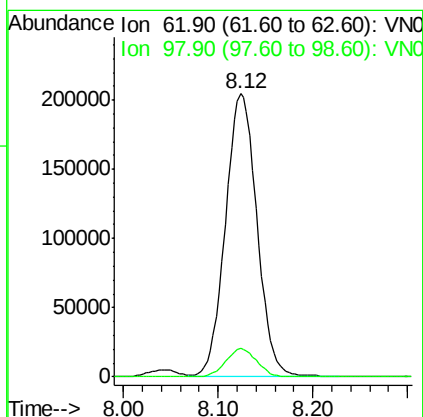
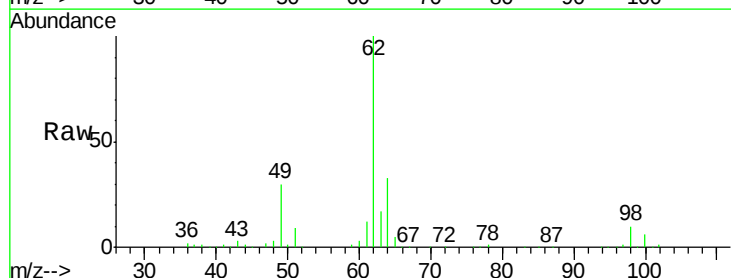
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

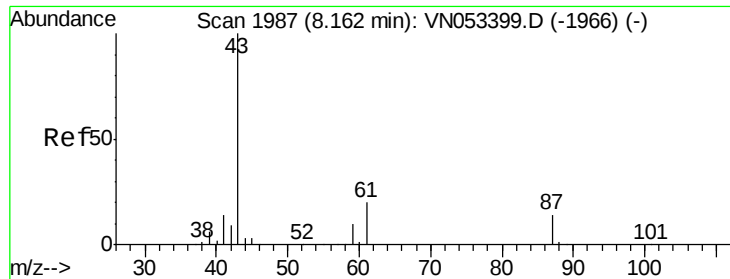
Tot Ion: 41 Resp: 476201
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 53.573 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 62 Resp: 471696
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 57.669 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

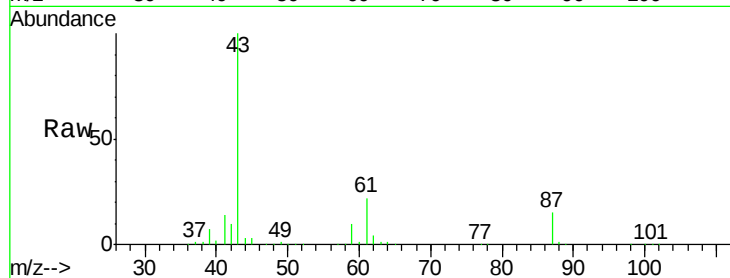
Tot Ion: 43 Resp: 593348

Ion Ratio Lower Upper

43 100

61 29.9 23.9 35.9

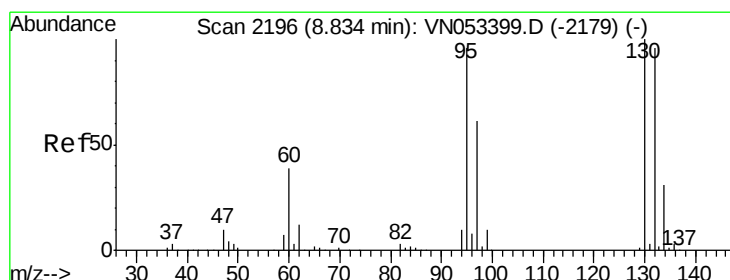
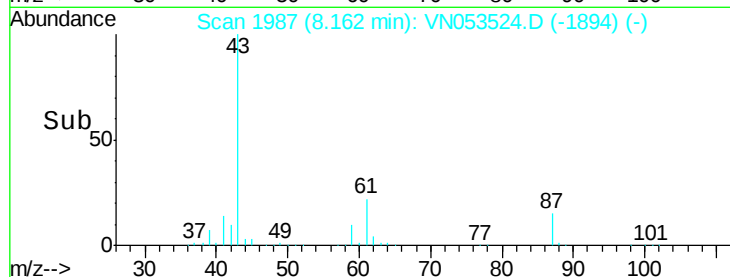
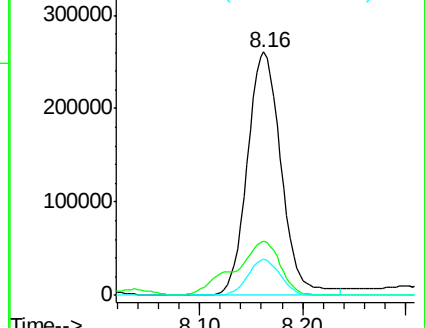
87 14.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 51.859 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053524.D

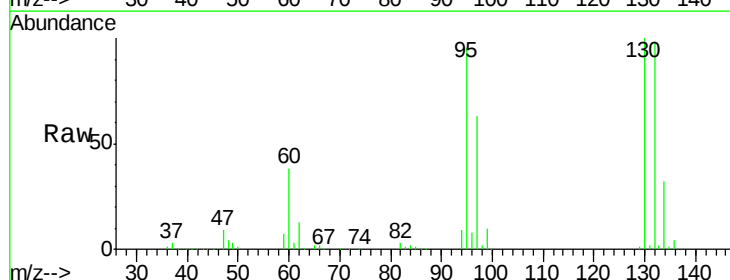
Acq: 22 Jan 2019 17:22

Tgt Ion:130 Resp: 434640

Ion Ratio Lower Upper

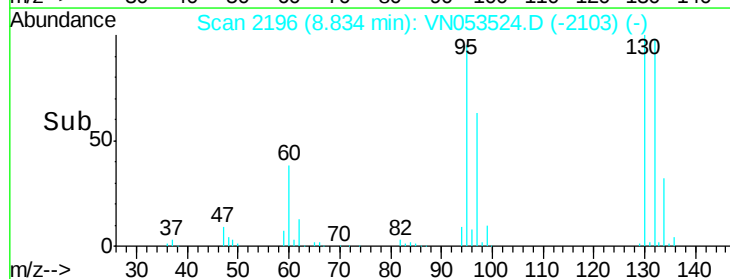
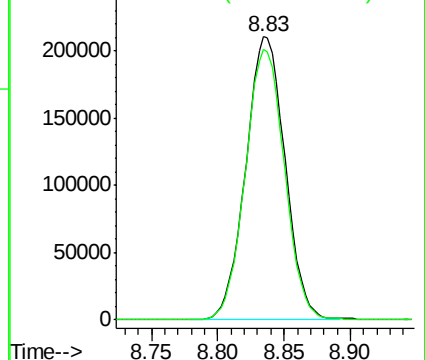
130 100

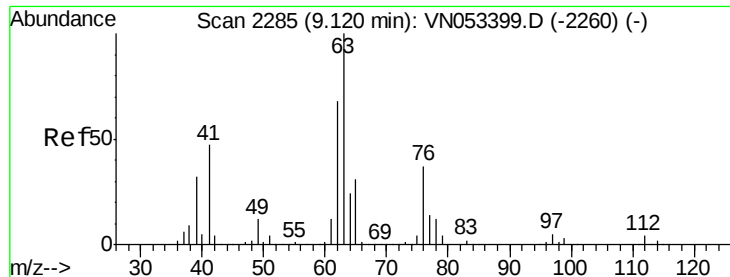
95 95.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 51.892 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

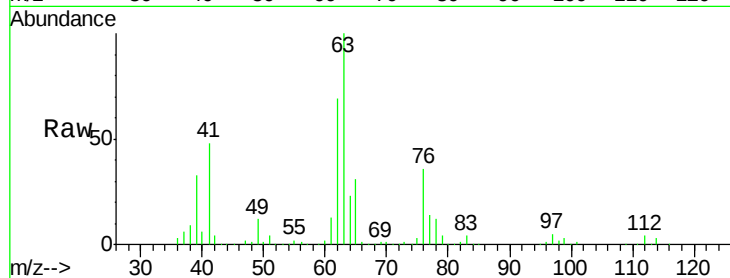
VSTDCCC050EC

Tot Ion: 63 Resp: 415399

Ion Ratio Lower Upper

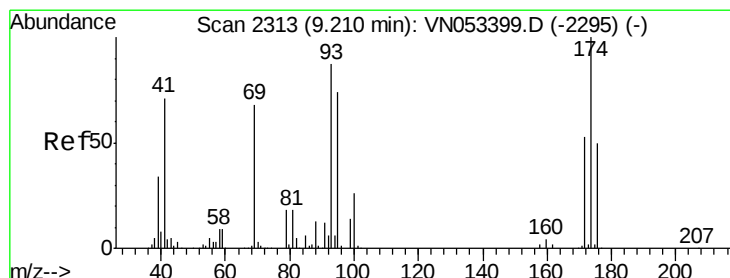
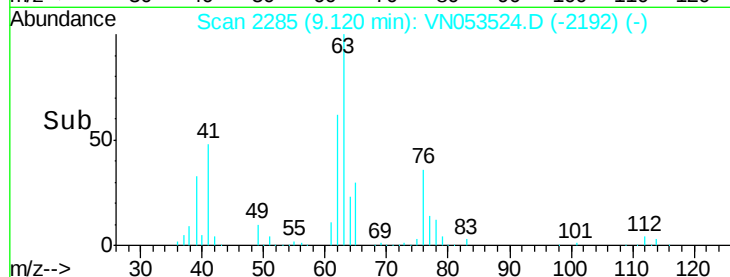
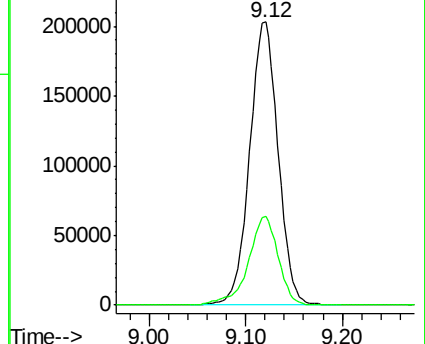
63 100

65 31.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.902 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

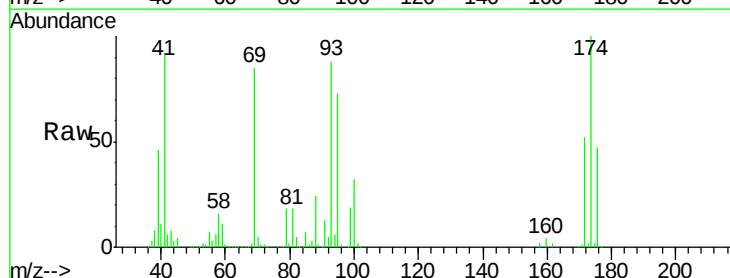
Tgt Ion: 93 Resp: 247906

Ion Ratio Lower Upper

93 100

95 82.6 67.3 100.9

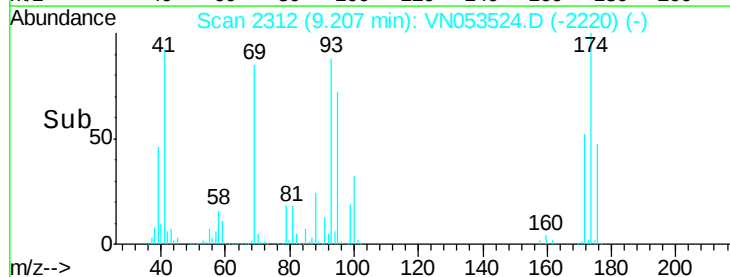
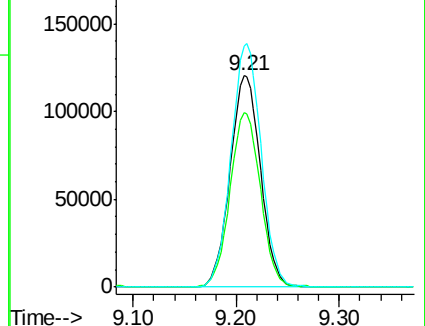
174 113.9 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

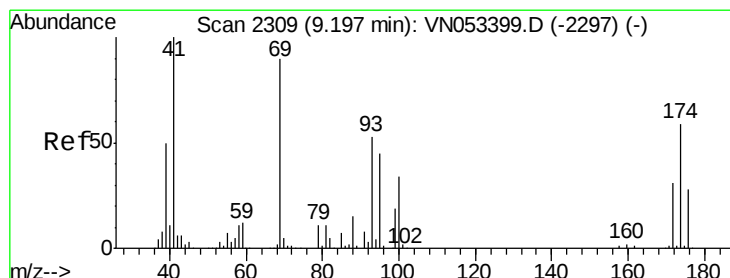
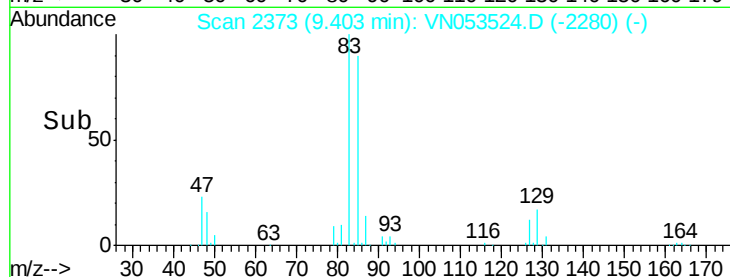
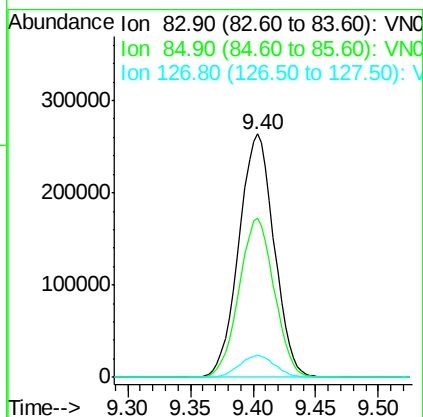
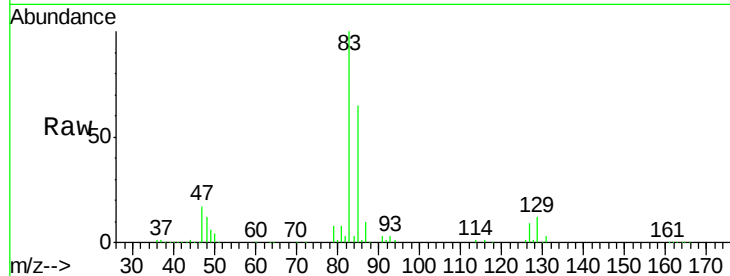




#47
Bromodichloromethane
Concen: 53.441 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

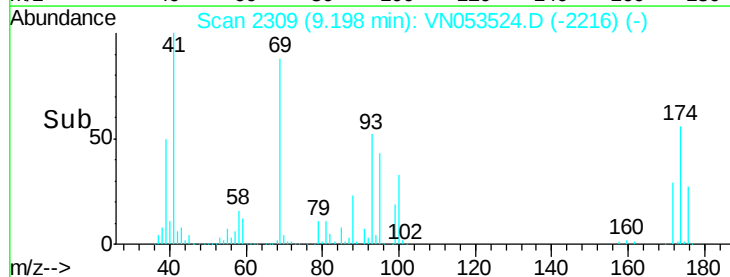
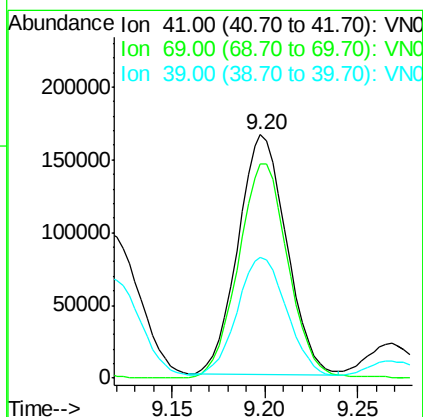
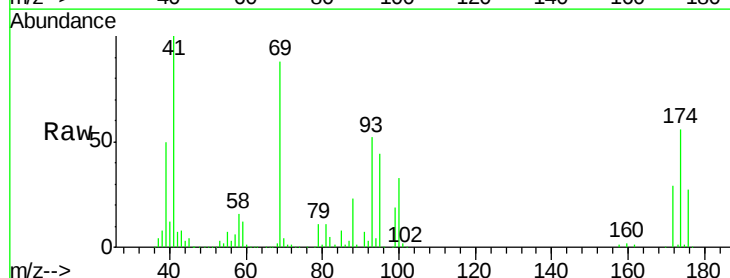
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

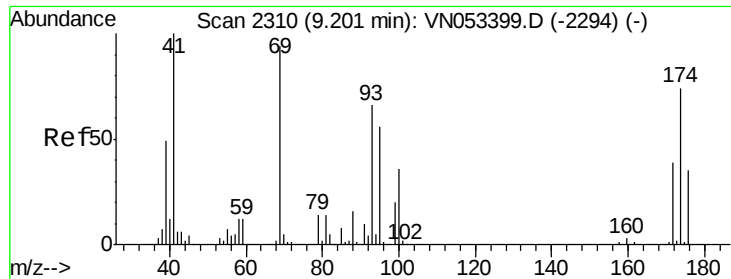
Tot Ion: 83 Resp: 516883
Ion Ratio Lower Upper
83 100
85 65.4 51.0 76.6
127 8.9 7.0 10.6



#48
Methyl methacrylate
Concen: 56.328 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 41 Resp: 299233
Ion Ratio Lower Upper
41 100
69 91.8 73.8 110.6
39 52.5 40.0 60.0





