

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053405.D
 Acq On : 15 Jan 2019 14:00
 Operator : JC/SP
 Sample : VN0115WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

Quant Time: Jan 16 03:38:50 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	7.67	168	889050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1347333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1211573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572734	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	459299	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.59	113	395987	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	10.09	98	1650370	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	574725	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	147053	20.573	ug/l	98
3) Chloromethane	2.06	50	208979	20.448	ug/l	99
4) Vinyl Chloride	2.19	62	196710	19.968	ug/l	100
5) Bromomethane	2.56	94	138647	20.511	ug/l	99
6) Chloroethane	2.71	64	120480	20.228	ug/l	99
7) Trichlorofluoromethane	3.02	101	267512	20.760	ug/l	100
8) Diethyl Ether	3.41	74	105538	21.807	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	168061	20.594	ug/l	100
10) Methyl Iodide	3.96	142	252597	20.255	ug/l	100
11) Tert butyl alcohol	4.78	59	54643	127.081	ug/l	100
12) 1,1-Dichloroethene	3.74	96	162250	20.498	ug/l	99
13) Acrolein	3.61	56	85438	115.305	ug/l	99
14) Allyl chloride	4.33	41	272430	21.189	ug/l	95
15) Acrylonitrile	4.99	53	324696	114.743	ug/l	99
16) Acetone	3.81	43	218405	105.935	ug/l	100
17) Carbon Disulfide	4.06	76	481757	20.126	ug/l	99
18) Methyl Acetate	4.33	43	153562	22.108	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	464404	22.081	ug/l	99
20) Methylene Chloride	4.55	84	190263	20.214	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	175778	20.772	ug/l	99
22) Diisopropyl ether	5.95	45	574411	21.401	ug/l	97
23) Vinyl Acetate	5.90	43	1838995	111.460	ug/l	99
24) 1,1-Dichloroethane	5.85	63	331811	20.912	ug/l	99
25) 2-Butanone	6.84	43	365069	114.907	ug/l	98
26) 2,2-Dichloropropane	6.83	77	246656	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	205272	21.213	ug/l	99
28) Bromochloromethane	7.19	49	150084	21.471	ug/l	100
29) Tetrahydrofuran	7.21	42	244015	117.979	ug/l	97
30) Chloroform	7.37	83	324260	20.975	ug/l	98
31) Cyclohexane	7.66	56	320208	20.605	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	268950	20.509	ug/l	100
36) 1,1-Dichloropropene	7.80	75	249502	20.334	ug/l	100
37) Ethyl Acetate	6.93	43	163608	22.985	ug/l	100
38) Carbon Tetrachloride	7.78	117	235384	20.262	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	311601	20.546	ug/l	99
40) Benzene	8.04	78	768073	20.599	ug/l	99
41) Methacrylonitrile	7.17	41	89893	20.423	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	227921	20.982	ug/l	99
43) Isopropyl Acetate	8.17	43	300591	22.678	ug/l	98
44) Trichloroethene	8.84	130	210137	20.322	ug/l	100
45) 1,2-Dichloropropane	9.12	63	205183	20.775	ug/l	100
46) Dibromomethane	9.21	93	118031	20.801	ug/l	100
47) Bromodichloromethane	9.40	83	241961	20.277	ug/l	99
48) Methyl methacrylate	9.20	41	143070	21.829	ug/l	99
49) 1,4-Dioxane	9.20	88	30826	481.589	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	808772	116.715	ug/l	99
52) Toluene	10.16	92	478566	20.674	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	253789	20.983	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	297089	20.953	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172617	21.629	ug/l	99
56) Ethyl methacrylate	10.43	69	226719	21.251	ug/l	99
57) 1,3-Dichloropropane	10.71	76	292447	21.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	611566	109.535	ug/l	100
59) 2-Hexanone	10.75	43	562834	115.705	ug/l	100
60) Dibromochloromethane	10.90	129	187235	20.684	ug/l	100
61) 1,2-Dibromoethane	11.01	107	172759	21.404	ug/l	98
64) Tetrachloroethene	10.63	164	224734	19.683	ug/l	99
65) Chlorobenzene	11.43	112	526525	20.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184190	20.646	ug/l	99
67) Ethyl Benzene	11.51	91	907657	20.768	ug/l	100
68) m/p-Xylenes	11.62	106	694813	42.107	ug/l	100
69) o-Xylene	11.95	106	332147	20.715	ug/l	98
70) Styrene	11.96	104	553181	21.257	ug/l	100
71) Bromoform	12.13	173	129301	21.052	ug/l #	100
73) Isopropylbenzene	12.25	105	896061	21.364	ug/l	100
74) N-amyl acetate	12.07	43	258662	23.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	201941	22.957	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	268426	37.224	ug/l #	100
77) Bromobenzene	12.53	156	235103	21.273	ug/l	99
78) n-propylbenzene	12.59	91	1021948	21.227	ug/l	100
79) 2-Chlorotoluene	12.68	91	600160	21.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	733615	21.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	60200	21.696	ug/l	98
82) 4-Chlorotoluene	12.77	91	617347	21.214	ug/l	99
83) tert-Butylbenzene	12.99	119	645529	21.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	735236	21.368	ug/l	99
85) sec-Butylbenzene	13.17	105	880575	21.303	ug/l	100
86) p-Isopropyltoluene	13.29	119	761776	21.225	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	410093	21.095	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	404618	20.749	ug/l	99
89) n-Butylbenzene	13.62	91	633822	20.718	ug/l	99
90) Hexachloroethane	13.88	117	116662	20.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	394552	22.060	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27226	24.410	ug/l	97

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QLast Update : Tue Jan 15 11:52:35 2019
Response via : Initial Calibration

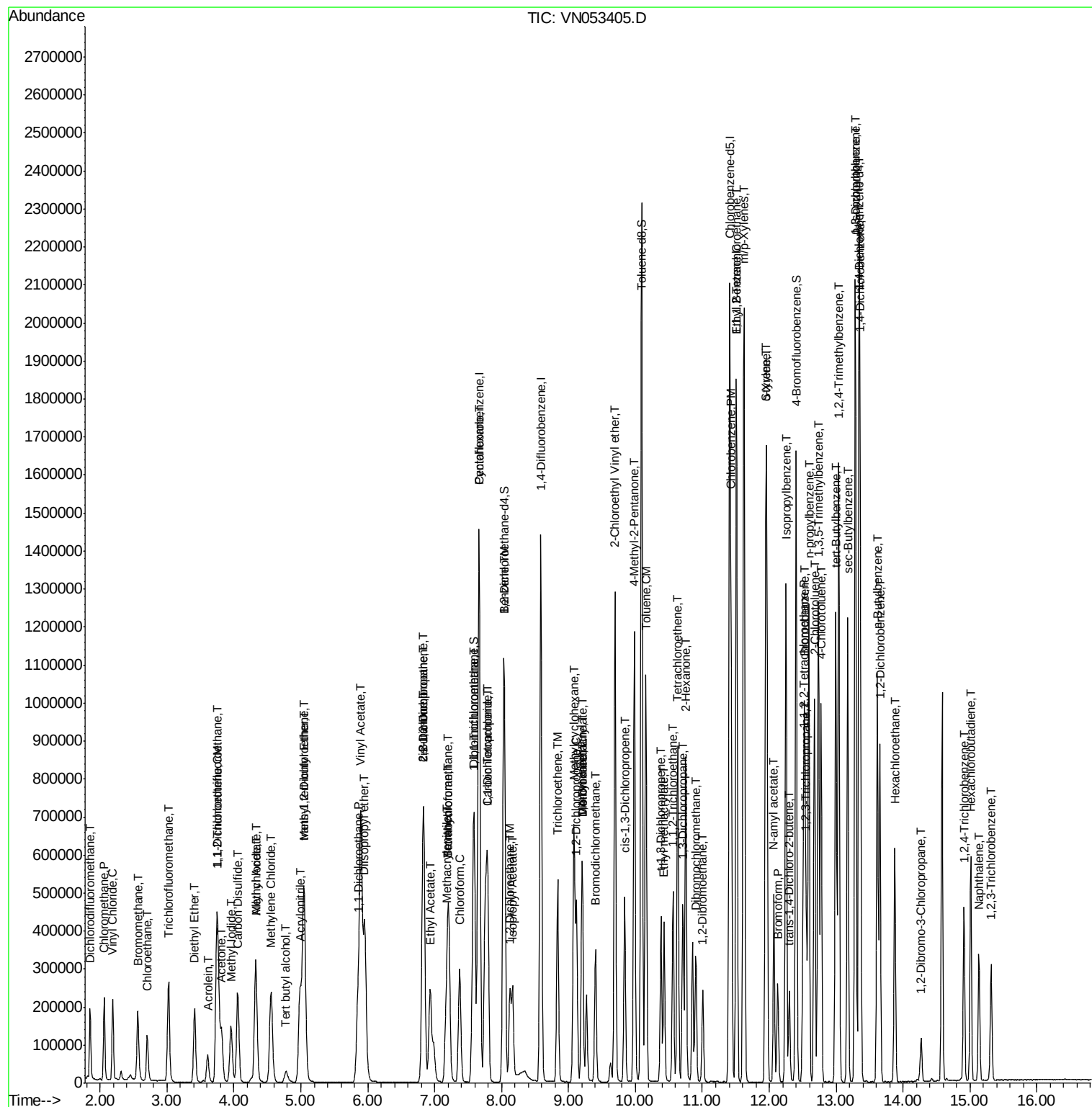
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163118	22.293	ug/l	99
94) Hexachlorobutadiene	15.01	225	126392	22.654	ug/l	98
95) Naphthalene	15.13	128	290776	23.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	120331	23.116	ug/l	98

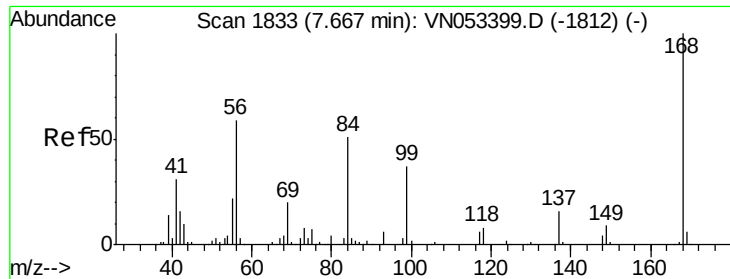
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

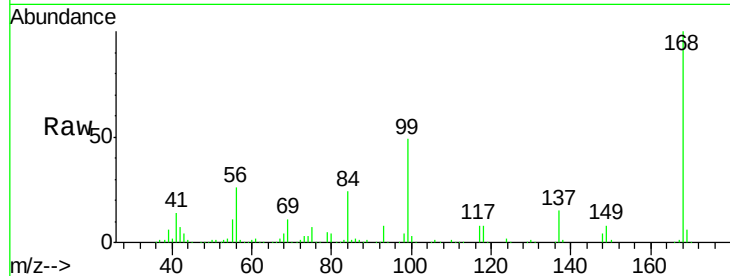
VN0115WBSD01

Tot Ion:168 Resp: 889050

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

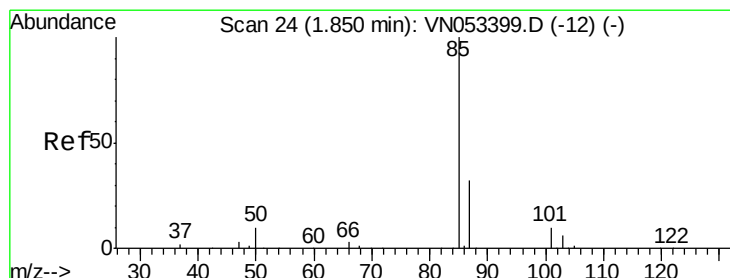
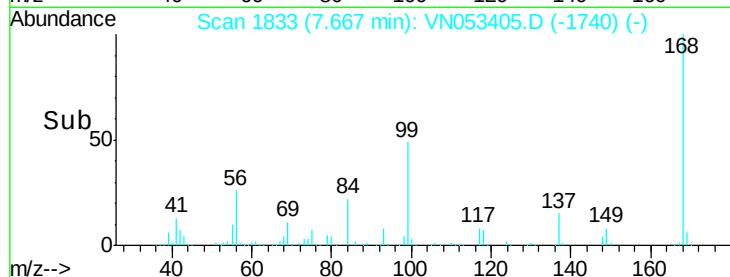
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.573 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053405.D

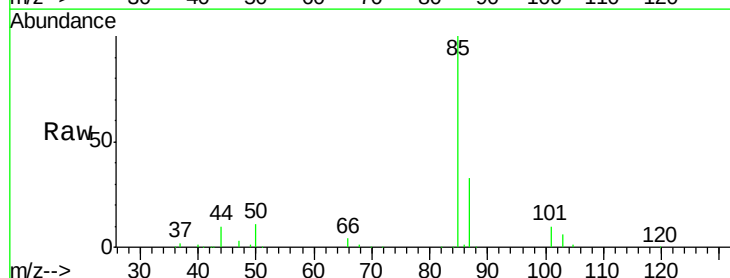
Acq: 15 Jan 2019 14:00

Tgt Ion: 85 Resp: 147053

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

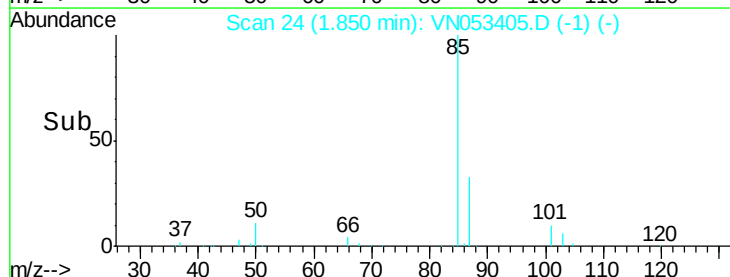
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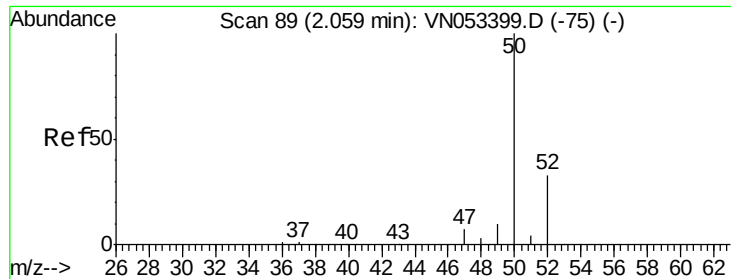
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.448 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

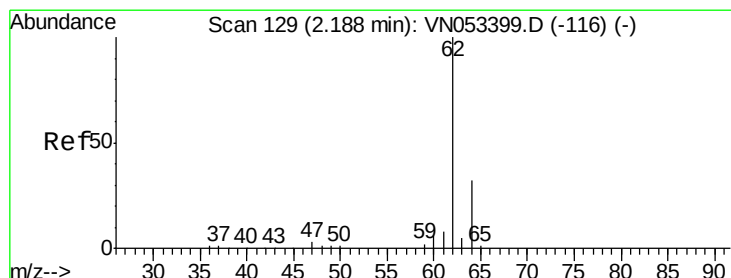
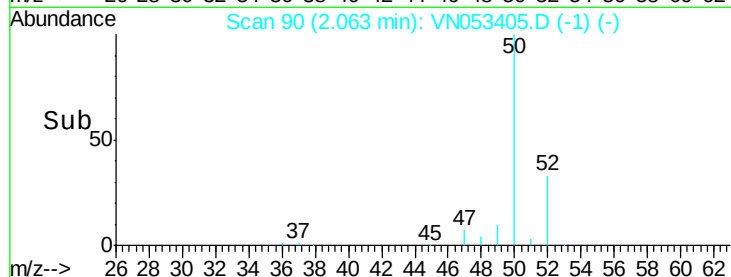
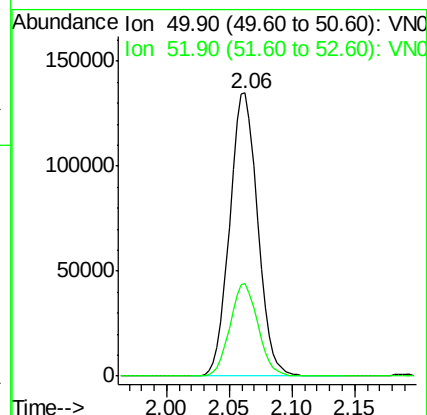
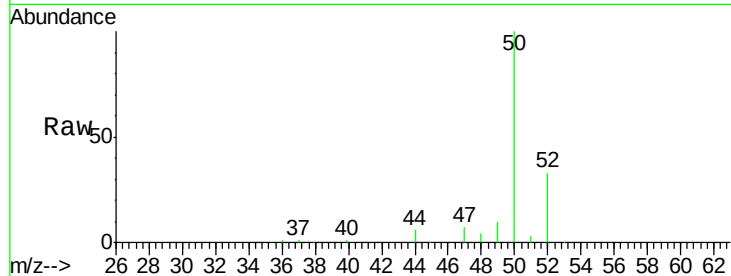
VN0115WBSD01

Tot Ion: 50 Resp: 208979

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



#4

Vinyl Chloride

Concen: 19.968 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053405.D

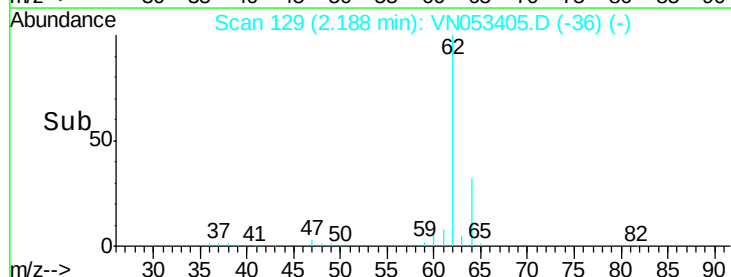
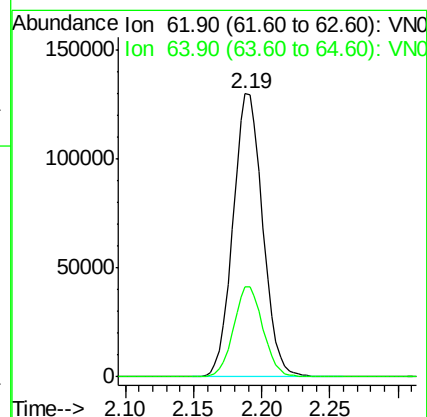
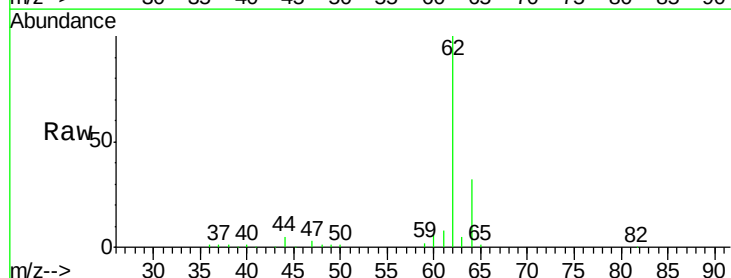
Acq: 15 Jan 2019 14:00

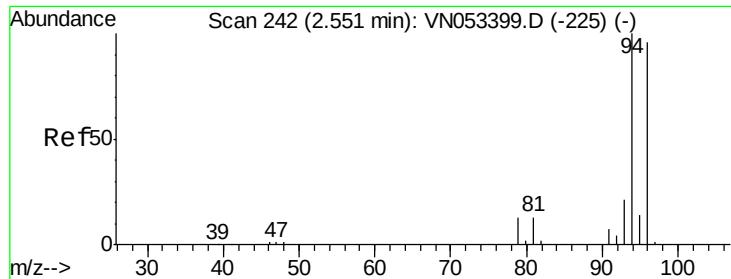
Tgt Ion: 62 Resp: 196710

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4

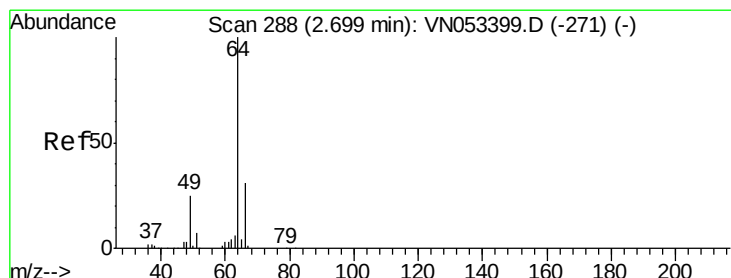
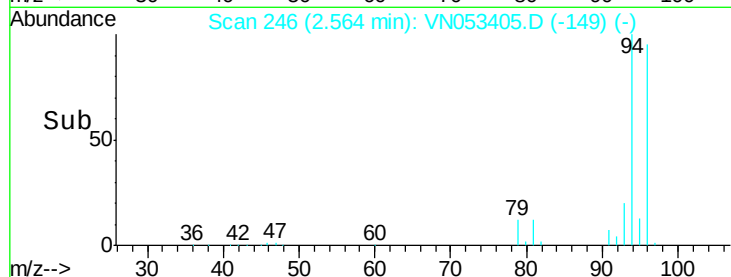
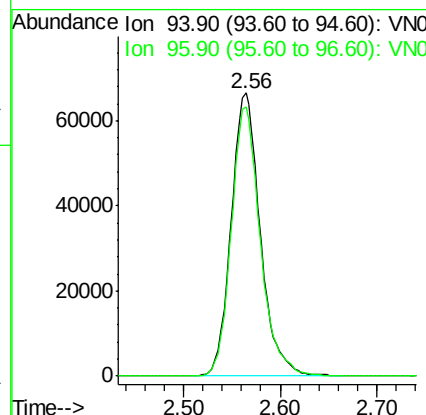
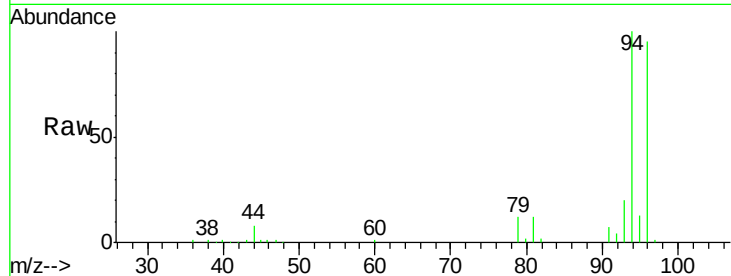




#5
Bromomethane
Concen: 20.511 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

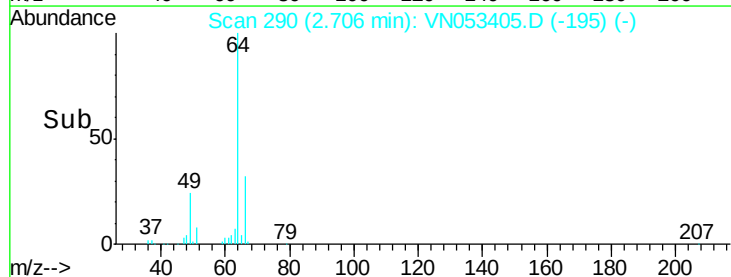
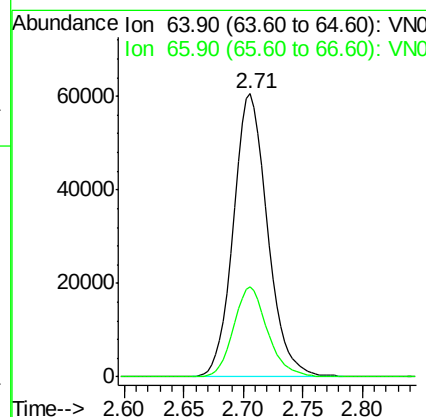
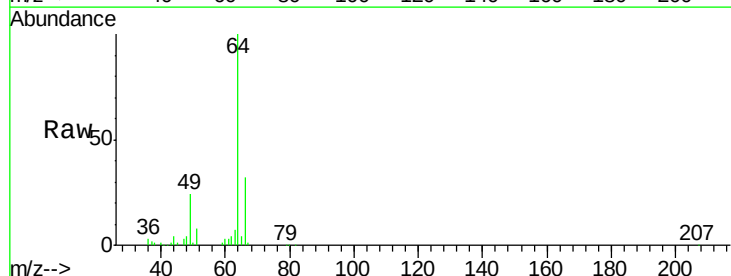
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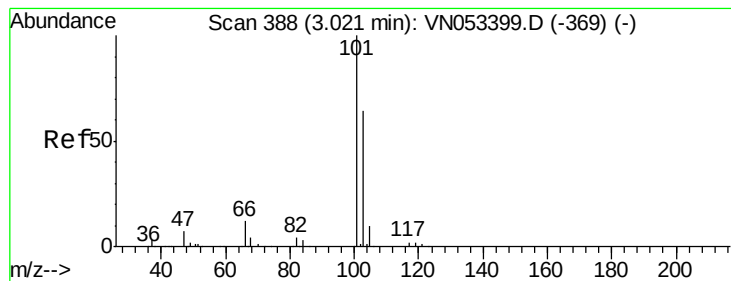
Tot Ion: 94 Resp: 138647
Ion Ratio Lower Upper
94 100
96 95.0 74.9 112.3



#6
Chloroethane
Concen: 20.228 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 64 Resp: 120480
Ion Ratio Lower Upper
64 100
66 31.7 25.6 38.4



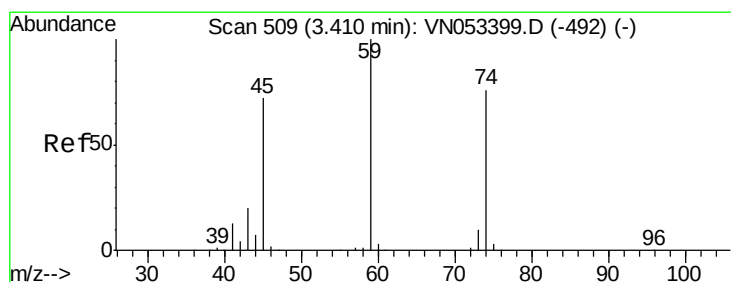
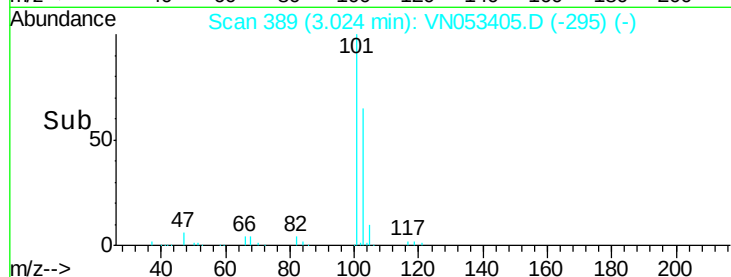
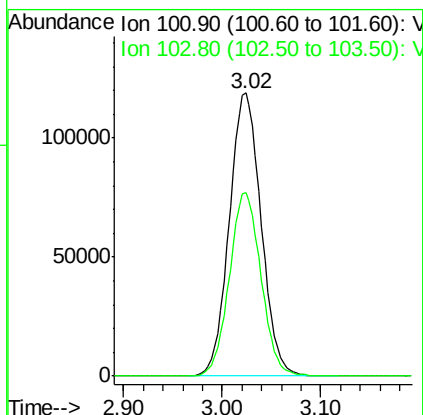
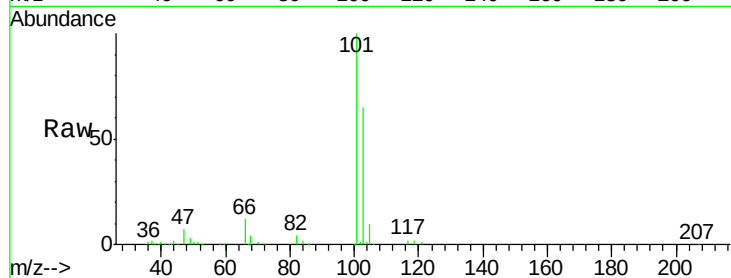


#7

Trichlorofluoromethane
 Concen: 20.760 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
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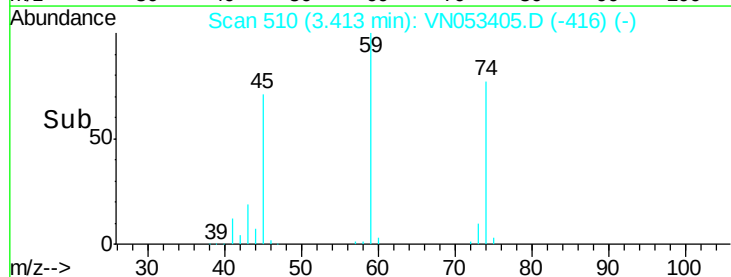
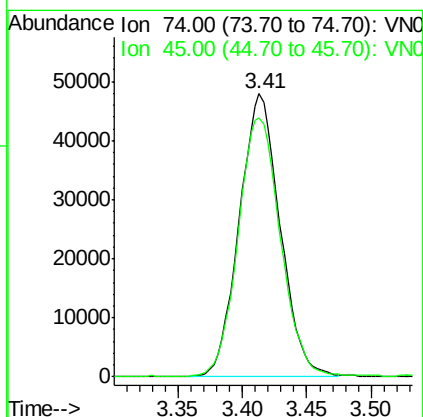
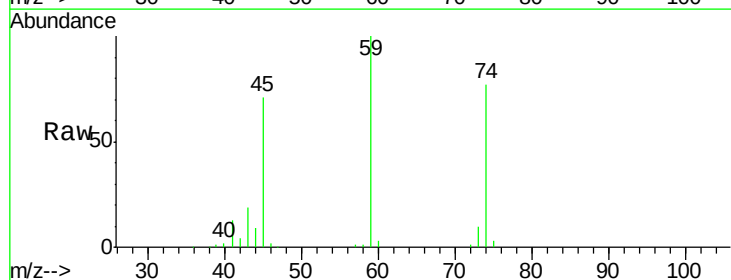
Tot Ion:101 Resp: 267512
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.1 78.1

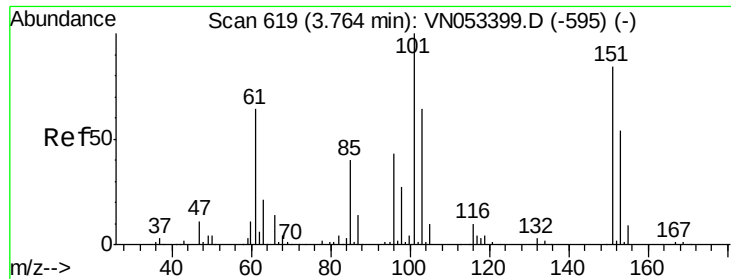


#8

Diethyl Ether
 Concen: 21.807 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 74 Resp: 105538
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.594 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

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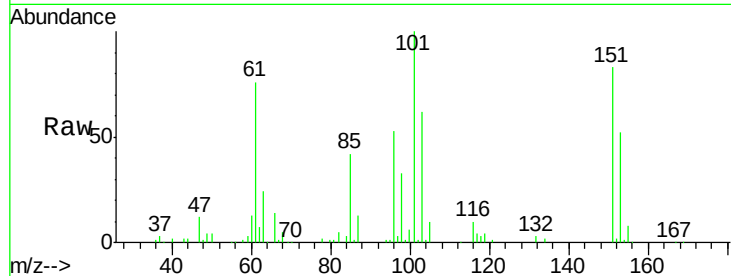
Tot Ion:101 Resp: 168061

