

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053398.D
 Acq On : 15 Jan 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 16 02:51:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	885612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1338043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1215406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	570194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	173326	19.80	ug/l	0.00
Spiked Amount			Recovery	=	39.60%	
35) Dibromofluoromethane	7.59	113	147847	19.36	ug/l	0.00
Spiked Amount			Recovery	=	38.72%	
50) Toluene-d8	10.09	98	636276	19.70	ug/l	0.00
Spiked Amount			Recovery	=	39.40%	
62) 4-Bromofluorobenzene	12.40	95	216989	19.16	ug/l	0.00
Spiked Amount			Recovery	=	38.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	147858	20.766	ug/l	99
3) Chloromethane	2.06	50	205406	20.177	ug/l	99
4) Vinyl Chloride	2.19	62	200561	20.438	ug/l	100
5) Bromomethane	2.55	94	132090	19.617	ug/l	99
6) Chloroethane	2.70	64	120034	20.231	ug/l	99
7) Trichlorofluoromethane	3.02	101	265212	20.662	ug/l	97
8) Diethyl Ether	3.41	74	101105	20.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	167116	20.558	ug/l	100
10) Methyl Iodide	3.96	142	245885	19.793	ug/l	100
11) Tert butyl alcohol	4.78	59	39833	92.998	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	159395	20.216	ug/l	99
13) Acrolein	3.61	56	73337	102.502	ug/l	99
14) Allyl chloride	4.33	41	263718	20.591	ug/l	96
15) Acrylonitrile	4.99	53	291796	103.517	ug/l	99
16) Acetone	3.81	43	206874	100.732	ug/l	98
17) Carbon Disulfide	4.06	76	476998	20.005	ug/l	99
18) Methyl Acetate	4.32	43	137489	19.870	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	431529	20.598	ug/l	100
20) Methylene Chloride	4.55	84	186898	19.933	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	173337	20.563	ug/l	99
22) Diisopropyl ether	5.95	45	561658	21.007	ug/l	97
23) Vinyl Acetate	5.90	43	1705276	103.757	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325831	20.615	ug/l	100
25) 2-Butanone	6.83	43	324575	102.558	ug/l	99
26) 2,2-Dichloropropane	6.82	77	244480	20.487	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	198407	20.583	ug/l	98
28) Bromochloromethane	7.19	49	134541	19.322	ug/l	99
29) Tetrahydrofuran	7.21	42	210885	102.357	ug/l	99
30) Chloroform	7.37	83	315904	20.514	ug/l	99
31) Cyclohexane	7.65	56	313066	20.220	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	268420	20.548	ug/l	99
36) 1,1-Dichloropropene	7.79	75	253174	20.776	ug/l	99
37) Ethyl Acetate	6.93	43	142941	20.221	ug/l	99
38) Carbon Tetrachloride	7.77	117	235722	20.432	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308867	20.507	ug/l	99
40) Benzene	8.04	78	764795	20.653	ug/l	99
41) Methacrylonitrile	7.17	41	78179	17.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	221762	20.556	ug/l	100
43) Isopropyl Acetate	8.16	43	263480	20.016	ug/l #	90
44) Trichloroethene	8.83	130	211874	20.632	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198471	20.235	ug/l	99
46) Dibromomethane	9.21	93	114191	20.264	ug/l	99
47) Bromodichloromethane	9.40	83	239328	20.195	ug/l	99
48) Methyl methacrylate	9.20	41	132414	20.343	ug/l	100
49) 1,4-Dioxane	9.20	88	25744	404.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	714636	103.846	ug/l	100
52) Toluene	10.16	92	474269	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	243262	20.252	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	292054	20.741	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164671	20.777	ug/l	98
56) Ethyl methacrylate	10.43	69	205573	19.582	ug/l	99
57) 1,3-Dichloropropane	10.71	76	281709	20.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	560064	101.007	ug/l	99
59) 2-Hexanone	10.75	43	494937	102.453	ug/l	99
60) Dibromochloromethane	10.90	129	181562	20.197	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164428	20.513	ug/l	100
64) Tetrachloroethene	10.63	164	237762	20.758	ug/l	99
65) Chlorobenzene	11.43	112	534567	20.779	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	179115	20.013	ug/l	99
67) Ethyl Benzene	11.51	91	900207	20.532	ug/l	99
68) m/p-Xylenes	11.62	106	691163	41.754	ug/l	99
69) o-Xylene	11.95	106	332936	20.699	ug/l	99
70) Styrene	11.96	104	548455	21.009	ug/l	100
71) Bromoform	12.13	173	123956	20.118	ug/l #	100
73) Isopropylbenzene	12.25	105	886106	21.221	ug/l	99
74) N-amyl acetate	12.07	43	228072	20.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	182865	20.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	245620	34.213	ug/l #	100
77) Bromobenzene	12.53	156	231901	21.077	ug/l	98
78) n-propylbenzene	12.59	91	1019075	21.262	ug/l	99
79) 2-Chlorotoluene	12.67	91	598297	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	722189	21.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52753	19.401	ug/l	94
82) 4-Chlorotoluene	12.77	91	614685	21.216	ug/l	99
83) tert-Butylbenzene	12.99	119	641791	21.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	728629	21.270	ug/l	99
85) sec-Butylbenzene	13.17	105	866536	21.057	ug/l	100
86) p-Isopropyltoluene	13.29	119	756974	21.185	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	402478	20.795	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398150	20.508	ug/l	100
89) n-Butylbenzene	13.62	91	625962	20.552	ug/l	99
90) Hexachloroethane	13.87	117	111275	19.857	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	373901	20.999	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22122	19.923	ug/l	98

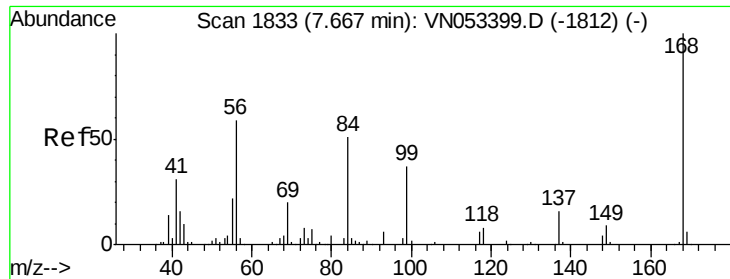
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138896	19.467	ug/l	98
94) Hexachlorobutadiene	15.01	225	118740	21.377	ug/l	98
95) Naphthalene	15.13	128	219003	18.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	92794	18.785	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

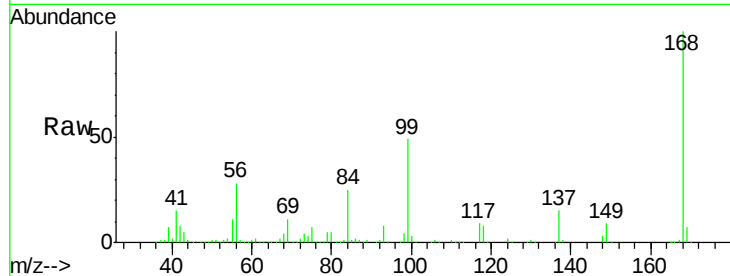
VSTDIC020

Tot Ion:168 Resp: 885612

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

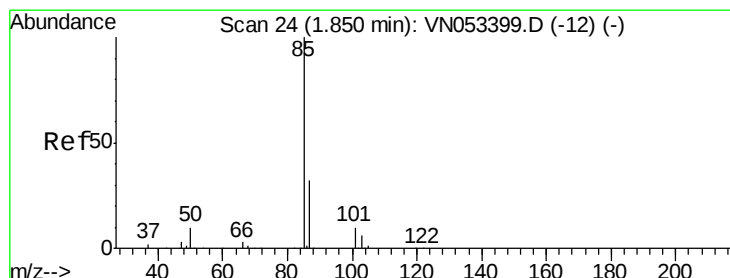
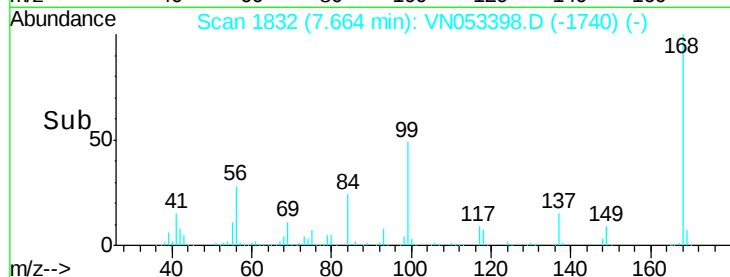
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.766 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053398.D

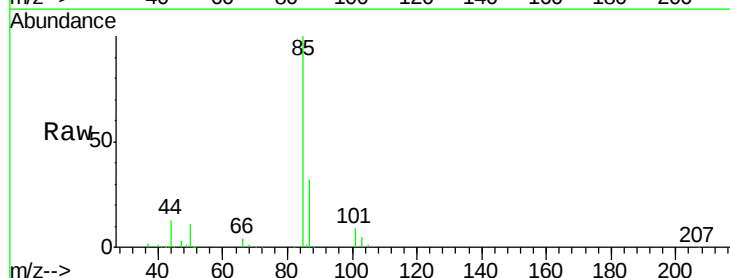
Acq: 15 Jan 2019 10:09

Tgt Ion: 85 Resp: 147858

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

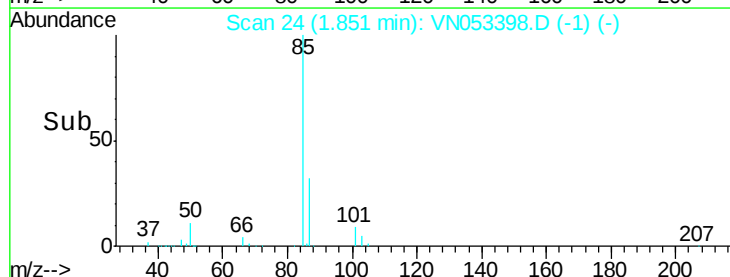
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.177 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

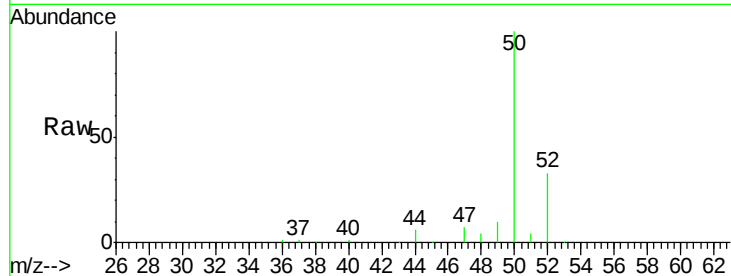
VSTDIC020

Tot Ion: 50 Resp: 205406

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

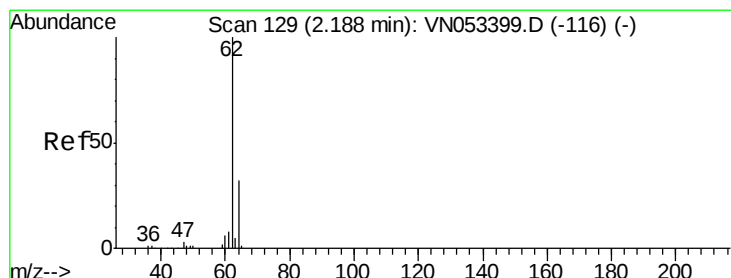
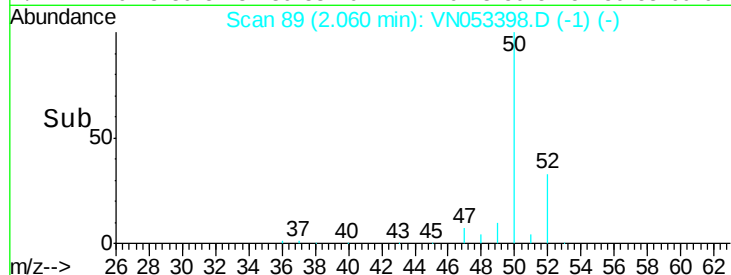
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053398.D

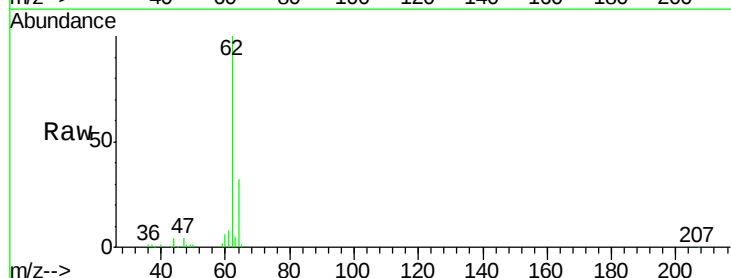
Acq: 15 Jan 2019 10:09

Tgt Ion: 62 Resp: 200561

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

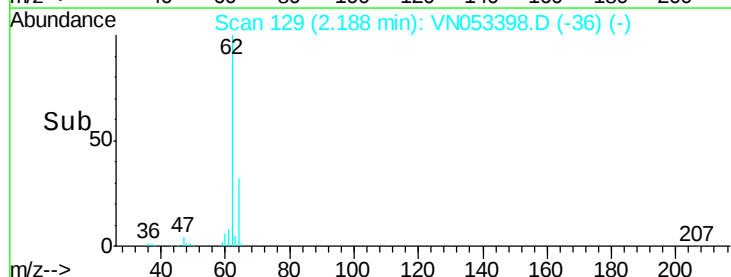
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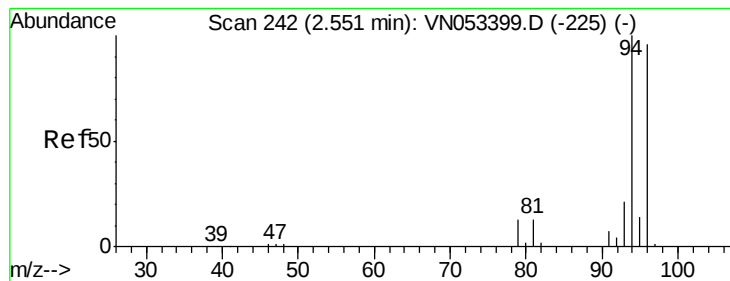
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.617 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

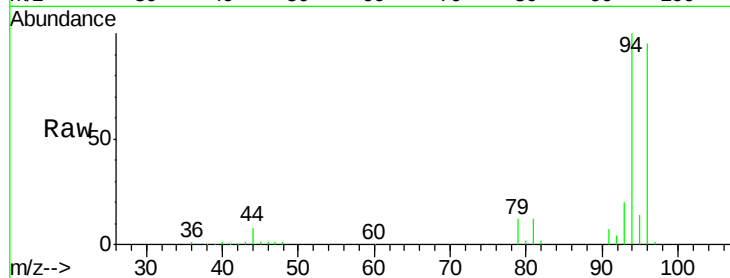
VSTDIC020

Tot Ion: 94 Resp: 132090

Ion Ratio Lower Upper

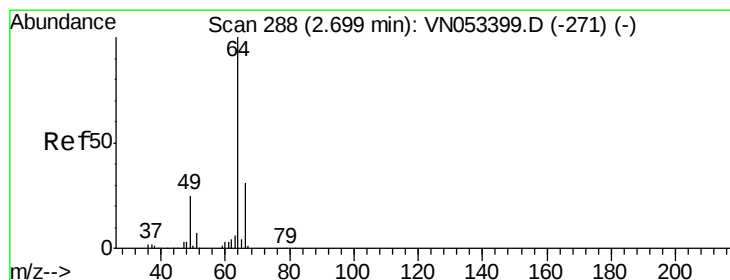
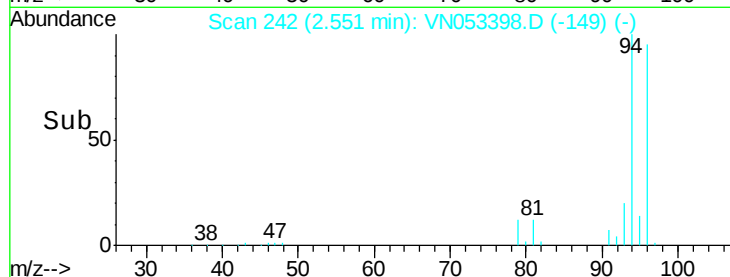
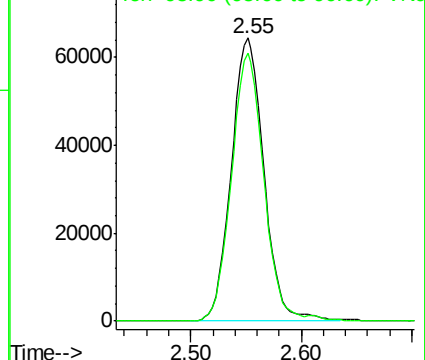
94 100

96 94.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.231 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN053398.D

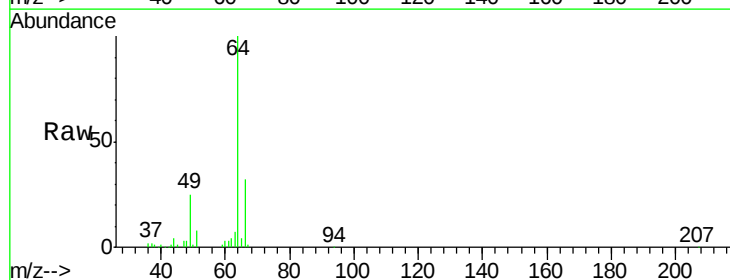
Acq: 15 Jan 2019 10:09

Tgt Ion: 64 Resp: 120034

Ion Ratio Lower Upper

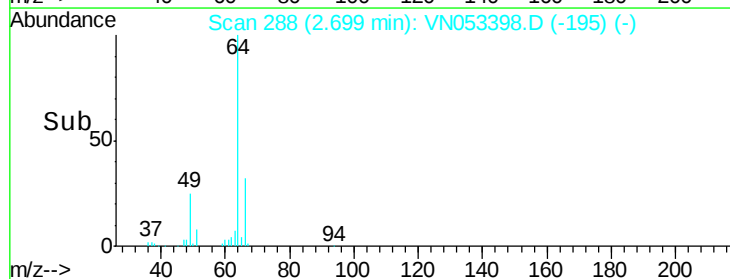
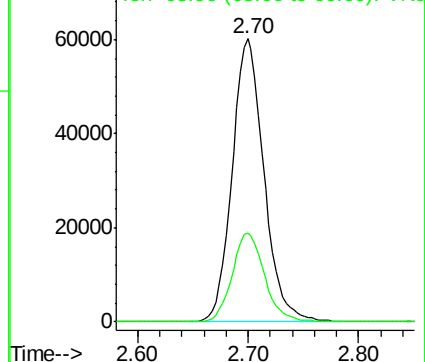
64 100

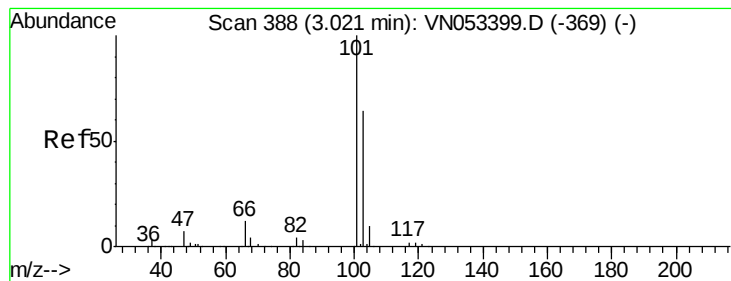
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



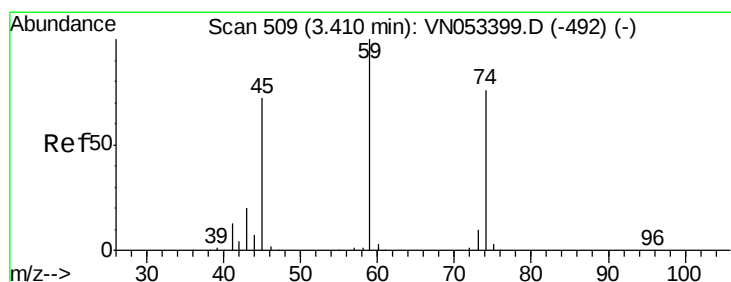
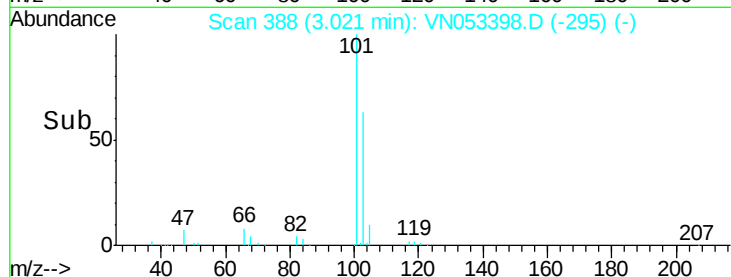
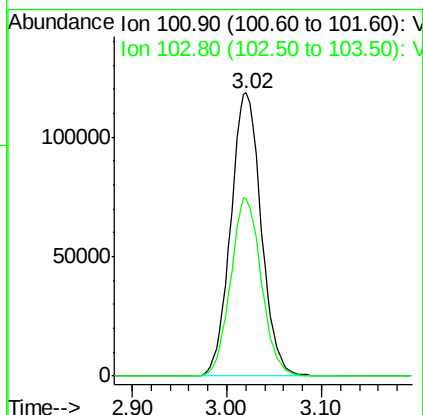
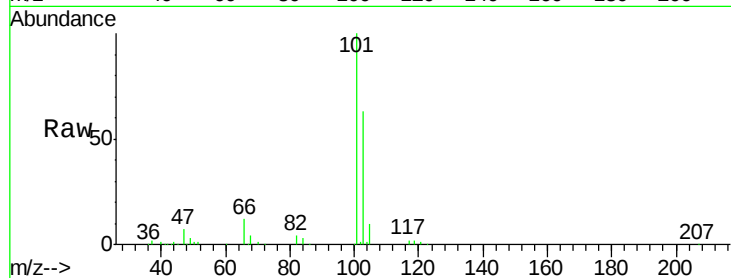


#7

Trichlorofluoromethane
 Concen: 20.662 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Instrument :
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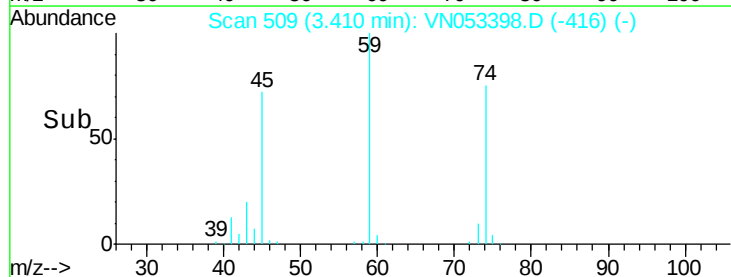
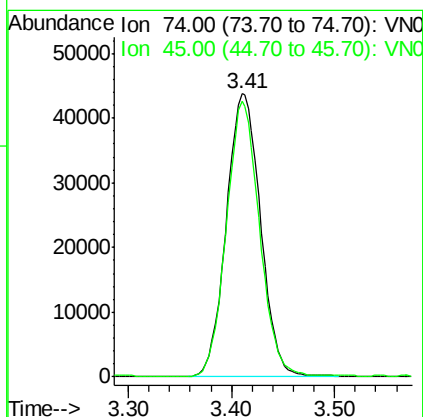
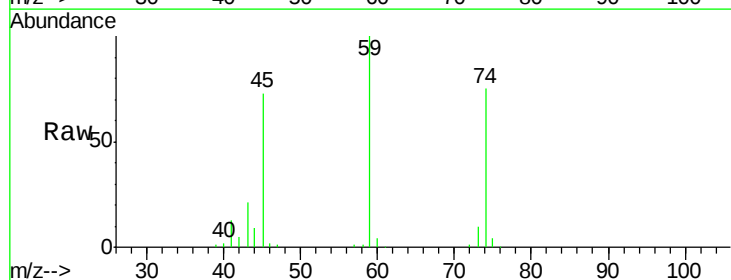
Tot Ion:101 Resp: 265212
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.1 78.1

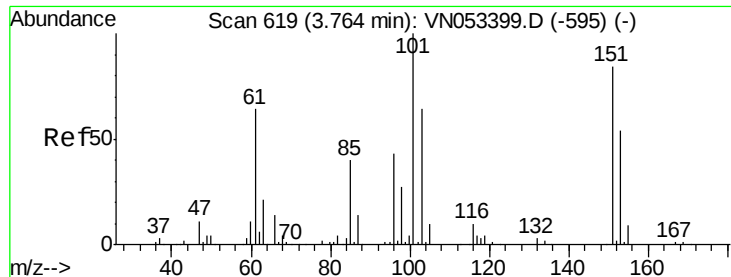


#8

Diethyl Ether
 Concen: 20.972 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 74 Resp: 101105
 Ion Ratio Lower Upper
 74 100
 45 94.5 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

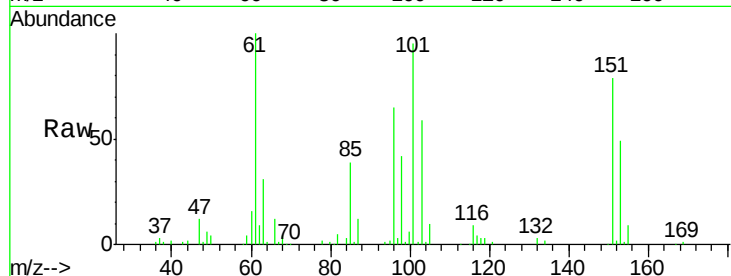
Tot Ion:101 Resp: 167116

Ion Ratio Lower Upper

101 100

85 41.5 33.3 49.9

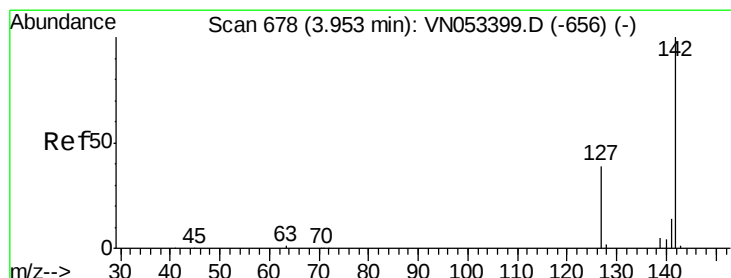
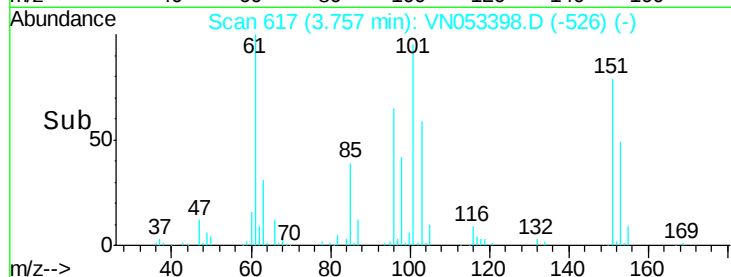
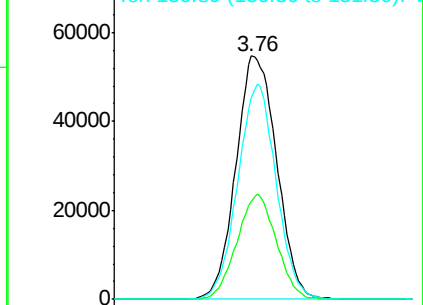
151 83.4 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.793 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

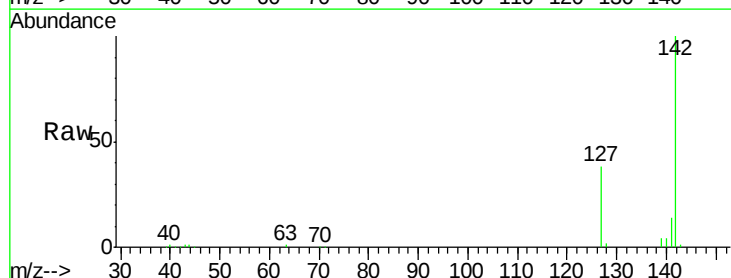
Tgt Ion:142 Resp: 245885

Ion Ratio Lower Upper

142 100

127 38.8 30.9 46.3

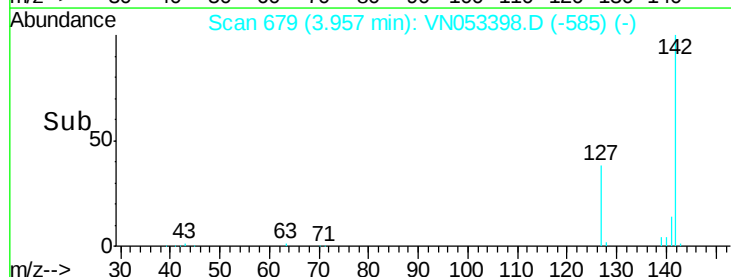
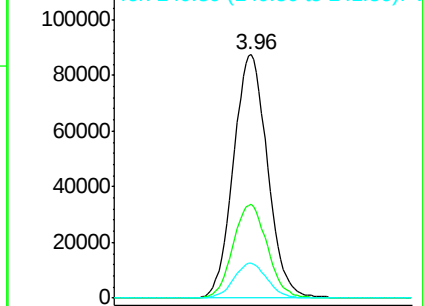
141 14.0 11.2 16.8

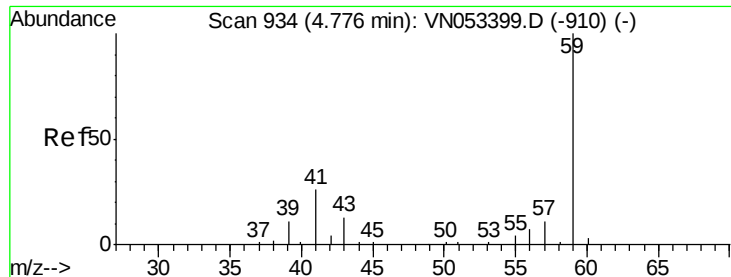


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

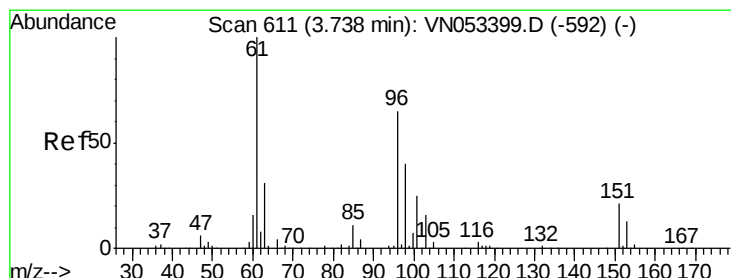
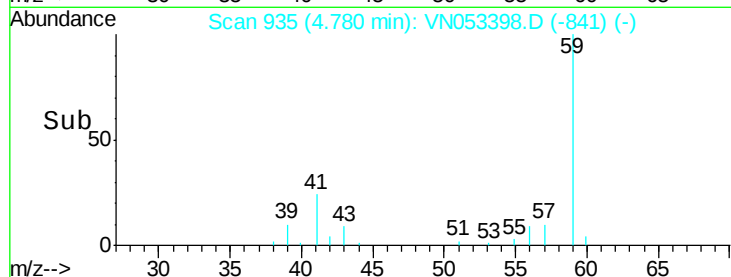
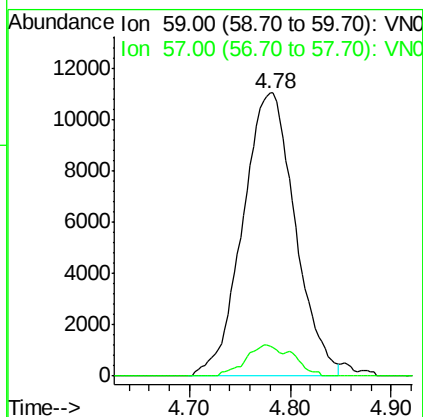
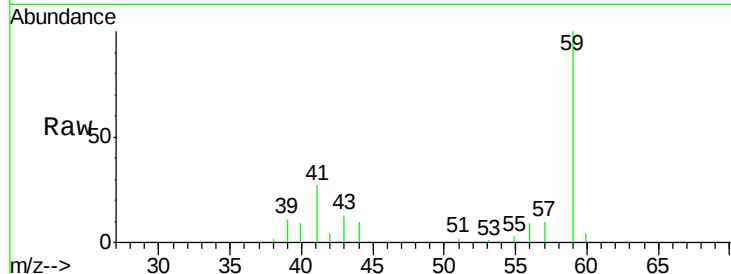