#49

1,4-Dioxane

Concen: 1536.786 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

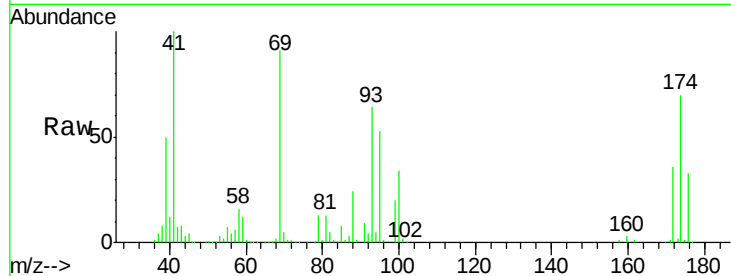
Tot Ion: 88 Resp: 79731

Ion Ratio Lower Upper

88 100

43 31.5 27.8 41.6

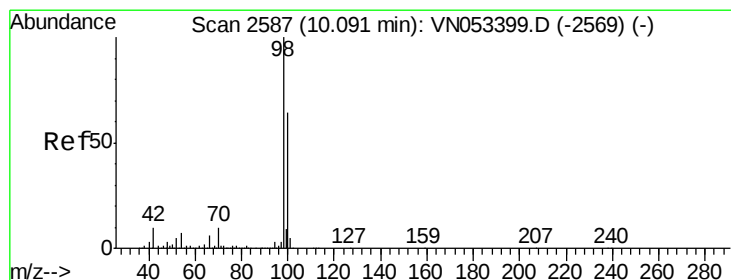
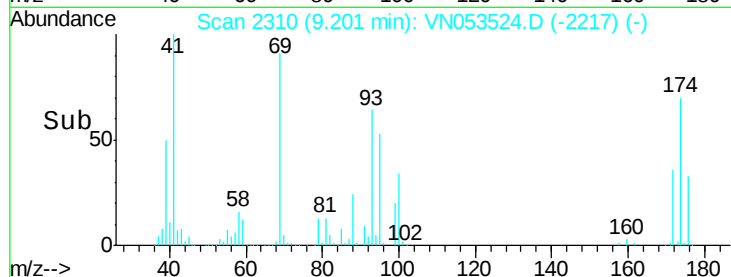
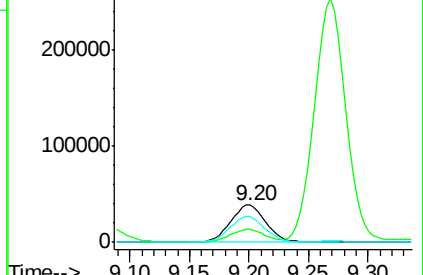
58 68.8 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 1536.786 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053524.D

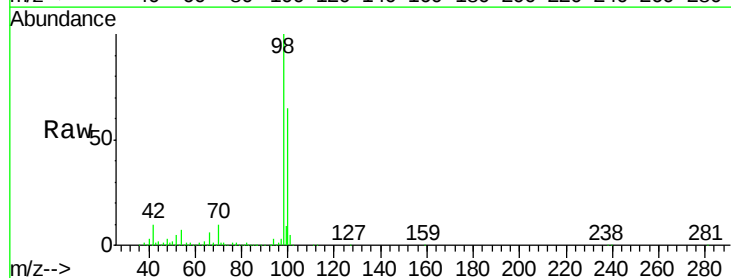
Acq: 22 Jan 2019 17:22

Tgt Ion: 98 Resp: 1340866

Ion Ratio Lower Upper

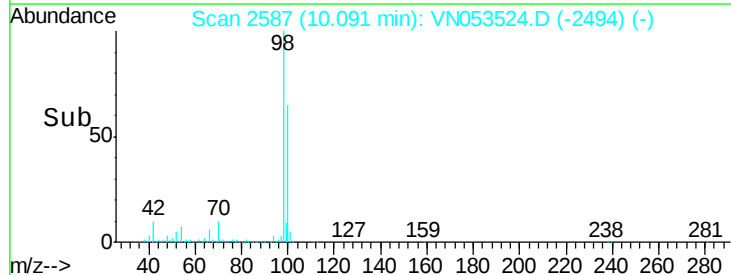
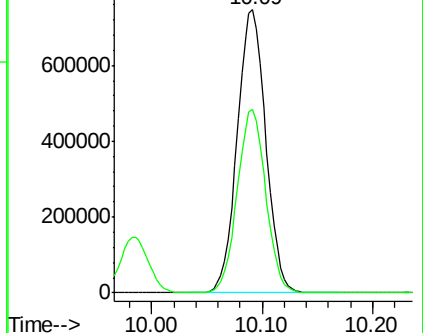
98 100

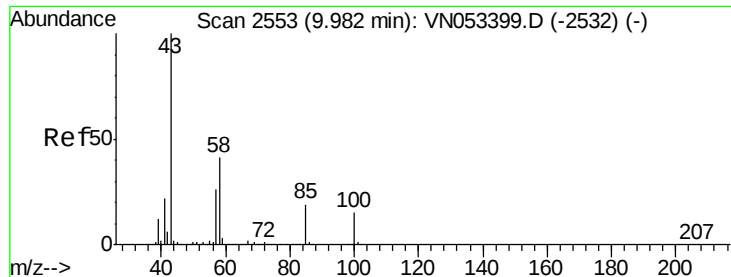
100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

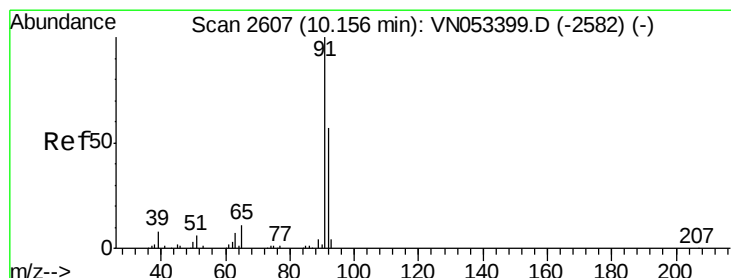
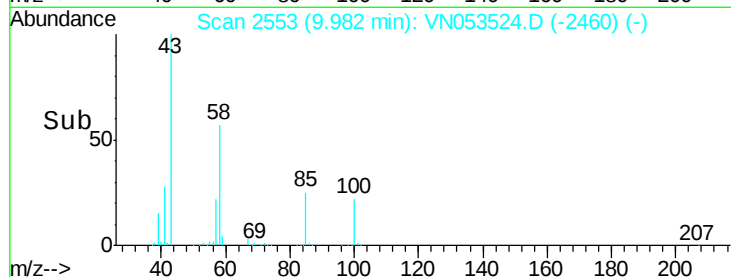
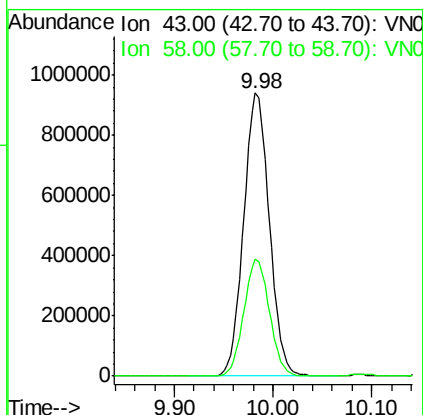
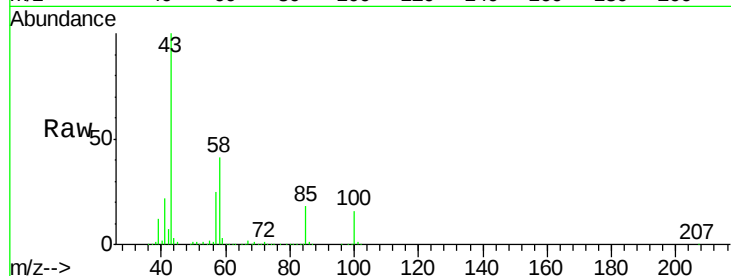




#51
 4-Methyl-2-Pentanone
 Concen: 300.469 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

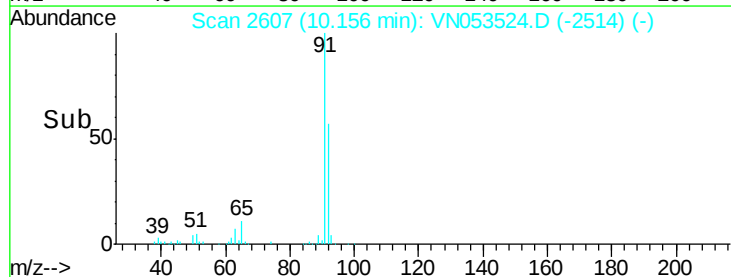
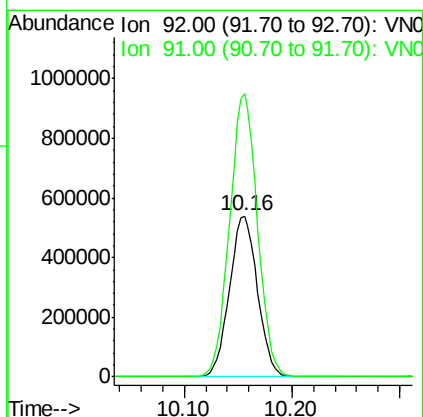
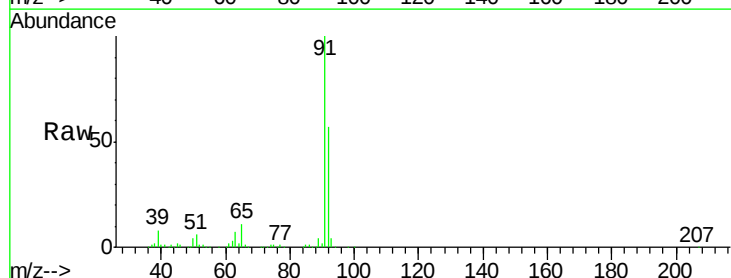
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

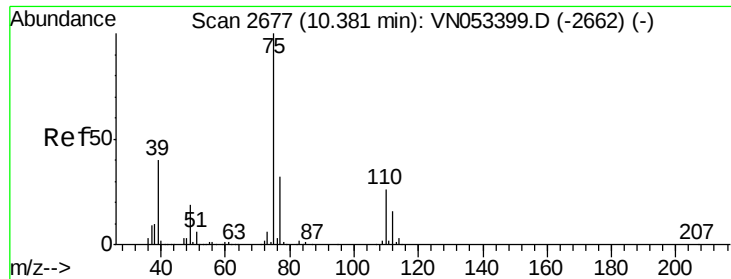
Tot Ion: 43 Resp: 1687609
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.8 49.2



#52
 Toluene
 Concen: 51.896 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 92 Resp: 973721
 Ion Ratio Lower Upper
 92 100
 91 175.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 54.258 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

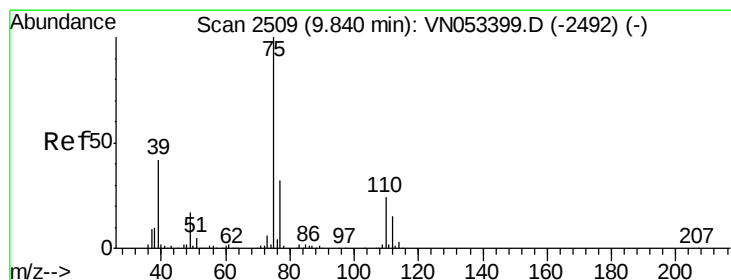
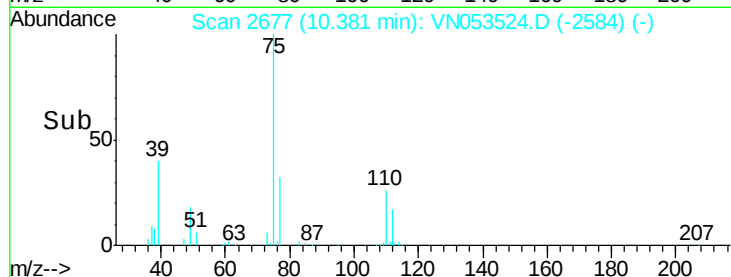
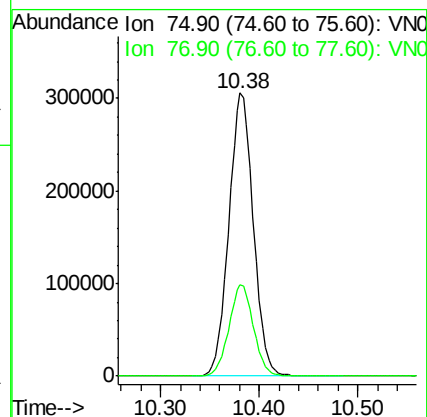
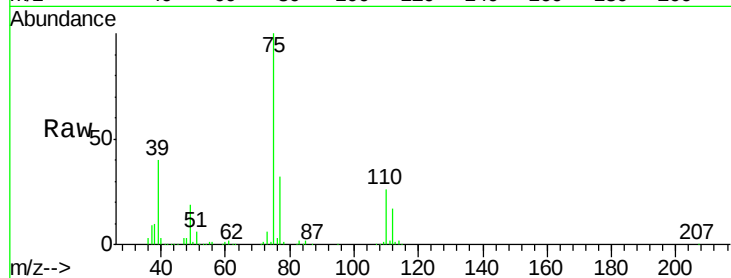
VSTDCCC050EC

Tot Ion: 75 Resp: 531931

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 54.383 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

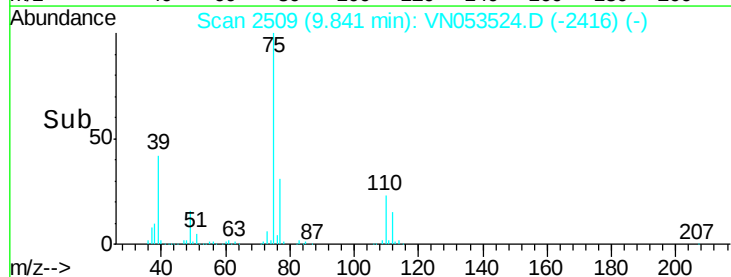
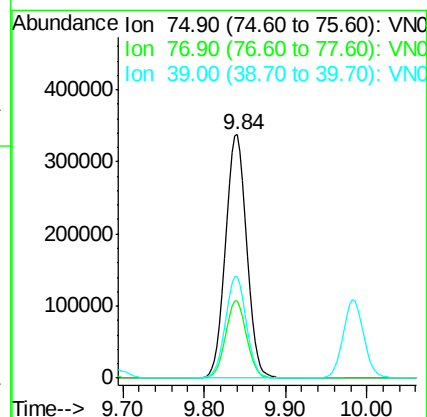
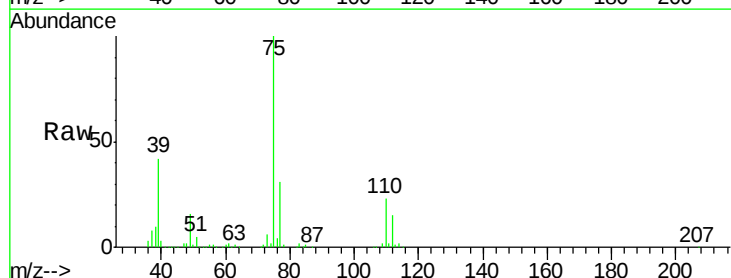
Tgt Ion: 75 Resp: 624990

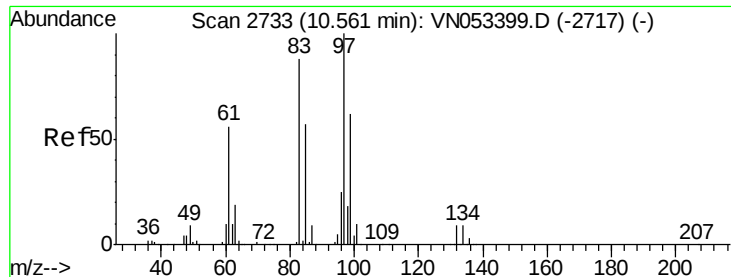
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 41.6 33.4 50.0



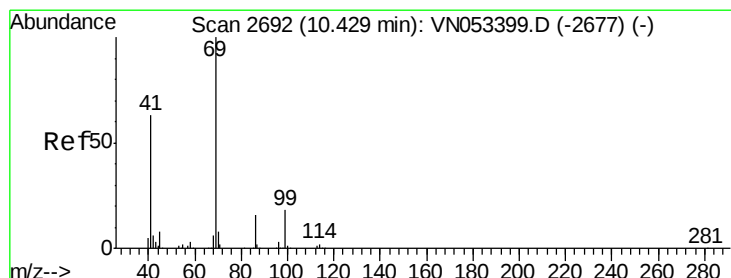
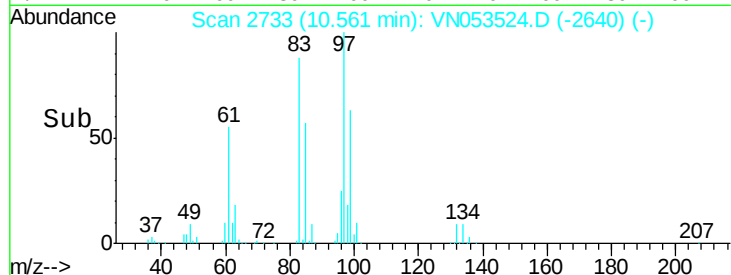
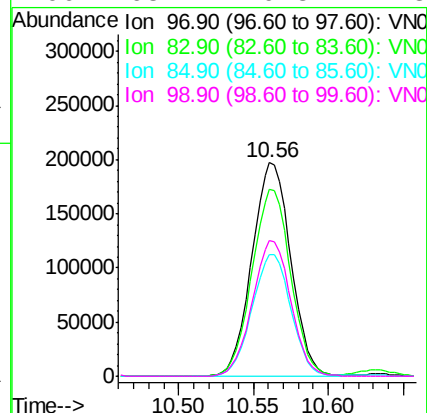
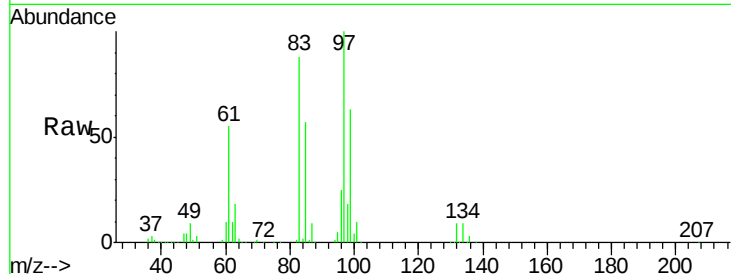