Ion Ratio Lower Upper

101 100

85 41.6 33.3 49.9

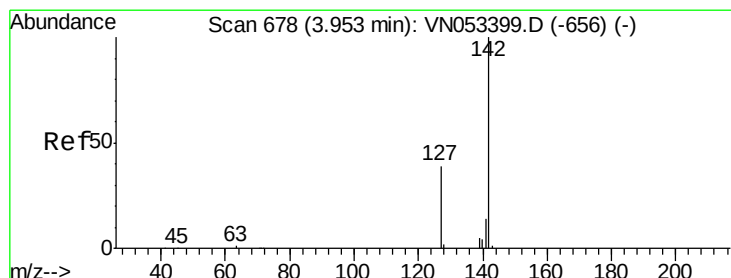
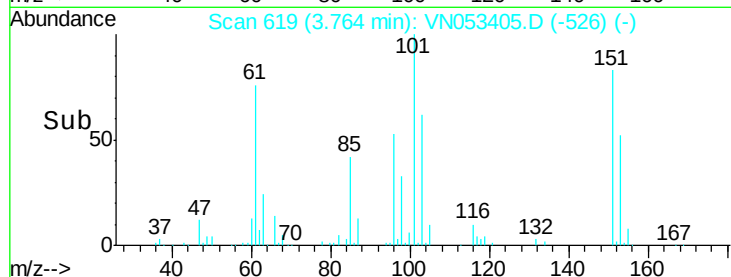
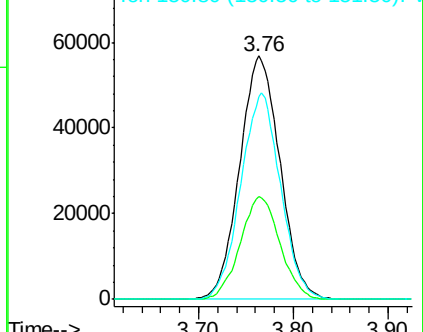
151 83.9 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.255 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

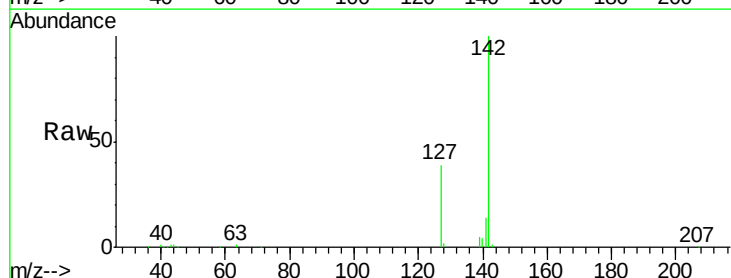
Tgt Ion:142 Resp: 252597

Ion Ratio Lower Upper

142 100

127 38.5 30.9 46.3

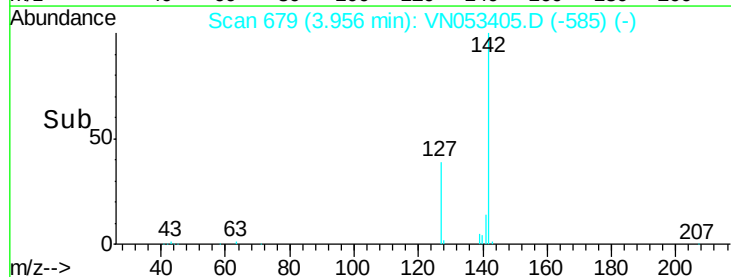
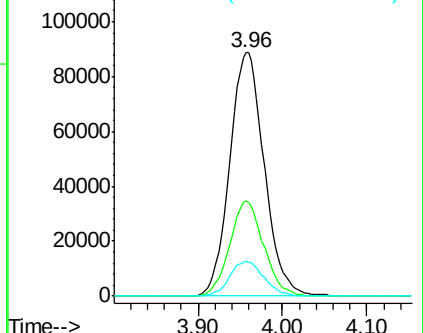
141 14.2 11.2 16.8

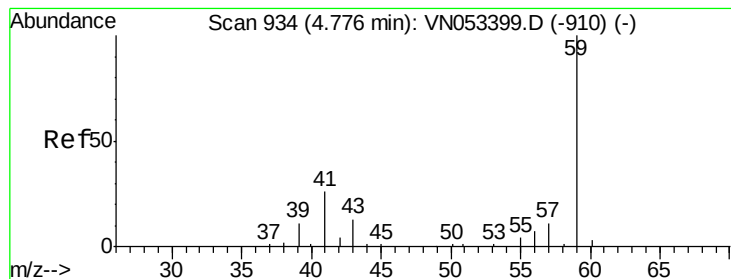


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



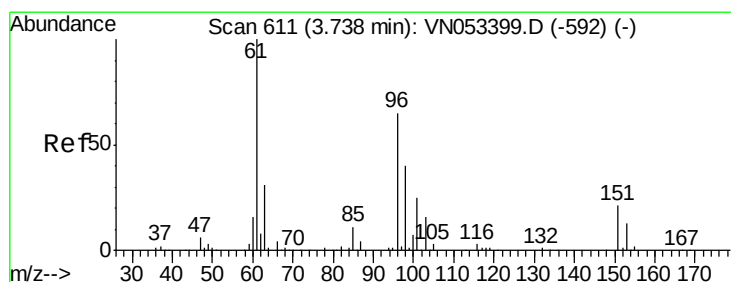
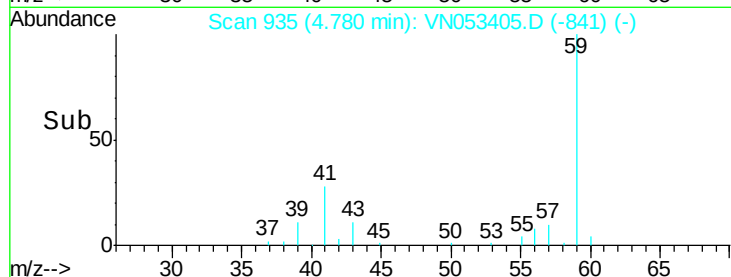
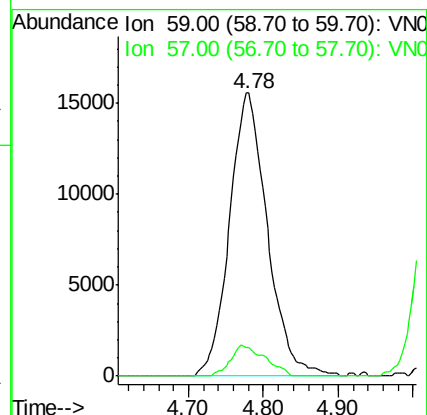
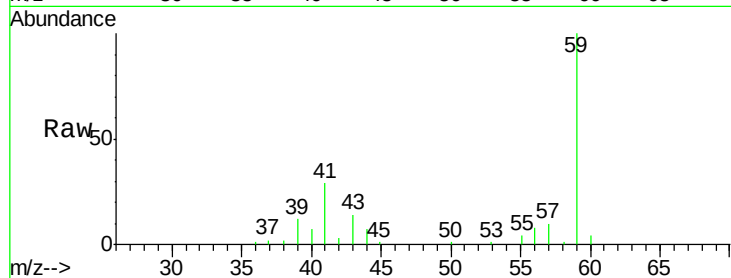


#11

Tert butyl alcohol
Concen: 127.081 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

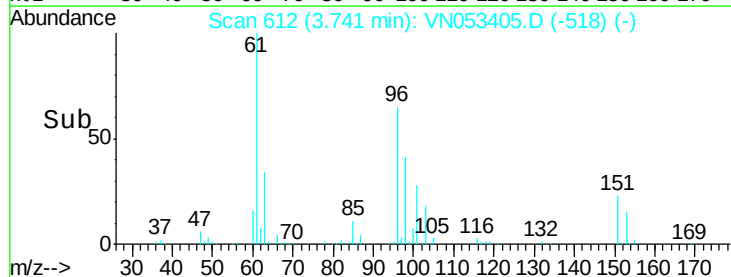
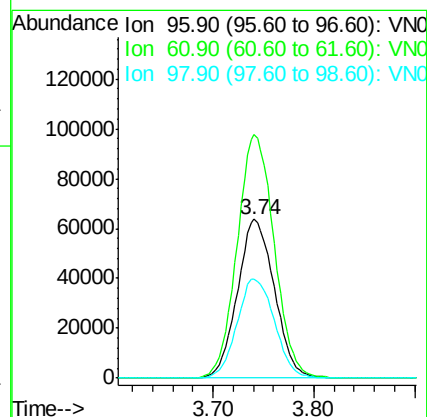
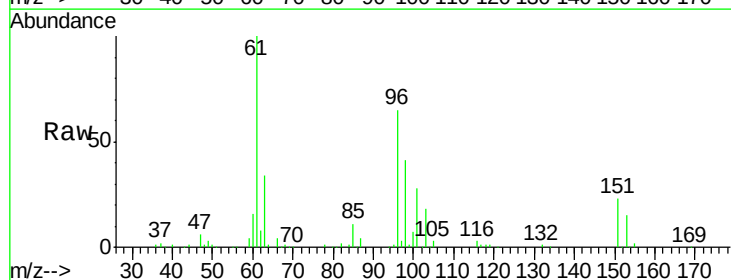
Tot Ion: 59 Resp: 54643
Ion Ratio Lower Upper
59 100
57 9.9 8.0 12.0

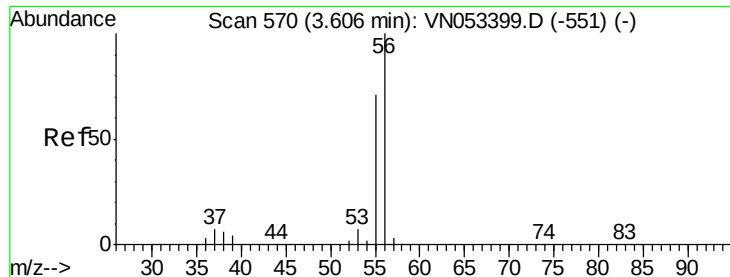


#12

1,1-Dichloroethene
Concen: 20.498 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 96 Resp: 162250
Ion Ratio Lower Upper
96 100
61 153.1 123.2 184.8
98 62.4 50.5 75.7

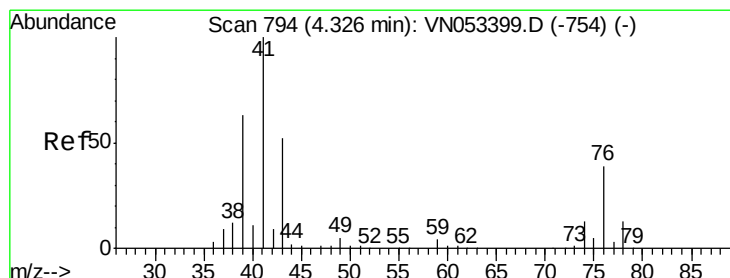
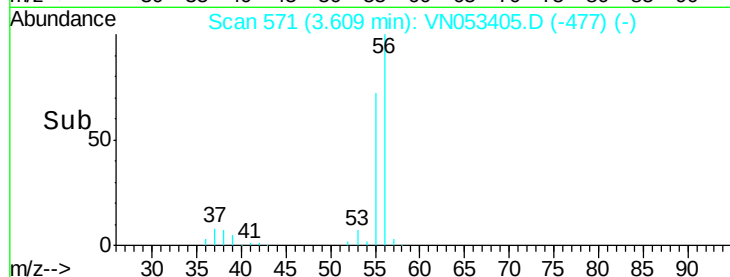
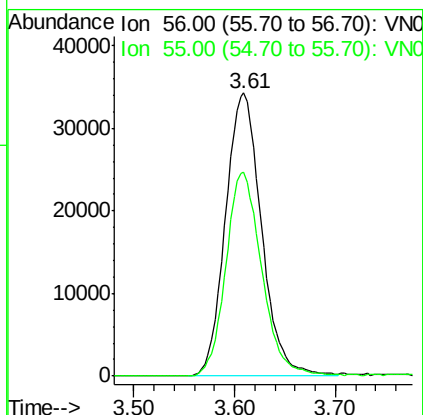
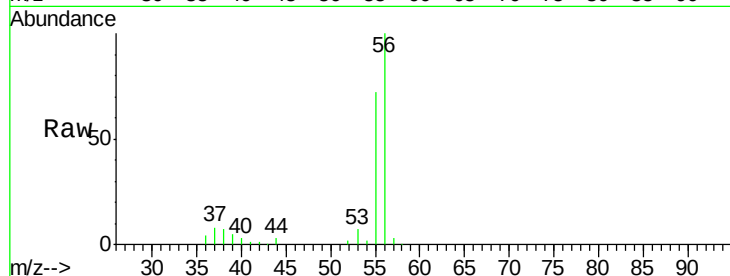




#13
Acrolein
Concen: 115.305 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

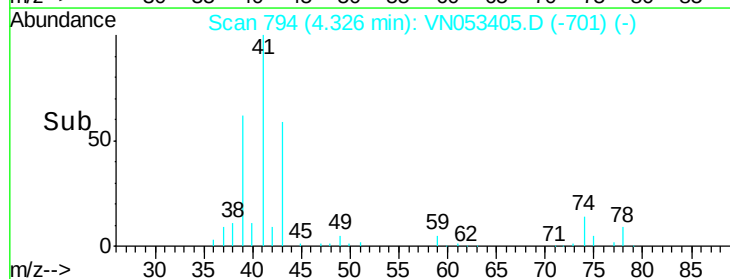
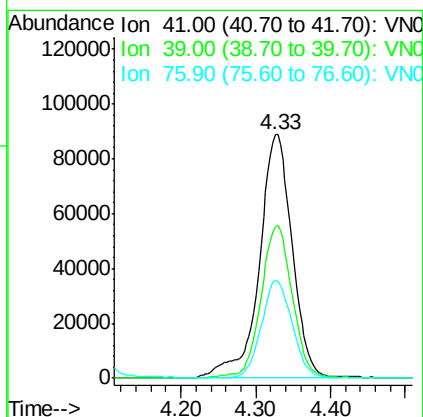
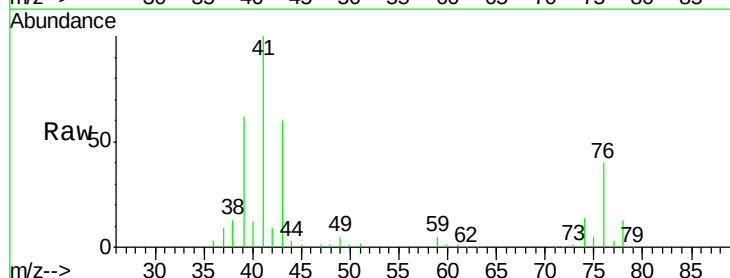
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

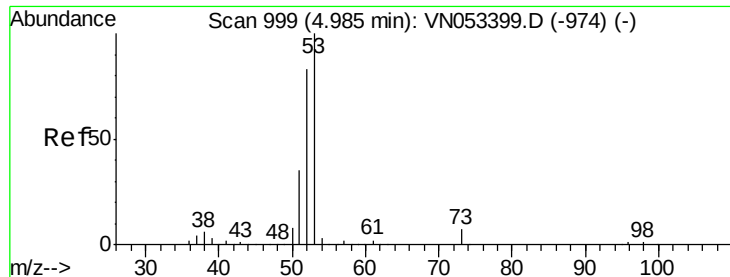
Tot Ion: 56 Resp: 85438
Ion Ratio Lower Upper
56 100
55 71.5 56.3 84.5



#14
Allyl chloride
Concen: 21.189 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 41 Resp: 272430
Ion Ratio Lower Upper
41 100
39 59.6 51.9 77.9
76 37.5 31.2 46.8





#15

Acrylonitrile

Concen: 114.743 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

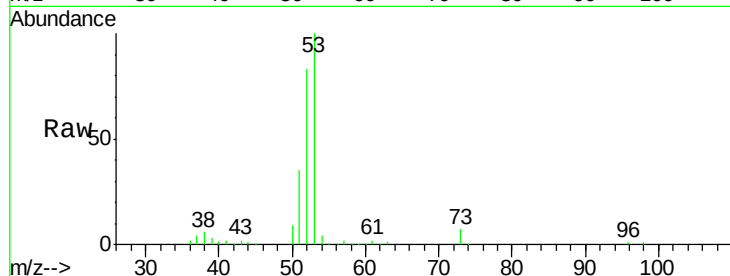
Tot Ion: 53 Resp: 324696

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

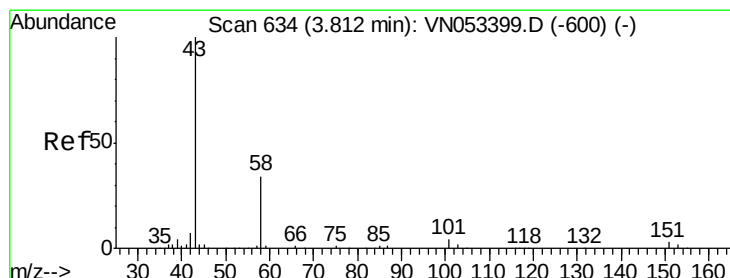
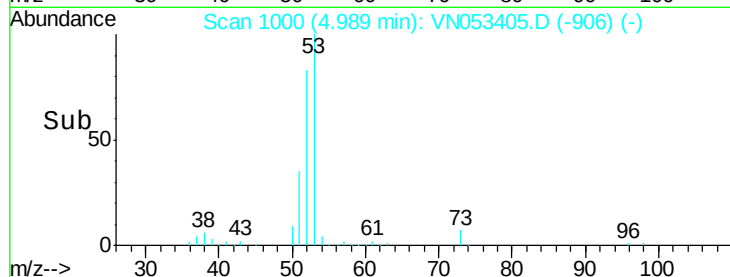
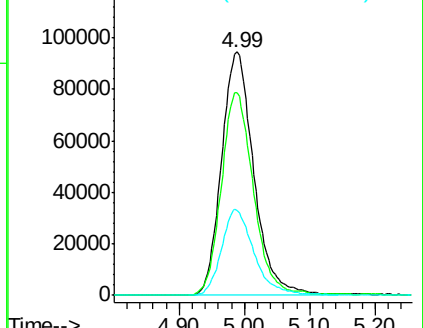
51 35.5 28.0 42.0



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: 105.935 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053405.D

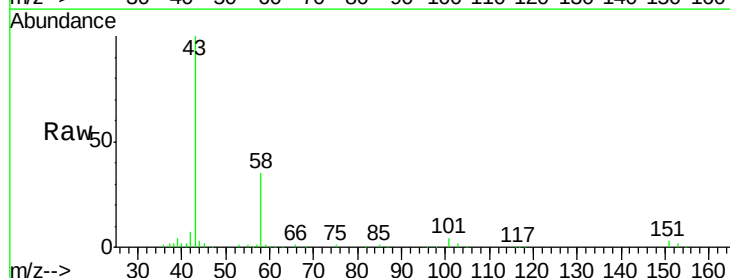
Acq: 15 Jan 2019 14:00

Tgt Ion: 43 Resp: 218405

Ion Ratio Lower Upper

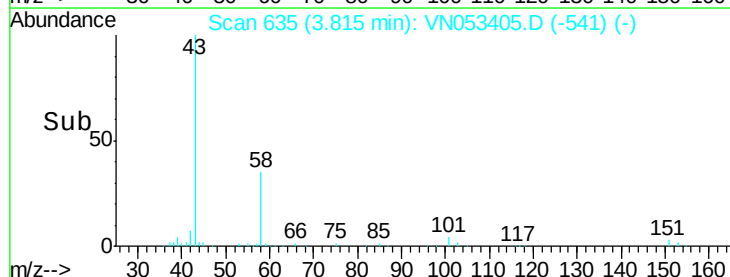
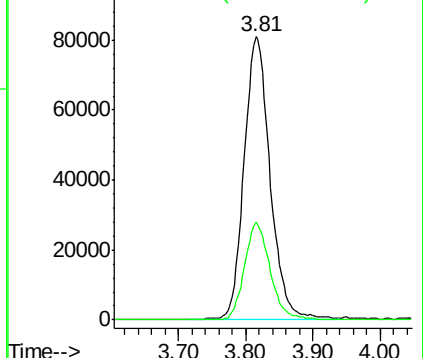
43 100

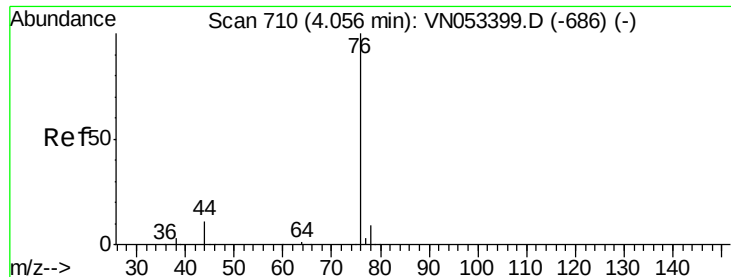
58 34.5 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.126 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

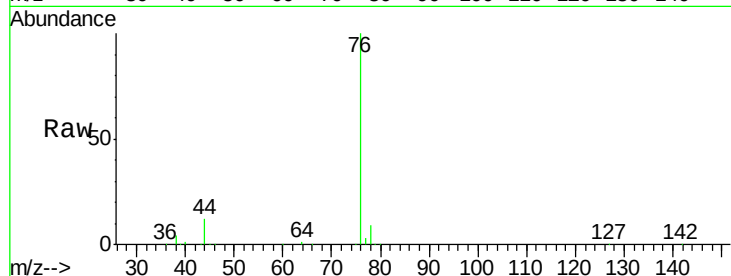
VN0115WBSD01

Tot Ion: 76 Resp: 481757

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

200000

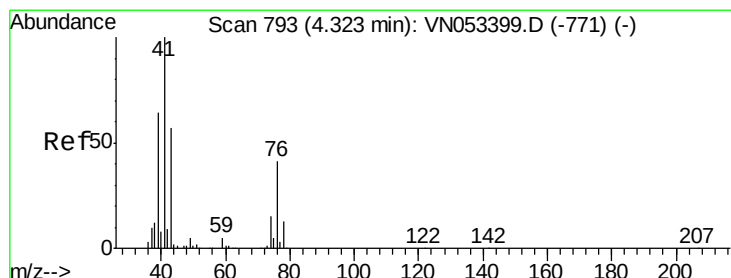
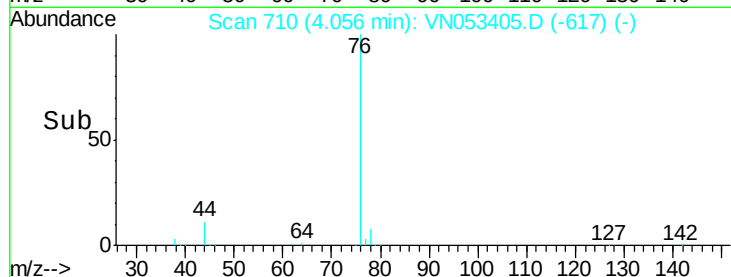
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.108 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053405.D

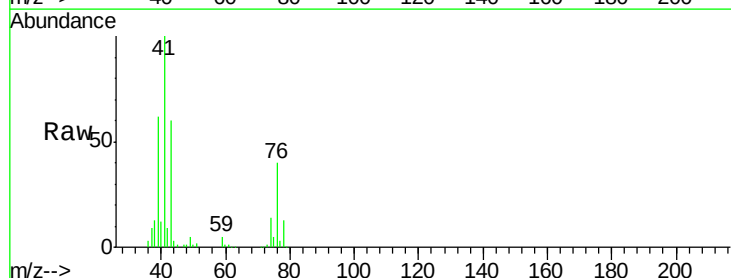
Acq: 15 Jan 2019 14:00

Tgt Ion: 43 Resp: 153562

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

50000

40000

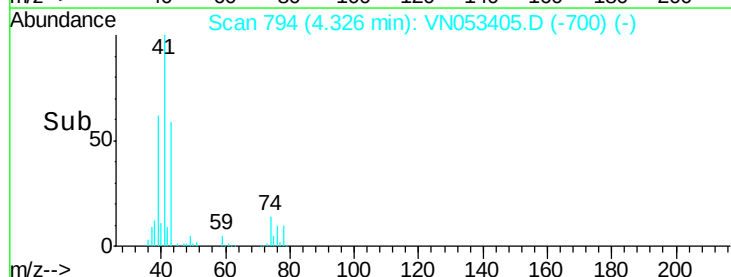
30000

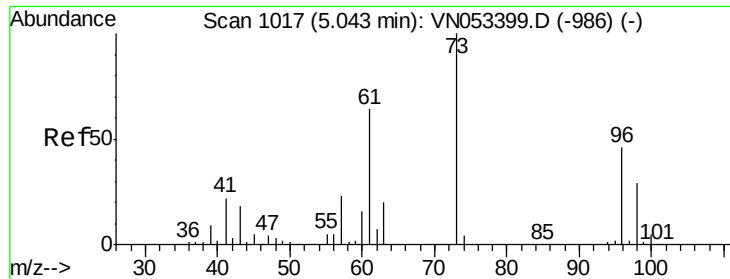
20000

10000

0

Time-->

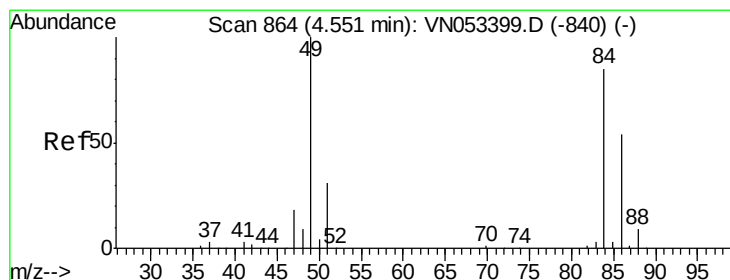
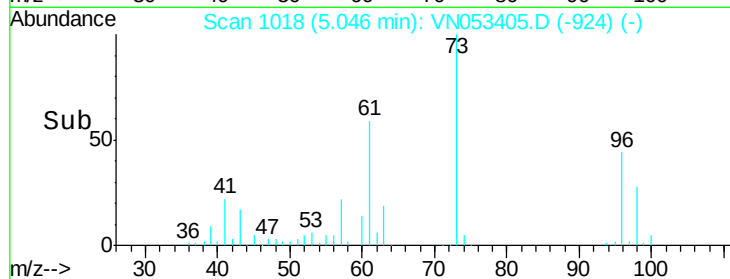
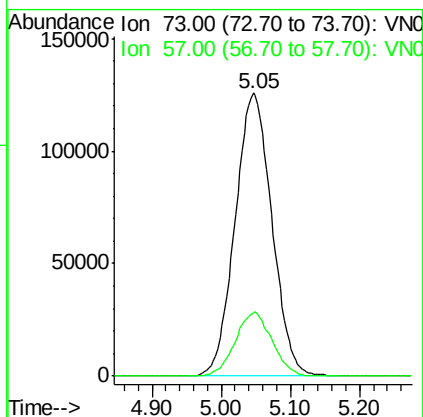
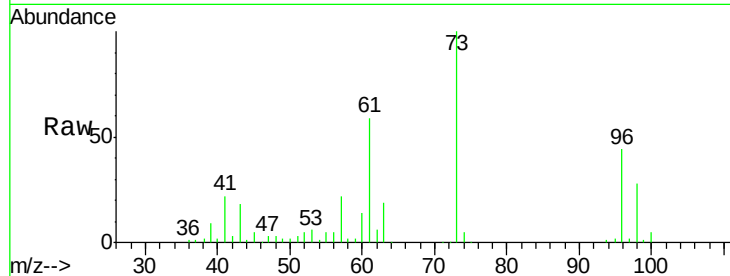




#19
Methvl tert-butvl Ether
Concen: 22.081 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

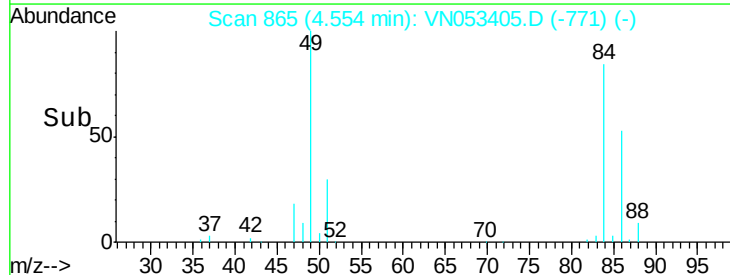
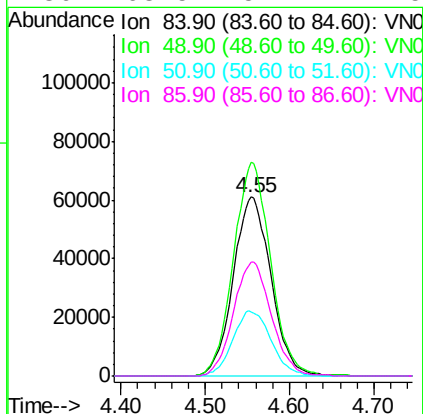
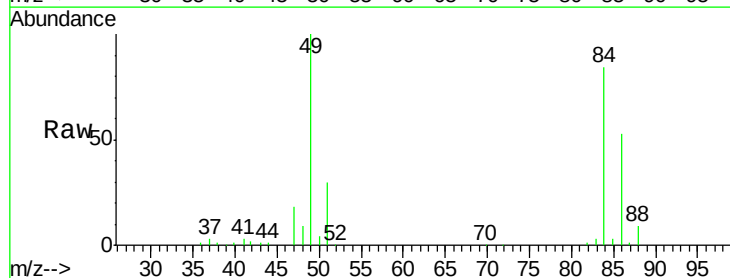
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

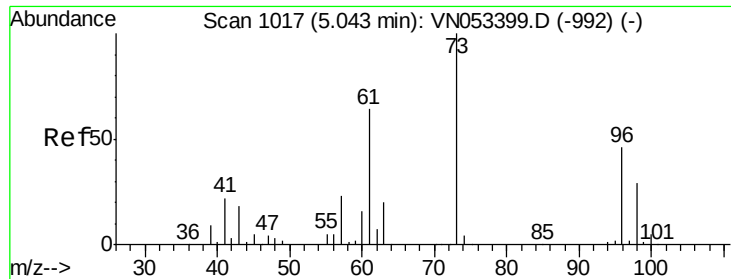
Tot Ion: 73 Resp: 464404
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#20
Methylene Chloride
Concen: 20.214 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 84 Resp: 190263
Ion Ratio Lower Upper
84 100
49 119.3 95.3 142.9
51 36.0 29.0 43.6
86 63.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.772 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

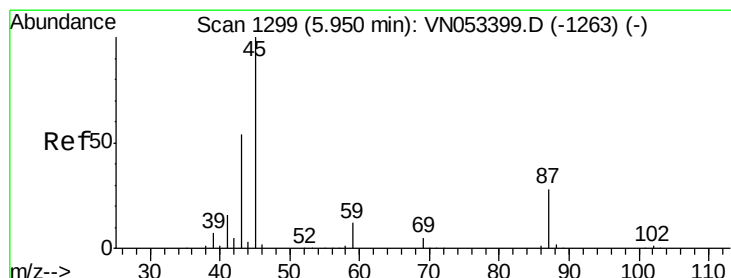
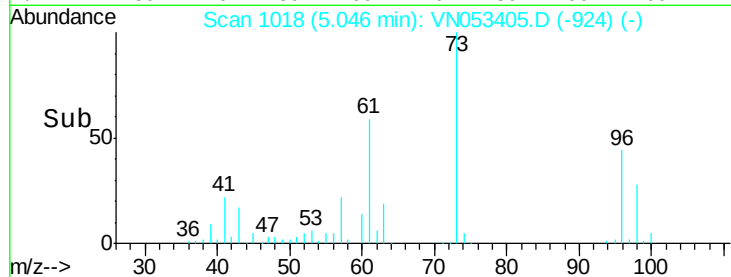
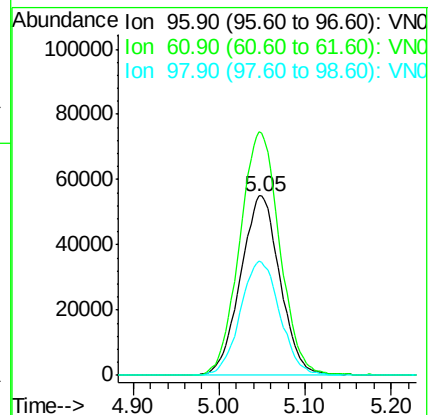
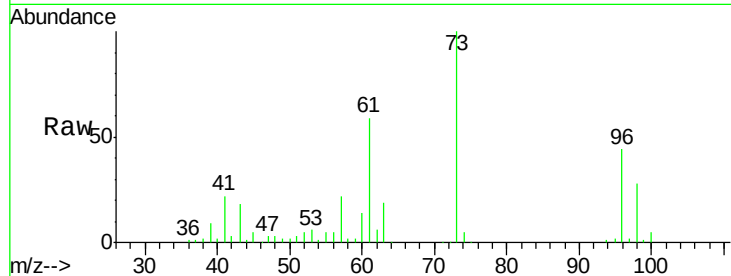
Tot Ion: 96 Resp: 175778

