

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053402.D
 Acq On : 15 Jan 2019 12:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Quant Time: Jan 16 03:37:21 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	955287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1410090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1264065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	617312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	471735	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	416814	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.09	98	1724121	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	607274	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379666	49.432	ug/l	99
3) Chloromethane	2.06	50	520176	47.369	ug/l	99
4) Vinyl Chloride	2.19	62	511115	48.285	ug/l	99
5) Bromomethane	2.55	94	331202	45.601	ug/l	100
6) Chloroethane	2.70	64	301550	47.118	ug/l	98
7) Trichlorofluoromethane	3.02	101	688881	49.754	ug/l	99
8) Diethyl Ether	3.41	74	266959	51.336	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	445296	50.783	ug/l	100
10) Methyl Iodide	3.95	142	650066	48.513	ug/l	100
11) Tert butyl alcohol	4.78	59	128485	278.094	ug/l	99
12) 1,1-Dichloroethene	3.74	96	420717	49.467	ug/l	99
13) Acrolein	3.60	56	234019	258.703	ug/l	99
14) Allyl chloride	4.32	41	714602	51.727	ug/l	95
15) Acrylonitrile	4.98	53	815263	268.125	ug/l	99
16) Acetone	3.81	43	552786	249.533	ug/l	99
17) Carbon Disulfide	4.06	76	1282670	49.871	ug/l	99
18) Methyl Acetate	4.32	43	388611	52.067	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1196602	52.951	ug/l	99
20) Methylene Chloride	4.55	84	480786	47.537	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	456797	50.237	ug/l	99
22) Diisopropyl ether	5.95	45	1461400	50.673	ug/l	97
23) Vinyl Acetate	5.89	43	4811336	271.392	ug/l	99
24) 1,1-Dichloroethane	5.85	63	839892	49.263	ug/l	100
25) 2-Butanone	6.83	43	934443	273.727	ug/l	99
26) 2,2-Dichloropropane	6.82	77	657769	51.099	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	523928	50.390	ug/l	99
28) Bromochloromethane	7.19	49	373052	49.668	ug/l	98
29) Tetrahydrofuran	7.21	42	608568	273.836	ug/l	99
30) Chloroform	7.37	83	820007	49.365	ug/l	97
31) Cyclohexane	7.65	56	825234	49.736	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	702693	49.868	ug/l	99
36) 1,1-Dichloropropene	7.79	75	659100	51.324	ug/l	100
37) Ethyl Acetate	6.93	43	411307	55.212	ug/l	99
38) Carbon Tetrachloride	7.77	117	618447	50.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858300	54.075	ug/l	99
40) Benzene	8.04	78	1971113	50.510	ug/l	99
41) Methacrylonitrile	7.17	41	206371	44.799	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	577890	50.831	ug/l	100
43) Isopropyl Acetate	8.16	43	751843	54.198	ug/l	100
44) Trichloroethene	8.83	130	547887	50.627	ug/l	100
45) 1,2-Dichloropropane	9.12	63	523054	50.604	ug/l	99
46) Dibromomethane	9.21	93	298910	50.334	ug/l	99
47) Bromodichloromethane	9.40	83	628537	50.328	ug/l	99
48) Methyl methacrylate	9.20	41	379007	55.254	ug/l	100
49) 1,4-Dioxane	9.20	88	66765	996.636	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2052140	282.967	ug/l	100
52) Toluene	10.16	92	1227429	50.664	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	676815	53.467	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	778718	52.477	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	433199	51.864	ug/l	99
56) Ethyl methacrylate	10.43	69	597506	50.390	ug/l	100
57) 1,3-Dichloropropane	10.71	76	747803	51.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1586753	271.548	ug/l	99
59) 2-Hexanone	10.75	43	1451620	285.136	ug/l	99
60) Dibromochloromethane	10.90	129	488670	51.582	ug/l	99
61) 1,2-Dibromoethane	11.01	107	444231	52.588	ug/l	99
64) Tetrachloroethene	10.63	164	581974	48.854	ug/l	99
65) Chlorobenzene	11.43	112	1365500	51.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	476767	51.221	ug/l	99
67) Ethyl Benzene	11.51	91	2365957	51.886	ug/l	100
68) m/p-Xylenes	11.62	106	1823500	105.918	ug/l	99
69) o-Xylene	11.95	106	875136	52.313	ug/l	100
70) Styrene	11.96	104	1460414	53.790	ug/l	99
71) Bromoform	12.13	173	346213	54.028	ug/l #	100
73) Isopropylbenzene	12.25	105	2352604	52.041	ug/l	100
74) N-amyl acetate	12.07	43	681166	56.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	515969	54.422	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	689678	88.735	ug/l #	100
77) Bromobenzene	12.53	156	606959	50.954	ug/l	99
78) n-propylbenzene	12.59	91	2740927	52.821	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579845	51.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1936182	52.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167754	52.077	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628646	51.923	ug/l	100
83) tert-Butylbenzene	12.99	119	1722384	53.020	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1967697	53.057	ug/l	100
85) sec-Butylbenzene	13.17	105	2369826	53.192	ug/l	100
86) p-Isopropyltoluene	13.29	119	2087790	53.970	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1093259	52.175	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1071494	50.979	ug/l	99
89) n-Butylbenzene	13.62	91	1803237	54.685	ug/l	100
90) Hexachloroethane	13.88	117	317279	52.296	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1010045	52.396	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67447	56.105	ug/l	98

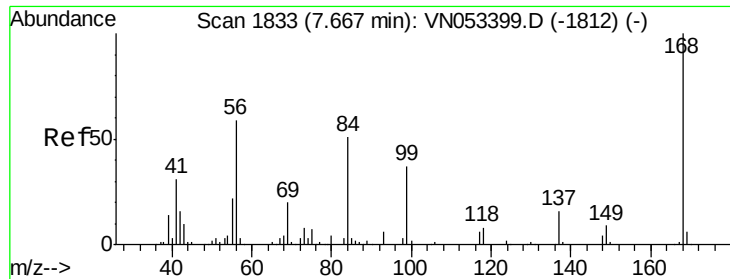
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	444165	52.097	ug/l	99
94) Hexachlorobutadiene	15.01	225	340917	56.692	ug/l	98
95) Naphthalene	15.13	128	772163	51.606	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	324258	51.936	ug/l	100

(#) = 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: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

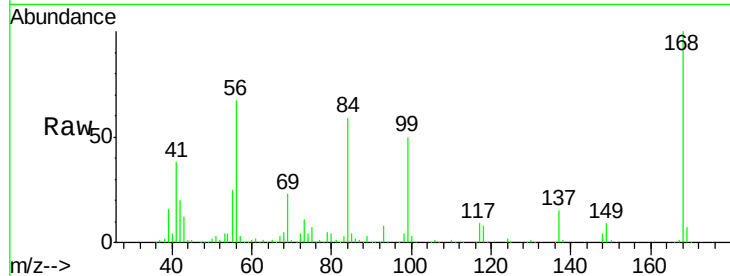
ICVVN011519

Tot Ion:168 Resp: 955287

Ion Ratio Lower Upper

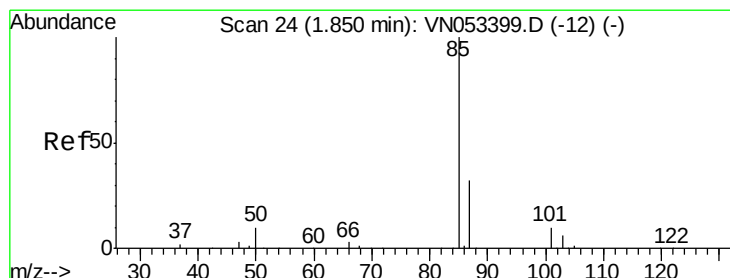
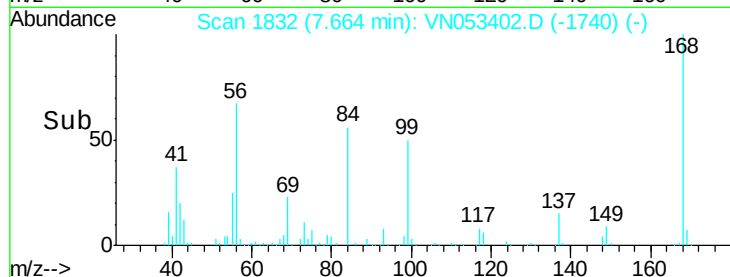
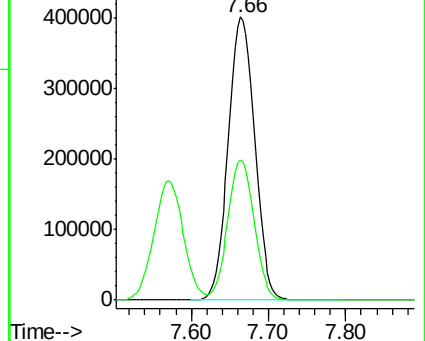
168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.432 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053402.D

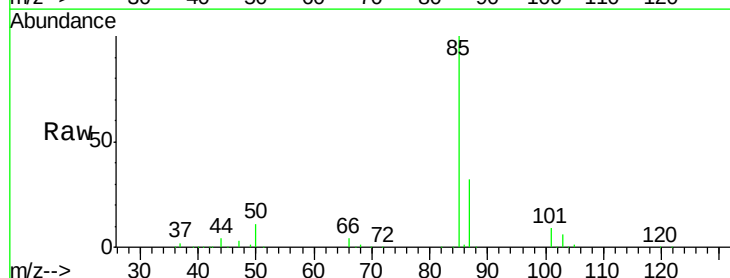
Acq: 15 Jan 2019 12:01

Tgt Ion: 85 Resp: 379666

Ion Ratio Lower Upper

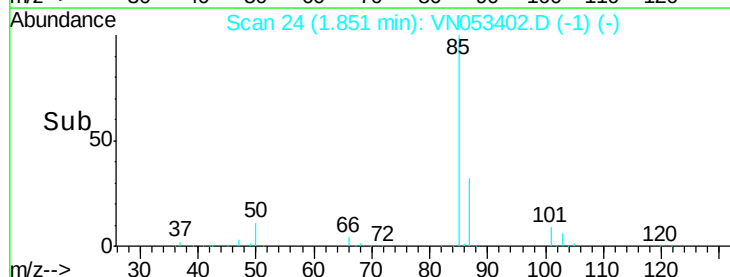
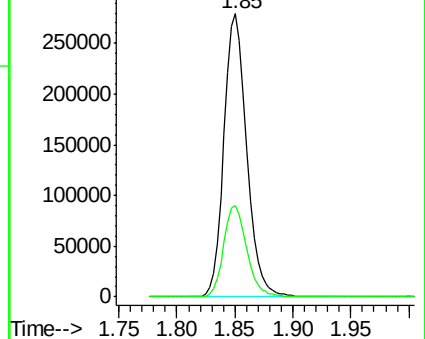
85 100

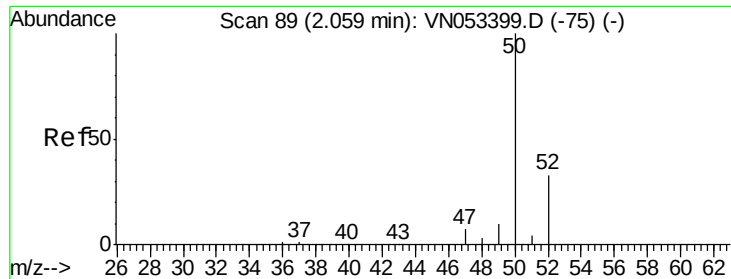
87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.369 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

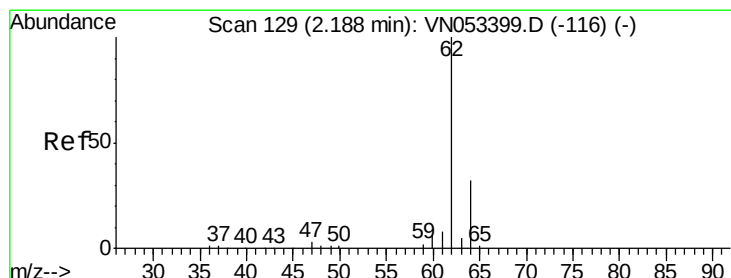
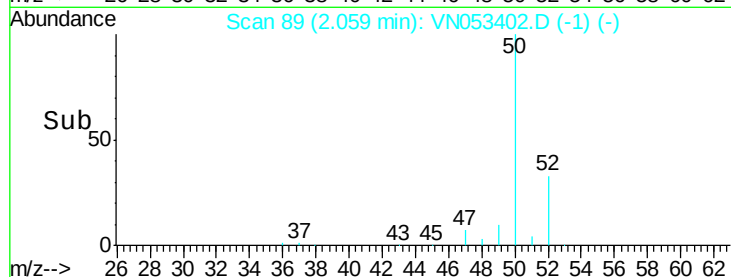
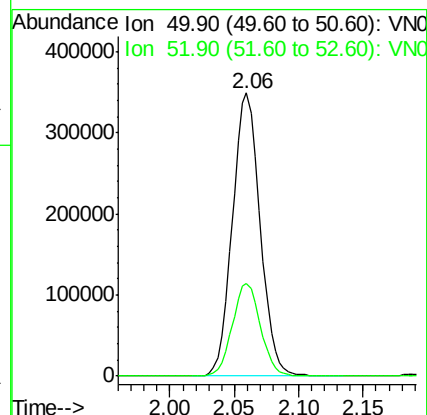
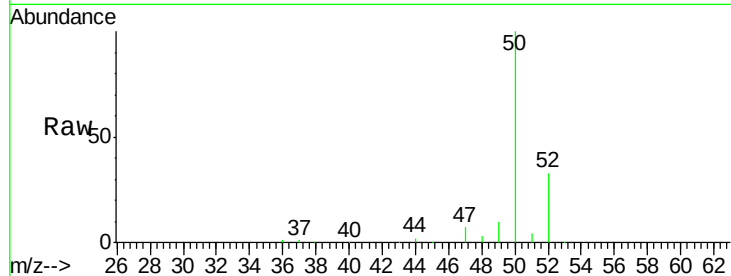
ICVVN011519

Tot Ion: 50 Resp: 520176

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 48.285 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053402.D

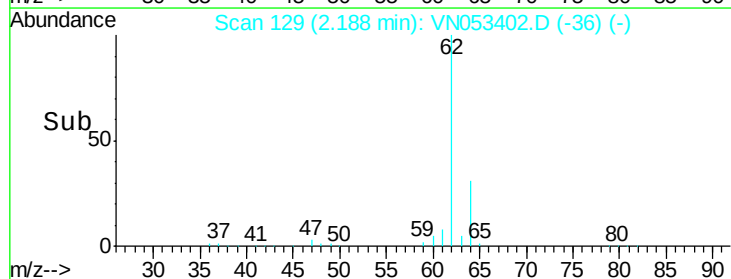
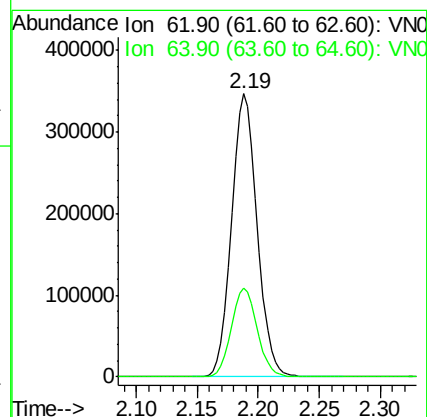
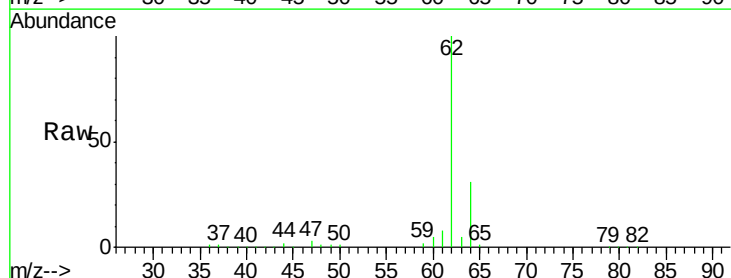
Acq: 15 Jan 2019 12:01

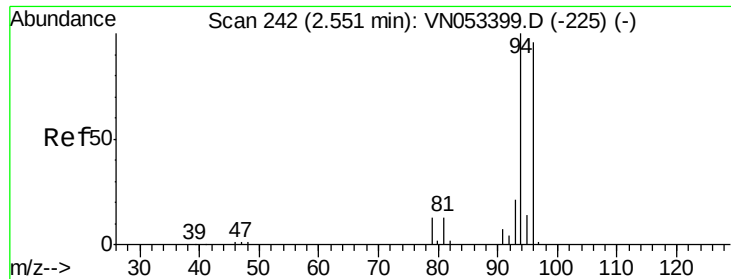
Tgt Ion: 62 Resp: 511115

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 45.601 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

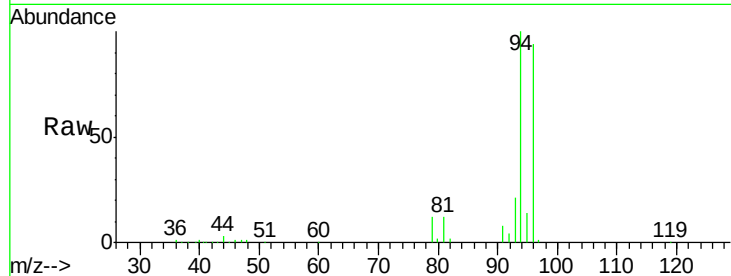
ICVFN011519

Tot Ion: 94 Resp: 331202

Ion Ratio Lower Upper

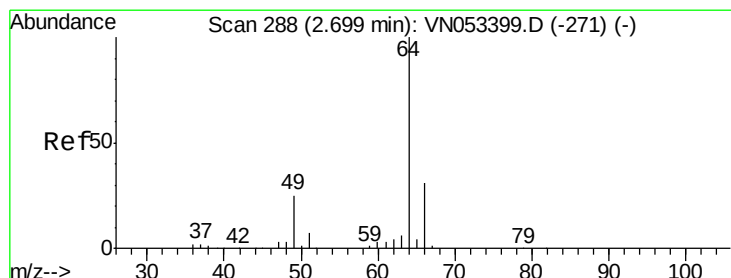
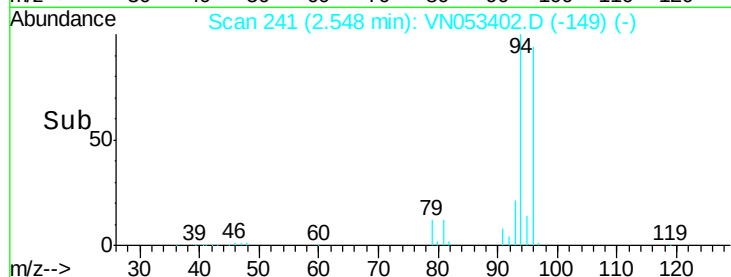
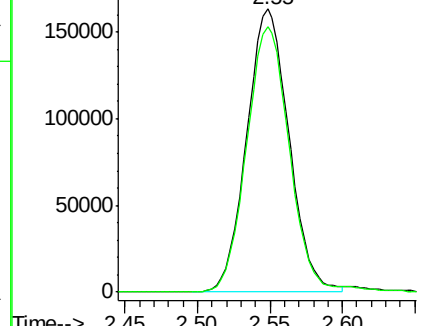
94 100

96 93.8 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: 47.118 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN053402.D

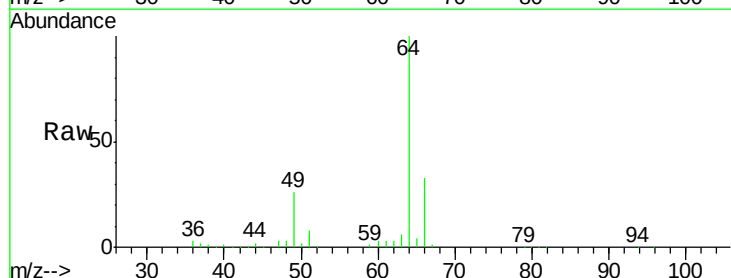
Acq: 15 Jan 2019 12:01

Tgt Ion: 64 Resp: 301550

Ion Ratio Lower Upper

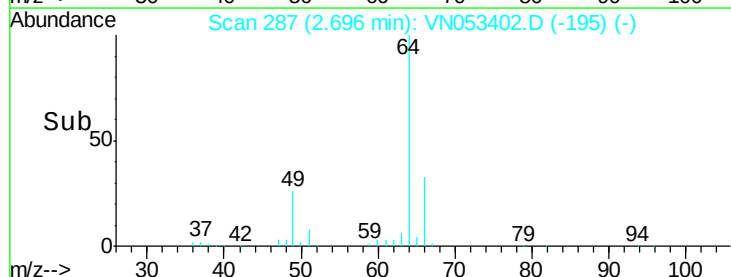
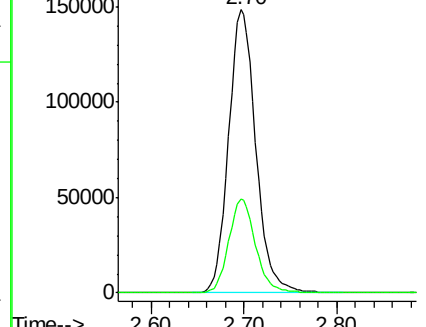
64 100

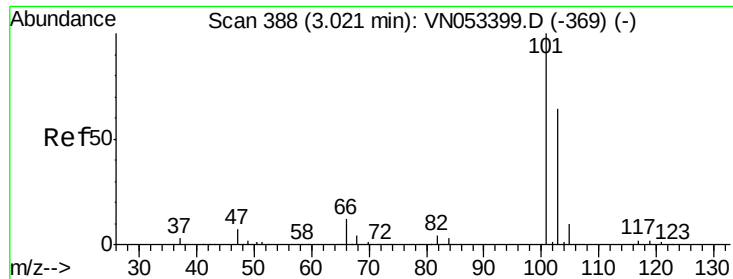
66 33.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



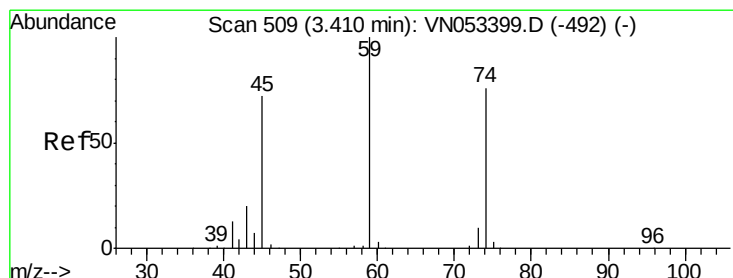
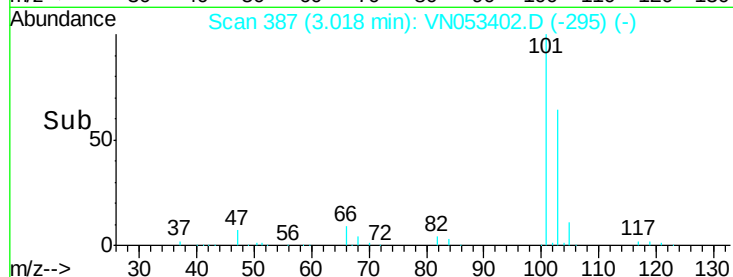
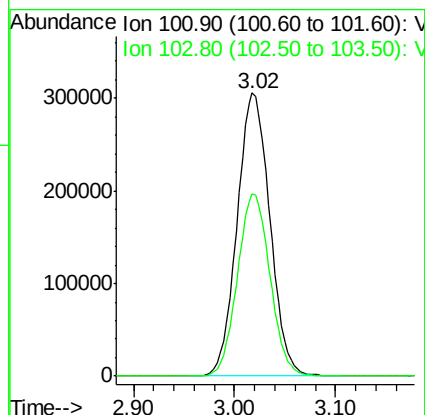
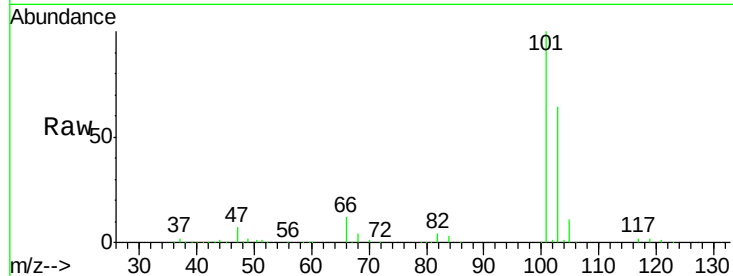


#7

Trichlorofluoromethane
Concen: 49.754 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053402.D
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Instrument :
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ICVFN011519

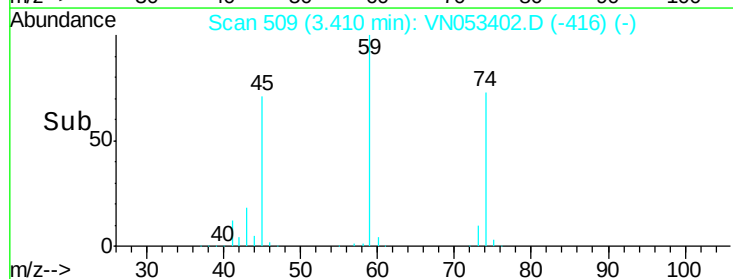
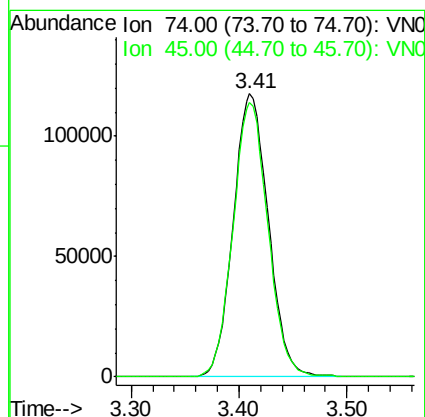
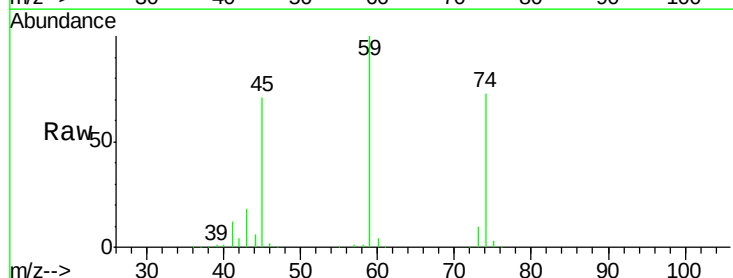
Tot Ion:101 Resp: 688881
Ion Ratio Lower Upper
101 100
103 64.3 52.1 78.1

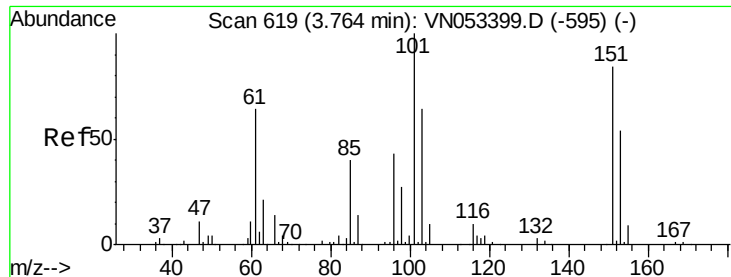


#8

Diethyl Ether
Concen: 51.336 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 74 Resp: 266959
Ion Ratio Lower Upper
74 100
45 96.3 48.3 144.9

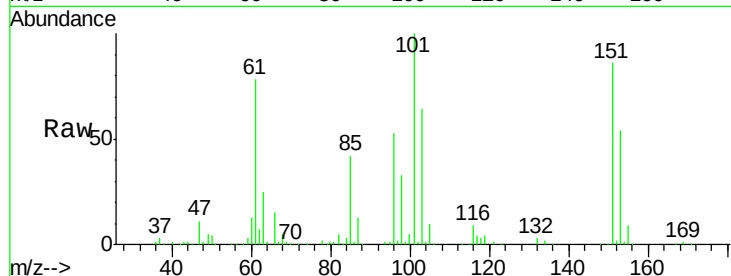




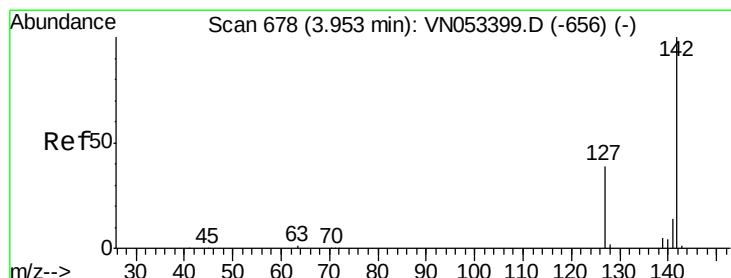
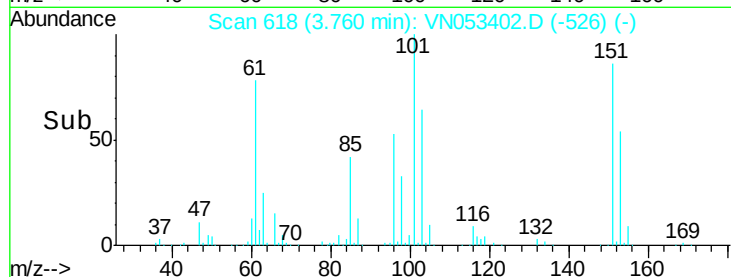
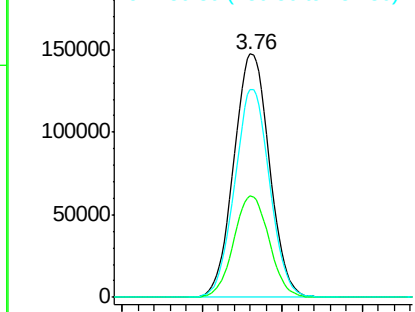
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.783 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN053402.D
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 ICVVN011519

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.3	49.9
151	83.9	67.0	100.4

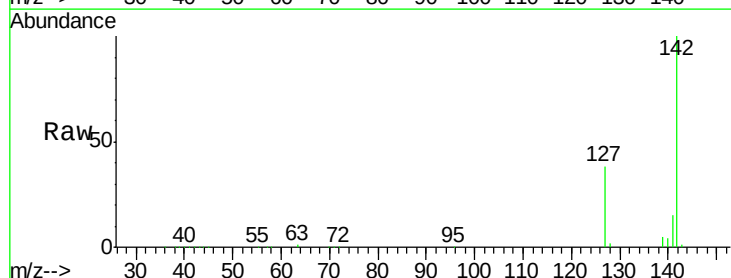


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

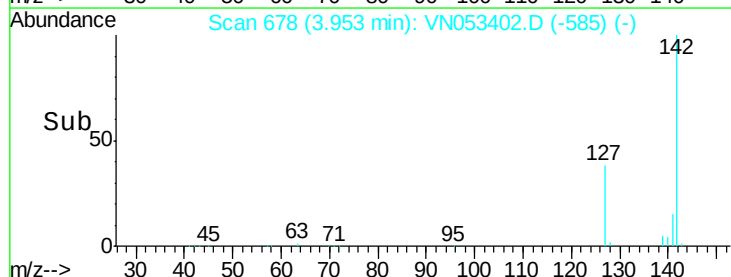
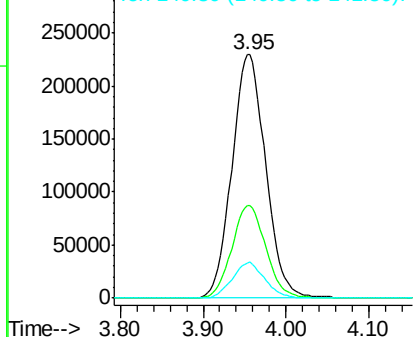