#55
 1,1,2-Trichloroethane
 Concen: 55.093 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 356382

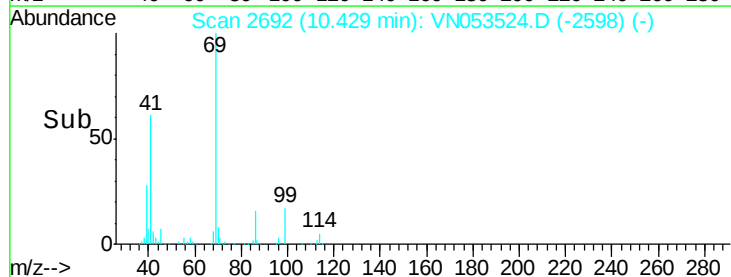
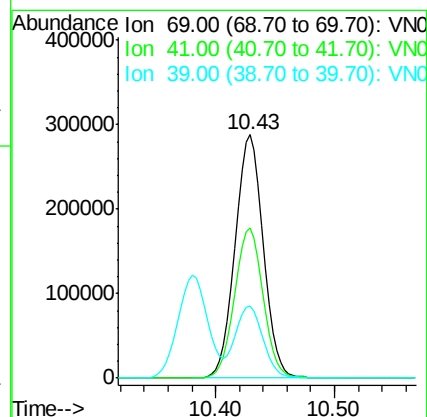
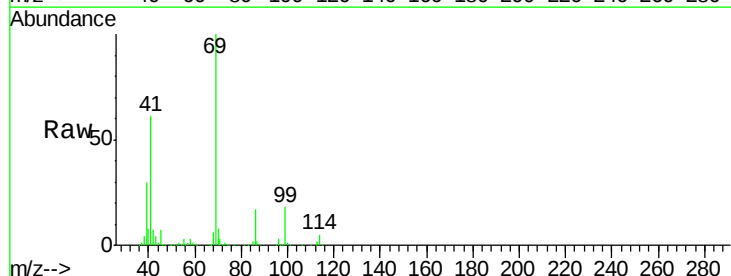
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	57.1	45.4	68.0
99	63.4	49.8	74.8

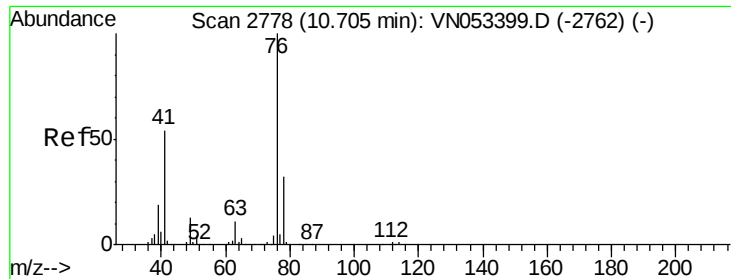


#56
 Ethyl methacrylate
 Concen: 51.499 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 69 Resp: 473364

Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.4	74.0
39	29.4	23.3	34.9

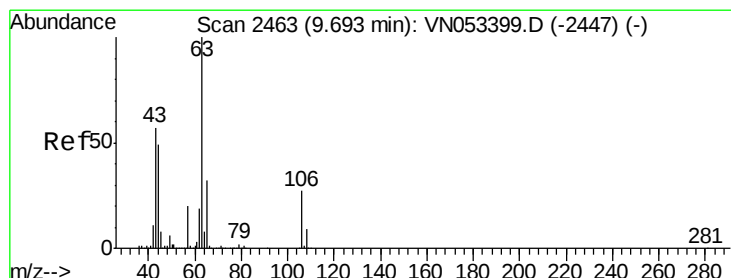
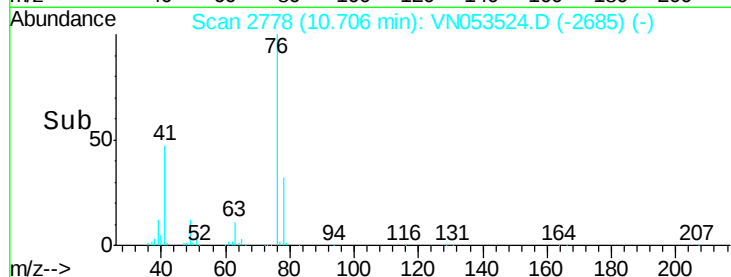
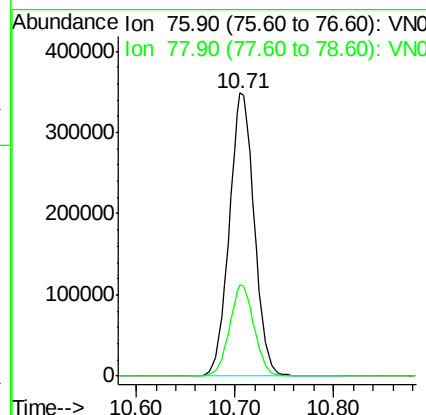
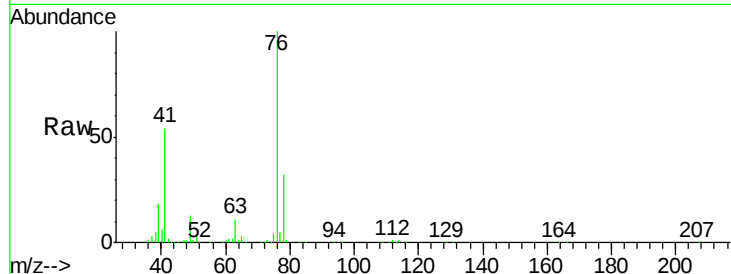




#57
 1,3-Dichloropropane
 Concen: 55.059 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

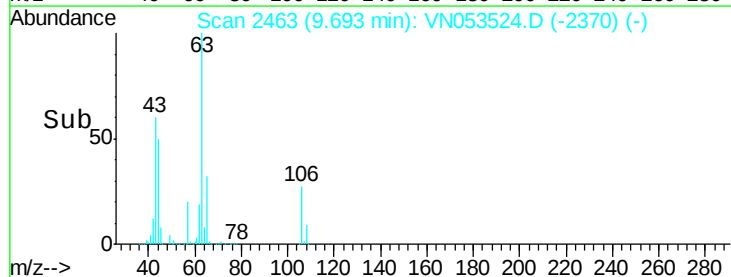
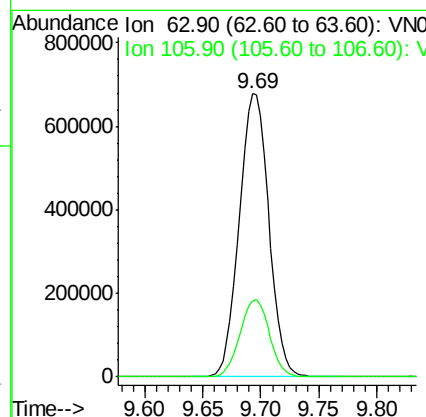
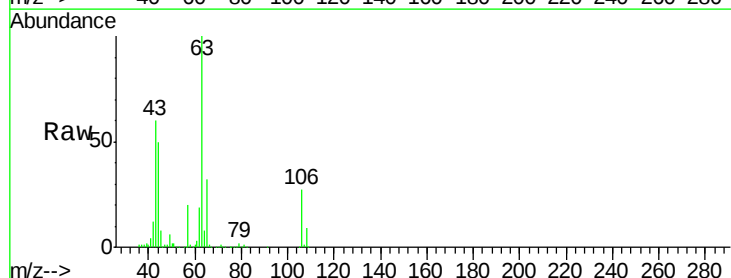
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

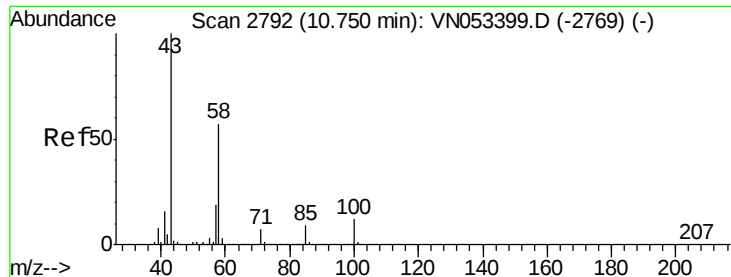
Tot Ion: 76 Resp: 616130
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.651 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 63 Resp: 1197675
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

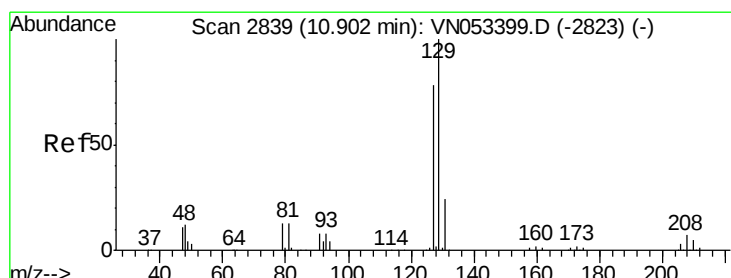
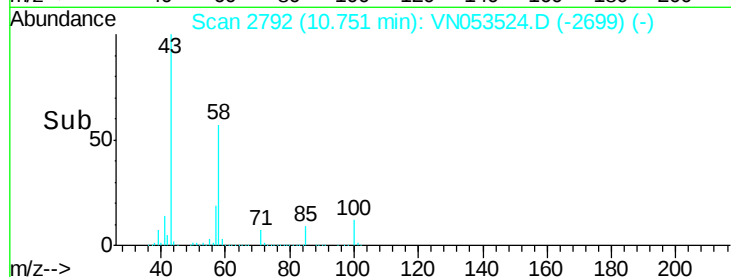
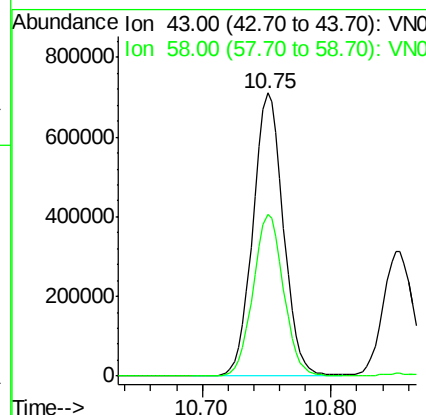
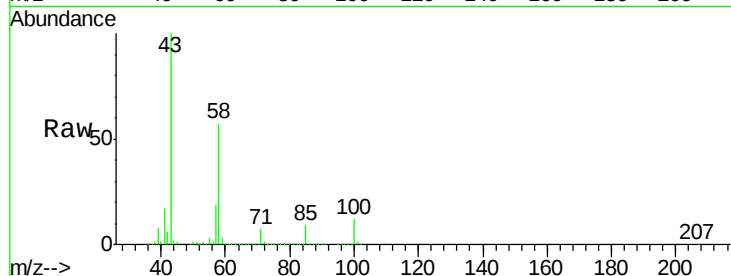




#59
2-Hexanone
Concen: 296.255 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

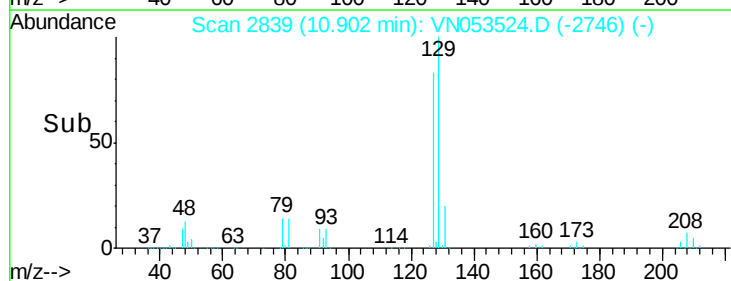
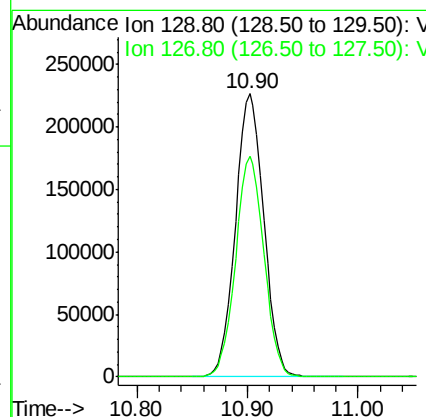
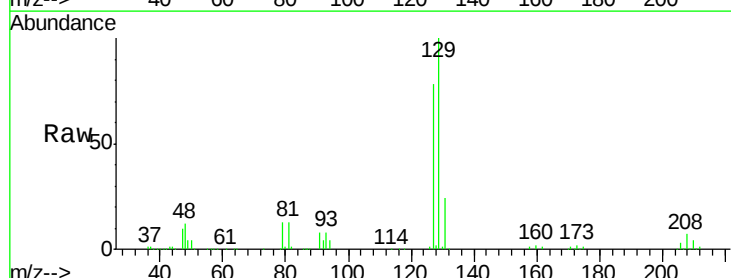
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

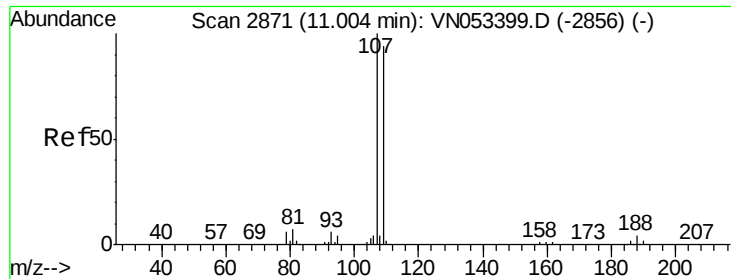
Tot Ion: 43 Resp: 1168069
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8



#60
Dibromochloromethane
Concen: 55.095 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 129 Resp: 404233
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8

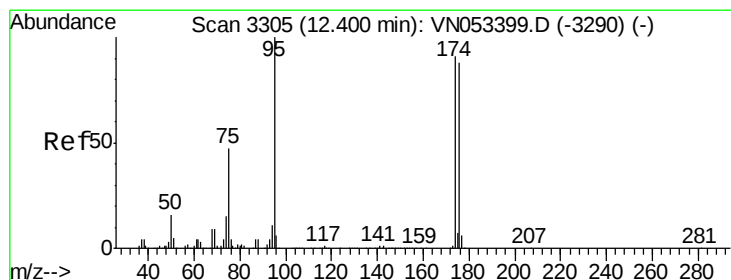
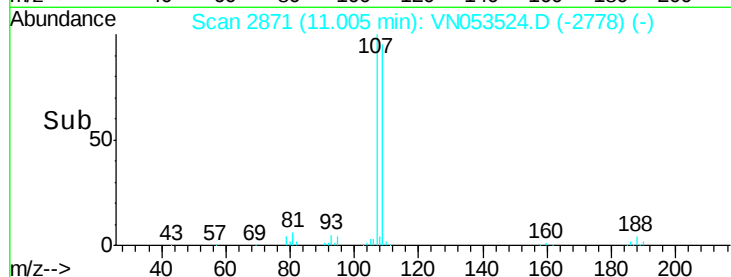
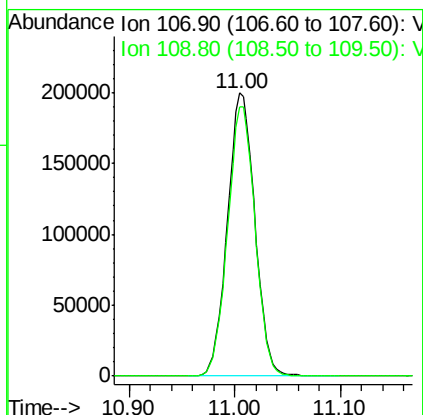
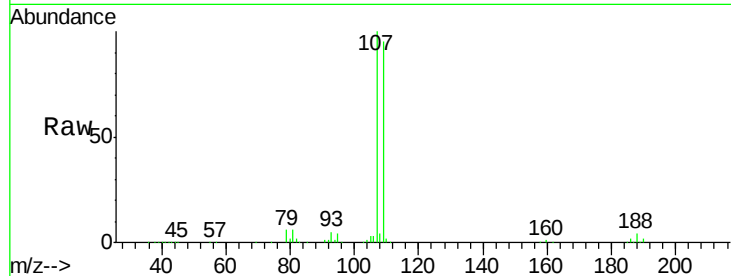




#61
 1,2-Dibromoethane
 Concen: 54.651 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