Ion Ratio Lower Upper

96 100

61 135.7 110.2 165.4

98 63.5 50.7 76.1



#22

Diisopropyl ether

Concen: 21.401 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion: 45 Resp: 574411

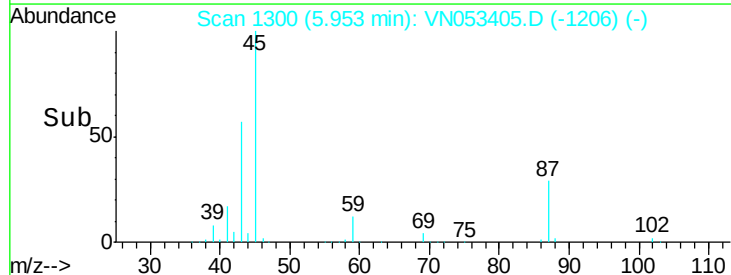
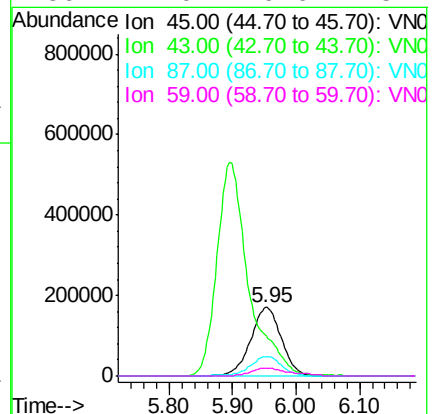
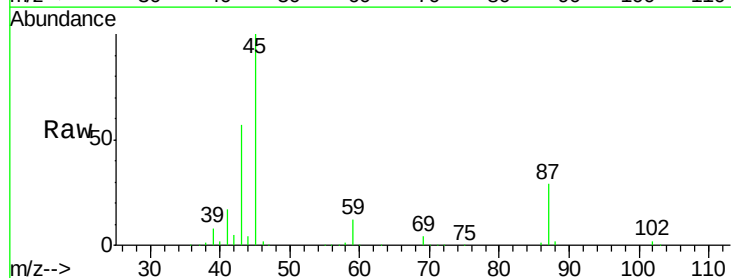
Ion Ratio Lower Upper

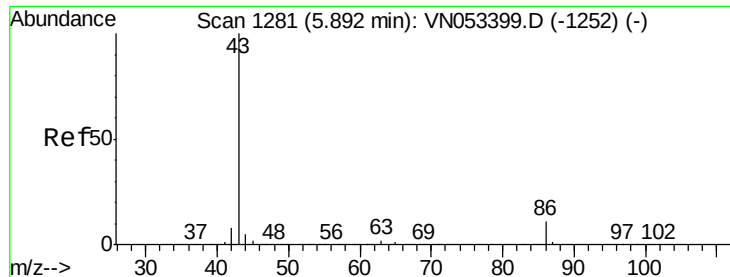
45 100

43 56.4 43.0 64.6

87 28.9 22.1 33.1

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 111.460 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

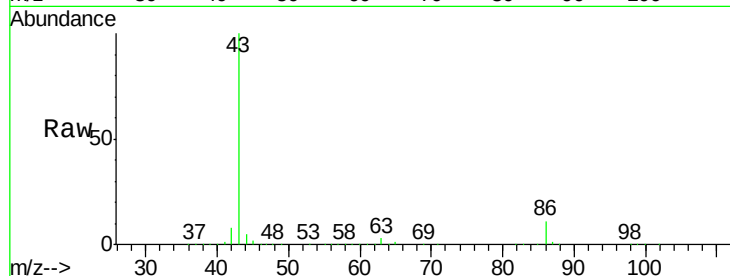
VN0115WBSD01

Tot Ion: 43 Resp: 1838995

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

5.90

600000

500000

400000

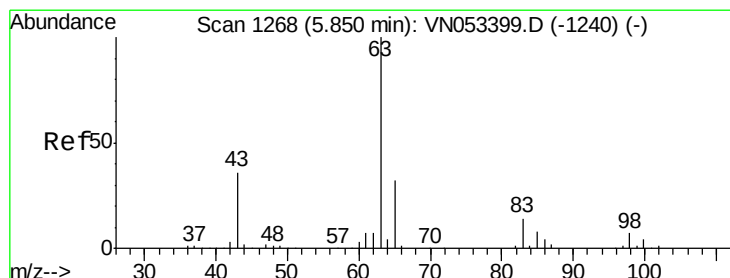
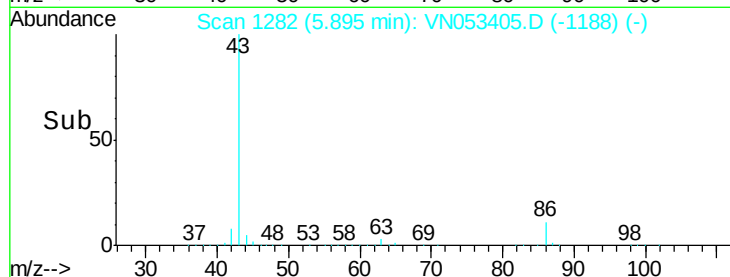
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.912 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

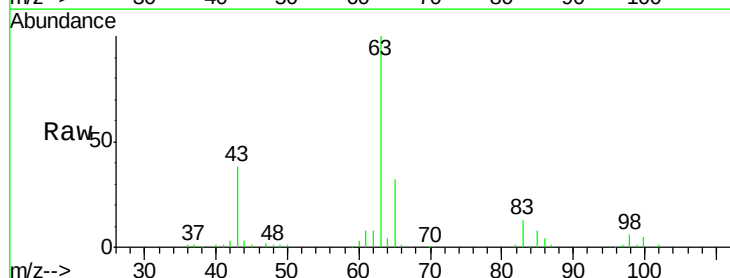
Tgt Ion: 63 Resp: 331811

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 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

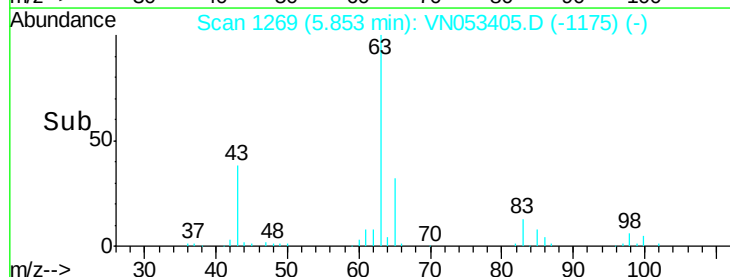
5.85

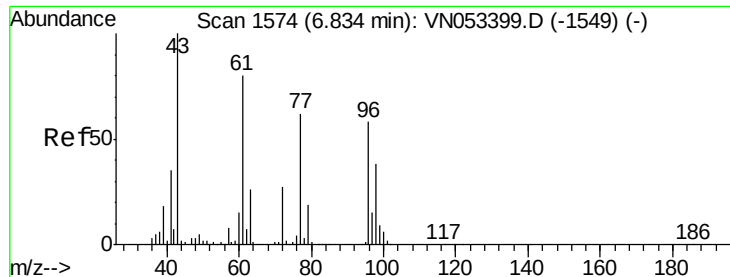
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 114.907 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampled :

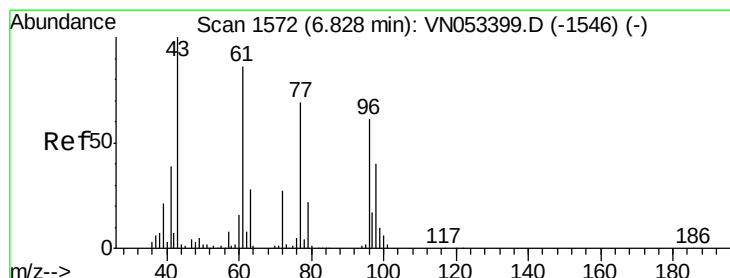
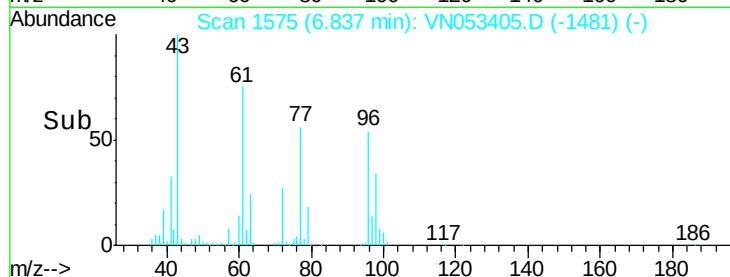
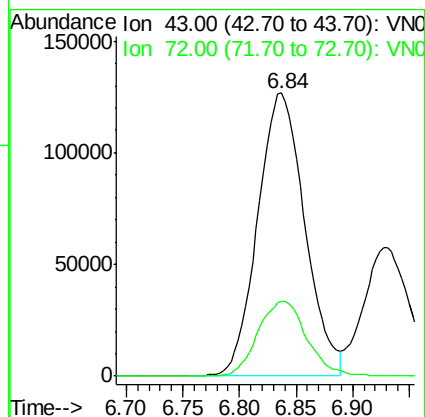
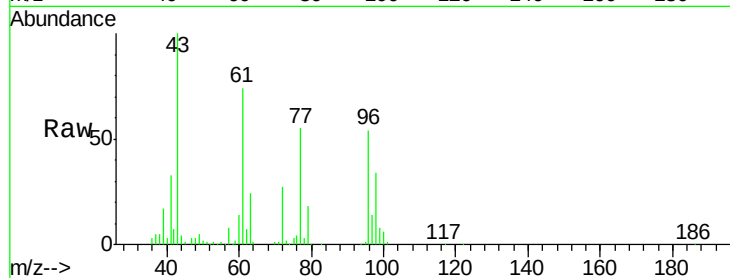
VN0115WBSD01

Tot Ion: 43 Resp: 365069

Ion Ratio Lower Upper

43 100

72 26.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.589 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053405.D

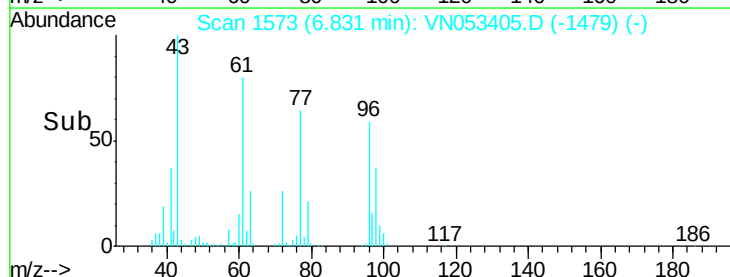
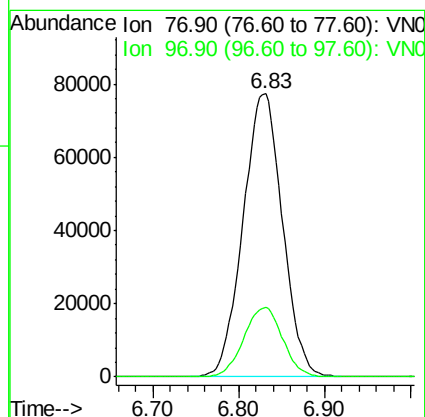
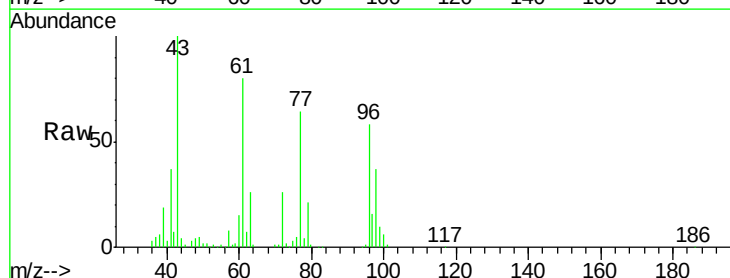
Acq: 15 Jan 2019 14:00

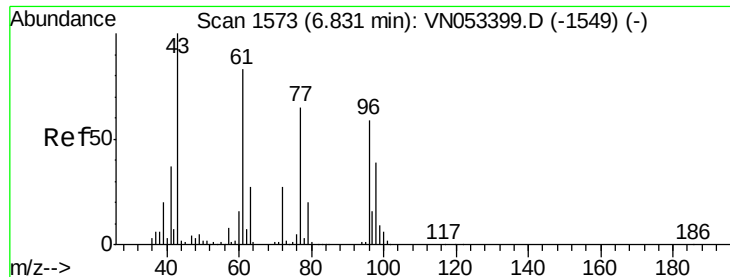
Tgt Ion: 77 Resp: 246656

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.213 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

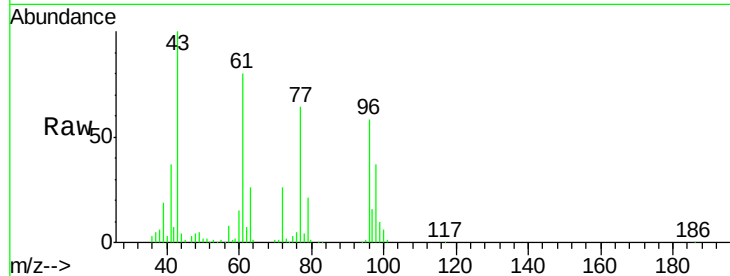
Tot Ion: 96 Resp: 205272

Ion Ratio Lower Upper

96 100

61 139.3 0.0 280.6

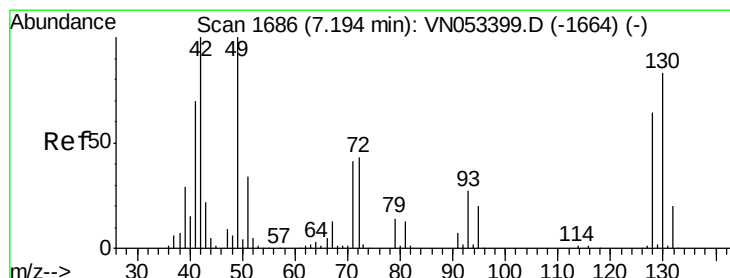
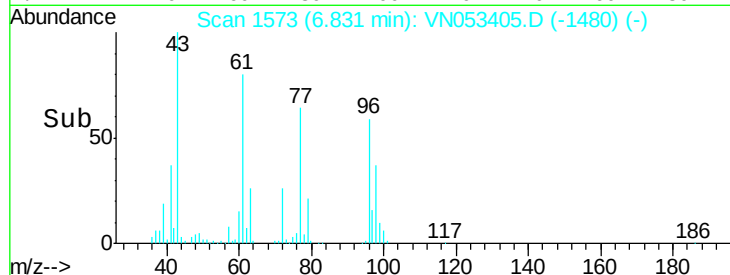
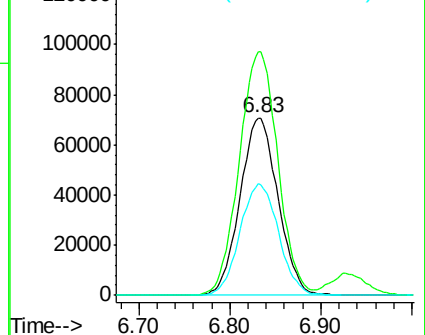
98 63.9 0.0 127.6



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: 21.471 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

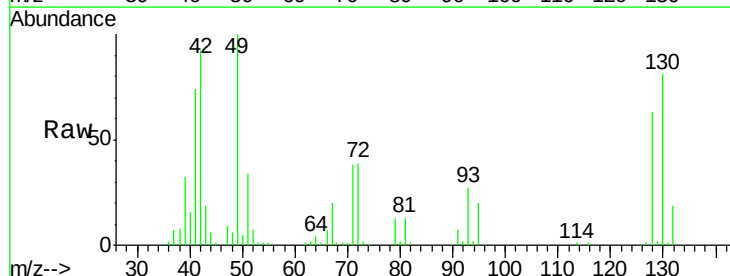
Tgt Ion: 49 Resp: 150084

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

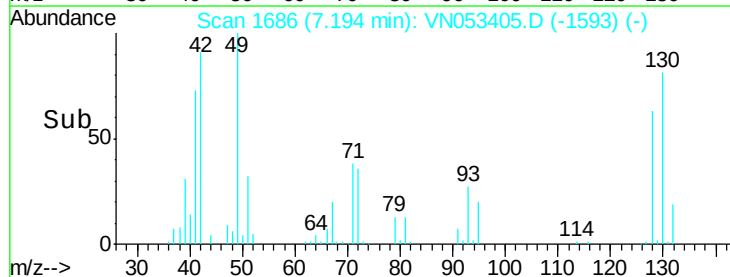
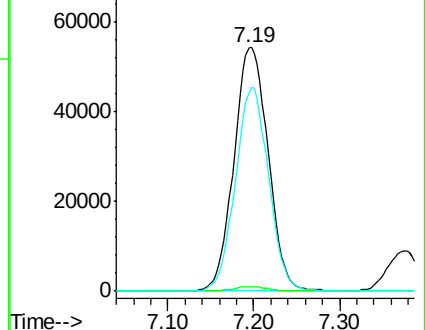
130 81.3 65.4 98.0

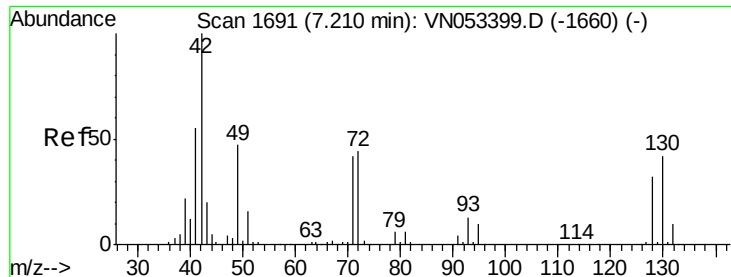


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

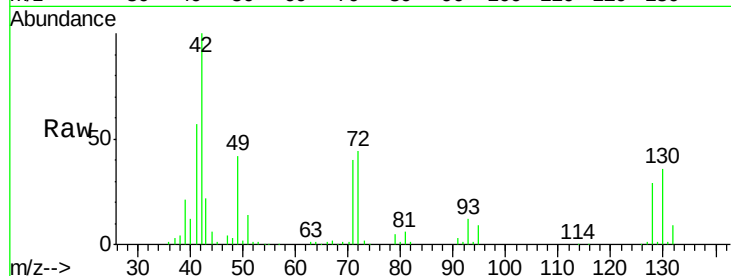




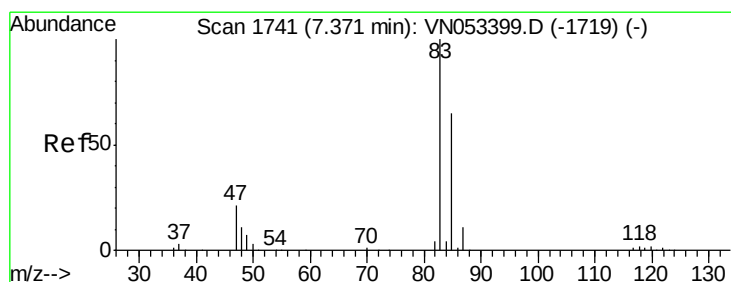
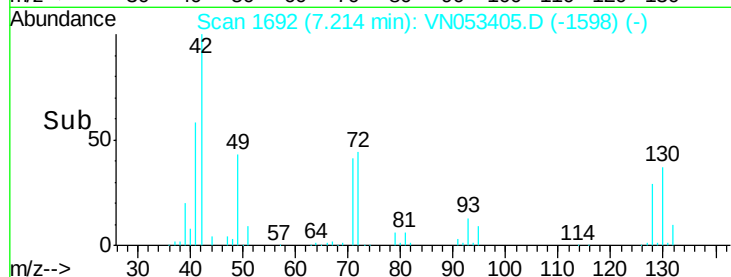
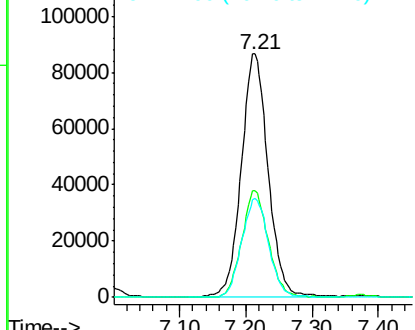
#29
Tetrahydrofuran
Concen: 117.979 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion: 42 Resp: 244015
Ion Ratio Lower Upper
42 100
72 42.9 35.6 53.4
71 40.6 33.8 50.8

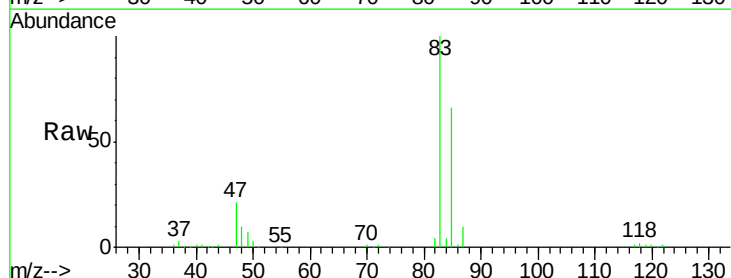


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

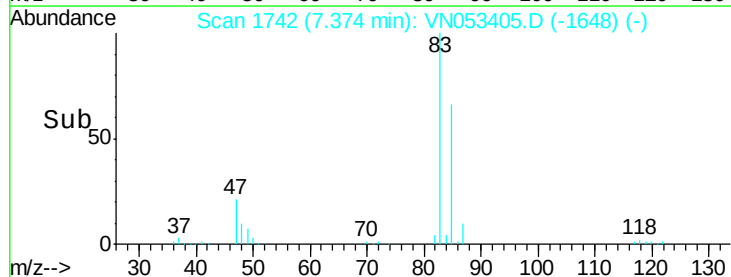
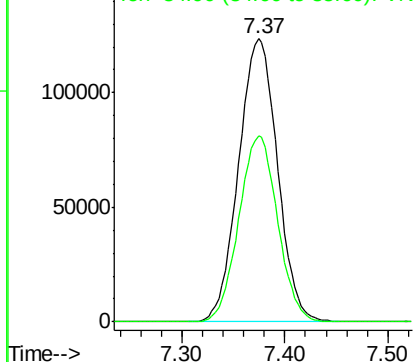


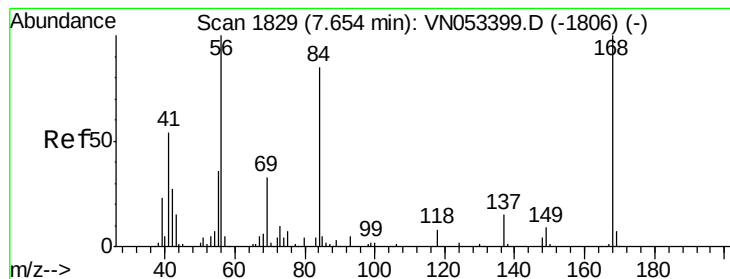
#30
Chloroform
Concen: 20.975 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 83 Resp: 324260
Ion Ratio Lower Upper
83 100
85 65.8 51.3 76.9



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





#31

Cyclohexane

Concen: 20.605 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

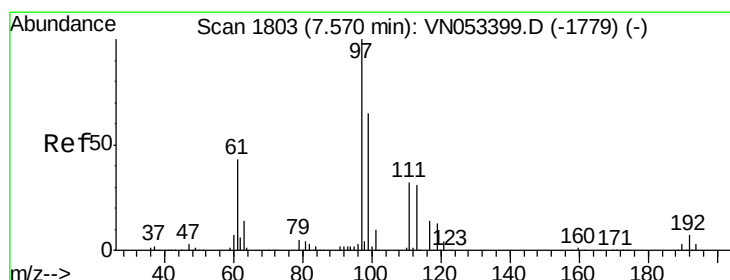
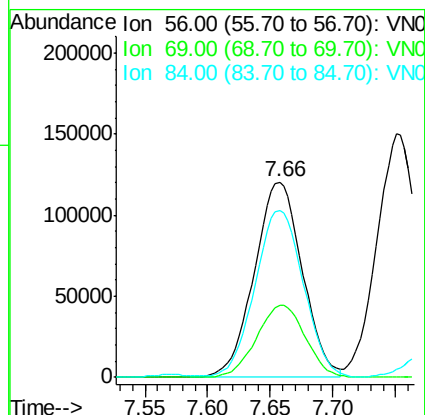
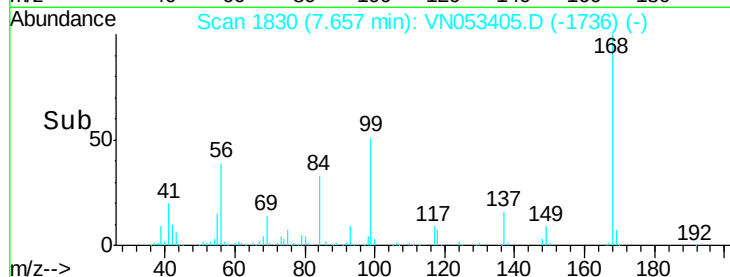
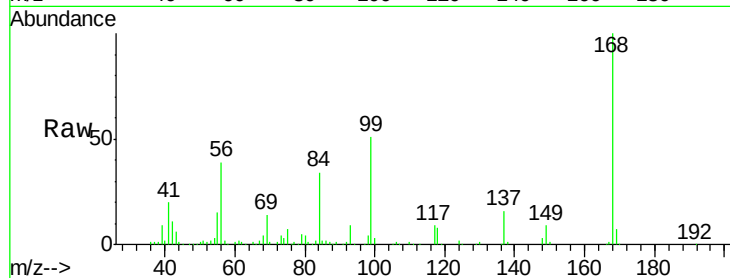
Tot Ion: 56 Resp: 320208

Ion Ratio Lower Upper

56 100

69 36.8 26.7 40.1

84 84.4 68.2 102.4



#32

1,1,1-Trichloroethane

Concen: 20.509 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

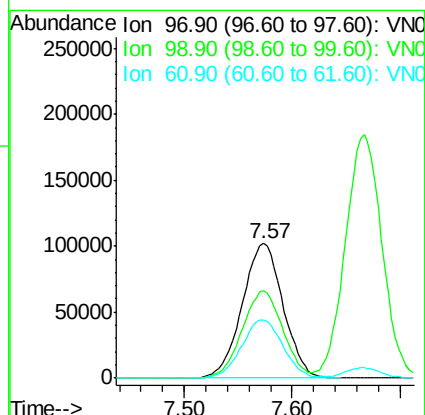
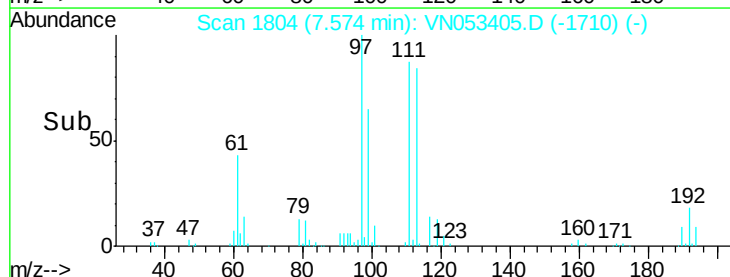
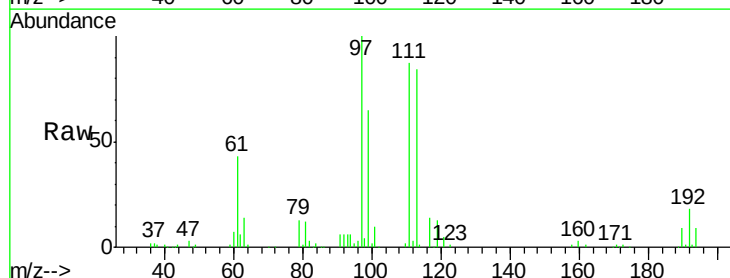
Tgt Ion: 97 Resp: 268950

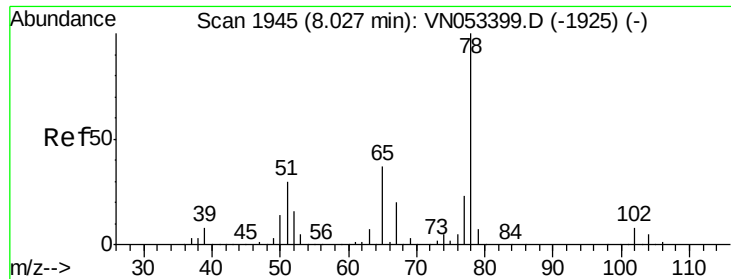
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 43.7 34.6 52.0

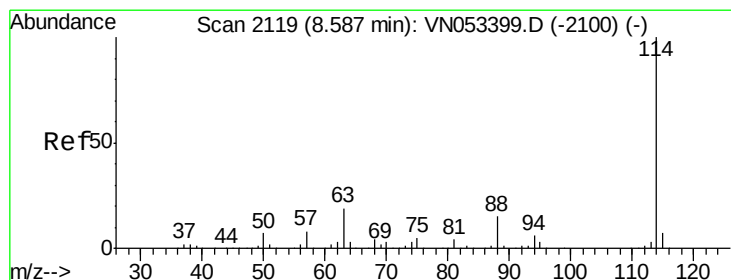
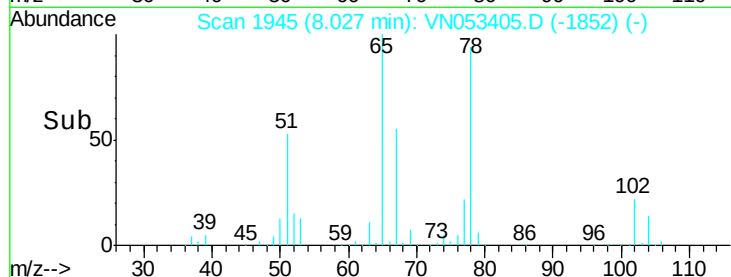
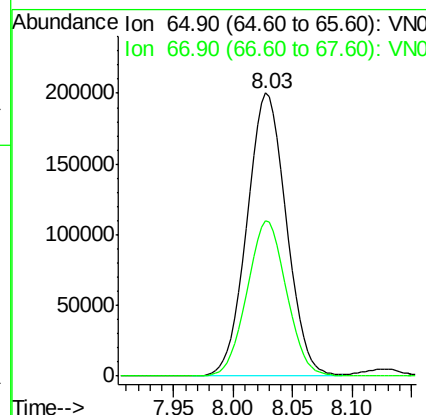
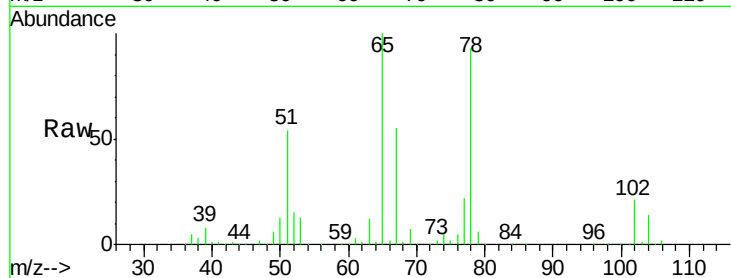




#33
 1,2-Dichloroethane-d4
 Concen: 20.509 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