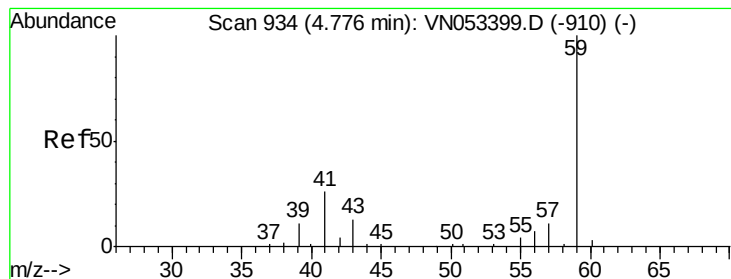
#10
 Methyl Iodide
 Concen: 48.513 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.9	46.3
141	14.1	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



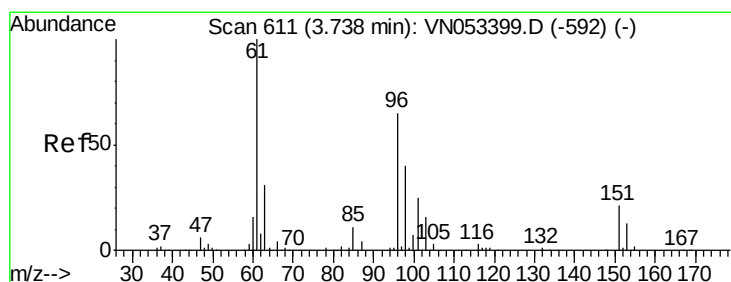
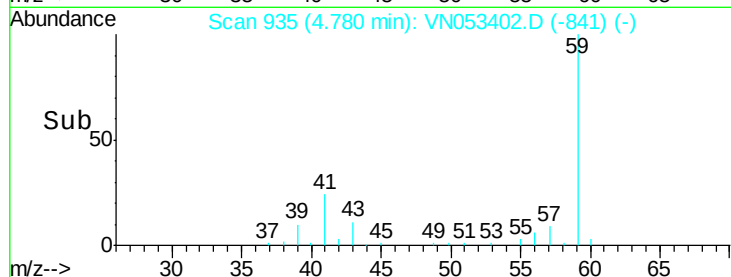
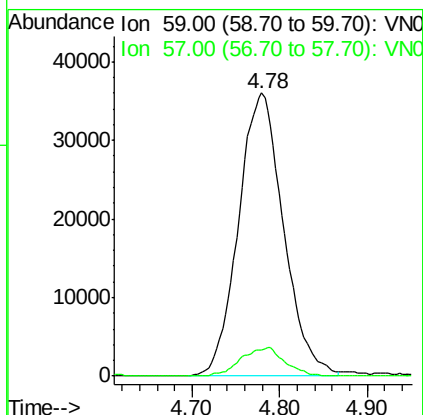
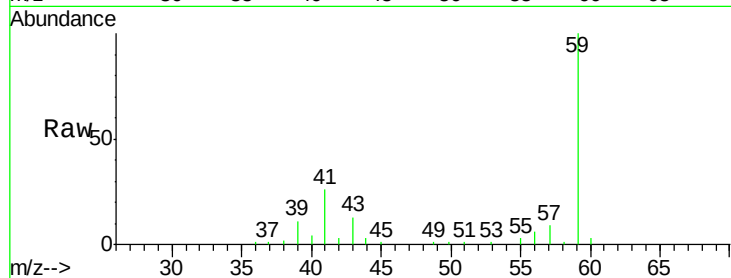


#11

Tert butyl alcohol
Concen: 278.094 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampled :
ICVVN011519

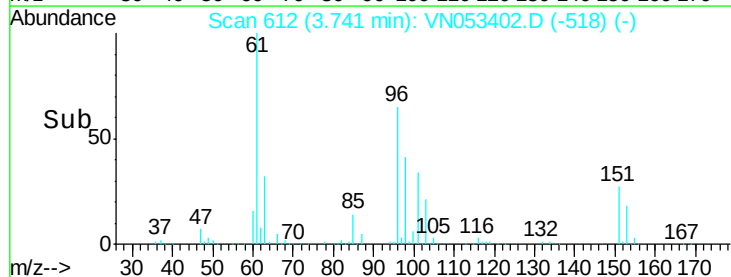
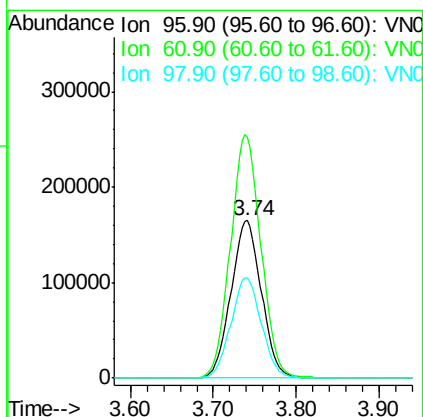
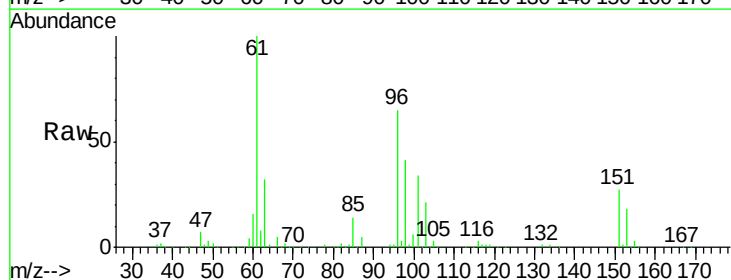
Tot Ion: 59 Resp: 128485
Ion Ratio Lower Upper
59 100
57 9.8 8.0 12.0

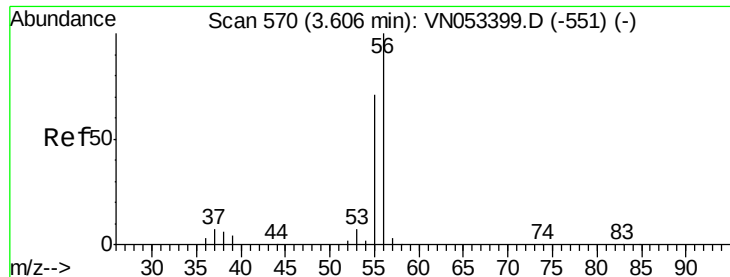


#12

1,1-Dichloroethene
Concen: 49.467 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 96 Resp: 420717
Ion Ratio Lower Upper
96 100
61 153.2 123.2 184.8
98 63.4 50.5 75.7





#13

Acrolein

Concen: 258.703 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

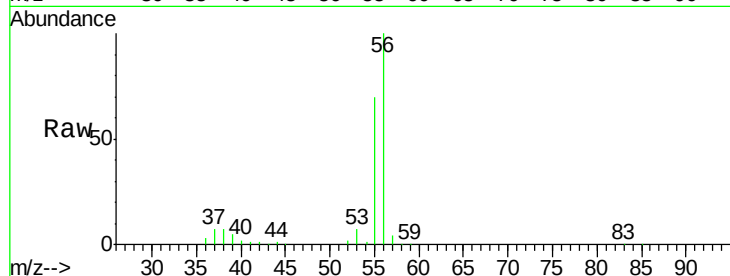
ICVVN011519

Tot Ion: 56 Resp: 234019

Ion Ratio Lower Upper

56 100

55 69.5 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

100000

80000

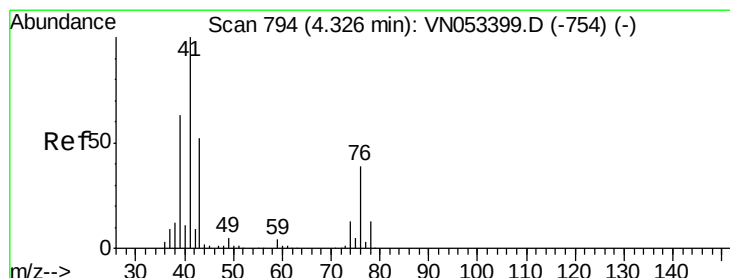
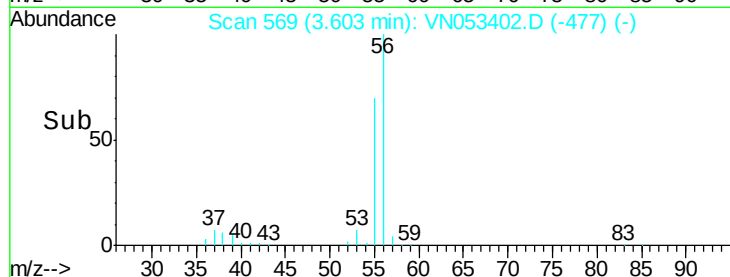
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.727 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

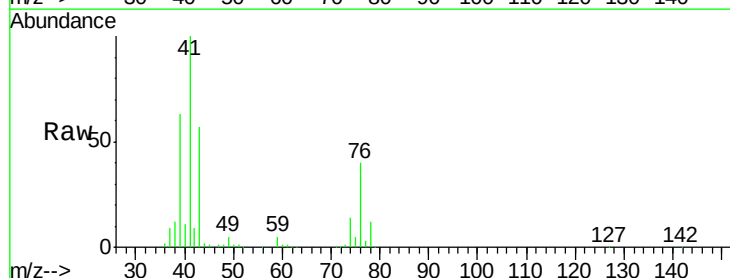
Tgt Ion: 41 Resp: 714602

Ion Ratio Lower Upper

41 100

39 60.2 51.9 77.9

76 36.8 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

300000

250000

200000

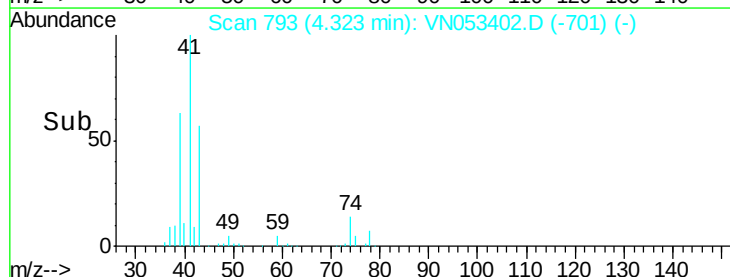
150000

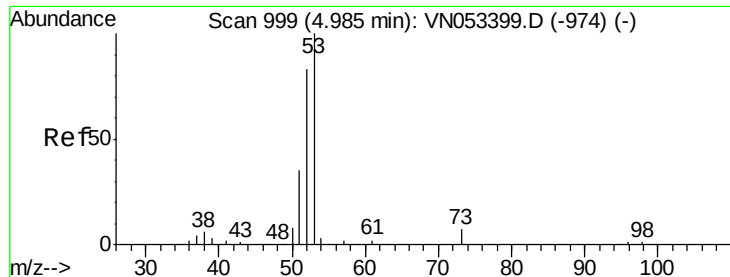
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 268.125 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

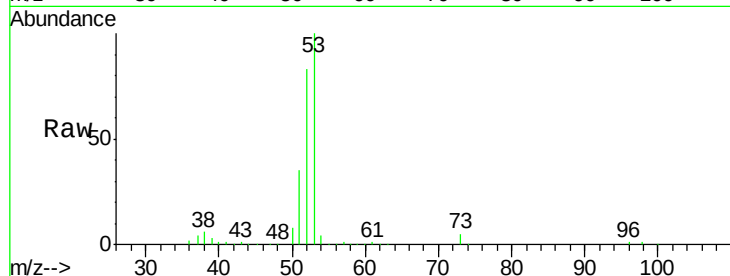
Tot Ion: 53 Resp: 815263

Ion Ratio Lower Upper

53 100

52 82.5 65.2 97.8

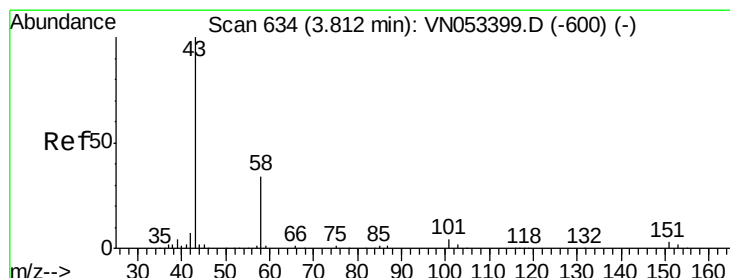
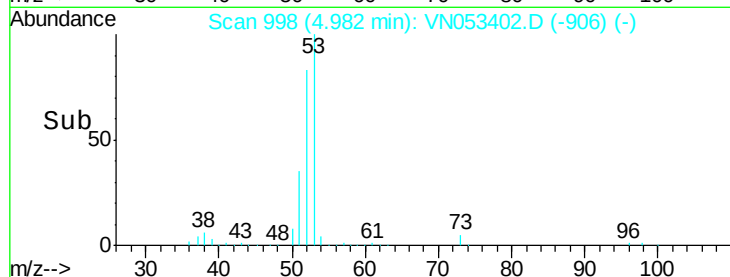
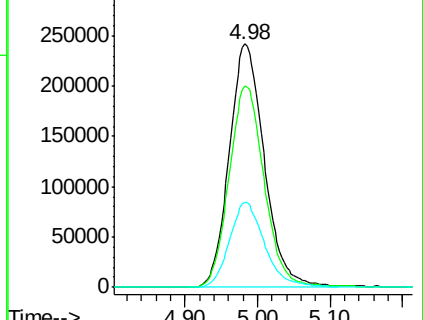
51 35.3 28.0 42.0



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: 249.533 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053402.D

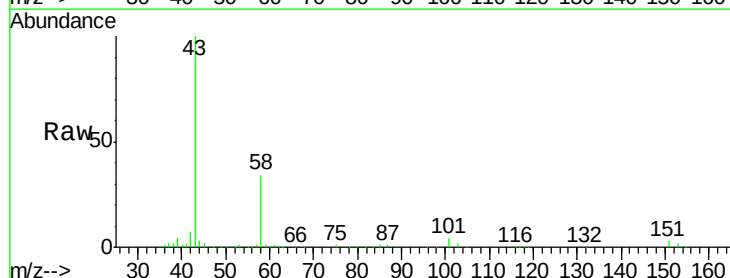
Acq: 15 Jan 2019 12:01

Tgt Ion: 43 Resp: 552786

Ion Ratio Lower Upper

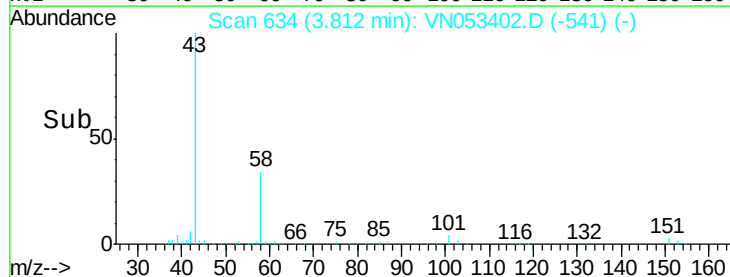
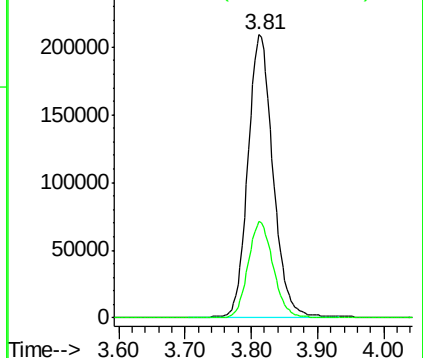
43 100

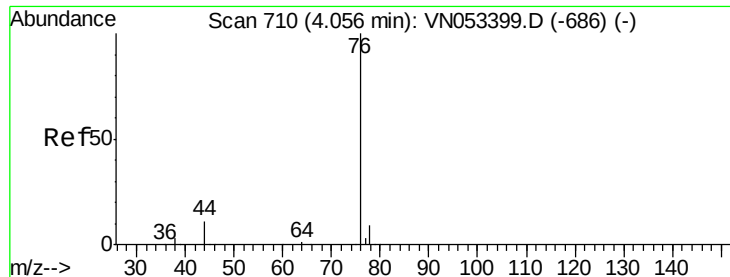
58 34.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 49.871 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

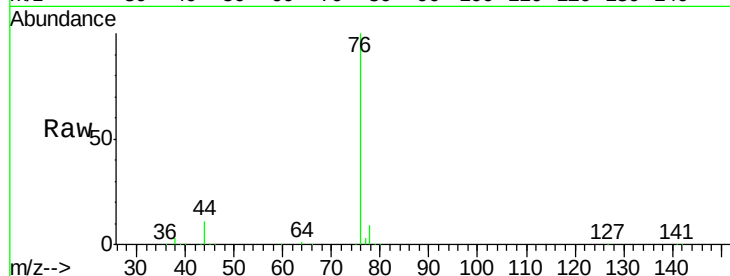
ICVFN011519

Tot Ion: 76 Resp: 1282670

Ion Ratio Lower Upper

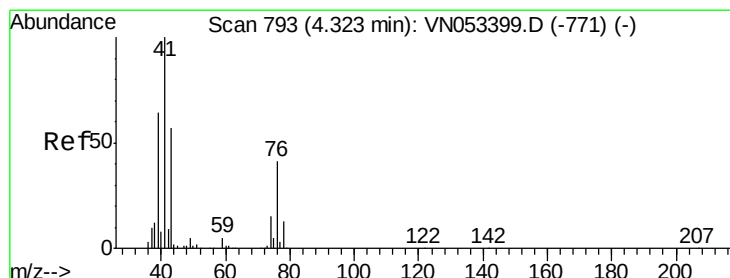
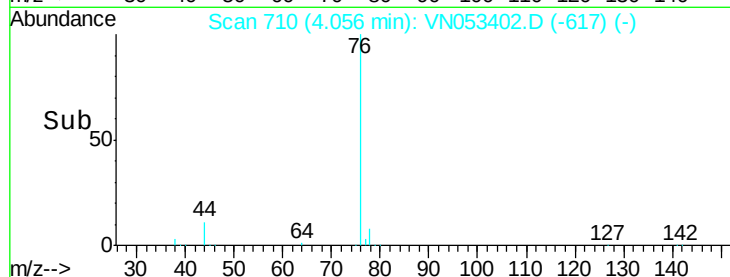
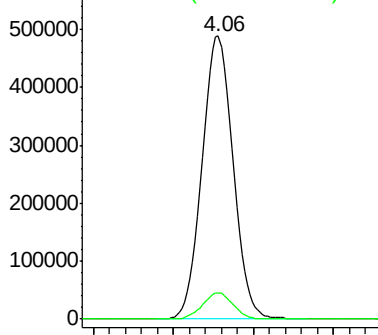
76 100

78 9.2 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 52.067 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053402.D

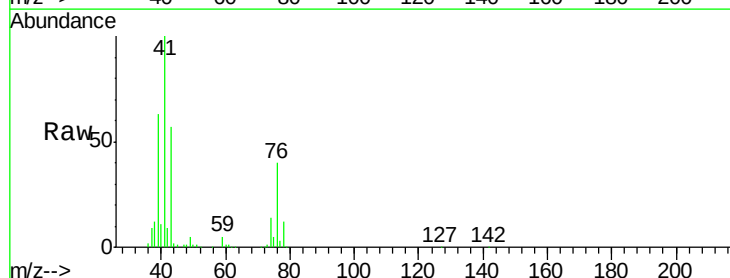
Acq: 15 Jan 2019 12:01

Tgt Ion: 43 Resp: 388611

Ion Ratio Lower Upper

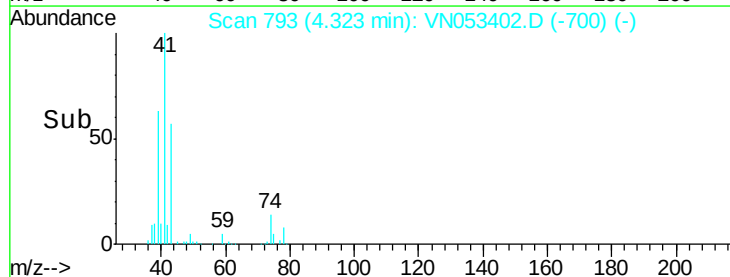
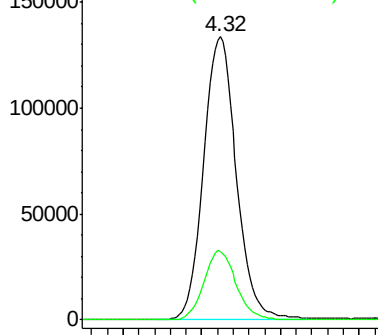
43 100

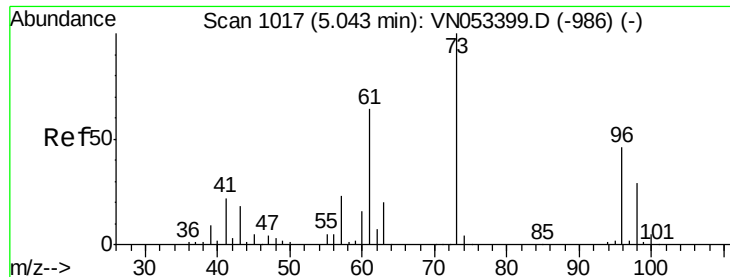
74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

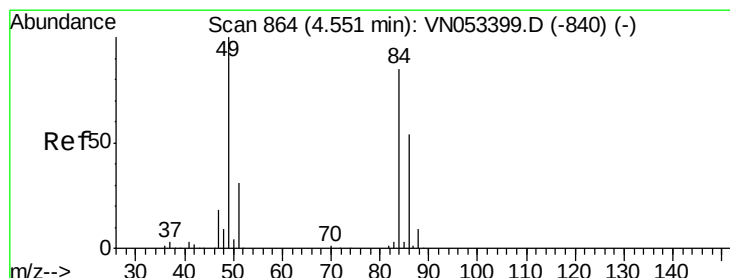
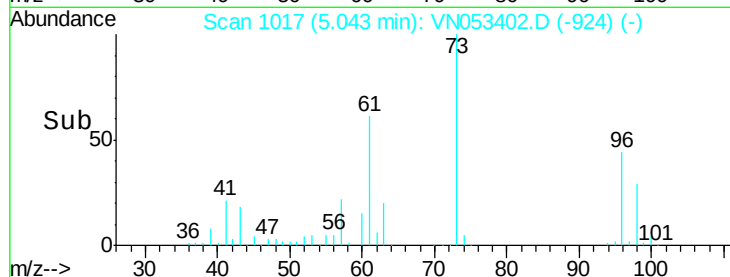
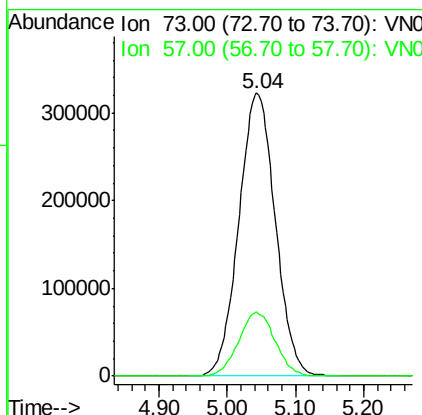
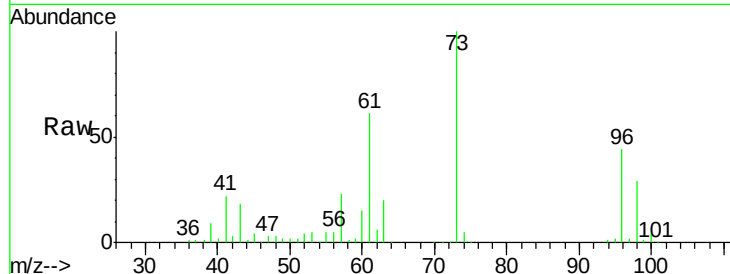




#19
Methyl tert-butyl Ether
Concen: 52.951 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

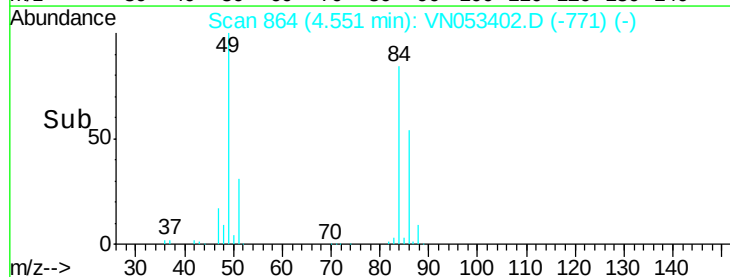
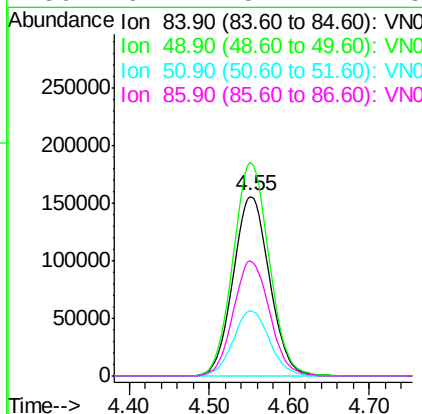
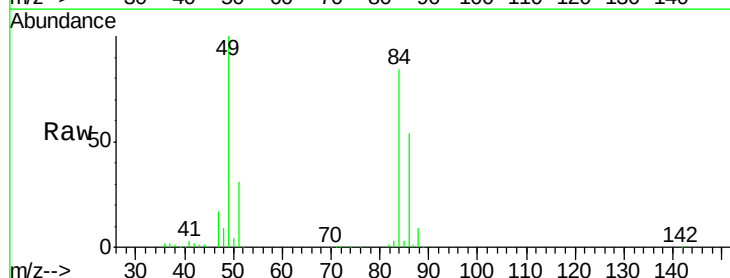
Instrument :
MSVOA_N
ClientSampleId :
ICVVO11519

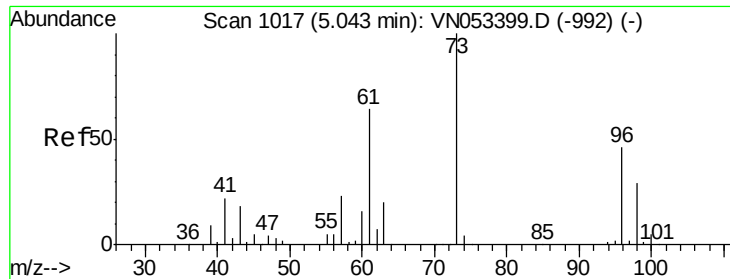
Tot Ion: 73 Resp: 1196602
Ion Ratio Lower Upper
73 100
57 22.6 18.5 27.7



#20
Methylene Chloride
Concen: 47.537 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 84 Resp: 480786
Ion Ratio Lower Upper
84 100
49 118.8 95.3 142.9
51 36.5 29.0 43.6
86 64.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 50.237 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

ICVVN011519

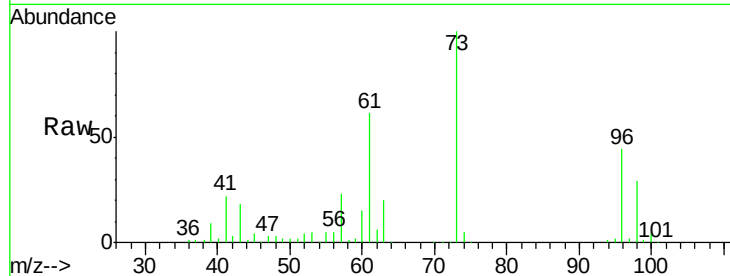
Tot Ion: 96 Resp: 456797

Ion Ratio Lower Upper

96 100

61 137.6 110.2 165.4

98 64.7 50.7 76.1

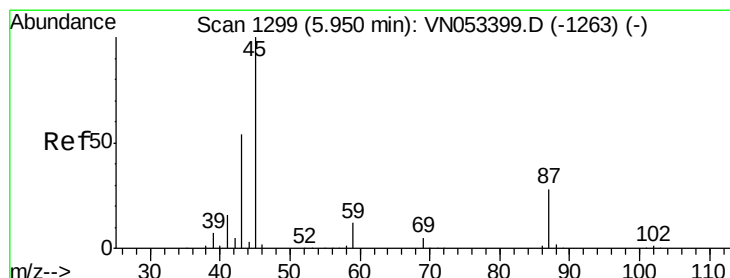
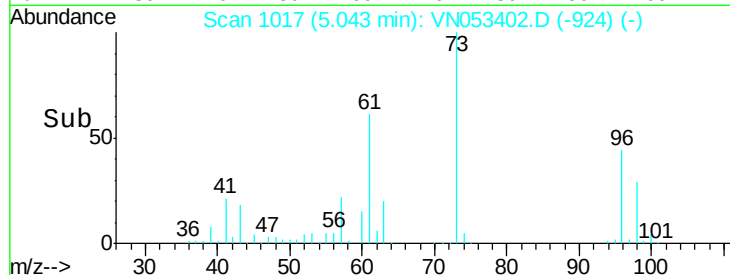
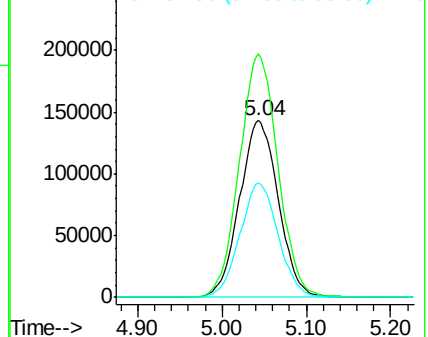


Abundance

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: 50.673 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion: 45 Resp: 1461400

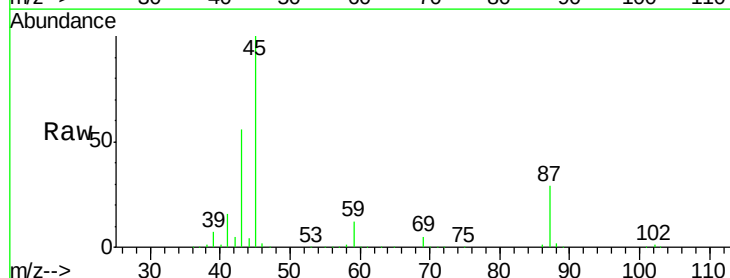
Ion Ratio Lower Upper

45 100

43 55.9 43.0 64.6

87 29.0 22.1 33.1

59 12.2 9.0 13.4



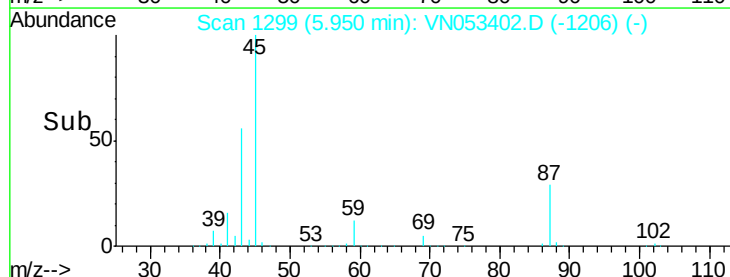
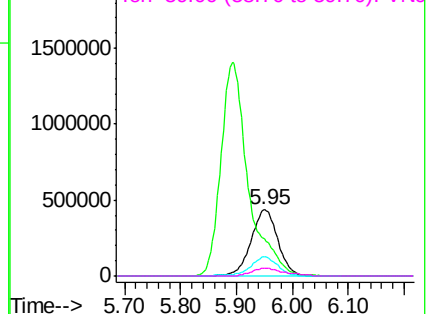
Abundance

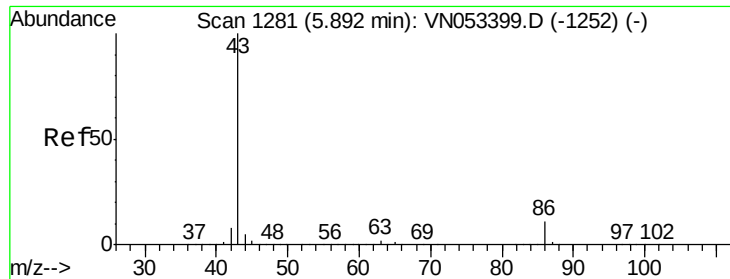
Ion 45.00 (44.70 to 45.70): VN0

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: 271.392 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