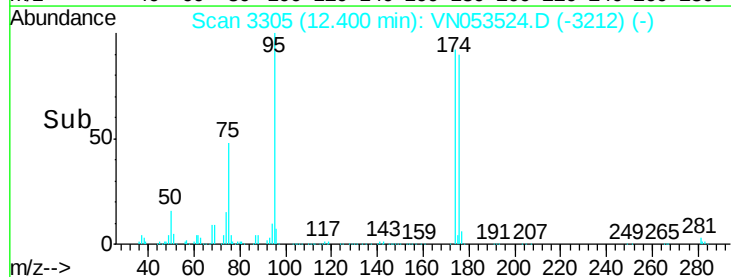
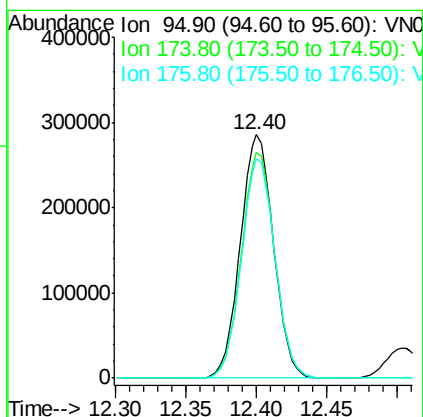
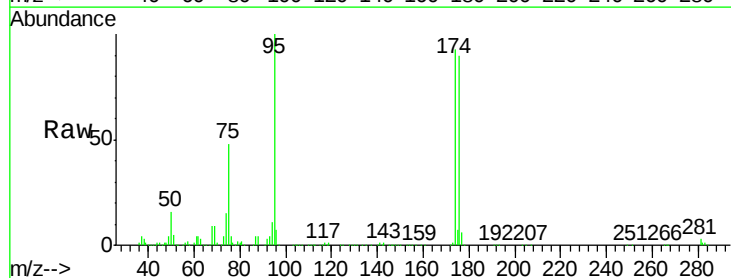
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

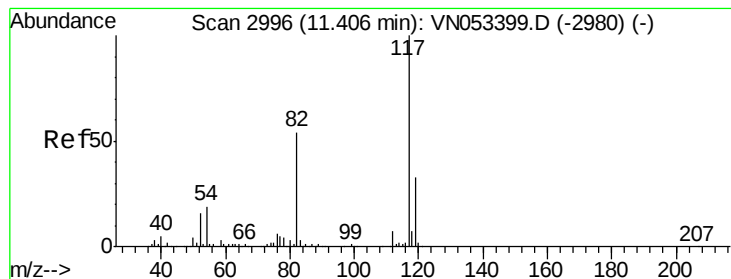
Tot Ion:107 Resp: 357538
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 54.651 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 95 Resp: 470721
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 183.2
 176 90.6 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

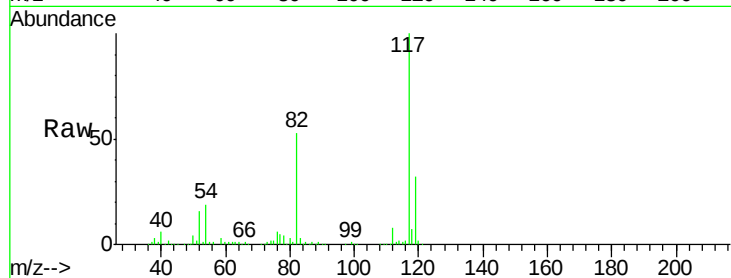
Tot Ion:117 Resp: 985764

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

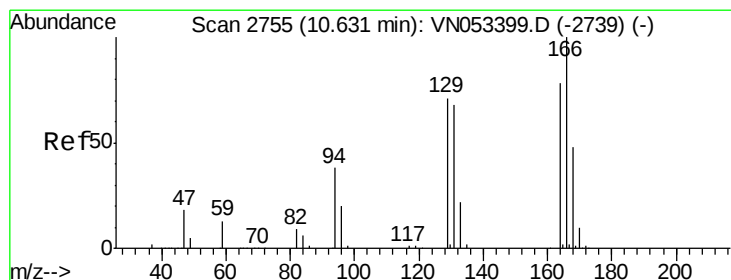
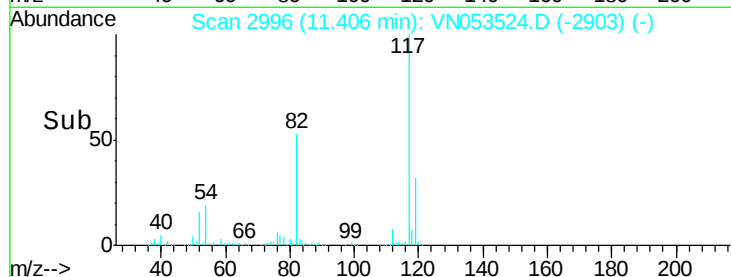
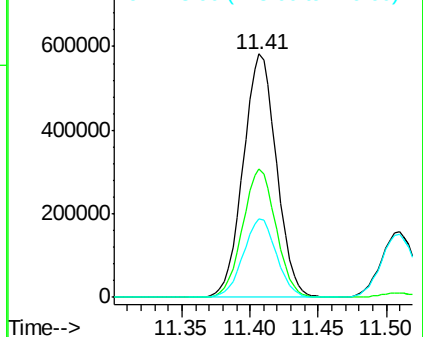
119 32.1 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.339 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:164 Resp: 486215

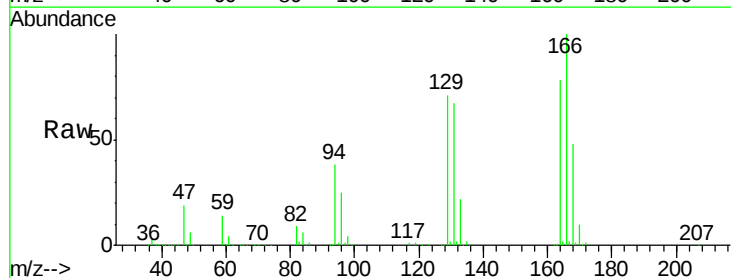
Ion Ratio Lower Upper

164 100

166 127.9 102.2 153.4

129 90.2 72.6 109.0

131 86.2 69.5 104.3

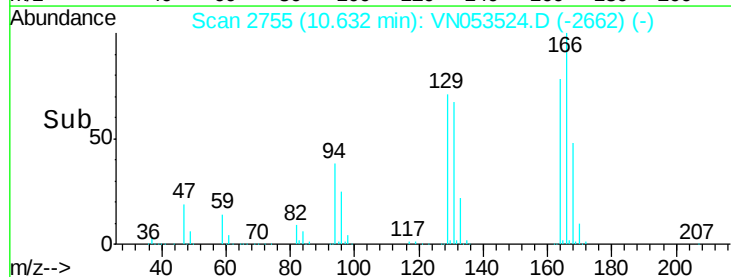
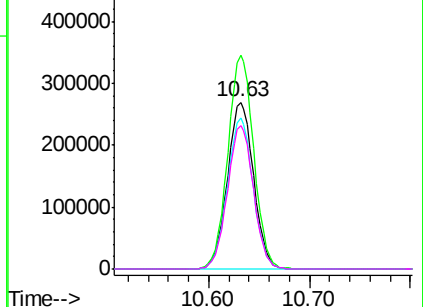


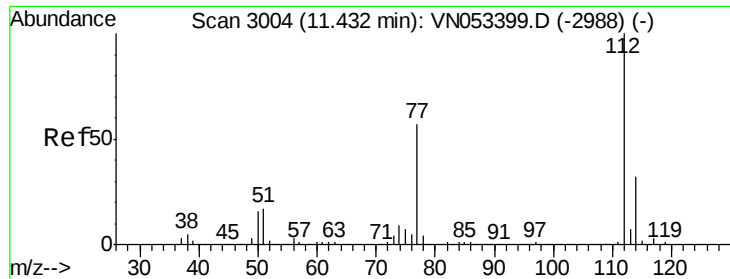
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

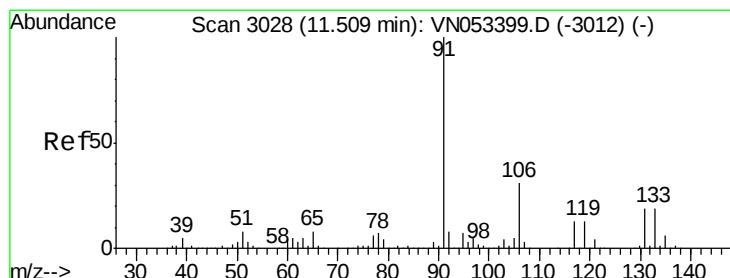
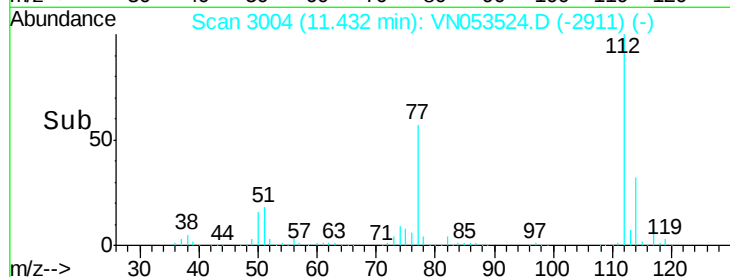
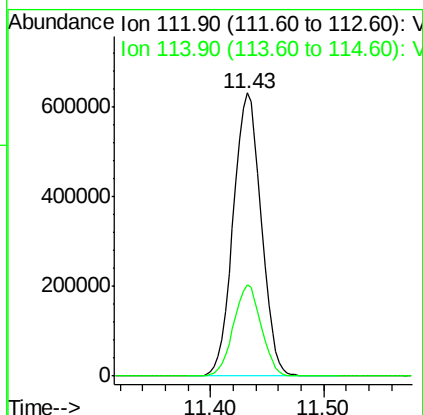
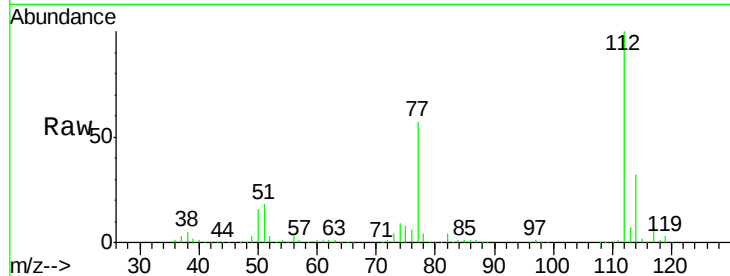




#65
Chlorobenzene
Concen: 52.124 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

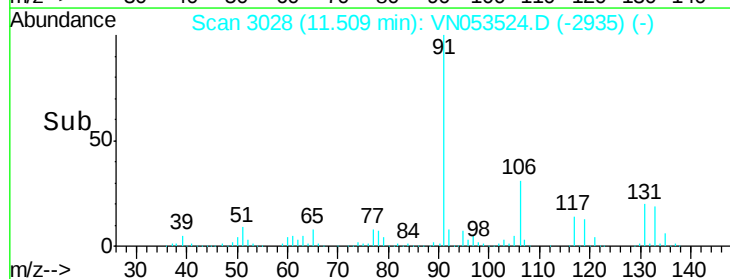
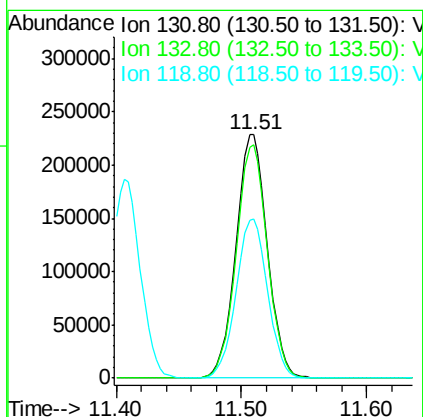
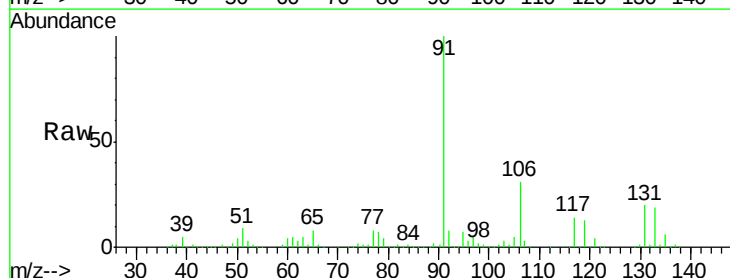
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

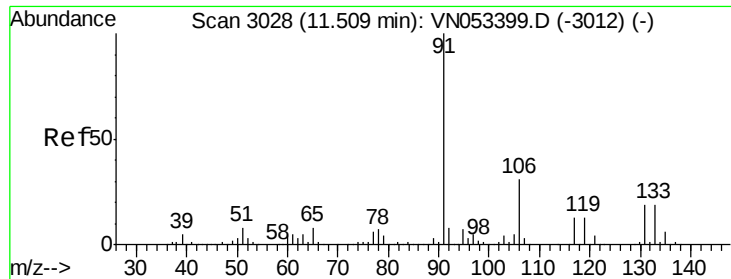
Tot Ion:112 Resp: 1087592
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.419 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion:131 Resp: 395011
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 65.9 33.5 100.5

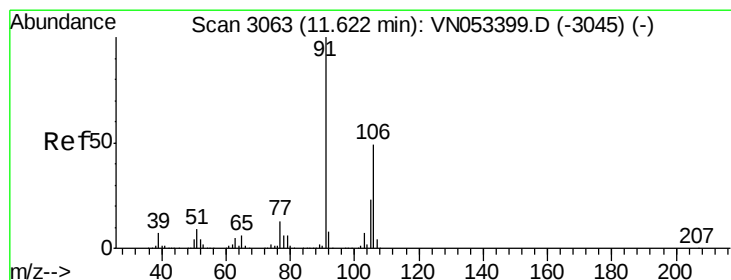
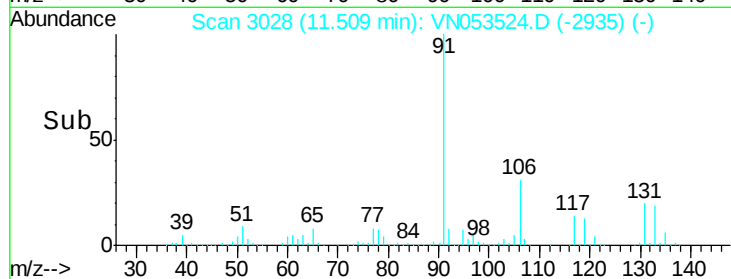
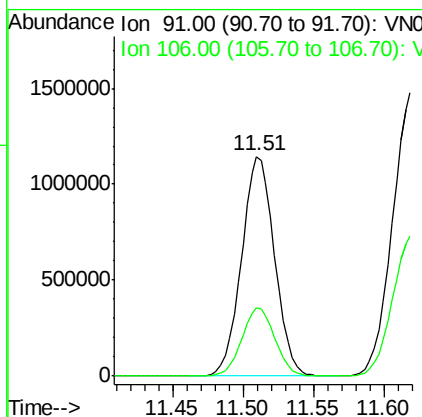
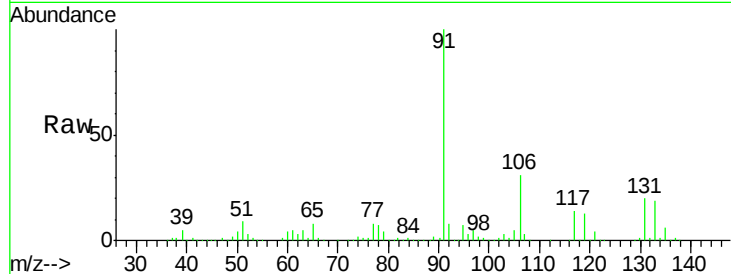




#67
Ethyl Benzene
Concen: 52.600 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

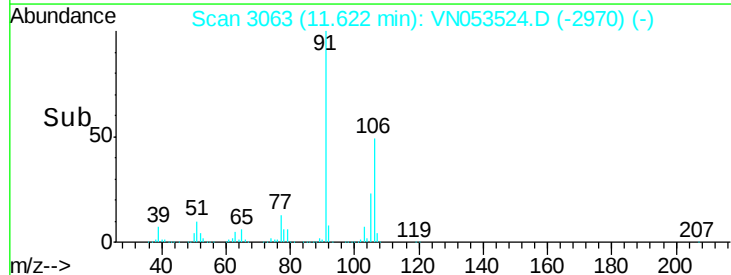
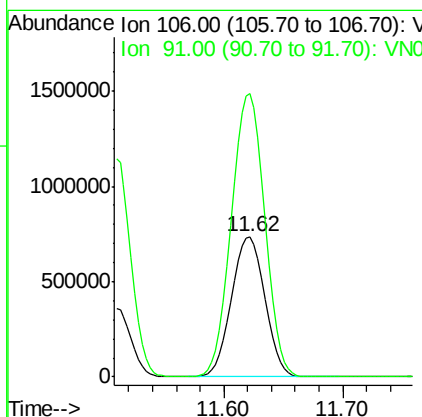
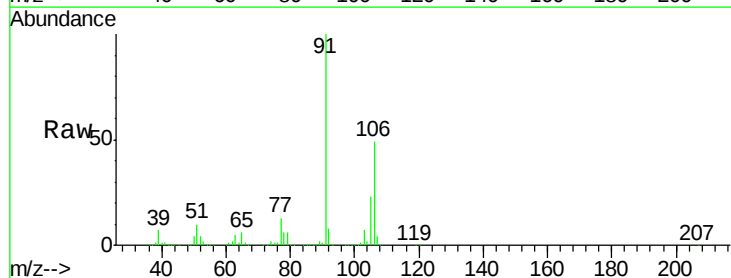
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

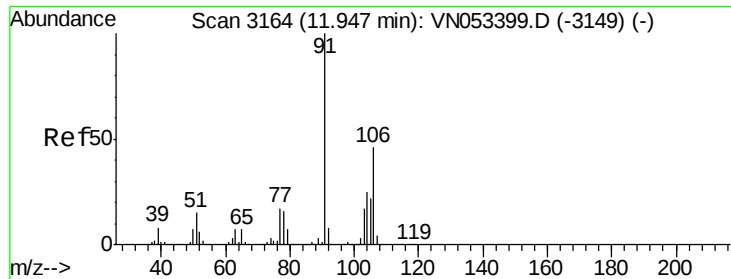
Tot Ion: 91 Resp: 1870416
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 106.709 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 106 Resp: 1432651
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2