#11
Tert butyl alcohol
Concen: 92.998 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

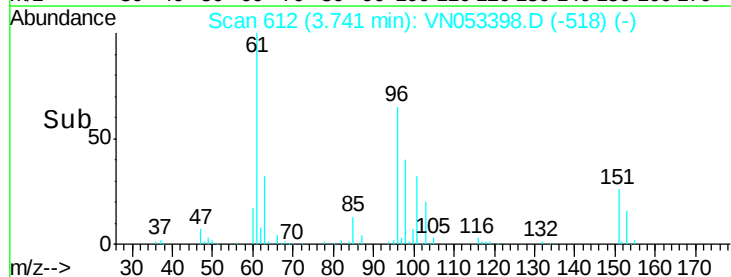
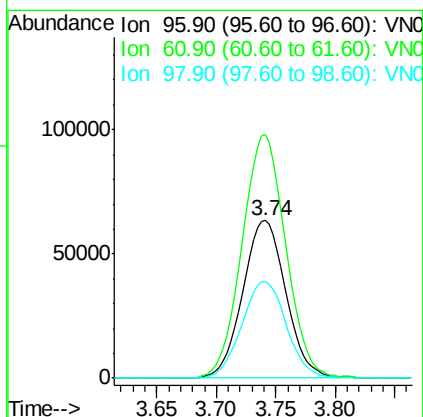
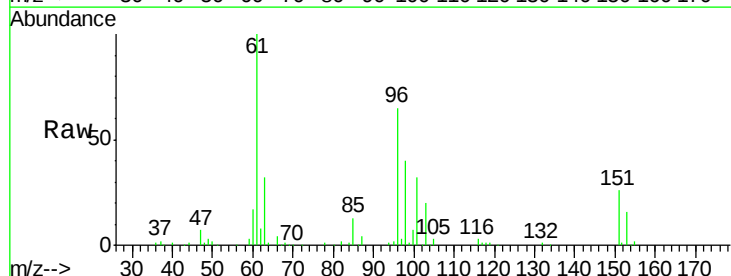
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

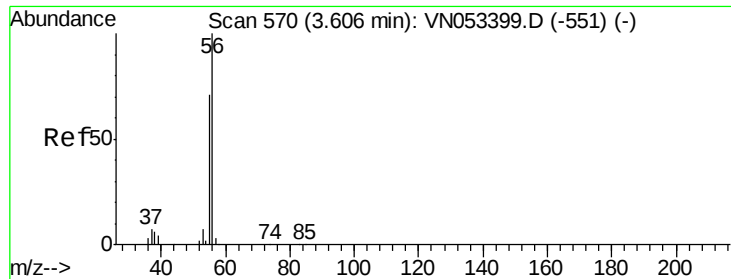
Tot Ion: 59 Resp: 39833
Ion Ratio Lower Upper
59 100
57 7.1 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 20.216 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 96 Resp: 159395
Ion Ratio Lower Upper
96 100
61 154.4 123.2 184.8
98 61.3 50.5 75.7





#13

Acrolein

Concen: 102.502 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

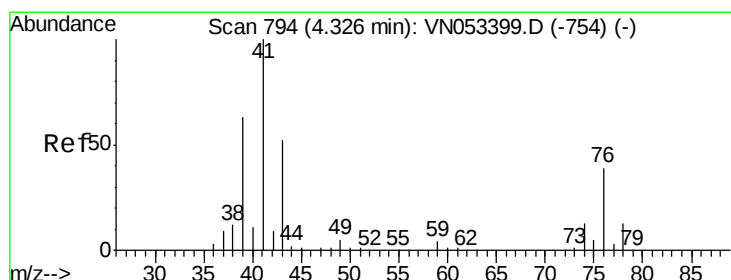
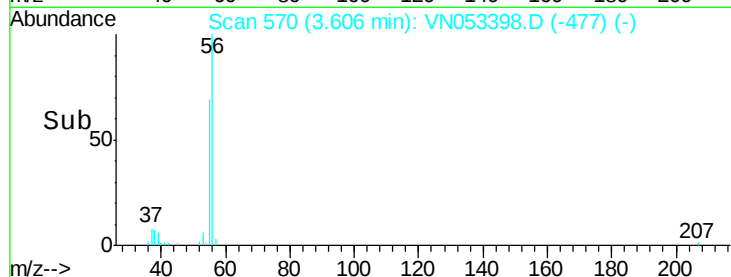
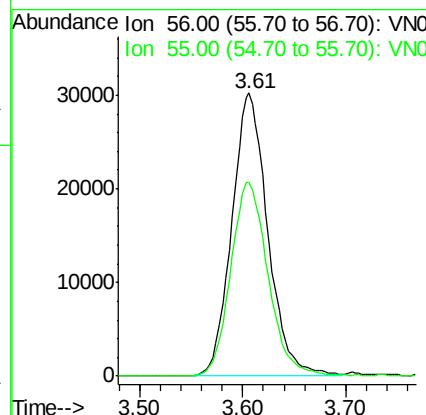
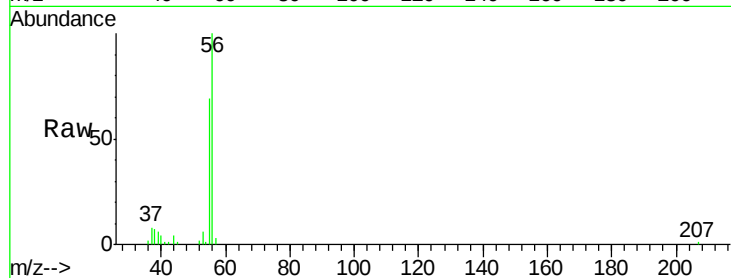
VSTDIC020

Tot Ion: 56 Resp: 73337

Ion Ratio Lower Upper

56 100

55 70.9 56.3 84.5



#14

Allyl chloride

Concen: 20.591 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

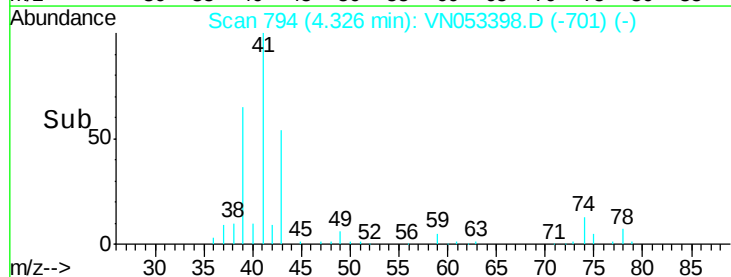
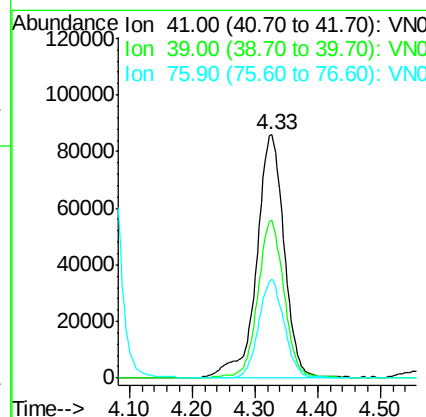
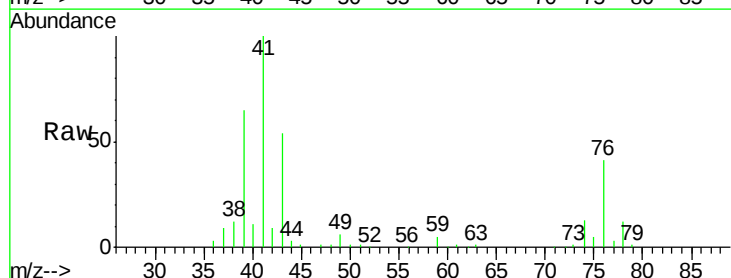
Tgt Ion: 41 Resp: 263718

Ion Ratio Lower Upper

41 100

39 61.8 51.9 77.9

76 36.7 31.2 46.8





#15

Acrylonitrile

Concen: 103.517 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

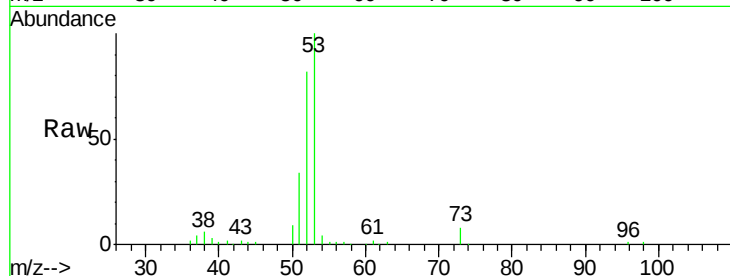
Tot Ion: 53 Resp: 291796

Ion Ratio Lower Upper

53 100

52 82.8 65.2 97.8

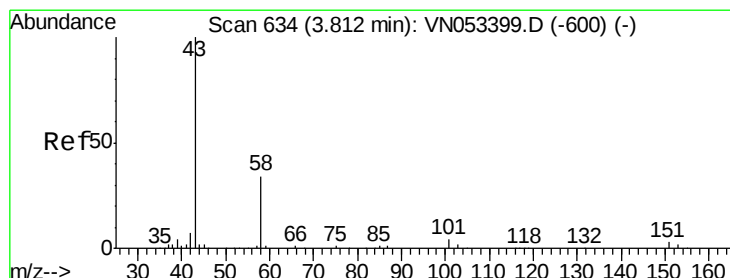
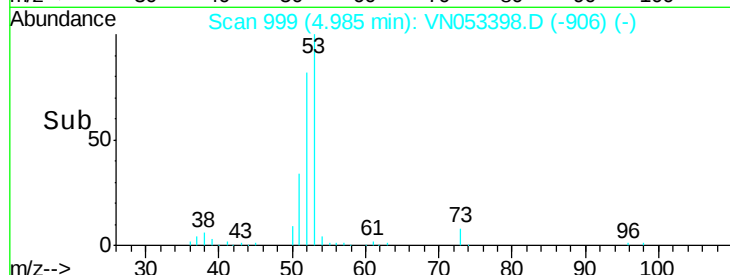
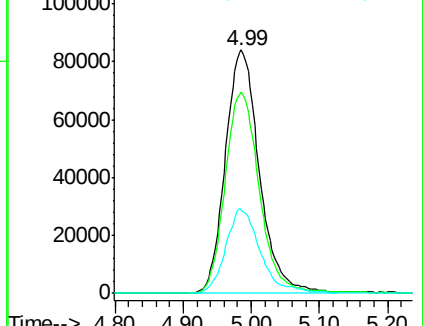
51 35.4 28.0 42.0



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: 100.732 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053398.D

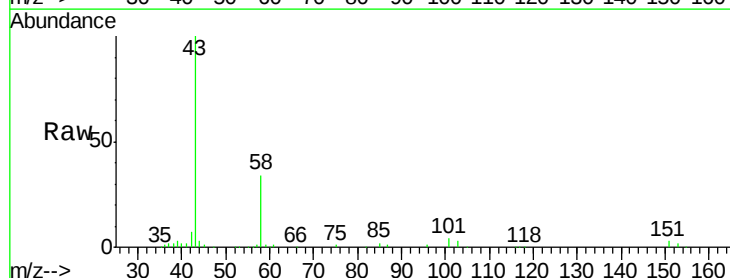
Acq: 15 Jan 2019 10:09

Tgt Ion: 43 Resp: 206874

Ion Ratio Lower Upper

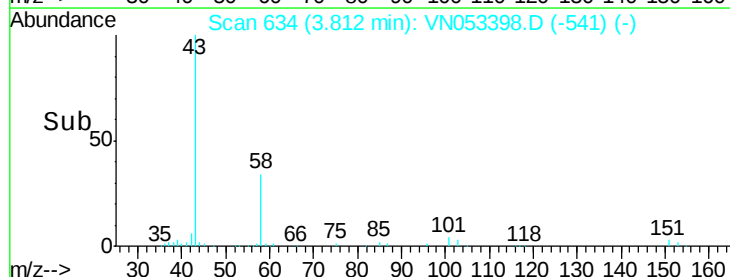
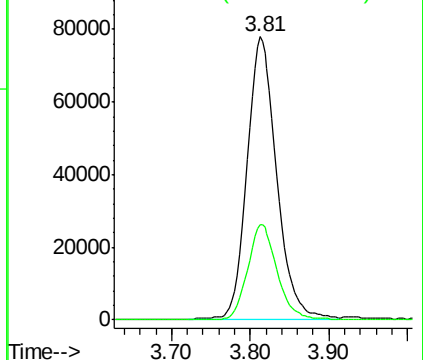
43 100

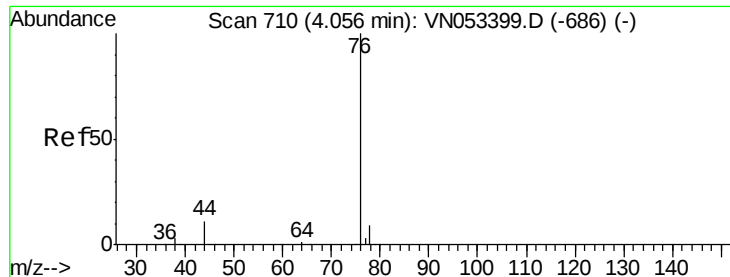
58 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

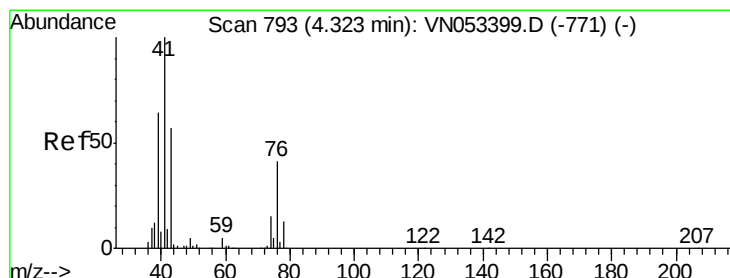
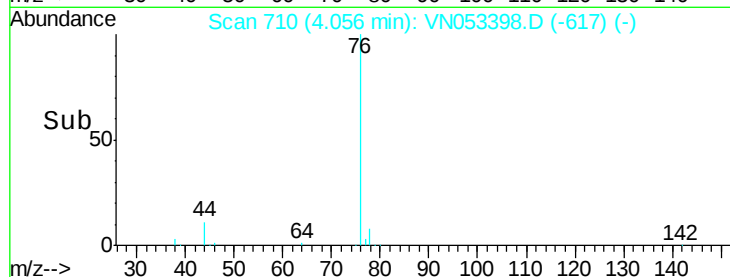
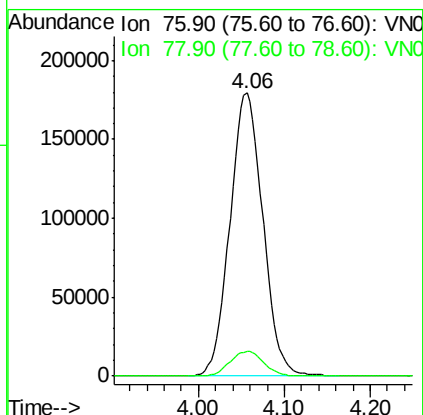
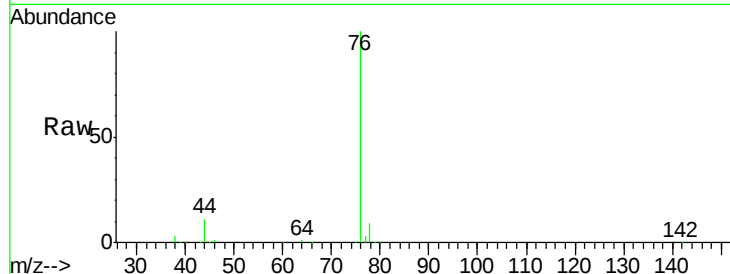




#17
Carbon Disulfide
Concen: 20.005 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

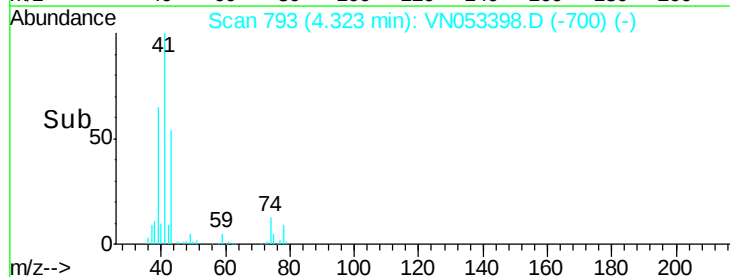
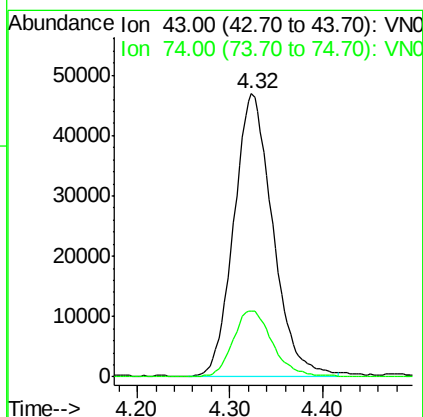
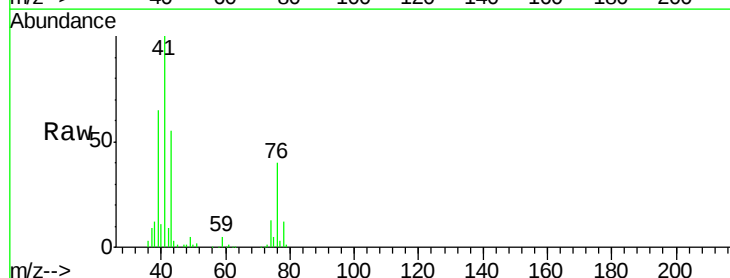
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 476998
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 19.870 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 43 Resp: 137489
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.8

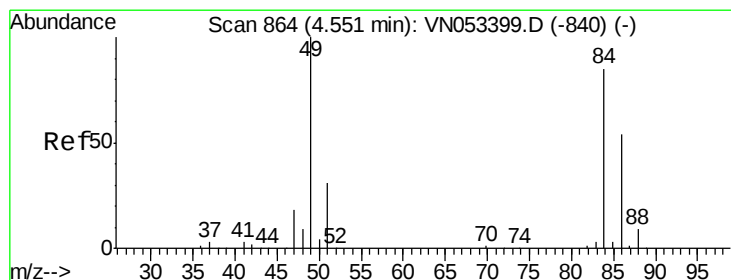
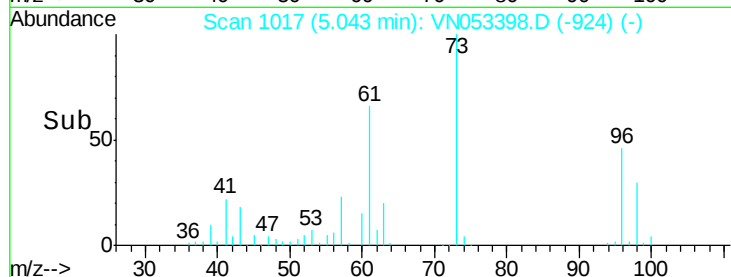
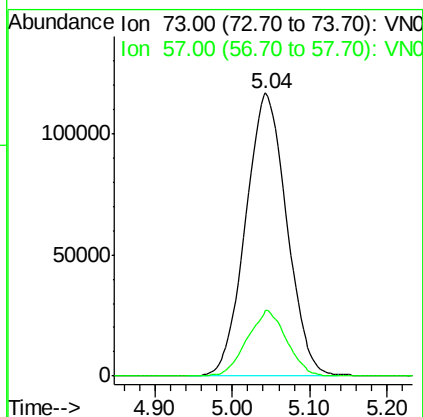
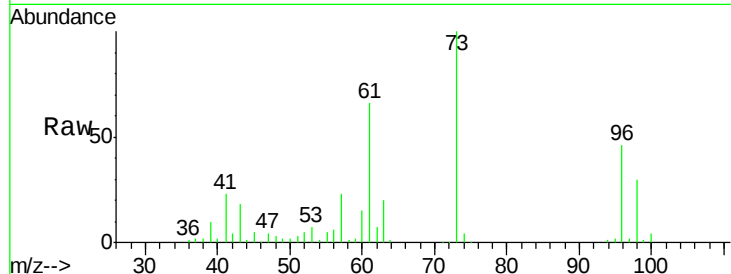




#19
Methvl tert-butvl Ether
Concen: 20.598 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

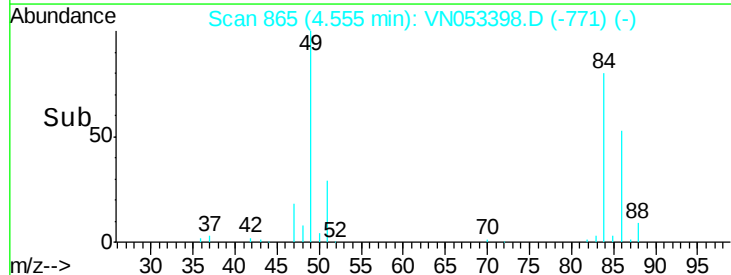
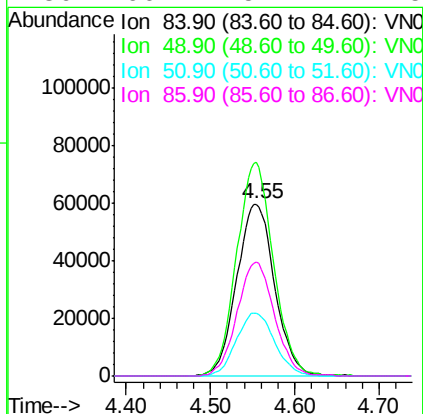
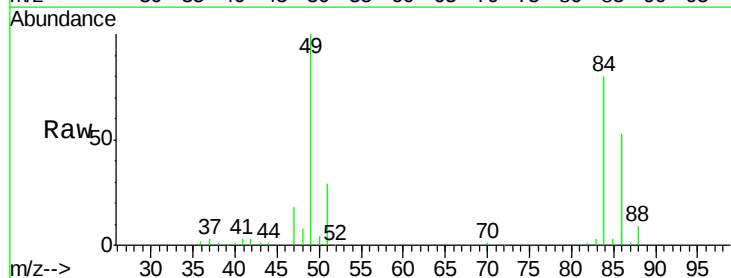
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

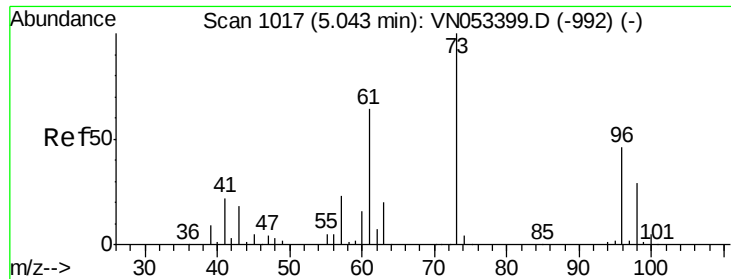
Tot Ion: 73 Resp: 431529
Ion Ratio Lower Upper
73 100
57 23.0 18.5 27.7



#20
Methylene Chloride
Concen: 19.933 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 84 Resp: 186898
Ion Ratio Lower Upper
84 100
49 124.4 95.3 142.9
51 36.3 29.0 43.6
86 66.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.563 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

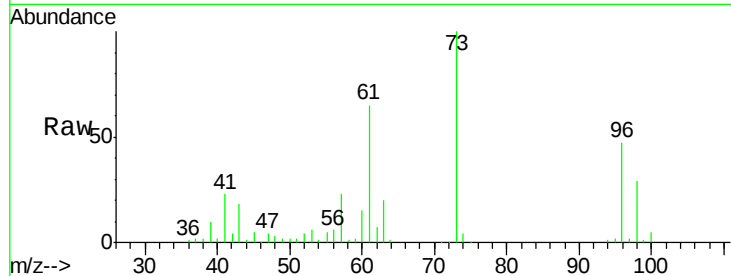
Tot Ion: 96 Resp: 173337

Ion Ratio Lower Upper

96 100

61 139.6 110.2 165.4

98 62.8 50.7 76.1

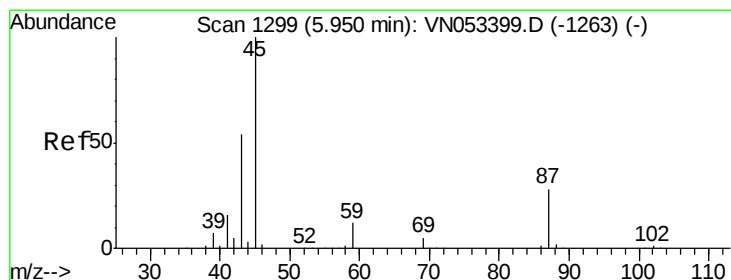
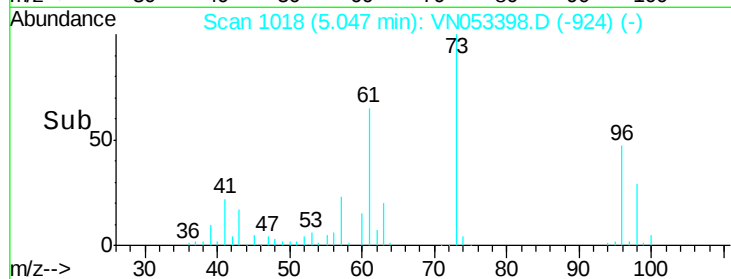
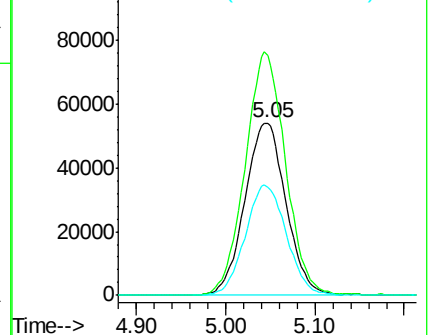


Abundance

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: 21.007 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Tgt Ion: 45 Resp: 561658

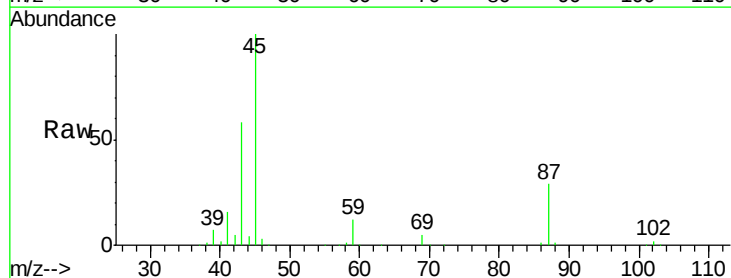
Ion Ratio Lower Upper

45 100

43 56.6 43.0 64.6

87 29.1 22.1 33.1

59 11.9 9.0 13.4



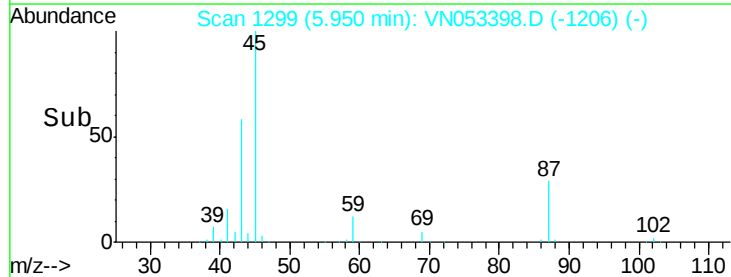
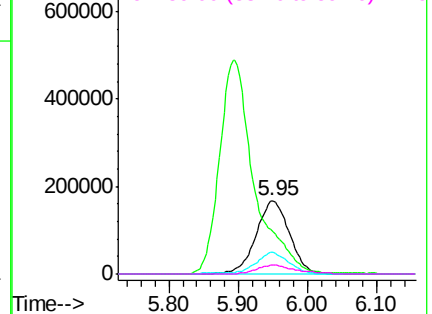
Abundance

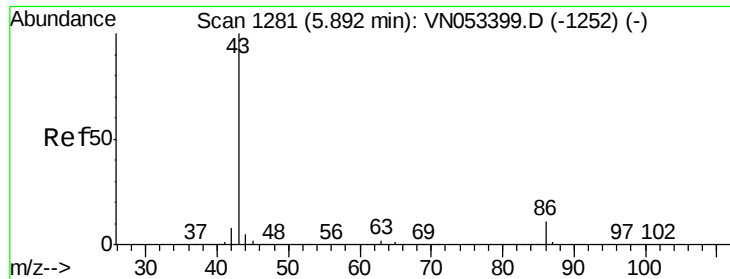
Ion 45.00 (44.70 to 45.70): VN0

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

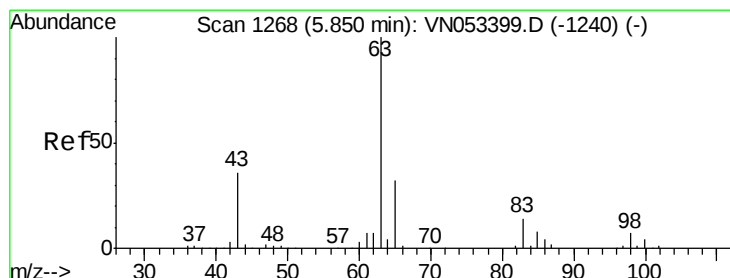
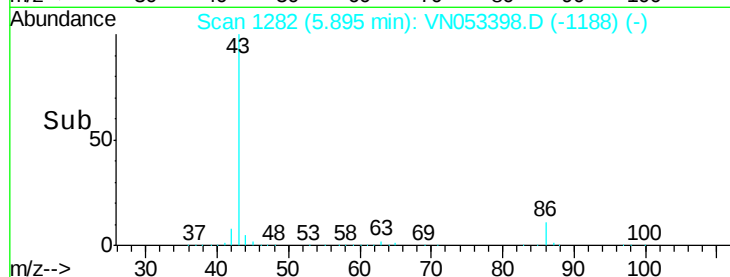
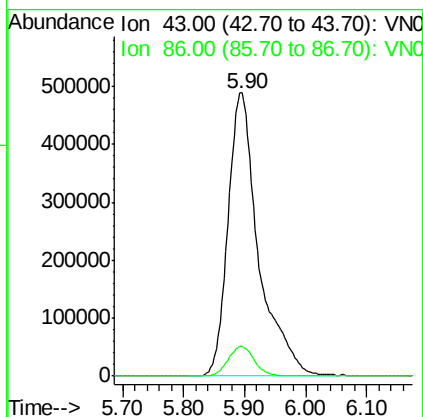
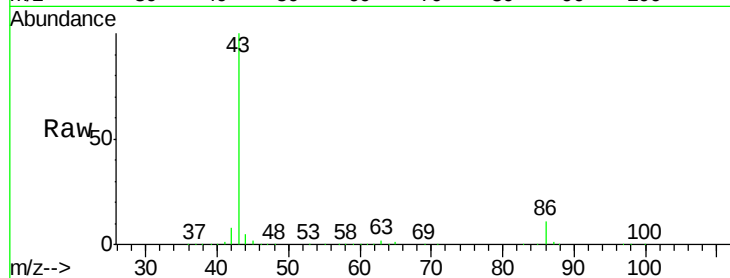