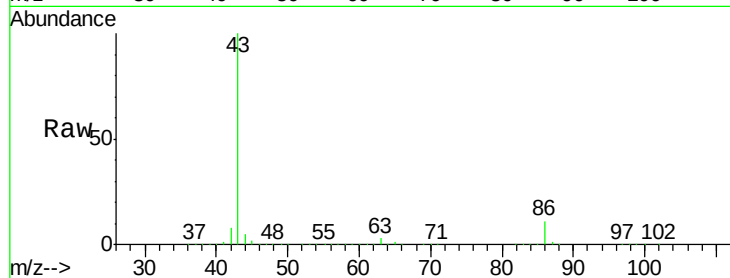
ICVVN011519

Tot Ion: 43 Resp: 4811336

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

1500000

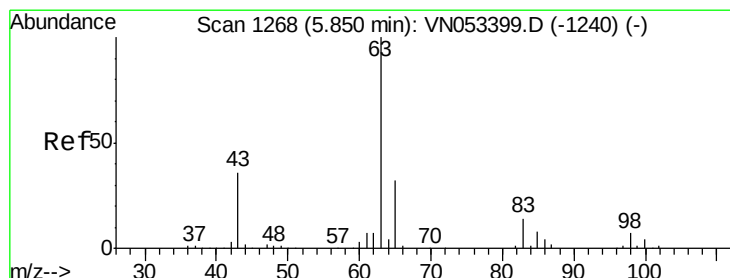
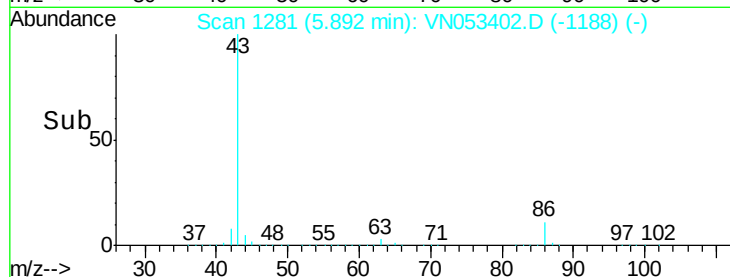
1000000

500000

0

Time-->

5.80 5.85 5.90 6.00



#24

1,1-Dichloroethane

Concen: 49.263 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

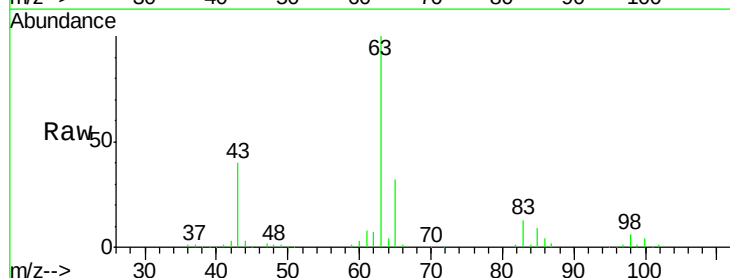
Tgt Ion: 63 Resp: 839892

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

300000

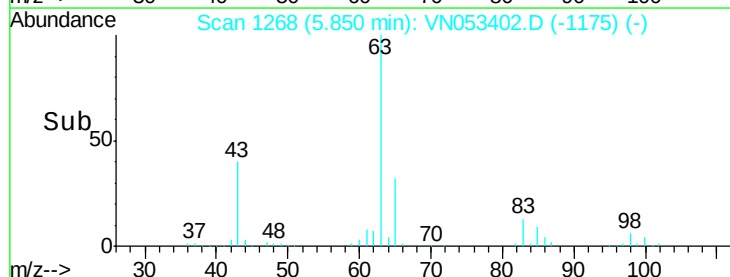
200000

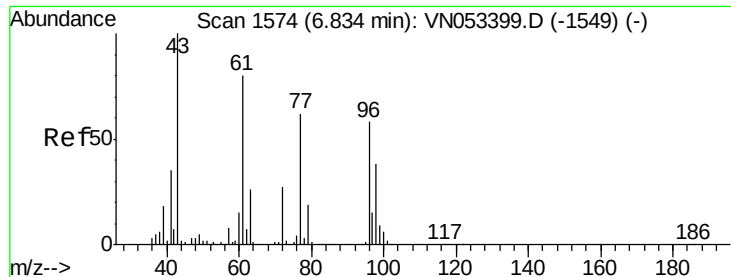
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 273.727 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

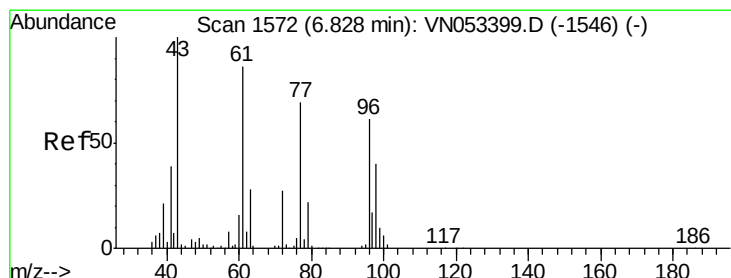
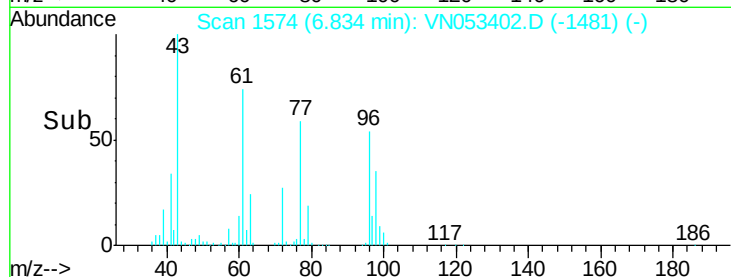
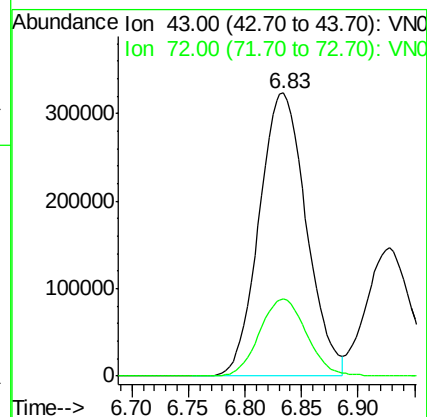
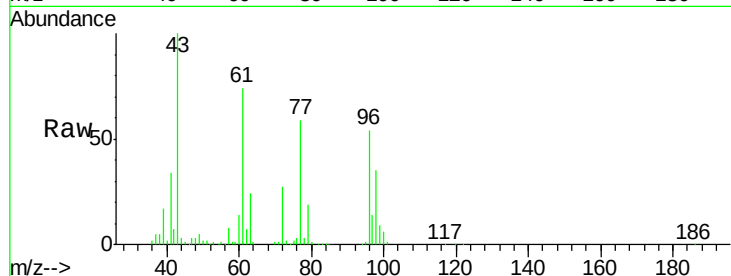
ICVFN011519

Tot Ion: 43 Resp: 934443

Ion Ratio Lower Upper

43 100

72 27.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 51.099 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053402.D

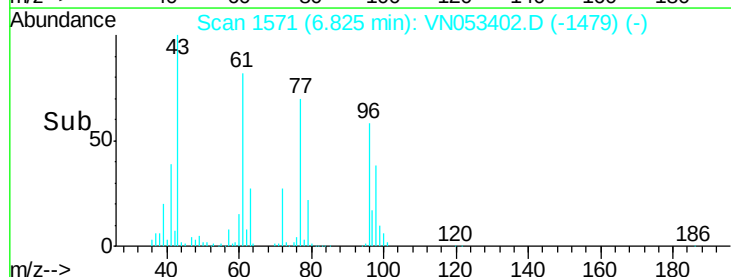
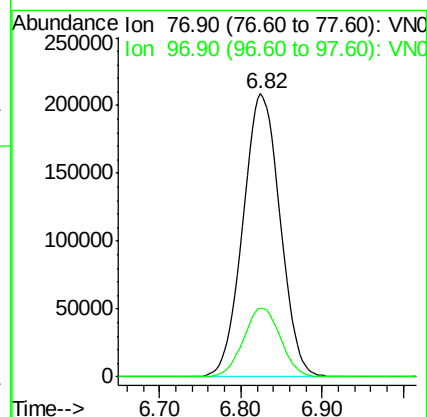
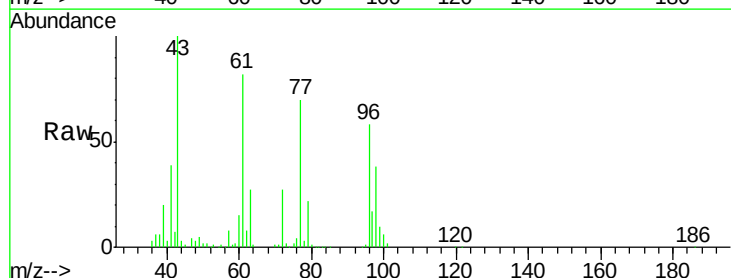
Acq: 15 Jan 2019 12:01

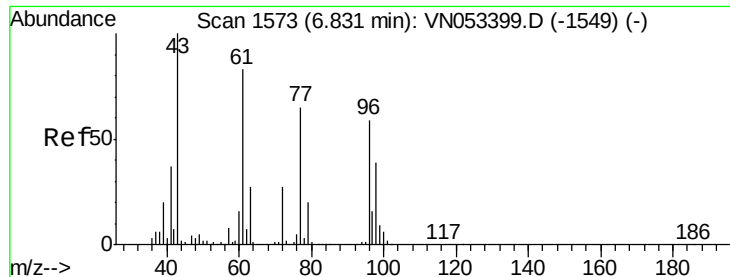
Tgt Ion: 77 Resp: 657769

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.390 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

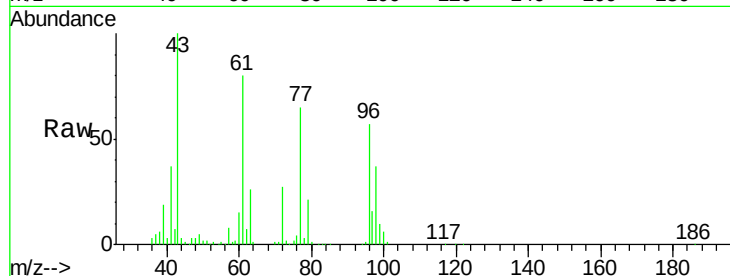
Tot Ion: 96 Resp: 523928

Ion Ratio Lower Upper

96 100

61 141.3 0.0 280.6

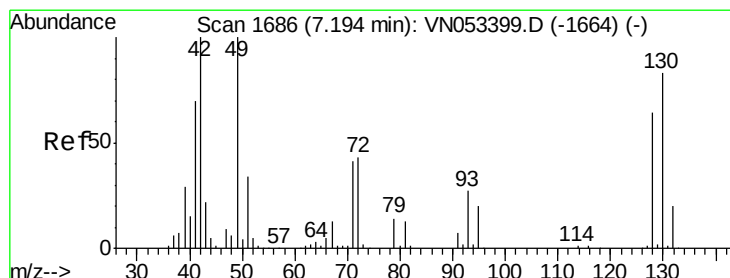
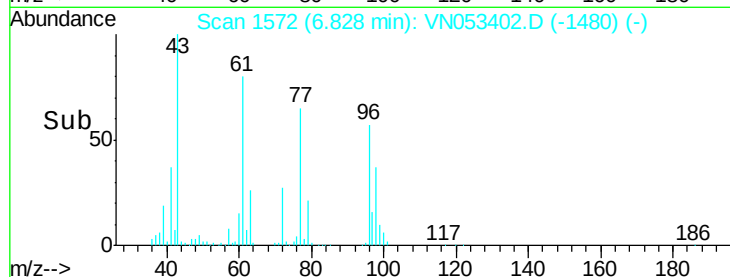
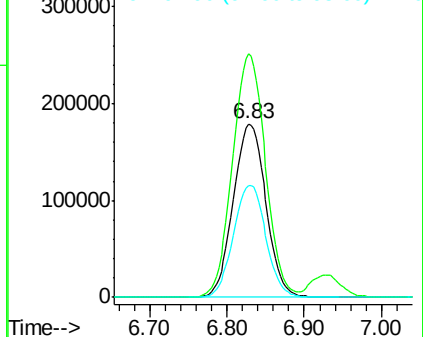
98 64.5 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.668 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

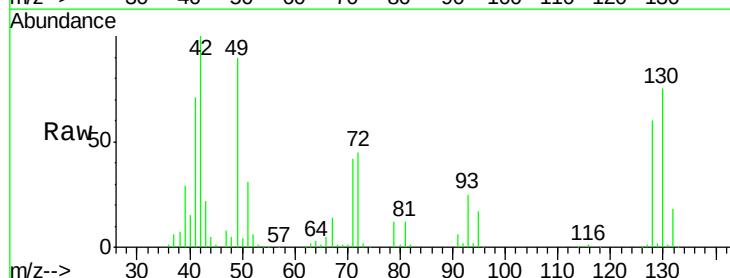
Tgt Ion: 49 Resp: 373052

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

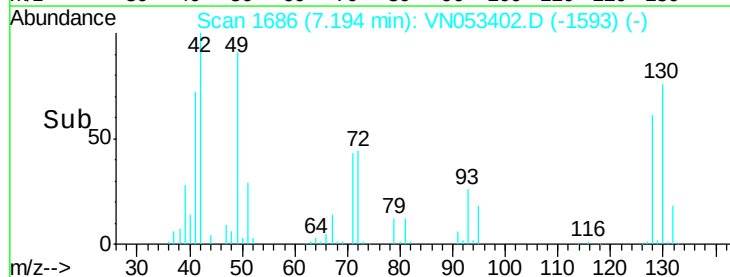
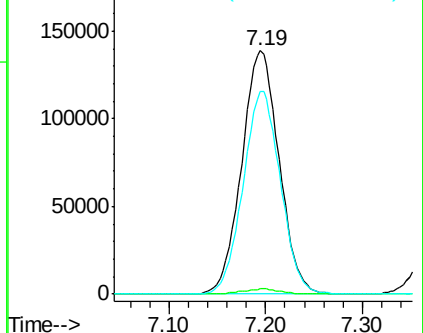
130 83.3 65.4 98.0

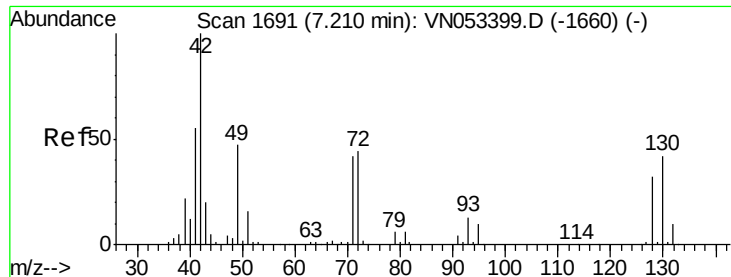


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

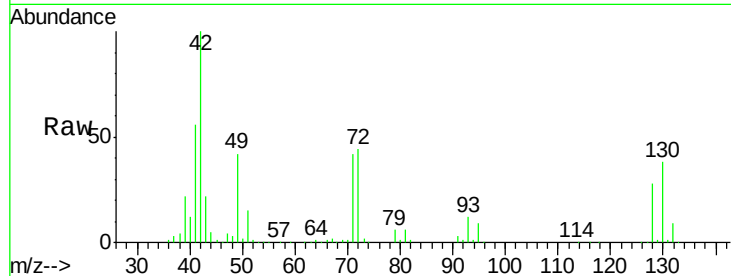




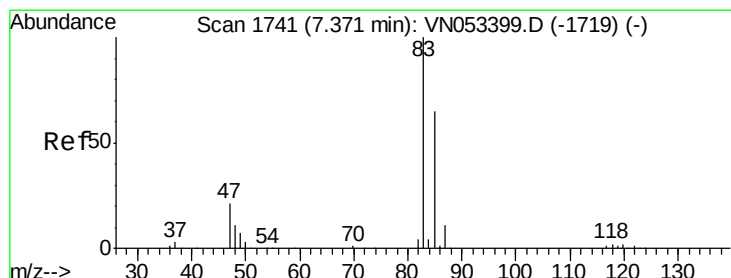
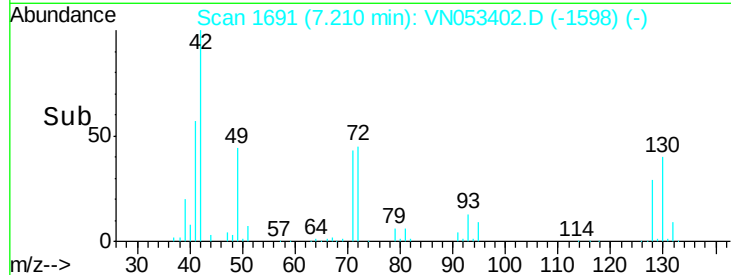
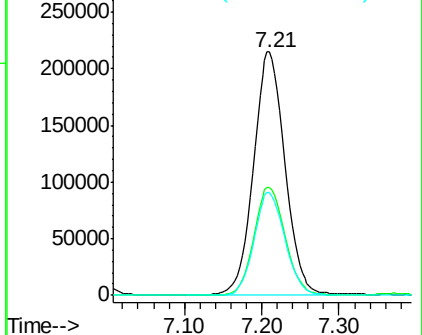
#29
Tetrahydrofuran
Concen: 273.836 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion: 42 Resp: 608568
Ion Ratio Lower Upper
42 100
72 44.1 35.6 53.4
71 41.7 33.8 50.8

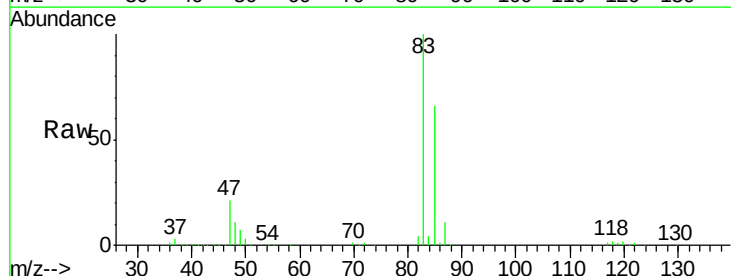


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

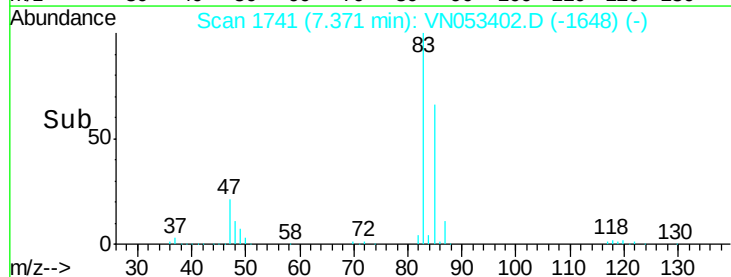
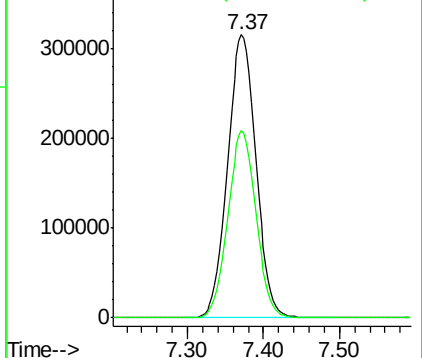


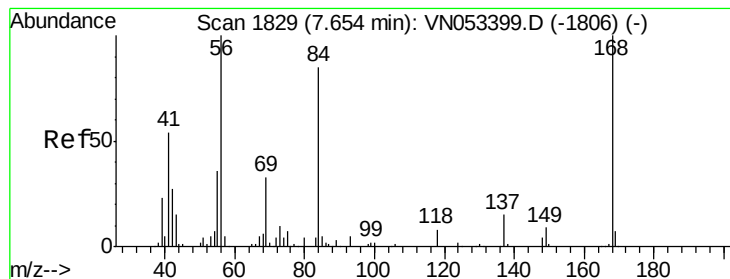
#30
Chloroform
Concen: 49.365 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 83 Resp: 820007
Ion Ratio Lower Upper
83 100
85 66.2 51.3 76.9



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





#31

Cyclohexane

Concen: 49.736 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

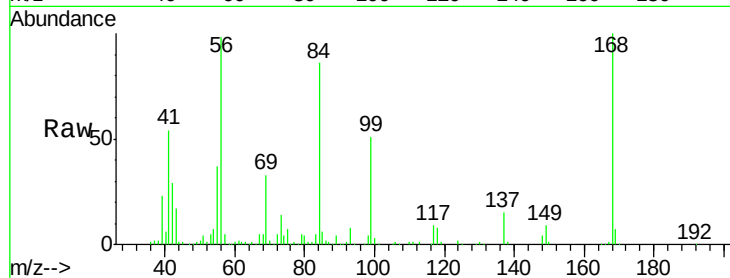
Tot Ion: 56 Resp: 825234

Ion Ratio Lower Upper

56 100

69 33.2 26.7 40.1

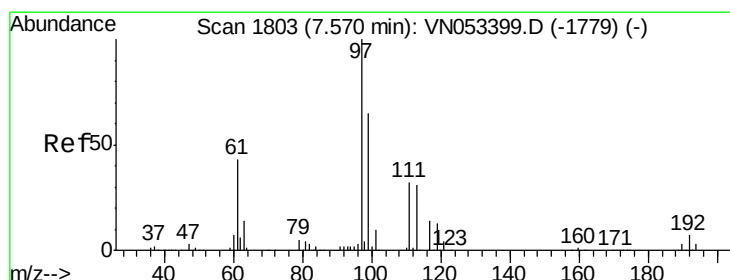
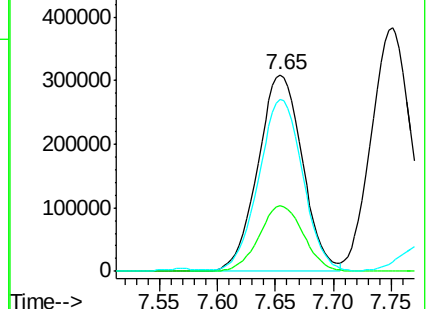
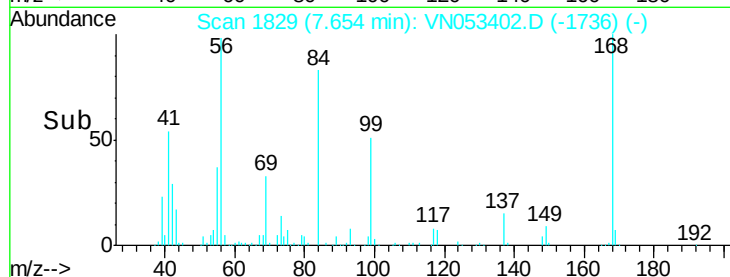
84 86.2 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.868 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

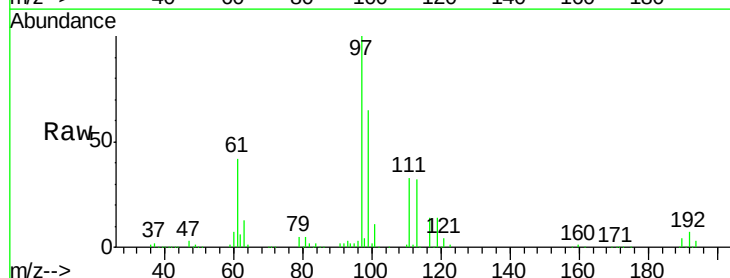
Tgt Ion: 97 Resp: 702693

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

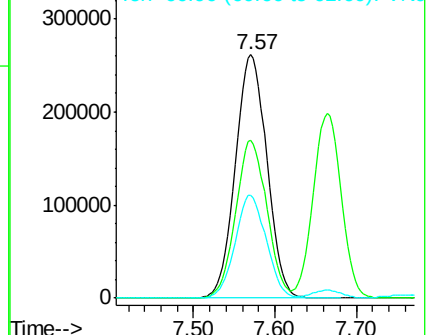
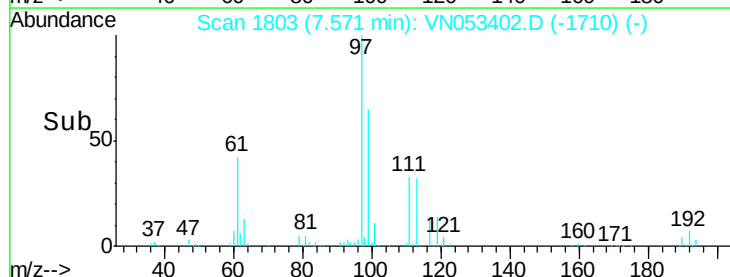
61 41.7 34.6 52.0

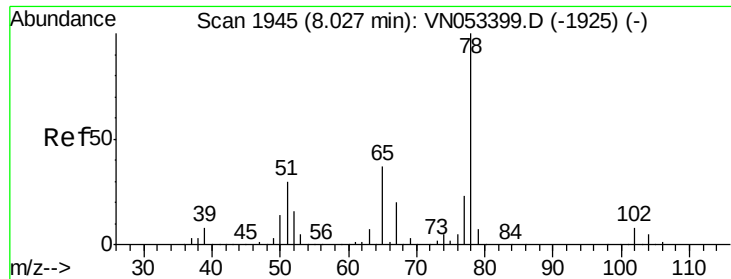


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

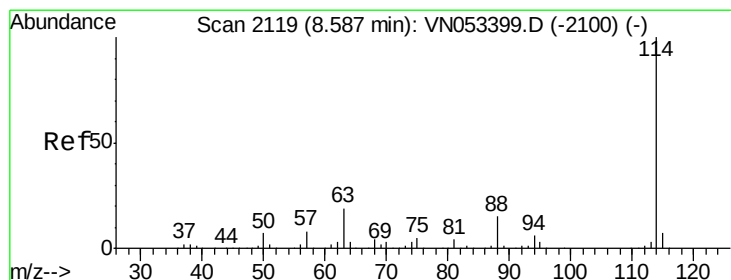
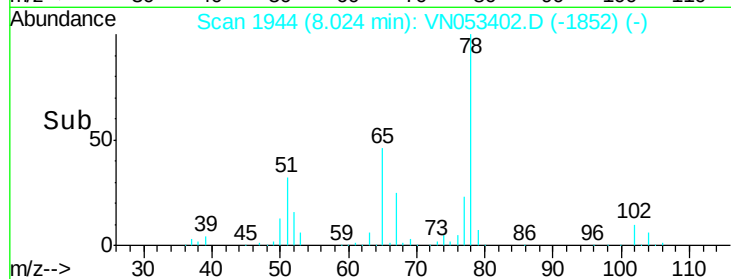
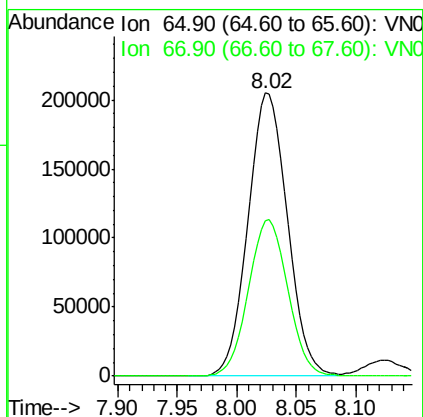
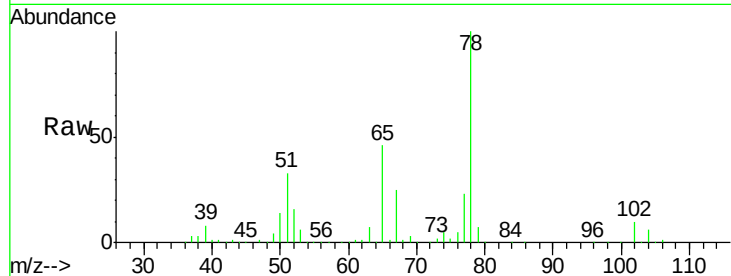




#33
 1,2-Dichloroethane-d4
 Concen: 49.868 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

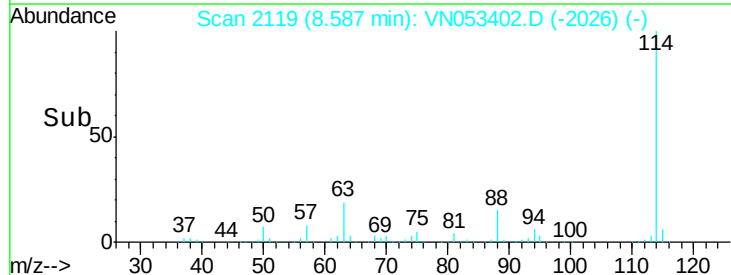
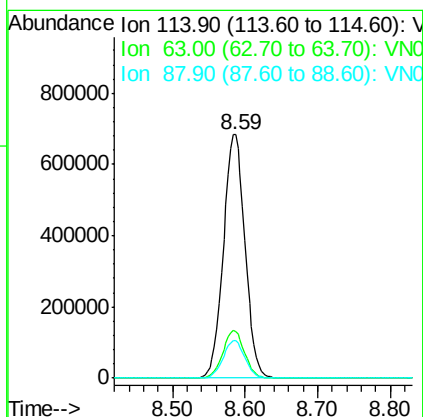
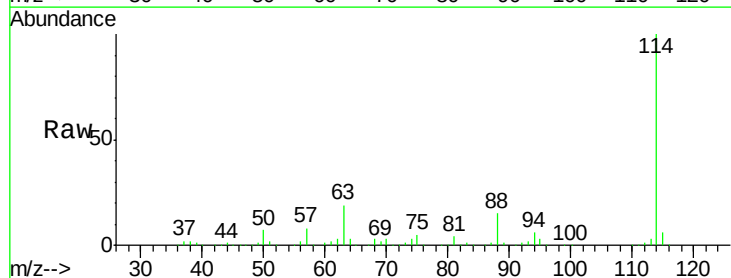
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

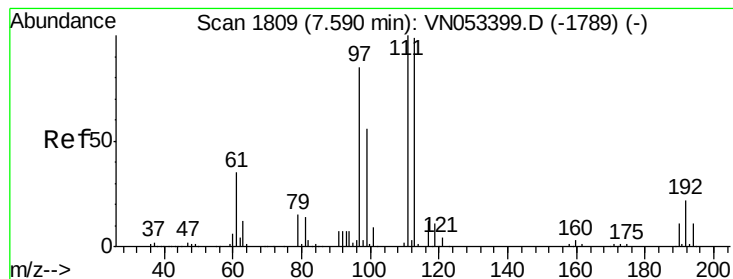
Tot Ion: 65 Resp: 471735
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 114 Resp: 1410090
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

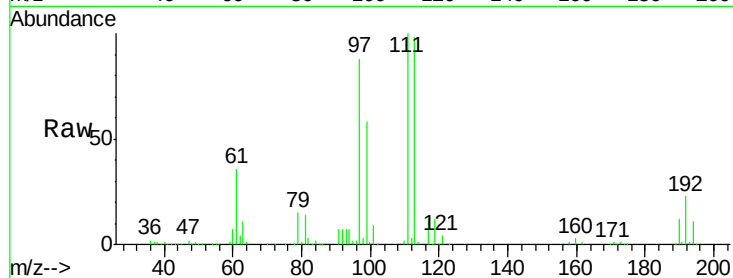
Tot Ion:113 Resp: 416814

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

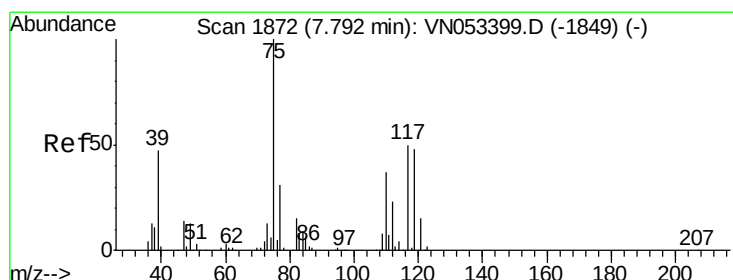
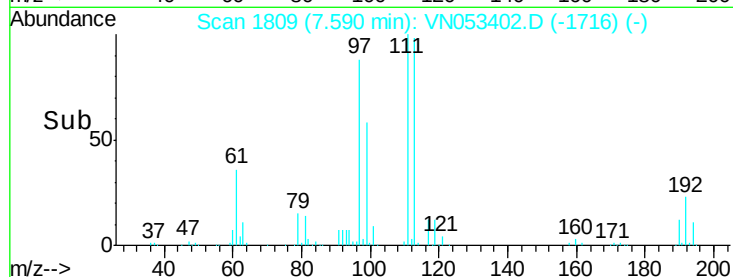
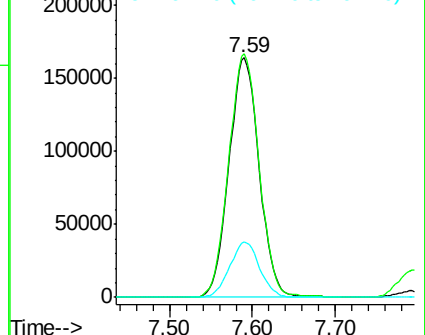
192 22.8 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.324 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