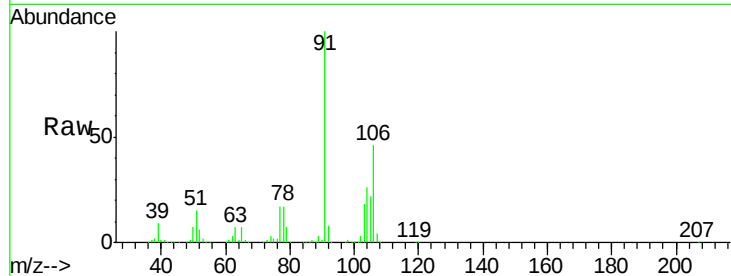




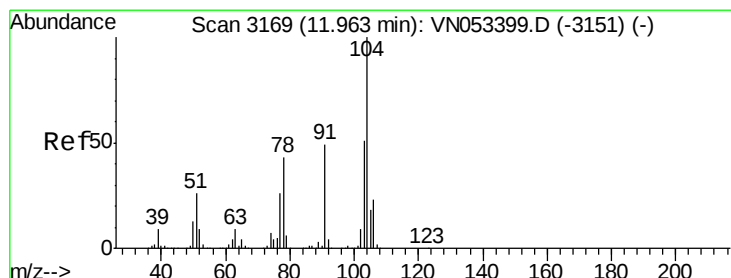
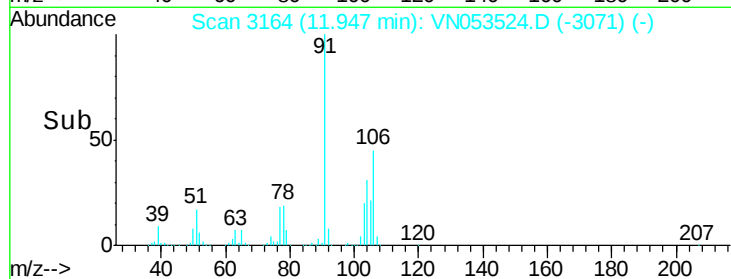
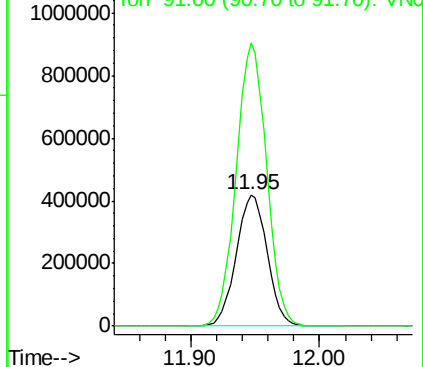
#69
o-Xylene
Concen: 53.404 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 696696
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8

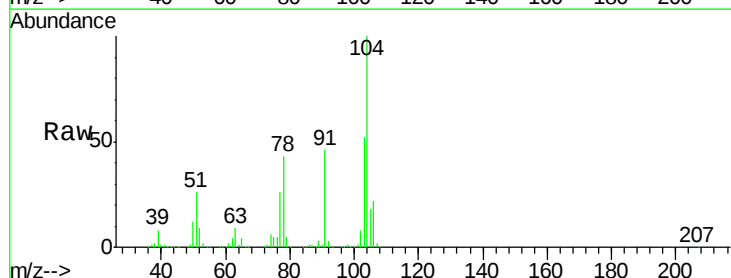


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

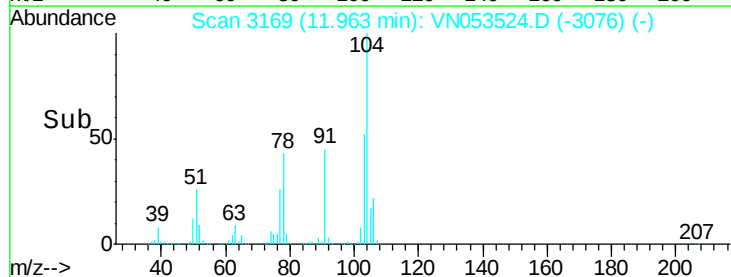
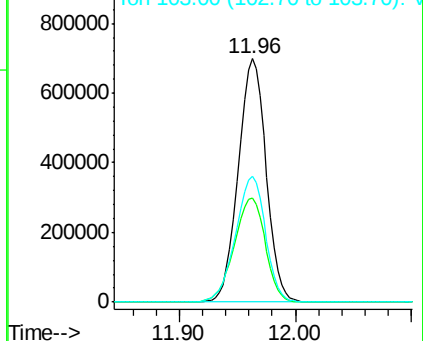


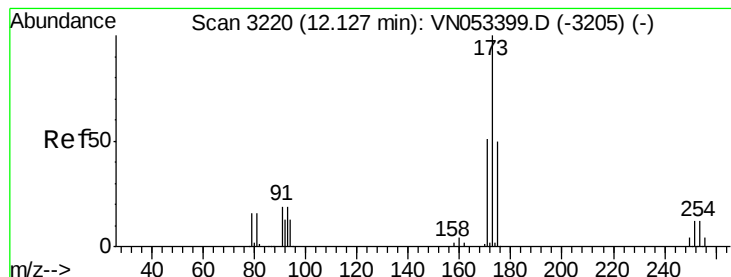
#70
Styrene
Concen: 55.016 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion:104 Resp: 1164838
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.6 44.4 66.6



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





#71

Bromoform

Concen: 57.836 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

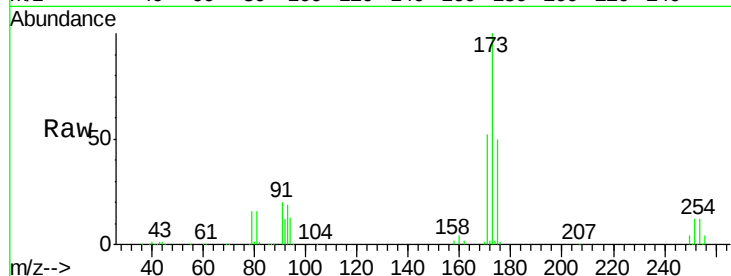
Tot Ion:173 Resp: 289019

Ion Ratio Lower Upper

173 100

175 48.9 24.6 74.0

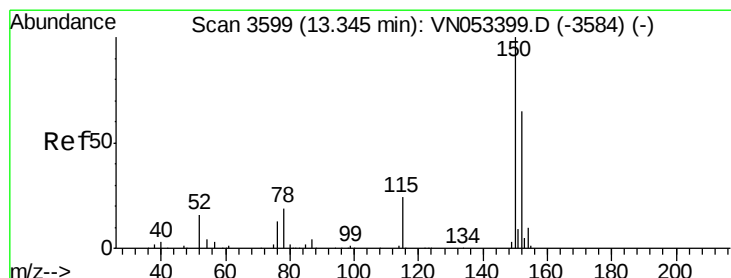
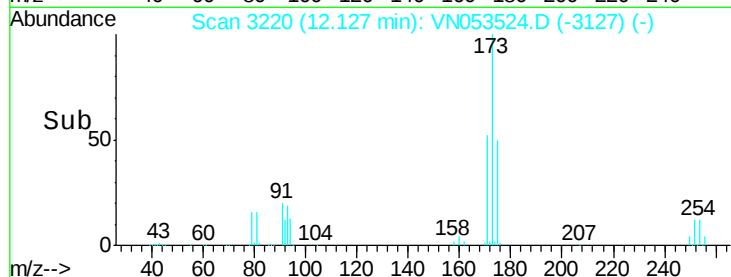
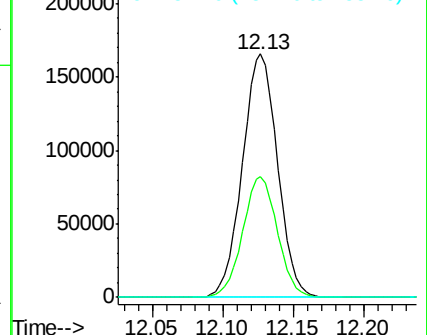
254 0.1 0.2 0.2#



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: VN053524.D

Acq: 22 Jan 2019 17:22

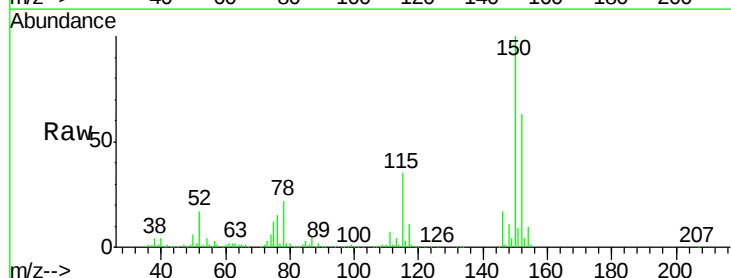
Tgt Ion:152 Resp: 499739

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.4

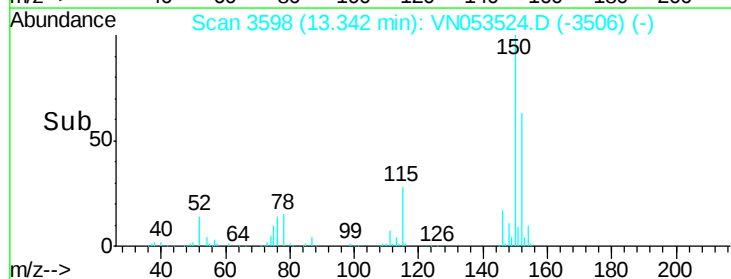
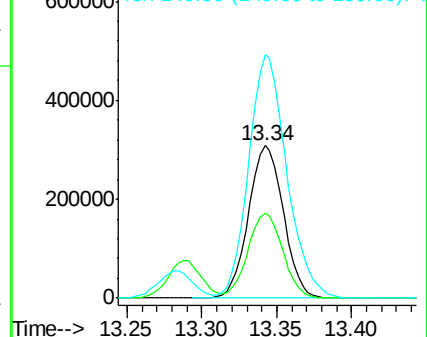
150 174.3 0.0 349.0

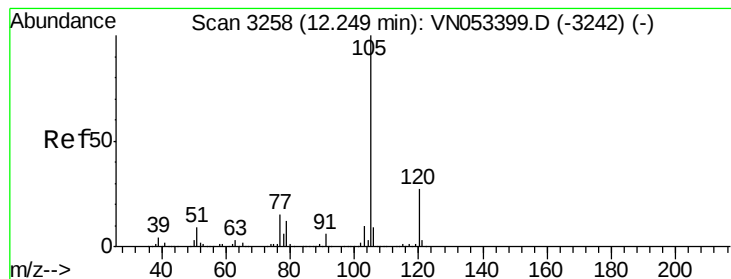


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.846 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

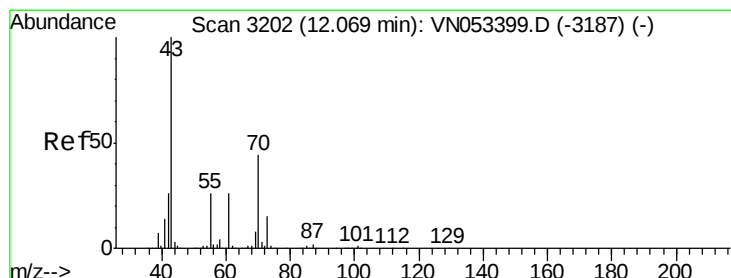
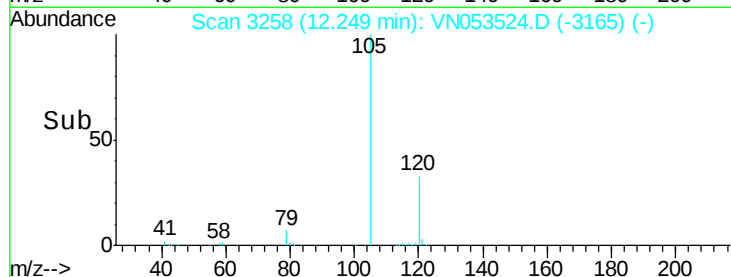
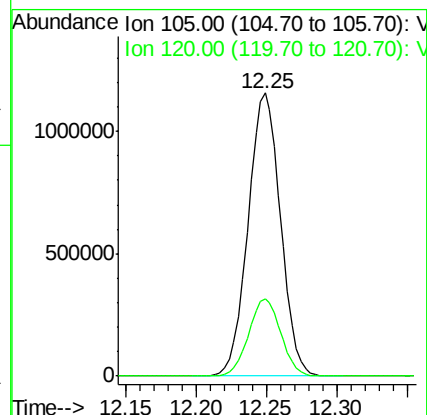
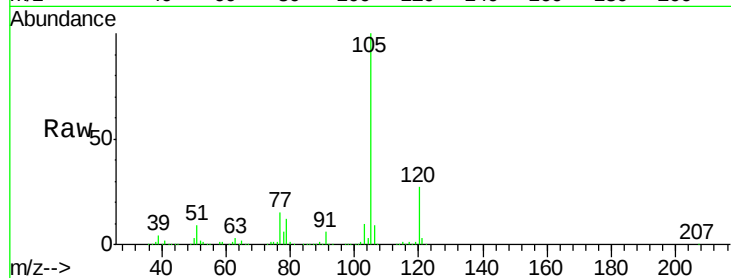
VSTDCCC050EC

Tot Ion:105 Resp: 1860765

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 55.292 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion: 43 Resp: 539415

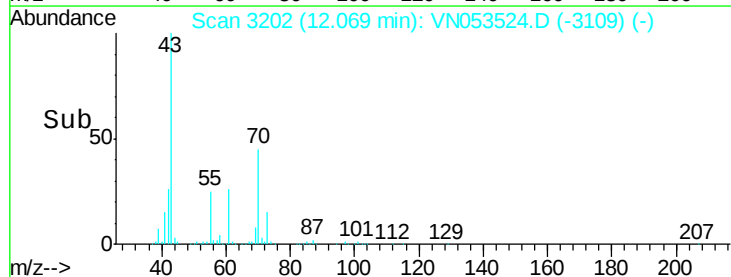
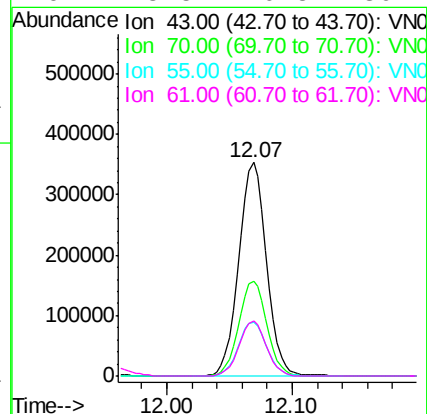
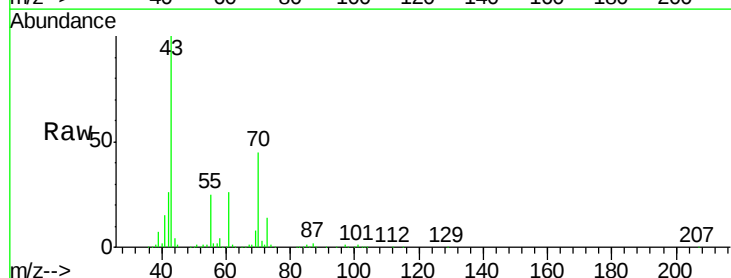
Ion Ratio Lower Upper

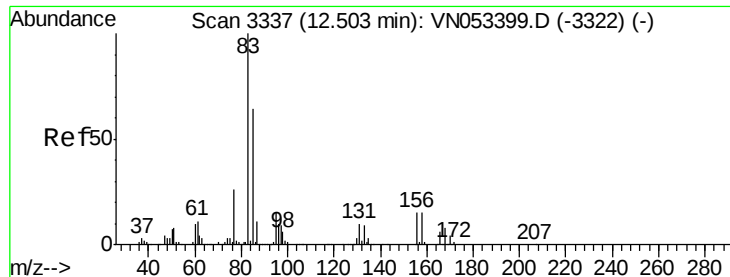
43 100

70 45.1 35.4 53.2

55 26.0 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.049 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

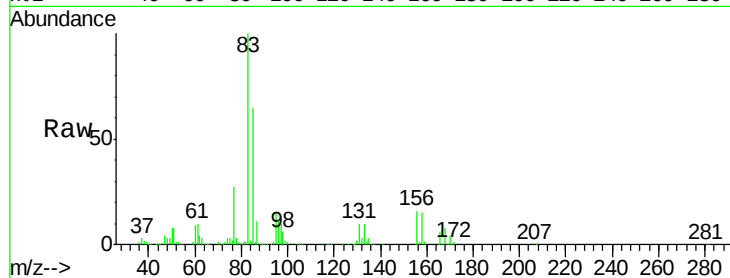
Tot Ion: 83 Resp: 407165

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

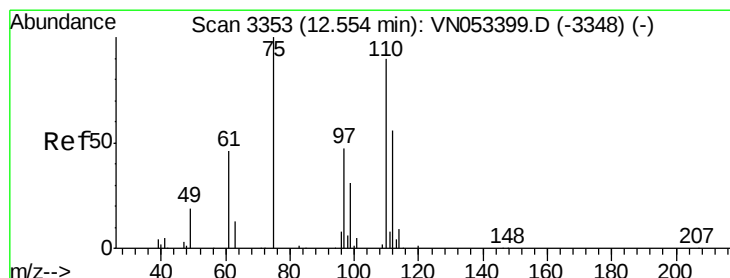
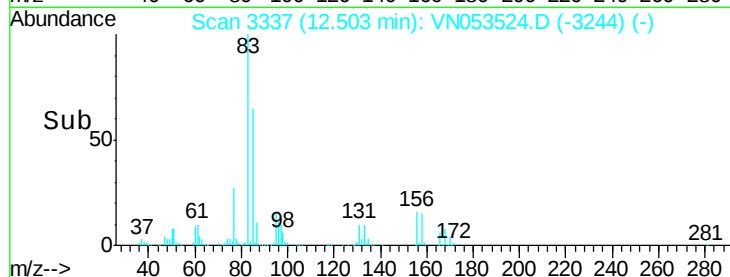
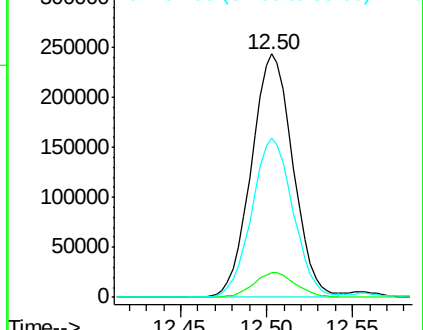
85 65.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 86.724 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053524.D