#23
 Vinyl Acetate
 Concen: 103.757 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

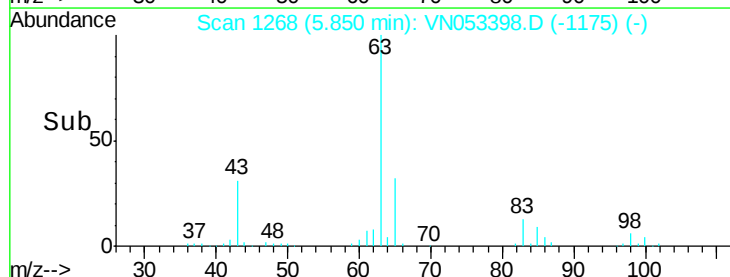
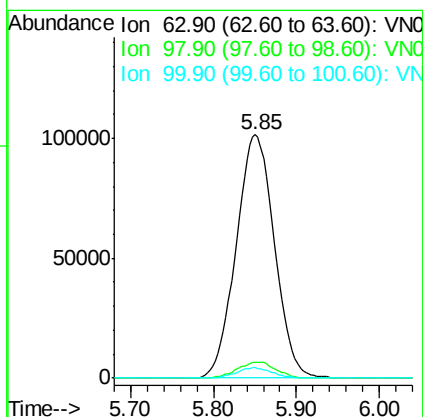
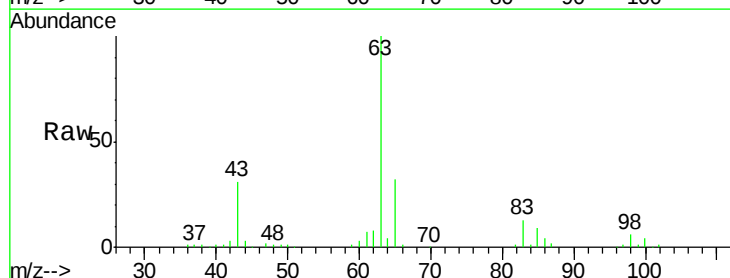
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

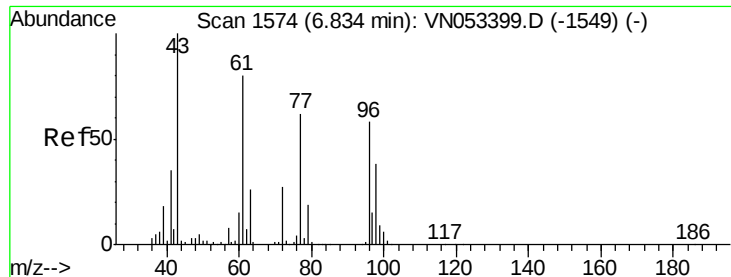
Tot Ion: 43 Resp: 1705276
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.615 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 63 Resp: 325831
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.3 2.1 6.5

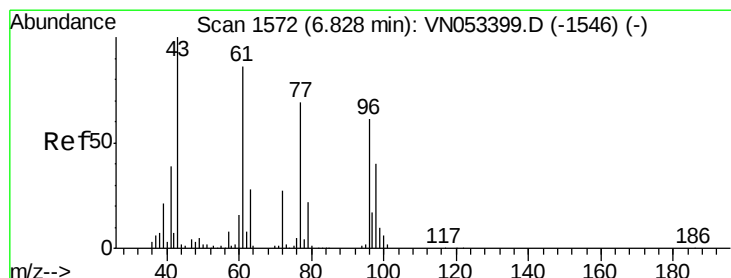
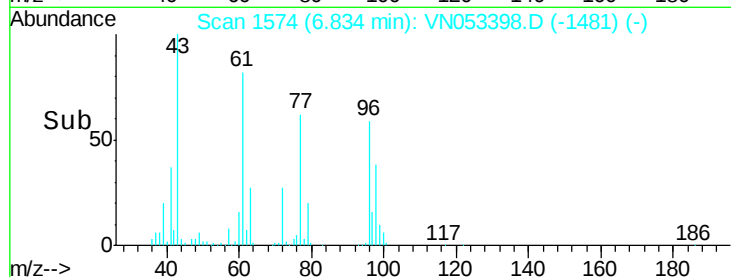
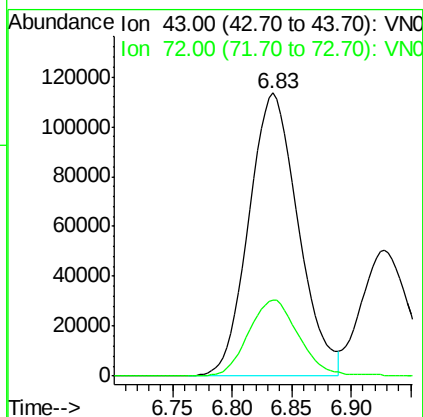
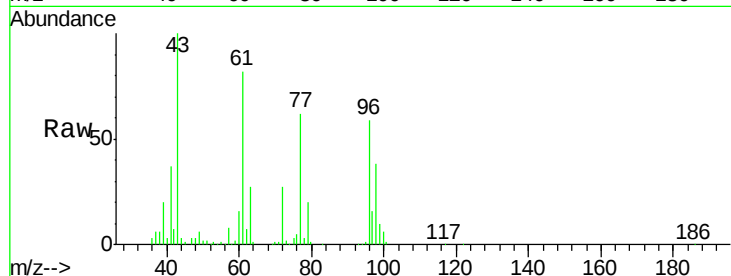




#25
2-Butanone
Concen: 102.558 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

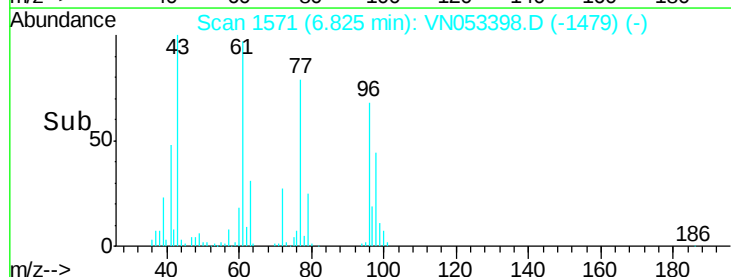
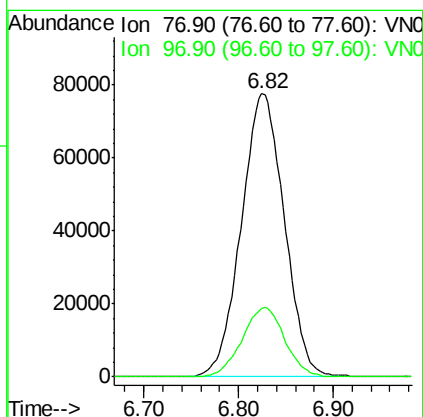
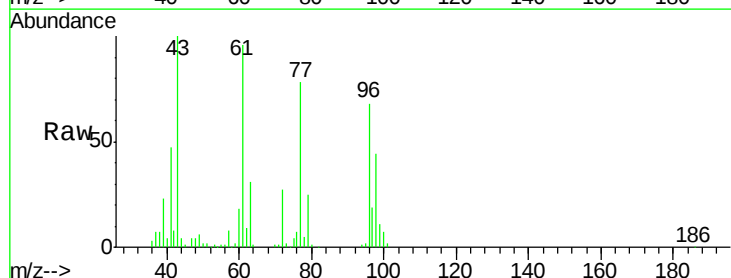
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

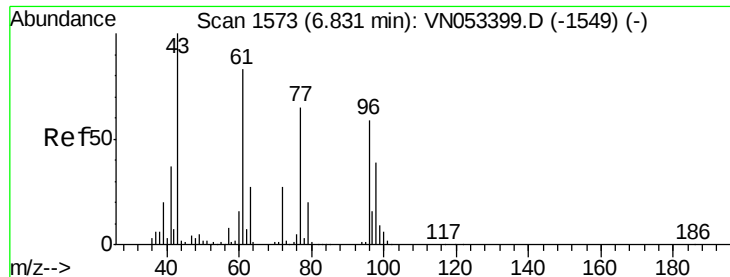
Tot Ion: 43 Resp: 324575
Ion Ratio Lower Upper
43 100
72 27.1 22.0 33.0



#26
2,2-Dichloropropane
Concen: 20.487 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 77 Resp: 244480
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.583 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

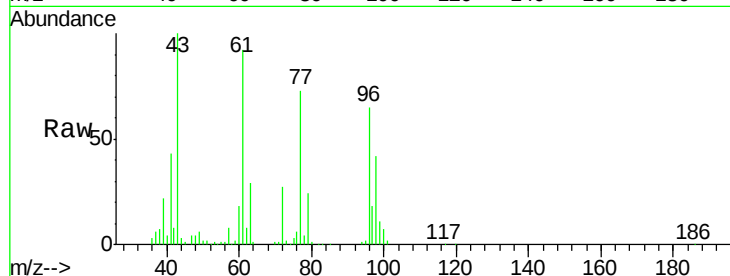
Tot Ion: 96 Resp: 198407

Ion Ratio Lower Upper

96 100

61 142.9 0.0 280.6

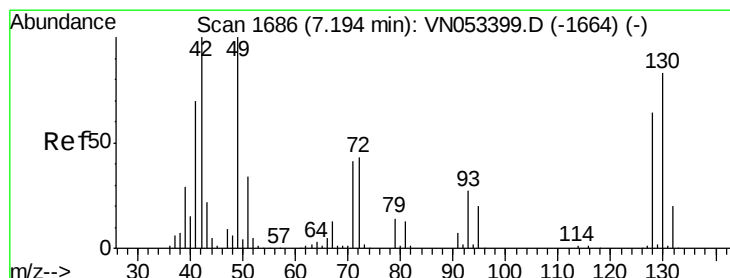
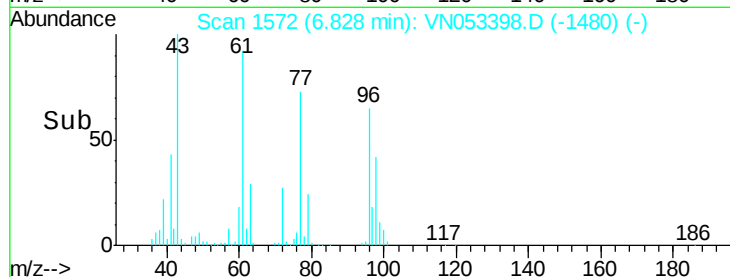
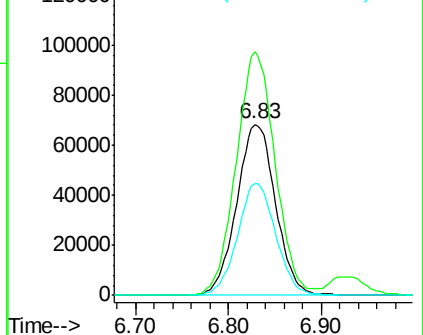
98 64.7 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN053398.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053398.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053398.D (-1549) (-)



#28

Bromochloromethane

Concen: 19.322 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

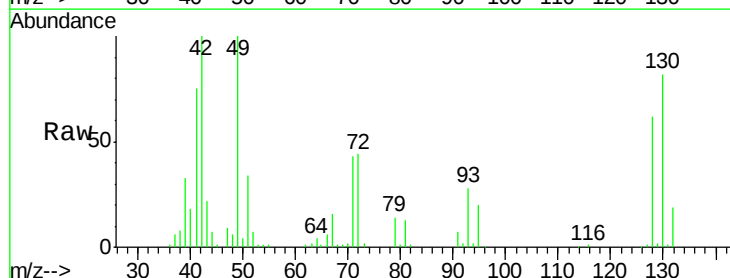
Tgt Ion: 49 Resp: 134541

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

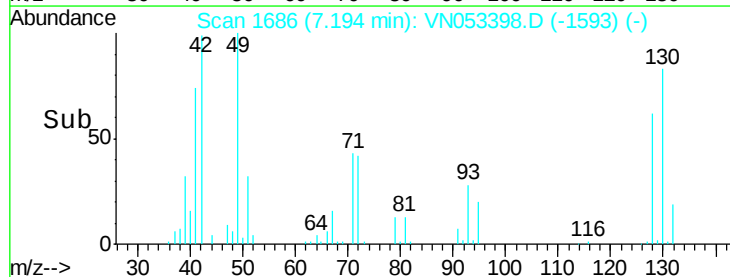
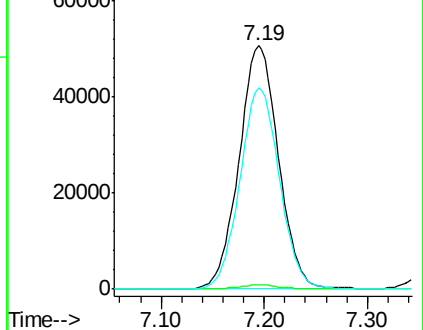
130 82.8 65.4 98.0

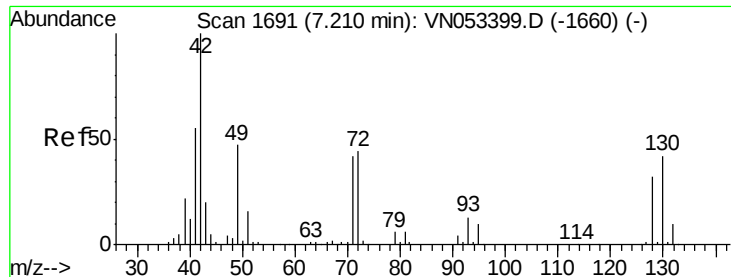


Abundance Ion 48.90 (48.60 to 49.60): VN053398.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053398.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053398.D (-1593) (-)

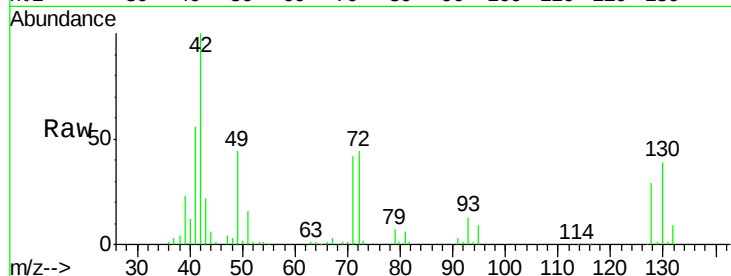




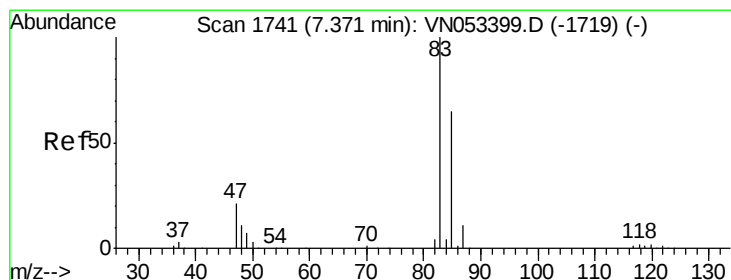
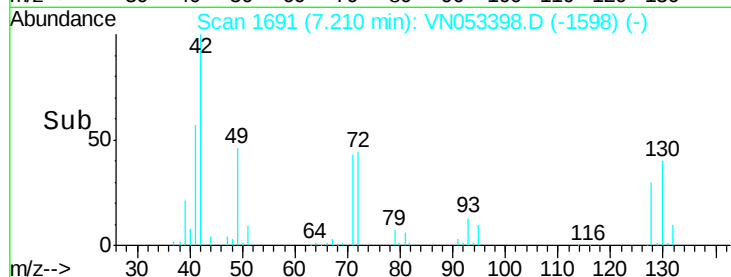
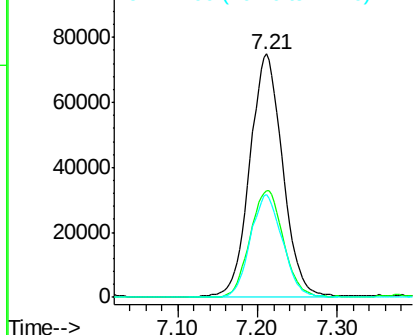
#29
Tetrahydrofuran
Concen: 102.357 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 42 Resp: 210885
Ion Ratio Lower Upper
42 100
72 44.2 35.6 53.4
71 41.1 33.8 50.8

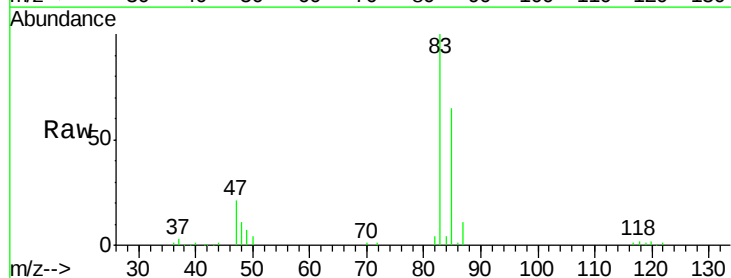


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

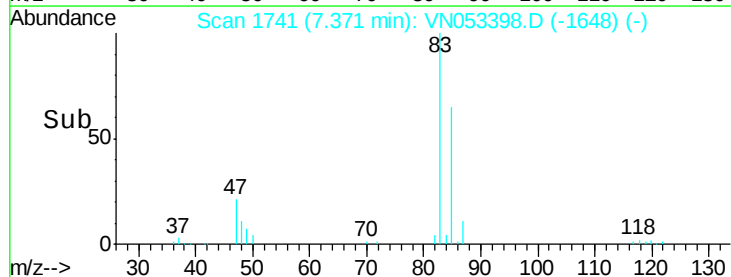
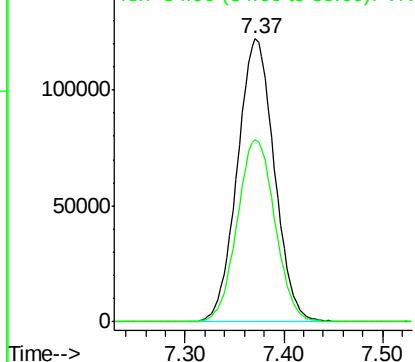


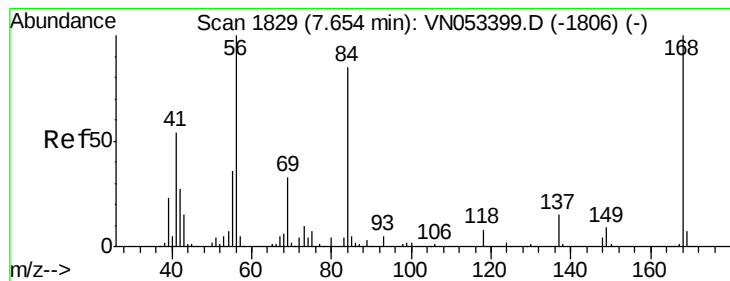
#30
Chloroform
Concen: 20.514 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 83 Resp: 315904
Ion Ratio Lower Upper
83 100
85 64.6 51.3 76.9



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





#31

Cyclohexane

Concen: 20.220 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

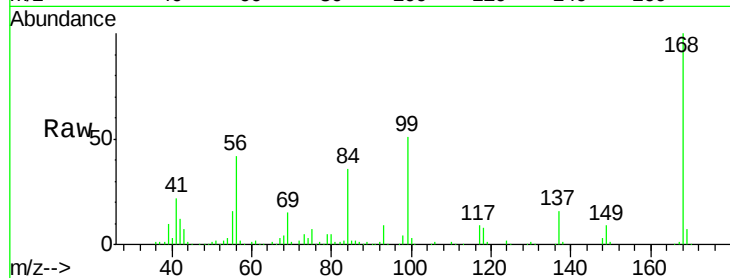
Tot Ion: 56 Resp: 313066

Ion Ratio Lower Upper

56 100

69 34.9 26.7 40.1

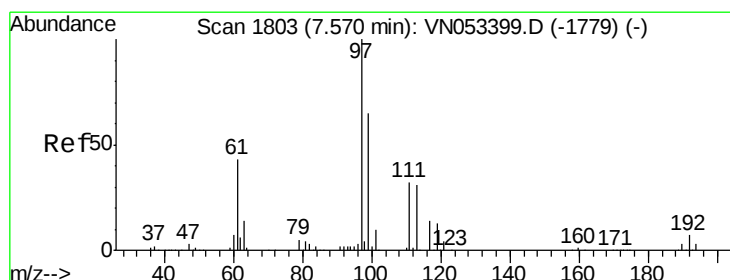
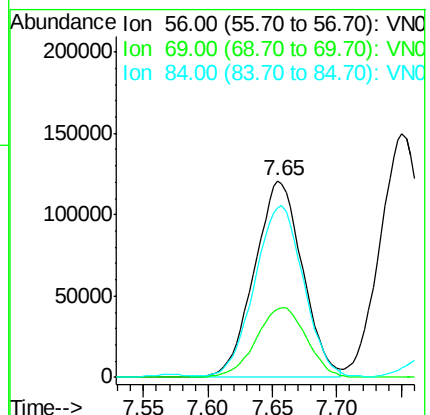
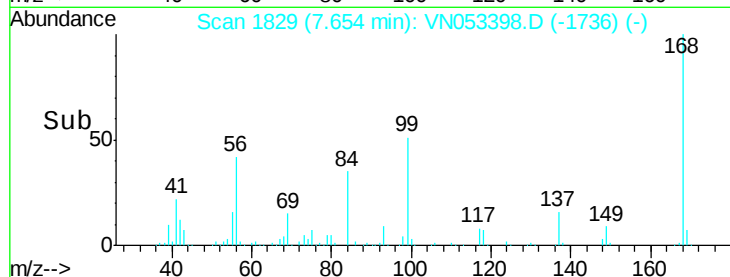
84 85.6 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN053398.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053398.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053398.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.548 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

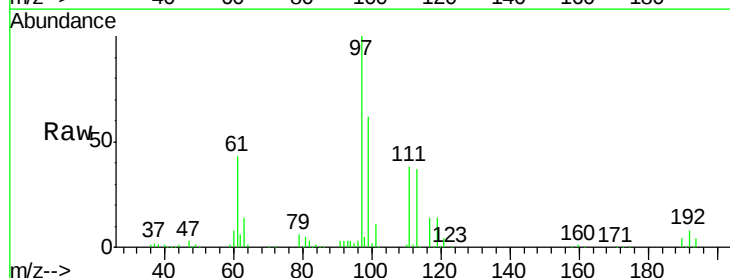
Tgt Ion: 97 Resp: 268420

Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

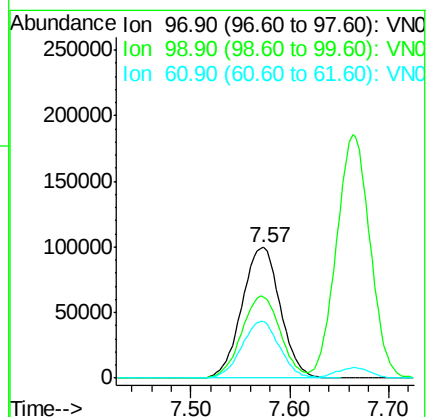
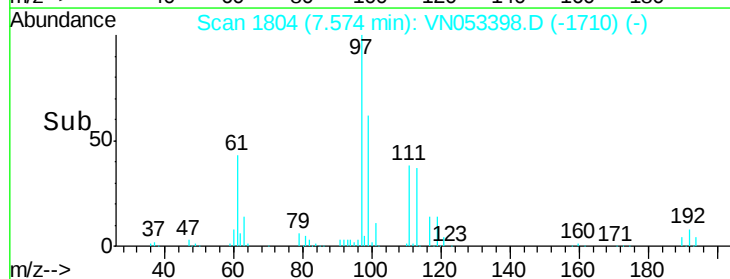
61 42.8 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VN053398.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053398.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053398.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 20.548 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

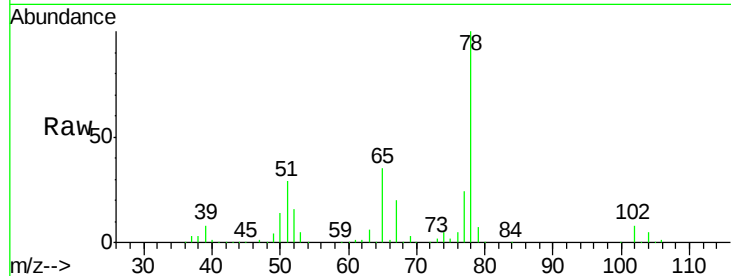
VSTDIC020

Tot Ion: 65 Resp: 173326

Ion Ratio Lower Upper

65 100

67 56.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN053398.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053398.D (-1852) (-)

8.03

80000

60000

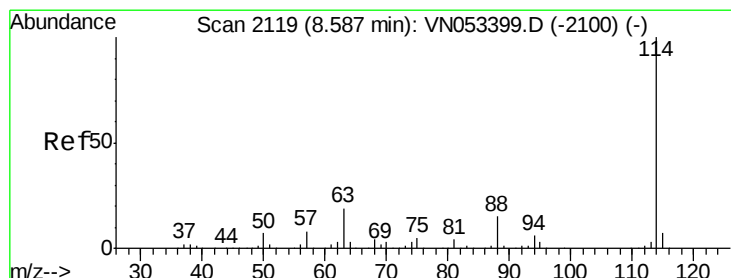
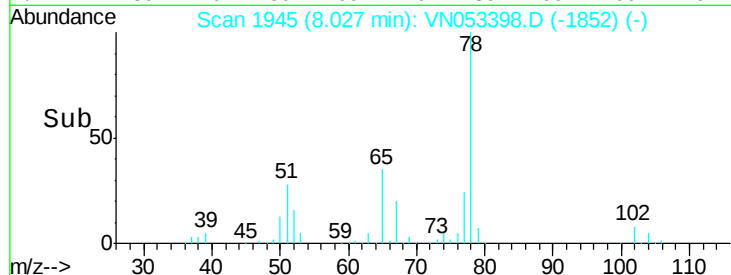
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

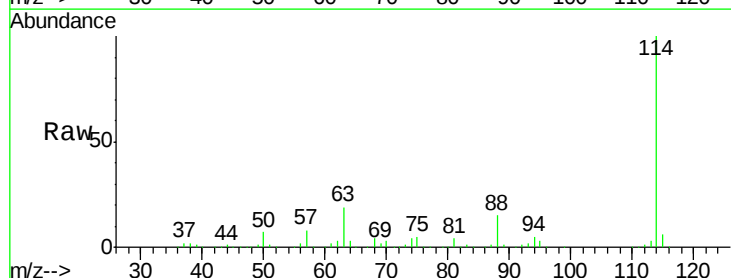
Tgt Ion: 114 Resp: 1338043

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053398.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053398.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053398.D (-2026) (-)

8.59

800000

600000

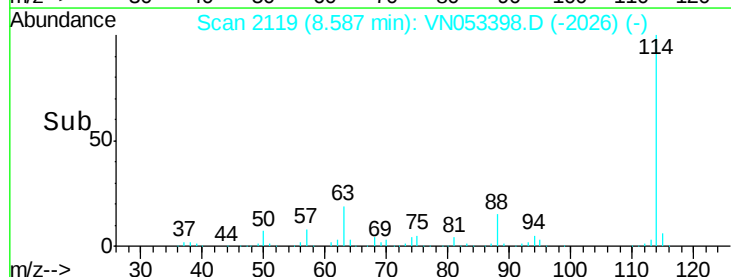
400000

200000

0

8.50 8.60 8.70

Time-->

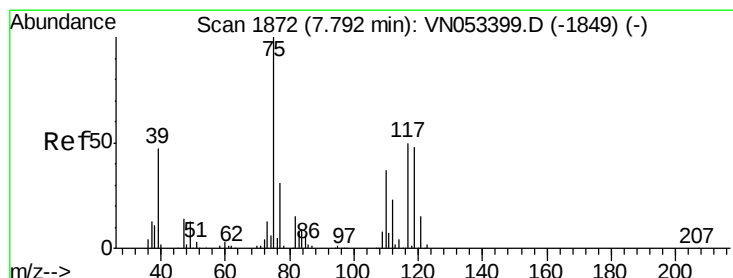
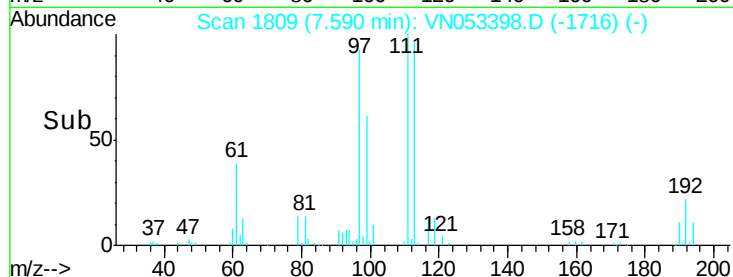
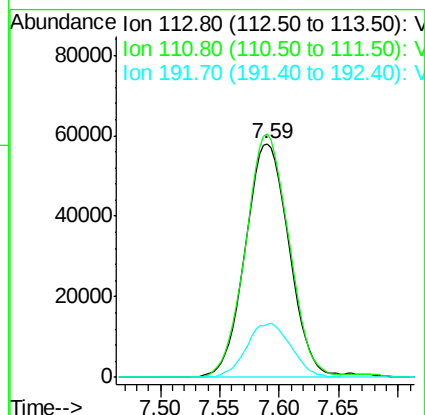
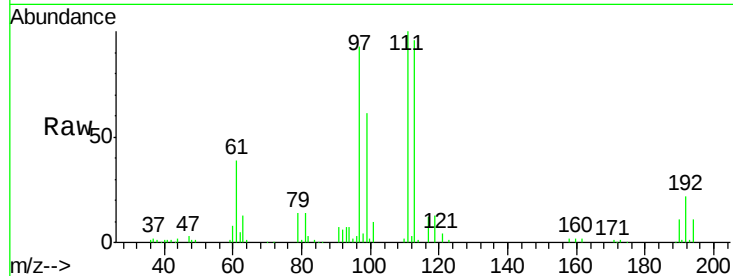