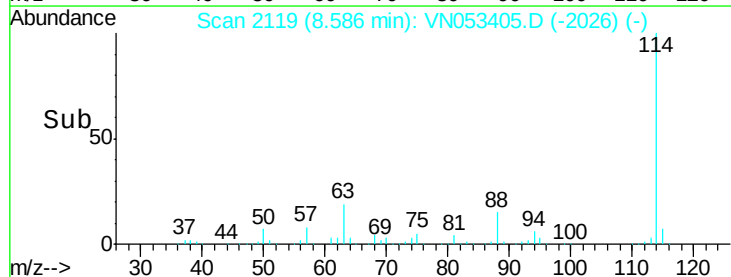
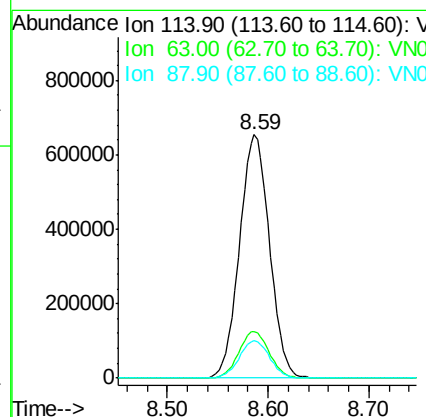
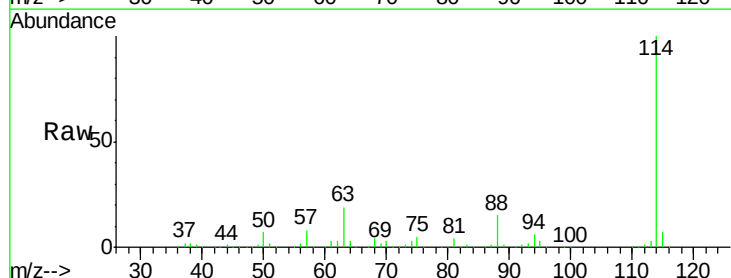
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

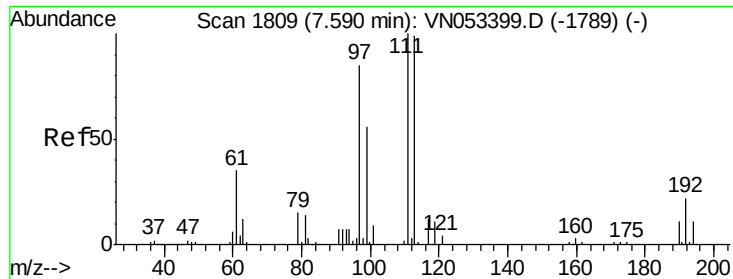
Tot Ion: 65 Resp: 459299
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 114 Resp: 1347333
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.4 0.0 30.8

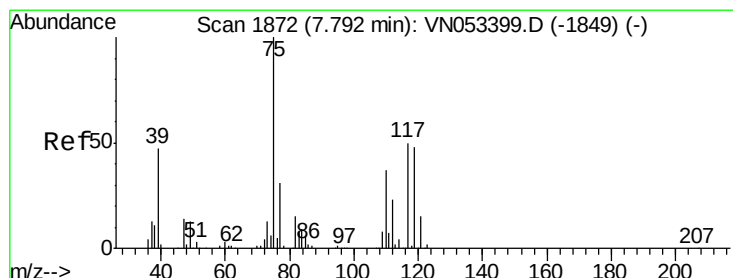
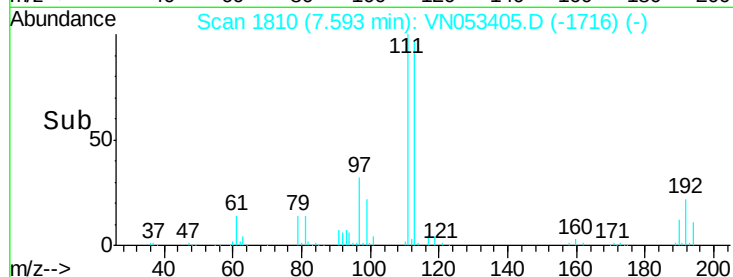
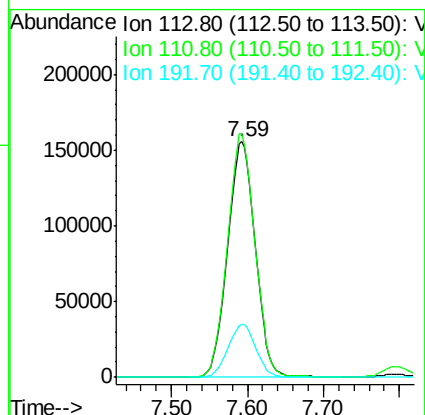
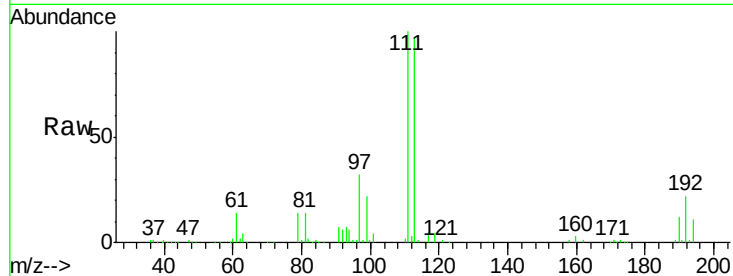




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

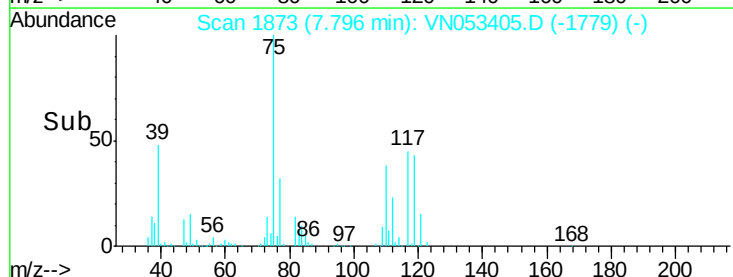
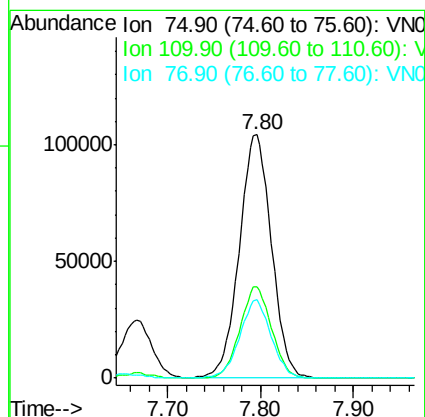
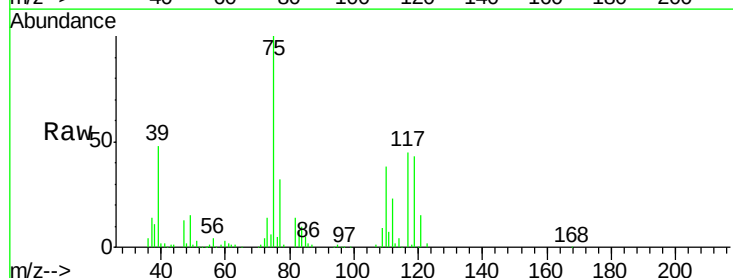
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

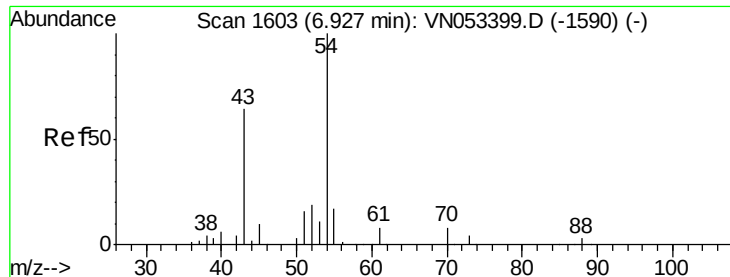
Tot Ion:113 Resp: 395987
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.2
 192 22.5 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 20.334 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 75 Resp: 249502
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.4 55.0
 77 31.6 25.3 37.9

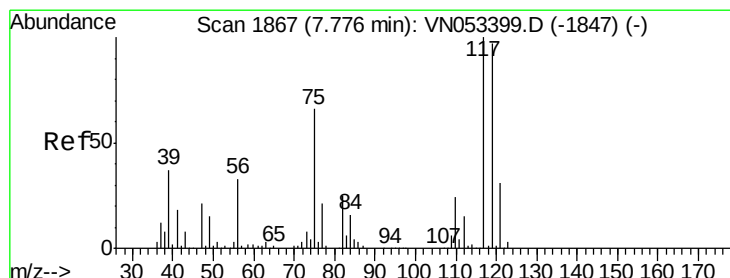
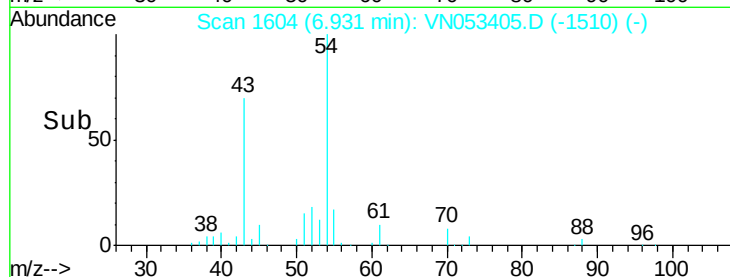
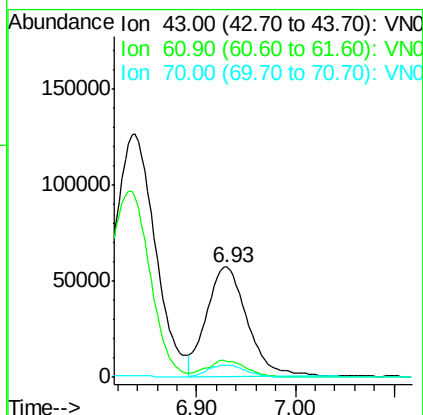
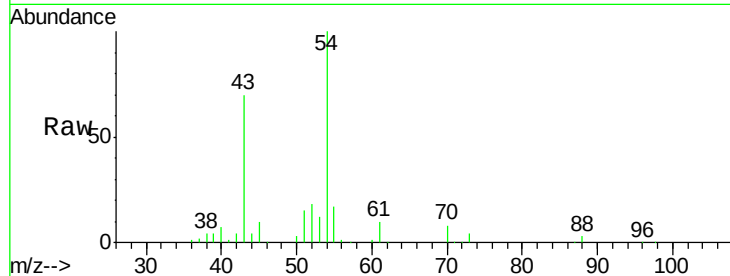




#37
Ethyl Acetate
Concen: 22.985 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

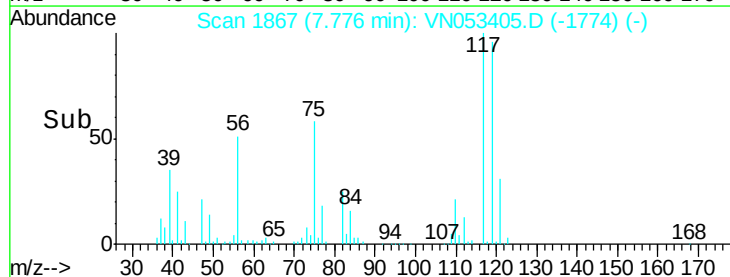
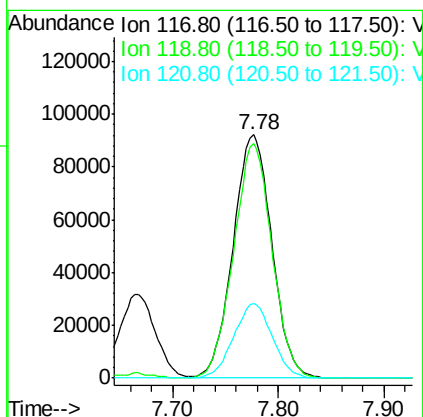
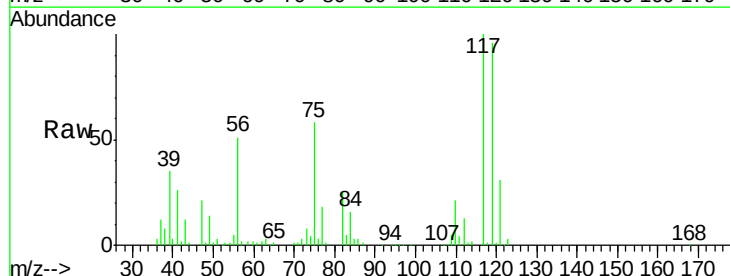
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

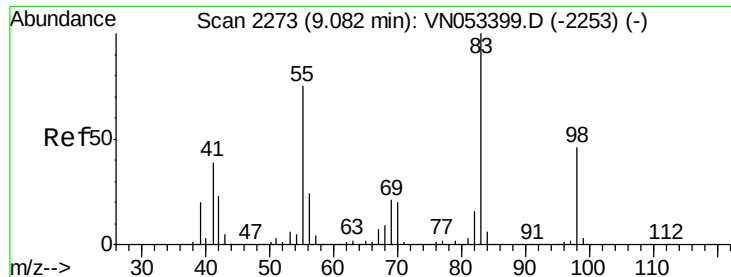
Tot Ion: 43 Resp: 163608
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 20.262 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 117 Resp: 235384
Ion Ratio Lower Upper
117 100
119 96.0 76.6 115.0
121 30.6 25.0 37.4

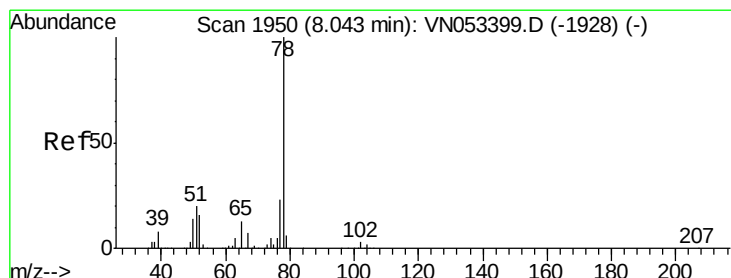
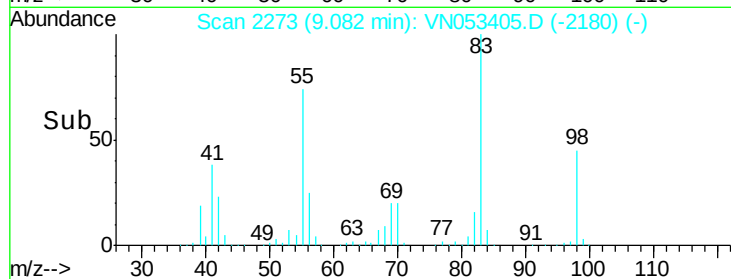
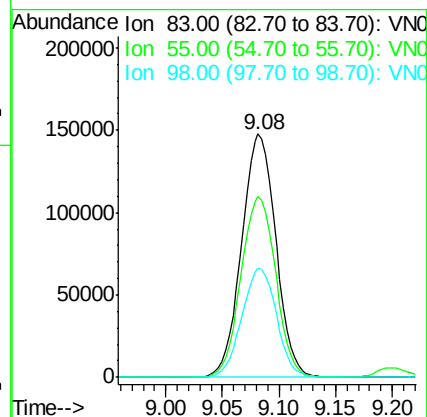
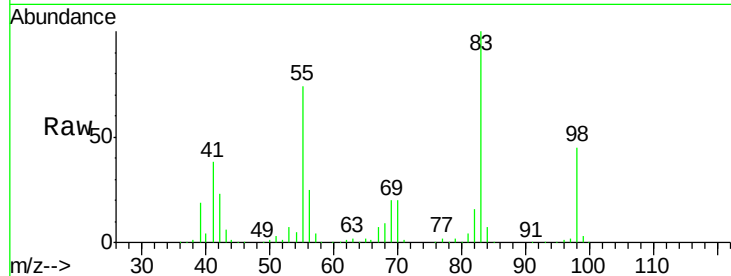




#39
Methylvlcyclohexane
Concen: 20.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

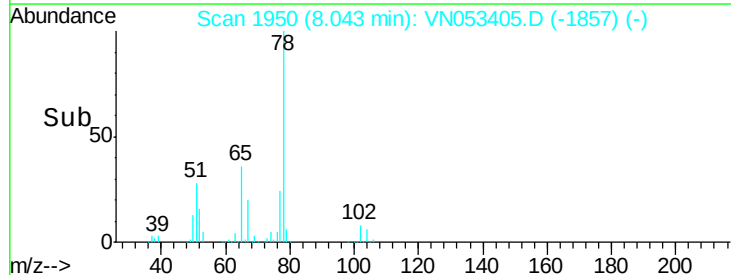
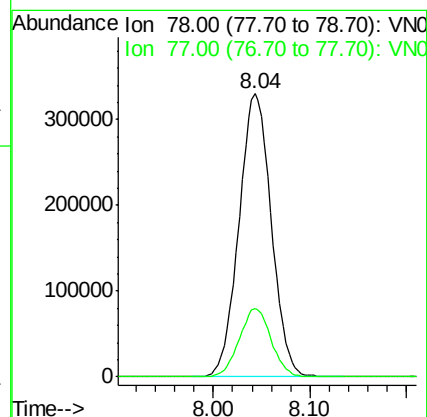
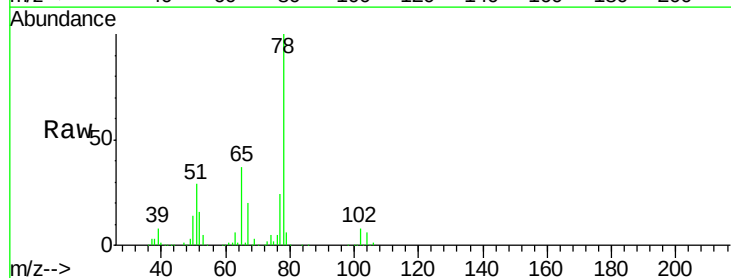
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

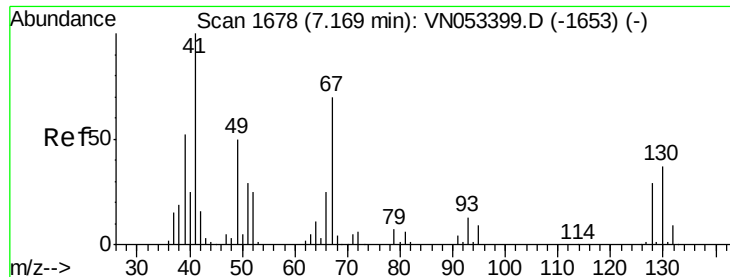
Tot Ion	83	Resp	311601
Ion Ratio	Lower	Upper	
83	100		
55	74.3	60.1	90.1
98	44.8	36.7	55.1



#40
Benzene
Concen: 20.599 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion	78	Resp	768073
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.0	28.4

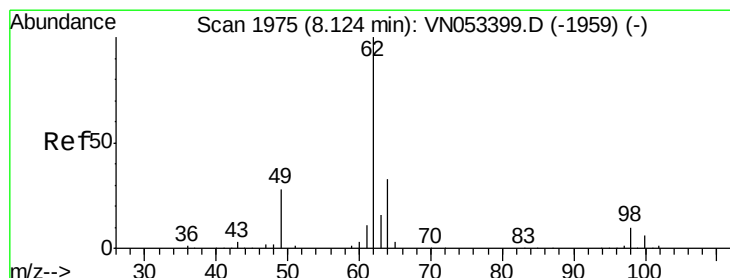
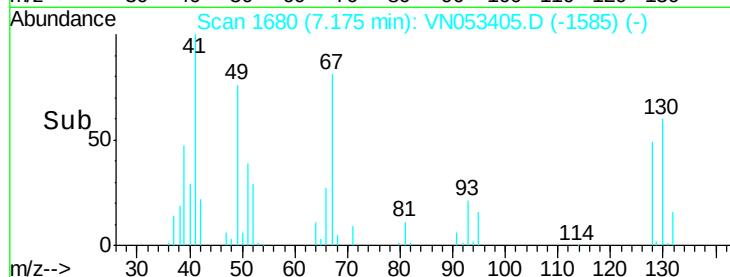
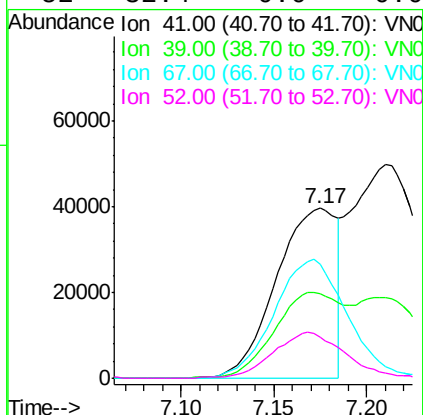
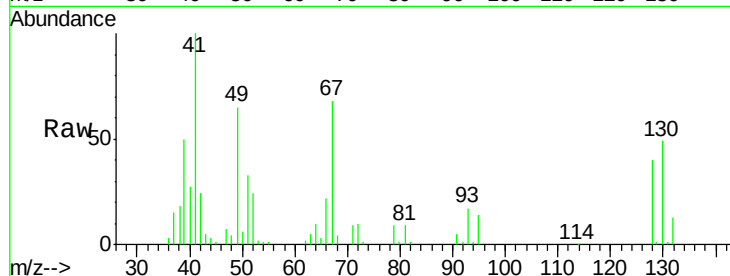




#41
Methacrylonitrile
Concen: 20.423 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

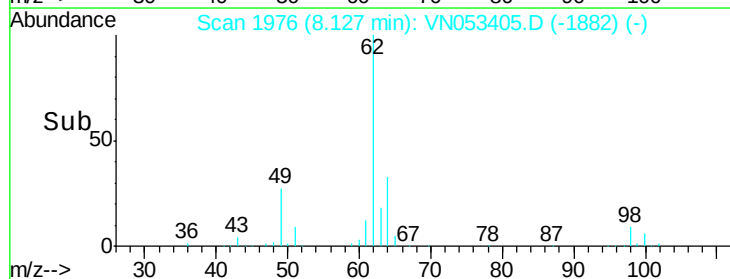
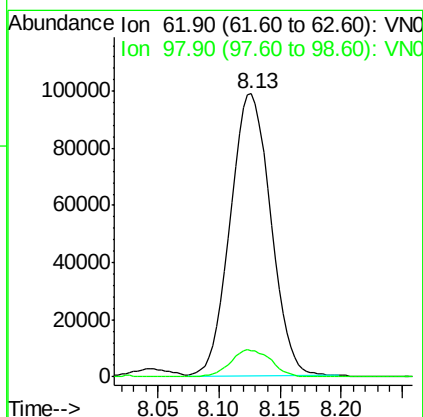
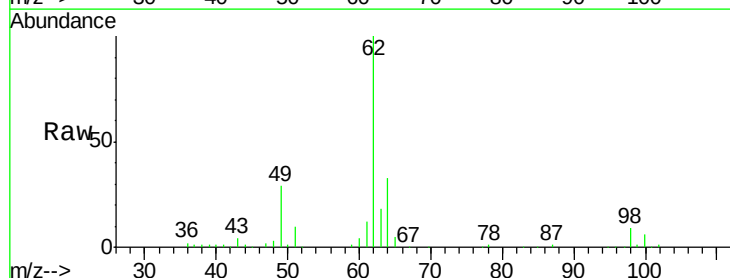
Instrument :
MSVOA_N
ClientSampled :
VN0115WBSD01

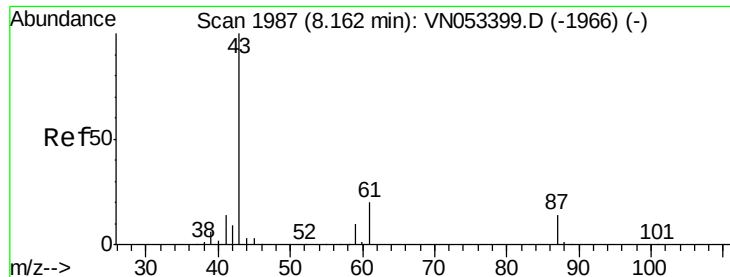
Tot Ion: 41 Resp: 89893
Ion Ratio Lower Upper
41 100
39 58.1 0.0 0.0#
67 85.0 0.0 0.0#
52 32.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.982 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 62 Resp: 227921
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 22.678 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

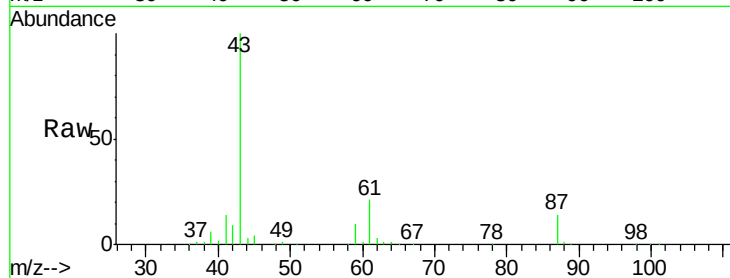
Tot Ion: 43 Resp: 300591

Ion Ratio Lower Upper

43 100

61 27.8 23.3 34.9

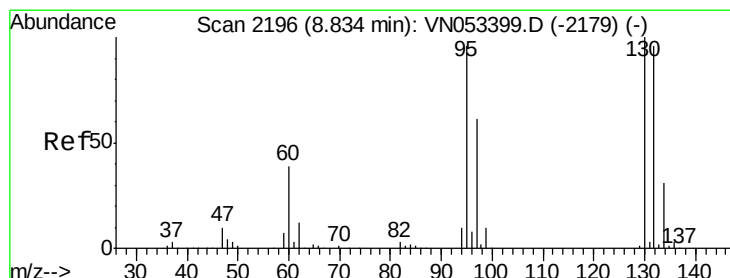
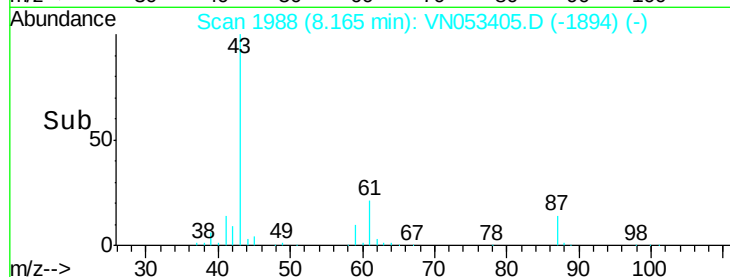
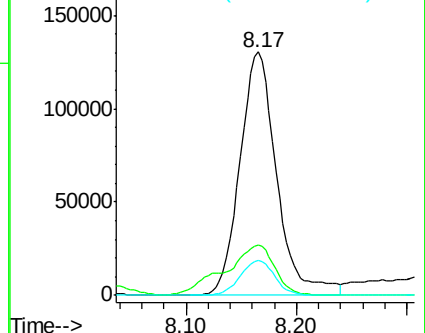
87 13.4 10.8 16.2



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) (-)



#44

Trichloroethene

Concen: 20.322 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053405.D

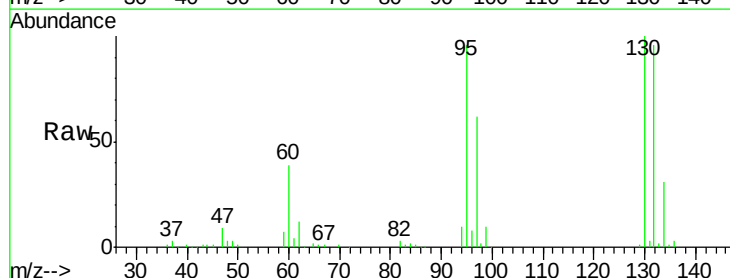
Acq: 15 Jan 2019 14:00

Tgt Ion: 130 Resp: 210137

Ion Ratio Lower Upper

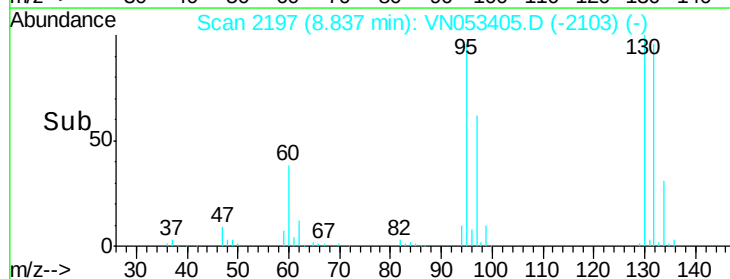
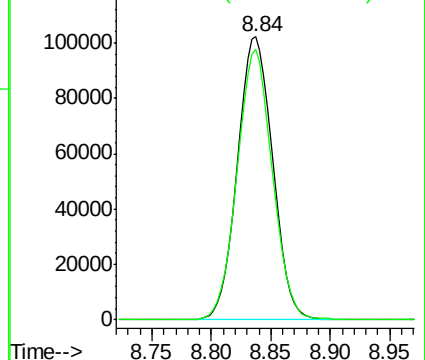
130 100

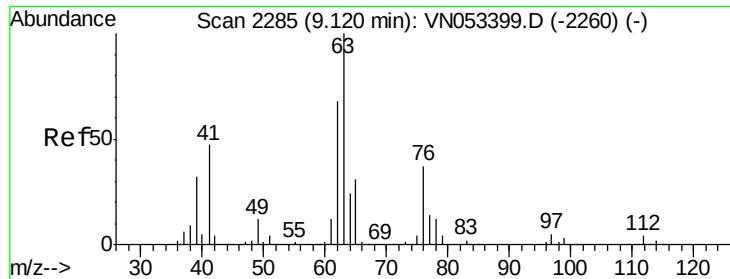
95 95.8 0.0 191.8



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

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

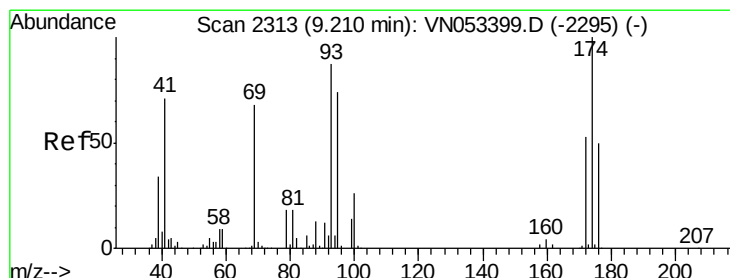
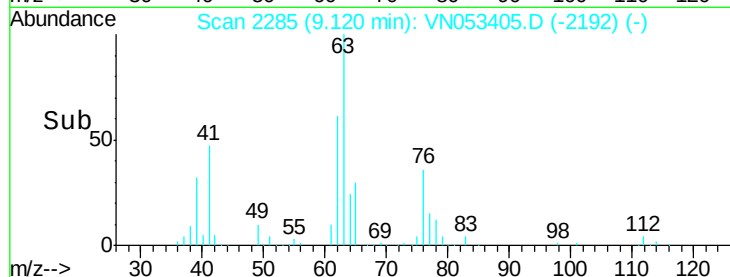
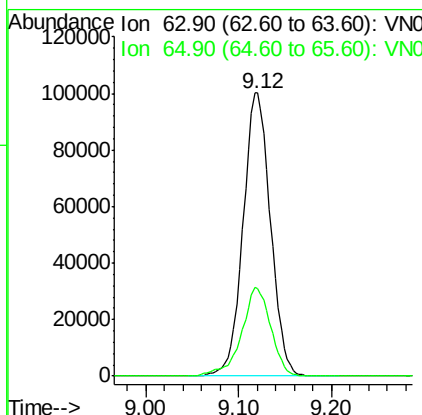
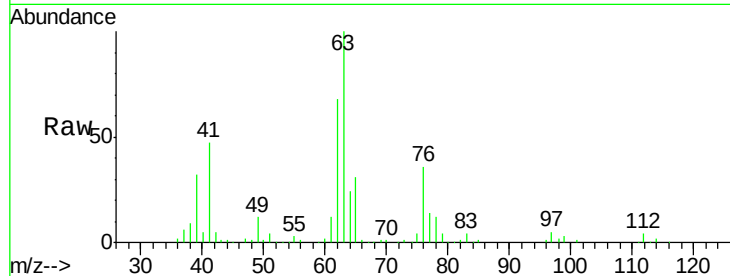