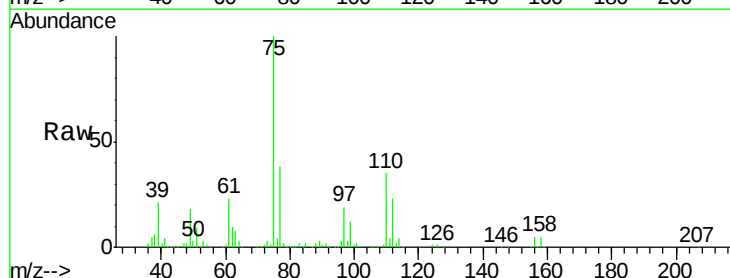
Acq: 22 Jan 2019 17:22

Tgt Ion: 75 Resp: 571130

Ion Ratio Lower Upper

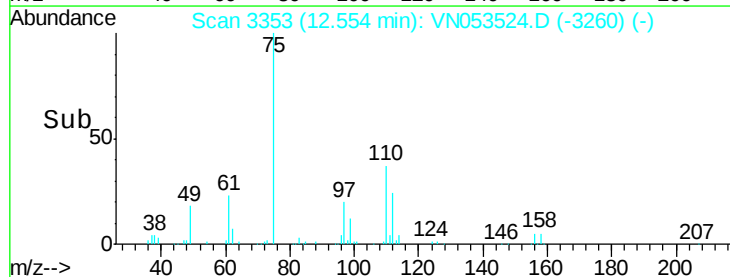
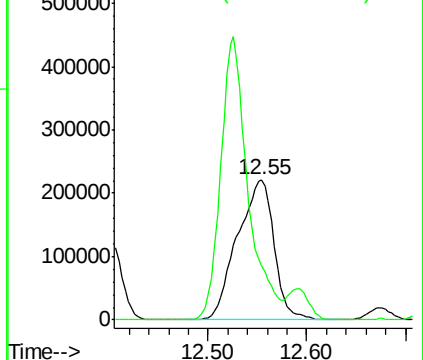
75 100

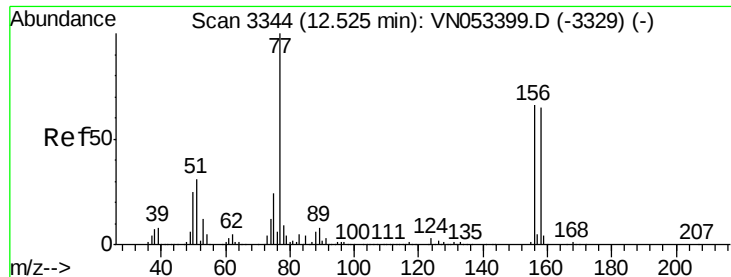
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 50.512 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

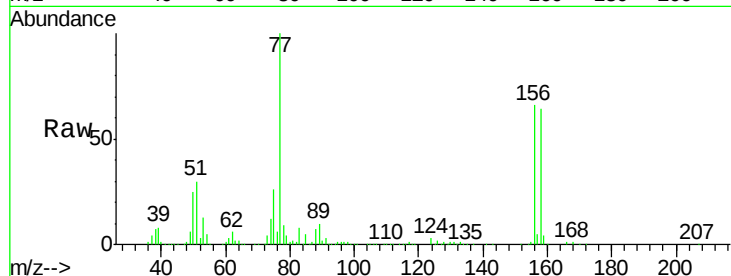
Tot Ion:156 Resp: 487101

Ion Ratio Lower Upper

156 100

77 177.6 87.9 263.8

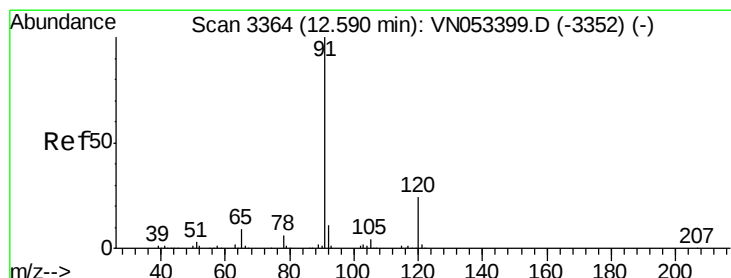
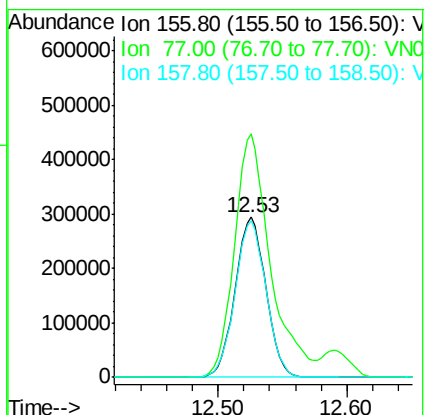
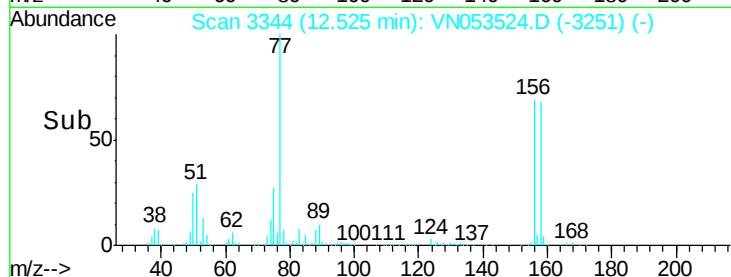
158 98.2 48.8 146.4



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: 51.287 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053524.D

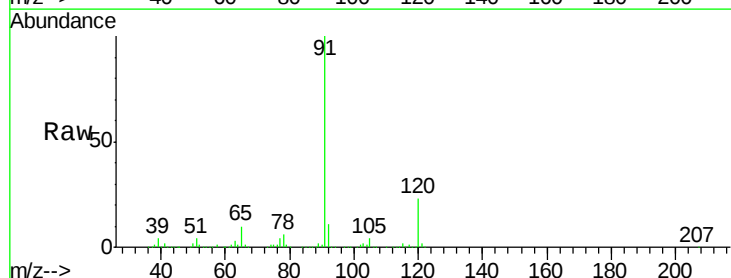
Acq: 22 Jan 2019 17:22

Tgt Ion: 91 Resp: 2154463

Ion Ratio Lower Upper

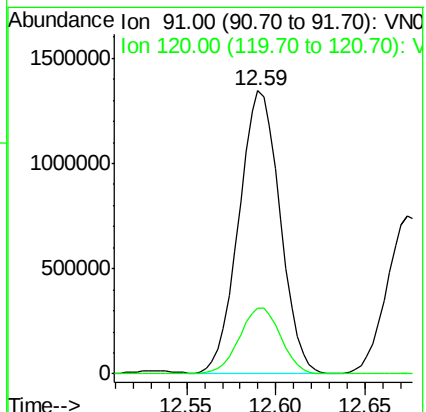
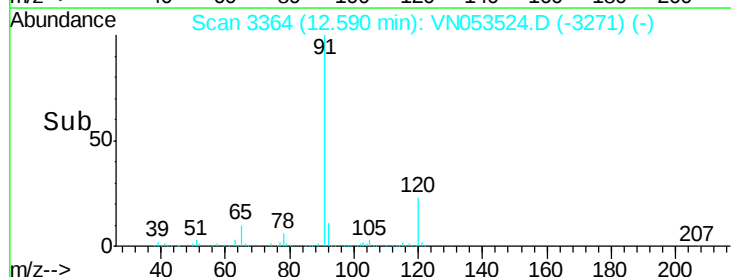
91 100

120 23.6 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: 50.168 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

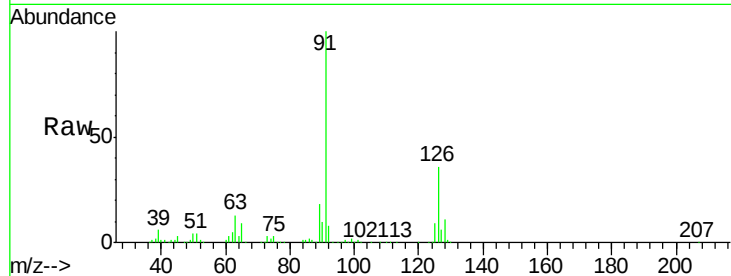
VSTDCCC050EC

Tot Ion: 91 Resp: 1249173

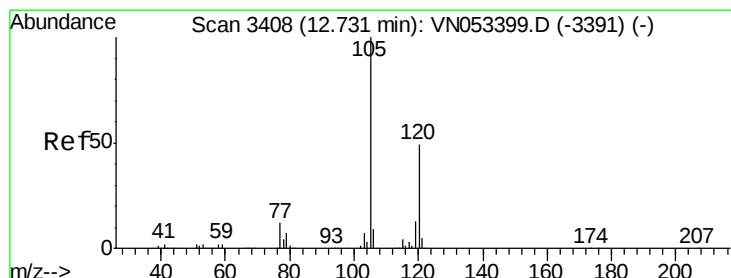
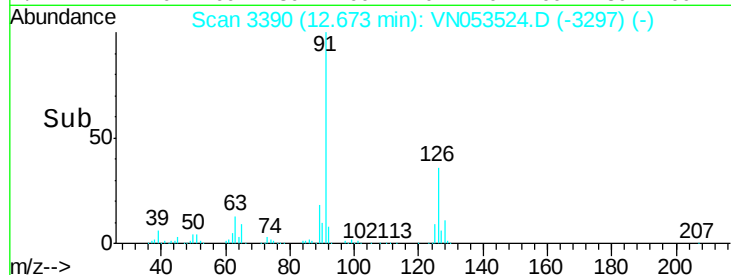
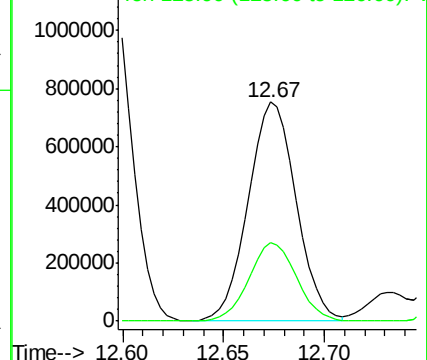
Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.985 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053524.D

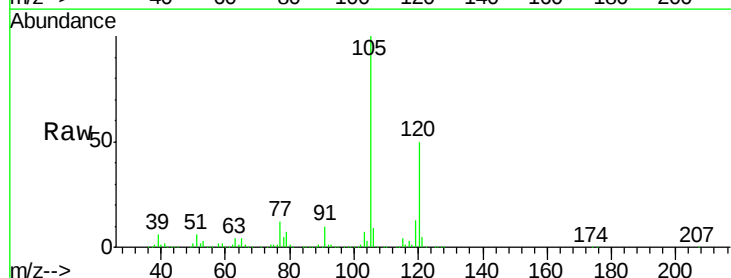
Acq: 22 Jan 2019 17:22

Tgt Ion: 105 Resp: 1547886

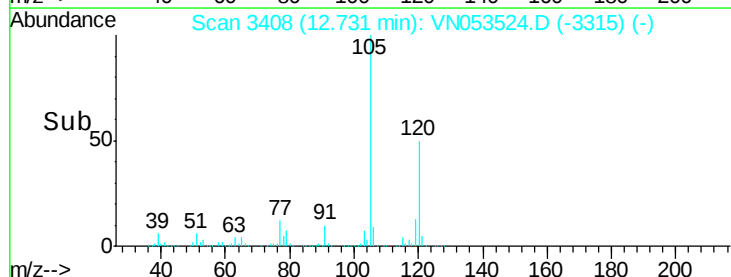
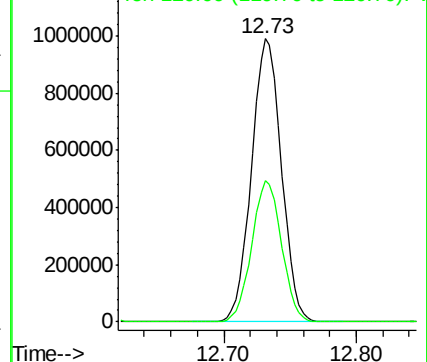
Ion Ratio Lower Upper

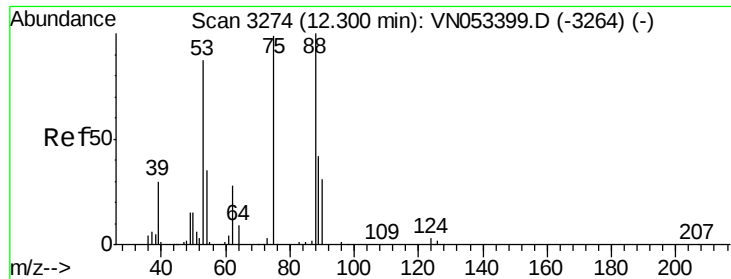
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.958 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

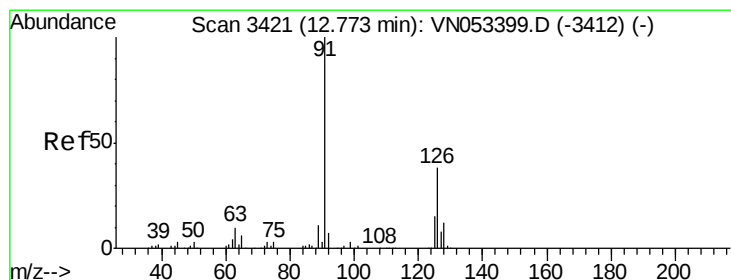
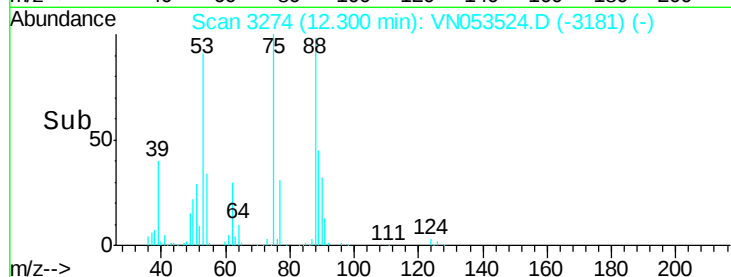
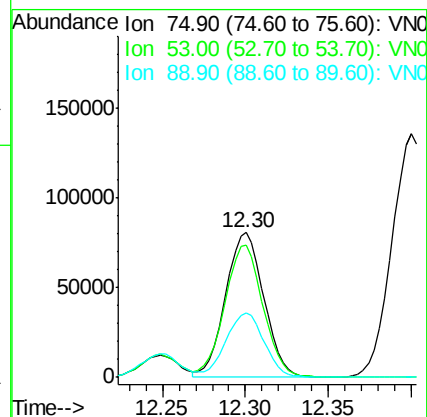
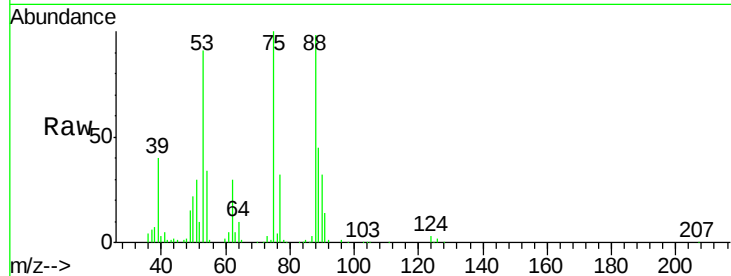
Tot Ion: 75 Resp: 129995

Ion Ratio Lower Upper

75 100

53 91.7 69.8 104.6

89 44.6 35.6 53.4



#82

4-Chlorotoluene

Concen: 50.292 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053524.D

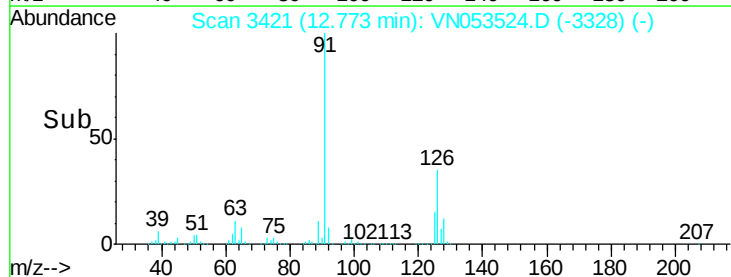
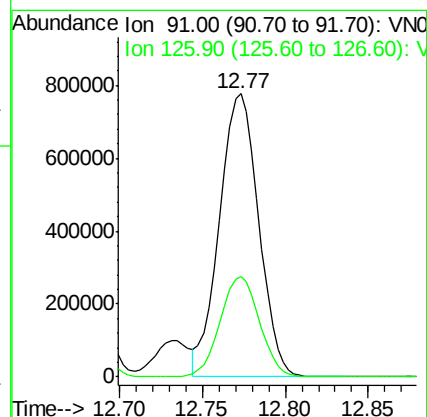
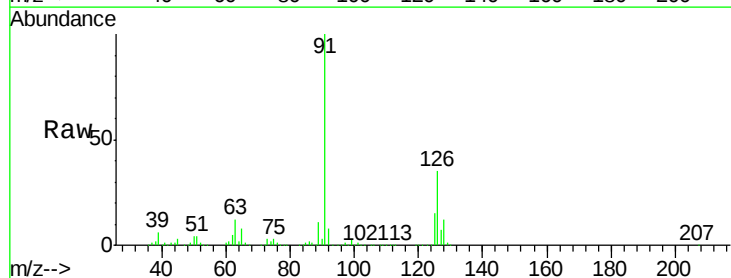
Acq: 22 Jan 2019 17:22