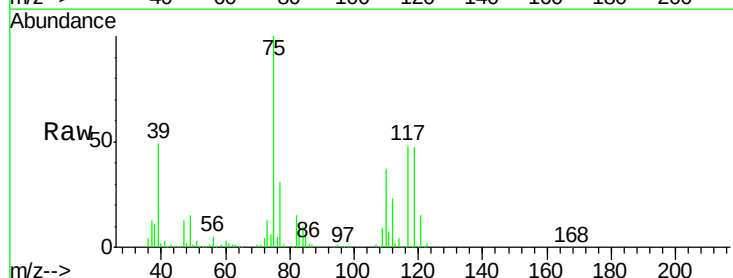
Tgt Ion: 75 Resp: 659100

Ion Ratio Lower Upper

75 100

110 36.9 18.4 55.0

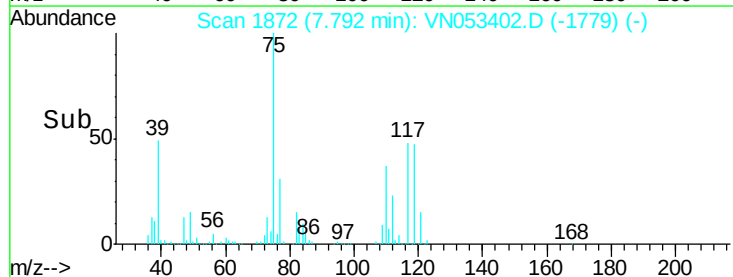
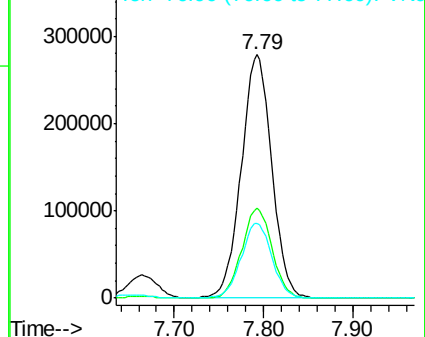
77 31.2 25.3 37.9

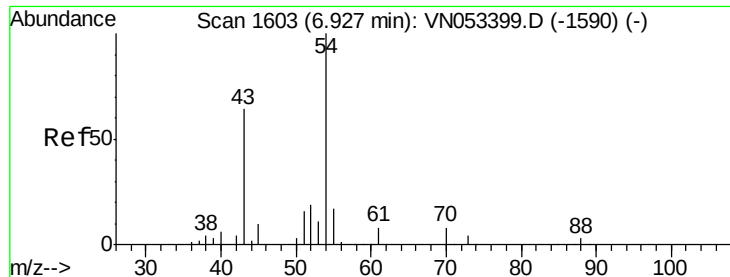


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

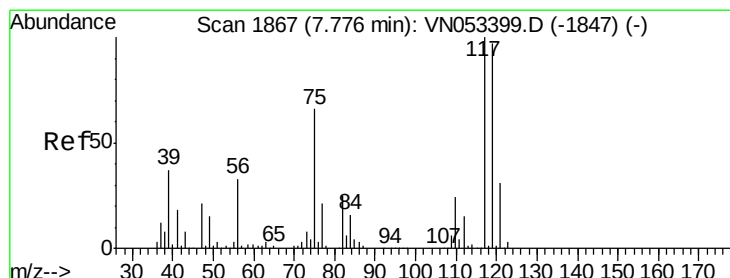
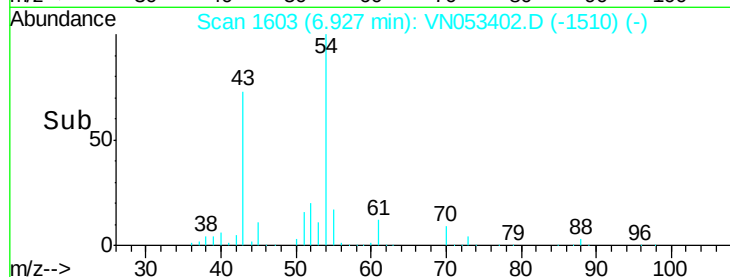
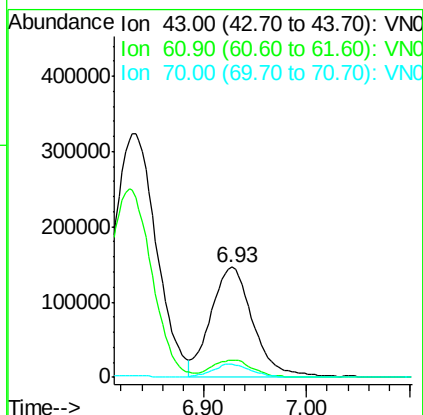
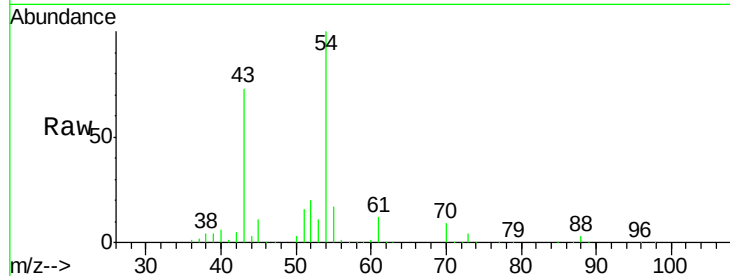




#37
Ethyl Acetate
Concen: 55.212 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

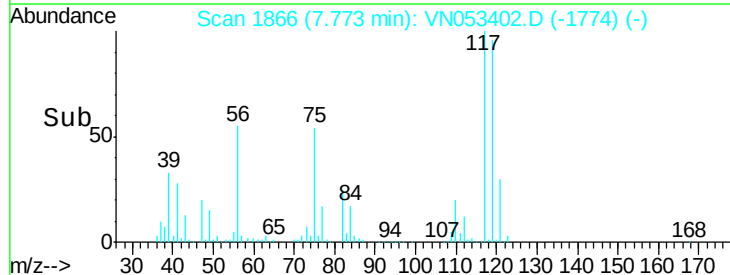
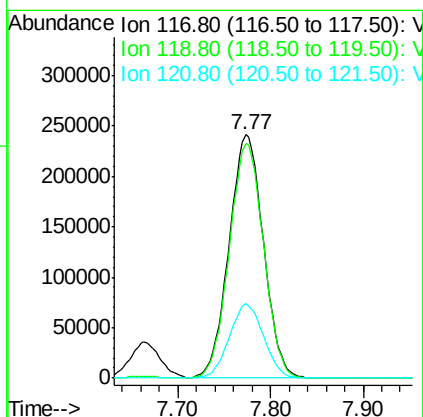
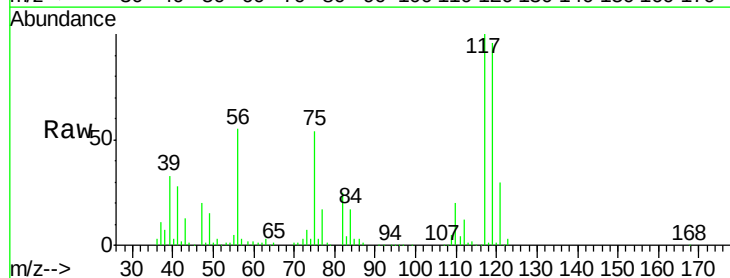
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

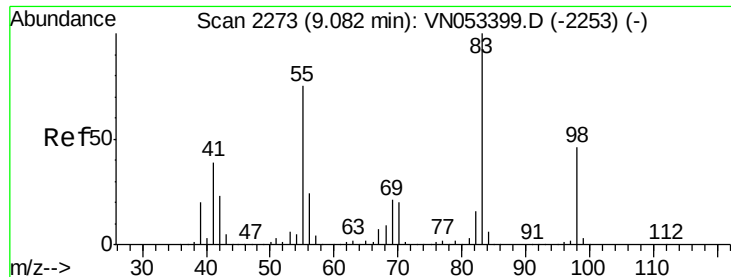
Tot Ion: 43 Resp: 411307
Ion Ratio Lower Upper
43 100
61 15.5 11.9 17.9
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.868 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 117 Resp: 618447
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0
121 30.5 25.0 37.4

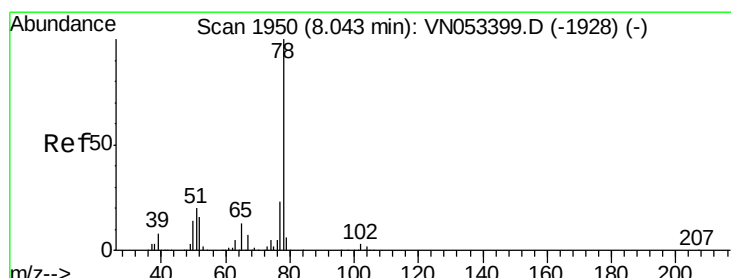
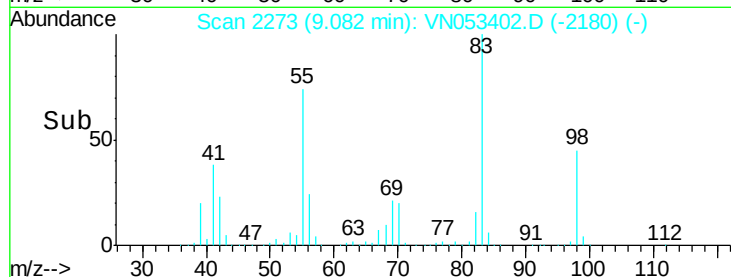
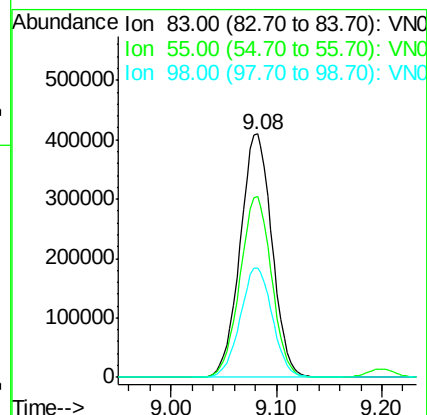
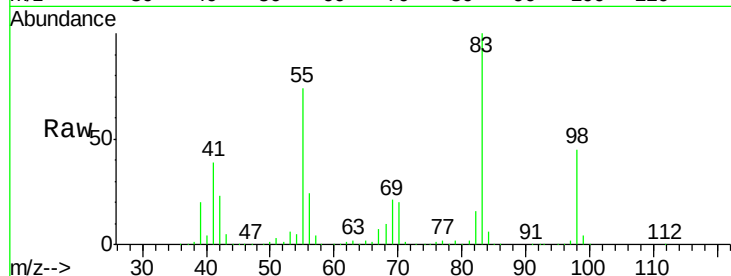




#39
Methylvlcyclohexane
Concen: 54.075 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

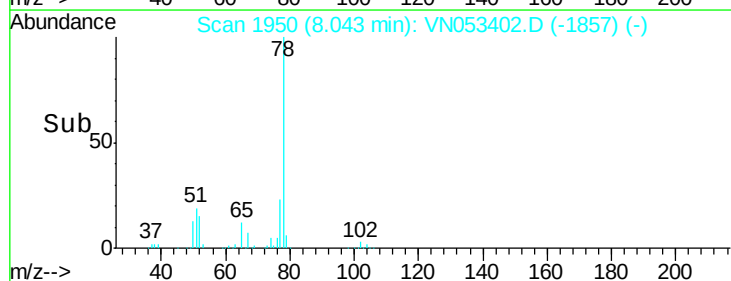
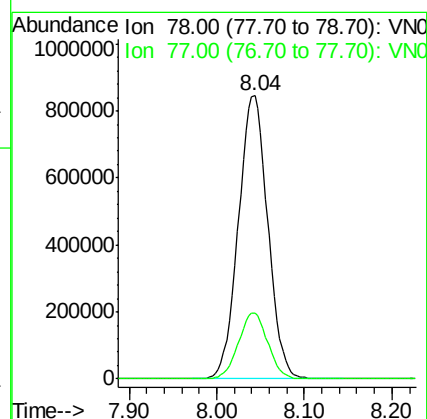
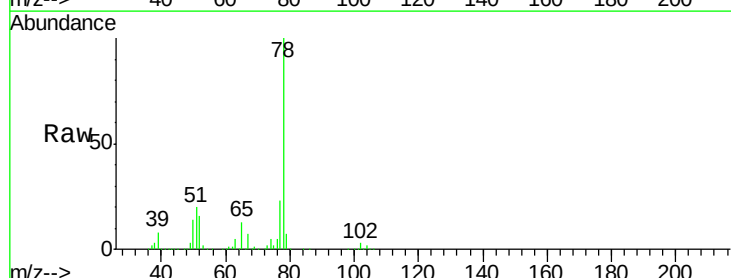
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

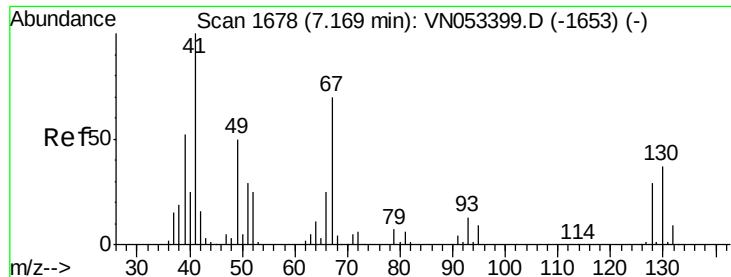
Tot Ion: 83 Resp: 858300
Ion Ratio Lower Upper
83 100
55 74.4 60.1 90.1
98 45.0 36.7 55.1



#40
Benzene
Concen: 50.510 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 78 Resp: 1971113
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 44.799 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 41 Resp: 206371

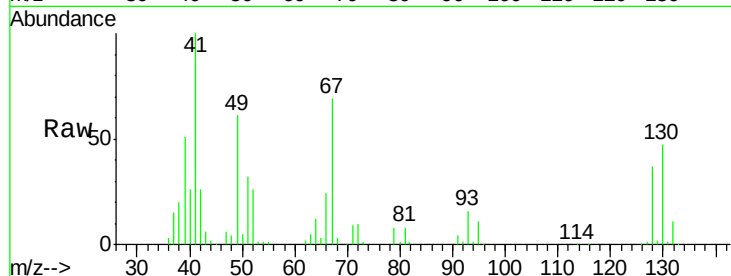
Ion Ratio Lower Upper

41 100

39 68.4 0.0 0.0#

67 94.1 0.0 0.0#

52 36.0 0.0 0.0#

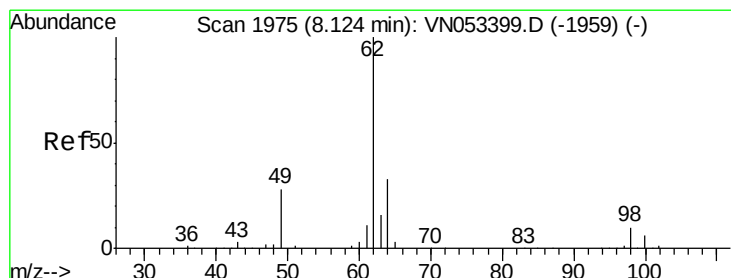
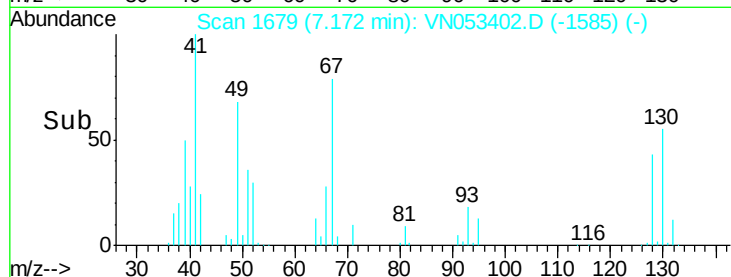
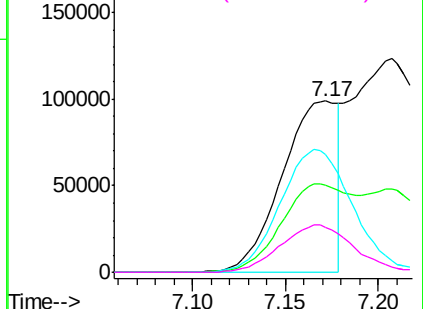


Abundance Ion 41.00 (40.70 to 41.70): VNC

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: 50.831 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053402.D

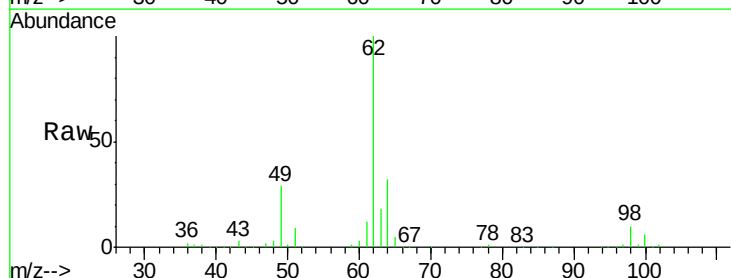
Acq: 15 Jan 2019 12:01

Tgt Ion: 62 Resp: 577890

Ion Ratio Lower Upper

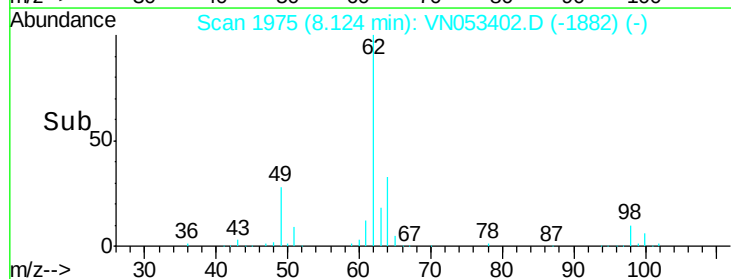
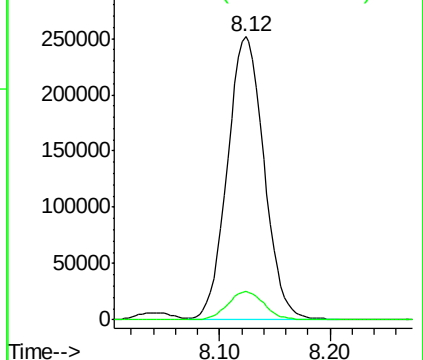
62 100

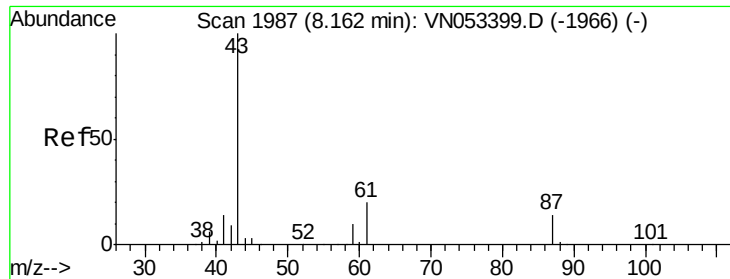
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 54.198 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

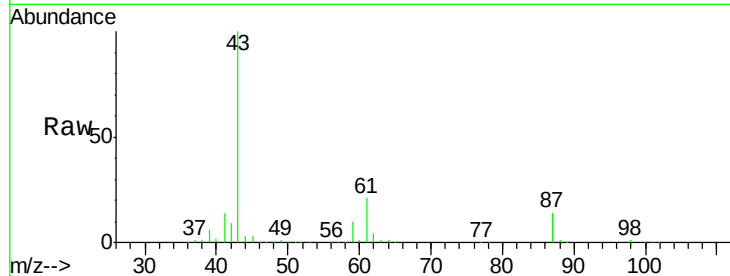
Tot Ion: 43 Resp: 751843

Ion Ratio Lower Upper

43 100

61 29.2 23.3 34.9

87 13.5 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

8.16

400000

300000

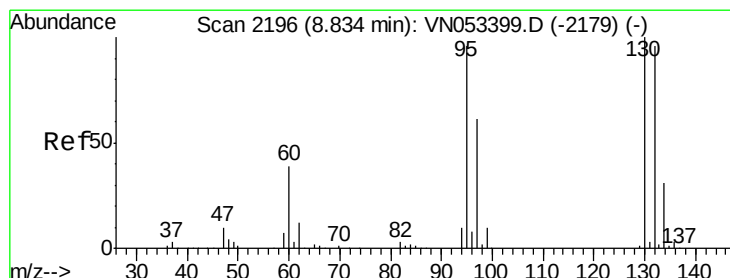
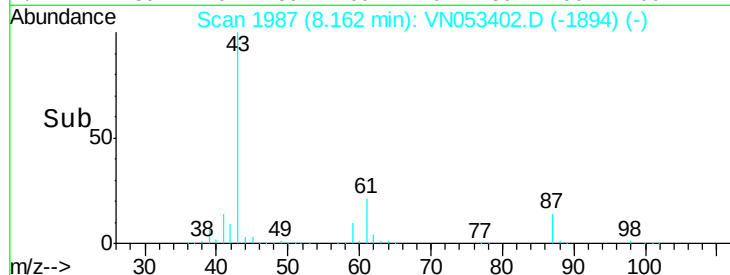
200000

100000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 50.627 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053402.D

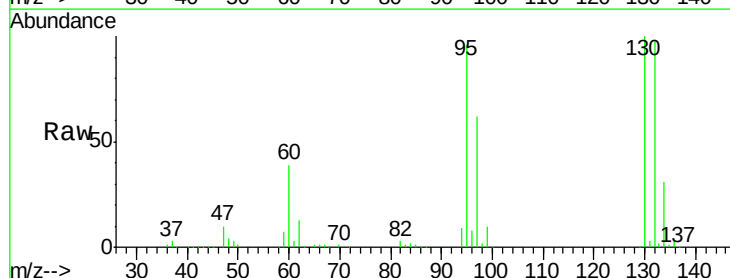
Acq: 15 Jan 2019 12:01

Tgt Ion: 130 Resp: 547887

Ion Ratio Lower Upper

130 100

95 95.6 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

8.83

300000

250000

200000

150000

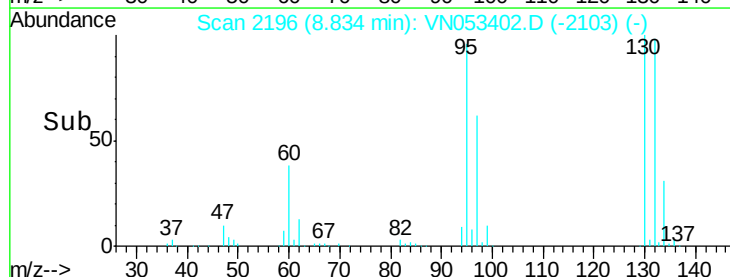
100000

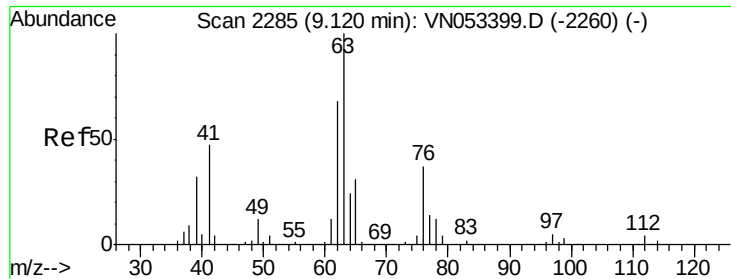
50000

0

8.80 8.90

Time-->

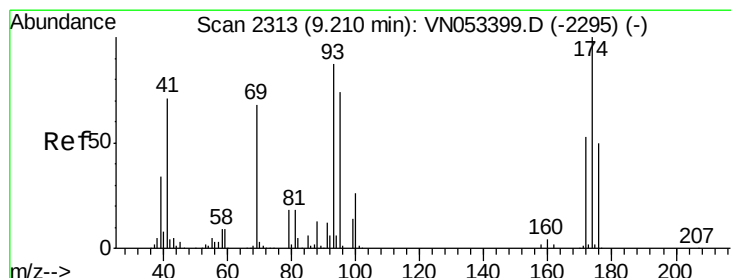
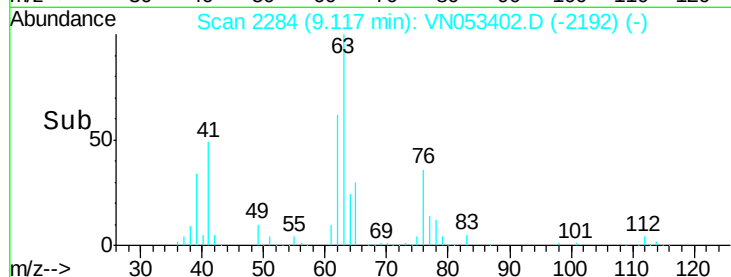
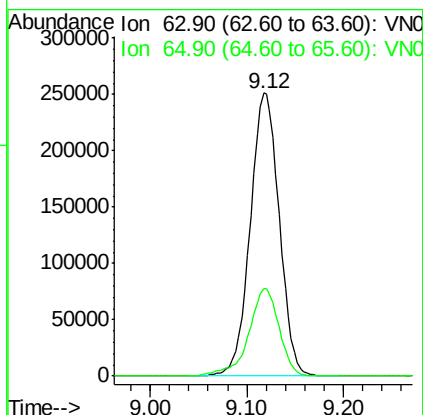
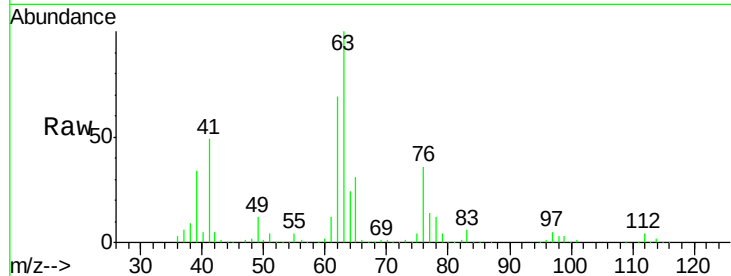




#45
 1,2-Dichloropropane
 Concen: 50.604 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

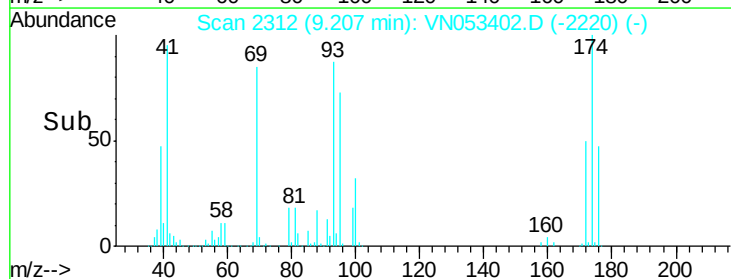
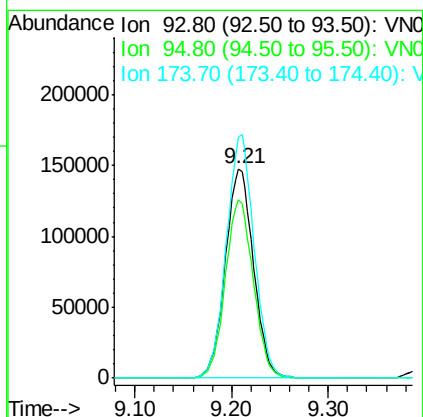
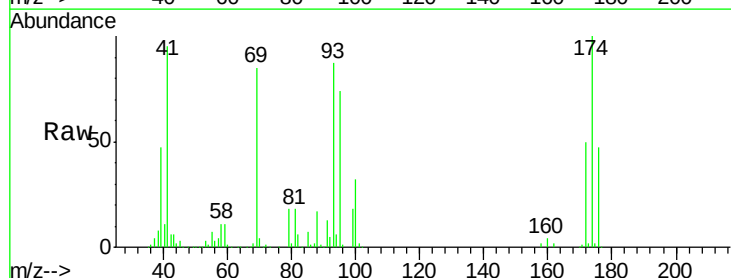
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN011519

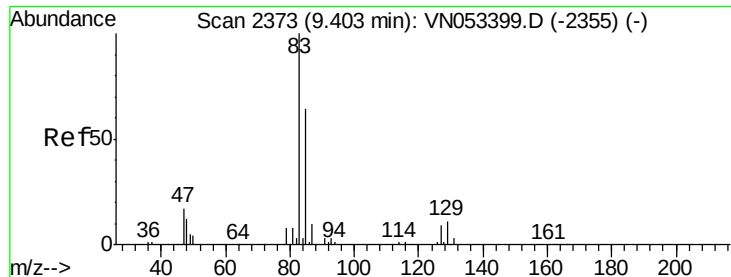
Tot Ion: 63 Resp: 523054
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 50.334 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 93 Resp: 298910
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.6 100.0
 174 114.8 91.4 137.0

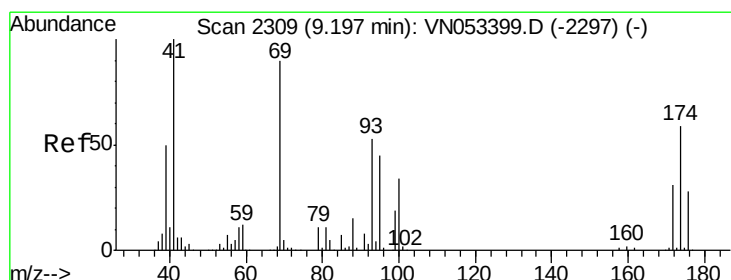
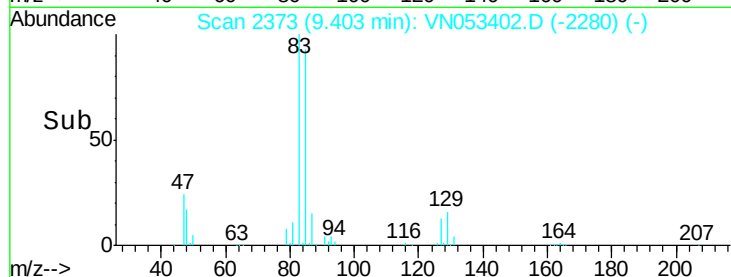
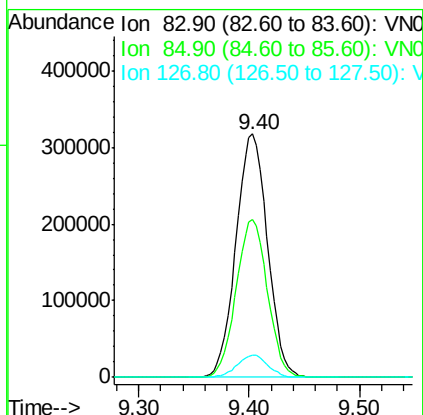
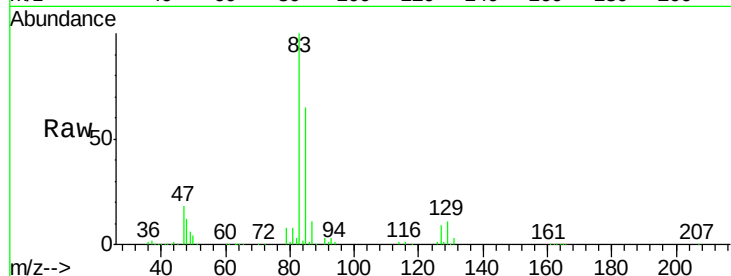




#47
Bromodichloromethane
Concen: 50.328 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