#45
 1,2-Dichloropropane
 Concen: 20.775 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

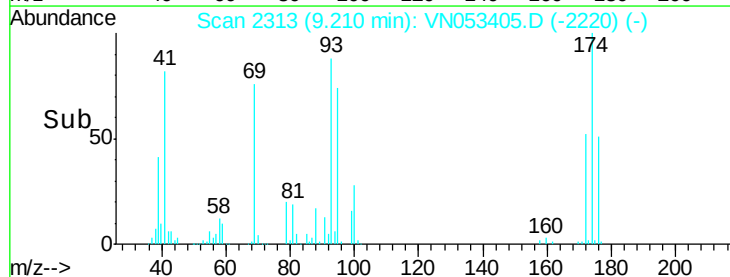
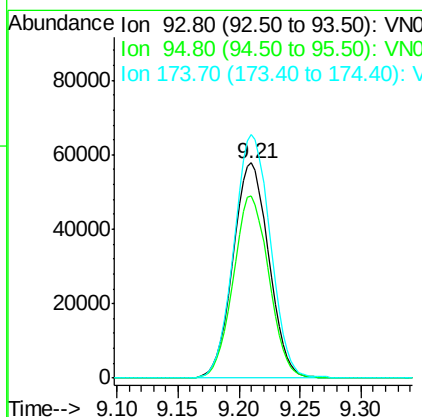
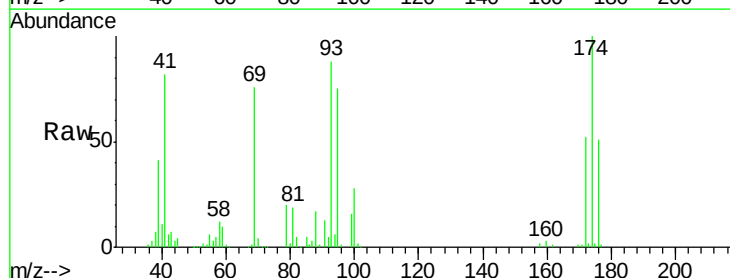
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

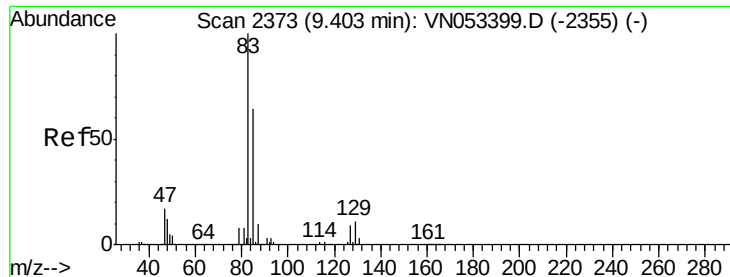
Tot Ion: 63 Resp: 205183
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6



#46
 Dibromomethane
 Concen: 20.801 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 93 Resp: 118031
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 114.4 91.4 137.0





#47

Bromodichloromethane

Concen: 20.277 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

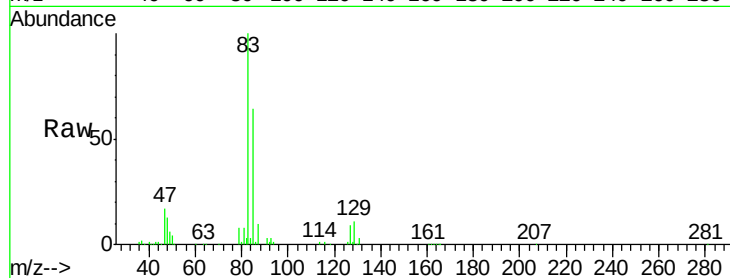
Tot Ion: 83 Resp: 241961

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5

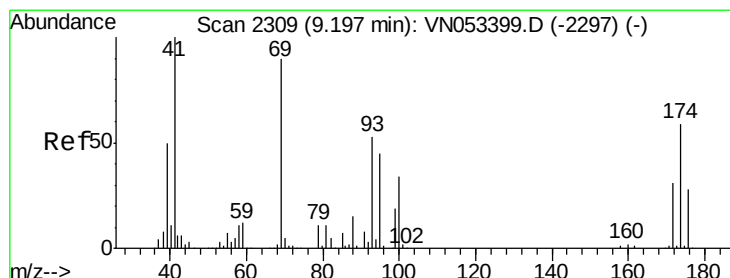
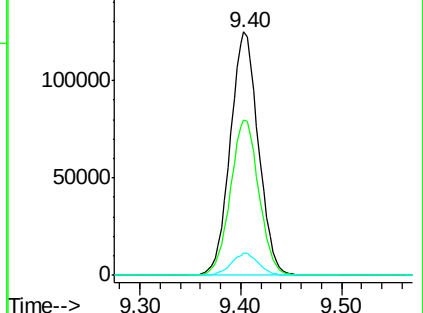
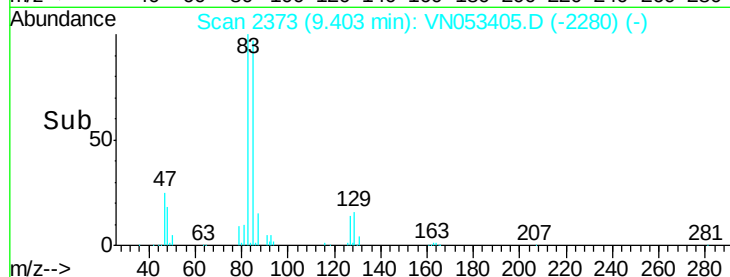
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.829 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

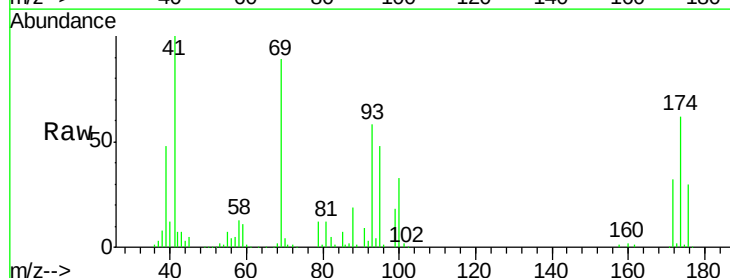
Tgt Ion: 41 Resp: 143070

Ion Ratio Lower Upper

41 100

69 92.8 73.5 110.3

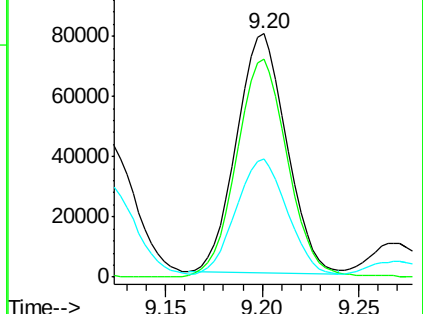
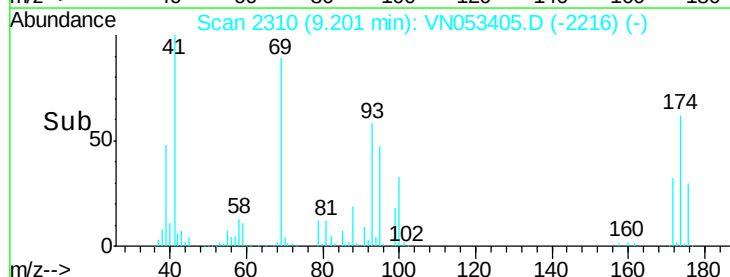
39 51.5 41.6 62.4

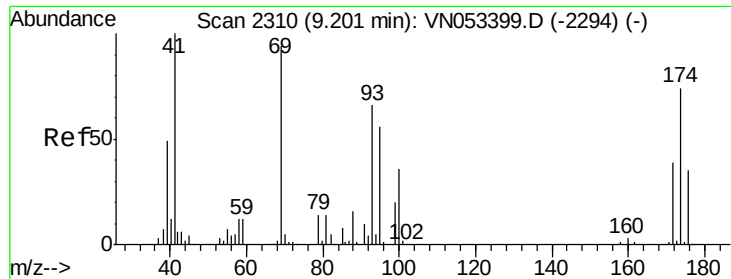


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 481.589 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

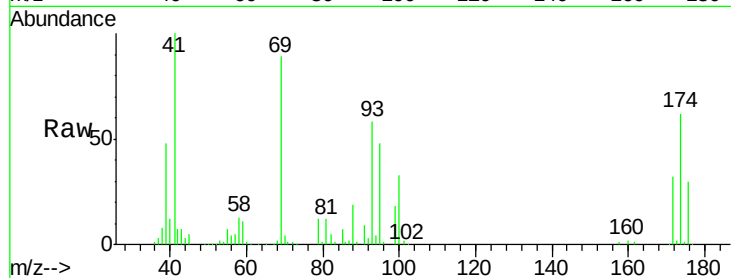
Tot Ion: 88 Resp: 30826

Ion Ratio Lower Upper

88 100

43 33.9 26.2 39.4

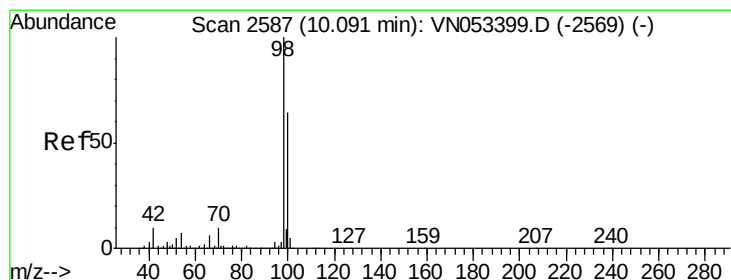
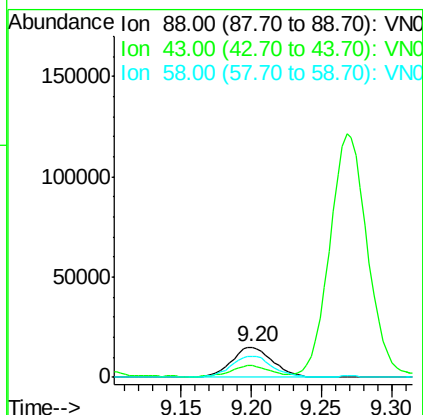
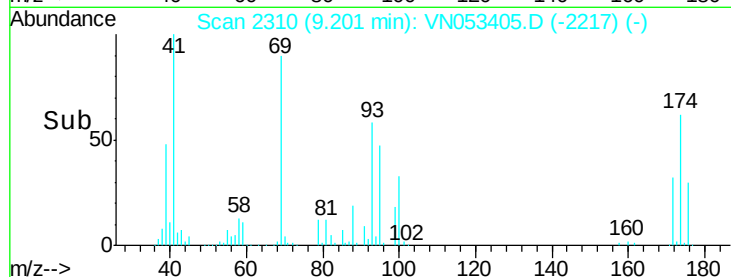
58 69.8 55.5 83.3



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: 481.589 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053405.D

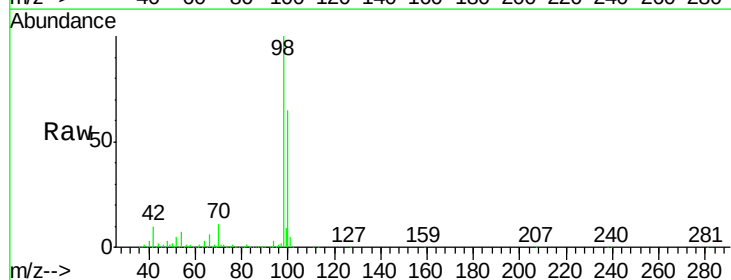
Acq: 15 Jan 2019 14:00

Tgt Ion: 98 Resp: 1650370

Ion Ratio Lower Upper

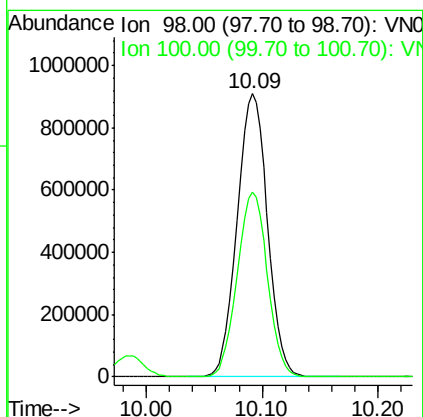
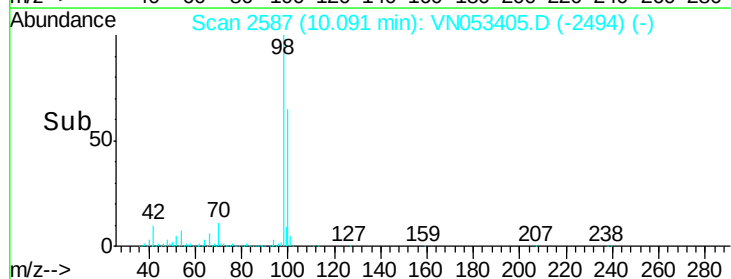
98 100

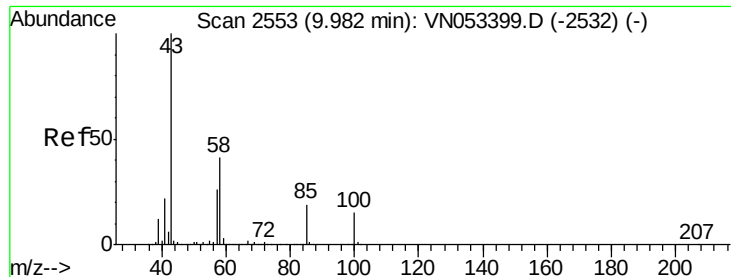
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

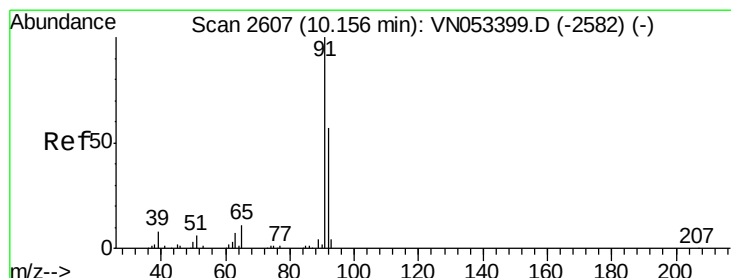
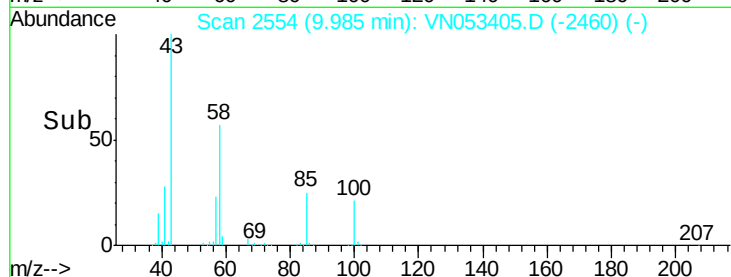
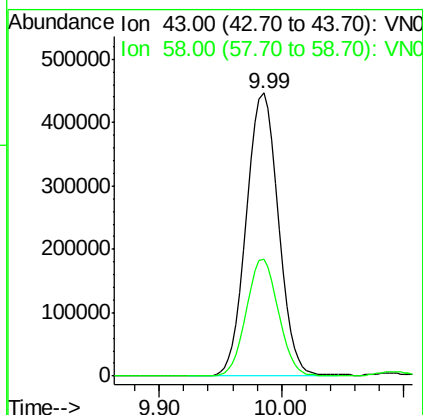
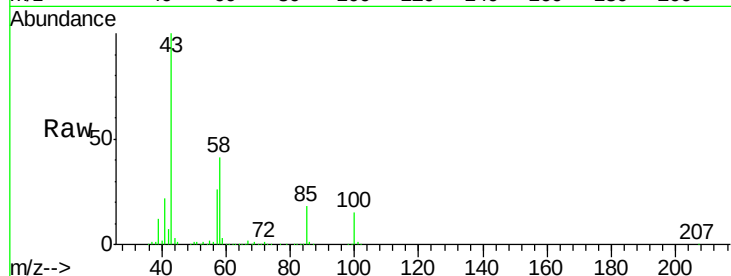




#51
 4-Methyl-2-Pentanone
 Concen: 116.715 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

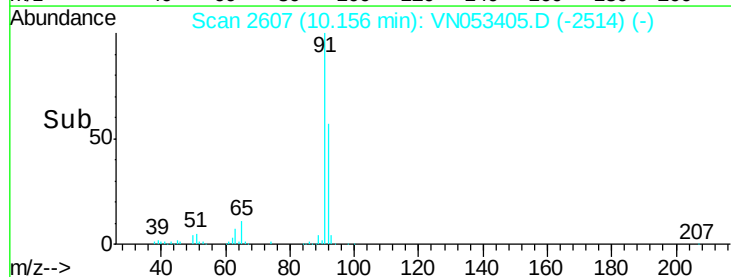
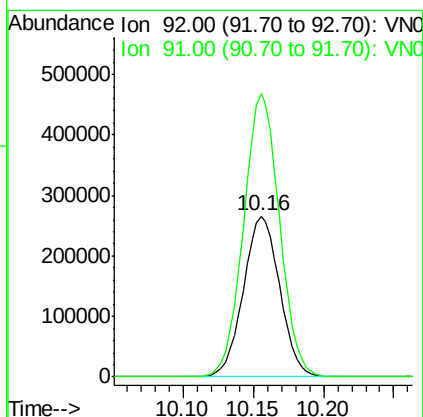
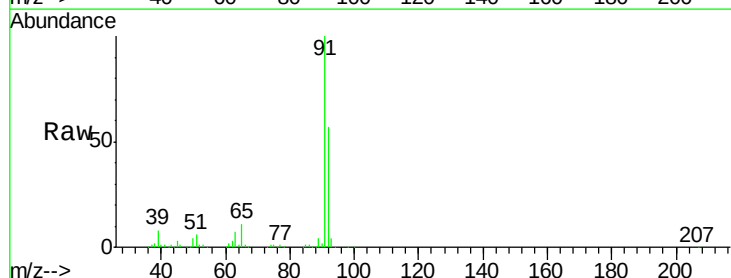
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

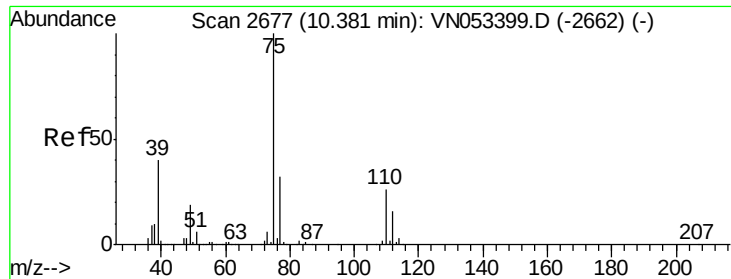
Tot Ion: 43 Resp: 808772
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.7 49.1



#52
 Toluene
 Concen: 20.674 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 92 Resp: 478566
 Ion Ratio Lower Upper
 92 100
 91 174.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 20.983 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

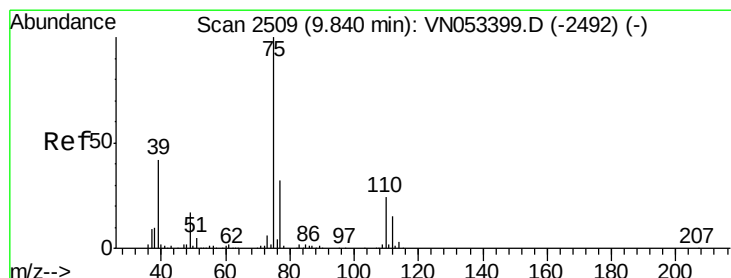
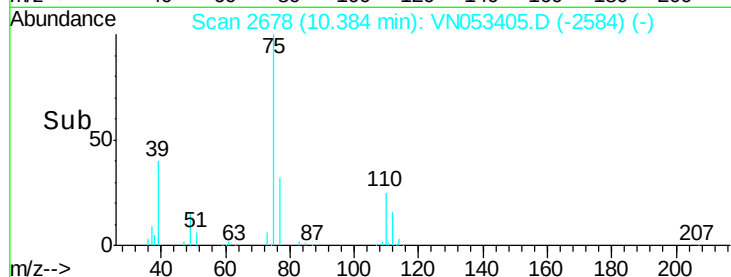
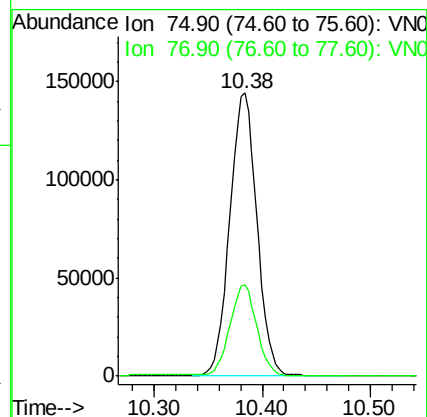
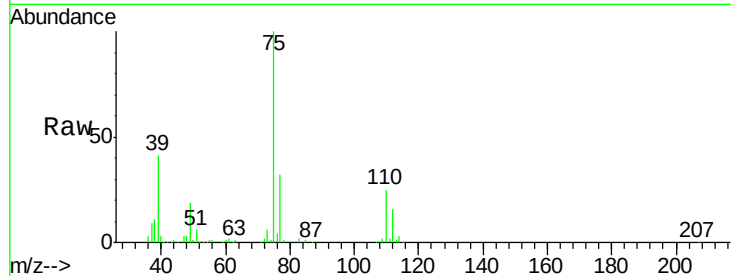
VN0115WBSD01

Tot Ion: 75 Resp: 253789

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.953 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

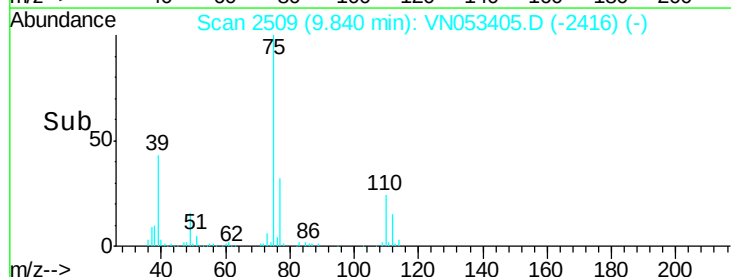
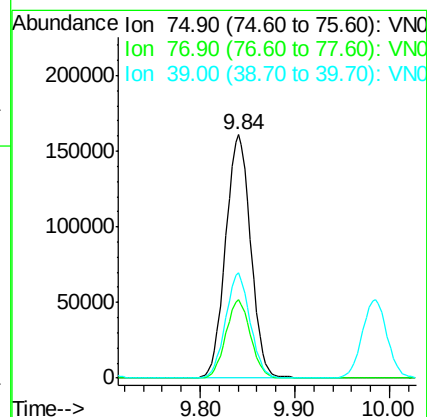
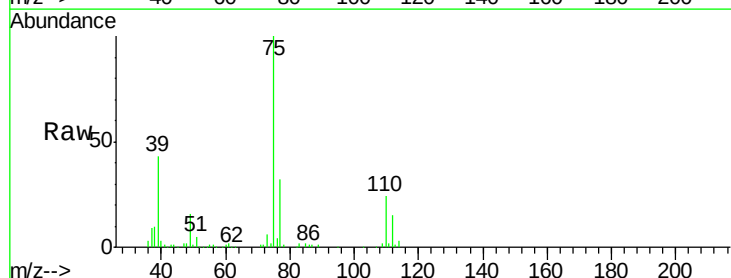
Tgt Ion: 75 Resp: 297089

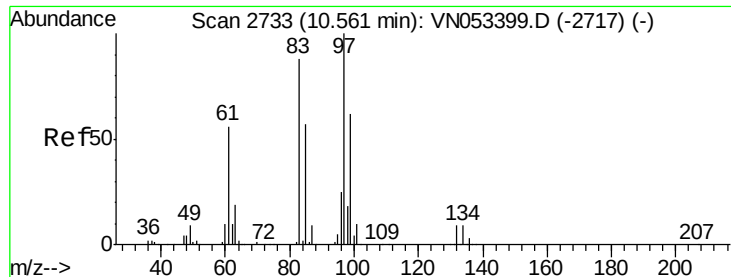
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 43.1 33.1 49.7

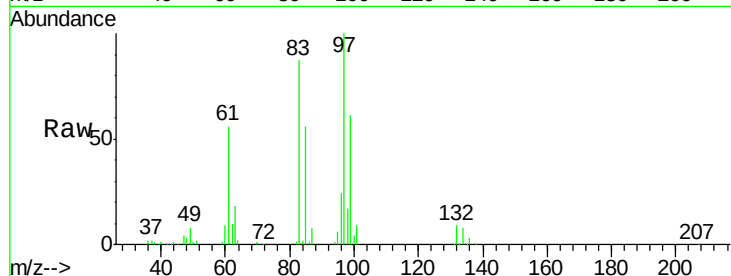




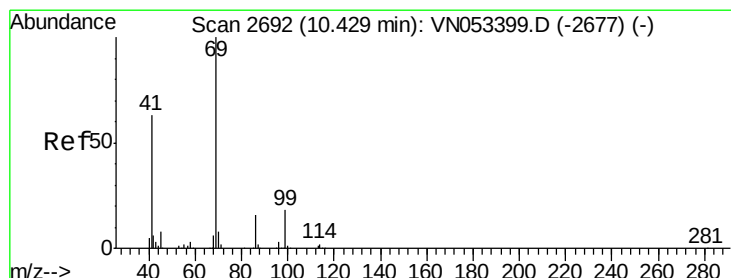
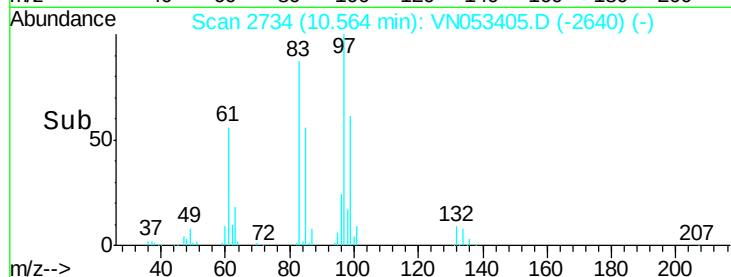
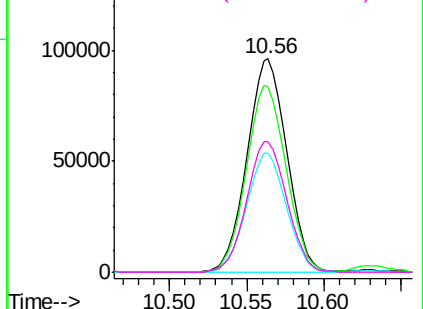
#55
 1,1,2-Trichloroethane
 Concen: 21.629 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBSD01

Tot Ion: 97 Resp: 172617
 Ion Ratio Lower Upper
 97 100
 83 86.6 69.1 103.7
 85 55.8 44.2 66.4
 99 61.1 50.3 75.5

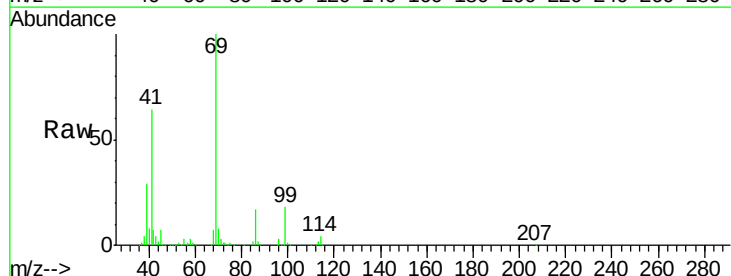


Abundance Ion 96.90 (96.60 to 97.60): VNO
 150000
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

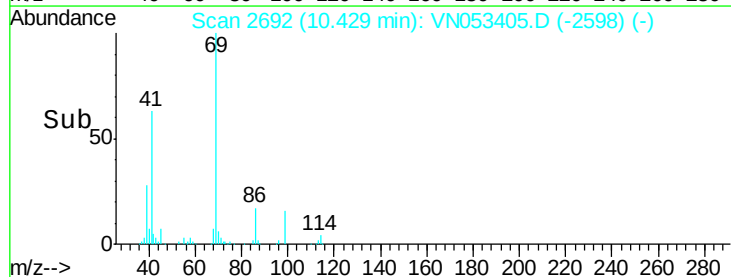
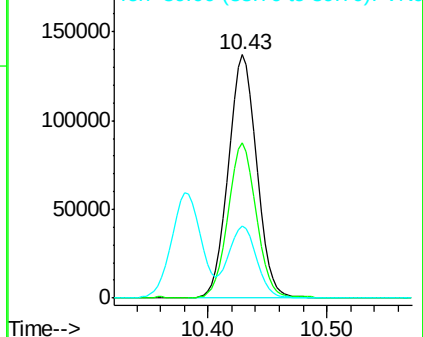


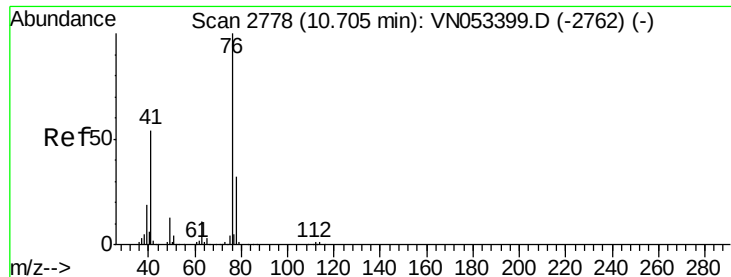
#56
 Ethyl methacrylate
 Concen: 21.251 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 69 Resp: 226719
 Ion Ratio Lower Upper
 69 100
 41 62.8 49.2 73.8
 39 29.8 23.4 35.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 150000
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.183 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

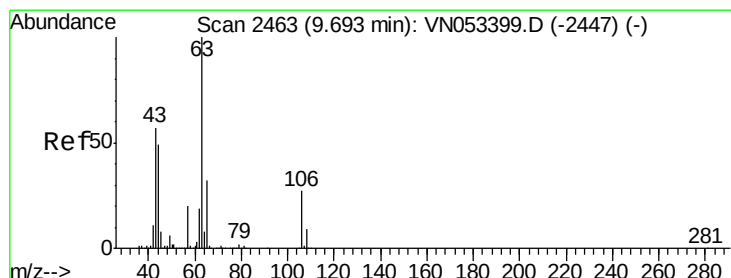
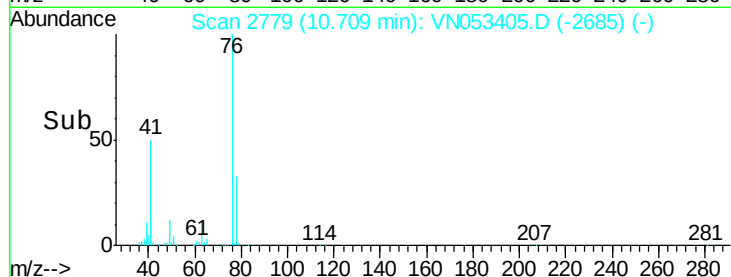
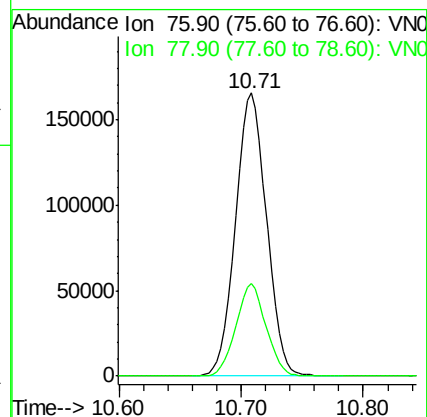
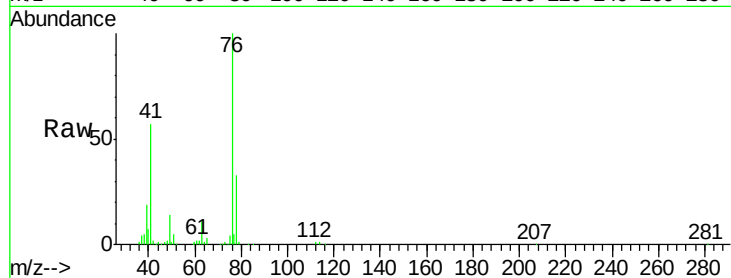
VN0115WBSD01