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

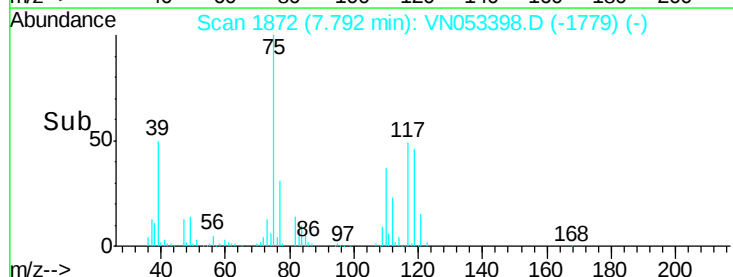
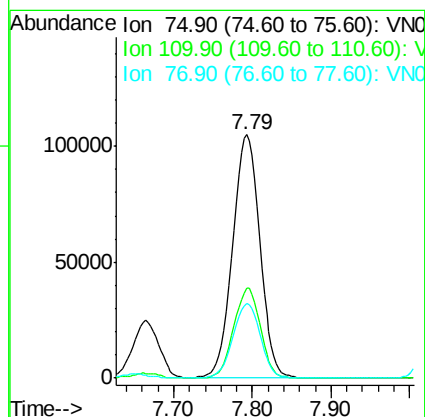
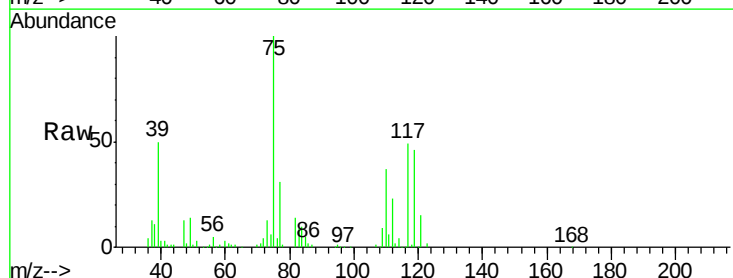
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

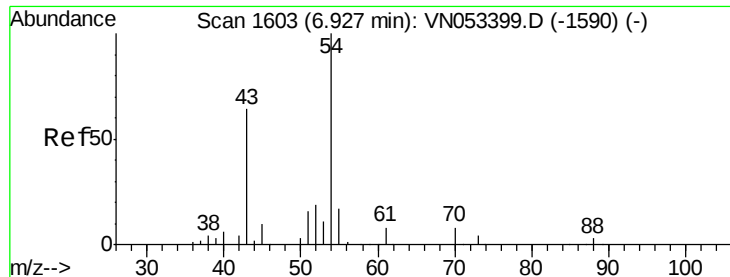
Tot Ion:113 Resp: 147847
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 23.5 17.9 26.9



#36
1,1-Dichloropropene
Concen: 20.776 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 75 Resp: 253174
Ion Ratio Lower Upper
75 100
110 36.1 18.4 55.0
77 30.9 25.3 37.9

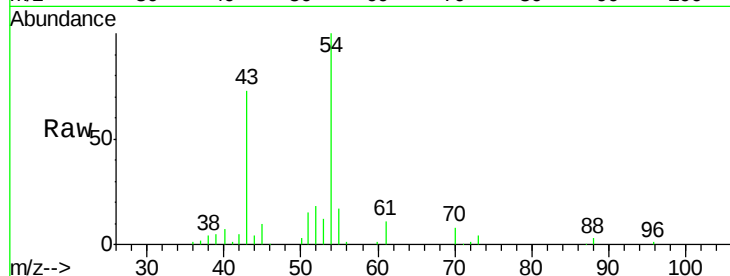




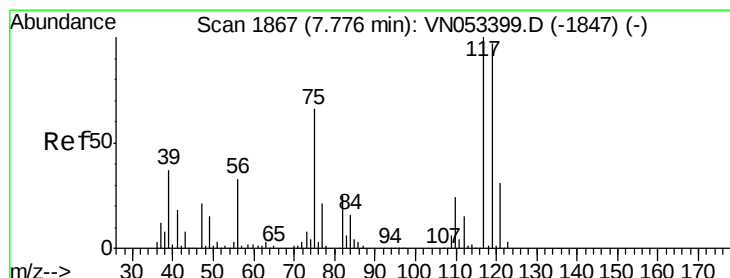
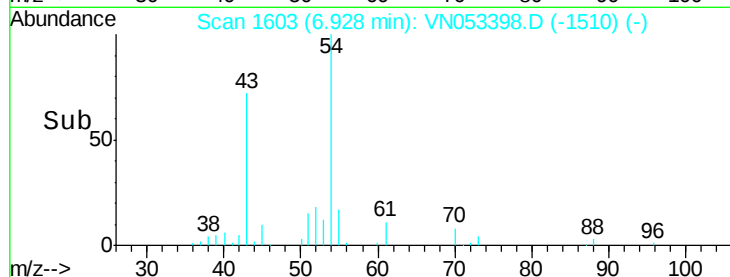
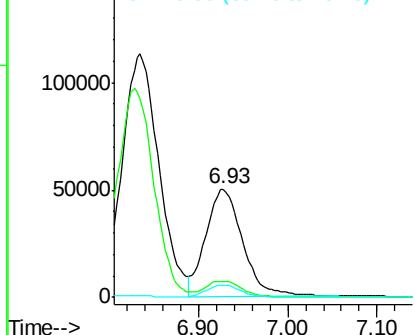
#37
Ethyl Acetate
Concen: 20.221 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 142941
Ion Ratio Lower Upper
43 100
61 14.1 11.9 17.9
70 11.0 8.6 13.0

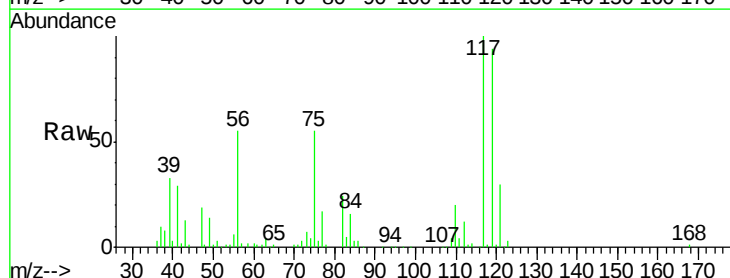


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

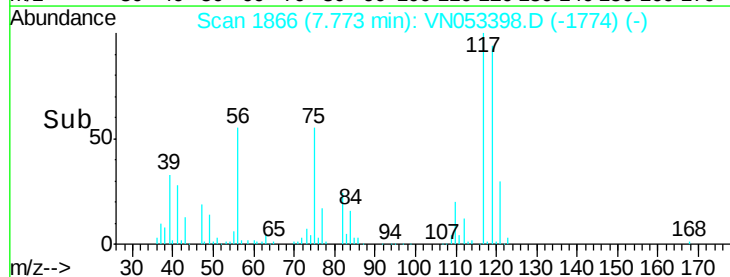
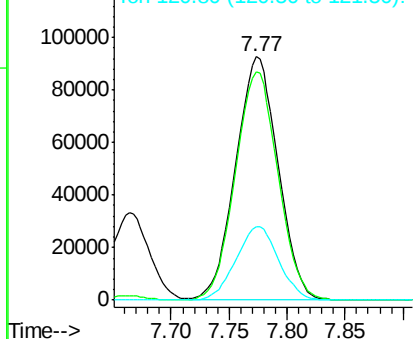


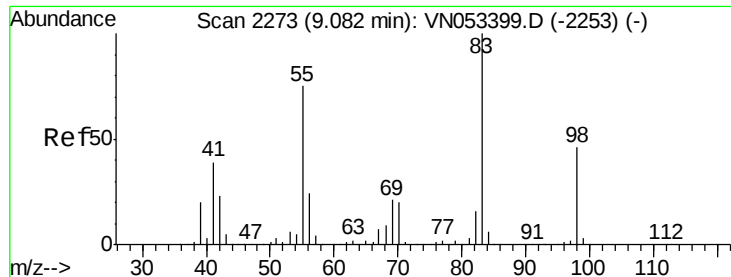
#38
Carbon Tetrachloride
Concen: 20.432 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 117 Resp: 235722
Ion Ratio Lower Upper
117 100
119 93.7 76.6 115.0
121 30.4 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

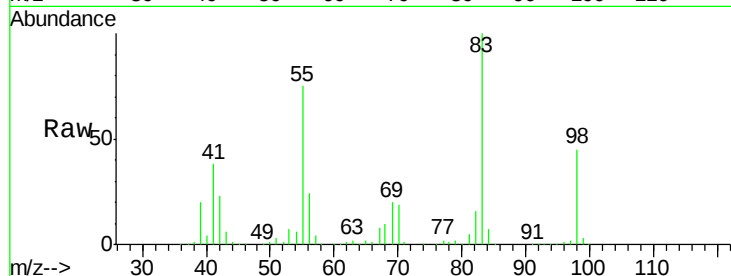




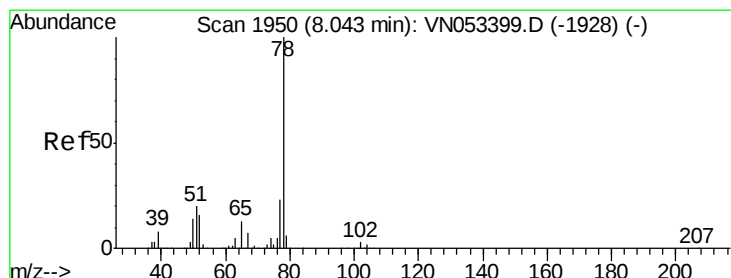
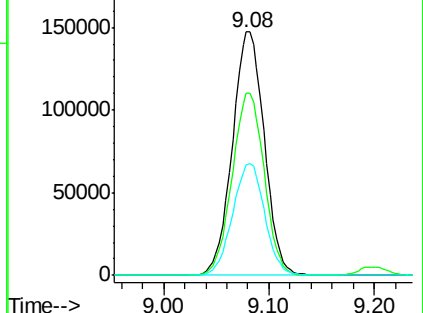
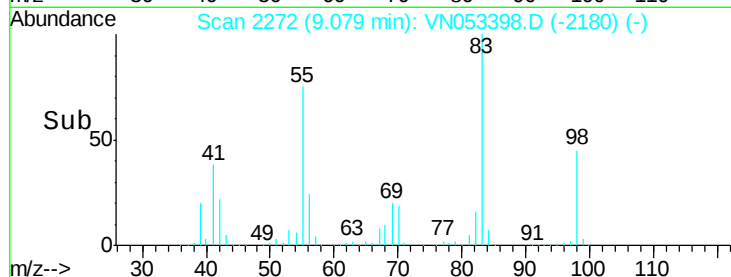
#39
Methvlcvclohexane
Concen: 20.507 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	308867
Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.1	90.1
98	45.4	36.7	55.1

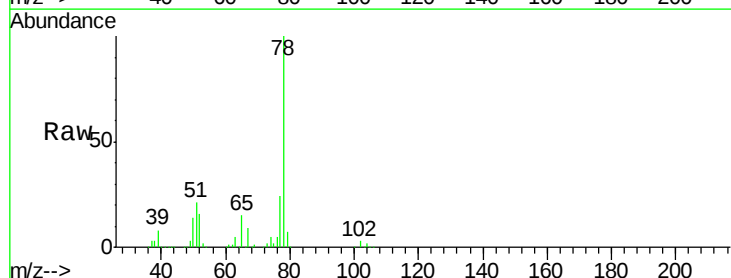


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

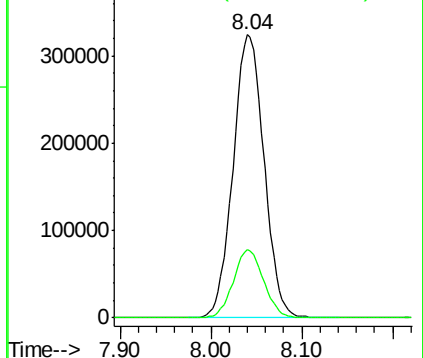
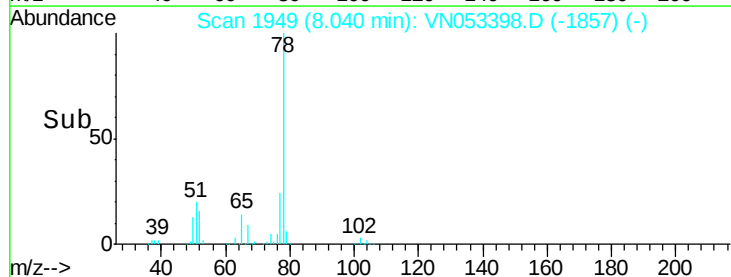


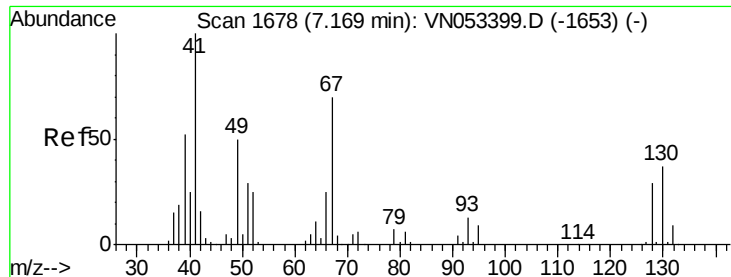
#40
Benzene
Concen: 20.653 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion	78	Resp	764795
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4



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

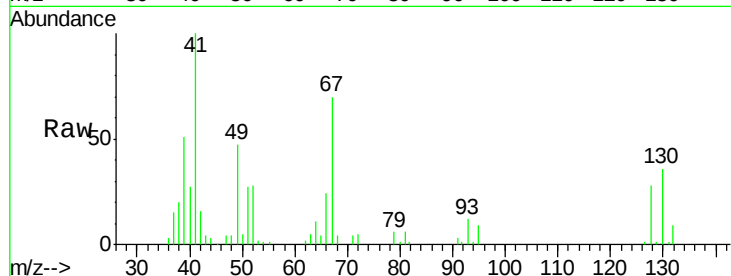




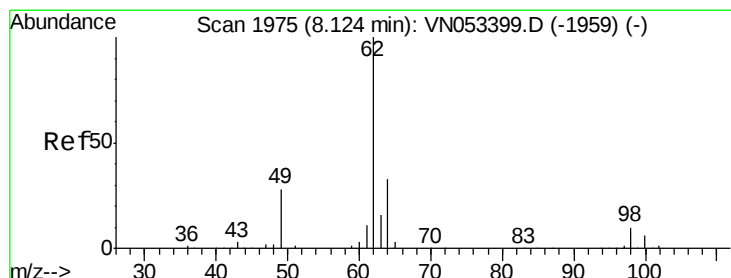
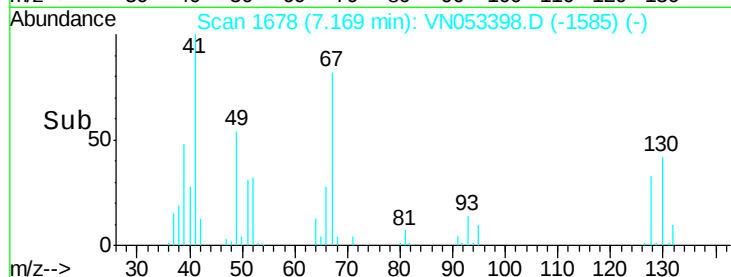
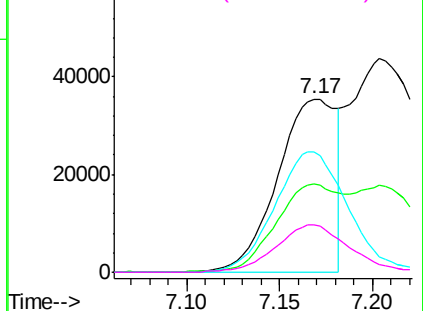
#41
Methacrylonitrile
Concen: 17.885 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 78179
Ion Ratio Lower Upper
41 100
39 55.5 0.0 0.0#
67 87.2 0.0 0.0#
52 34.4 0.0 0.0#

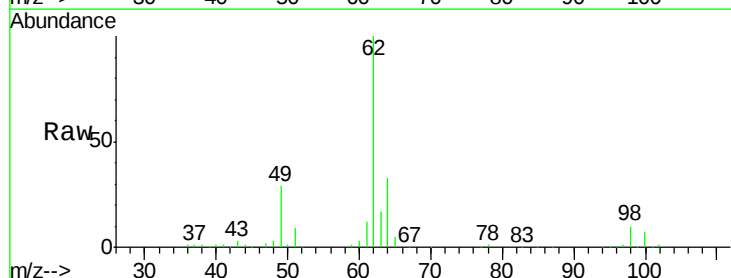


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

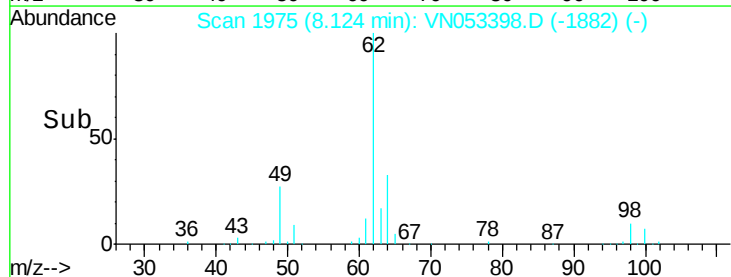
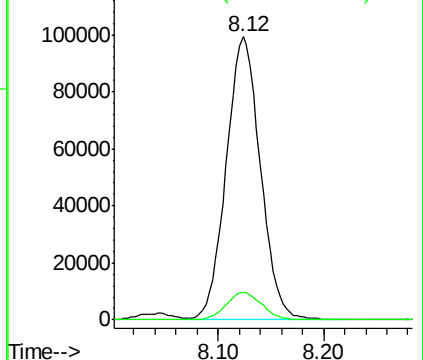


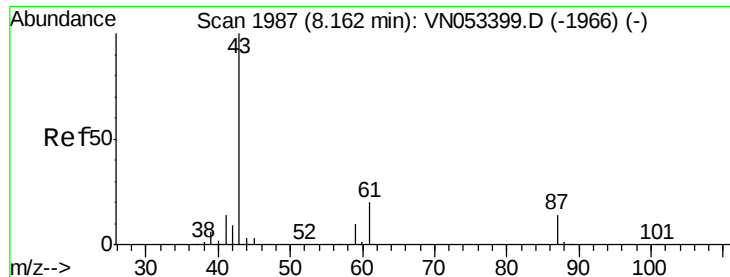
#42
1,2-Dichloroethane
Concen: 20.556 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 62 Resp: 221762
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



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





#43

Isopropyl Acetate

Concen: 20.016 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

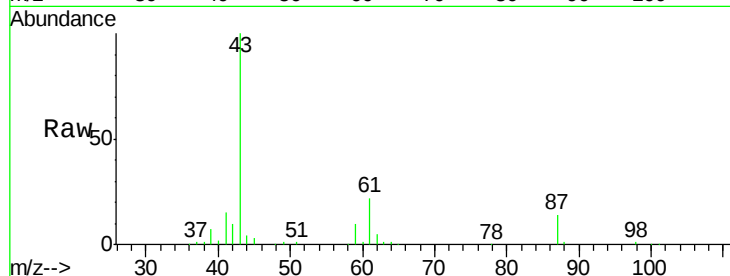
Tot Ion: 43 Resp: 263480

Ion Ratio Lower Upper

43 100

61 21.2 23.3 34.9#

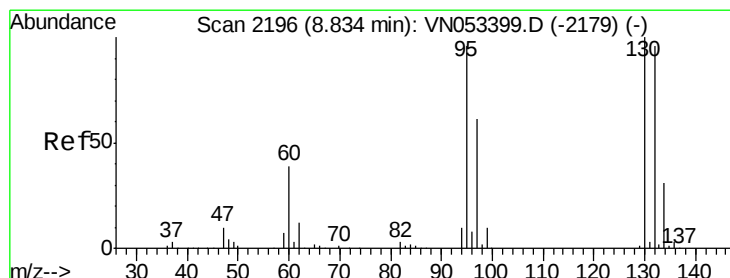
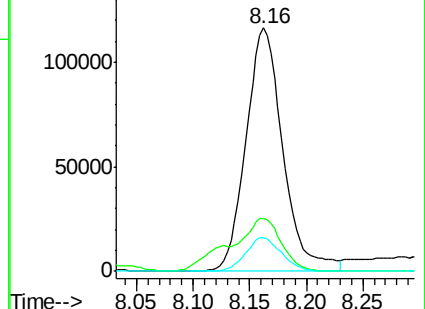
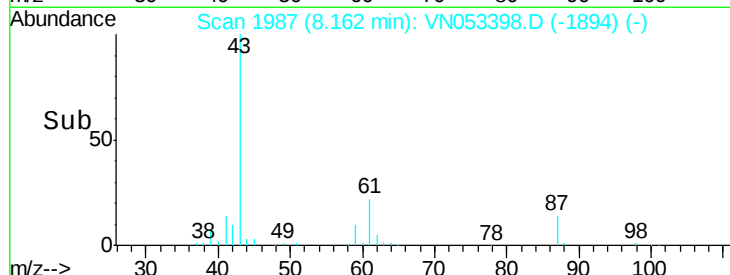
87 13.4 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053398.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053398.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053398.D (-1966) (-)



#44

Trichloroethene

Concen: 20.632 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053398.D

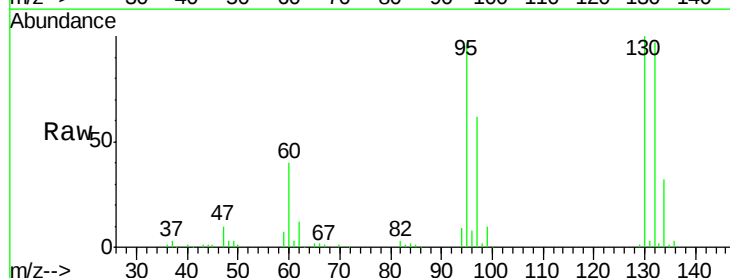
Acq: 15 Jan 2019 10:09

Tgt Ion: 130 Resp: 211874

Ion Ratio Lower Upper

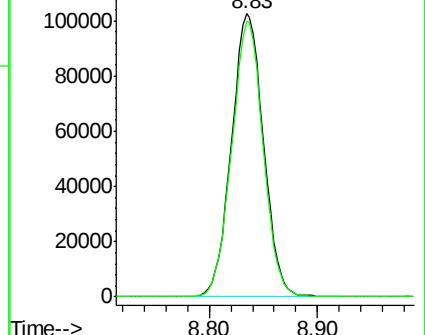
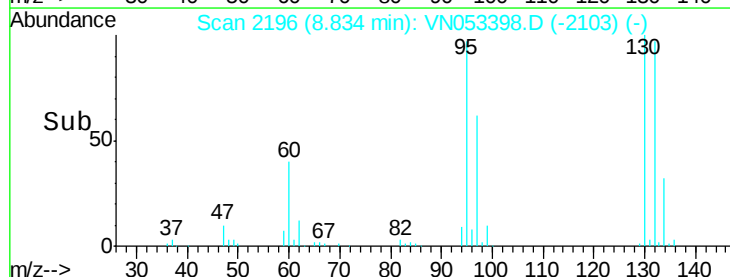
130 100

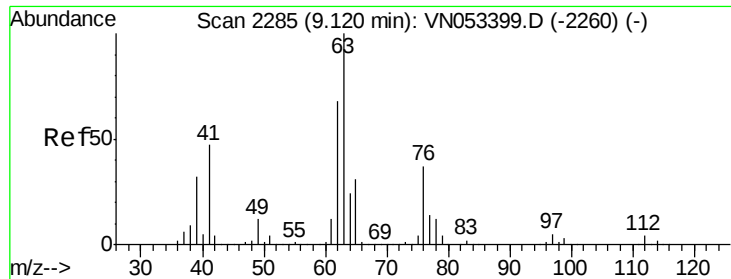
95 97.2 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053398.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053398.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.235 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

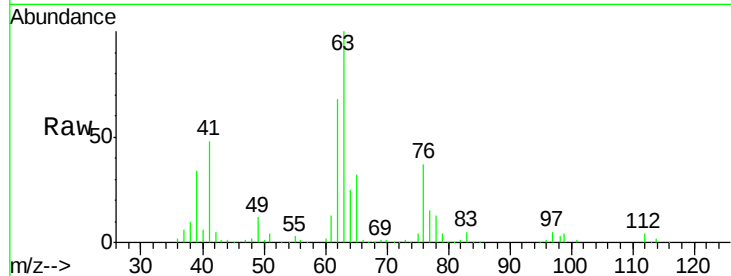
VSTDIC020

Tot Ion: 63 Resp: 198471

Ion Ratio Lower Upper

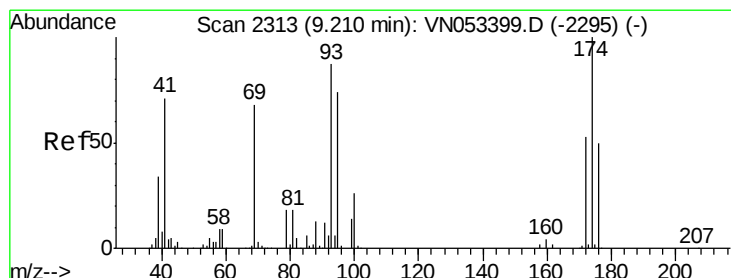
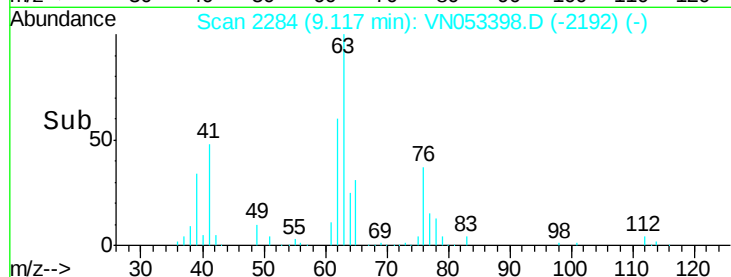
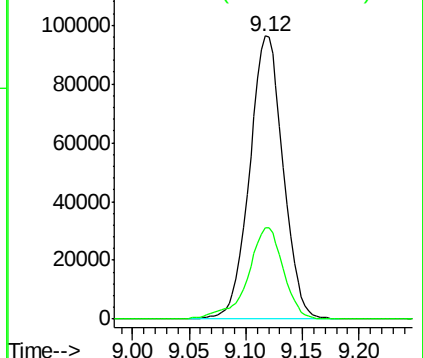
63 100

65 32.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 20.264 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

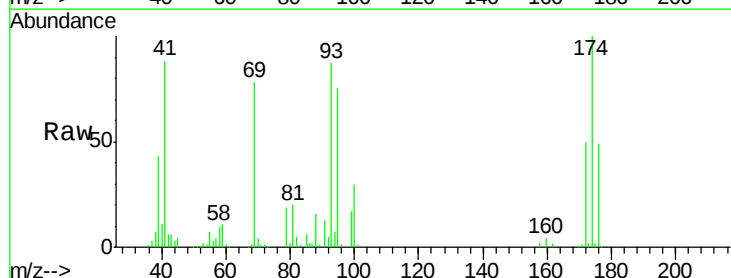
Tgt Ion: 93 Resp: 114191

Ion Ratio Lower Upper

93 100

95 84.7 66.6 100.0

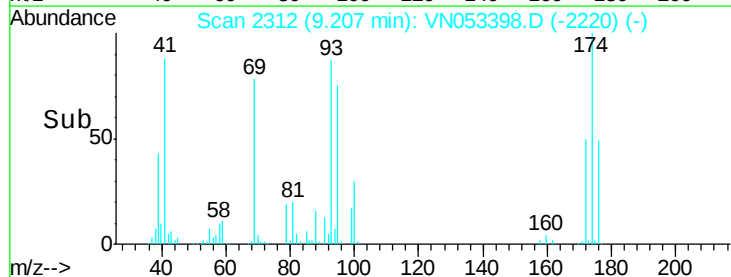
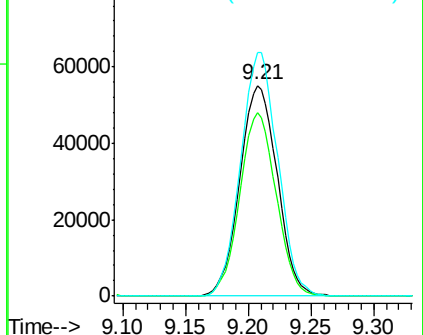
174 114.6 91.4 137.0



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): V

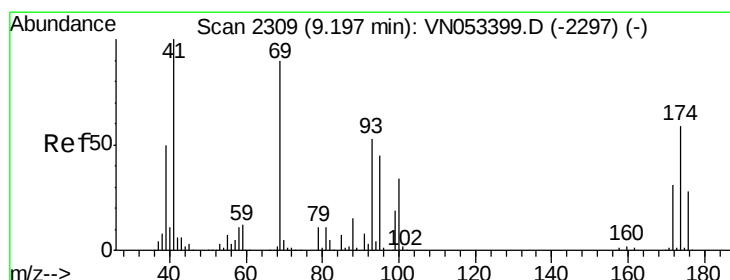
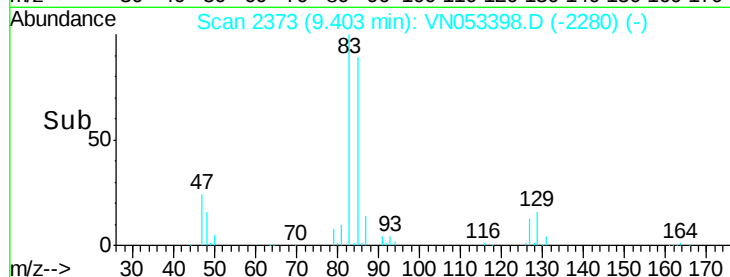
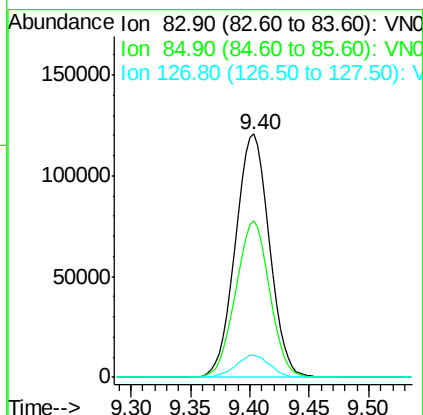
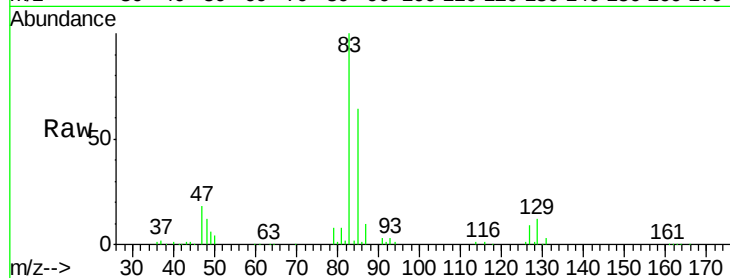




#47
Bromodichloromethane
Concen: 20.195 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