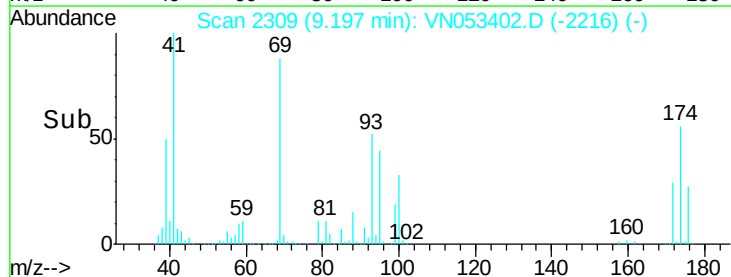
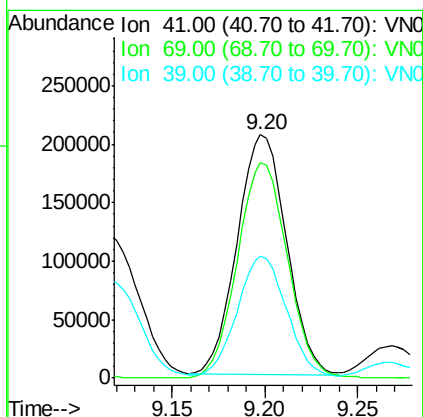
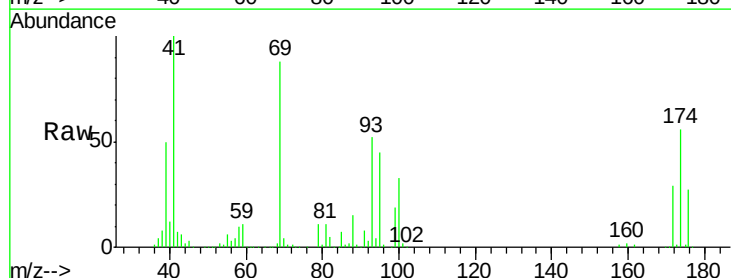
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

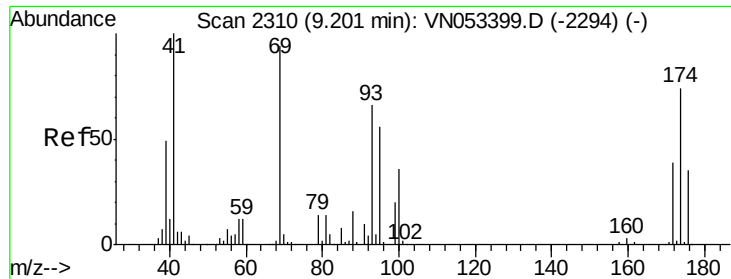
Tot Ion: 83 Resp: 628537
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 55.254 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 41 Resp: 379007
Ion Ratio Lower Upper
41 100
69 91.8 73.5 110.3
39 51.5 41.6 62.4





#49

1,4-Dioxane

Concen: 996.636 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

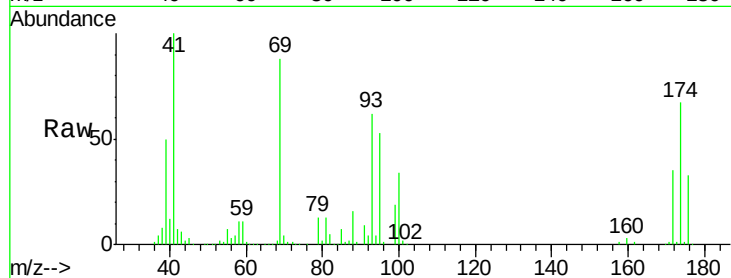
Tot Ion: 88 Resp: 66765

Ion Ratio Lower Upper

88 100

43 33.7 26.2 39.4

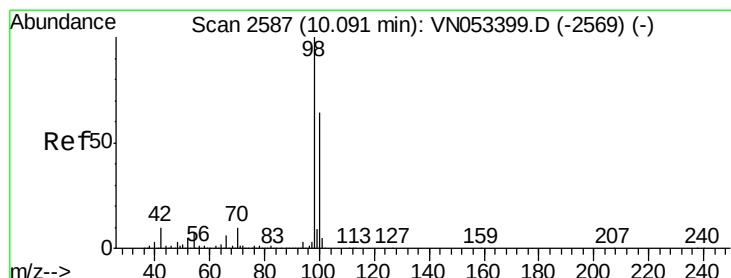
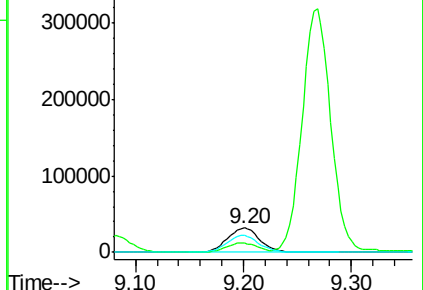
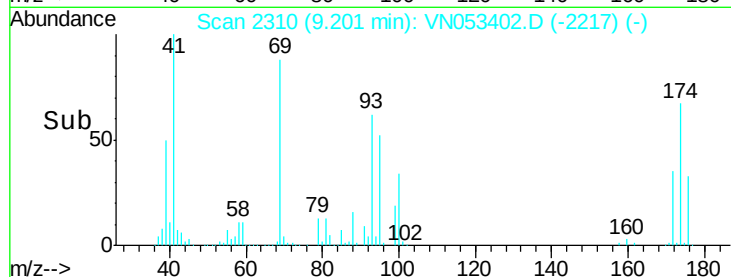
58 68.6 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 996.636 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053402.D

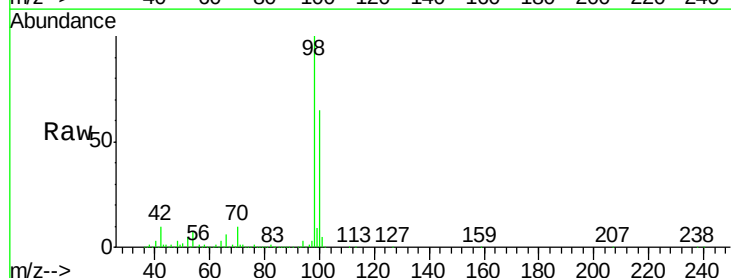
Acq: 15 Jan 2019 12:01

Tgt Ion: 98 Resp: 1724121

Ion Ratio Lower Upper

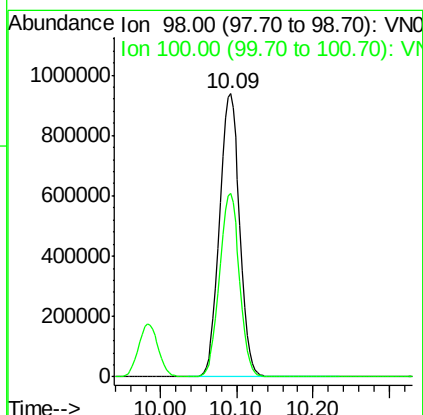
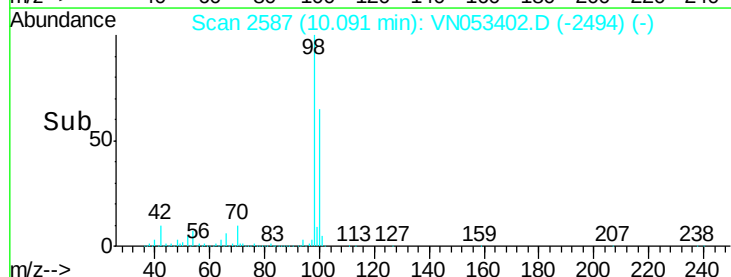
98 100

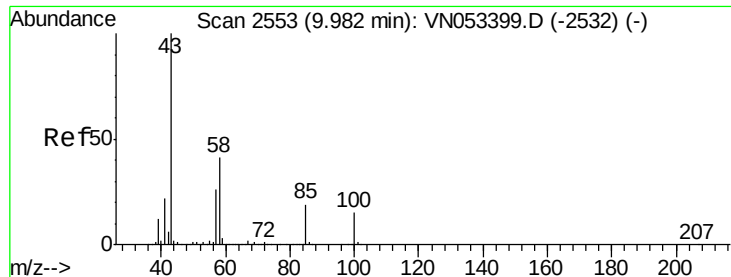
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 282.967 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

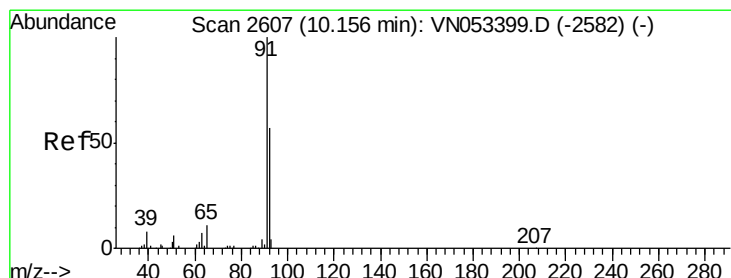
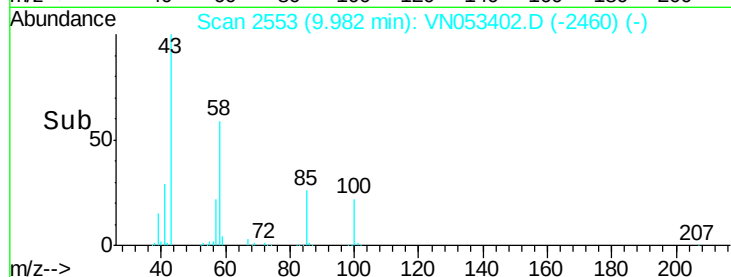
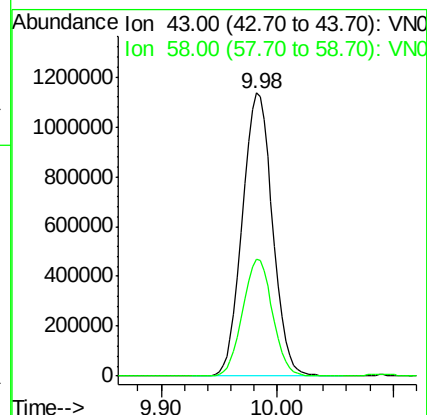
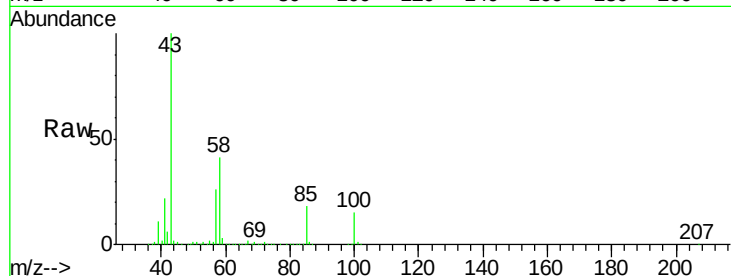
ICVVN011519

Tot Ion: 43 Resp: 2052140

Ion Ratio Lower Upper

43 100

58 41.0 32.7 49.1



#52

Toluene

Concen: 50.664 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053402.D

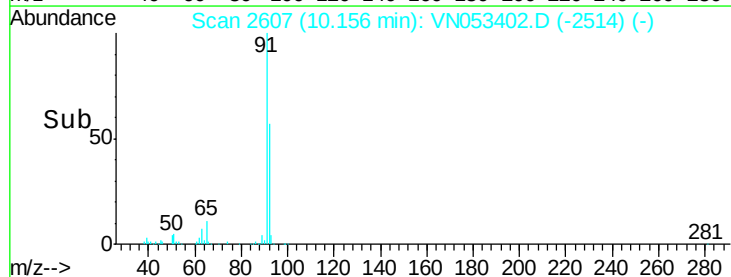
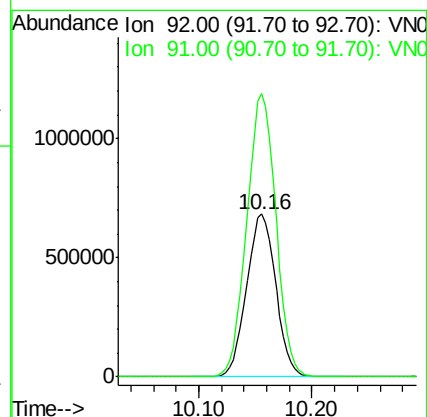
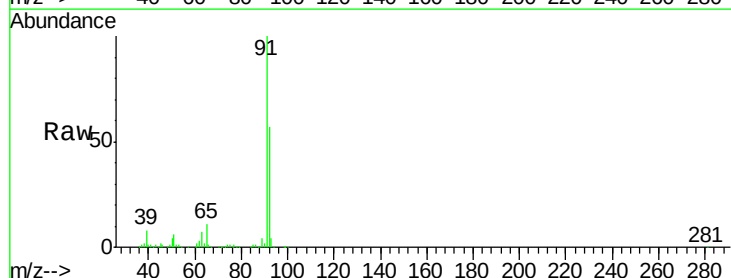
Acq: 15 Jan 2019 12:01

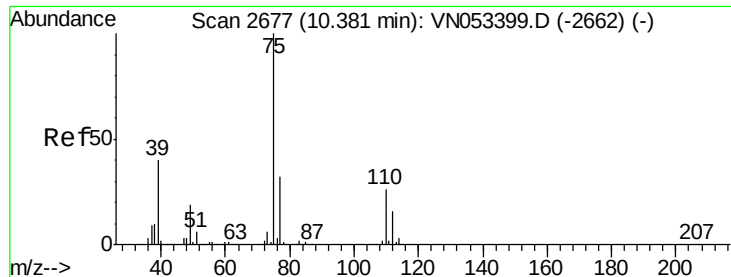
Tgt Ion: 92 Resp: 1227429

Ion Ratio Lower Upper

92 100

91 174.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 53.467 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

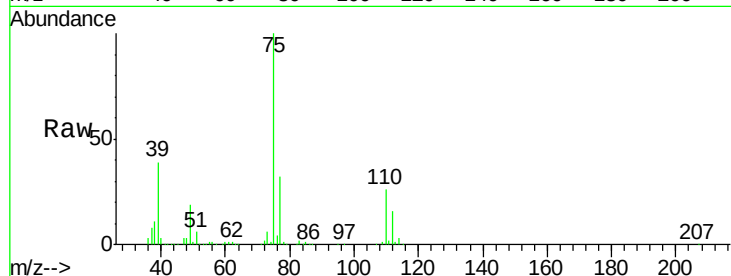
ICVVN011519

Tot Ion: 75 Resp: 676815

Ion Ratio Lower Upper

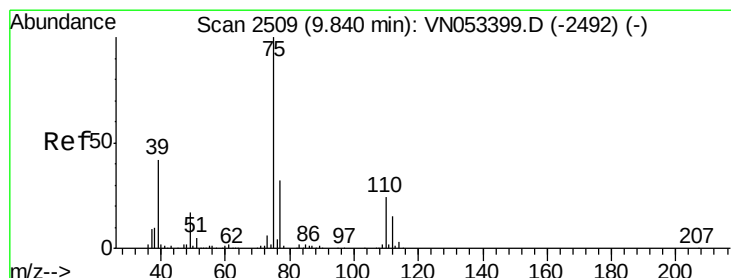
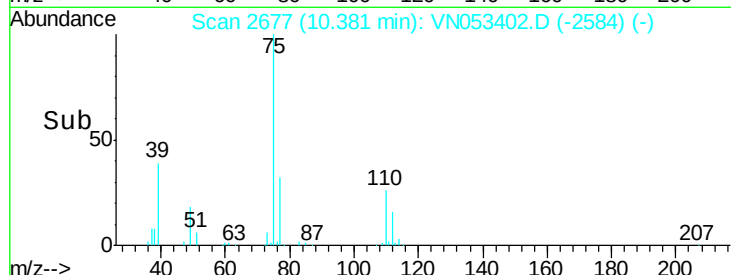
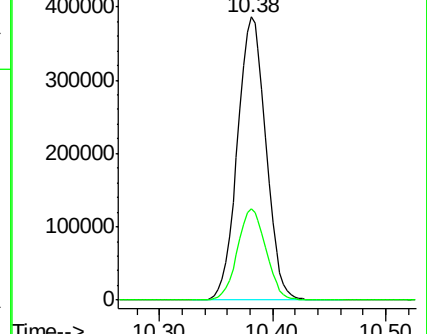
75 100

77 32.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.477 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

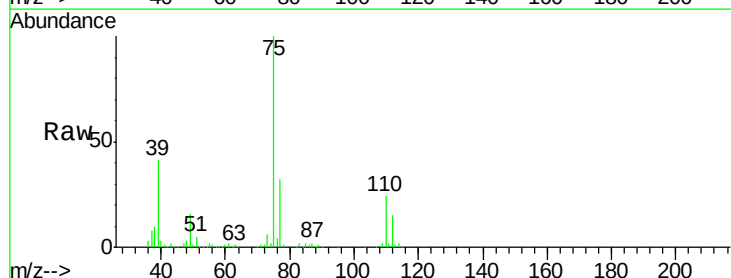
Tgt Ion: 75 Resp: 778718

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

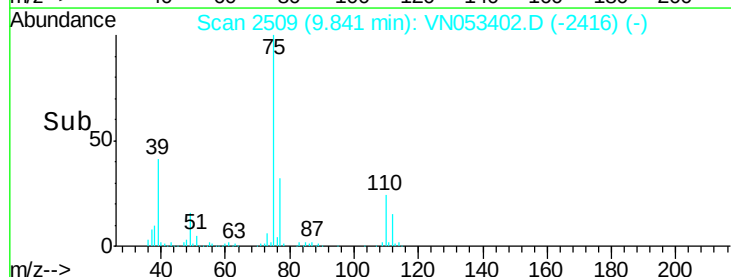
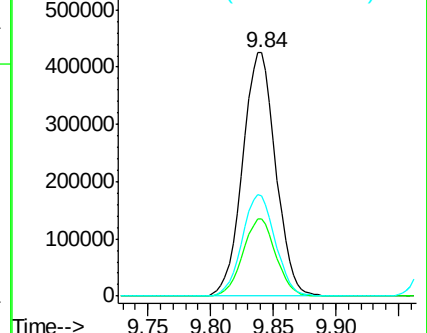
39 41.1 33.1 49.7

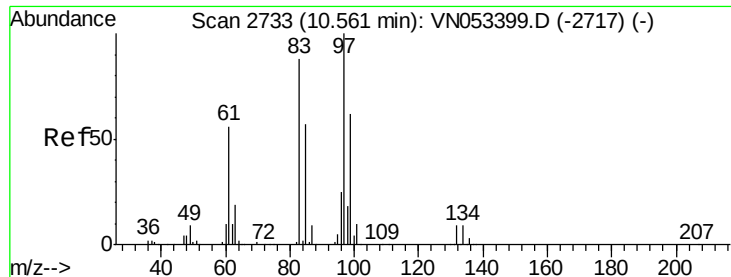


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

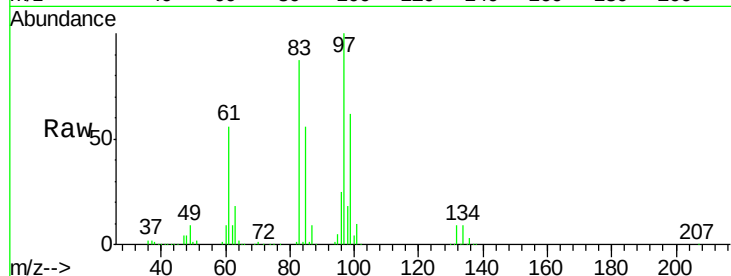




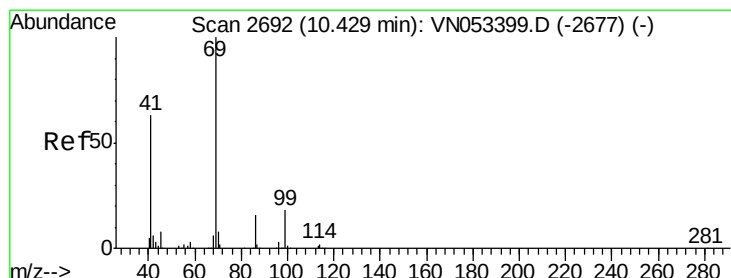
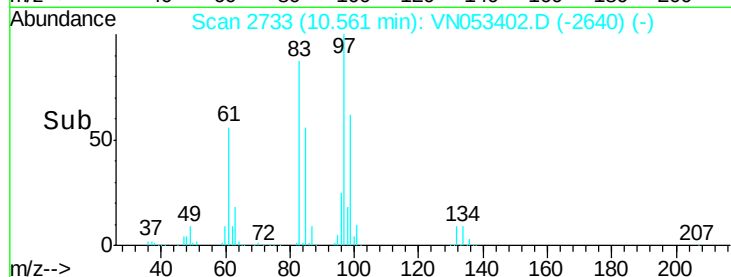
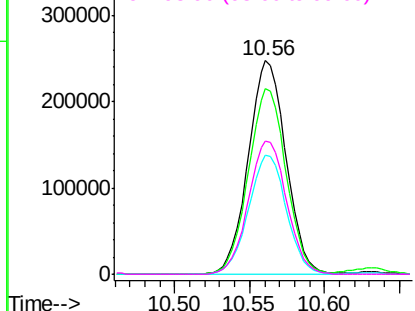
#55
 1,1,2-Trichloroethane
 Concen: 51.864 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion: 97 Resp: 433199
 Ion Ratio Lower Upper
 97 100
 83 86.9 69.1 103.7
 85 55.8 44.2 66.4
 99 62.5 50.3 75.5

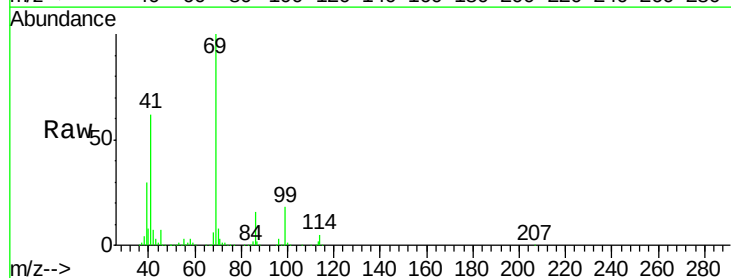


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

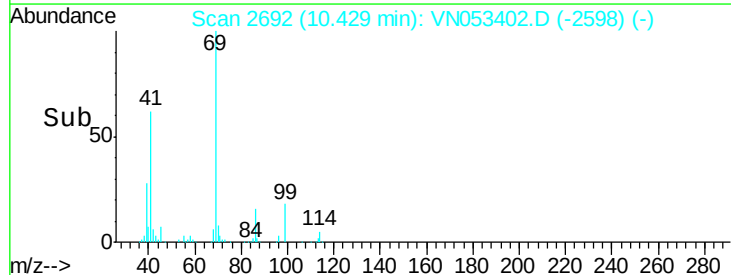
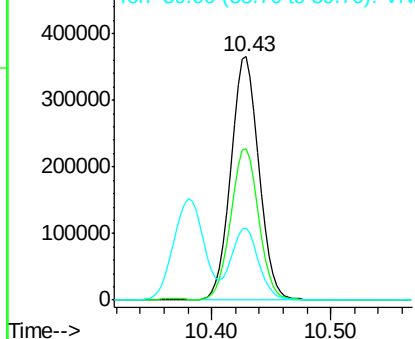


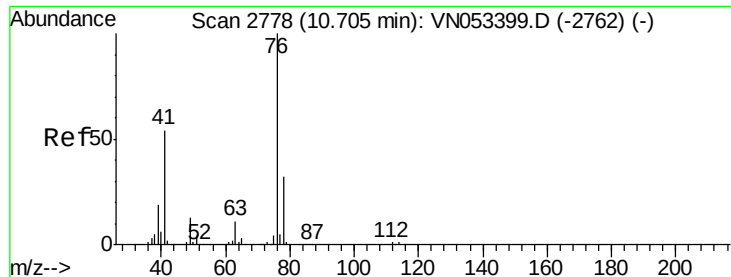
#56
 Ethyl methacrylate
 Concen: 50.390 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 69 Resp: 597506
 Ion Ratio Lower Upper
 69 100
 41 61.9 49.2 73.8
 39 29.1 23.4 35.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.754 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

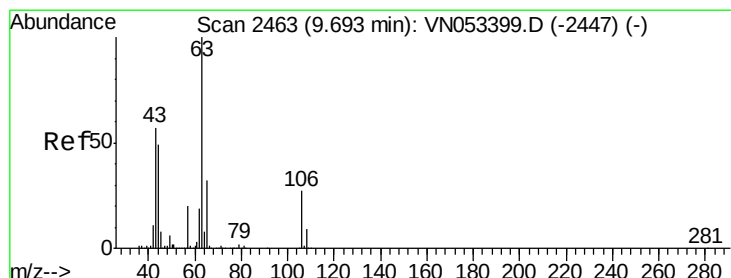
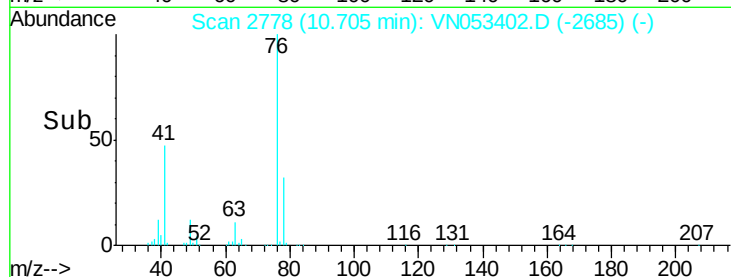
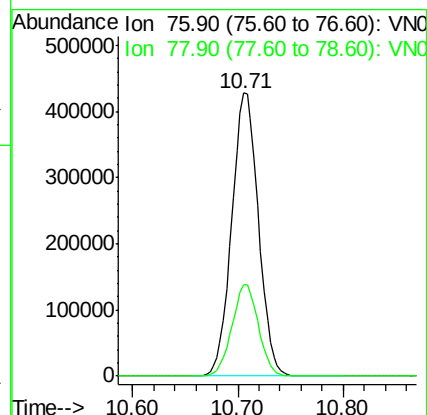
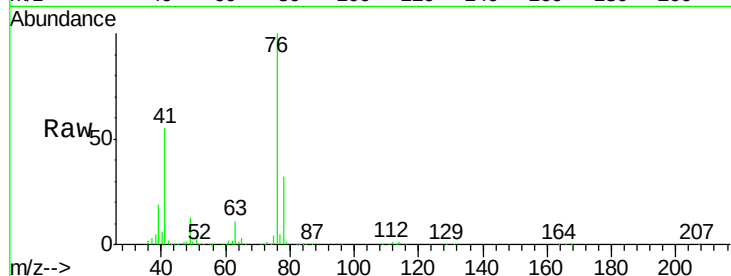
ICV011519

Tot Ion: 76 Resp: 747803

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 271.548 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053402.D

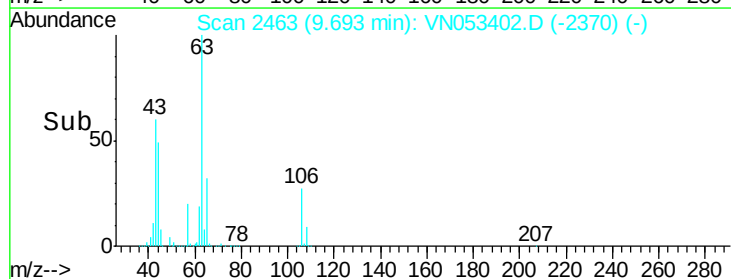
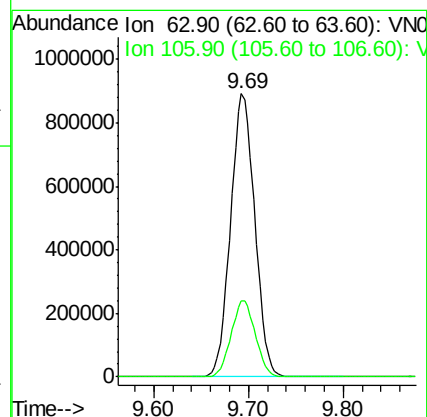
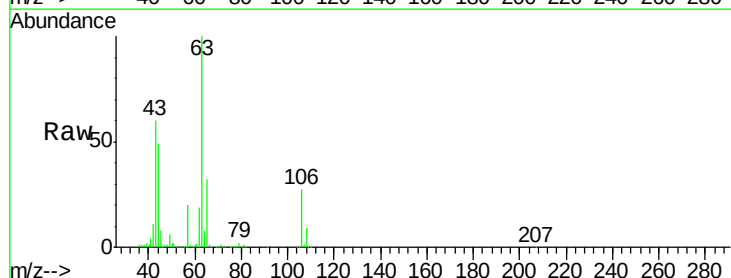
Acq: 15 Jan 2019 12:01

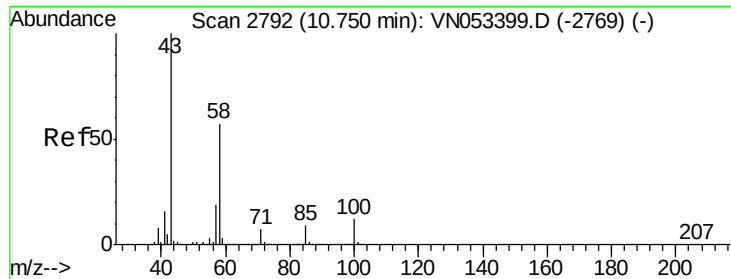
Tgt Ion: 63 Resp: 1586753

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5

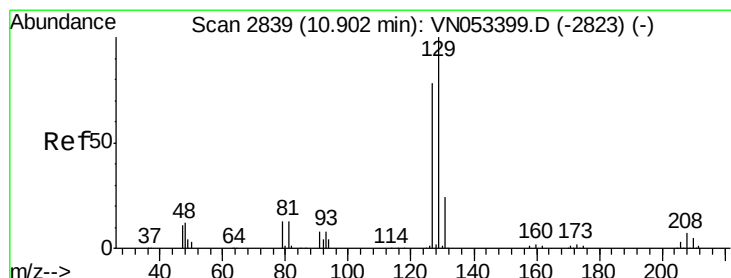
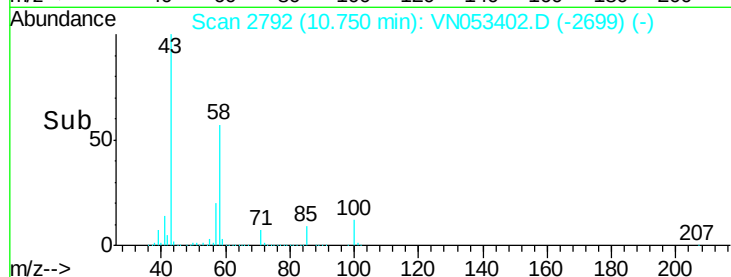
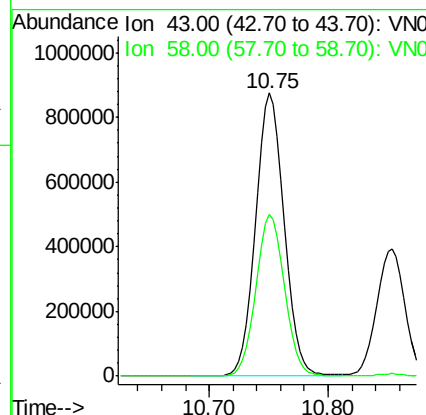
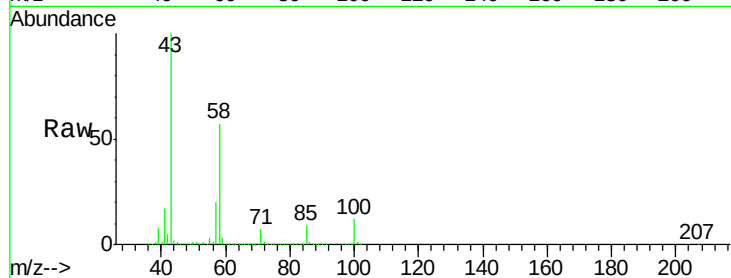




#59
2-Hexanone
Concen: 285.136 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