Tot Ion: 76 Resp: 292447

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 109.535 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053405.D

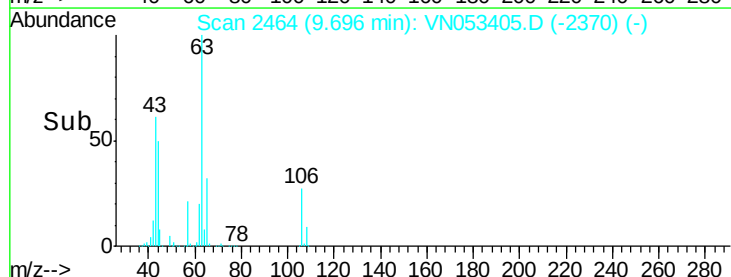
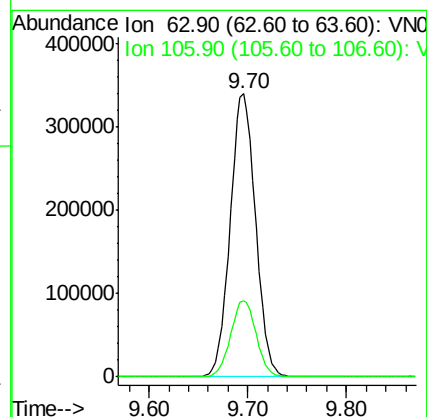
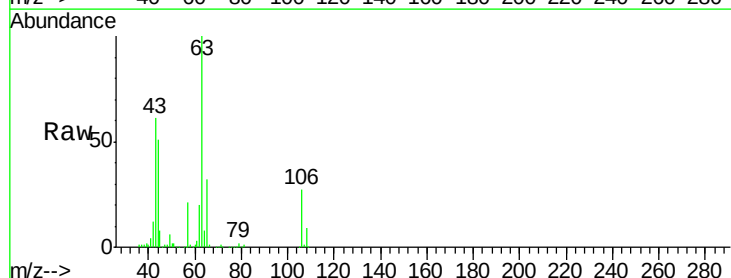
Acq: 15 Jan 2019 14:00

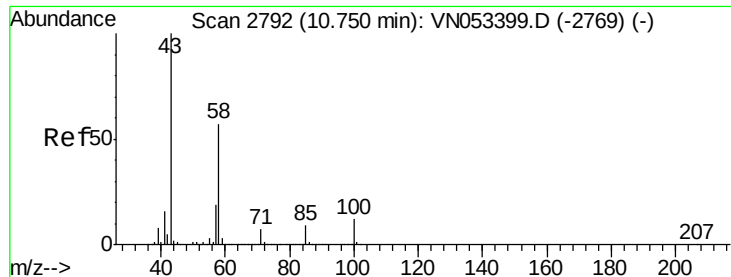
Tgt Ion: 63 Resp: 611566

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5

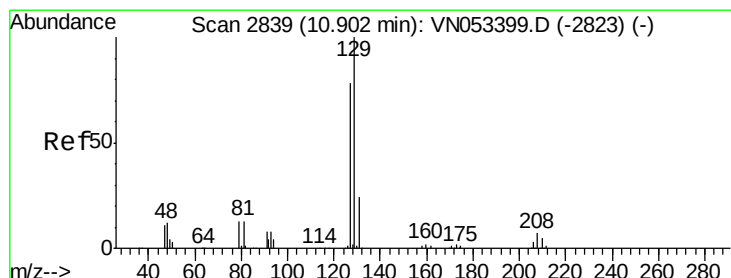
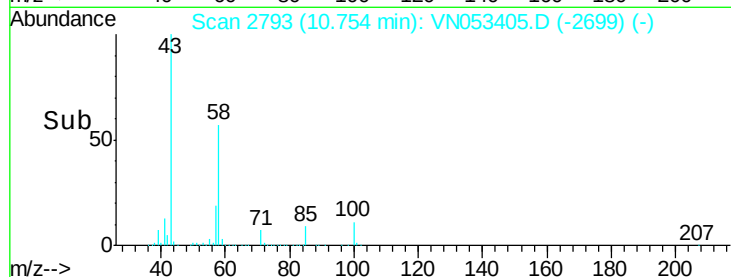
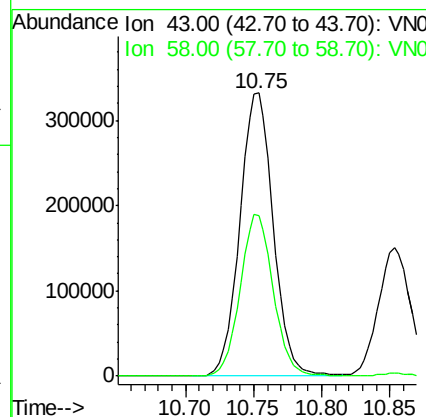
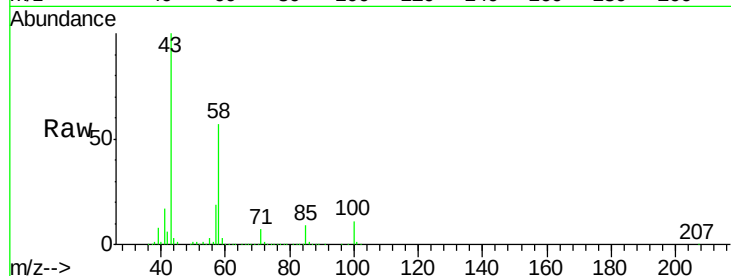




#59
2-Hexanone
Concen: 115.705 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

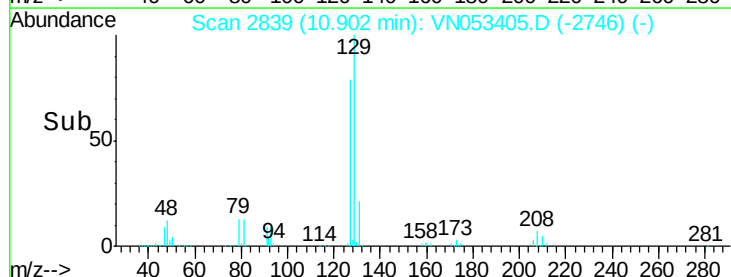
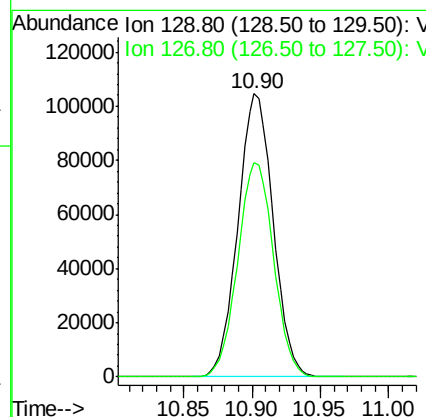
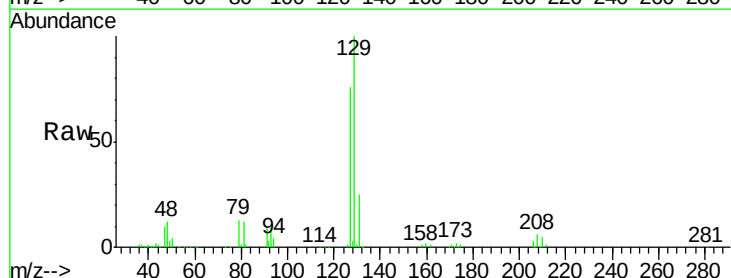
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

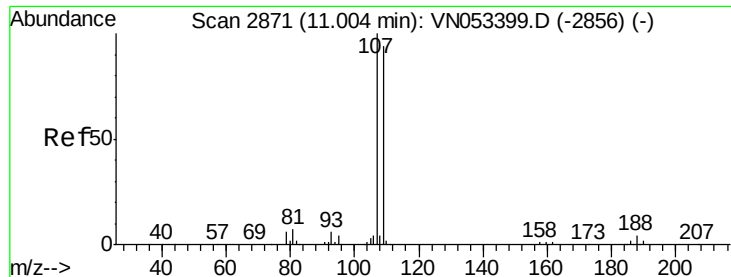
Tot Ion: 43 Resp: 562834
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0



#60
Dibromochloromethane
Concen: 20.684 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 129 Resp: 187235
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 21.404 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampled :

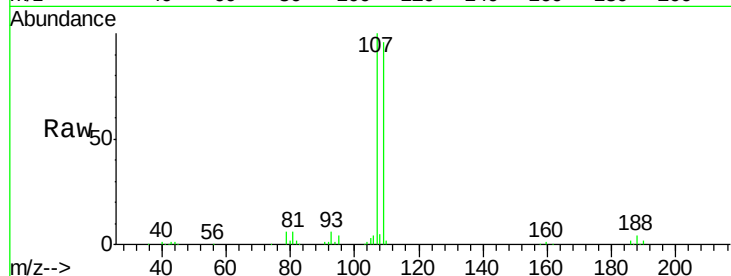
VN0115WBSD01

Tot Ion:107 Resp: 172759

Ion Ratio Lower Upper

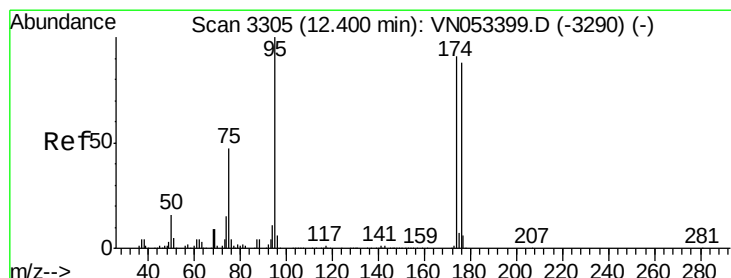
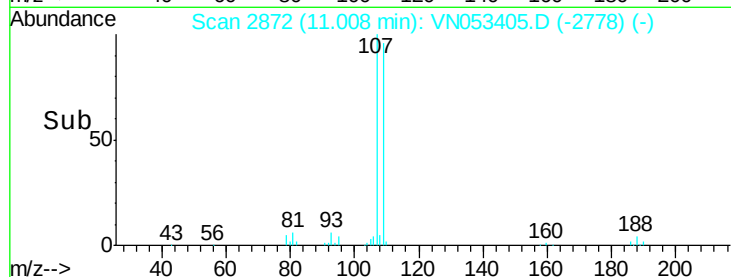
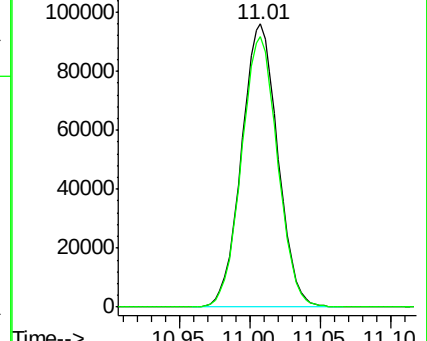
107 100

109 95.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.404 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

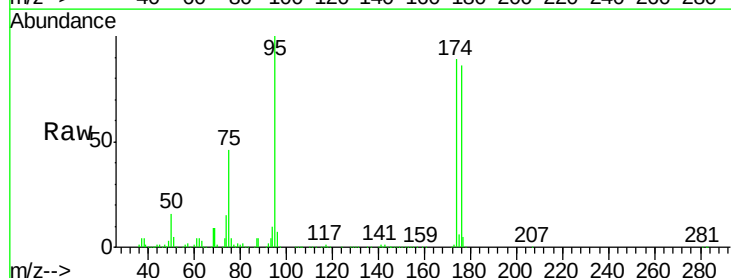
Tgt Ion: 95 Resp: 574725

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.4

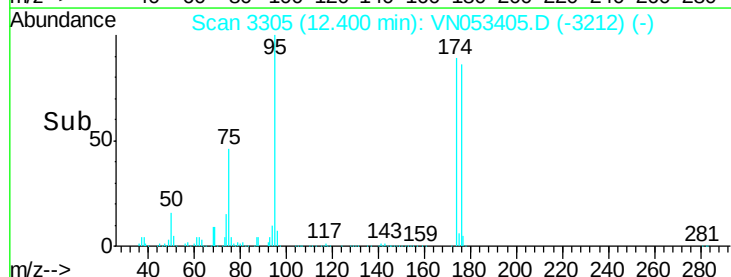
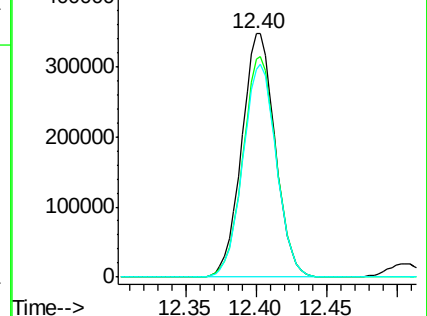
176 87.7 0.0 175.6

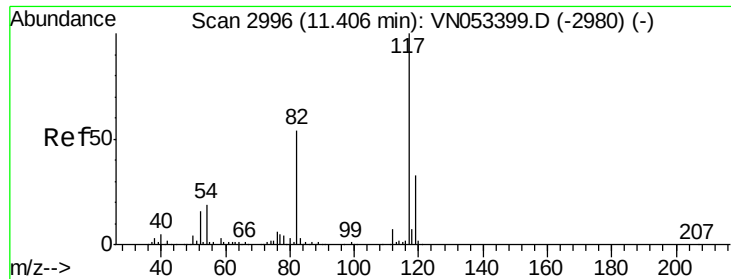


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

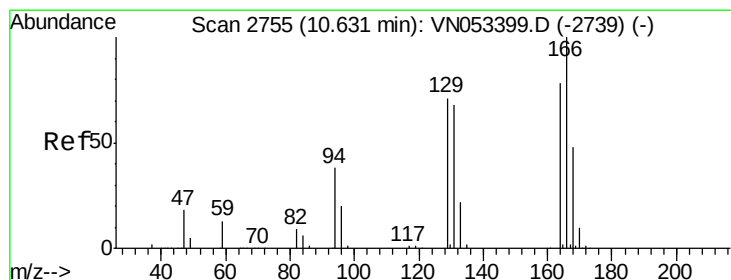
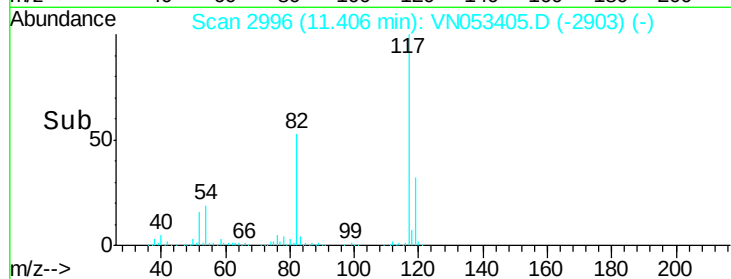
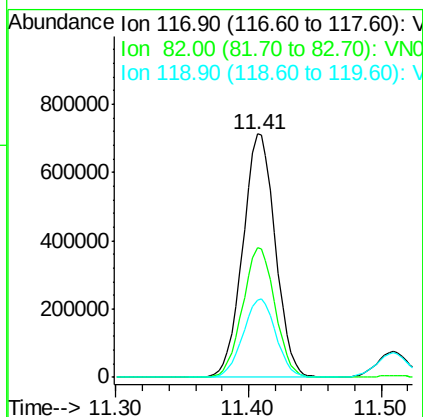
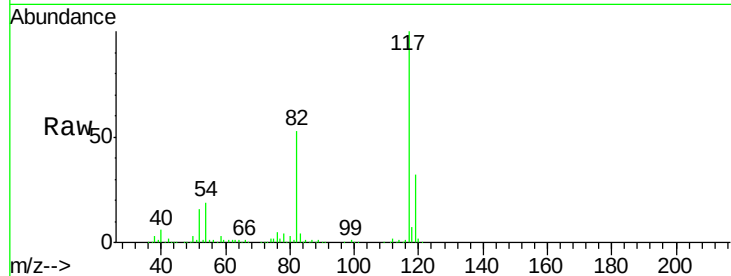




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

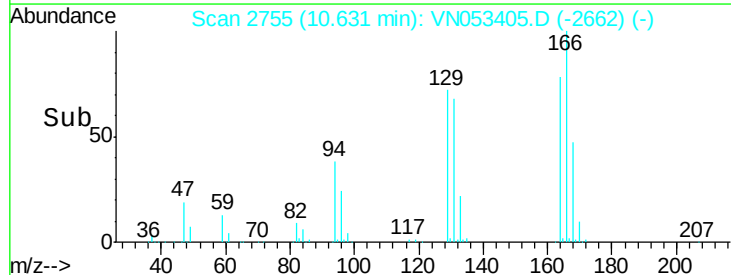
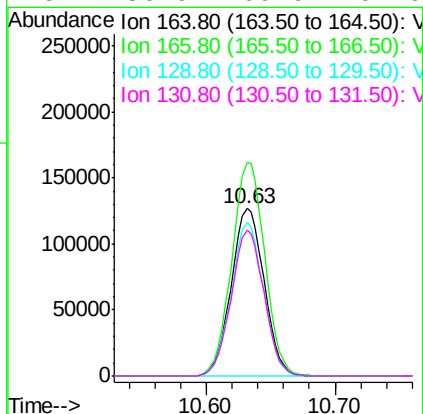
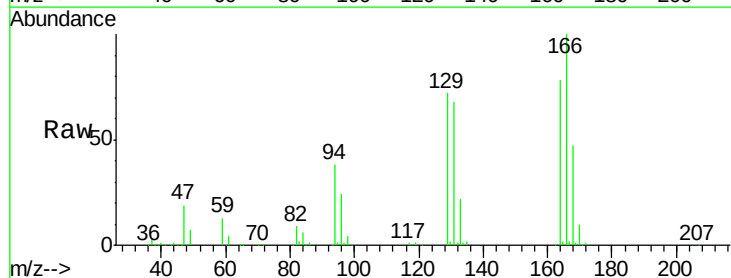
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

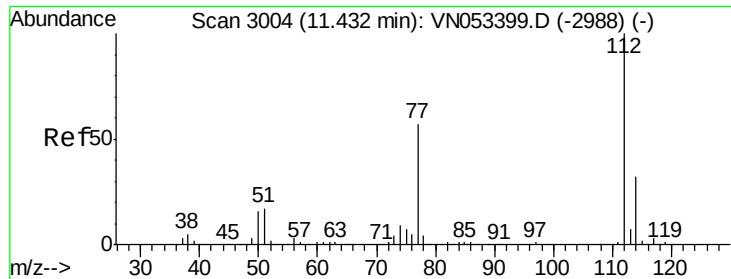
Tot Ion:117 Resp: 1211573
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 19.683 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:164 Resp: 224734
Ion Ratio Lower Upper
164 100
166 127.7 101.7 152.5
129 91.5 72.1 108.1
131 86.9 69.9 104.9

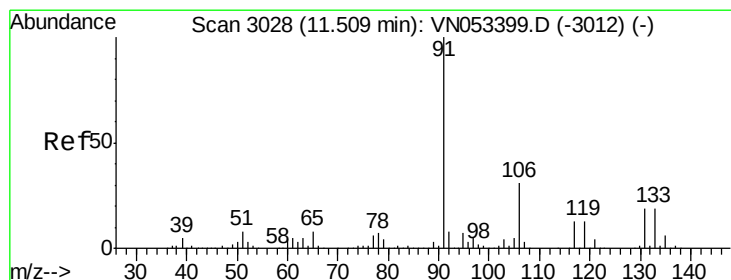
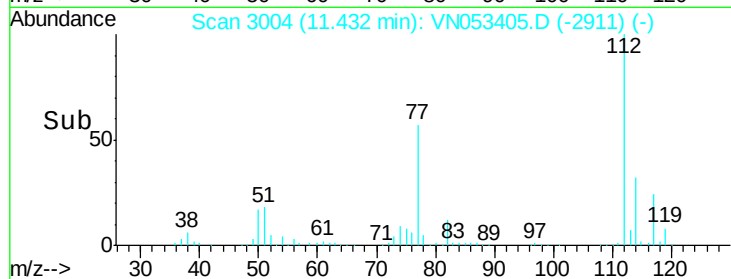
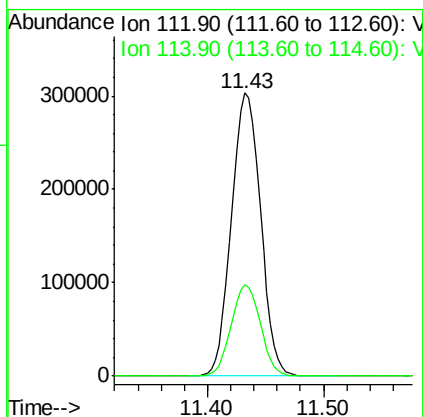
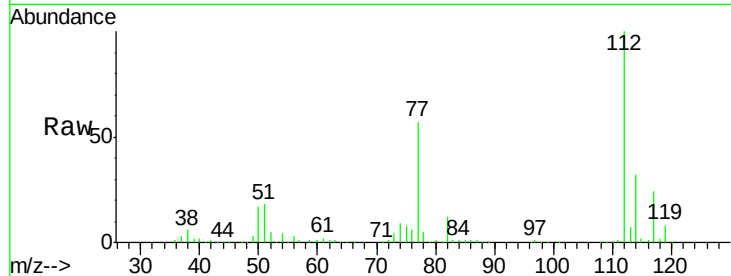




#65
Chlorobenzene
Concen: 20.531 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

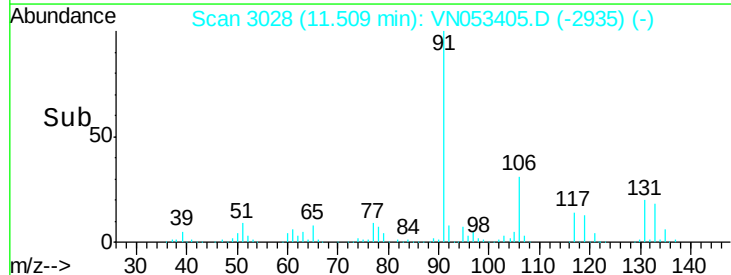
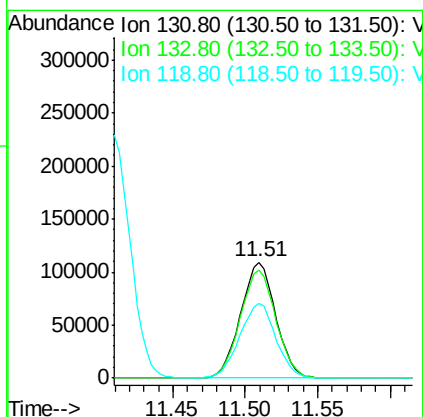
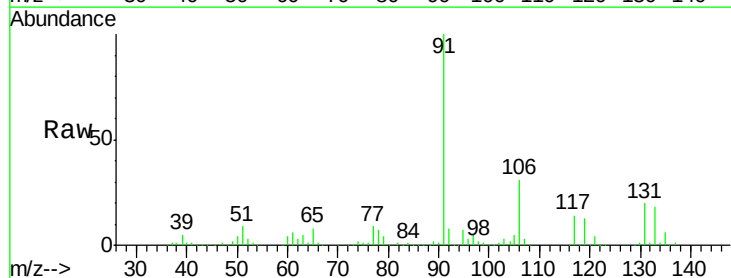
Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

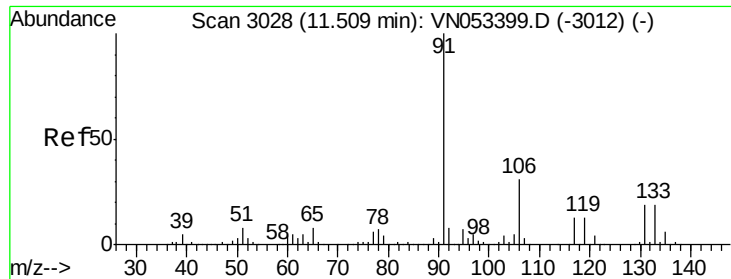
Tot Ion:112 Resp: 526525
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.646 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:131 Resp: 184190
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 66.2 33.3 99.9

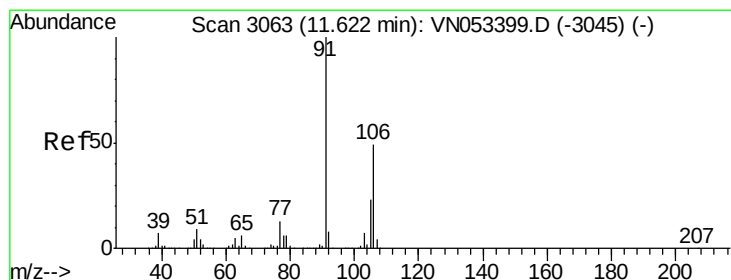
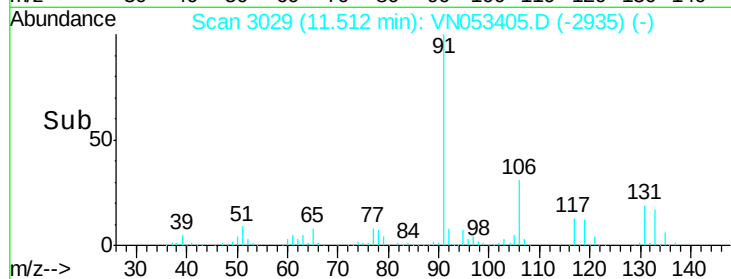
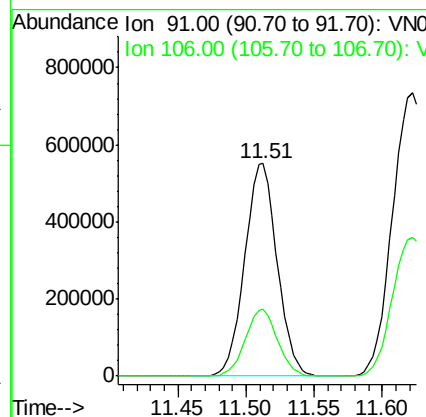
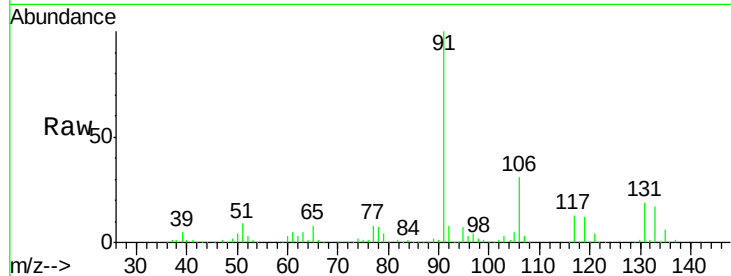




#67
Ethyl Benzene
Concen: 20.768 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

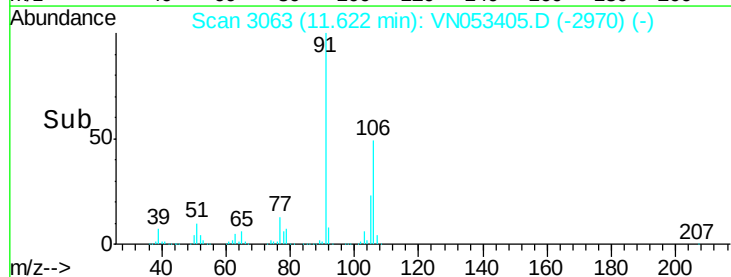
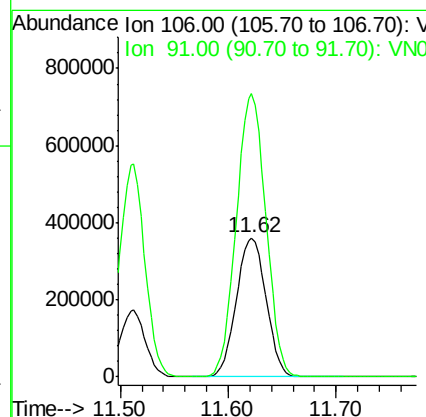
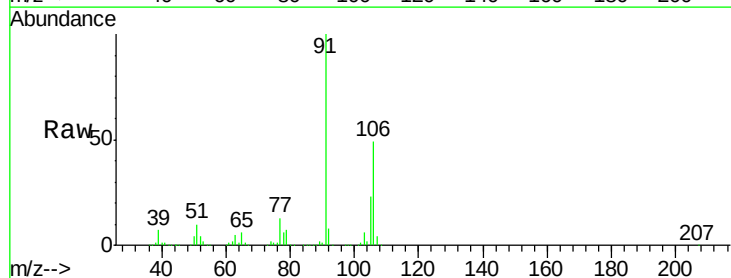
Instrument :
MSVOA_N
ClientSampled :
VN0115WBSD01

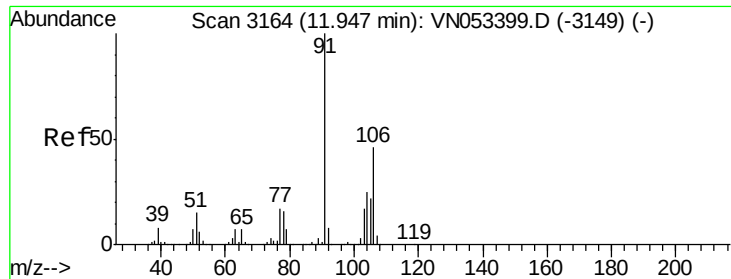
Tot Ion: 91 Resp: 907657
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 42.107 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion: 106 Resp: 694813
Ion Ratio Lower Upper
106 100
91 202.1 161.4 242.2

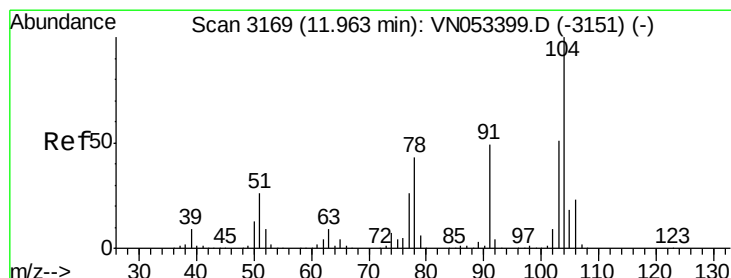
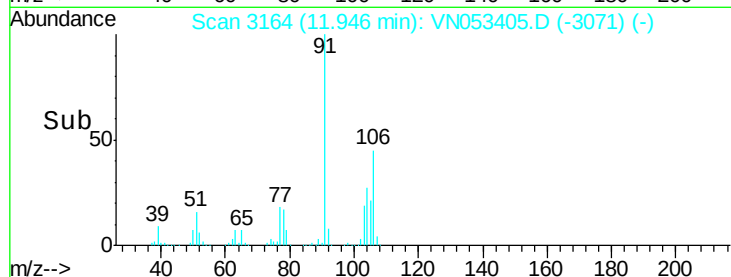
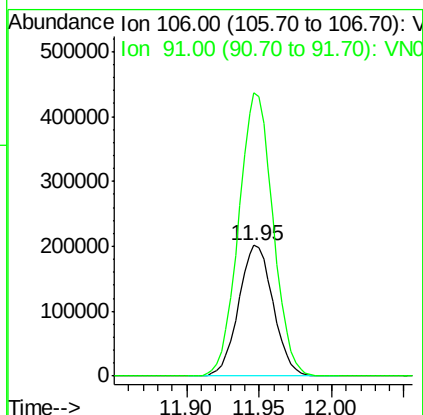
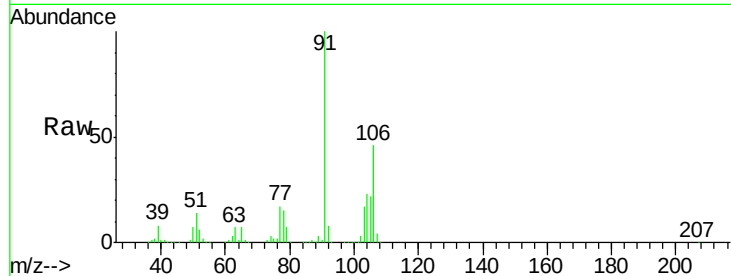