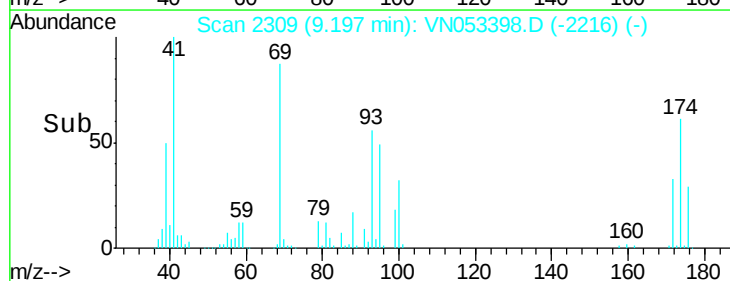
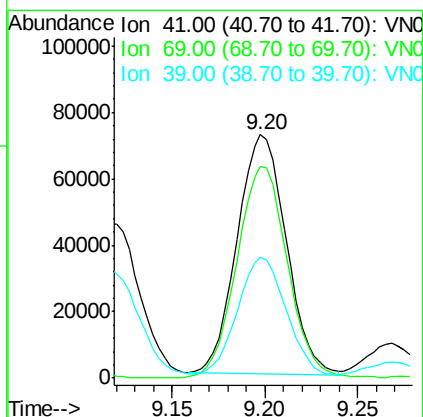
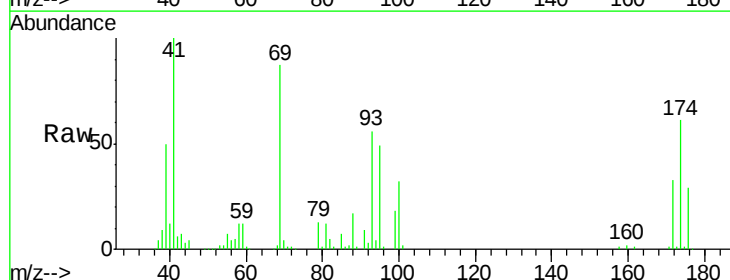
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

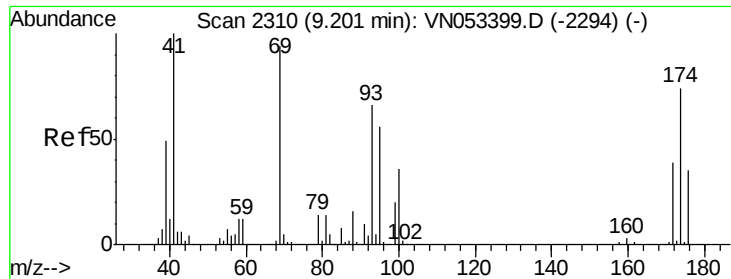
Tot Ion: 83 Resp: 239328
Ion Ratio Lower Upper
83 100
85 64.1 51.7 77.5
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 20.343 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 41 Resp: 132414
Ion Ratio Lower Upper
41 100
69 91.4 73.5 110.3
39 51.6 41.6 62.4





#49

1,4-Dioxane

Concen: 404.986 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

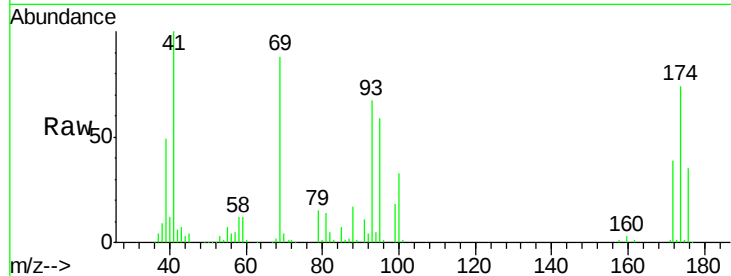
Tot Ion: 88 Resp: 25744

Ion Ratio Lower Upper

88 100

43 33.5 26.2 39.4

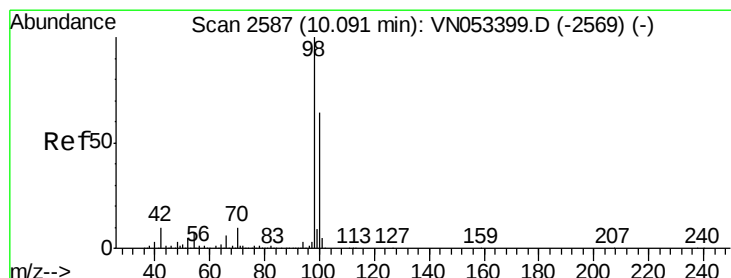
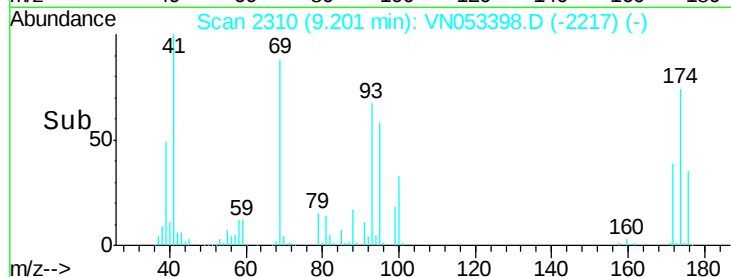
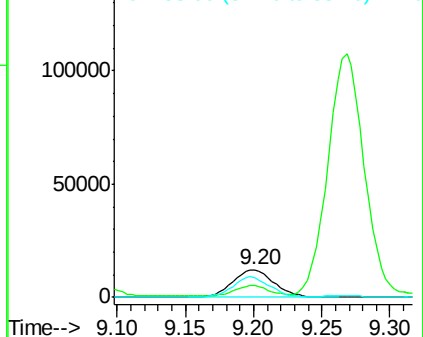
58 67.1 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VN053398.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053398.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053398.D (-2294) (-)



#50

Toluene-d8

Concen: 404.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053398.D

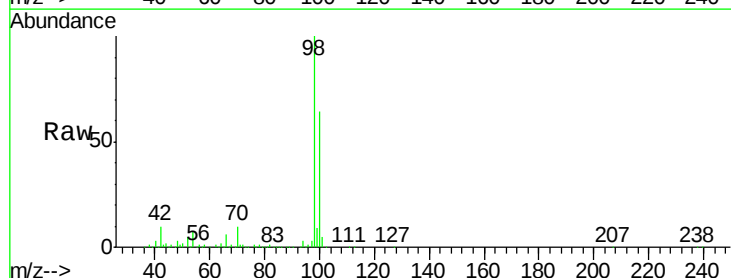
Acq: 15 Jan 2019 10:09

Tgt Ion: 98 Resp: 636276

Ion Ratio Lower Upper

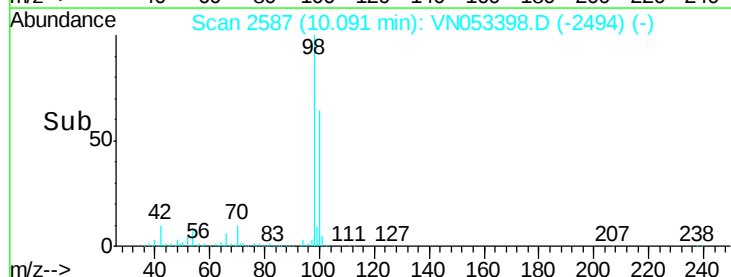
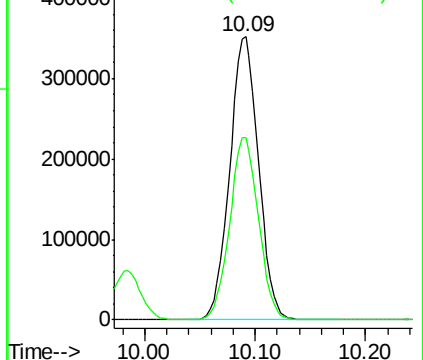
98 100

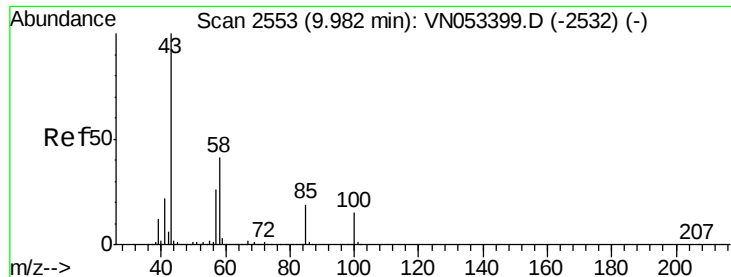
100 64.4 51.5 77.3



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

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

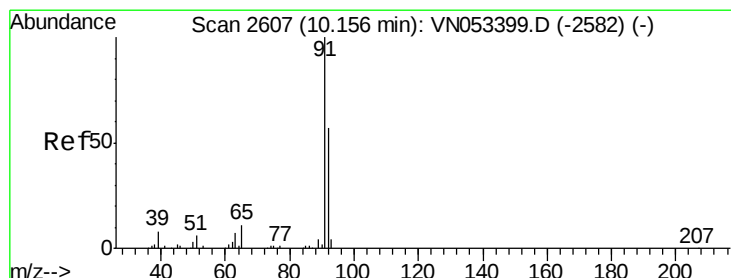
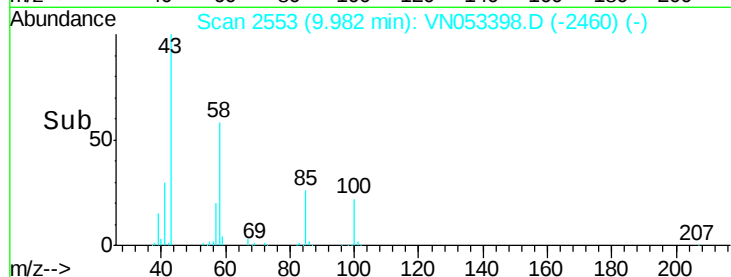
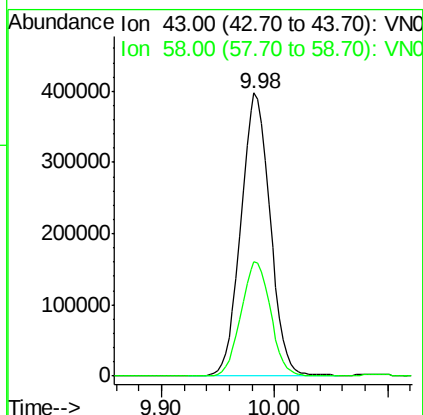
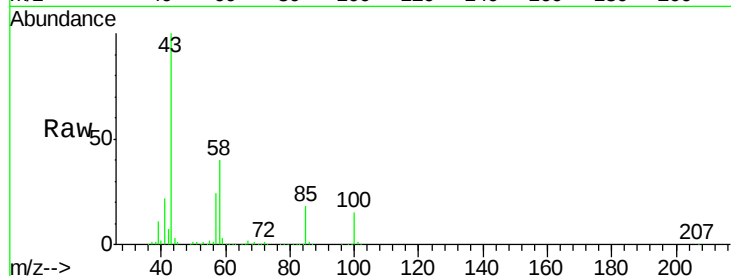




#51
4-Methyl-2-Pentanone
Concen: 103.846 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

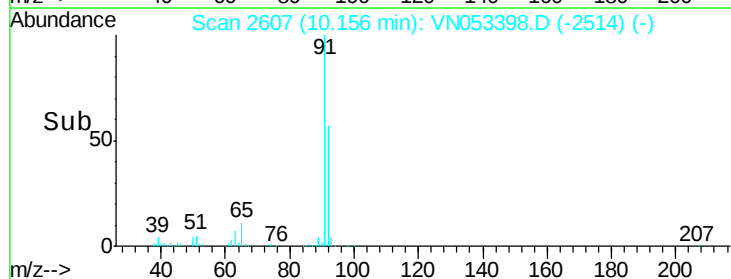
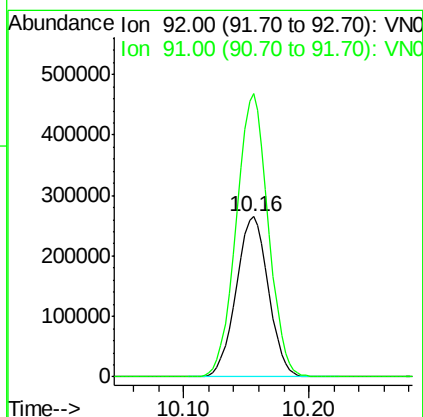
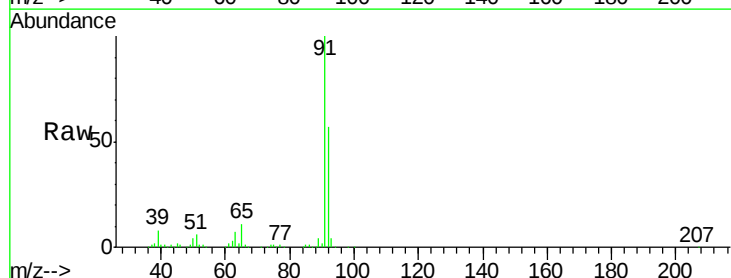
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

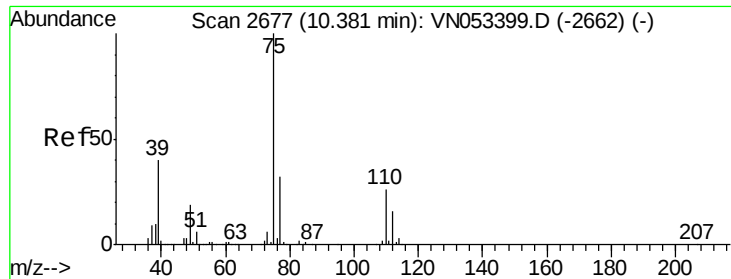
Tot Ion: 43 Resp: 714636
Ion Ratio Lower Upper
43 100
58 41.0 32.7 49.1



#52
Toluene
Concen: 20.630 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 92 Resp: 474269
Ion Ratio Lower Upper
92 100
91 174.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 20.252 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

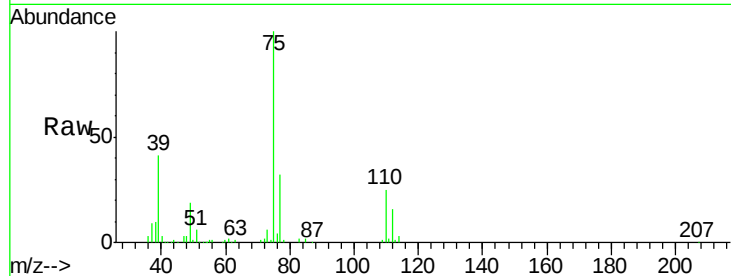
VSTDIC020

Tot Ion: 75 Resp: 243262

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

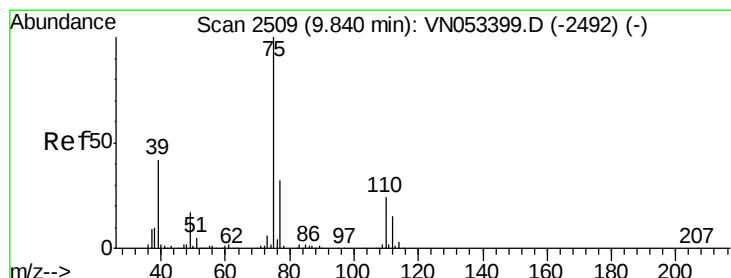
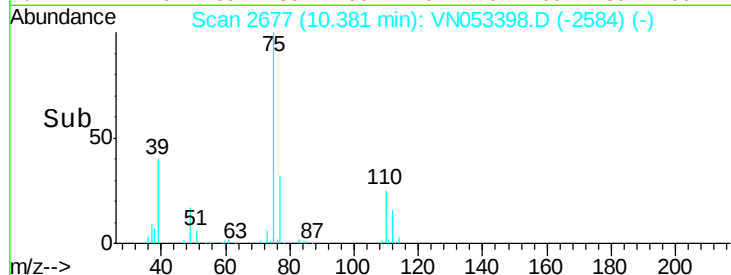
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.741 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

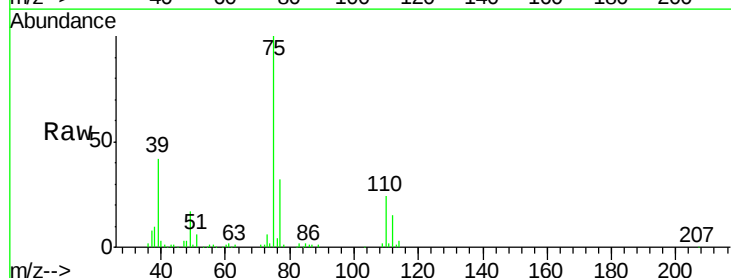
Tgt Ion: 75 Resp: 292054

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

39 42.1 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

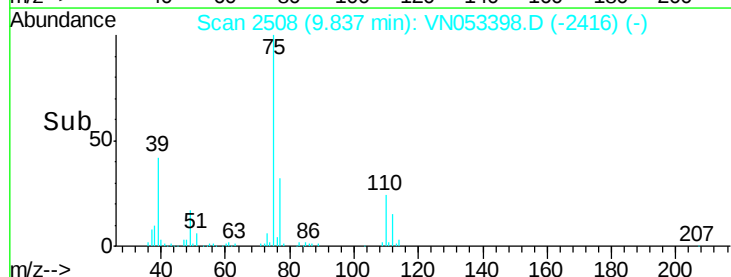
150000

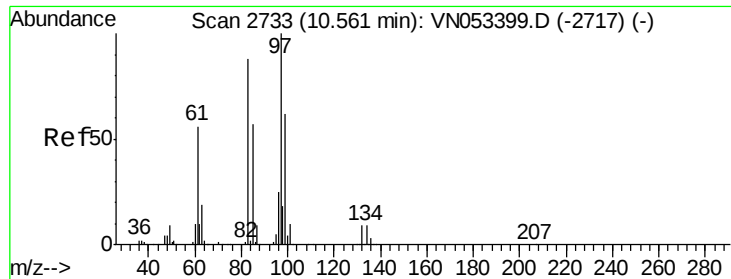
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.777 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 97 Resp: 164671

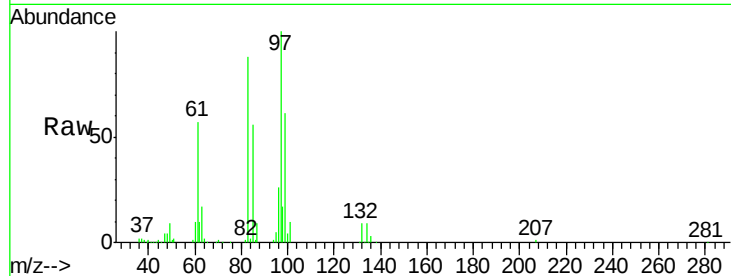
Ion Ratio Lower Upper

97 100

83 87.7 69.1 103.7

85 56.2 44.2 66.4

99 61.1 50.3 75.5

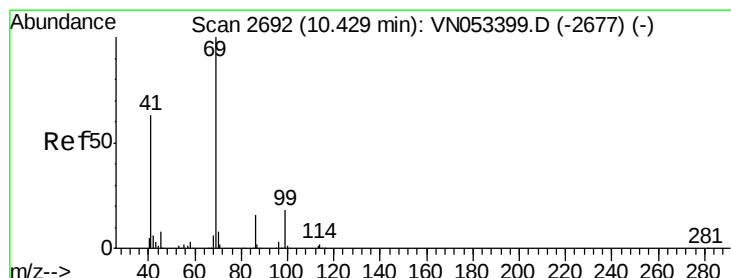
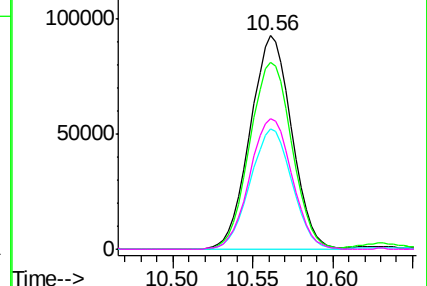
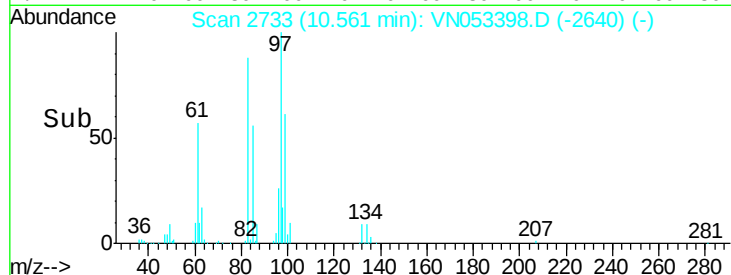


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.582 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

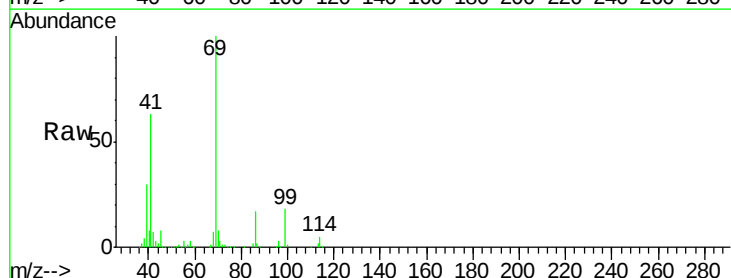
Tgt Ion: 69 Resp: 205573

Ion Ratio Lower Upper

69 100

41 62.5 49.2 73.8

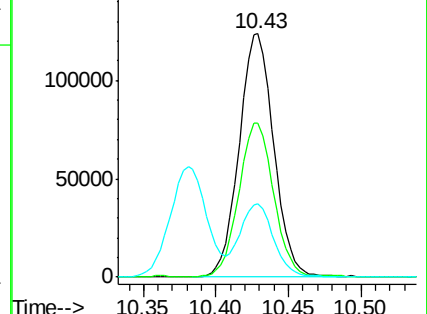
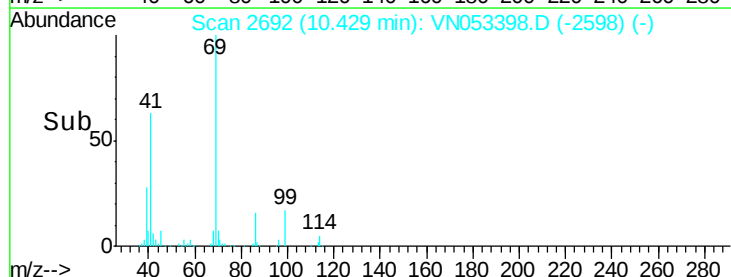
39 29.3 23.4 35.0

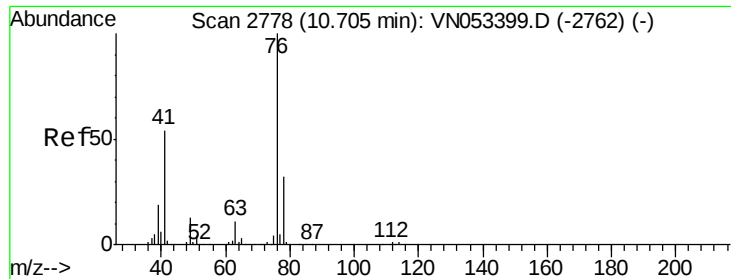


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

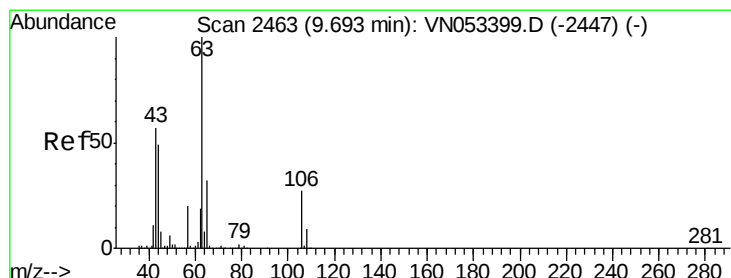
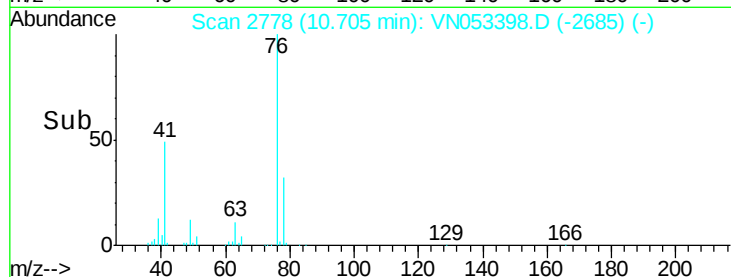
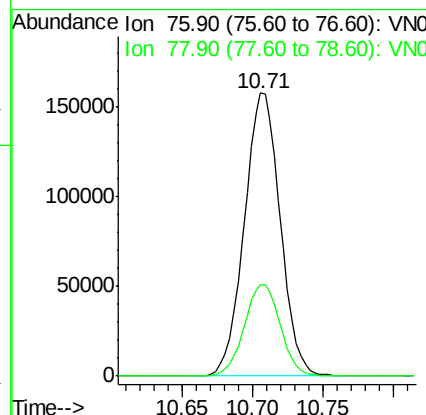
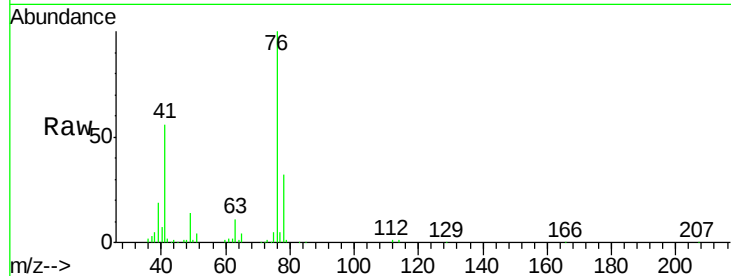




#57
 1,3-Dichloropropane
 Concen: 20.547 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

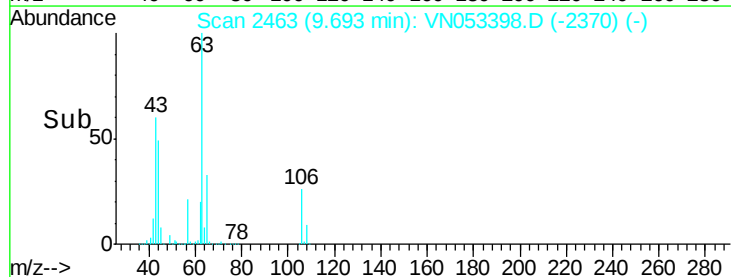
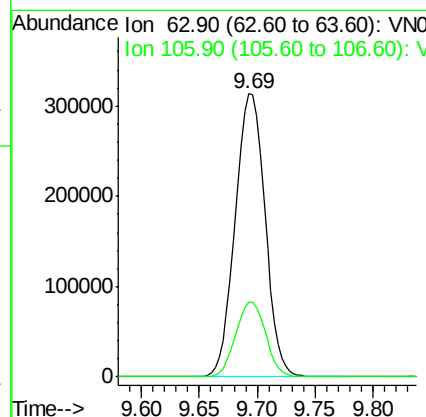
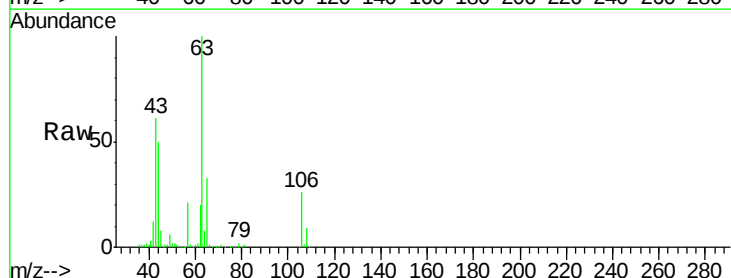
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

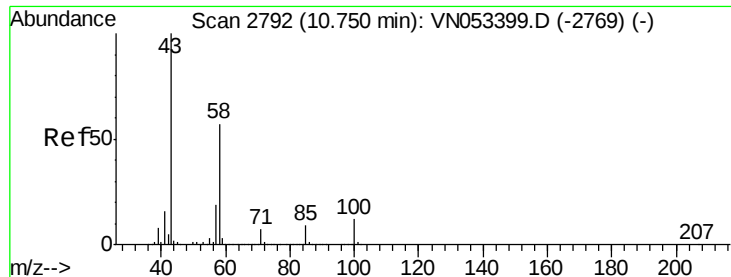
Tot Ion: 76 Resp: 281709
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.007 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion: 63 Resp: 560064
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.7 32.5

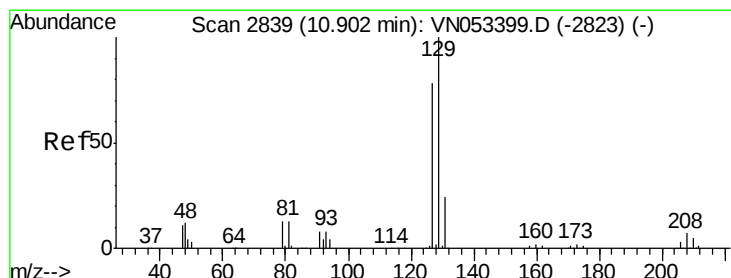
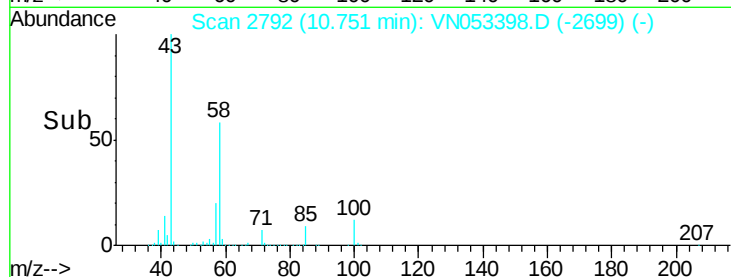
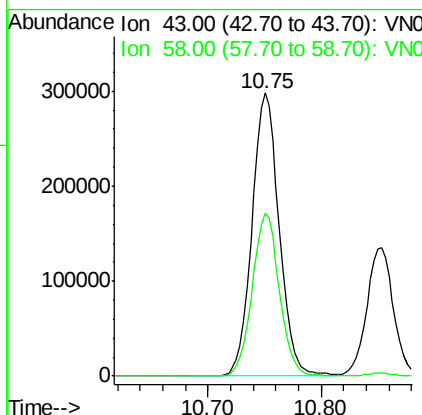
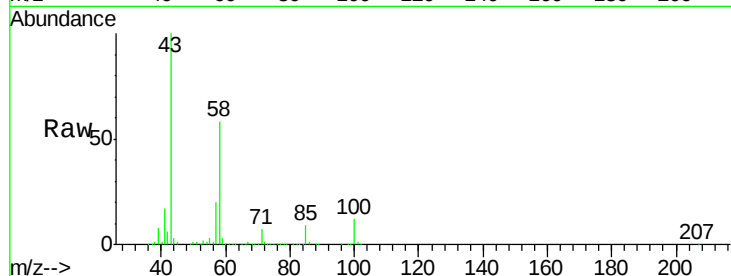




#59
2-Hexanone
Concen: 102.453 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