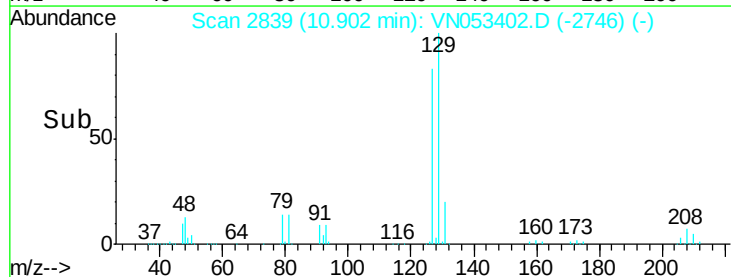
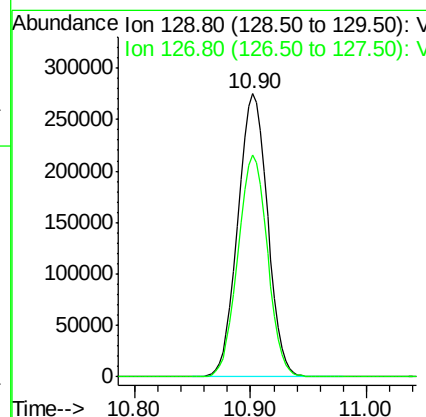
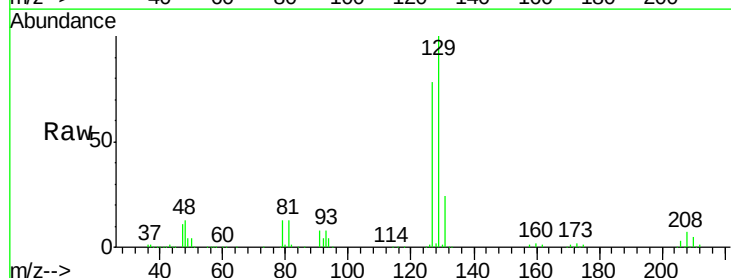
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

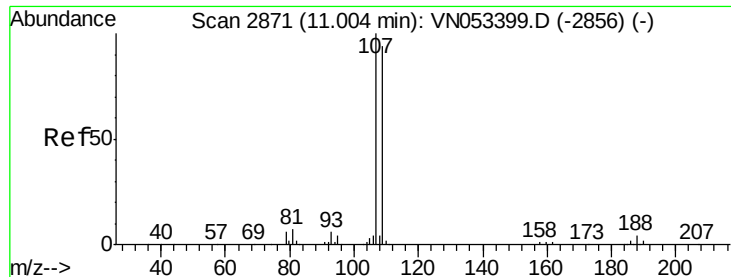
Tot Ion: 43 Resp: 1451620
Ion Ratio Lower Upper
43 100
58 57.5 28.3 85.0



#60
Dibromochloromethane
Concen: 51.582 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 129 Resp: 488670
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2

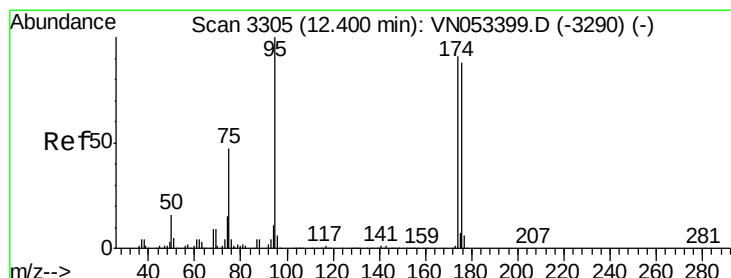
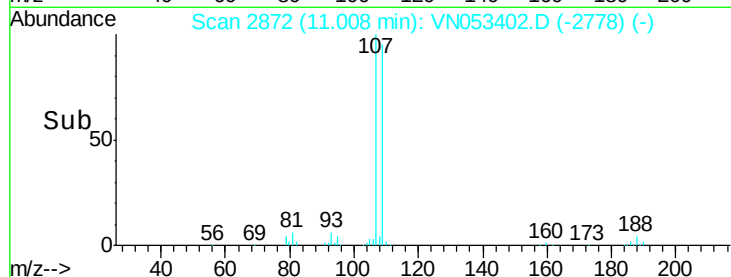
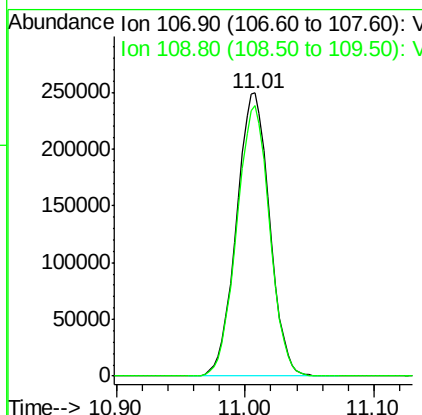
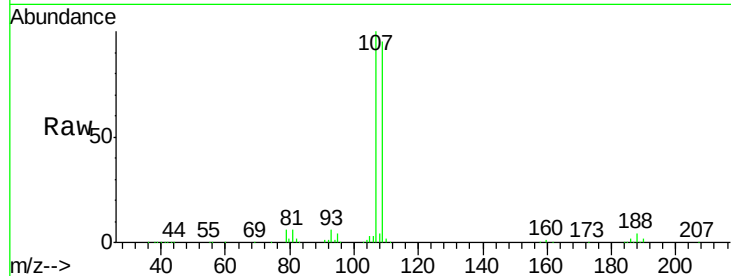




#61
 1,2-Dibromoethane
 Concen: 52.588 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

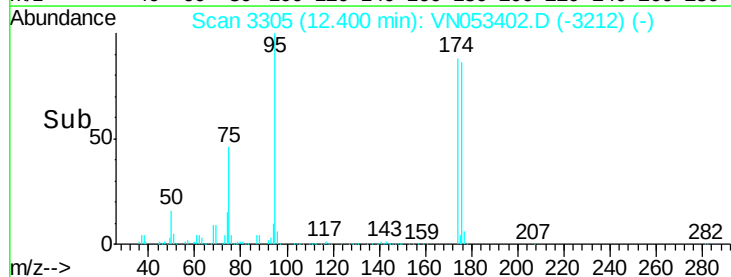
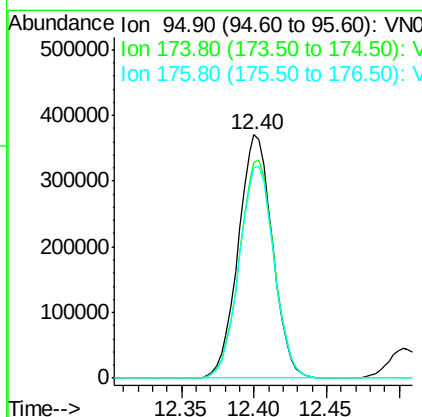
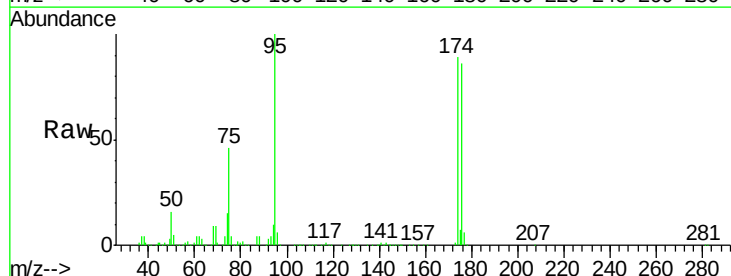
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN011519

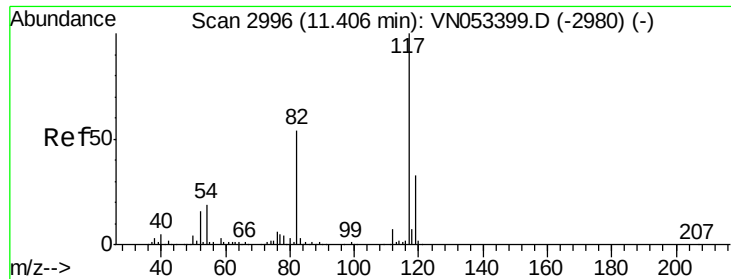
Tot Ion:107 Resp: 444231
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.588 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 95 Resp: 607274
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 180.4
 176 88.4 0.0 175.6

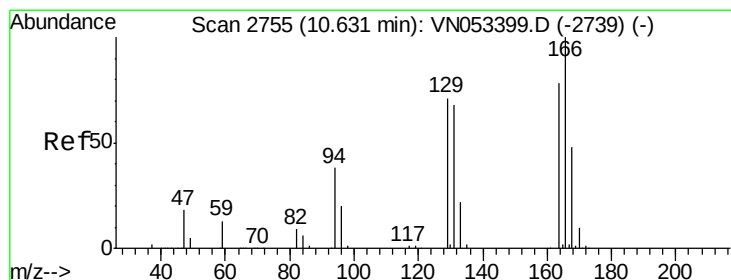
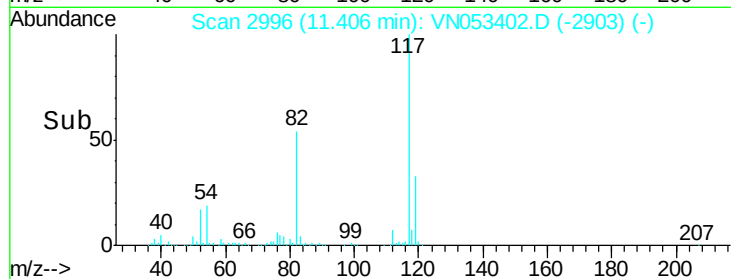
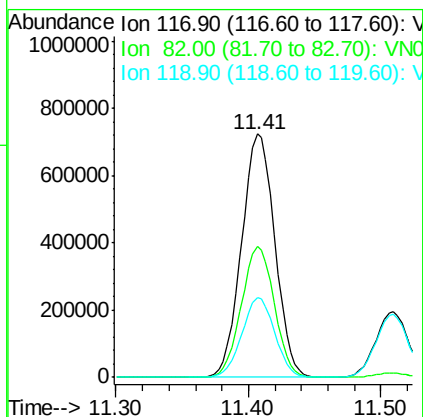
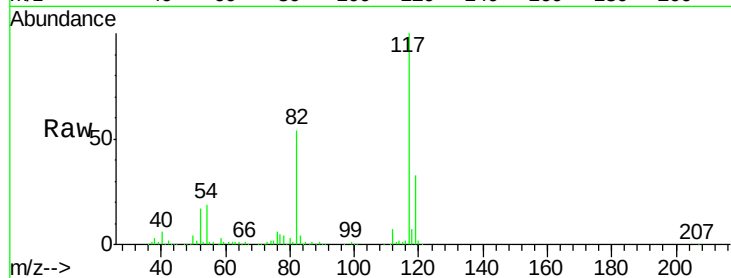




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

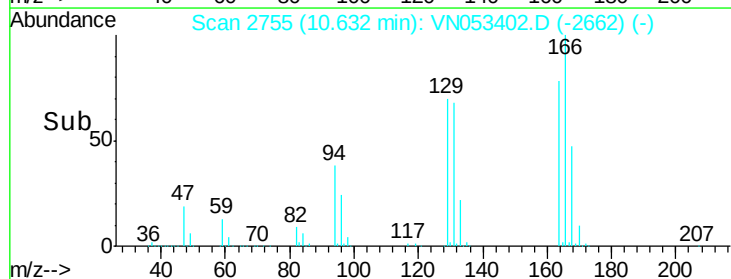
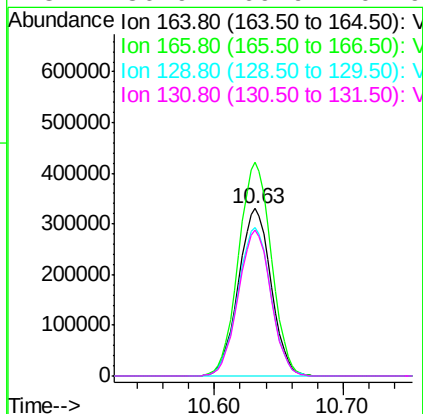
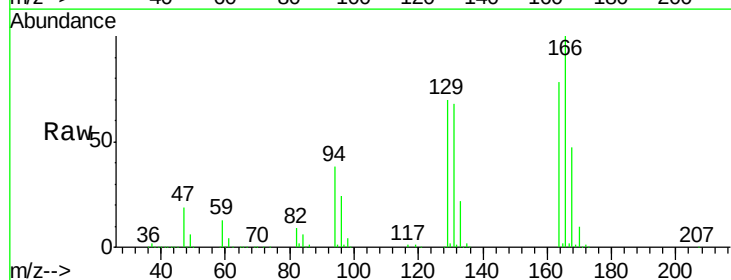
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

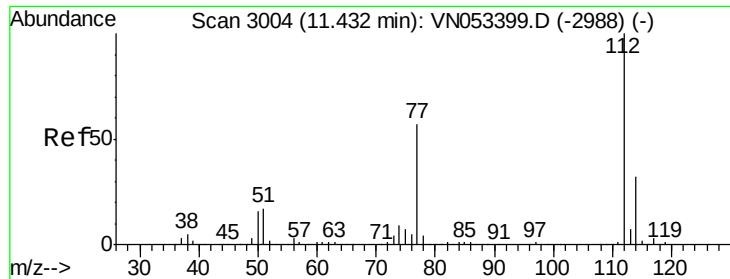
Tot Ion:117 Resp: 1264065
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 48.854 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion:164 Resp: 581974
Ion Ratio Lower Upper
164 100
166 127.6 101.7 152.5
129 89.0 72.1 108.1
131 86.9 69.9 104.9

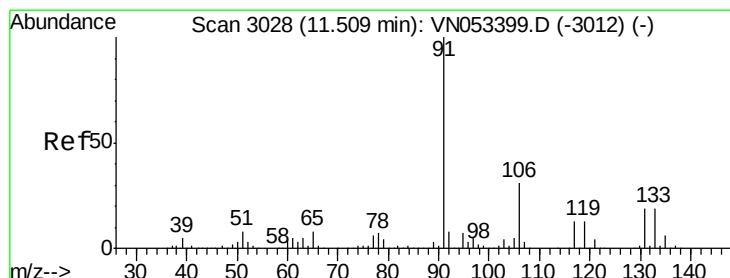
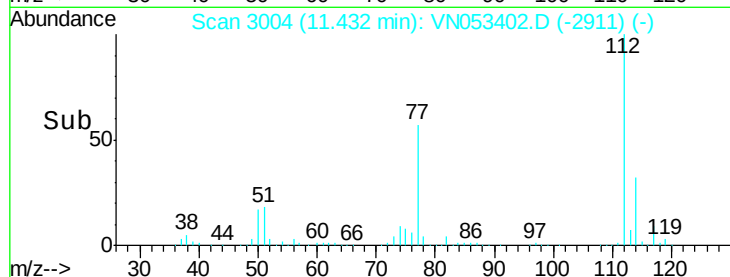
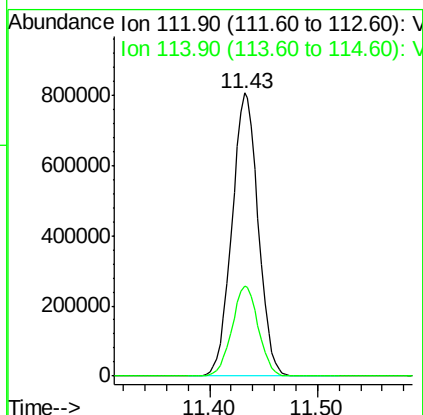
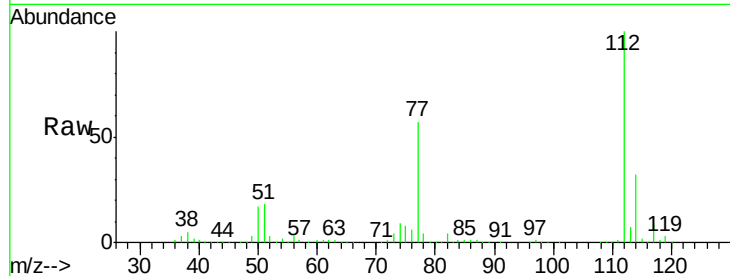




#65
Chlorobenzene
Concen: 51.035 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

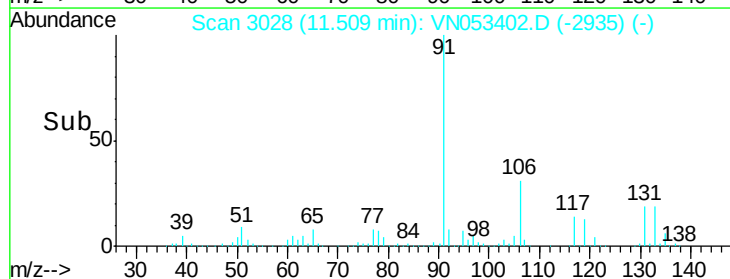
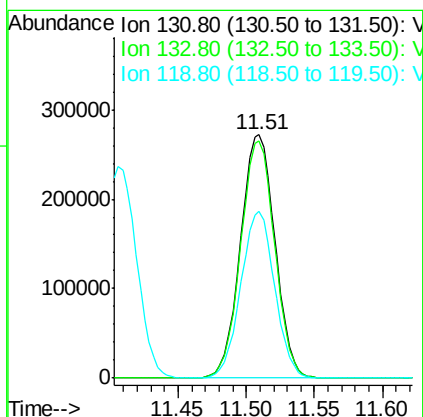
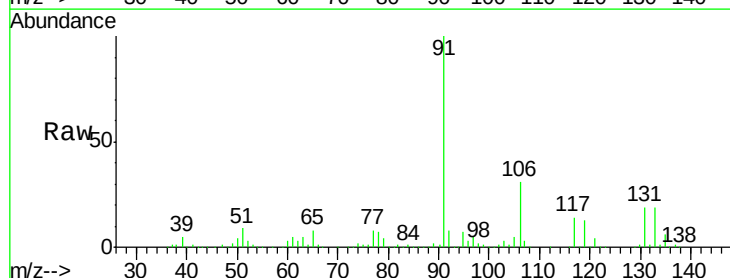
Instrument :
MSVOA_N
ClientSampleId :
ICVFN011519

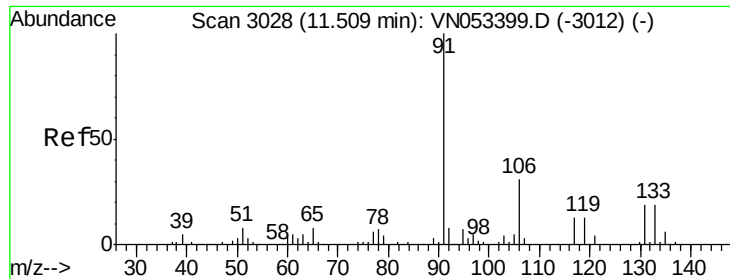
Tot Ion:112 Resp: 1365500
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.221 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion:131 Resp: 476767
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 67.3 33.3 99.9

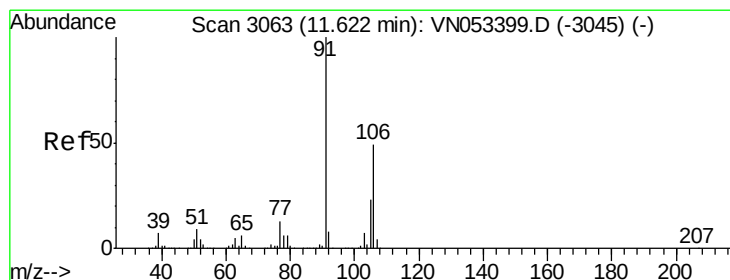
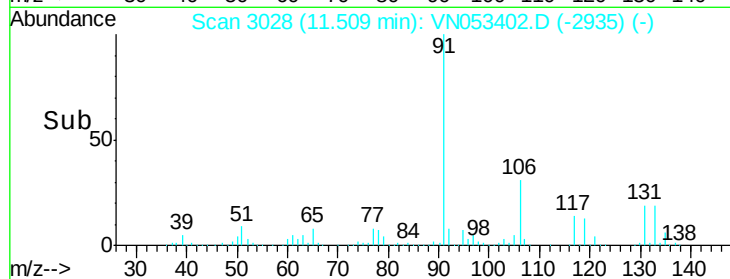
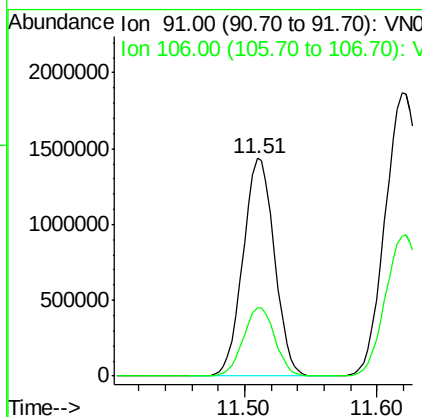
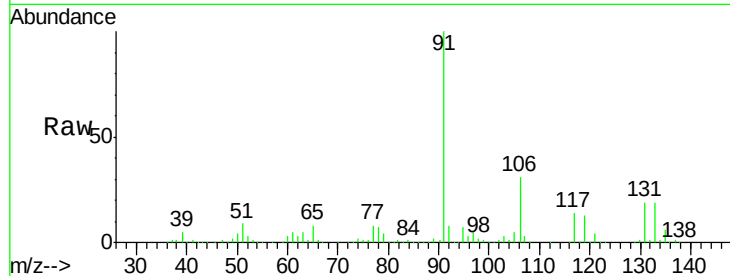




#67
Ethyl Benzene
Concen: 51.886 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

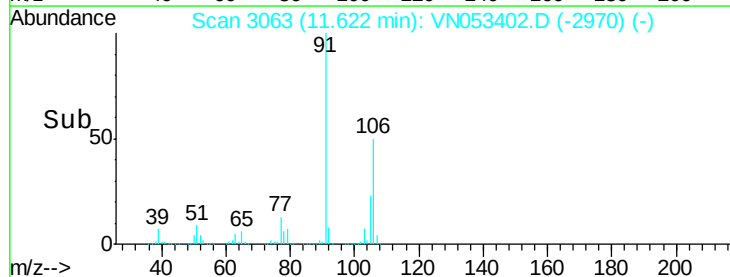
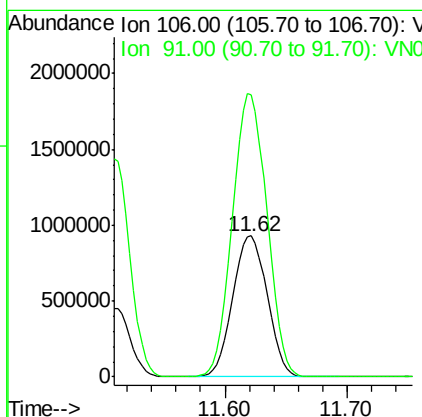
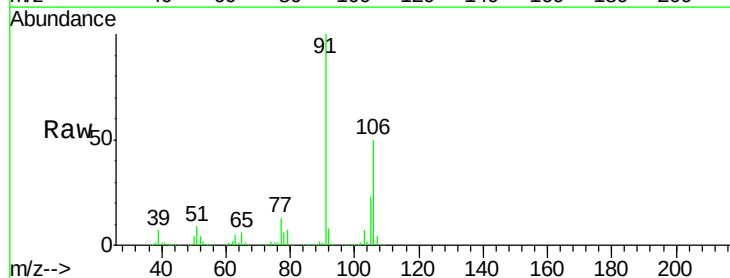
Instrument :
MSVOA_N
ClientSampled :
ICV011519

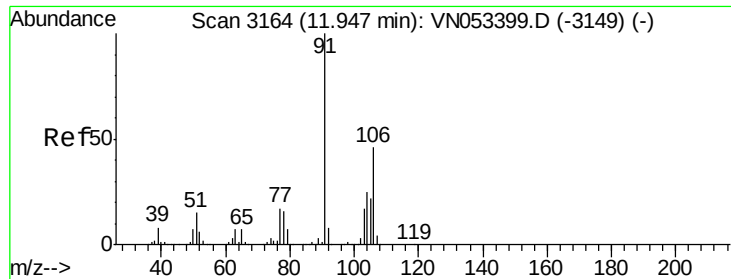
Tot Ion: 91 Resp: 2365957
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 105.918 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 106 Resp: 1823500
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2

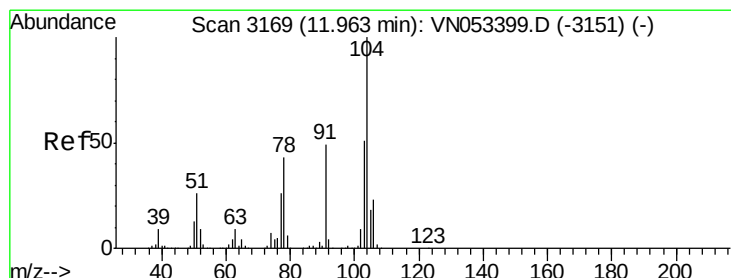
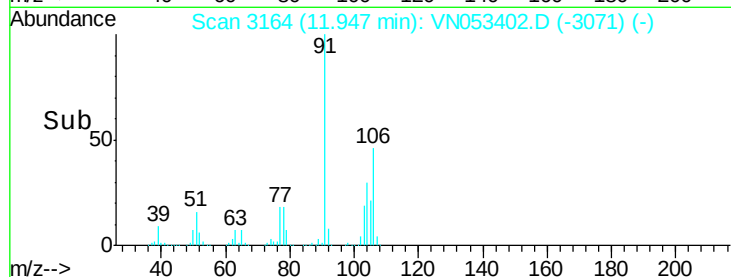
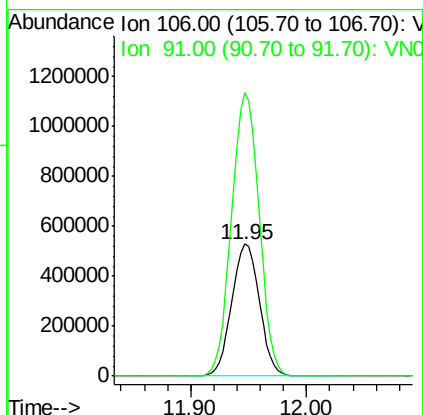
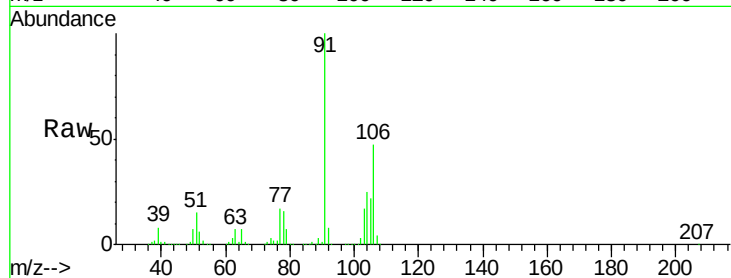




#69
o-Xylene
Concen: 52.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

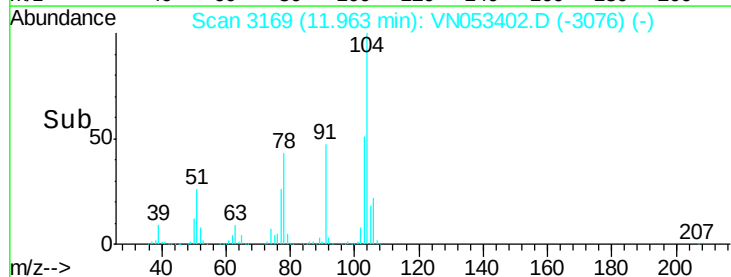
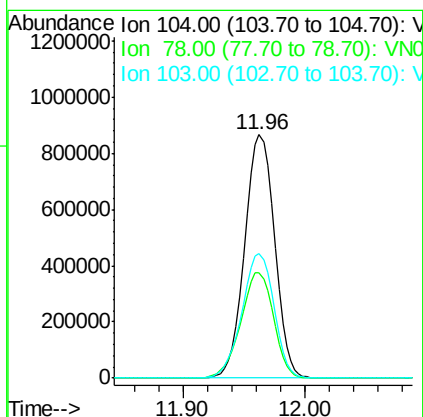
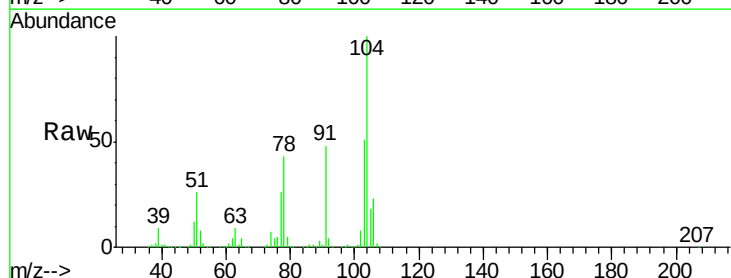
Instrument :
MSVOA_N
ClientSampleId :
ICVFN011519

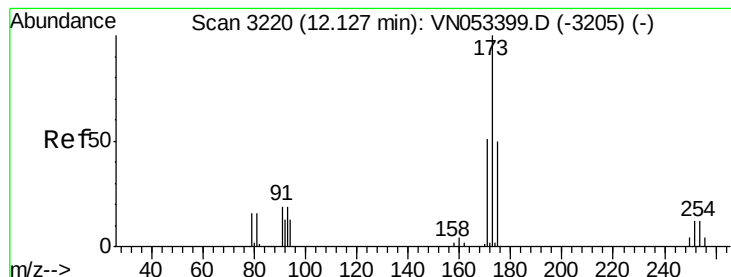
Tot Ion:106 Resp: 875136
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.4



#70
Styrene
Concen: 53.790 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion:104 Resp: 1460414
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.0 44.5 66.7





#71

Bromoform

Concen: 54.028 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

ICVVN011519

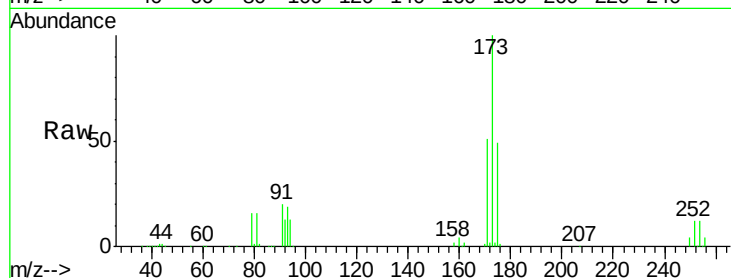
Tot Ion:173 Resp: 346213

Ion Ratio Lower Upper

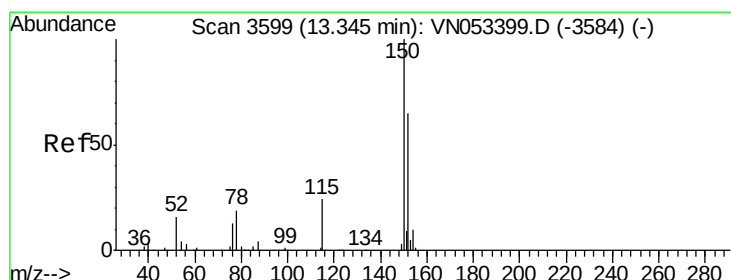
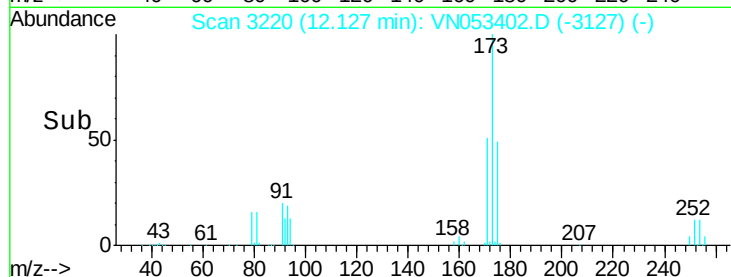
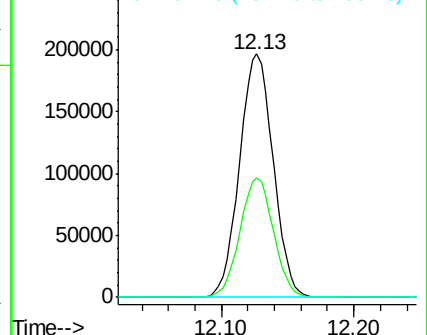
173 100