#69
o-Xylene
Concen: 20.715 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

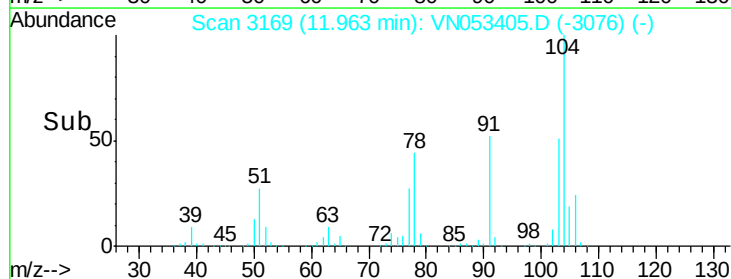
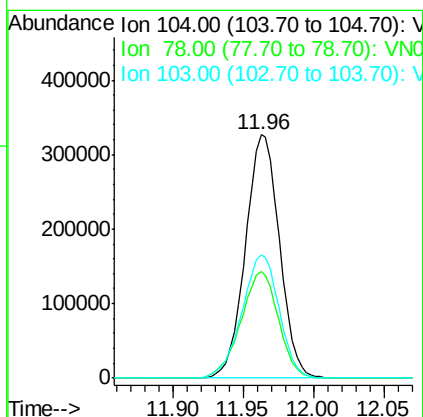
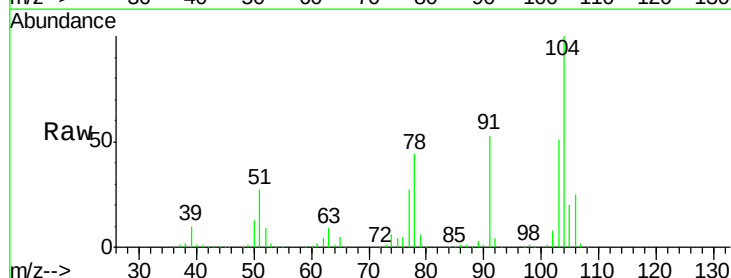
Instrument :
MSVOA_N
ClientSampled :
VN0115WBSD01

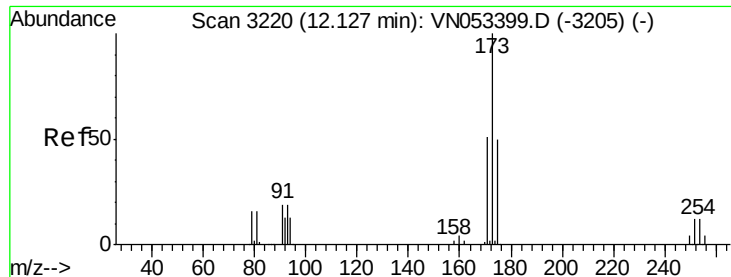
Tot Ion:106 Resp: 332147
Ion Ratio Lower Upper
106 100
91 216.0 106.8 320.4



#70
Styrene
Concen: 21.257 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053405.D
Acq: 15 Jan 2019 14:00

Tgt Ion:104 Resp: 553181
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.5 44.5 66.7





#71

Bromoform

Concen: 21.052 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

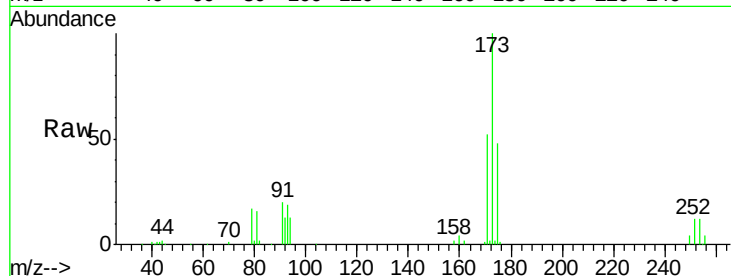
Tot Ion:173 Resp: 129301

Ion Ratio Lower Upper

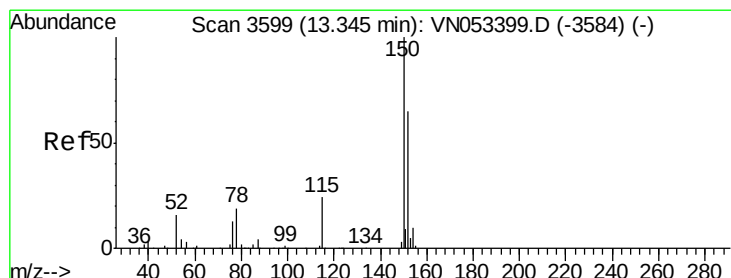
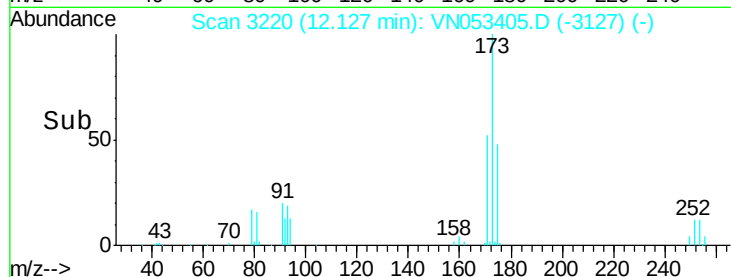
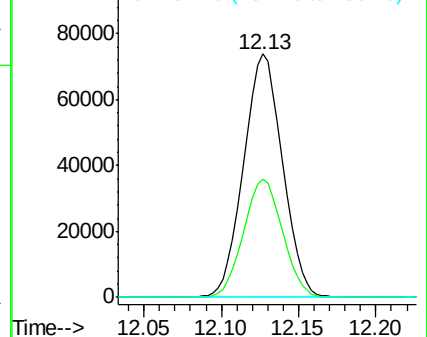
173 100

175 48.6 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: VN053405.D

Acq: 15 Jan 2019 14:00

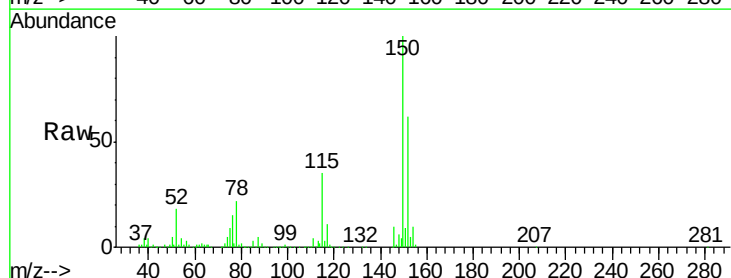
Tgt Ion:152 Resp: 572734

Ion Ratio Lower Upper

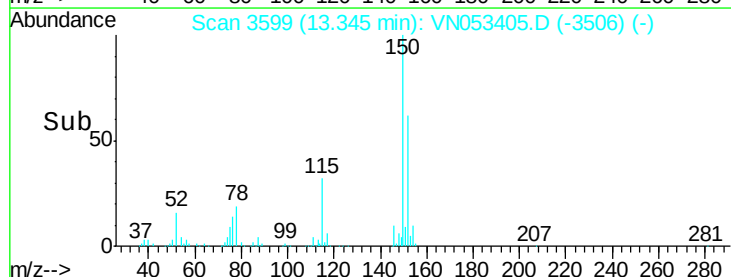
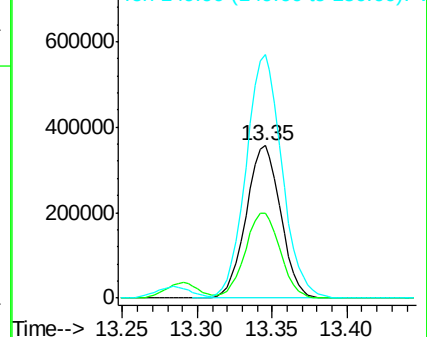
152 100

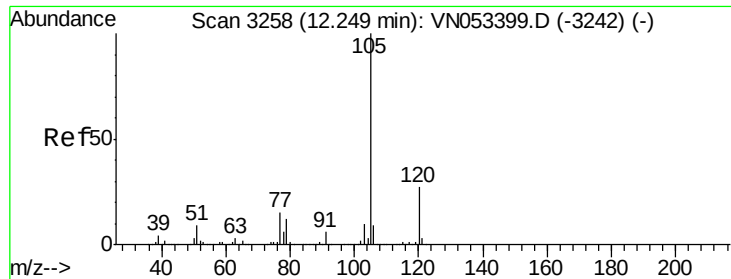
115 56.6 28.0 84.0

150 165.7 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.364 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

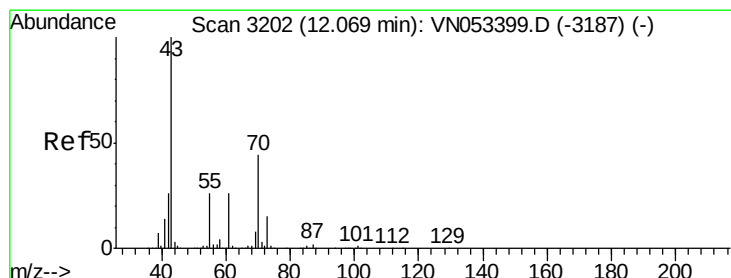
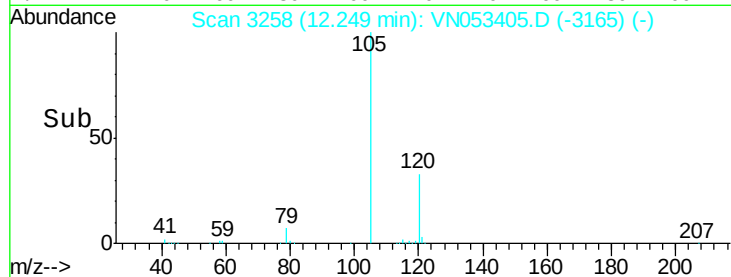
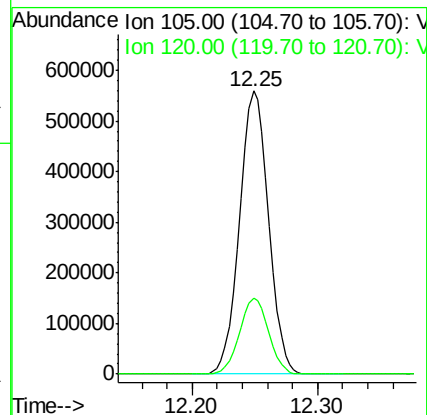
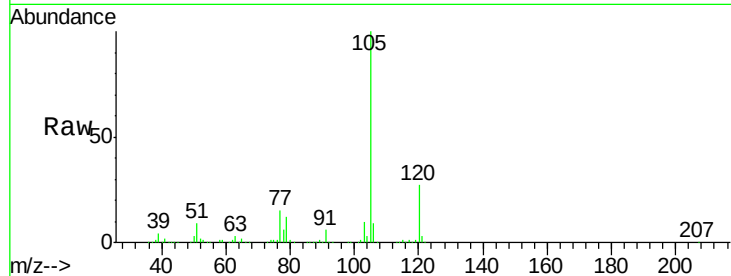
VN0115WBSD01

Tot Ion:105 Resp: 896061

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 23.135 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion: 43 Resp: 258662

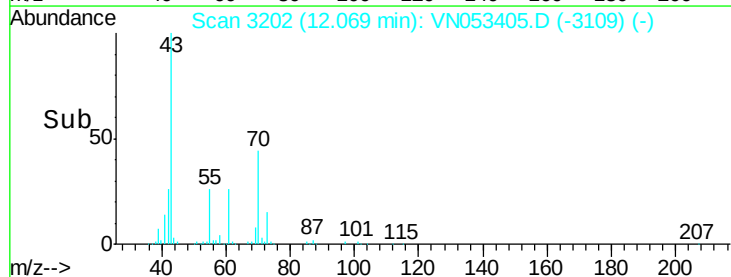
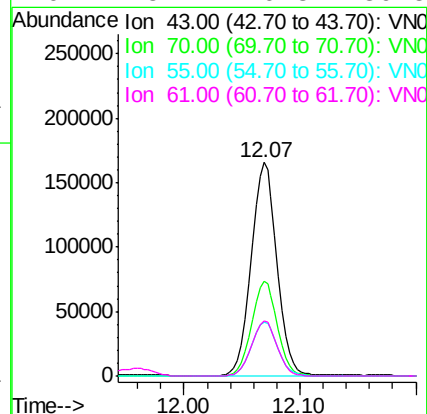
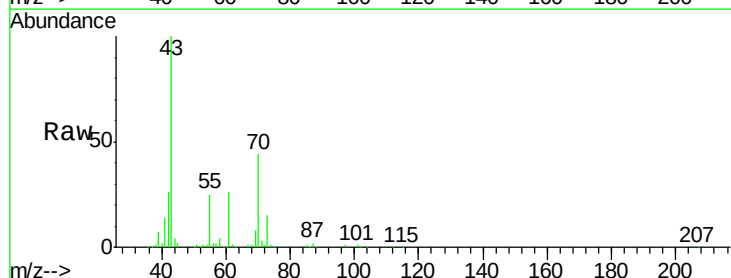
Ion Ratio Lower Upper

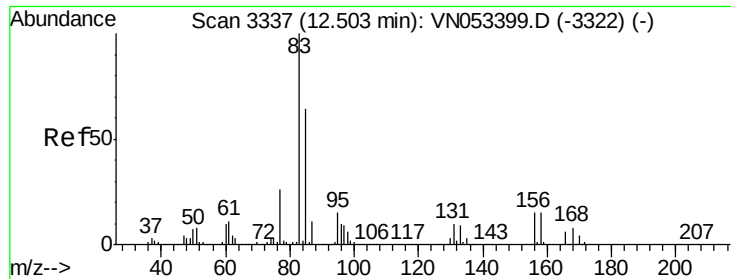
43 100

70 43.9 35.0 52.6

55 25.9 20.0 30.0

61 25.7 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.957 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

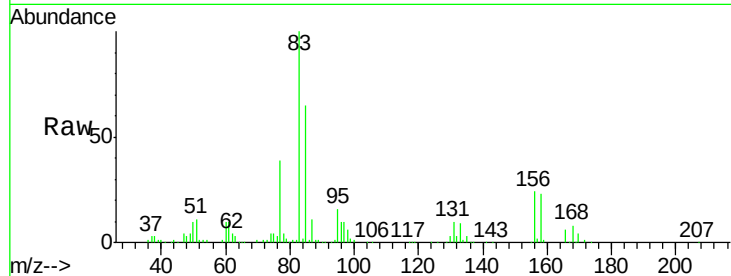
Tot Ion: 83 Resp: 201941

Ion Ratio Lower Upper

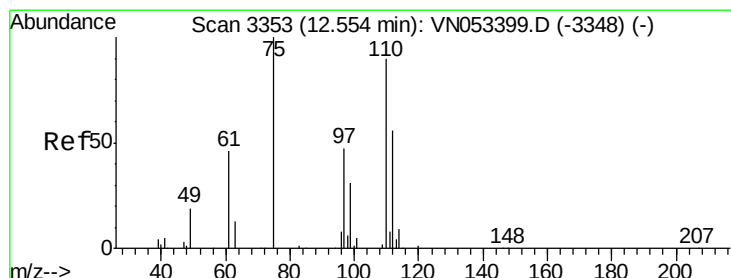
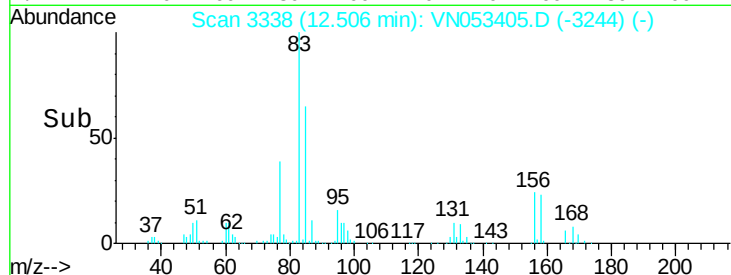
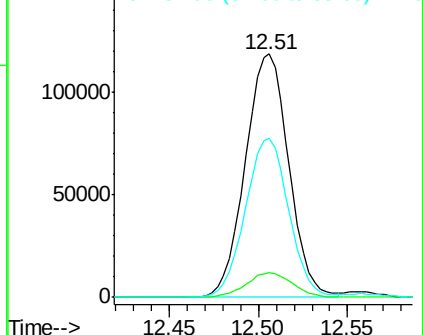
83 100

131 10.7 5.3 15.9

85 65.0 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 37.224 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053405.D

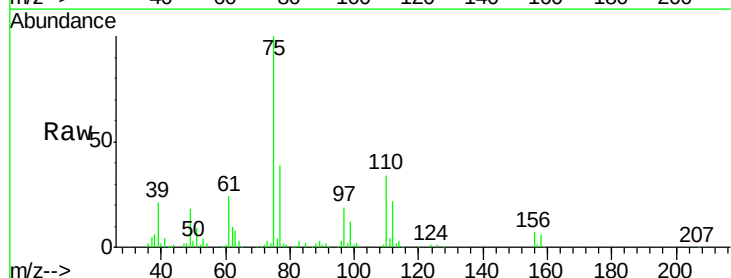
Acq: 15 Jan 2019 14:00

Tgt Ion: 75 Resp: 268426

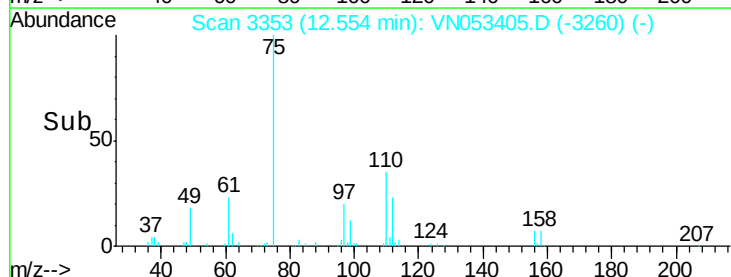
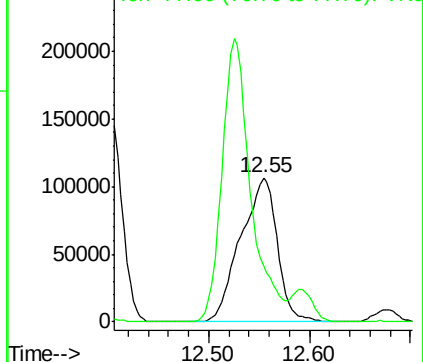
Ion Ratio Lower Upper

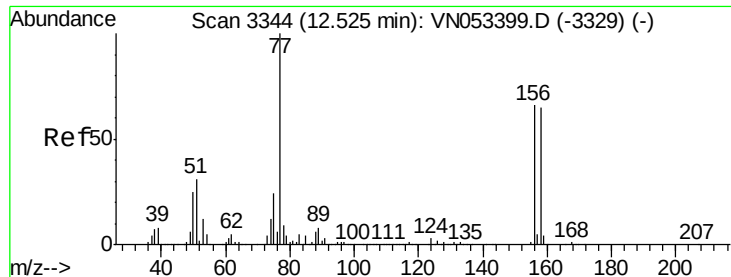
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.273 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

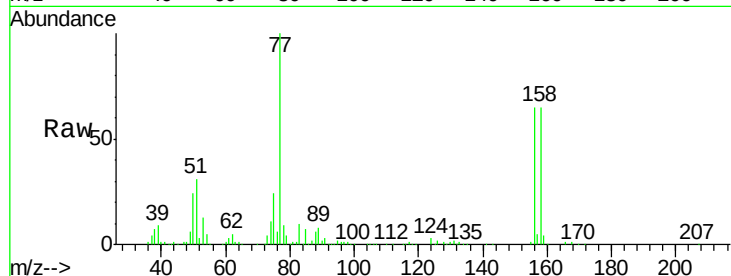
Tot Ion:156 Resp: 235103

Ion Ratio Lower Upper

156 100

77 177.6 89.3 268.1

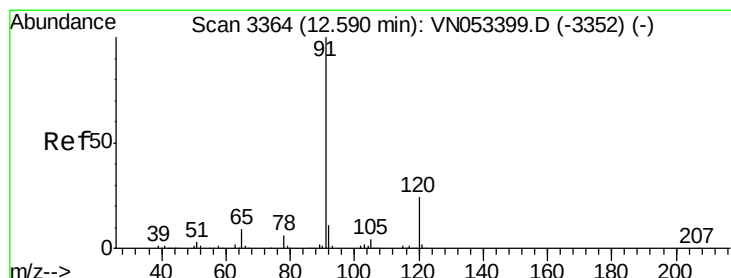
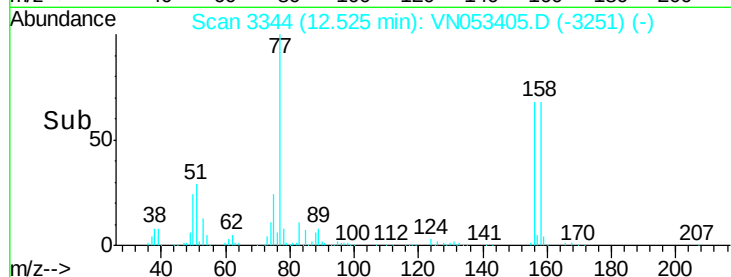
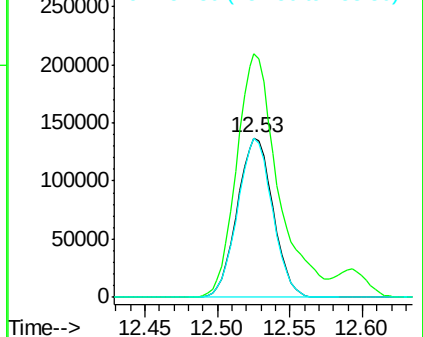
158 97.2 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.227 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053405.D

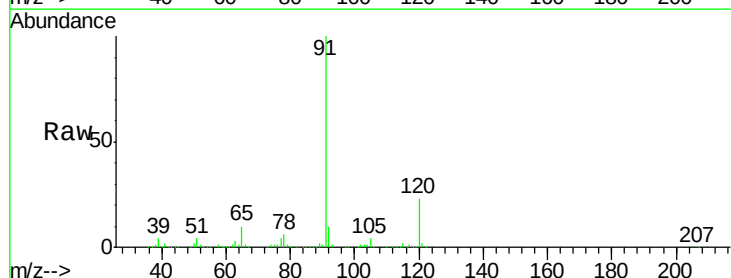
Acq: 15 Jan 2019 14:00

Tgt Ion: 91 Resp: 1021948

Ion Ratio Lower Upper

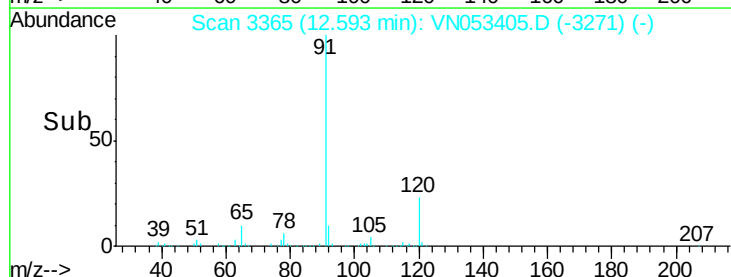
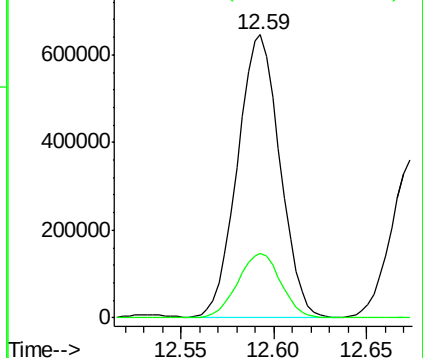
91 100

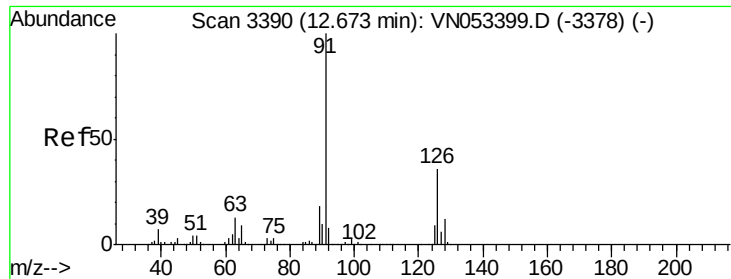
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

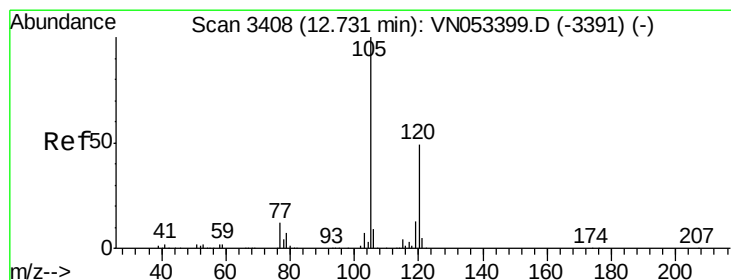
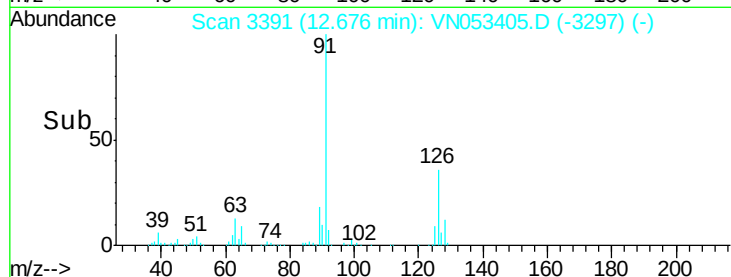
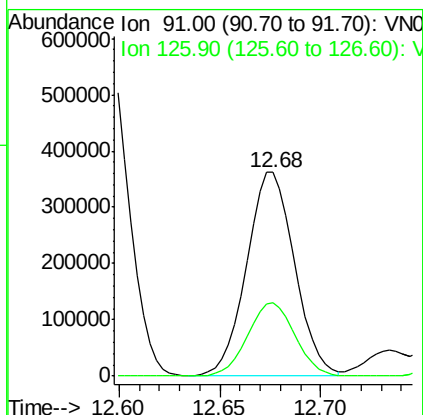
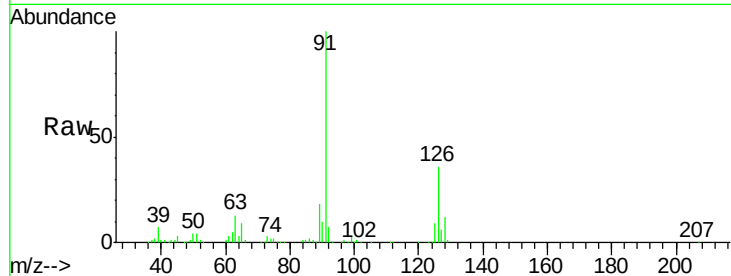




#79
 2-Chlorotoluene
 Concen: 21.031 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

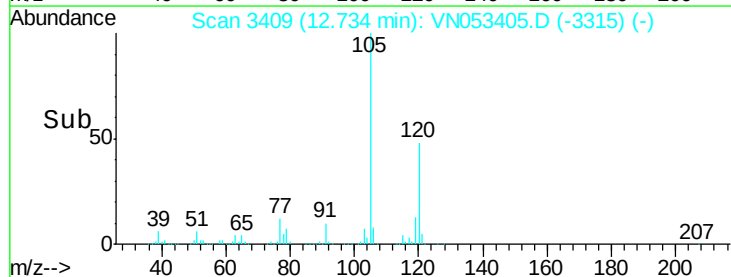
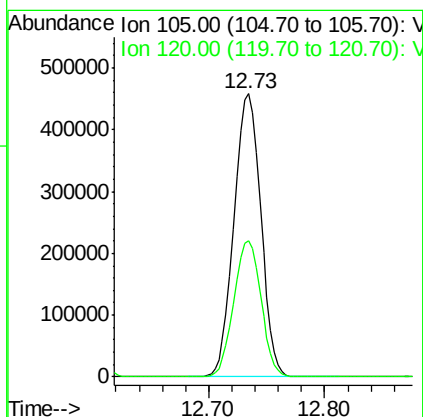
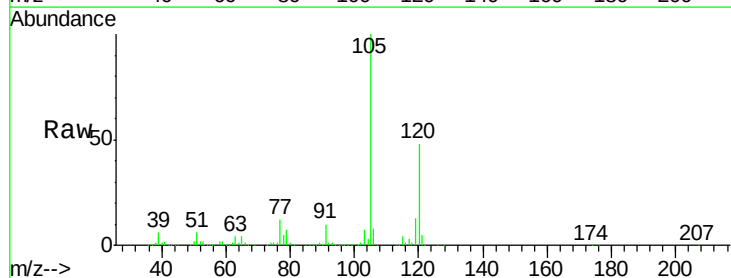
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

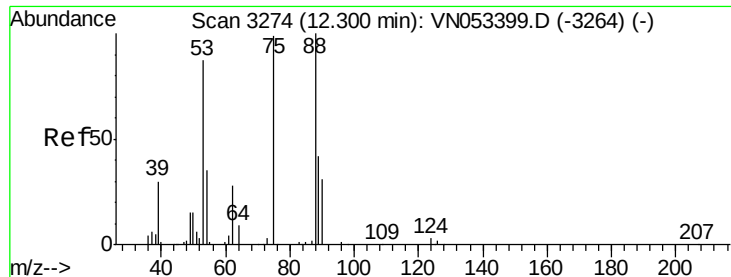
Tot Ion: 91 Resp: 600160
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.498 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion: 105 Resp: 733615
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.696 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

VN0115WBSD01

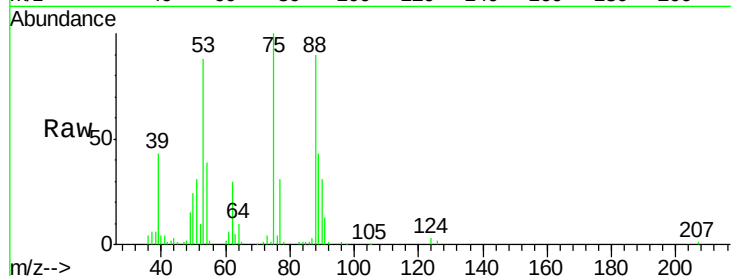
Tot Ion: 75 Resp: 60200

Ion Ratio Lower Upper

75 100

53 90.6 70.5 105.7

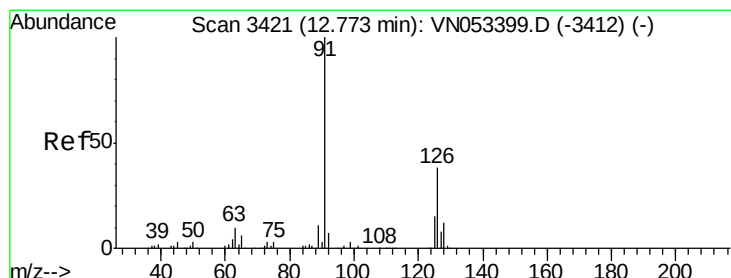
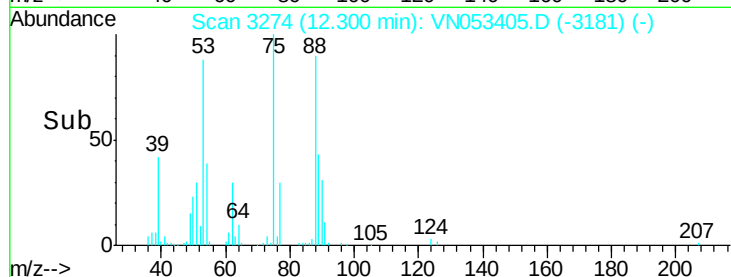
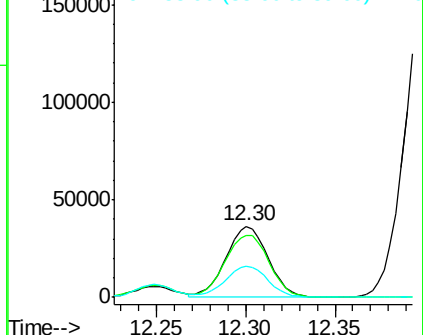
89 43.7 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.214 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053405.D