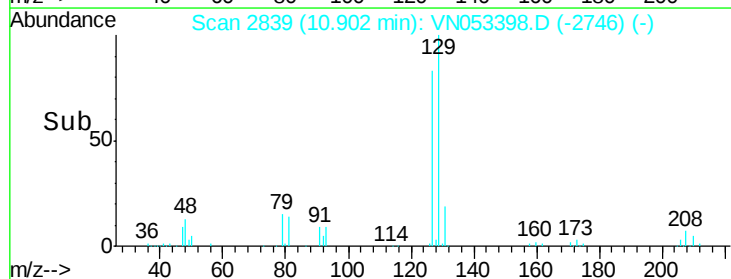
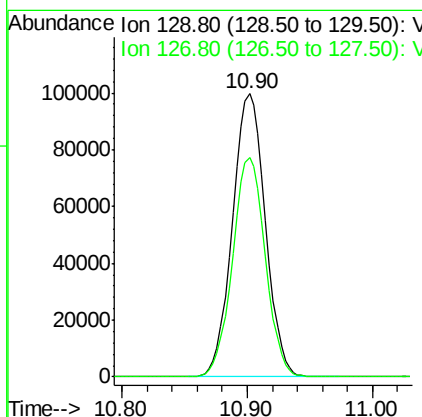
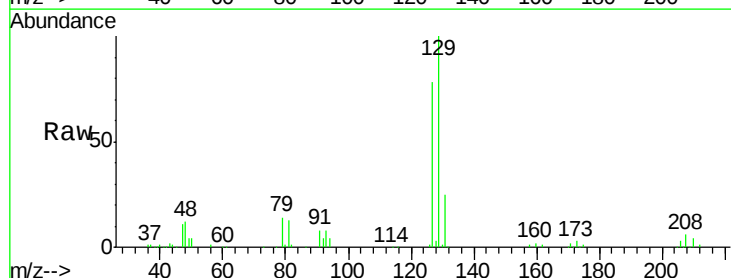
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

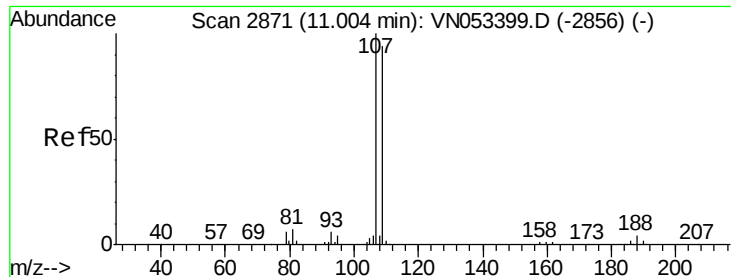
Tot Ion: 43 Resp: 494937
Ion Ratio Lower Upper
43 100
58 57.5 28.3 85.0



#60
Dibromochloromethane
Concen: 20.197 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 129 Resp: 181562
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.513 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

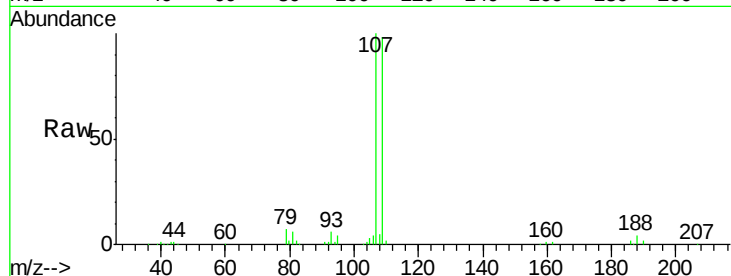
VSTDIC020

Tot Ion:107 Resp: 164428

Ion Ratio Lower Upper

107 100

109 94.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

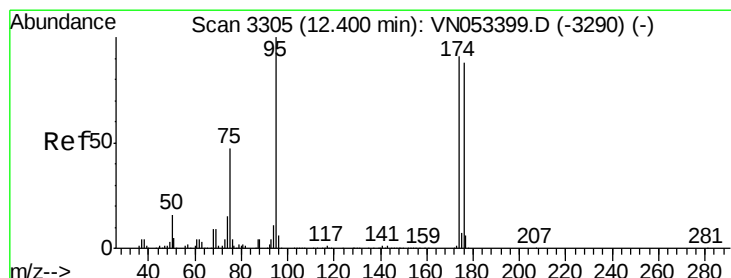
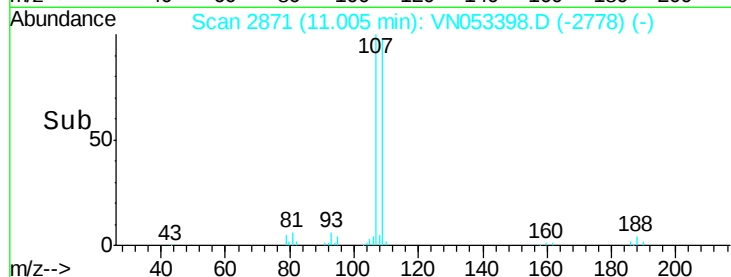
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.513 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

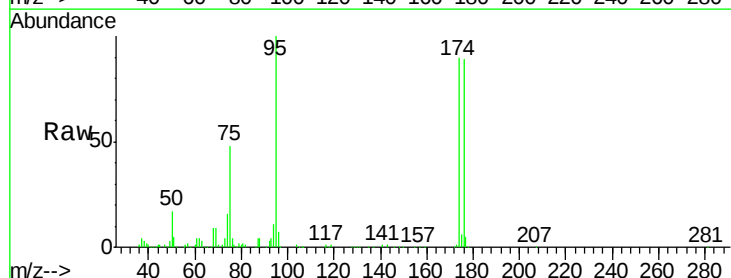
Tgt Ion: 95 Resp: 216989

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.4

176 88.8 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

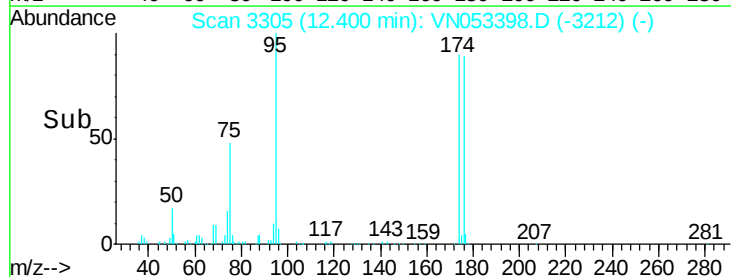
150000

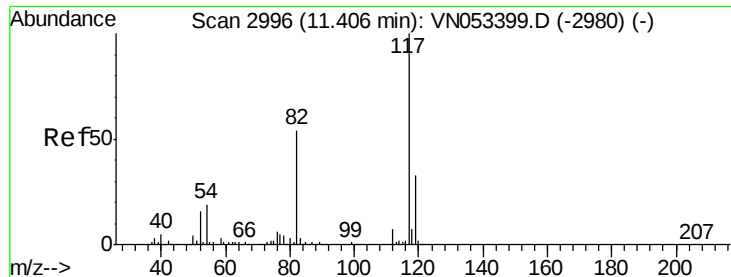
100000

50000

0

Time-->

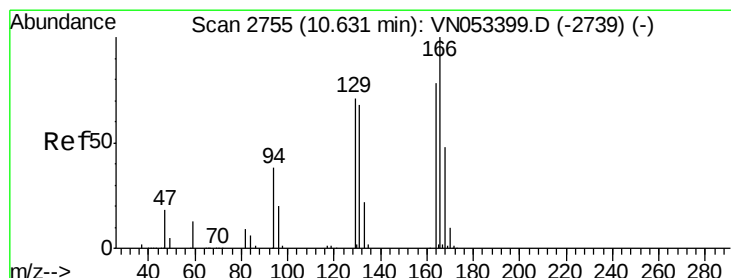
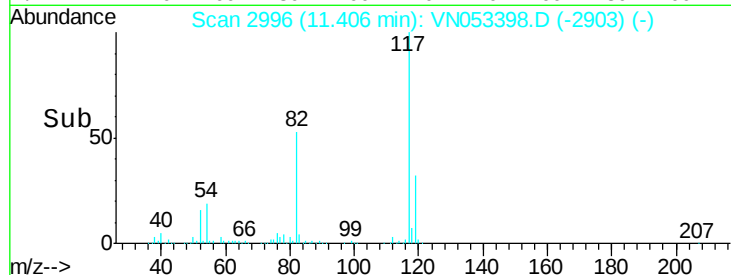
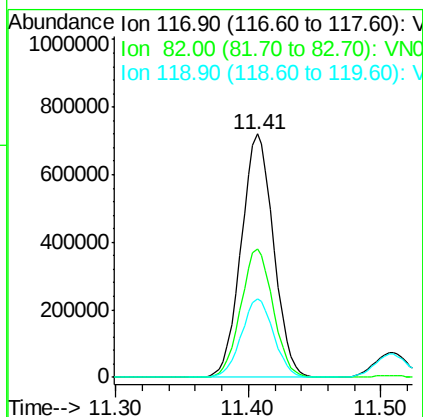
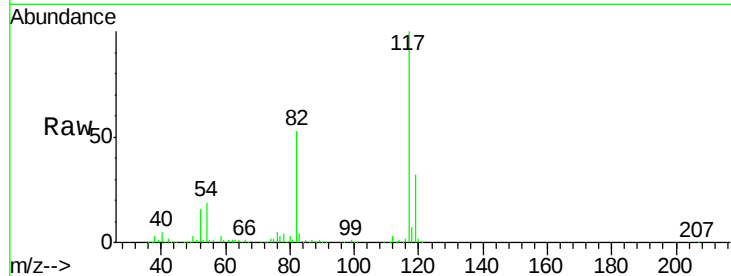




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

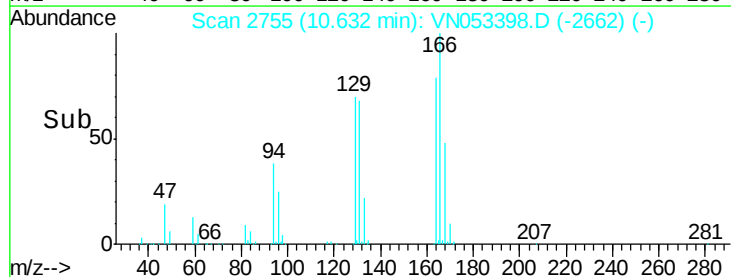
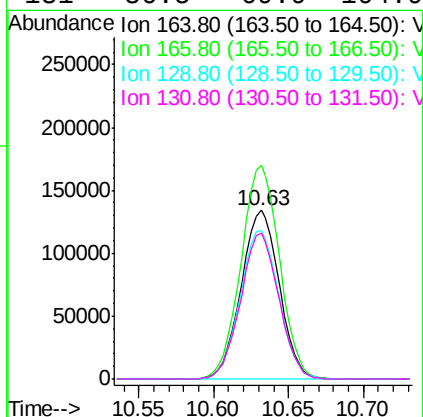
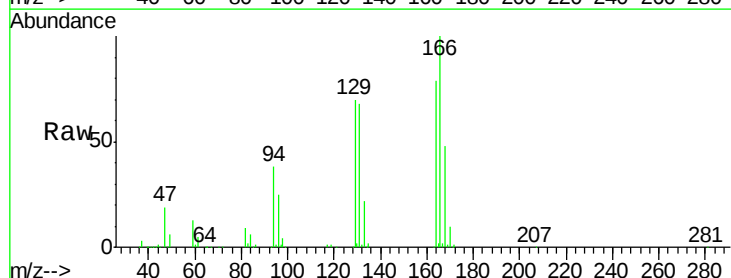
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

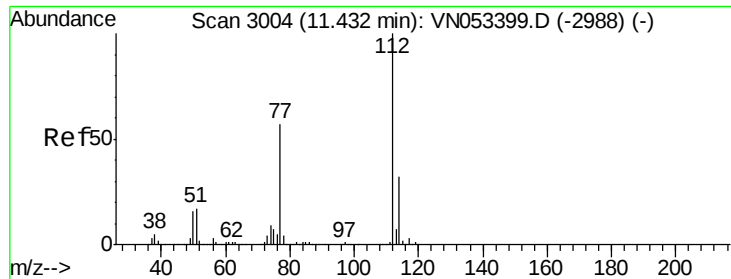
Tot Ion:117 Resp: 1215406
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 20.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion:164 Resp: 237762
Ion Ratio Lower Upper
164 100
166 126.7 101.7 152.5
129 88.4 72.1 108.1
131 86.5 69.9 104.9

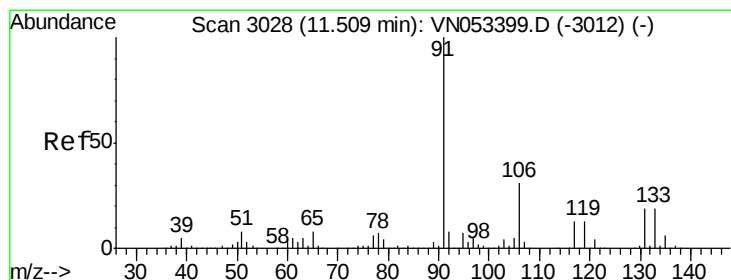
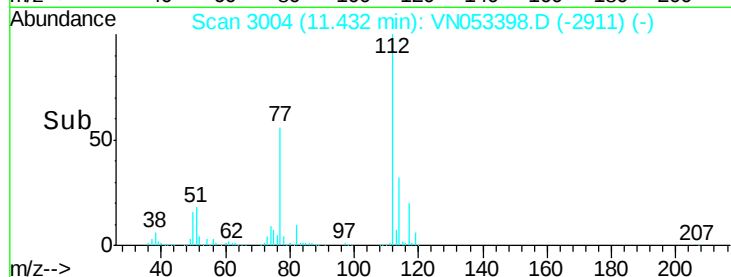
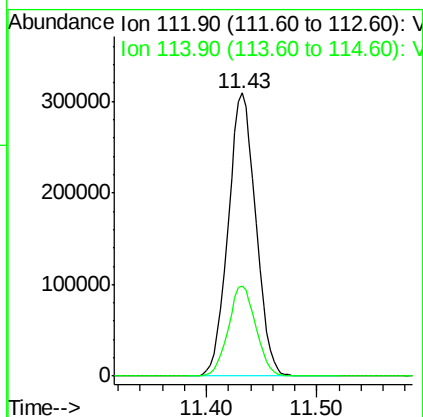
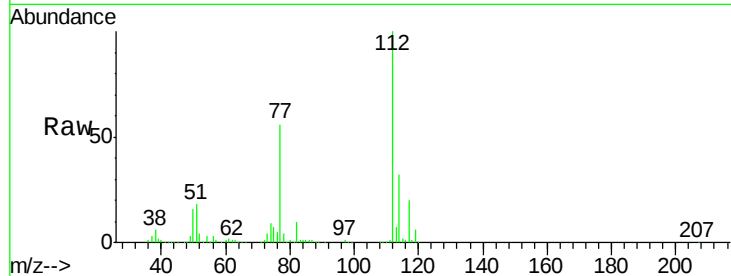




#65
Chlorobenzene
Concen: 20.779 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

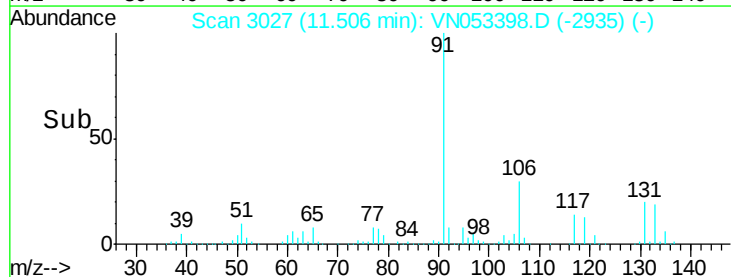
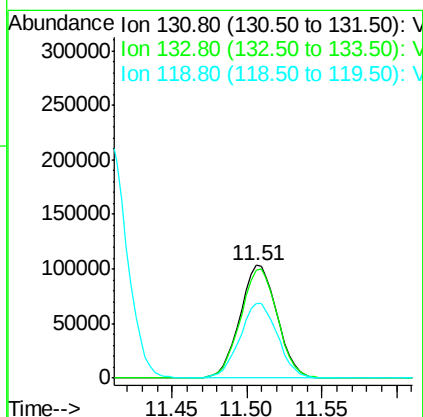
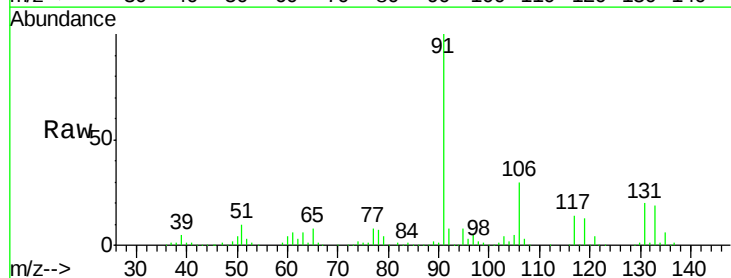
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

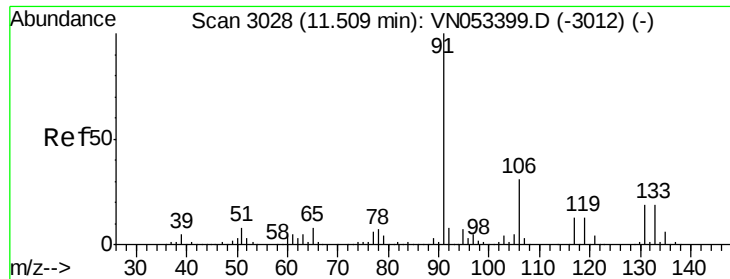
Tot Ion:112 Resp: 534567
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.013 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion:131 Resp: 179115
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 67.5 33.3 99.9

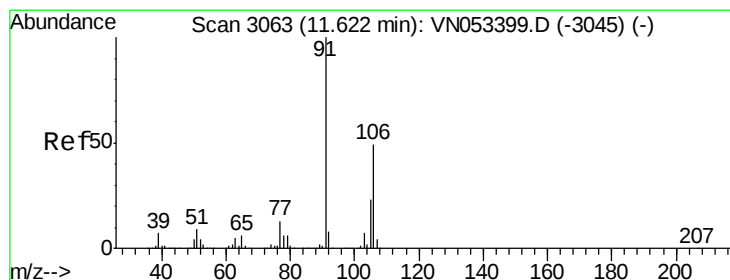
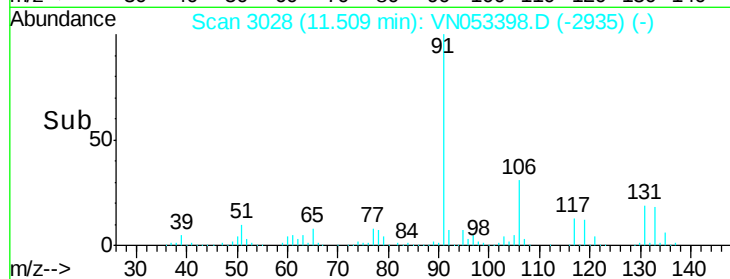
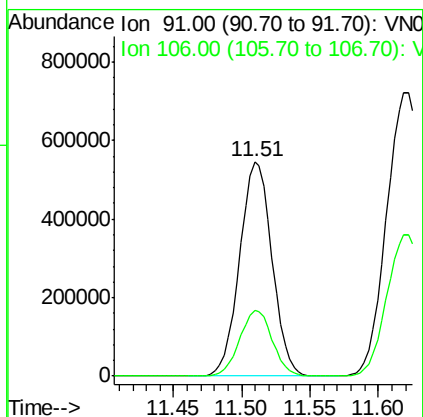
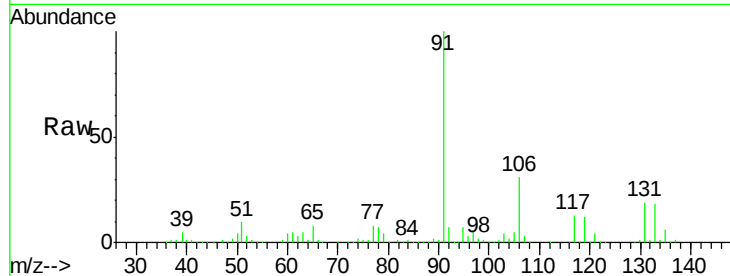




#67
Ethyl Benzene
Concen: 20.532 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

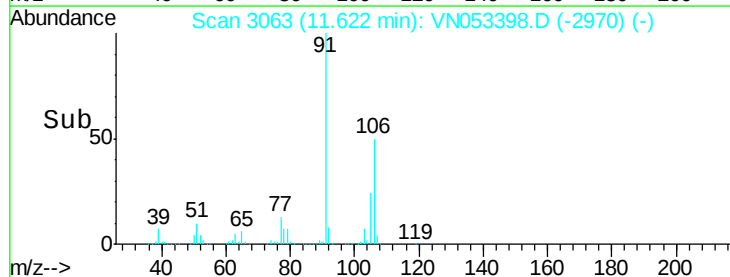
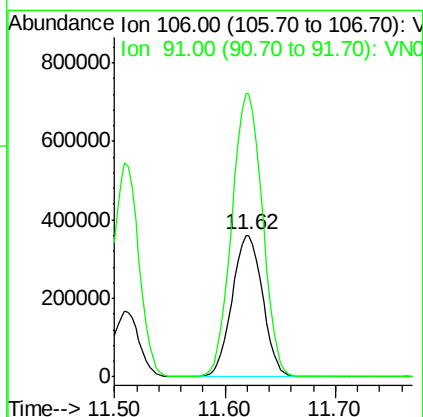
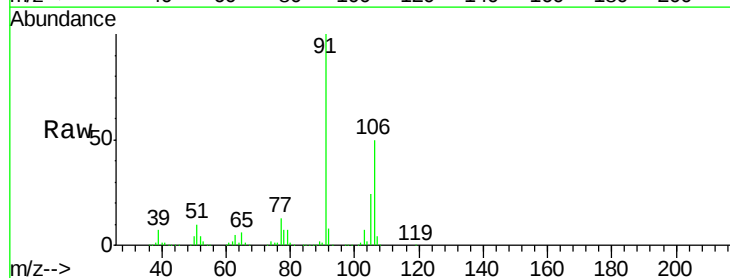
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

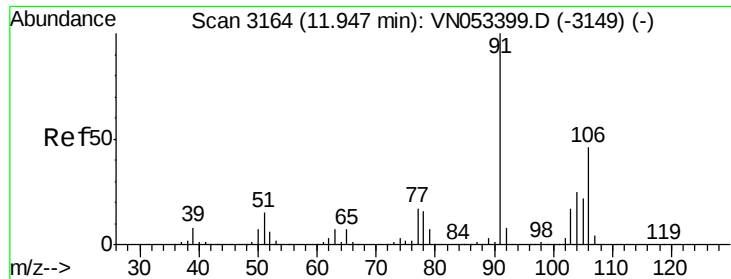
Tot Ion: 91 Resp: 900207
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



#68
m/p-Xylenes
Concen: 41.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 106 Resp: 691163
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2

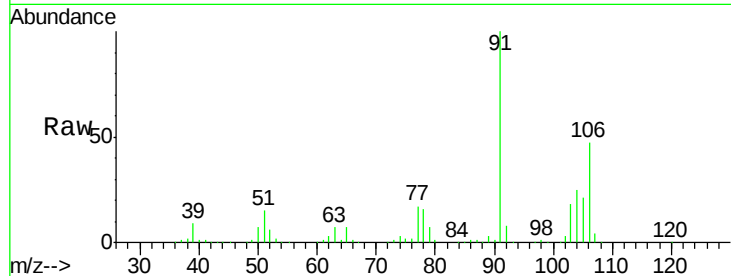




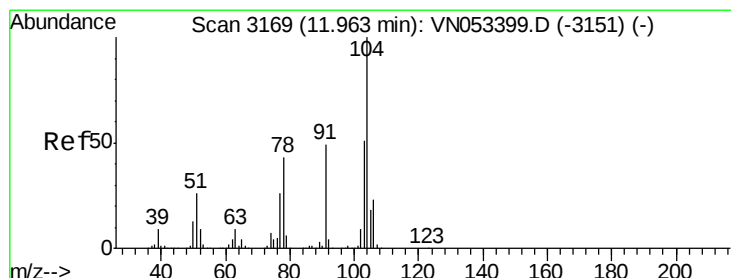
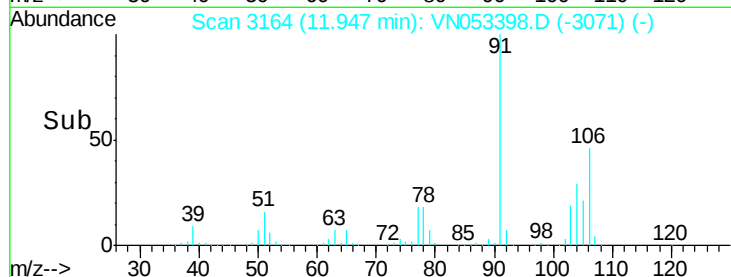
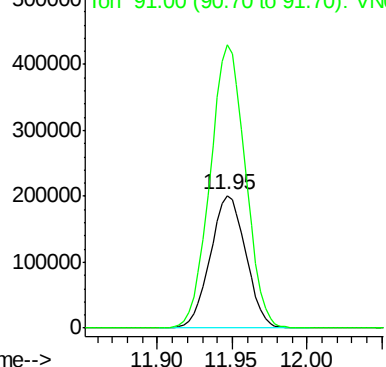
#69
o-Xylene
Concen: 20.699 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 332936
Ion Ratio Lower Upper
106 100
91 212.0 106.8 320.4

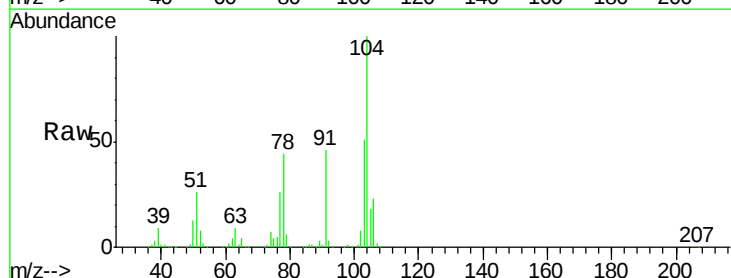


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

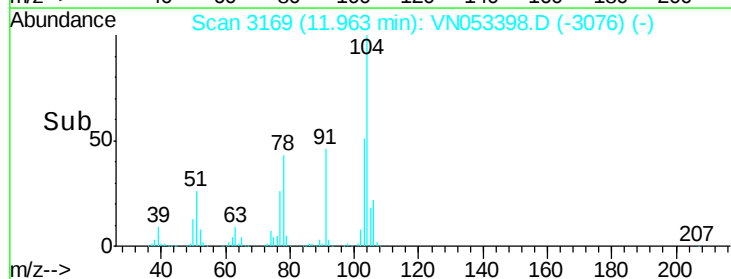
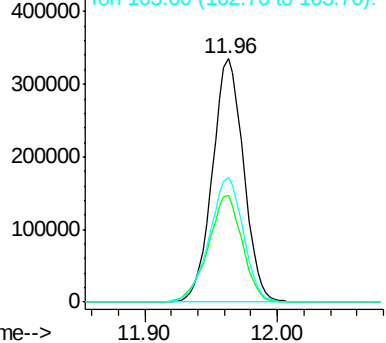


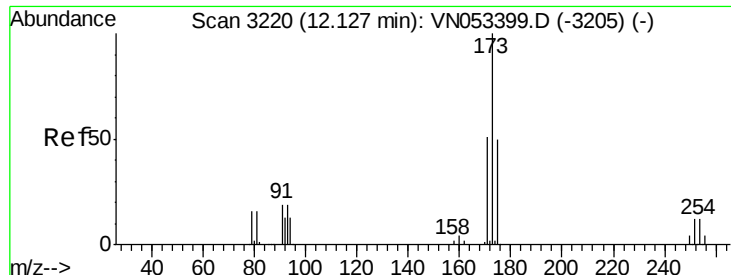
#70
Styrene
Concen: 21.009 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion:104 Resp: 548455
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.6 44.5 66.7



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: 20.118 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

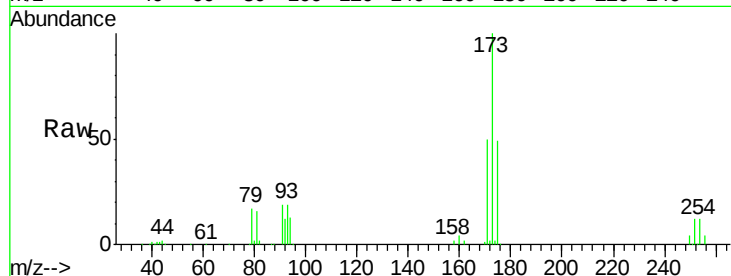
Tot Ion:173 Resp: 123956

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

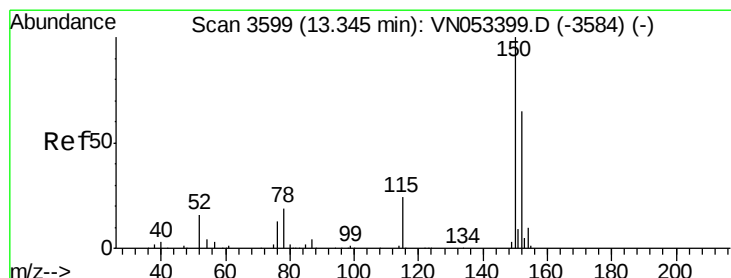
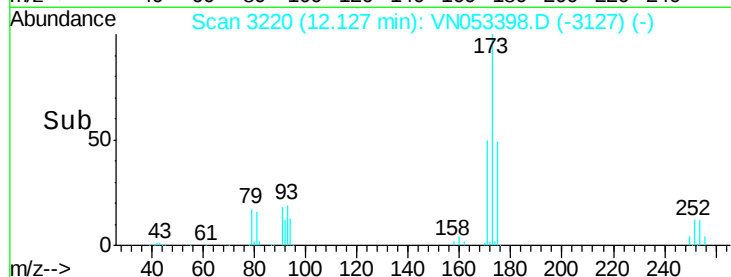
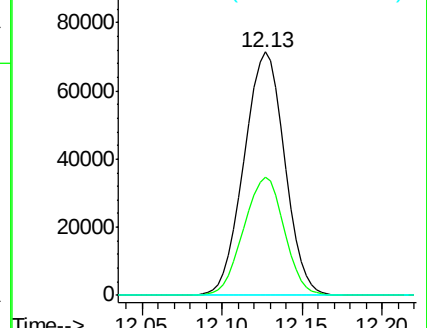
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