175 48.8 24.3 72.8

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

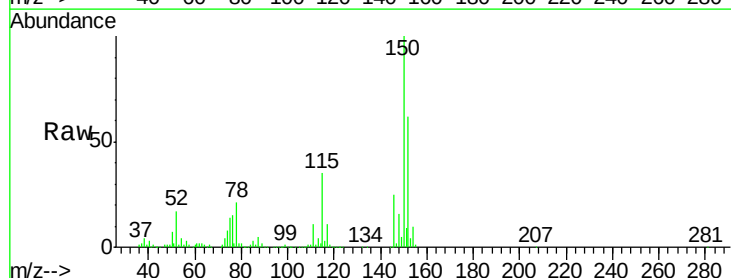
Tgt Ion:152 Resp: 617312

Ion Ratio Lower Upper

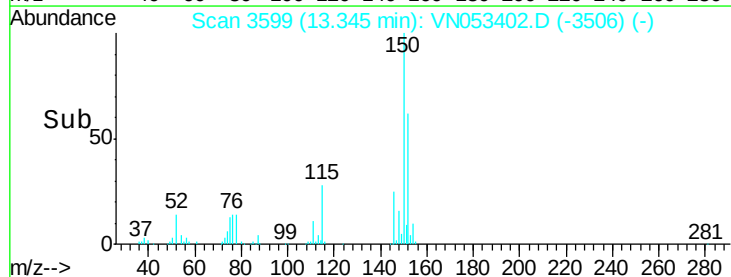
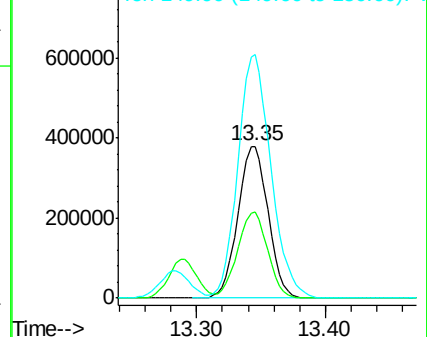
152 100

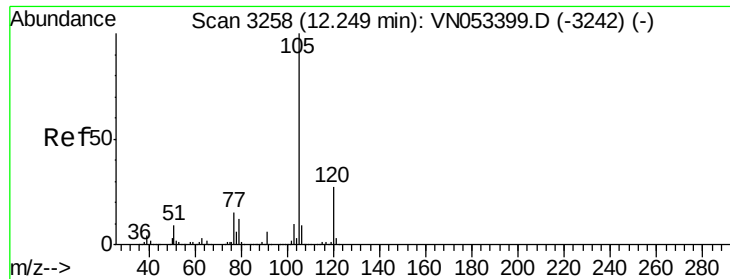
115 56.3 28.0 84.0

150 175.3 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: 52.041 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

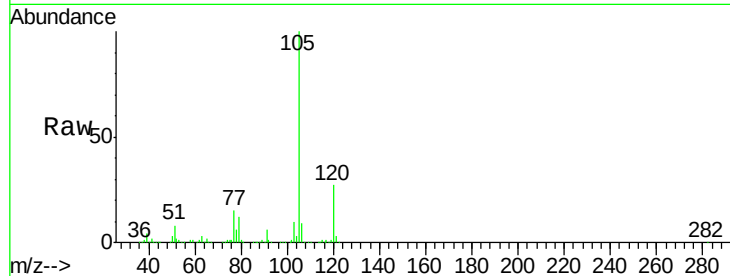
ICVVN011519

Tot Ion:105 Resp: 2352604

Ion Ratio Lower Upper

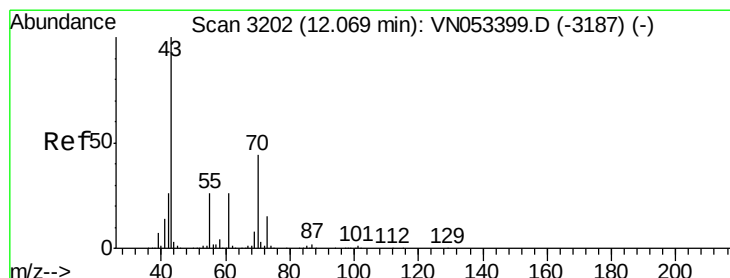
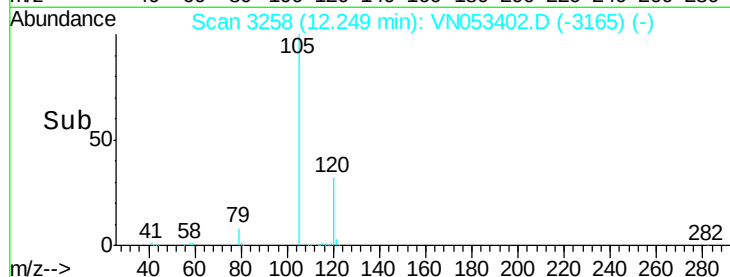
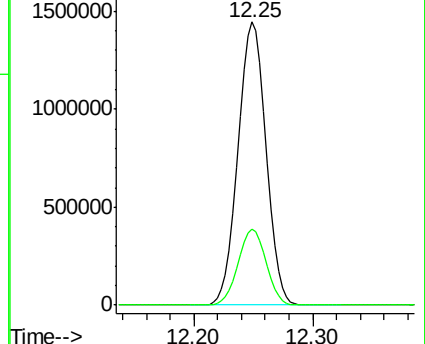
105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.524 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion: 43 Resp: 681166

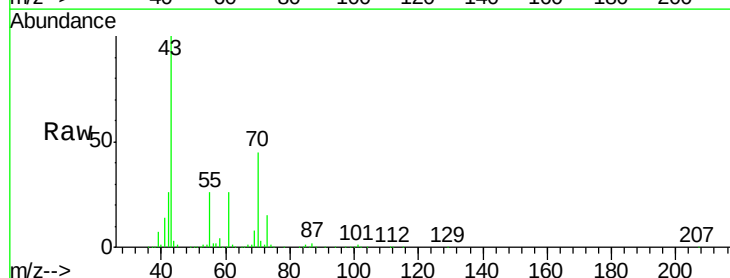
Ion Ratio Lower Upper

43 100

70 44.7 35.0 52.6

55 25.4 20.0 30.0

61 25.9 20.3 30.5

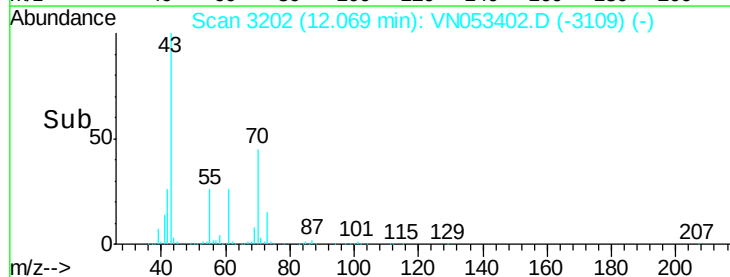
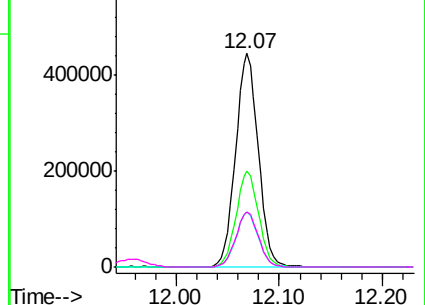


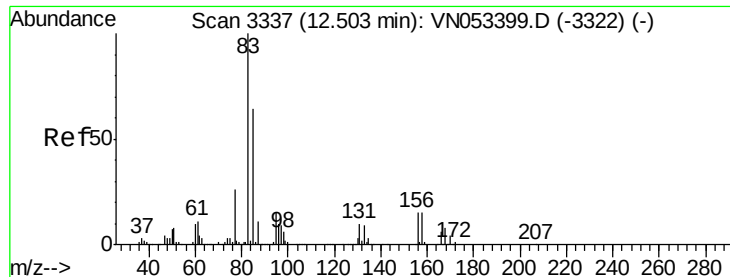
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.422 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

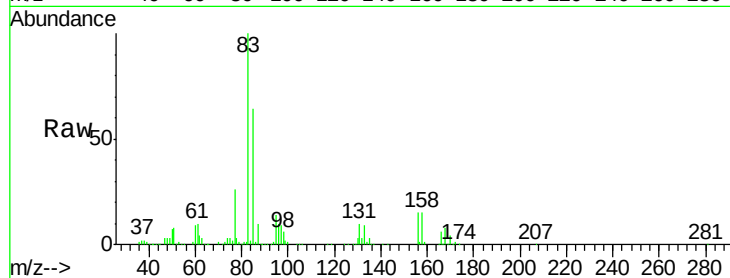
Tot Ion: 83 Resp: 515969

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.9

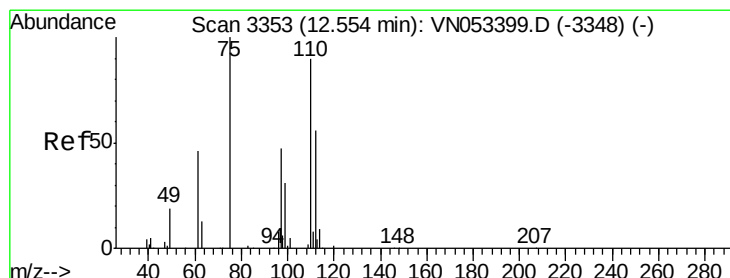
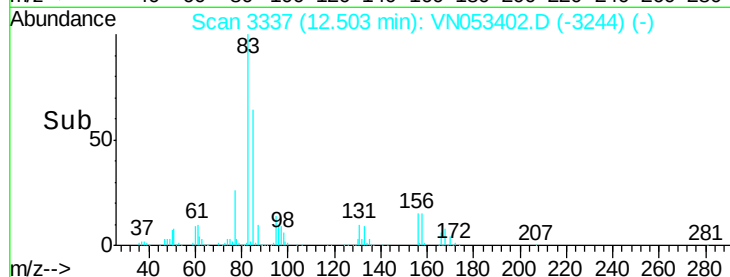
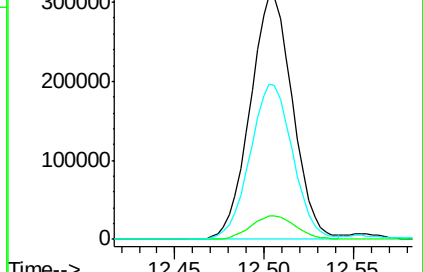
85 63.6 32.3 96.8



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

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

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



#76

1,2,3-Trichloropropane

Concen: 88.735 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053402.D

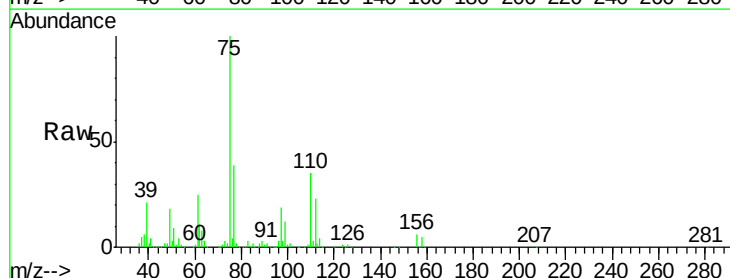
Acq: 15 Jan 2019 12:01

Tgt Ion: 75 Resp: 689678

Ion Ratio Lower Upper

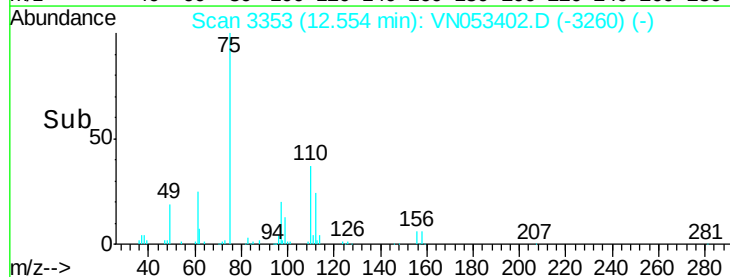
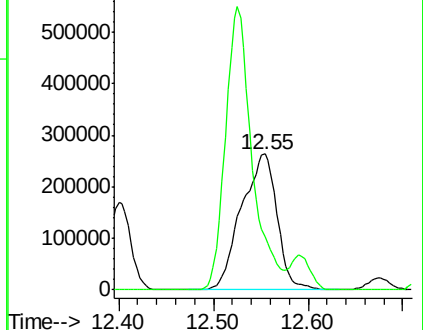
75 100

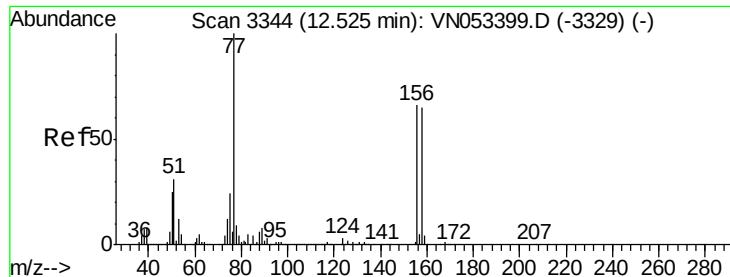
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 50.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

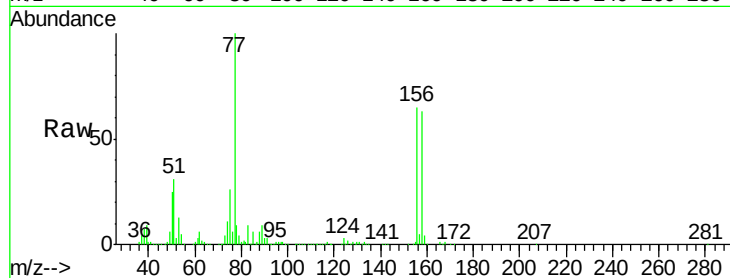
Tot Ion:156 Resp: 606959

Ion Ratio Lower Upper

156 100

77 176.8 89.3 268.1

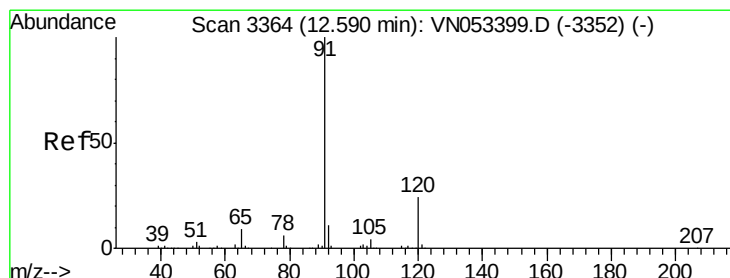
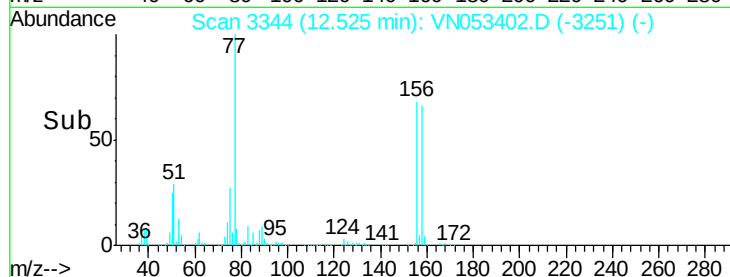
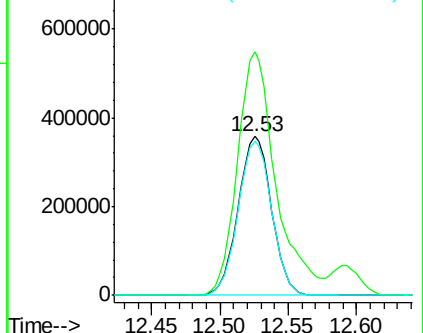
158 97.6 48.9 146.8



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: 52.821 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053402.D

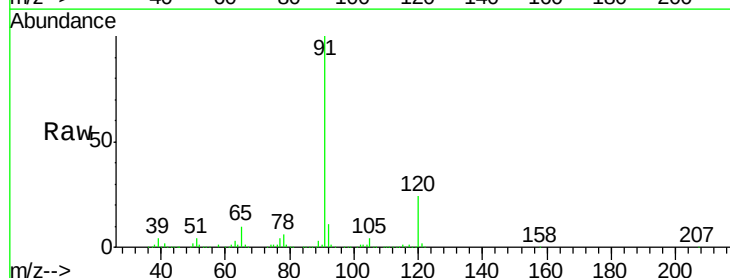
Acq: 15 Jan 2019 12:01

Tgt Ion: 91 Resp: 2740927

Ion Ratio Lower Upper

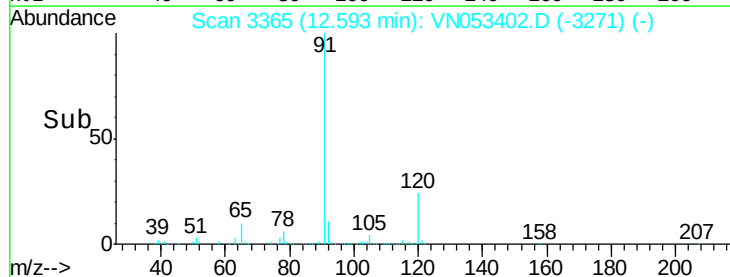
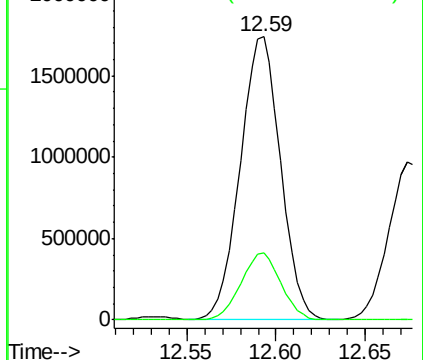
91 100

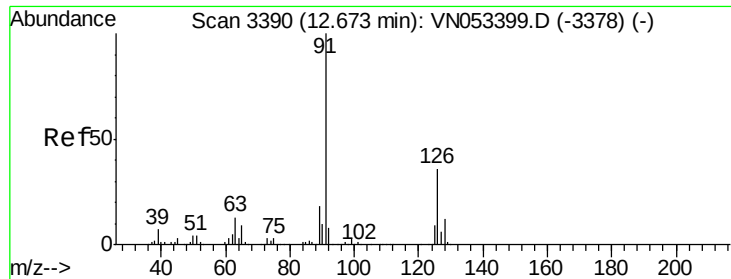
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.363 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

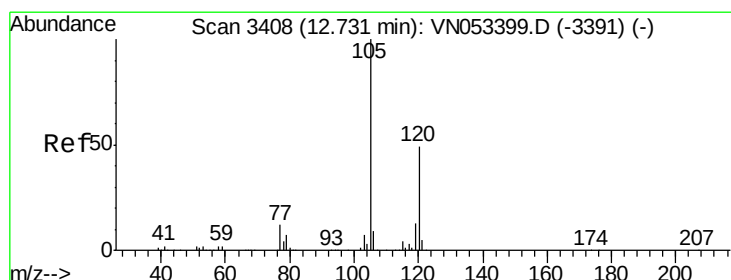
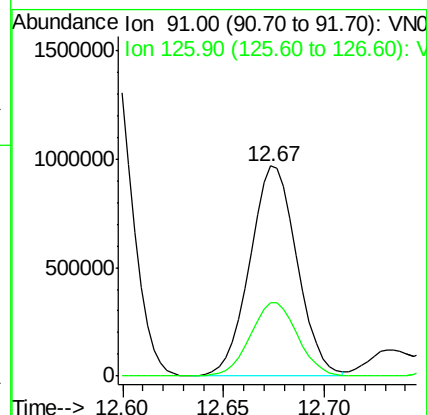
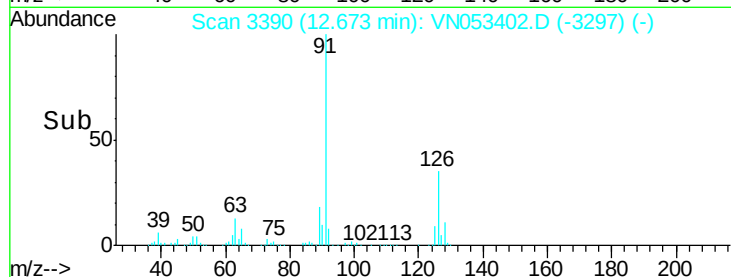
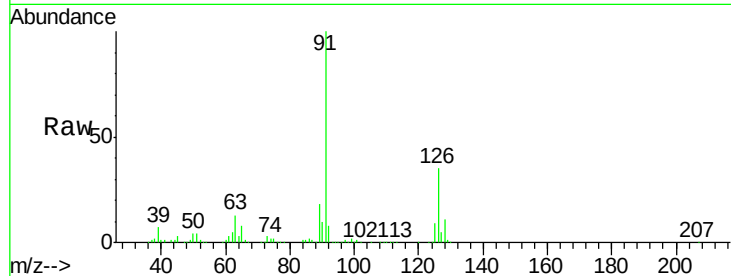
ICVVN011519

Tot Ion: 91 Resp: 1579845

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 52.641 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053402.D

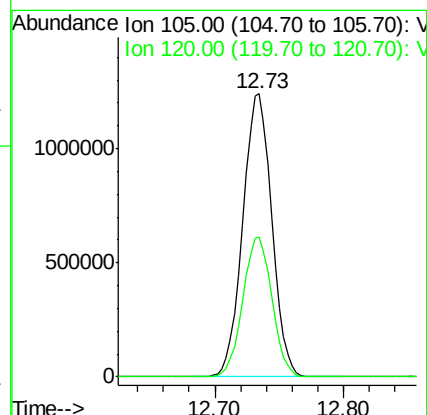
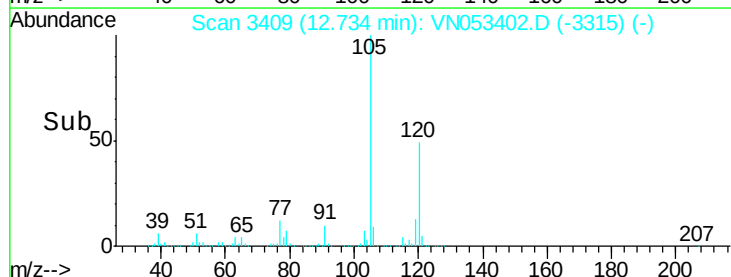
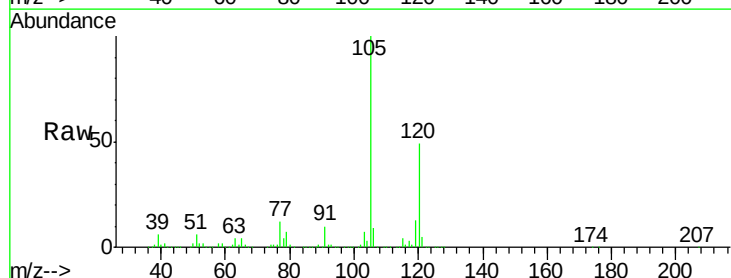
Acq: 15 Jan 2019 12:01

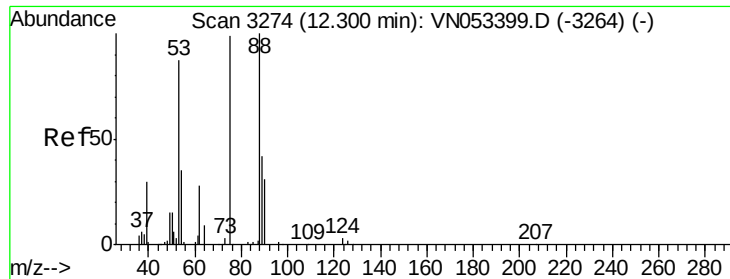
Tgt Ion: 105 Resp: 1936182

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1

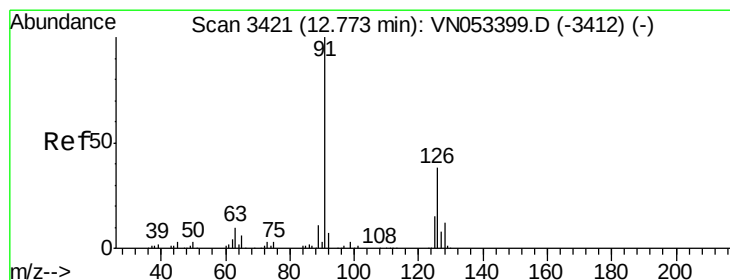
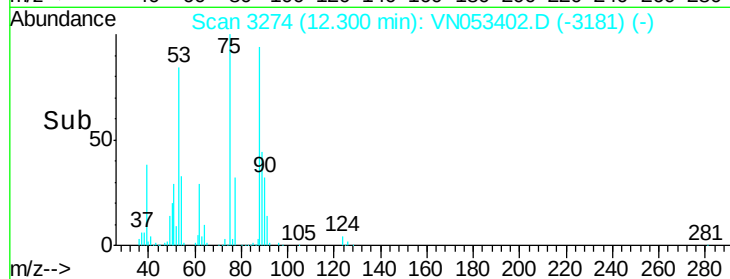
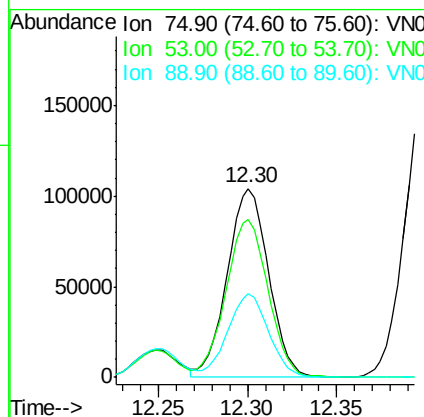
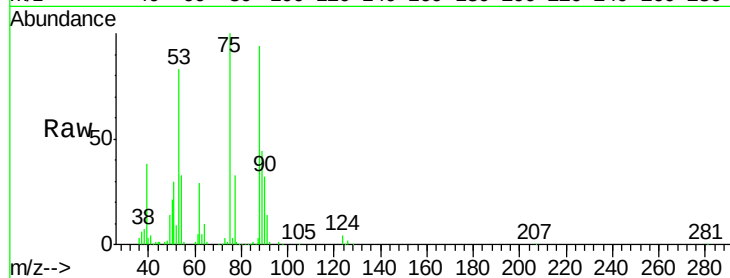




#81
trans-1,4-Dichloro-2-butene
Concen: 52.077 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

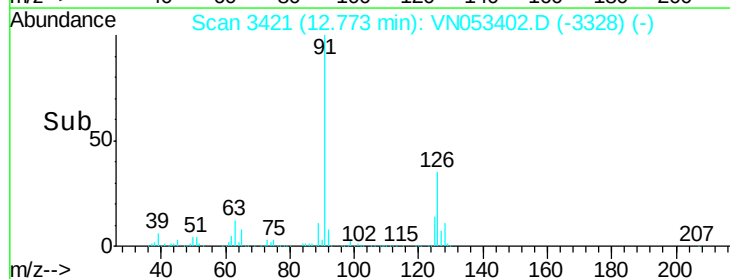
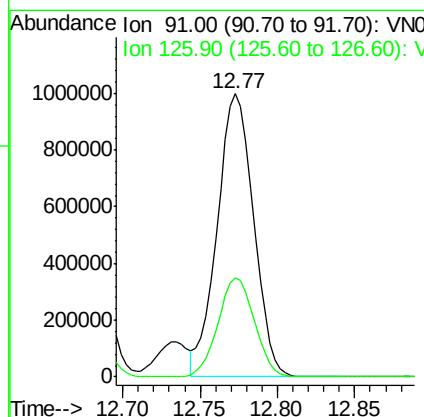
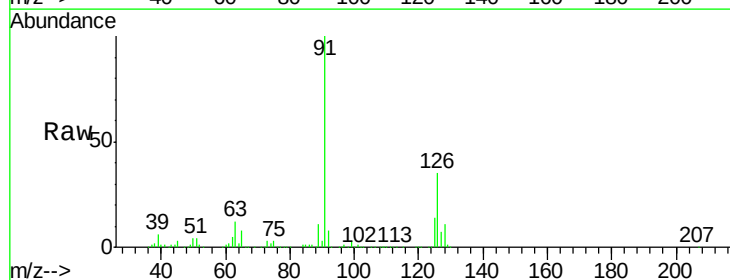
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

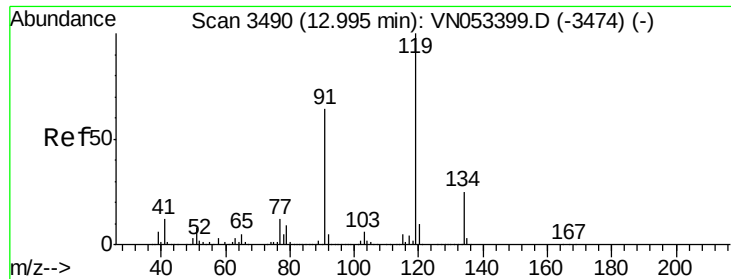
Tot Ion: 75 Resp: 167754
Ion Ratio Lower Upper
75 100
53 85.5 70.5 105.7
89 43.7 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.923 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 91 Resp: 1628646
Ion Ratio Lower Upper
91 100
126 35.0 17.4 52.2





#83

tert-Butylbenzene

Concen: 53.020 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

ICVVN011519

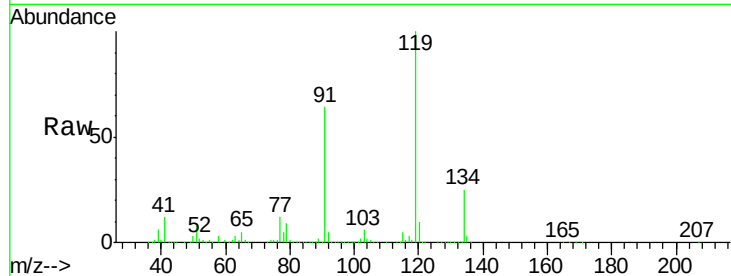
Tot Ion:119 Resp: 1722384

Ion Ratio Lower Upper

119 100

91 62.1 31.6 95.0

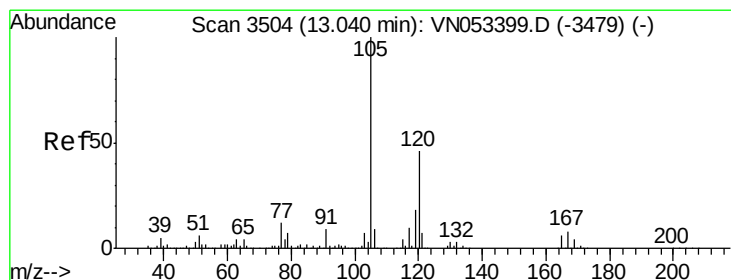
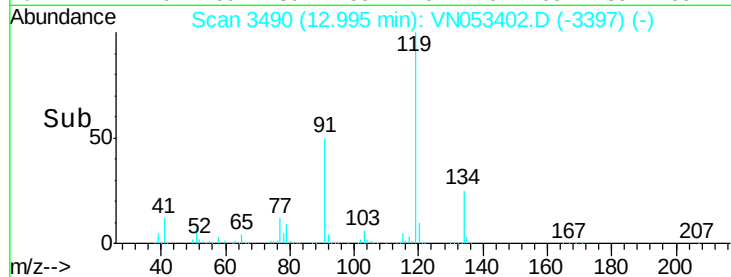
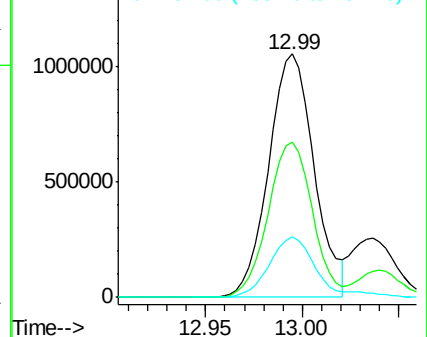
134 25.8 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.057 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053402.D