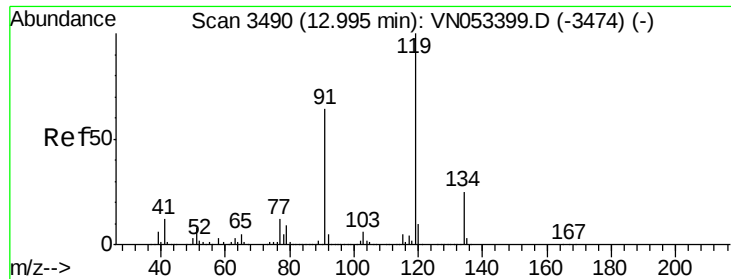
Tgt Ion: 91 Resp: 1277048

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.9





#83

tert-Butylbenzene

Concen: 52.314 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

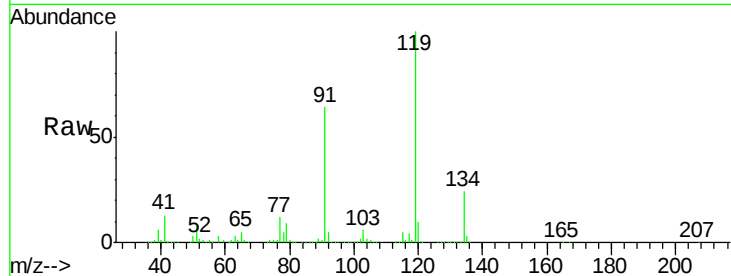
Tot Ion:119 Resp: 1375775

Ion Ratio Lower Upper

119 100

91 61.9 31.3 93.8

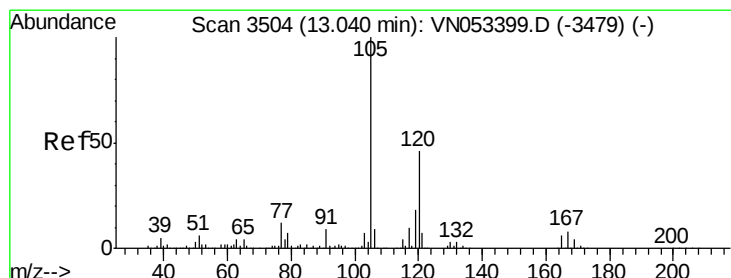
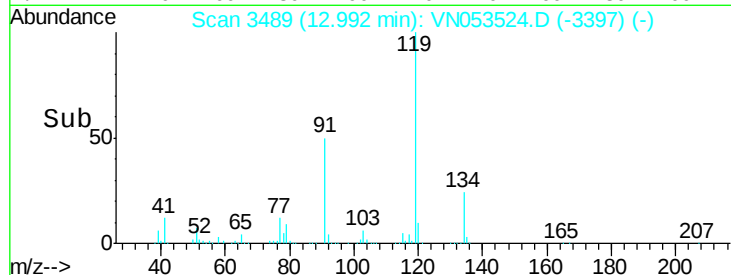
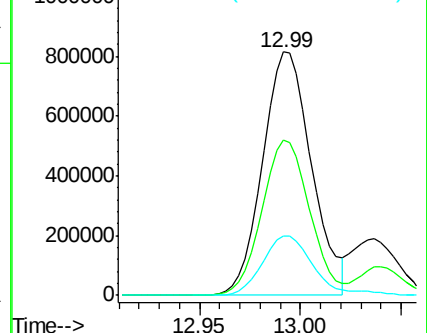
134 25.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.613 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053524.D

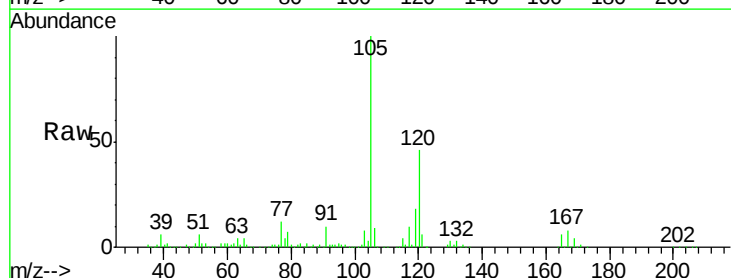
Acq: 22 Jan 2019 17:22

Tgt Ion:105 Resp: 1579590

Ion Ratio Lower Upper

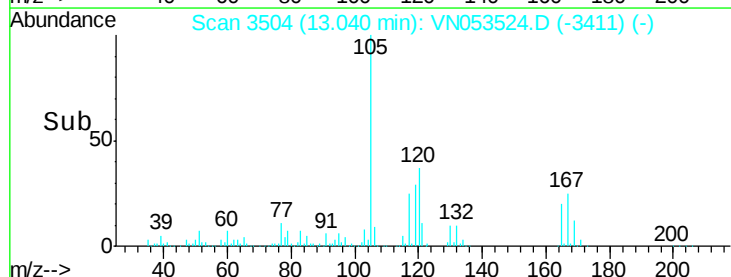
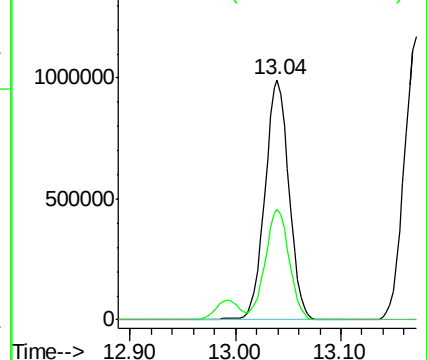
105 100

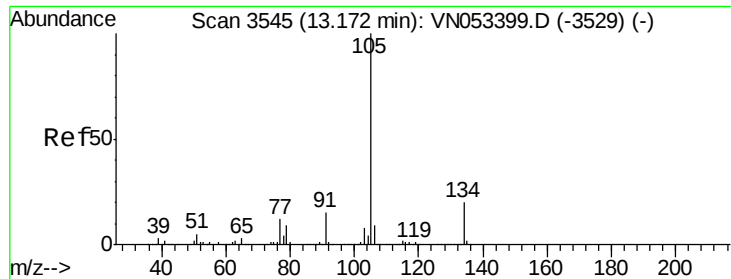
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.920 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

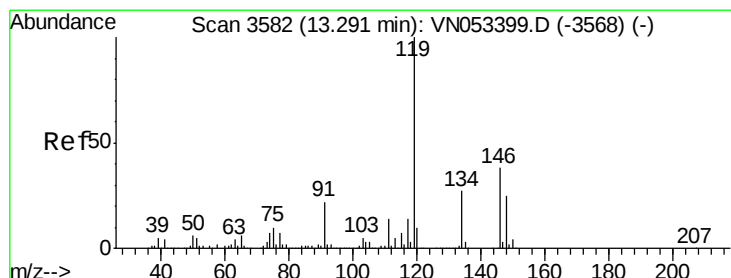
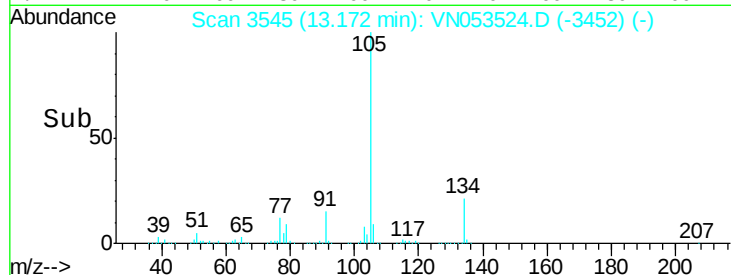
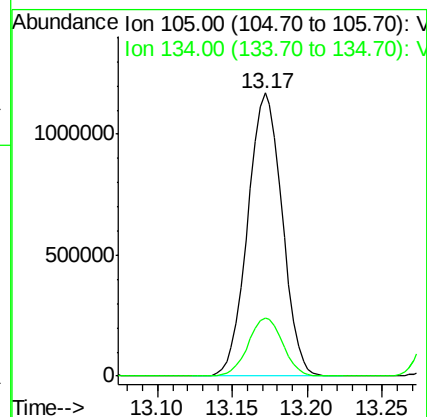
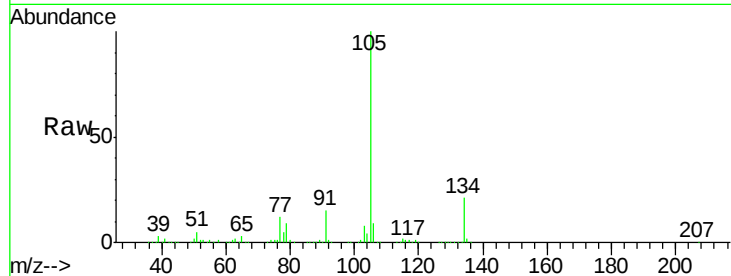
VSTDCCC050EC

Tot Ion:105 Resp: 1872586

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 52.731 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

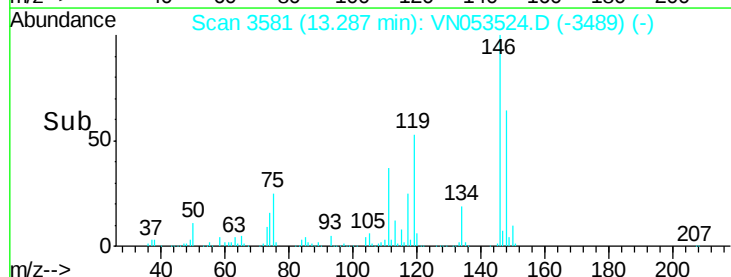
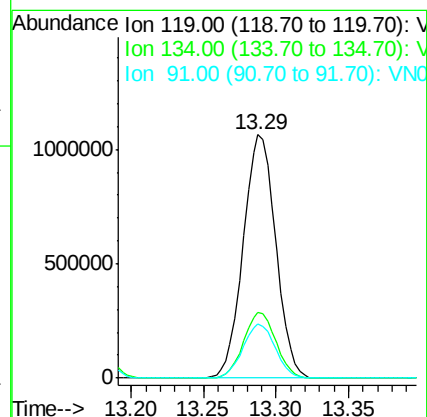
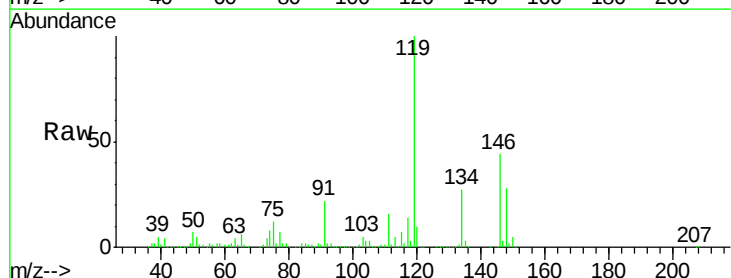
Tgt Ion:119 Resp: 1651363

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.0 11.0 33.0

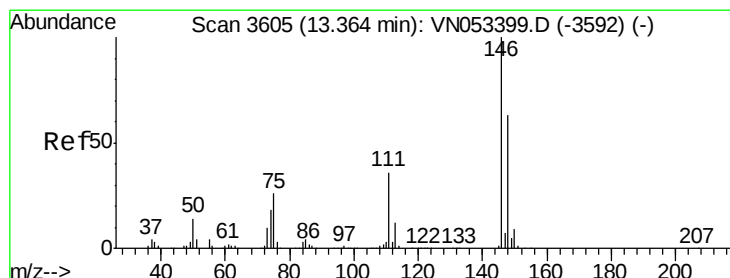
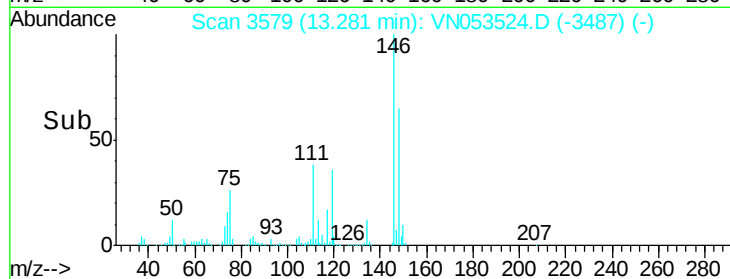
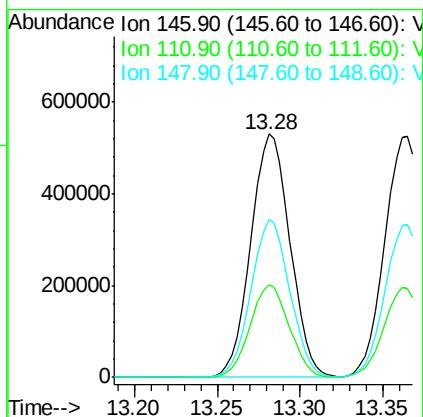
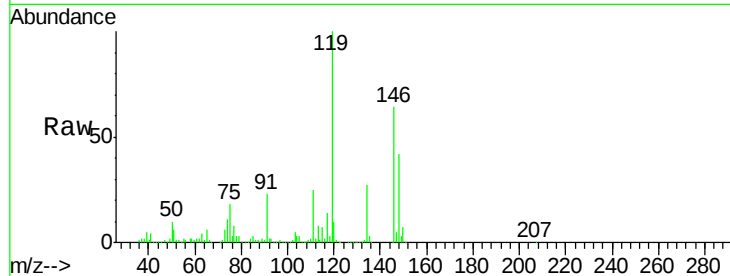




#87
 1,3-Dichlorobenzene
 Concen: 51.387 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

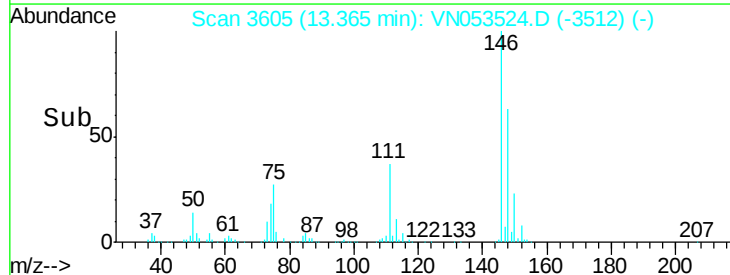
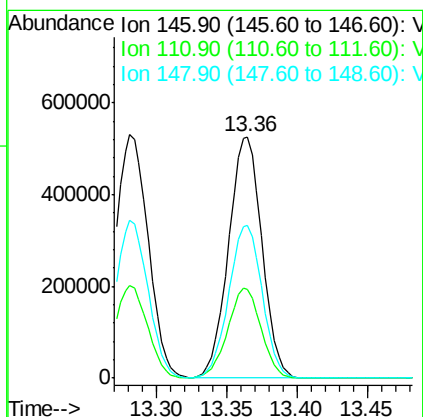
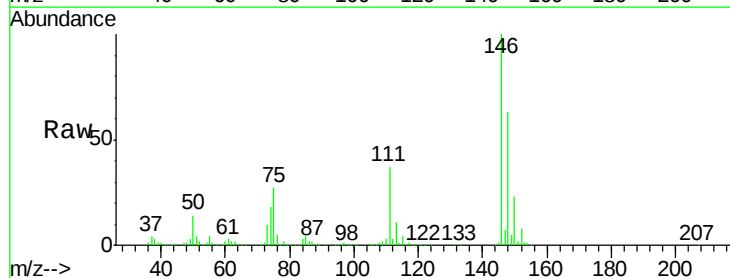
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

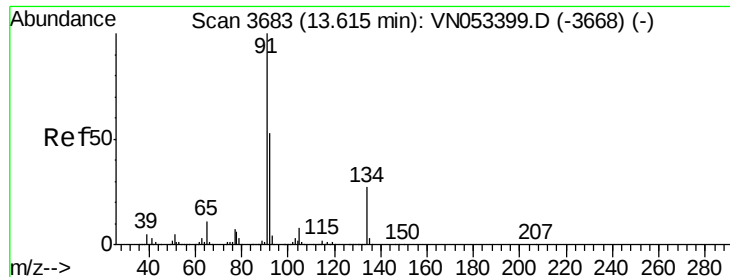
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	64.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.107 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.6	32.4	97.0