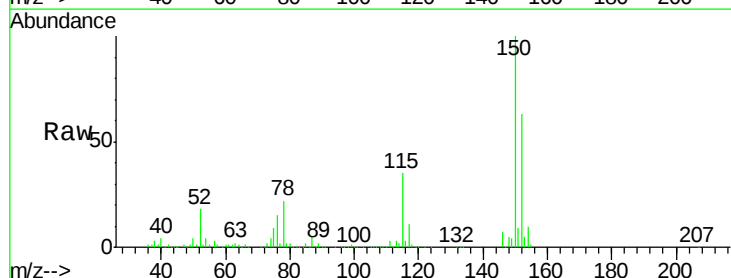
Tgt Ion:152 Resp: 570194

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

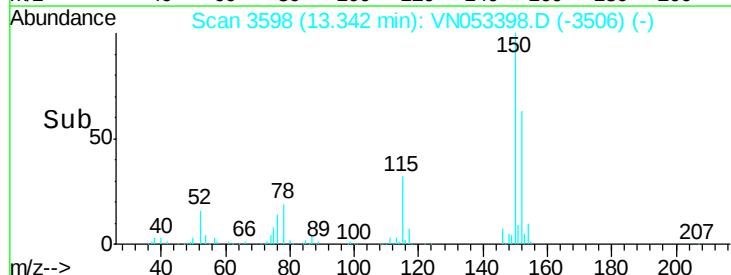
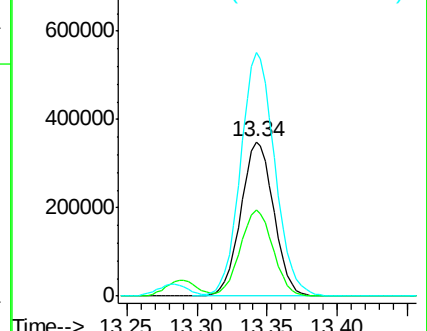
150 164.3 0.0 346.6

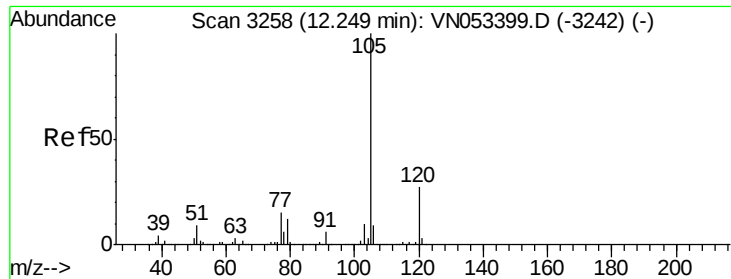


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

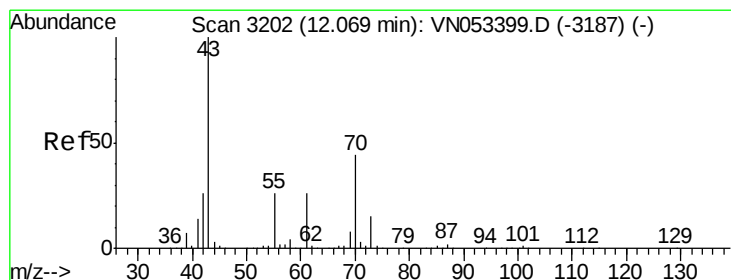
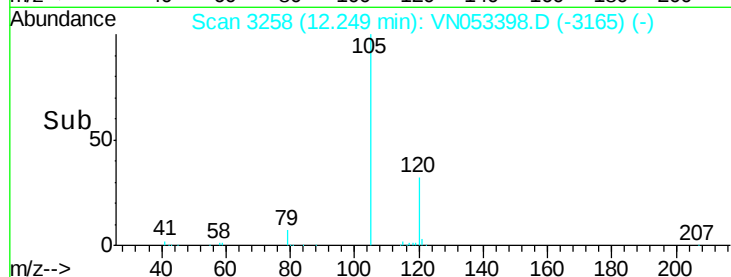
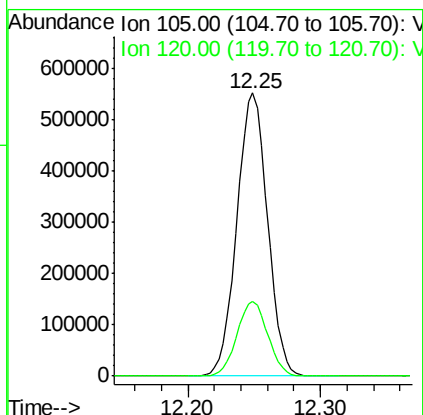
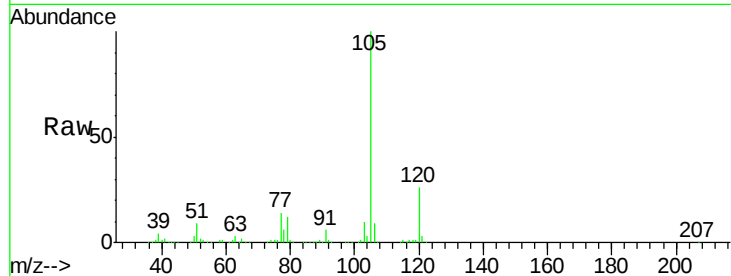




#73
Isopropylbenzene
Concen: 21.221 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

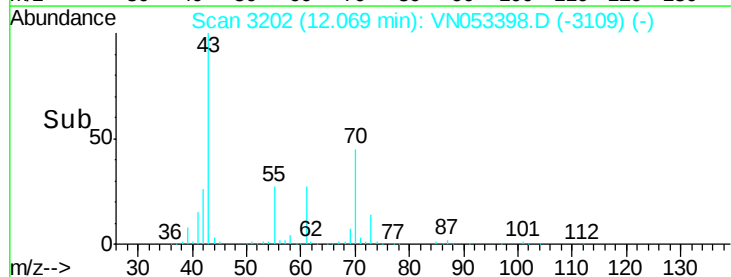
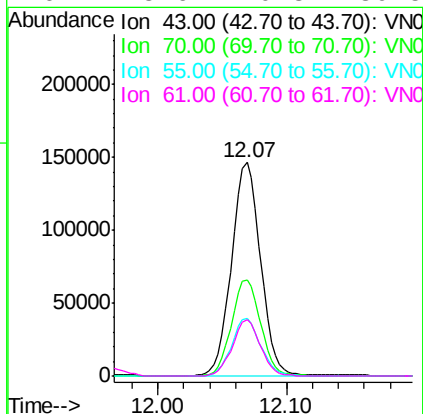
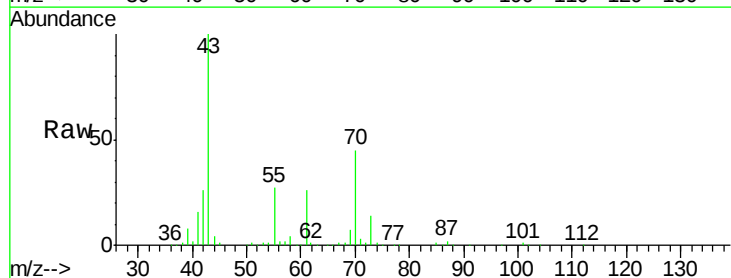
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

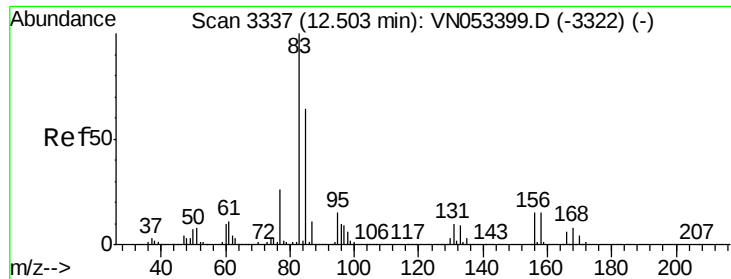
Tot Ion:105 Resp: 886106
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2



#74
N-ethyl acetate
Concen: 20.490 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 43 Resp: 228072
Ion Ratio Lower Upper
43 100
70 45.3 35.0 52.6
55 27.0 20.0 30.0
61 25.6 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.881 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

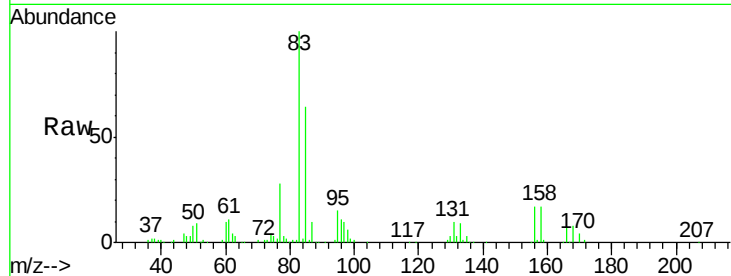
Tot Ion: 83 Resp: 182865

Ion Ratio Lower Upper

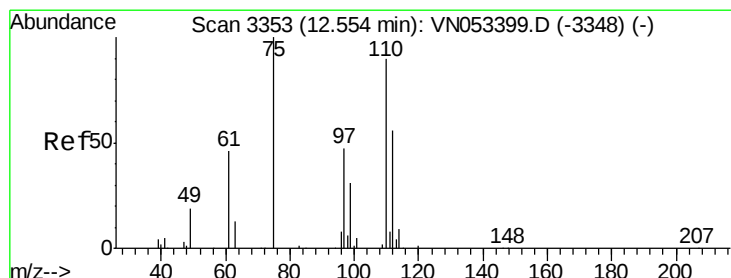
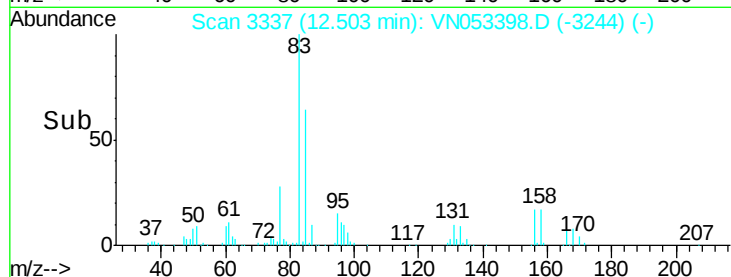
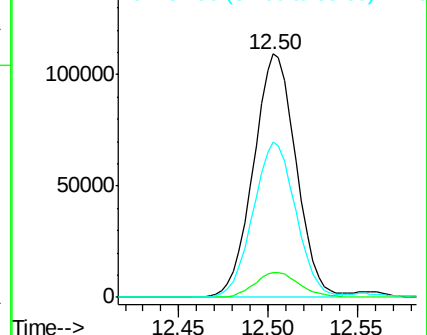
83 100

131 10.7 5.3 15.9

85 63.7 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 34.213 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053398.D

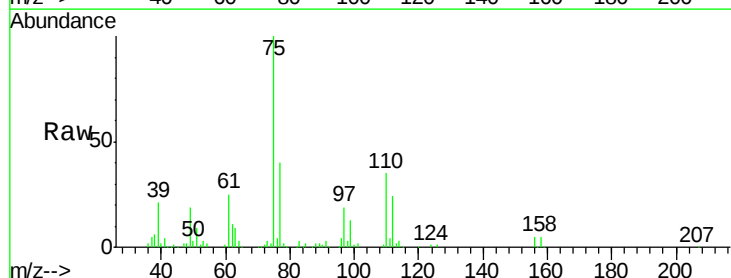
Acq: 15 Jan 2019 10:09

Tgt Ion: 75 Resp: 245620

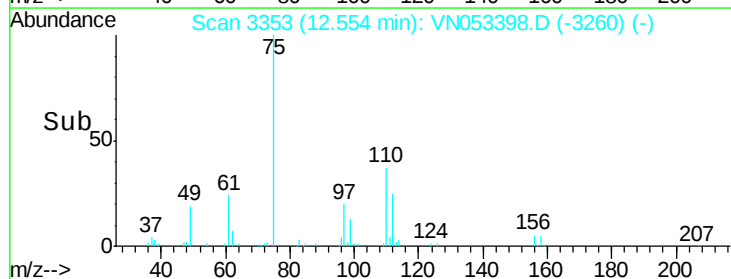
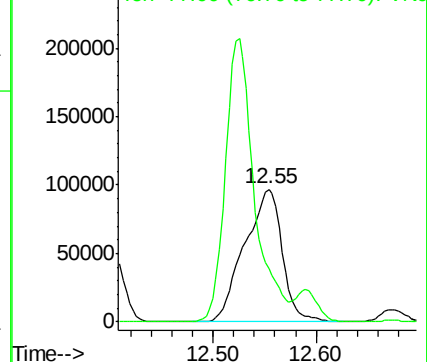
Ion Ratio Lower Upper

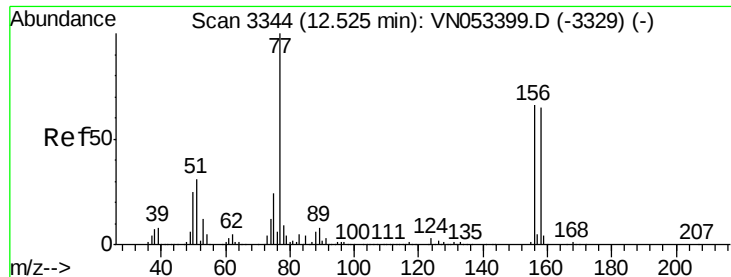
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.077 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

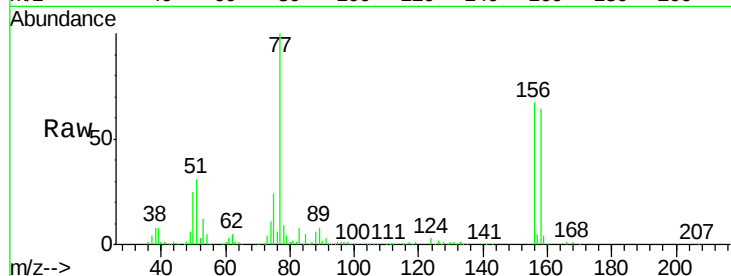
Tot Ion:156 Resp: 231901

Ion Ratio Lower Upper

156 100

77 174.4 89.3 268.1

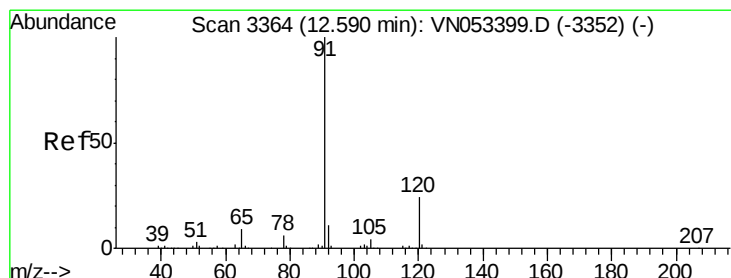
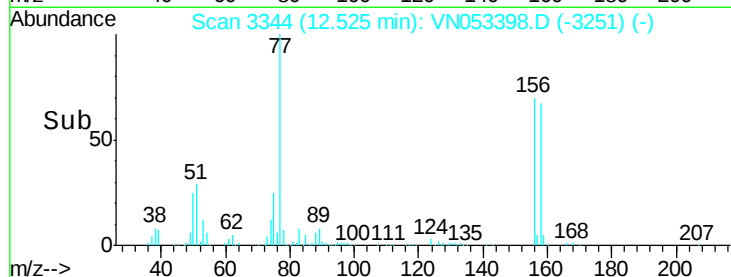
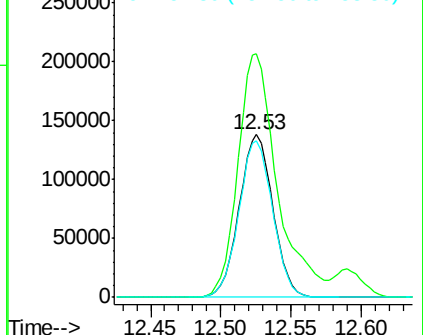
158 96.5 48.9 146.8



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: 21.262 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053398.D

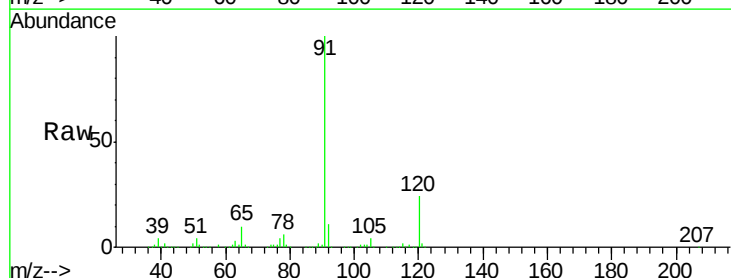
Acq: 15 Jan 2019 10:09

Tgt Ion: 91 Resp: 1019075

Ion Ratio Lower Upper

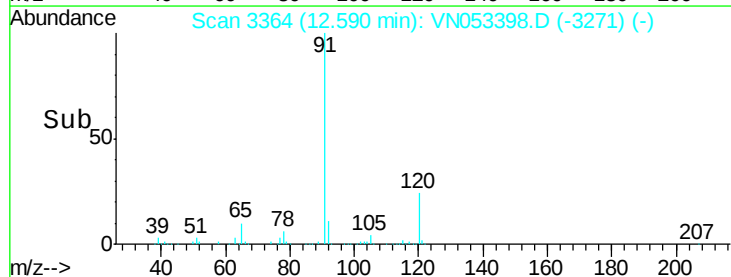
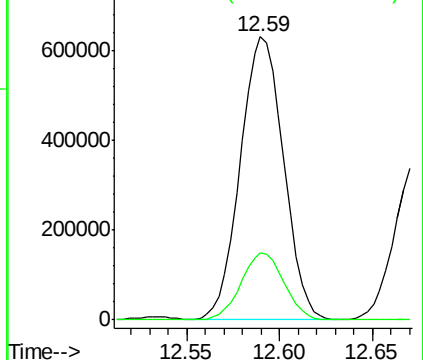
91 100

120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

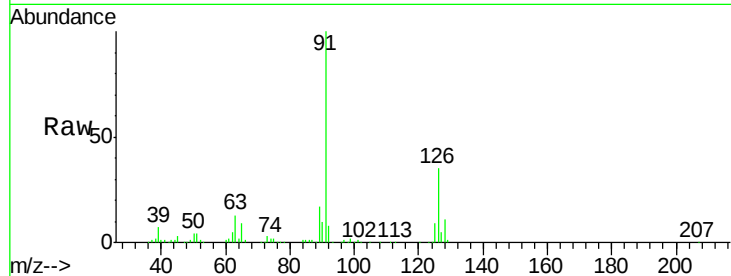
VSTDIC020

Tot Ion: 91 Resp: 598297

Ion Ratio Lower Upper

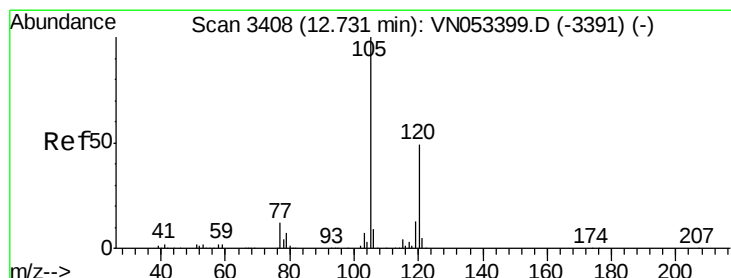
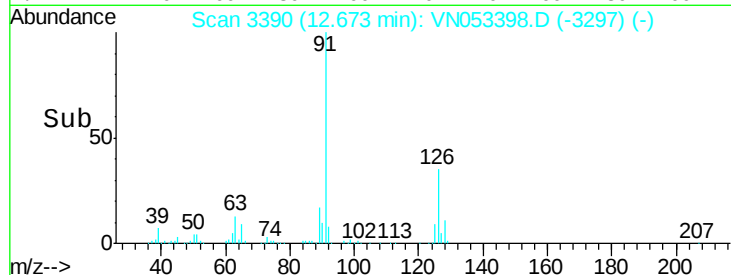
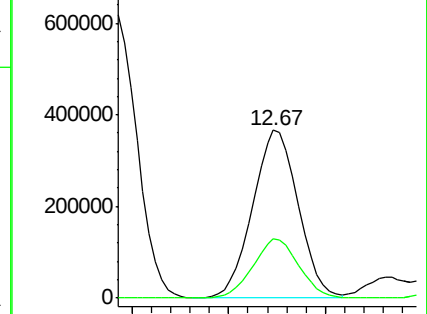
91 100

126 35.5 17.5 52.5



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

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.258 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053398.D

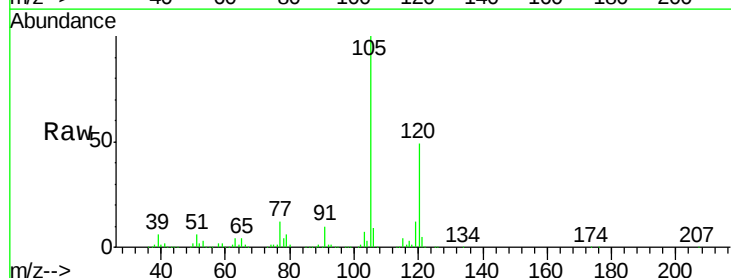
Acq: 15 Jan 2019 10:09

Tgt Ion: 105 Resp: 722189

Ion Ratio Lower Upper

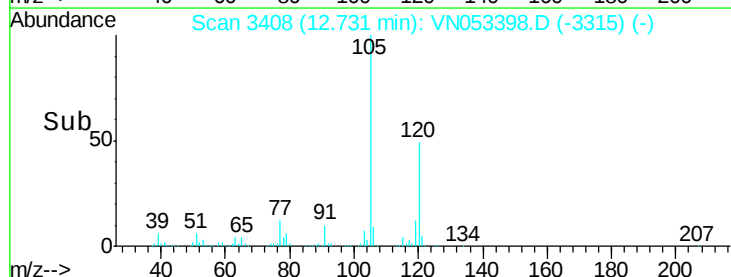
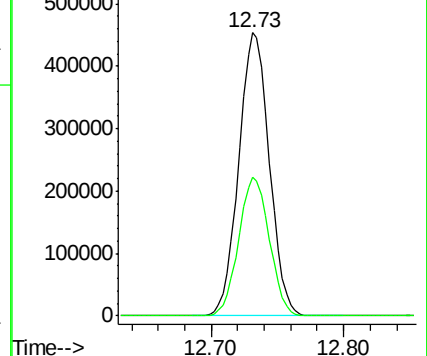
105 100

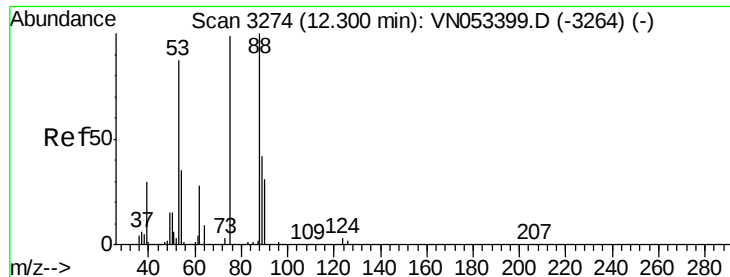
120 49.3 24.7 74.1



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

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.401 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

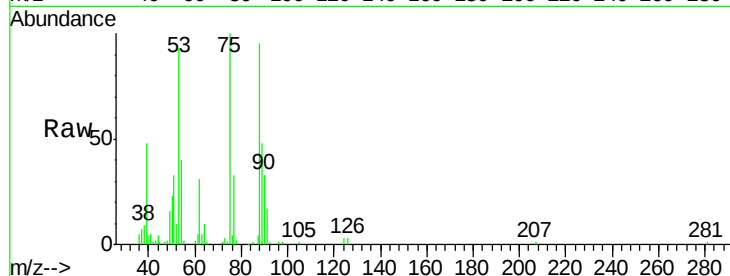
Tot Ion: 75 Resp: 52753

Ion Ratio Lower Upper

75 100

53 94.1 70.5 105.7

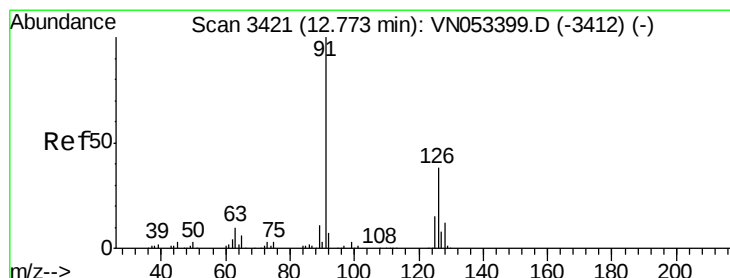
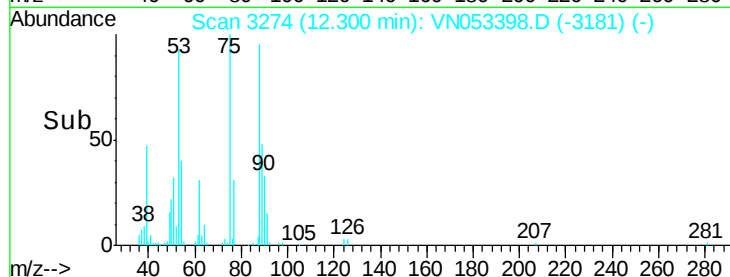
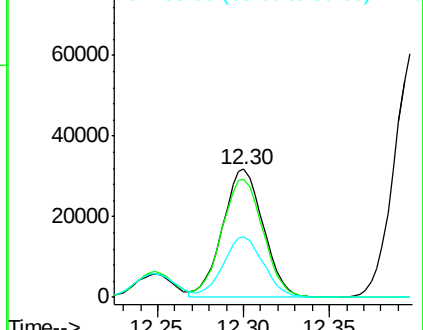
89 46.6 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.216 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053398.D

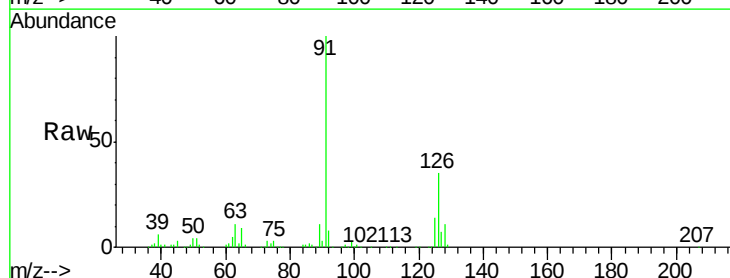
Acq: 15 Jan 2019 10:09

Tgt Ion: 91 Resp: 614685

Ion Ratio Lower Upper

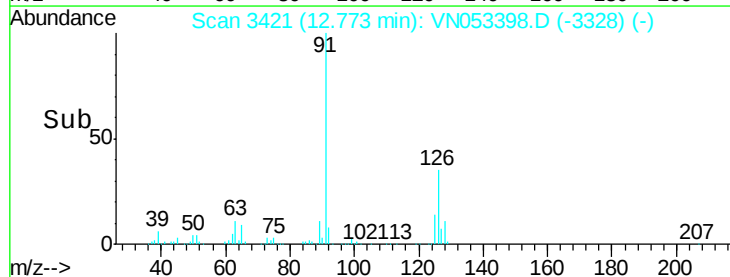
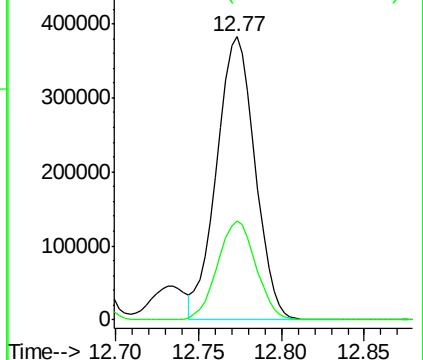
91 100

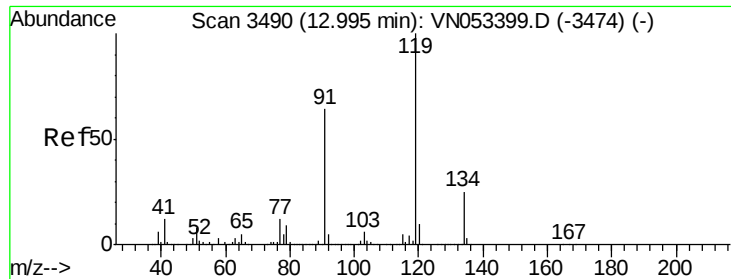
126 35.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

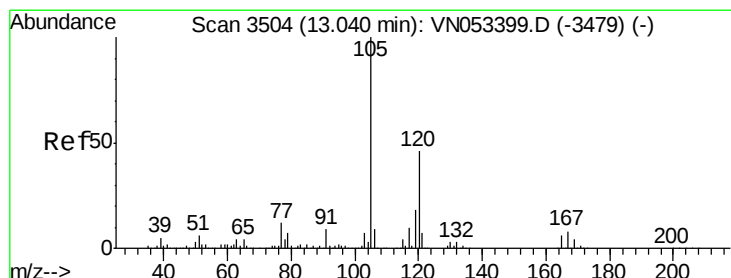
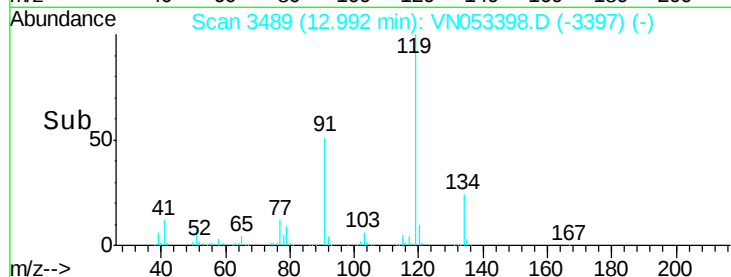
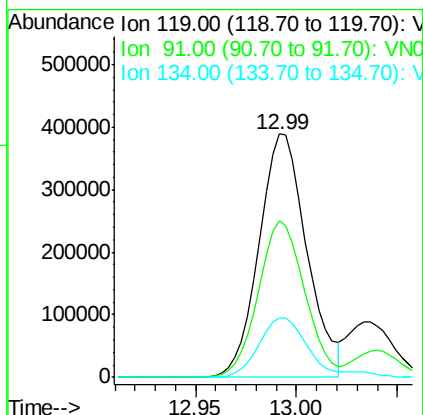
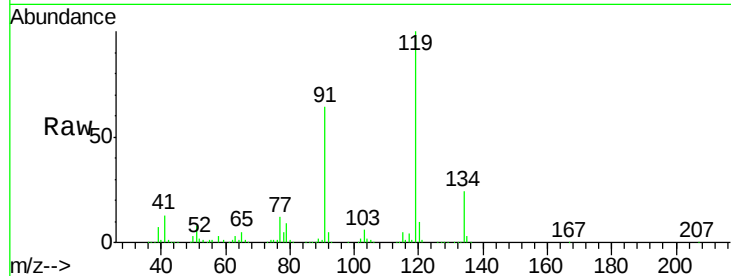




#83
 tert-Butylbenzene
 Concen: 21.389 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