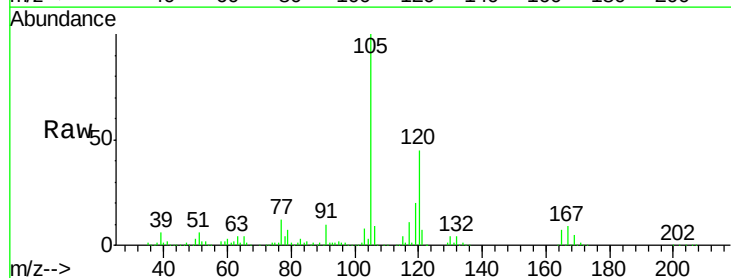
Acq: 15 Jan 2019 12:01

Tgt Ion:105 Resp: 1967697

Ion Ratio Lower Upper

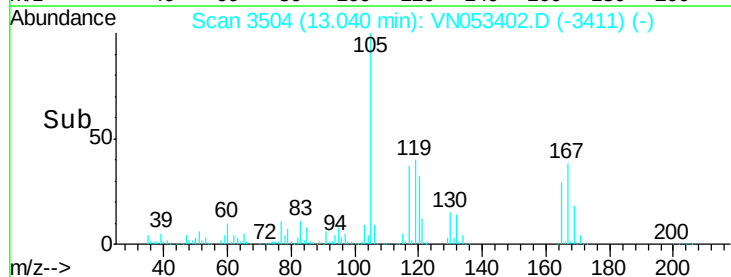
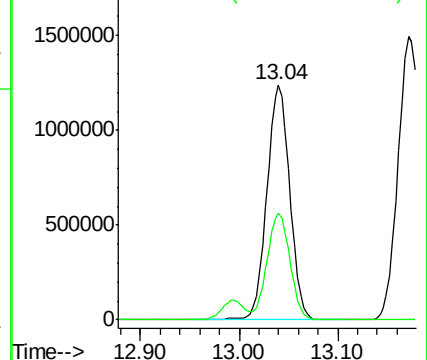
105 100

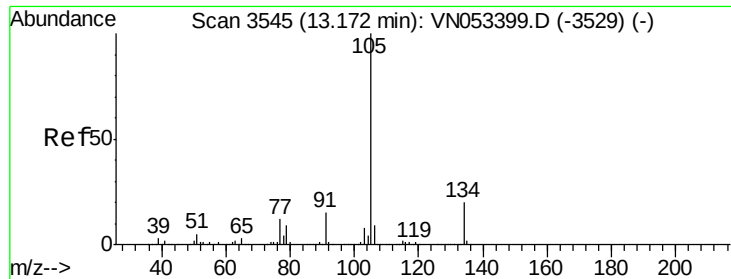
120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.192 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

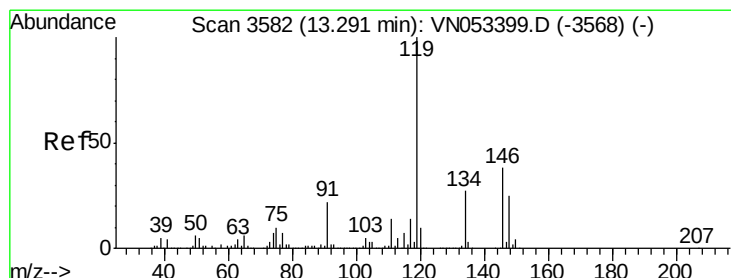
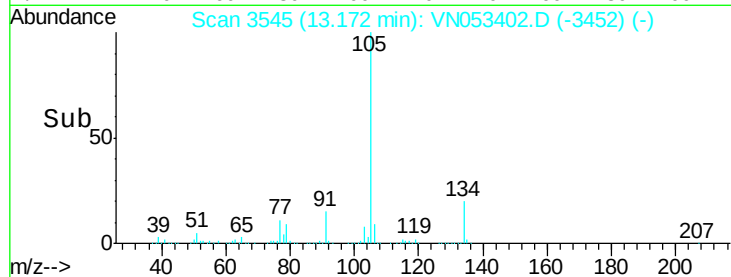
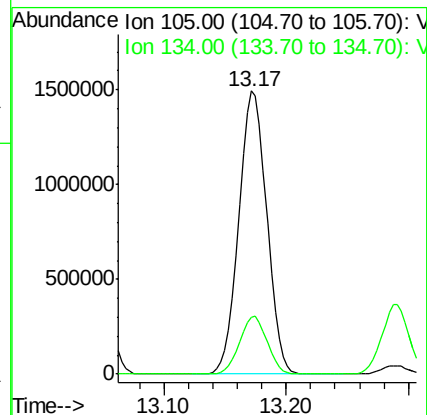
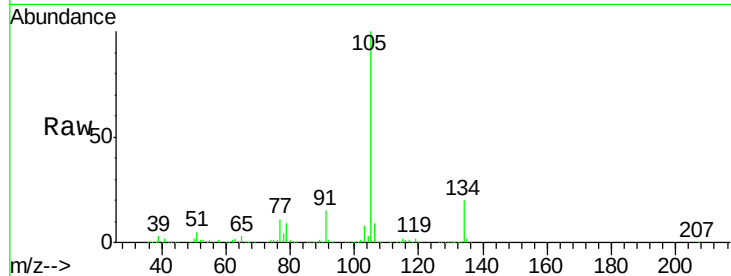
ICVVN011519

Tot Ion:105 Resp: 2369826

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 53.970 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

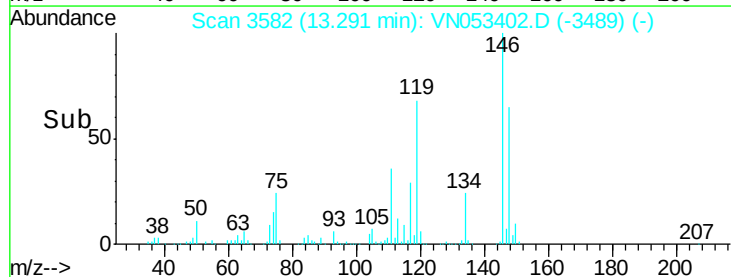
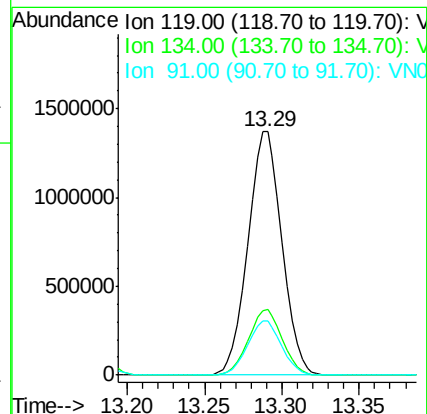
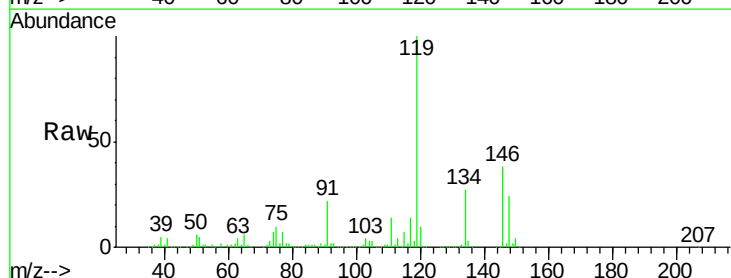
Tgt Ion:119 Resp: 2087790

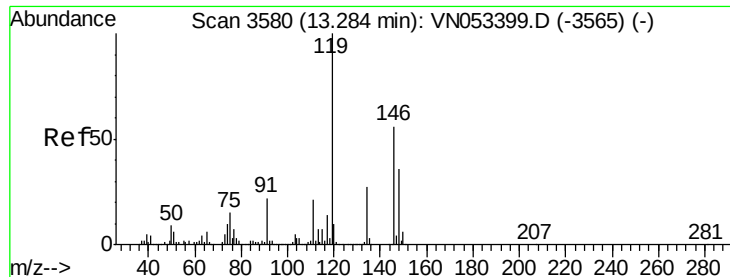
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 52.175 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

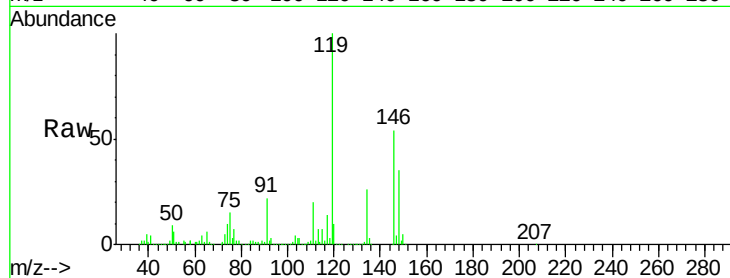
MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion:146 Resp: 1093259

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.4	32.0	96.2

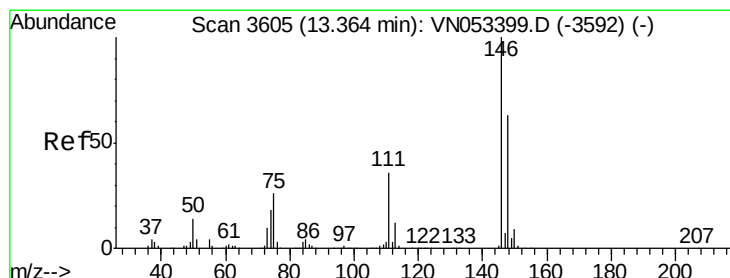
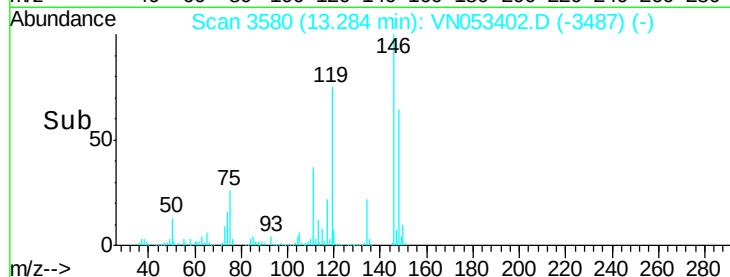
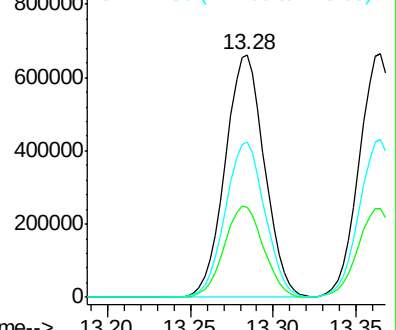


Abundance

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: 50.979 ug/l

RT: 13.36 min Scan# 3605

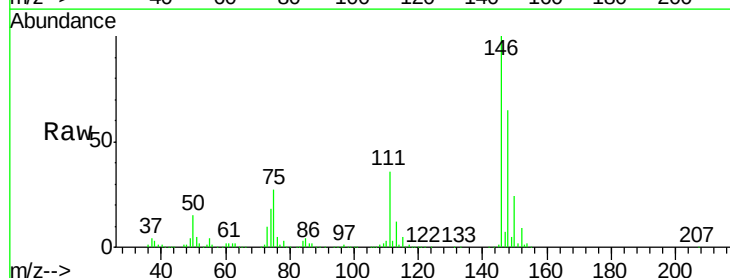
Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:146 Resp: 1071494

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.8	32.0	96.0

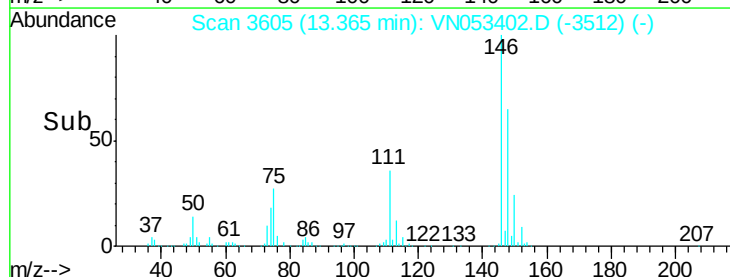
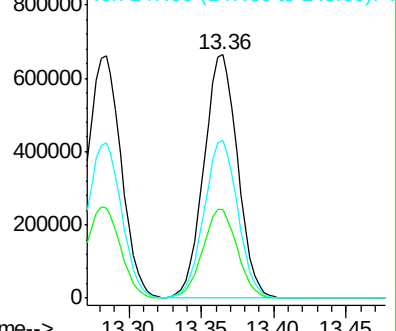


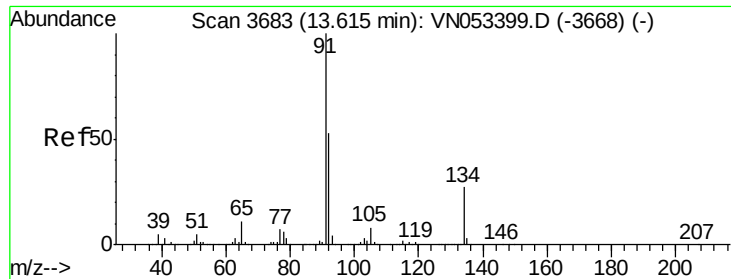
Abundance

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: 54.685 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

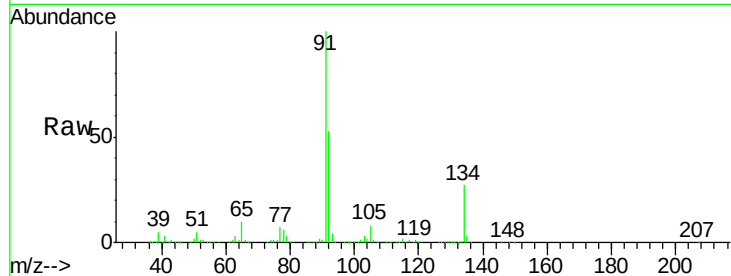
Tot Ion: 91 Resp: 1803237

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.8

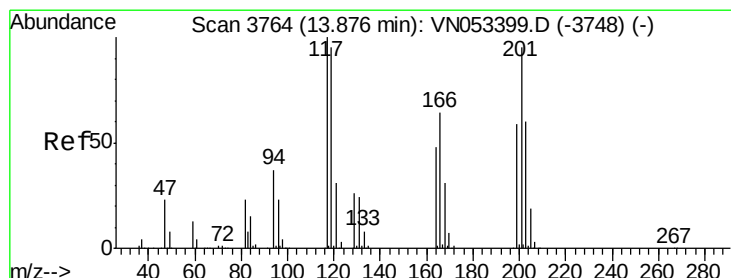
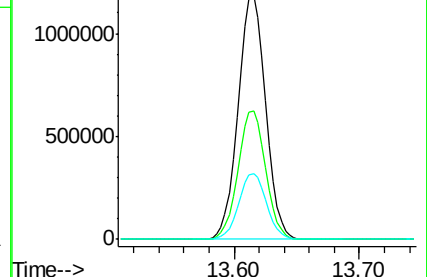
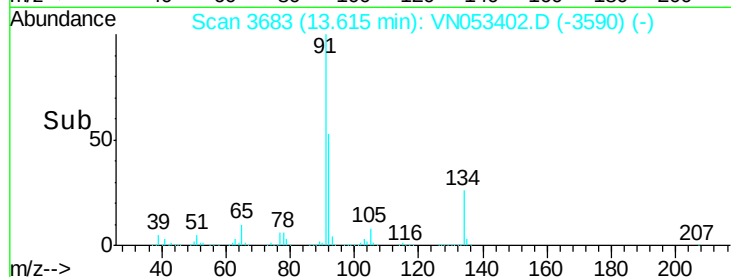
134 27.1 13.5 40.5



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

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

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



#90

Hexachloroethane

Concen: 52.296 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053402.D

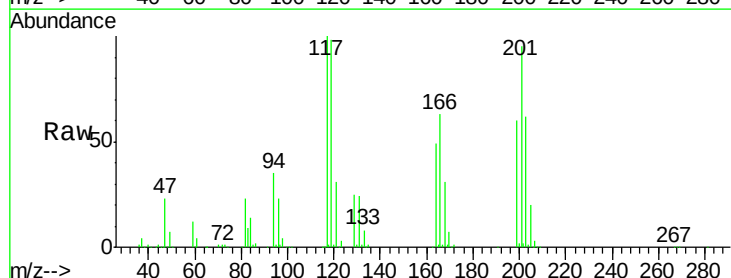
Acq: 15 Jan 2019 12:01

Tgt Ion: 117 Resp: 317279

Ion Ratio Lower Upper

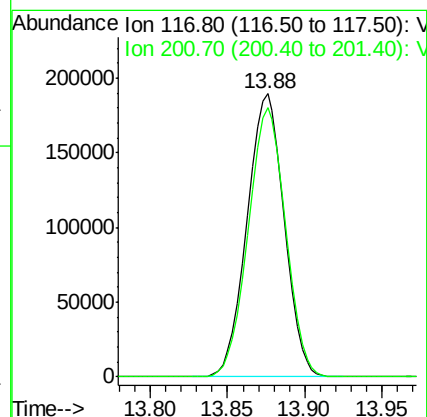
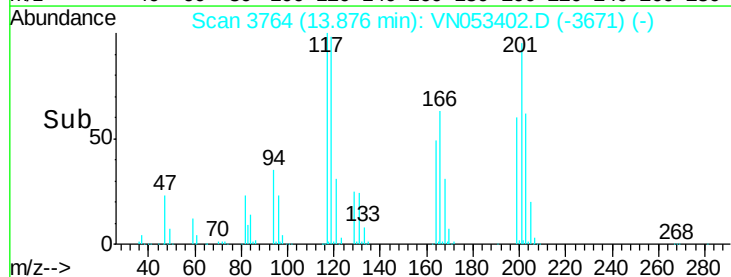
117 100

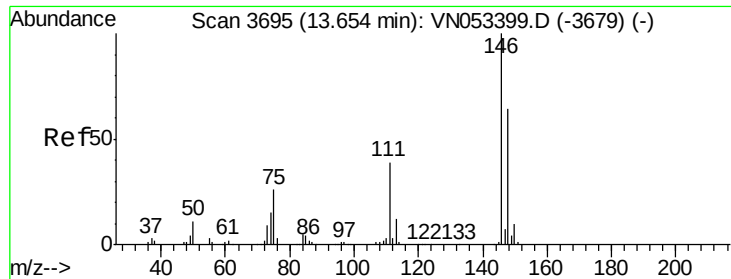
201 95.5 46.1 138.3



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

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

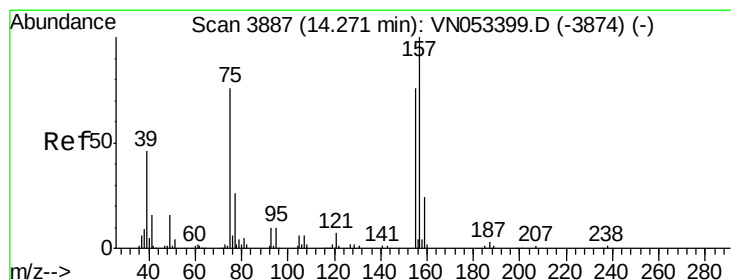
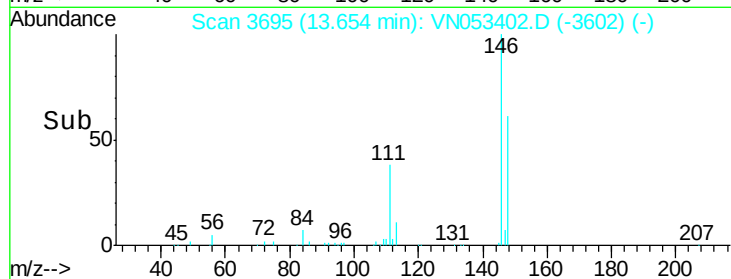
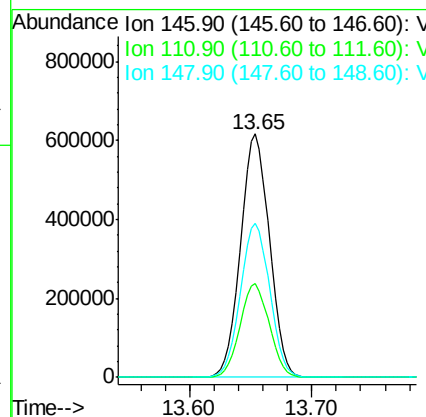
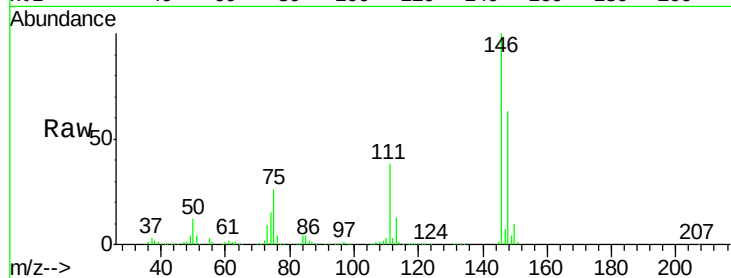




#91
 1,2-Dichlorobenzene
 Concen: 52.396 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

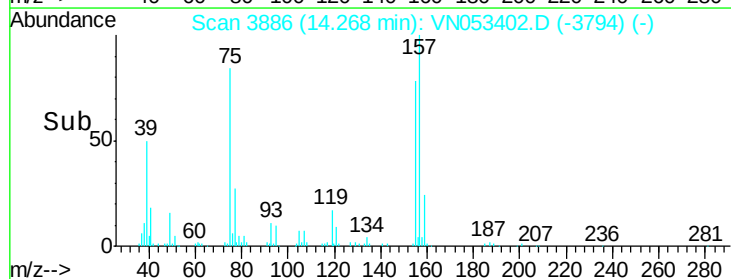
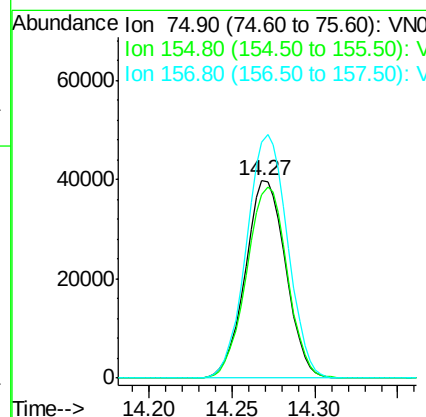
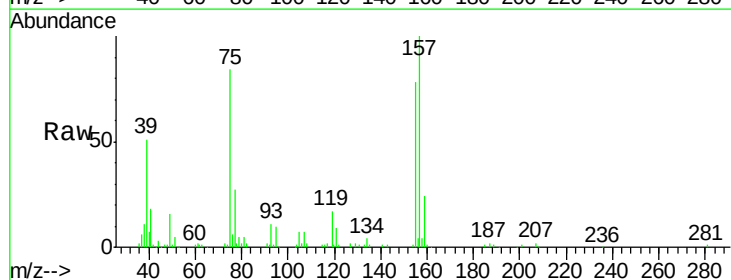
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

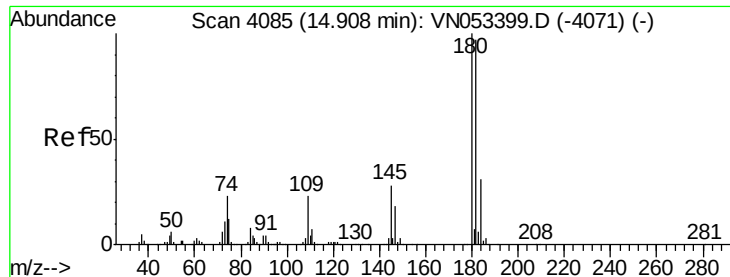
Tot Ion:146 Resp: 1010045
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.2
 148 64.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.105 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 75 Resp: 67447
 Ion Ratio Lower Upper
 75 100
 155 97.6 48.1 144.3
 157 125.1 61.5 184.4

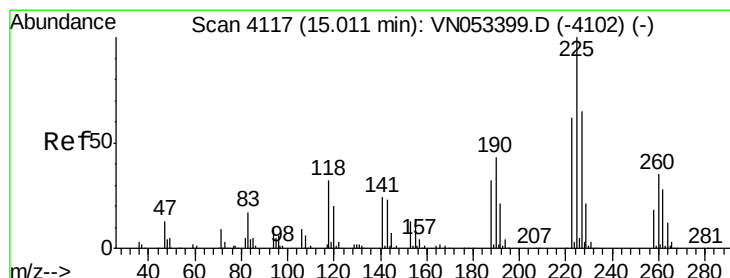
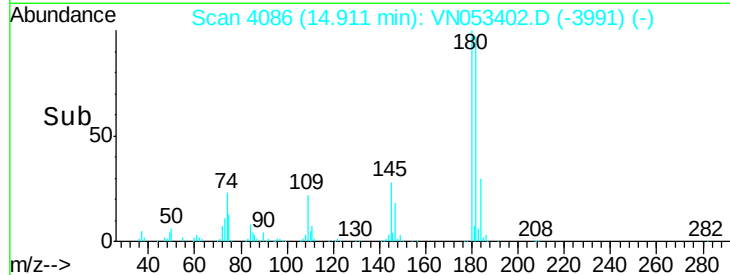
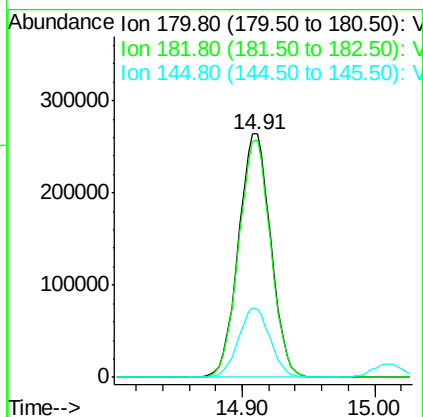
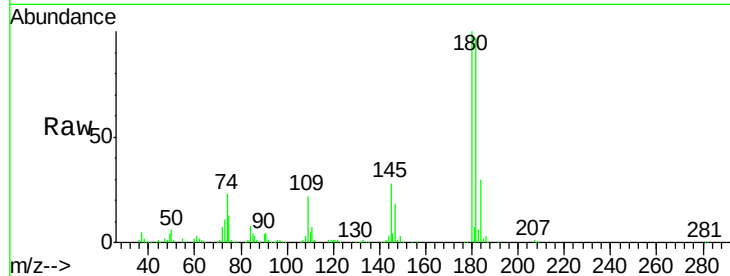




#93
 1,2,4-Trichlorobenzene
 Concen: 52.097 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

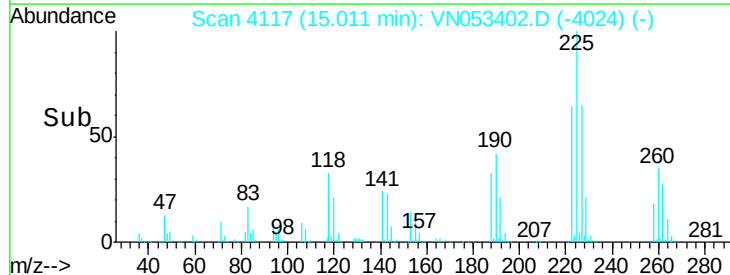
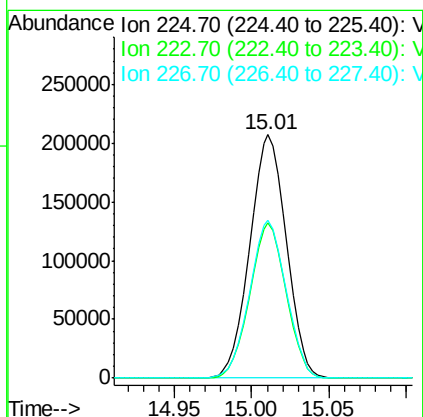
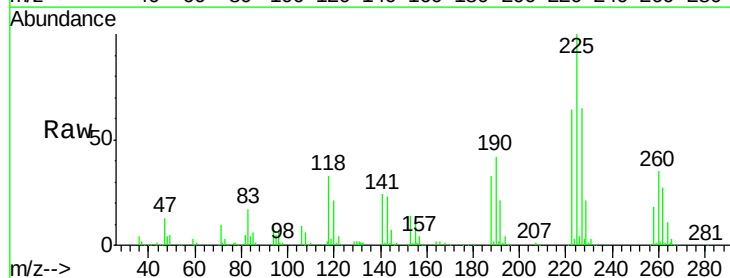
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

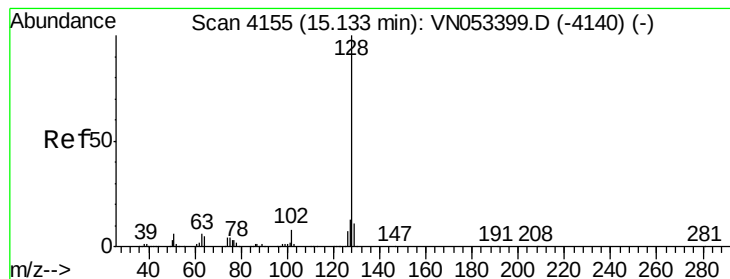
Tot Ion:180 Resp: 444165
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.8 143.4
 145 28.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 56.692 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion:225 Resp: 340917
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.8
 227 64.8 31.4 94.2





#95

Naphthalene

Concen: 51.606 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

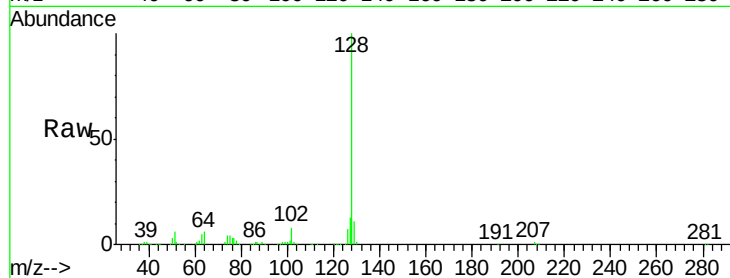
Tot Ion:128 Resp: 772163

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

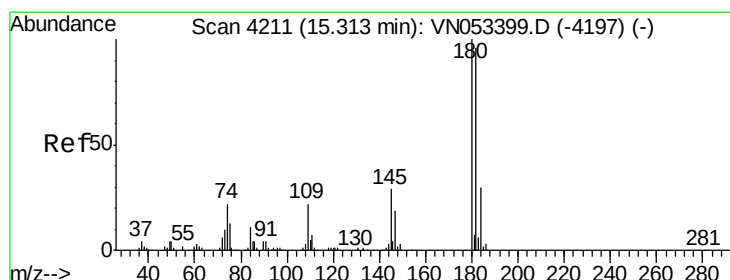
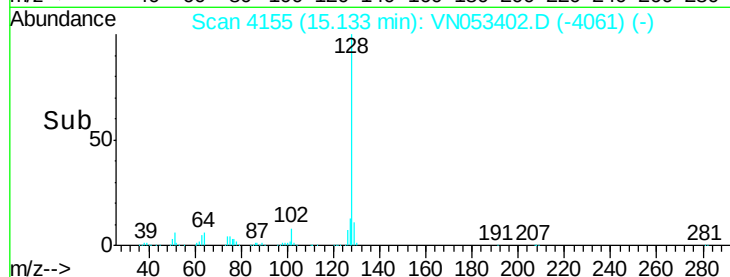
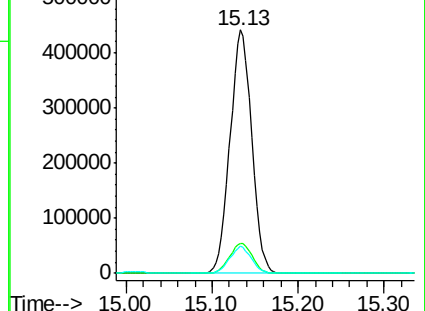
129 10.8 8.7 13.1



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: 51.936 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

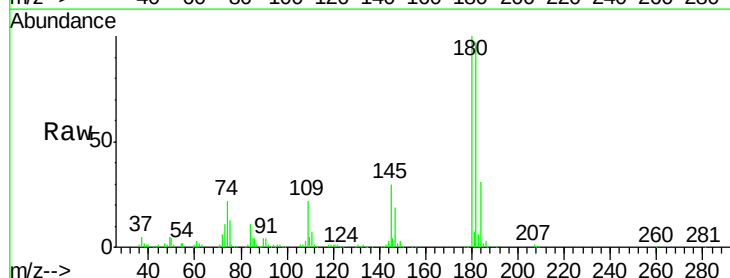
Tgt Ion:180 Resp: 324258

Ion Ratio Lower Upper

180 100

182 97.0 48.4 145.0

145 29.8 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