#89

n-Butylbenzene

Concen: 52.145 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

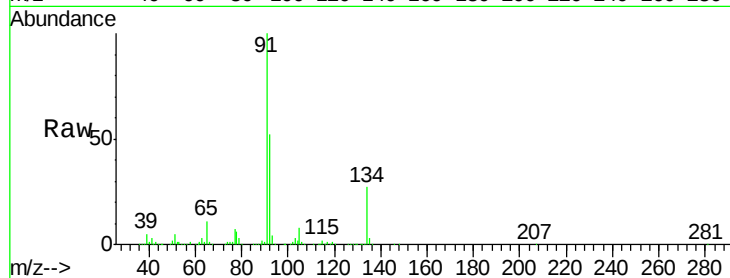
Tot Ion: 91 Resp: 1391986

Ion Ratio Lower Upper

91 100

92 51.9 26.3 78.8

134 27.0 13.5 40.5

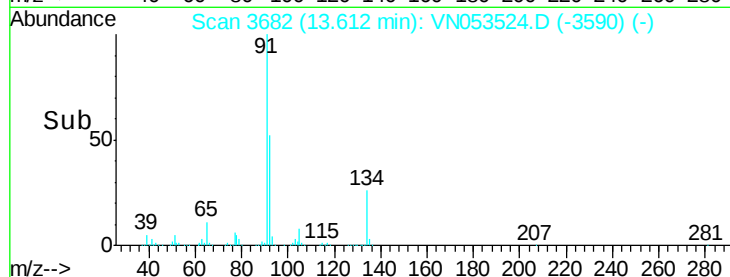


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)

Time-->

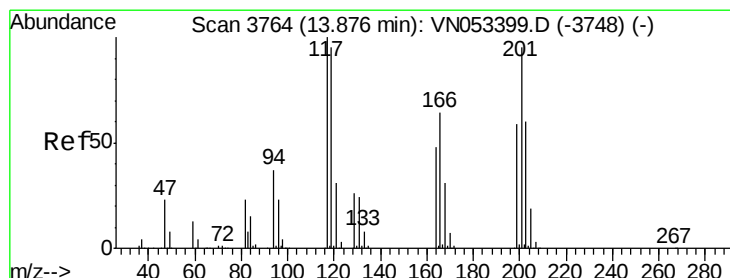


Abundance Ion 91.00 (90.70 to 91.70): VN053524.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053524.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053524.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 53.116 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053524.D

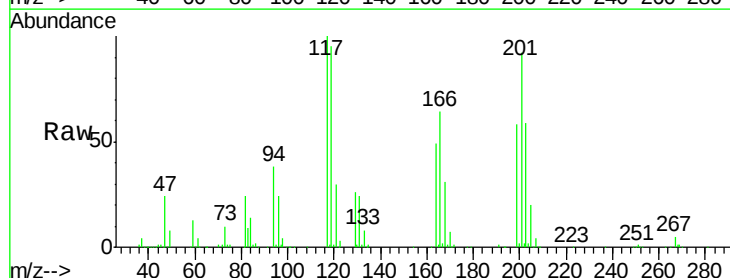
Acq: 22 Jan 2019 17:22

Tgt Ion: 117 Resp: 260879

Ion Ratio Lower Upper

117 100

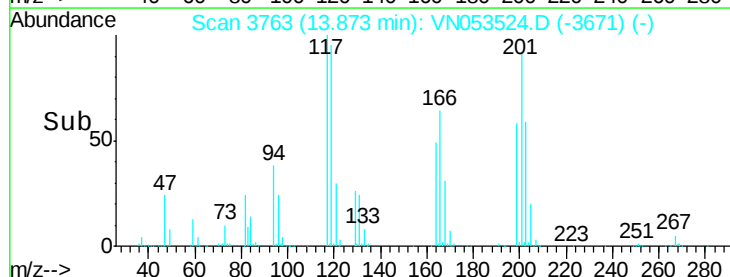
201 93.9 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

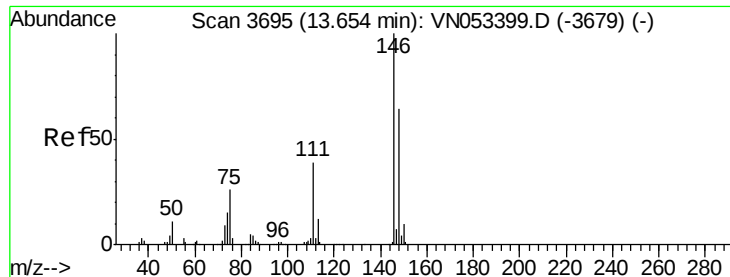
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN053524.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053524.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 54.270 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

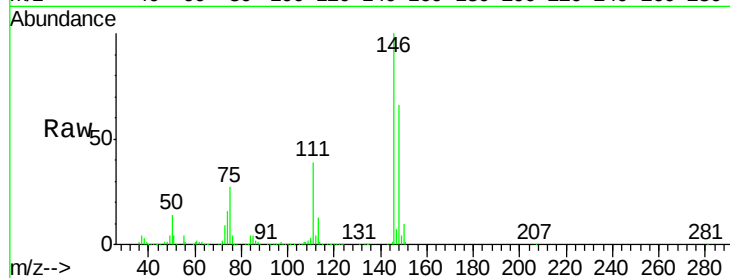
Tot Ion:146 Resp: 846922

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

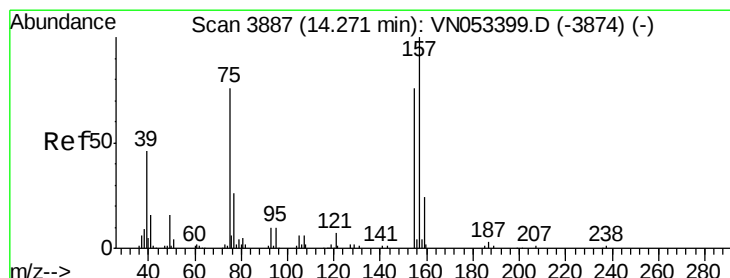
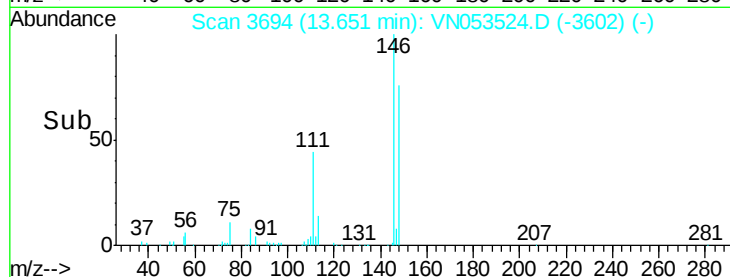
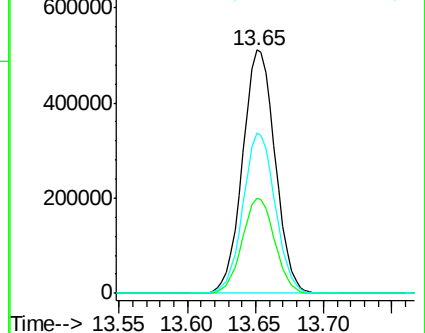
148 65.0 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 67.708 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

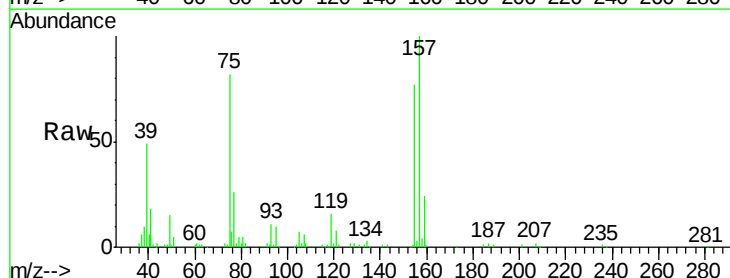
Tgt Ion: 75 Resp: 65893

Ion Ratio Lower Upper

75 100

155 94.2 48.9 146.7

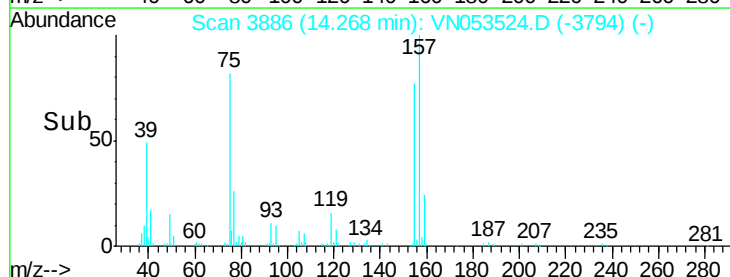
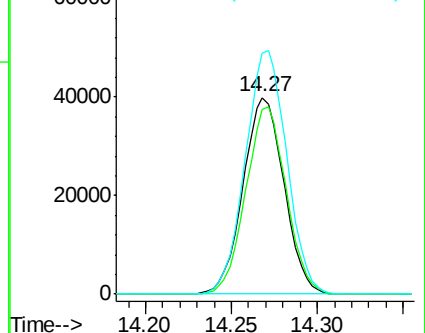
157 125.7 63.7 191.3

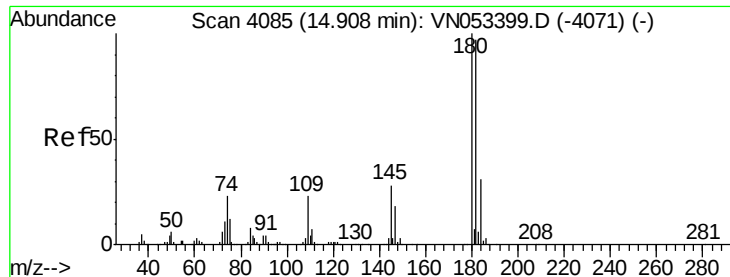


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

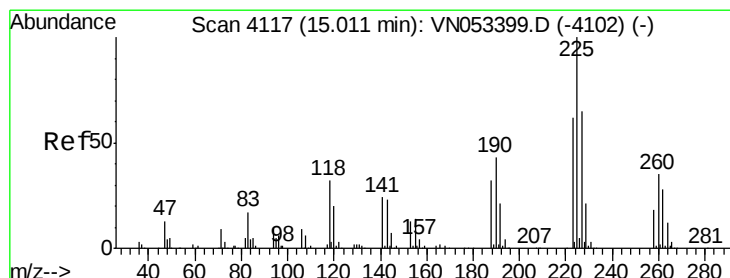
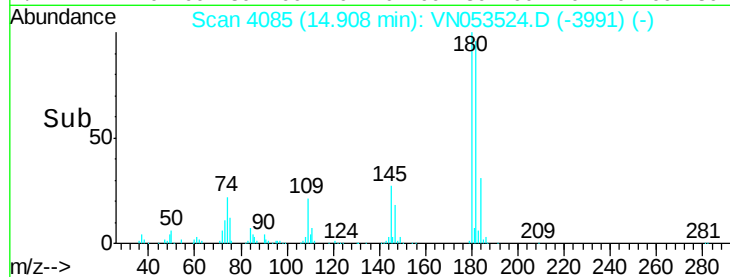
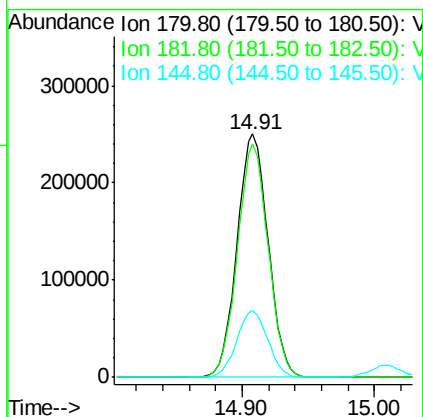
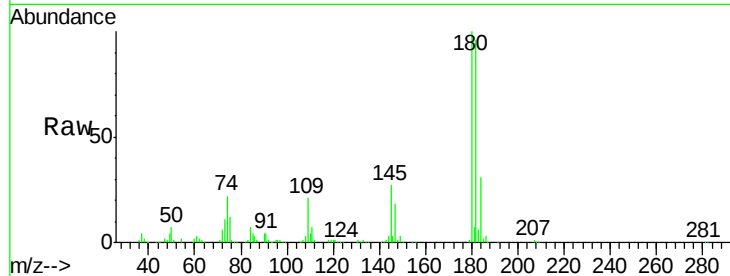




#93
 1,2,4-Trichlorobenzene
 Concen: 58.530 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

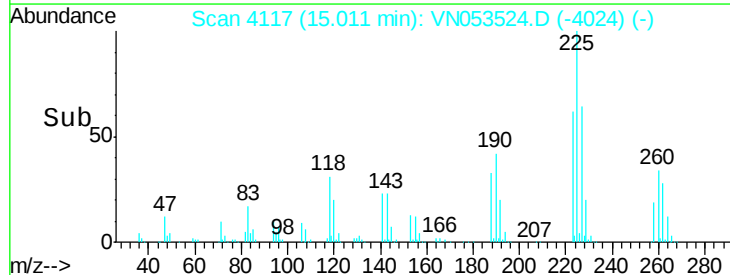
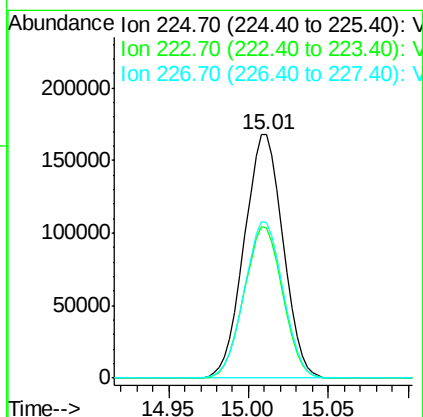
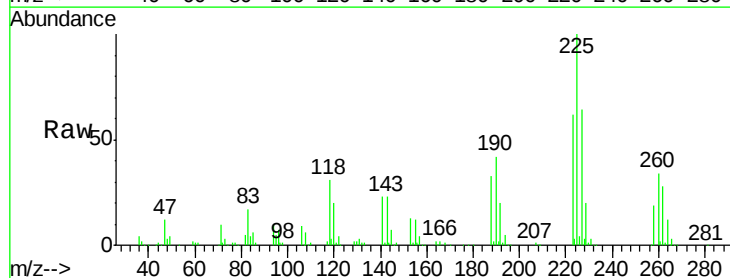
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

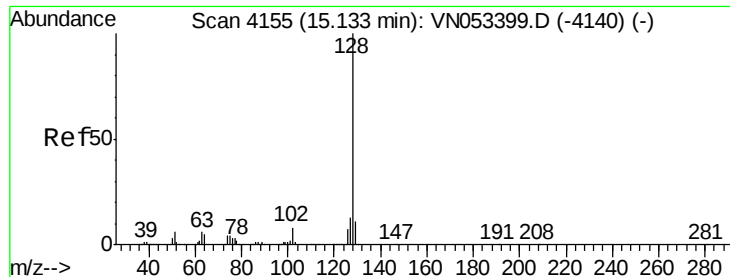
Tot Ion:180 Resp: 406455
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.1 144.3
 145 27.6 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 57.440 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion:225 Resp: 279626
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.2
 227 64.1 32.0 96.2





#95

Naphthalene

Concen: 60.159 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

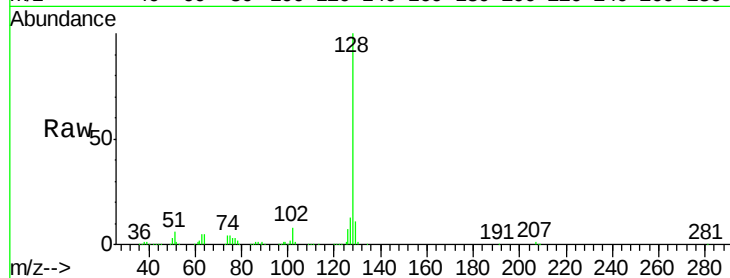
Tot Ion:128 Resp: 737262

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

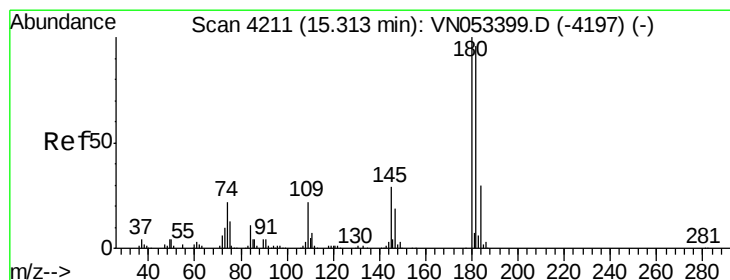
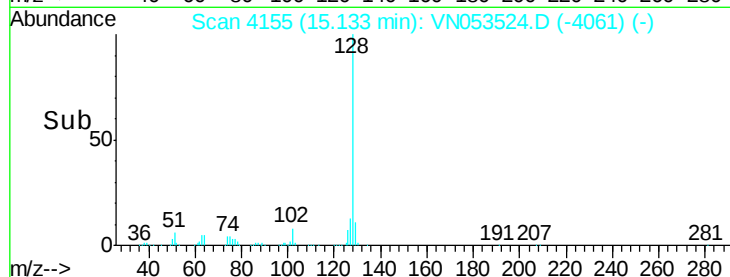
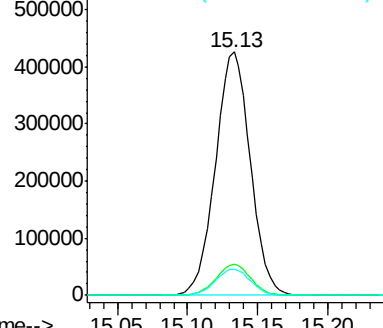
129 11.0 8.6 13.0



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: 59.817 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

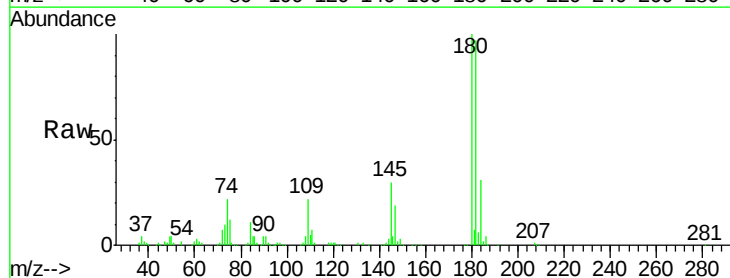
Tgt Ion:180 Resp: 305571

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.8

145 29.9 14.7 44.1



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