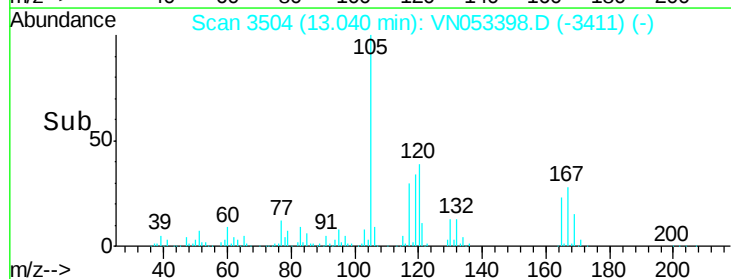
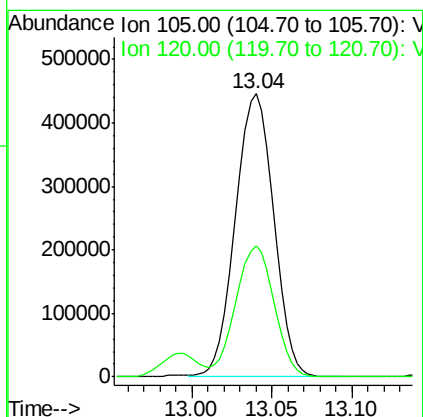
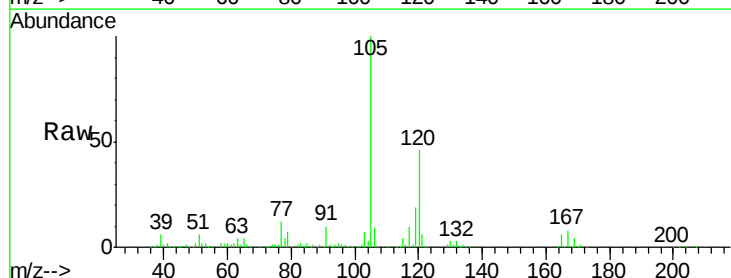
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

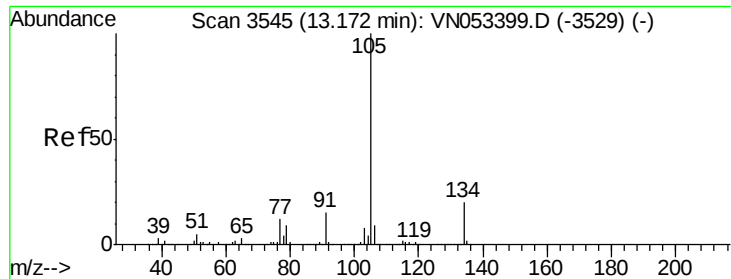
Tot Ion:119 Resp: 641791
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.6 95.0
 134 24.4 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.270 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion:105 Resp: 728629
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.057 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

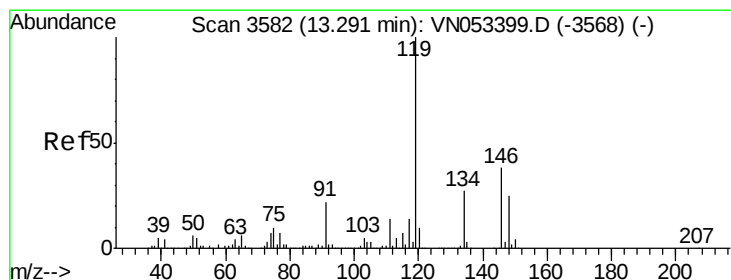
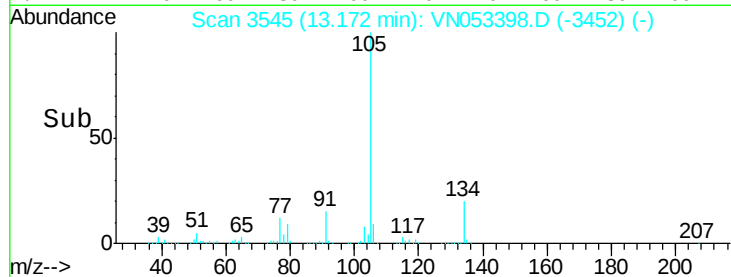
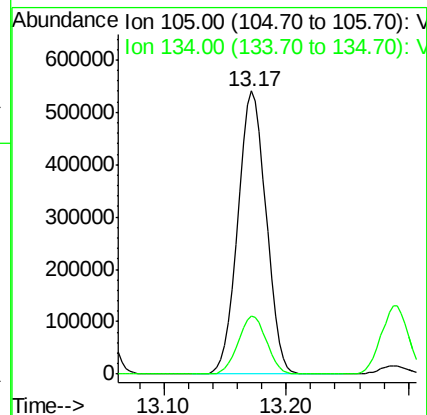
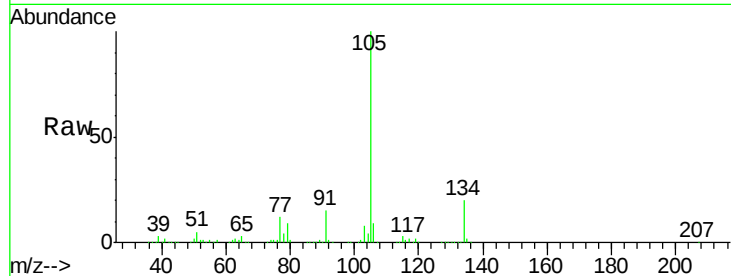
VSTDIC020

Tot Ion:105 Resp: 866536

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 21.185 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

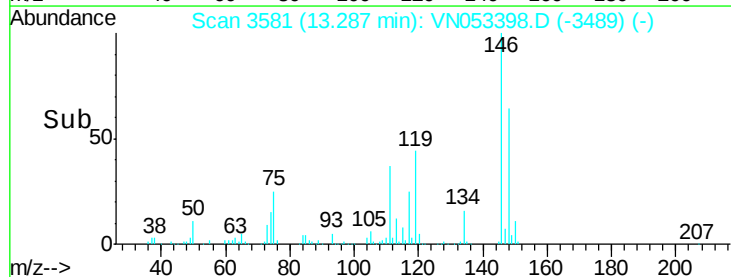
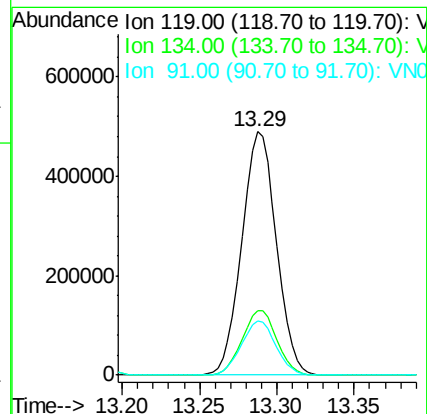
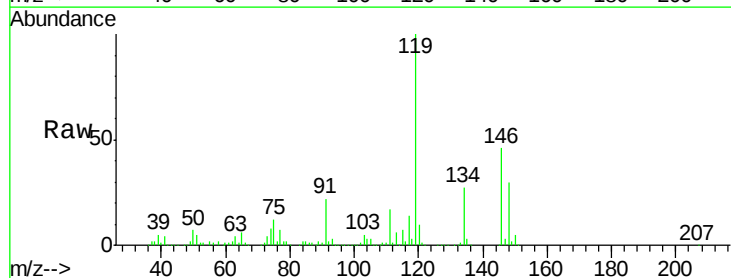
Tgt Ion:119 Resp: 756974

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.2 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 20.795 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

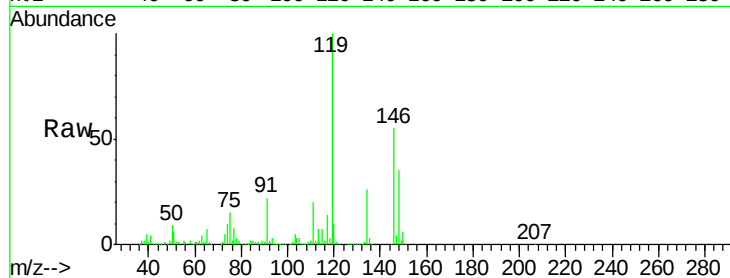
Tot Ion:146 Resp: 402478

Ion Ratio Lower Upper

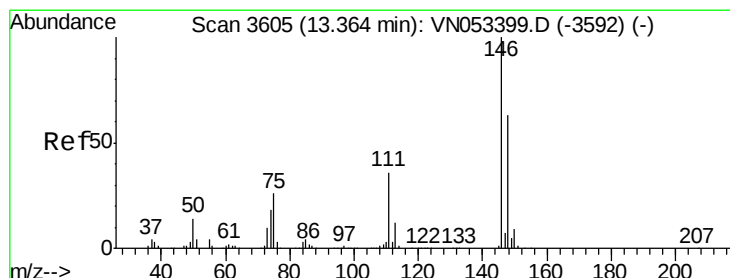
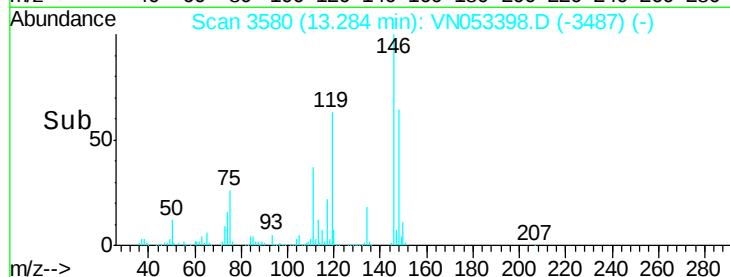
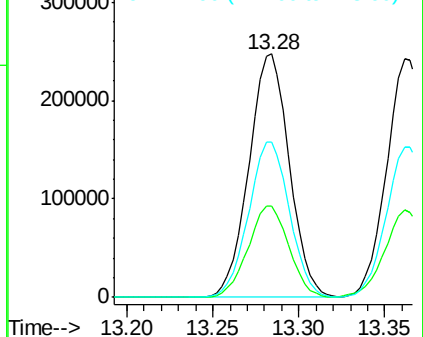
146 100

111 37.8 18.9 56.5

148 64.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.508 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

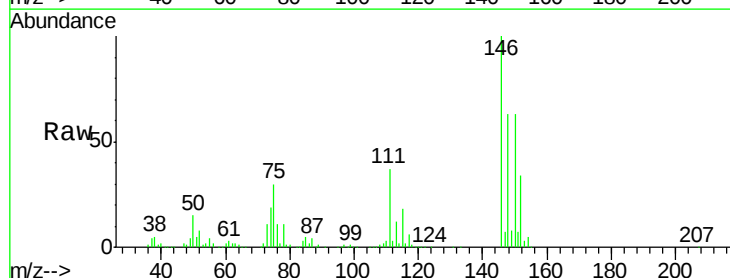
Tgt Ion:146 Resp: 398150

Ion Ratio Lower Upper

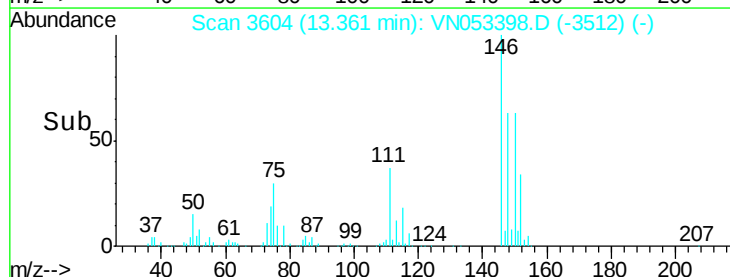
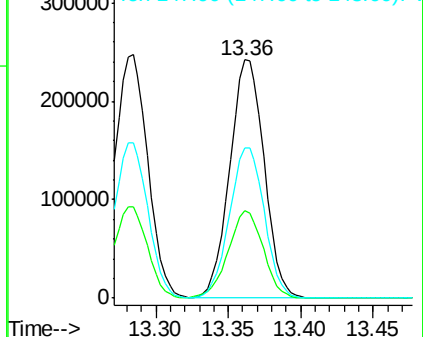
146 100

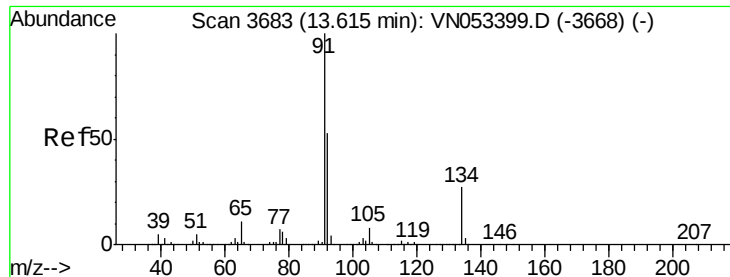
111 37.4 18.6 55.8

148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

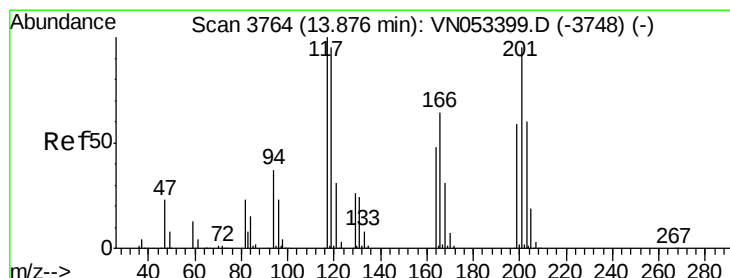
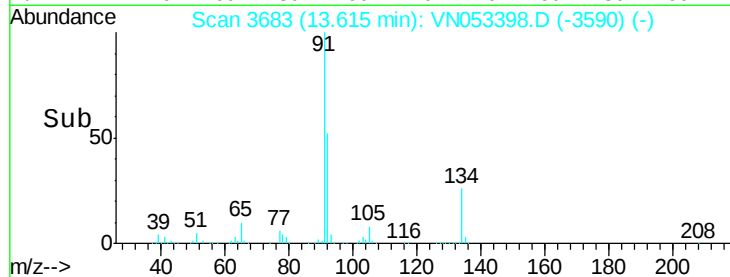
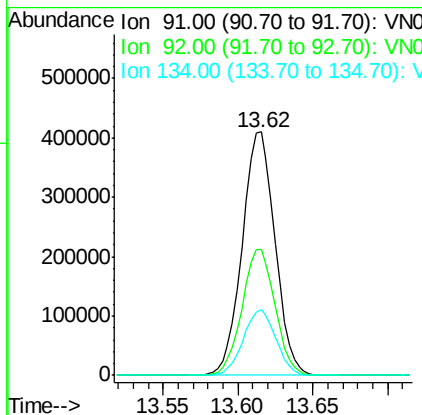
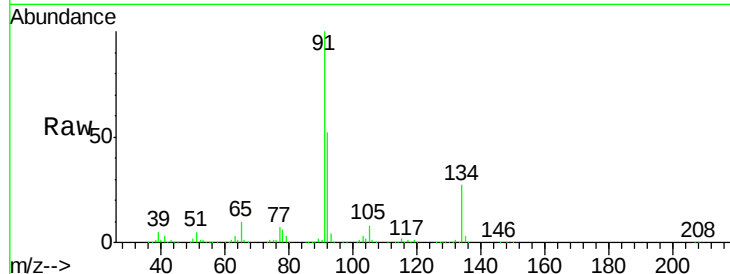




#89
n-Butylbenzene
Concen: 20.552 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

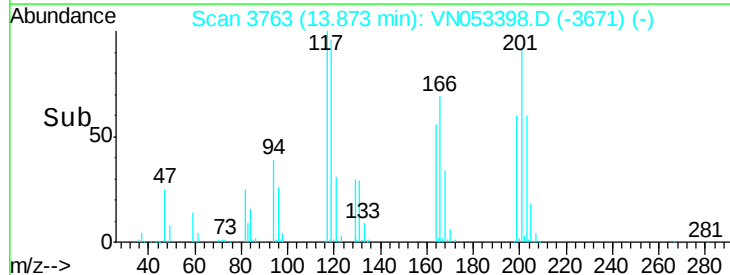
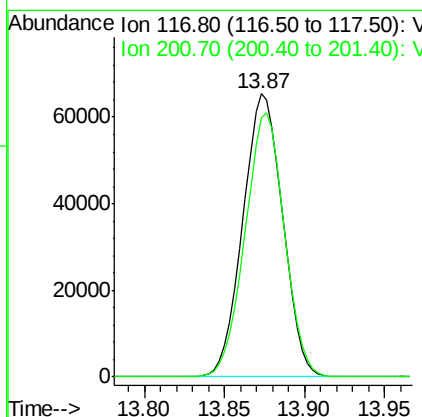
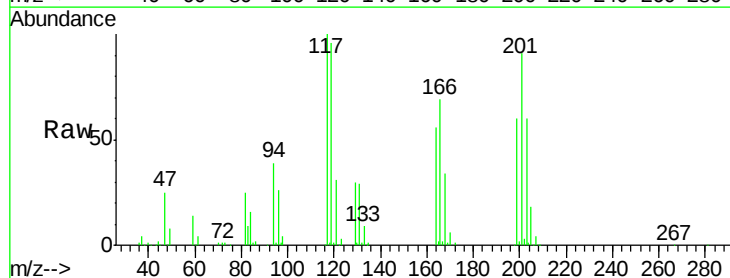
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

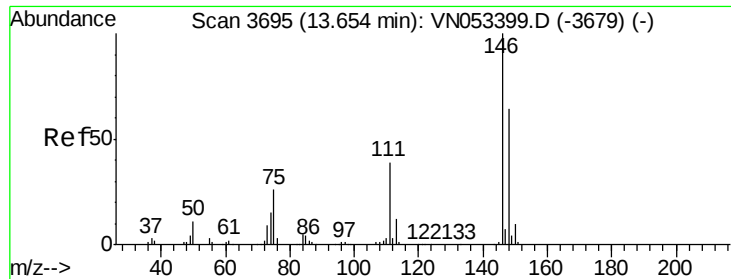
Tot Ion: 91 Resp: 625962
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.8
134 26.8 13.5 40.5



#90
Hexachloroethane
Concen: 19.857 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053398.D
Acq: 15 Jan 2019 10:09

Tgt Ion: 117 Resp: 111275
Ion Ratio Lower Upper
117 100
201 92.3 46.1 138.3

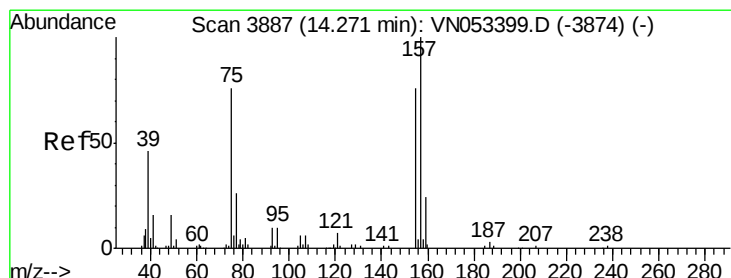
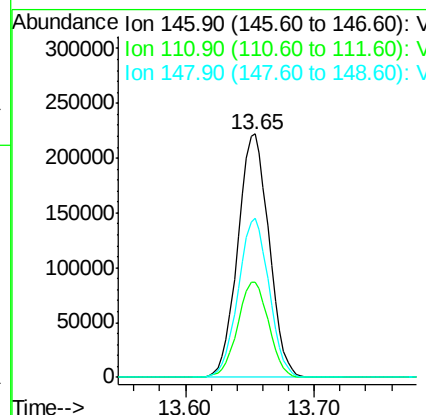
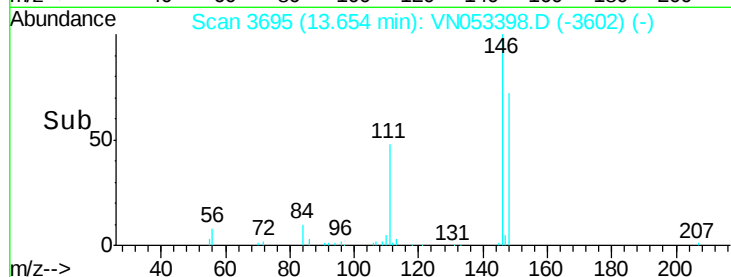
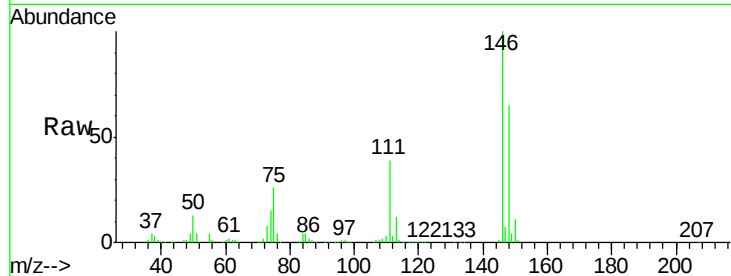




#91
 1,2-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

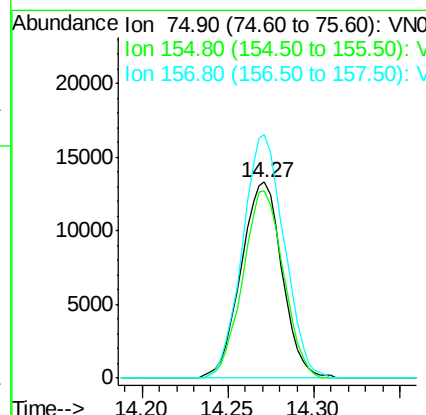
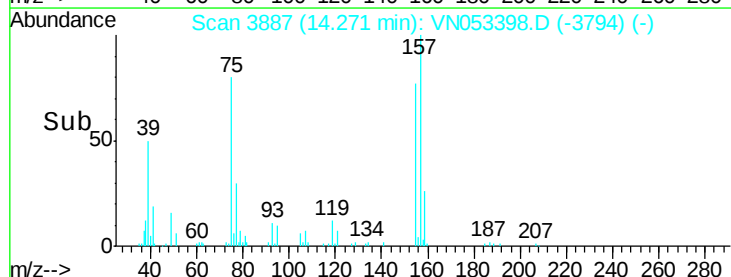
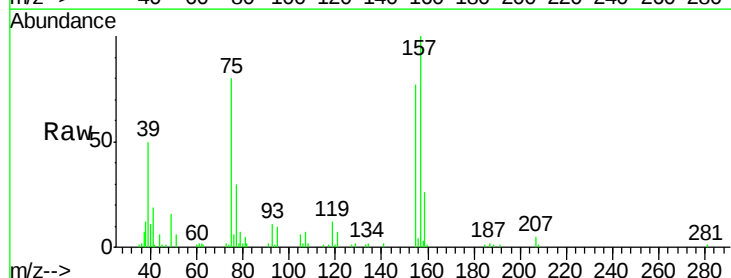
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

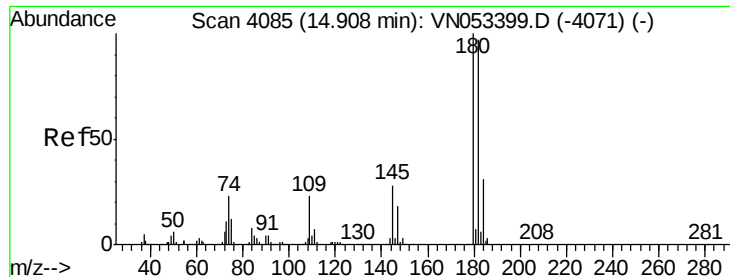
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.4	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.923 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.1	144.3
157	125.7	61.5	184.4

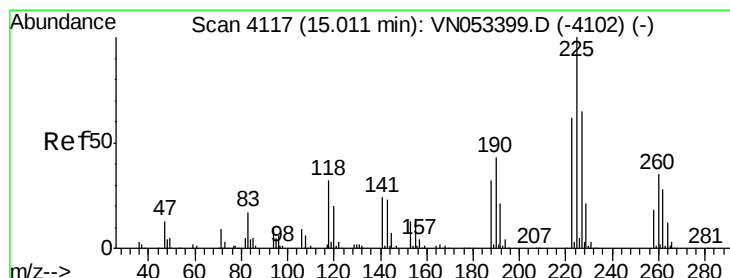
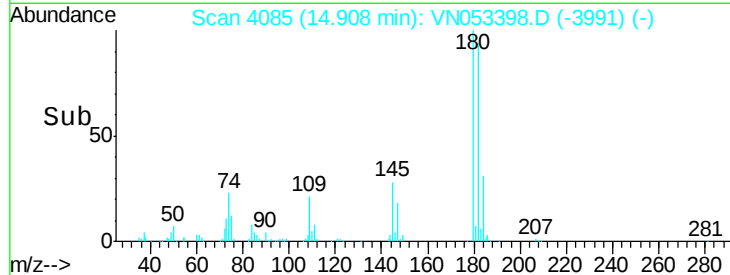
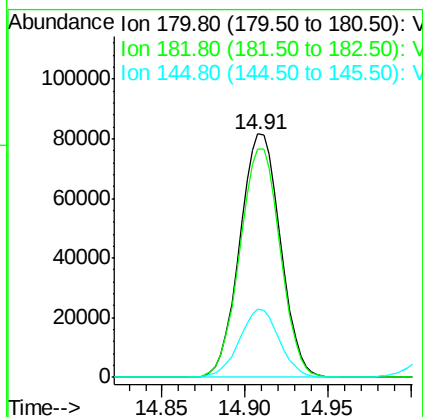
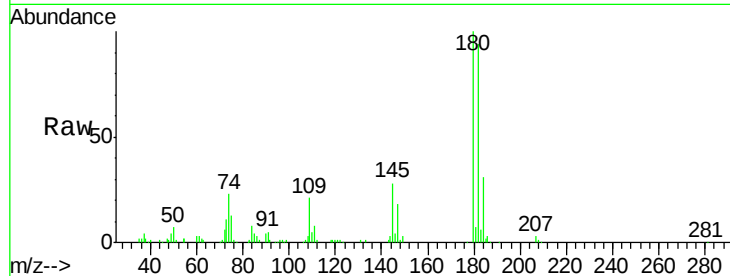




#93
 1,2,4-Trichlorobenzene
 Concen: 19.467 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

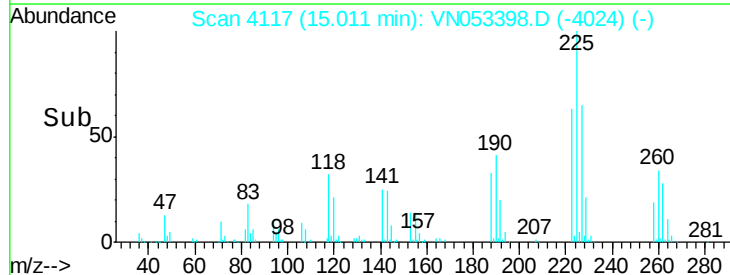
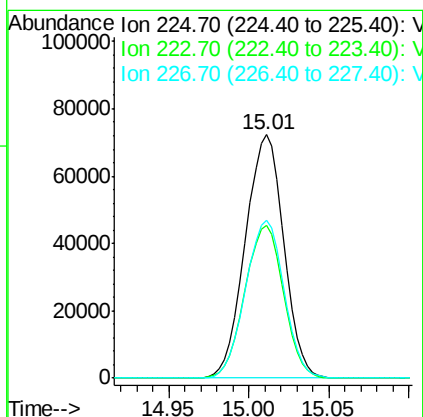
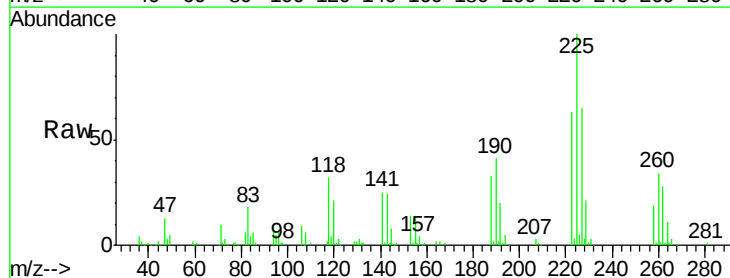
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

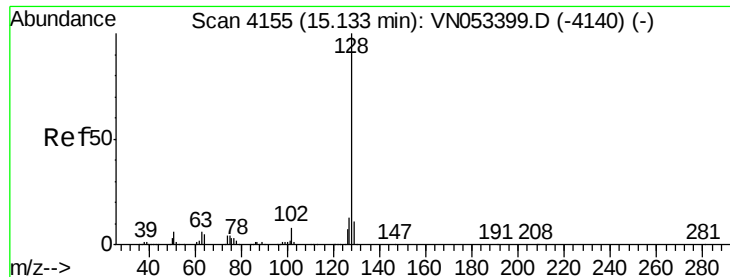
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.4
145	27.5	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 21.377 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053398.D
 Acq: 15 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.8
227	65.0	31.4	94.2





#95

Naphthalene

Concen: 18.575 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

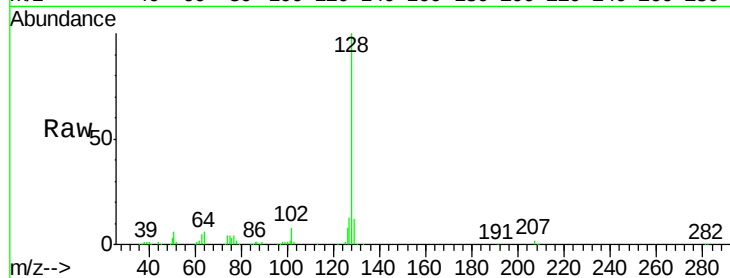
Tot Ion:128 Resp: 219003

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

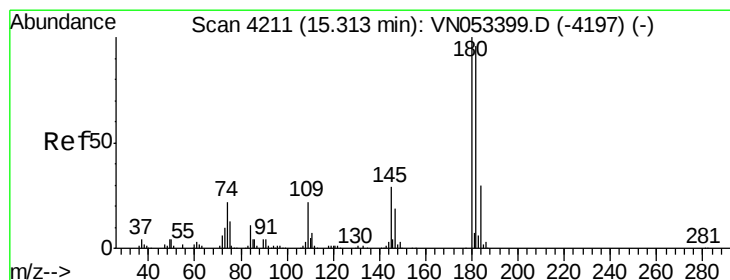
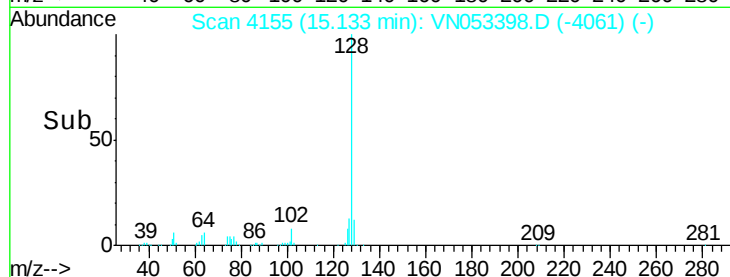
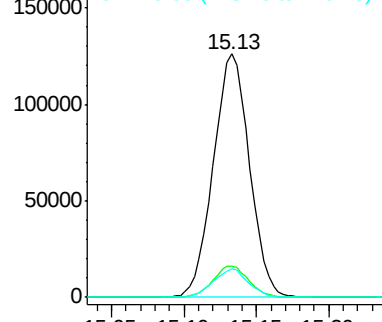
129 11.3 8.7 13.1



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: 18.785 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053398.D

Acq: 15 Jan 2019 10:09

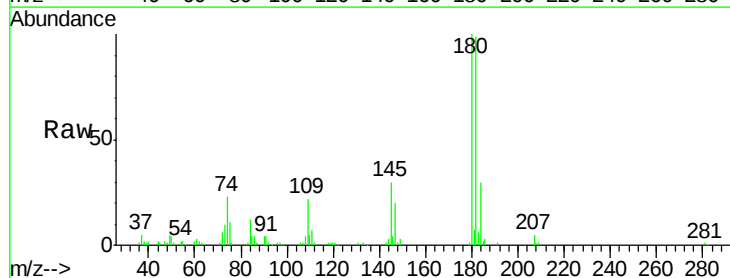
Tgt Ion:180 Resp: 92794

Ion Ratio Lower Upper

180 100

182 98.6 48.4 145.0

145 30.0 14.9 44.5



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