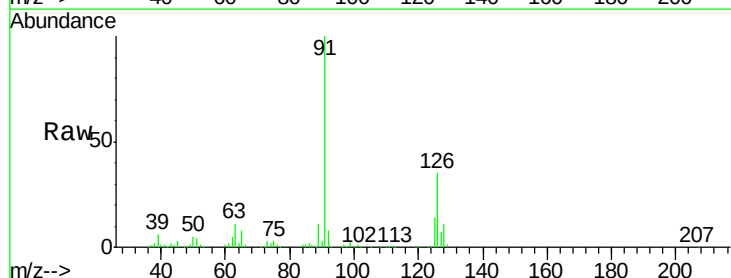
Acq: 15 Jan 2019 14:00

Tgt Ion: 91 Resp: 617347

Ion Ratio Lower Upper

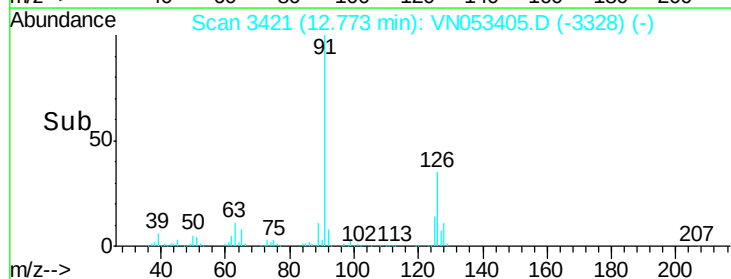
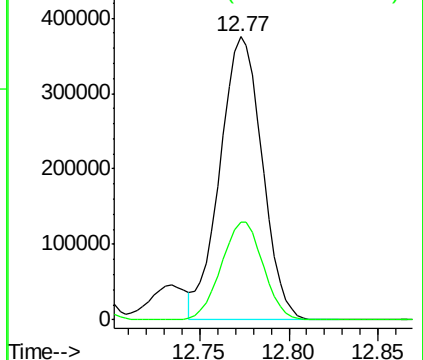
91 100

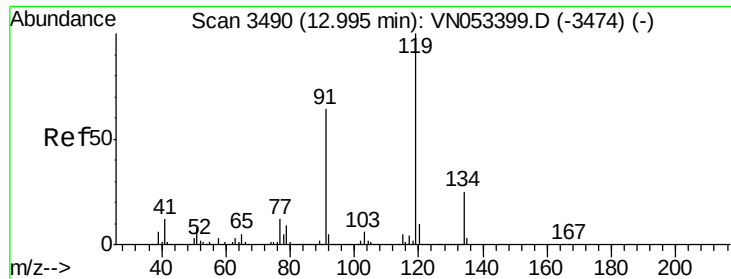
126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

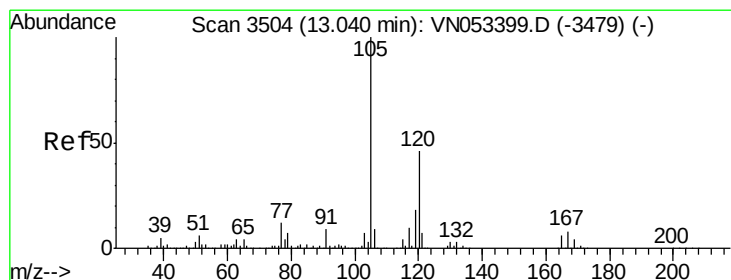
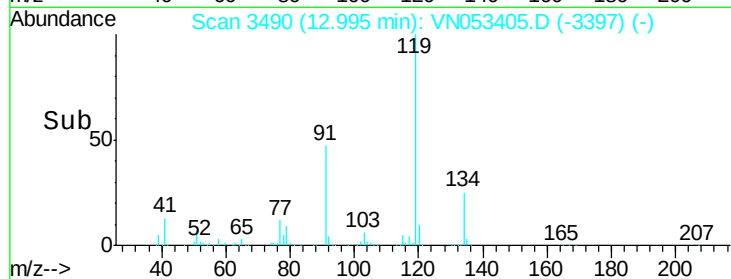
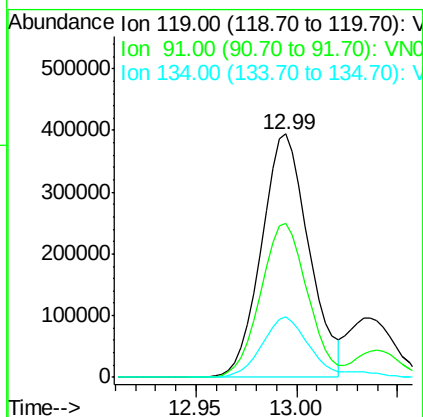
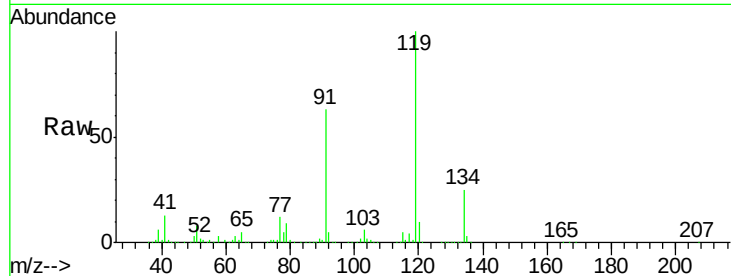




#83
 tert-Butylbenzene
 Concen: 21.418 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

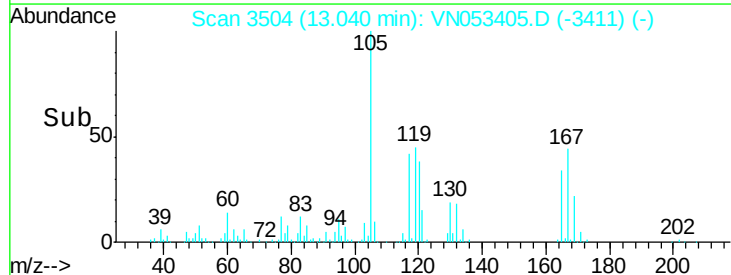
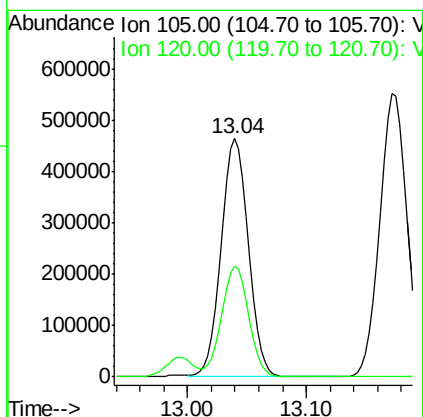
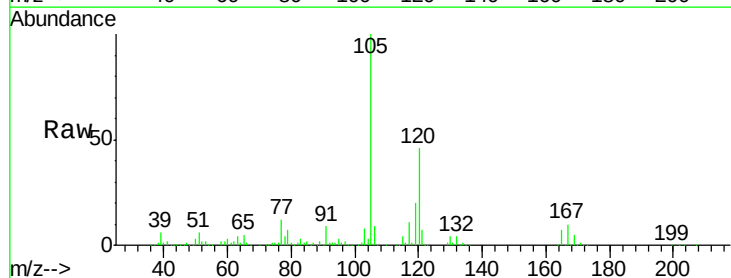
Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBSD01

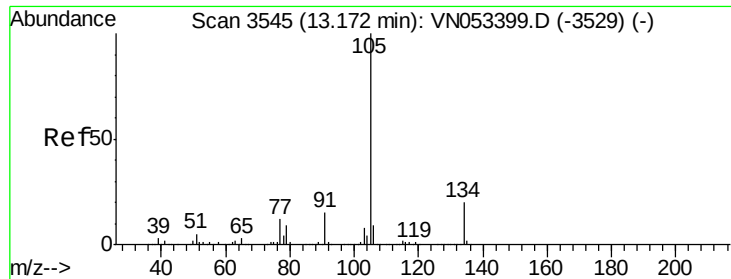
Tot Ion:119 Resp: 645529
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 95.0
 134 25.8 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.368 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion:105 Resp: 735236
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.303 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleId :

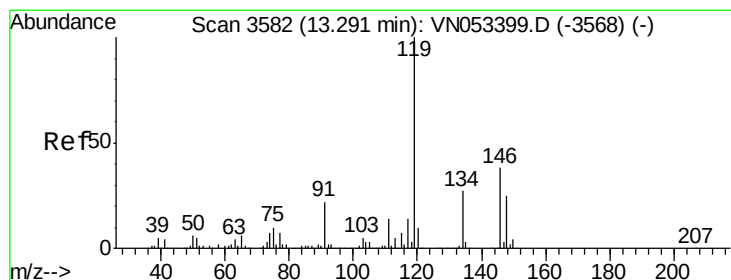
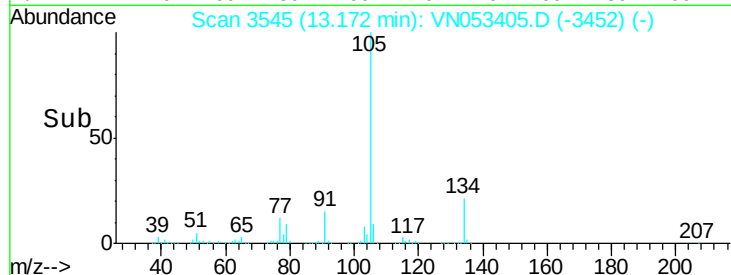
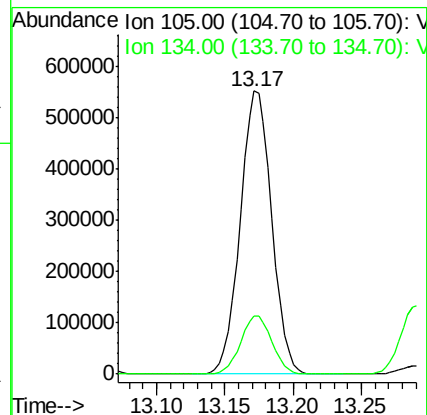
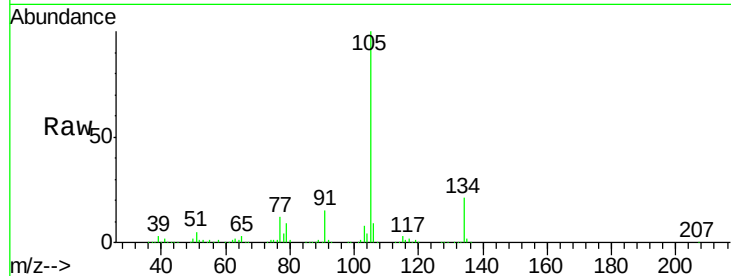
VN0115WBSD01

Tot Ion:105 Resp: 880575

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 21.225 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

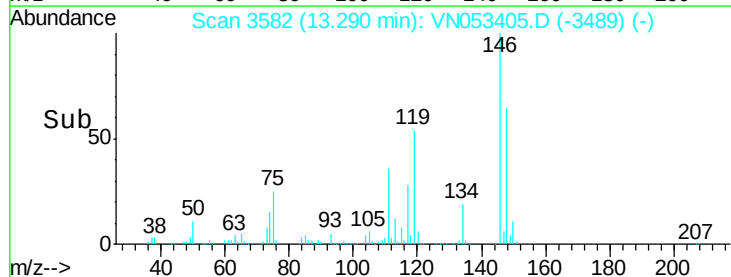
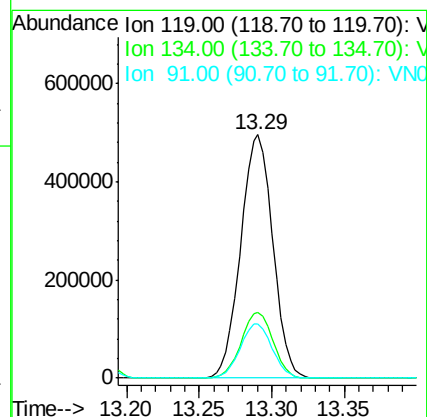
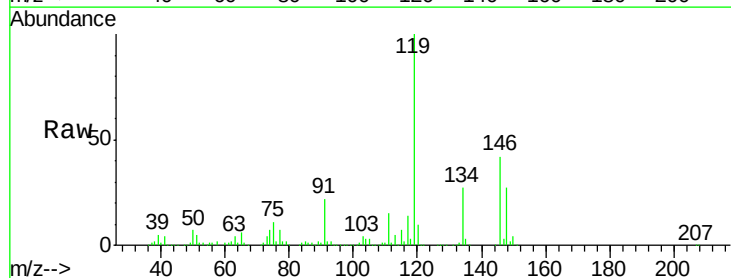
Tgt Ion:119 Resp: 761776

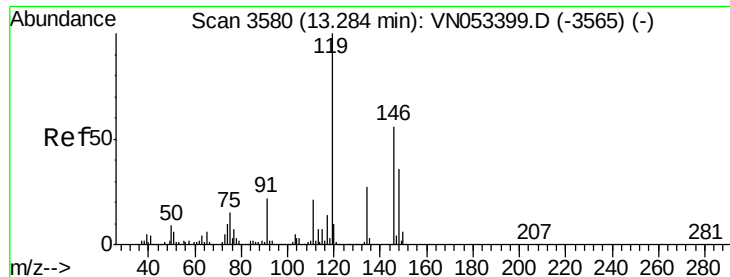
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.1 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 21.095 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

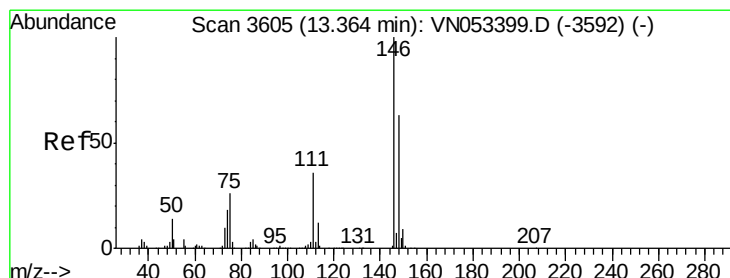
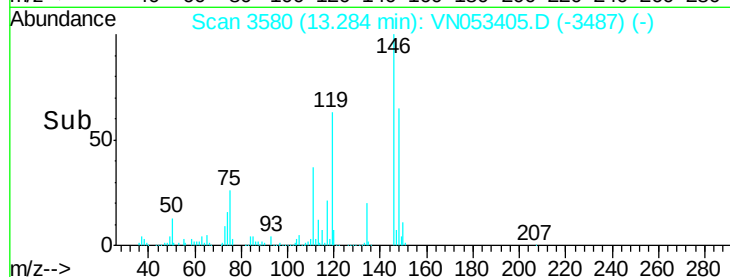
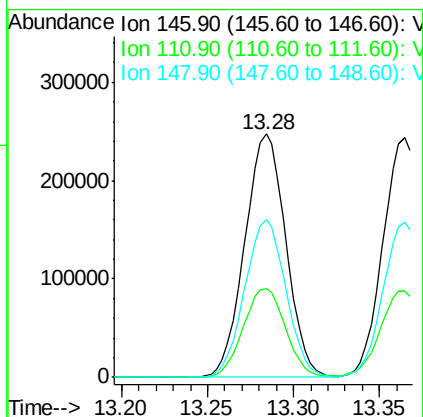
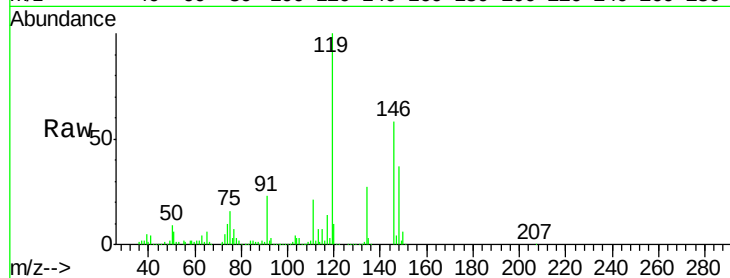
Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :
MSVOA_N
ClientSampleId :
VN0115WBSD01

Tot Ion:146 Resp: 410093

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	64.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 20.749 ug/l

RT: 13.36 min Scan# 3605

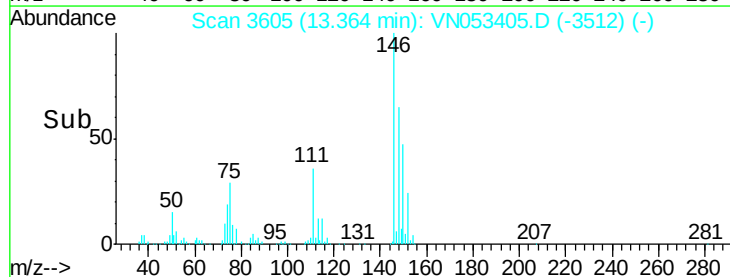
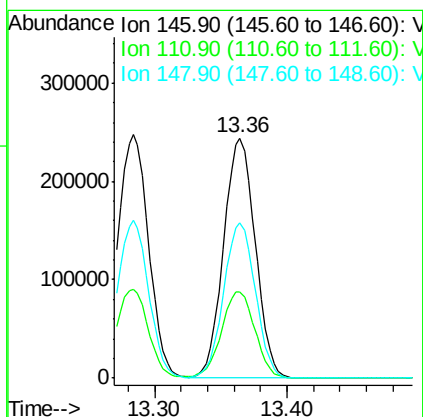
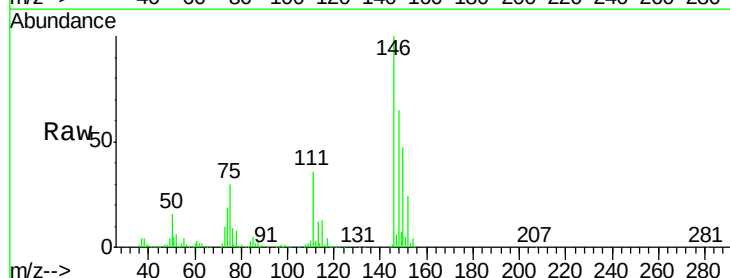
Delta R.T. -0.00 min

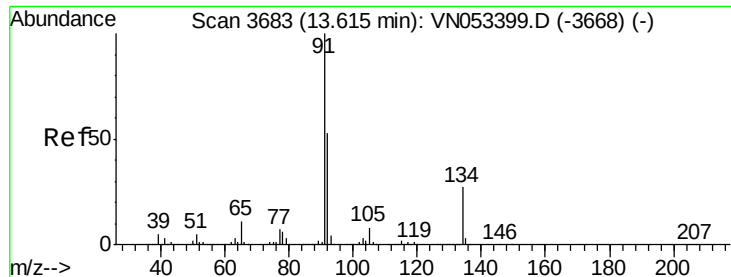
Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Tgt Ion:146 Resp: 404618

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.7	32.0	96.0





#89

n-Butylbenzene

Concen: 20.718 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampleID :

VN0115WBSD01

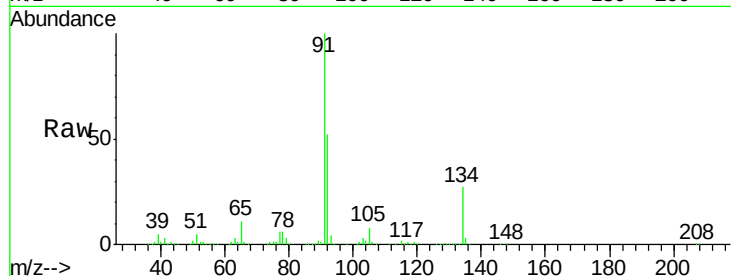
Tot Ion: 91 Resp: 633822

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.8

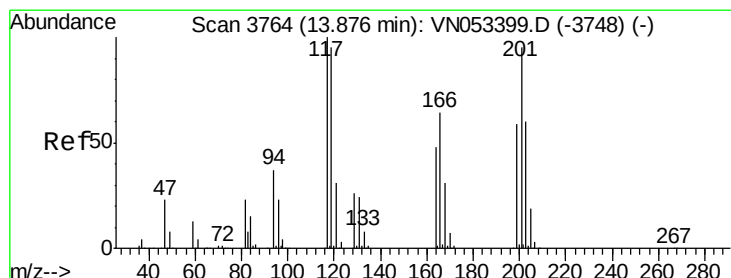
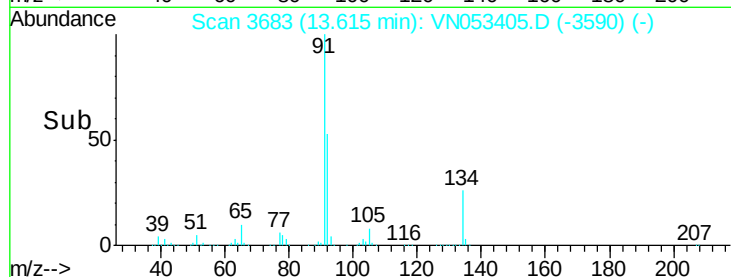
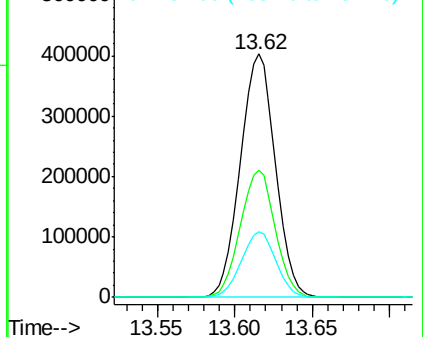
134 26.7 13.5 40.5



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: 20.726 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053405.D

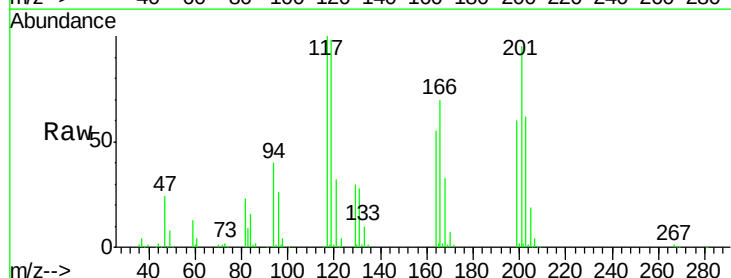
Acq: 15 Jan 2019 14:00

Tgt Ion: 117 Resp: 116662

Ion Ratio Lower Upper

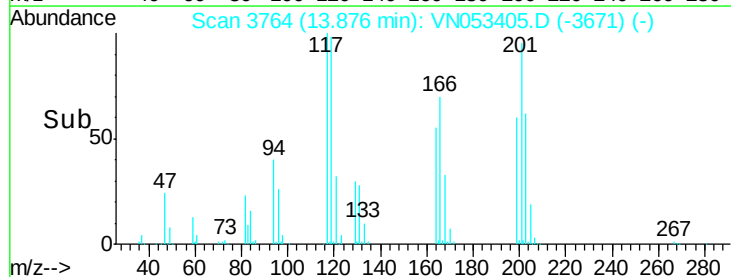
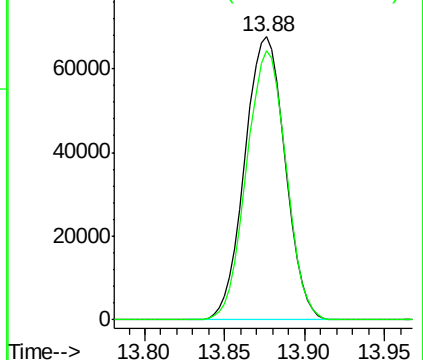
117 100

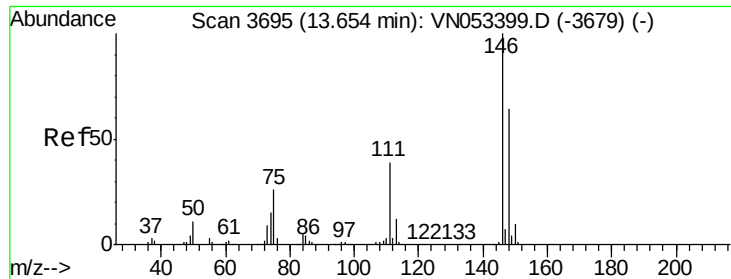
201 93.2 46.1 138.3



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

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

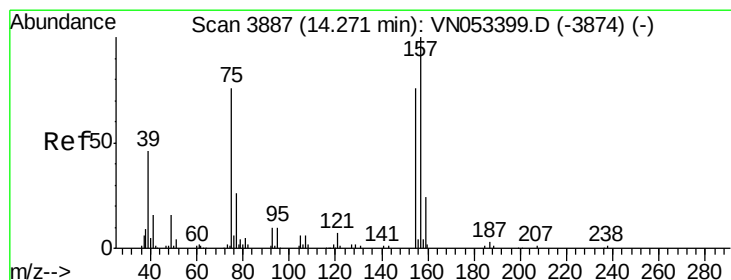
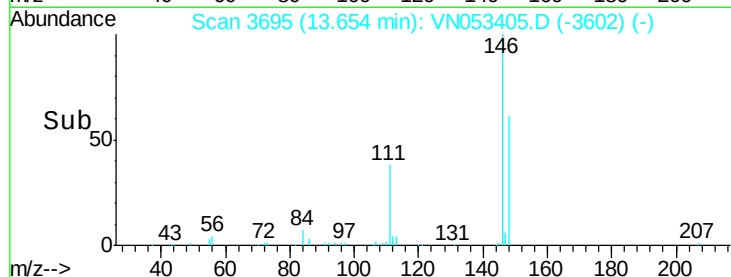
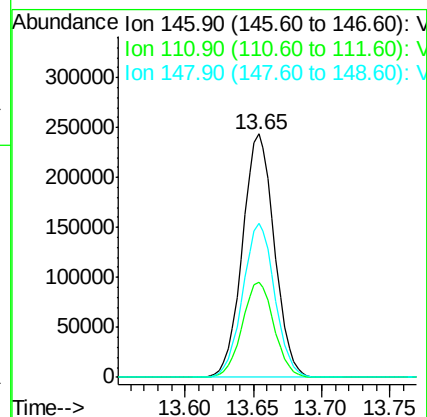
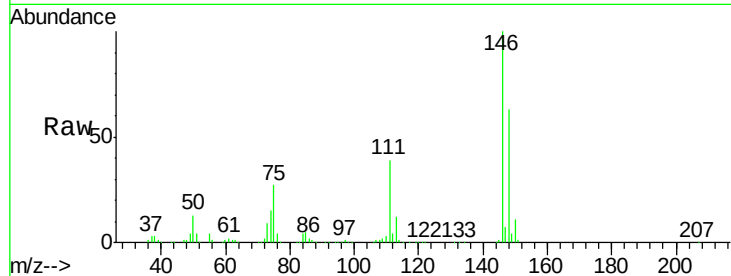




#91
 1,2-Dichlorobenzene
 Concen: 22.060 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

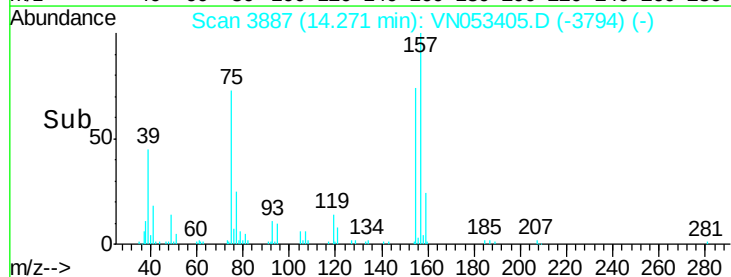
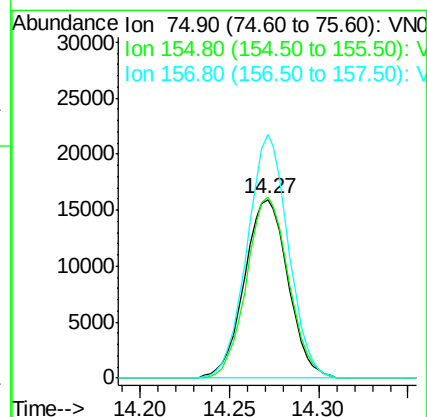
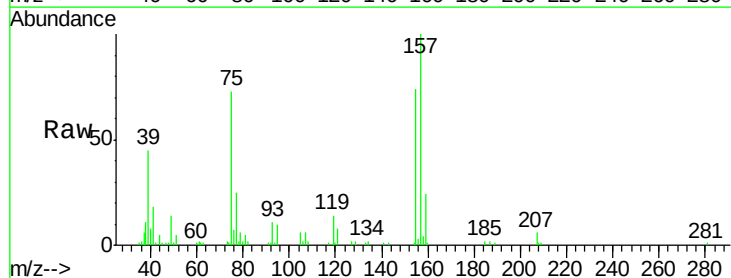
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0115WBSD01

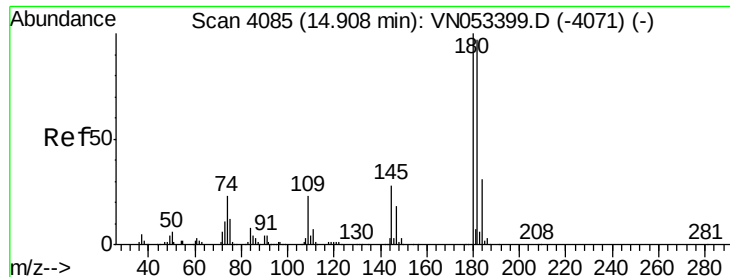
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	63.4	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.410 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.1	144.3
157	128.6	61.5	184.4

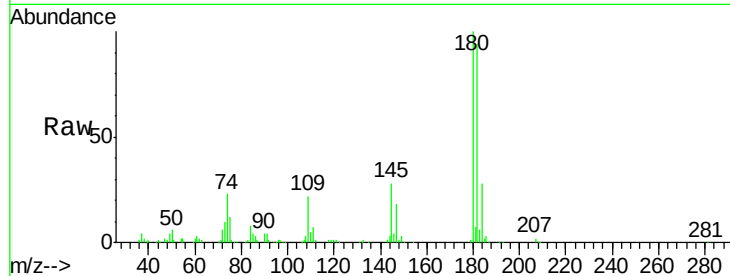




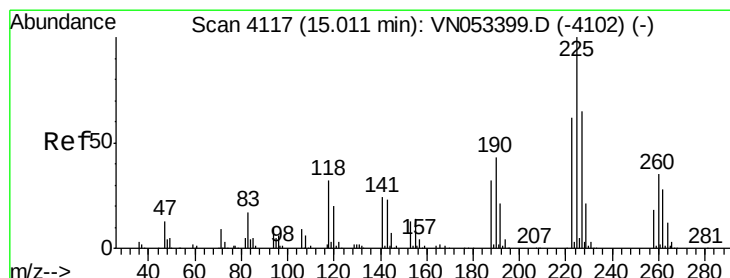
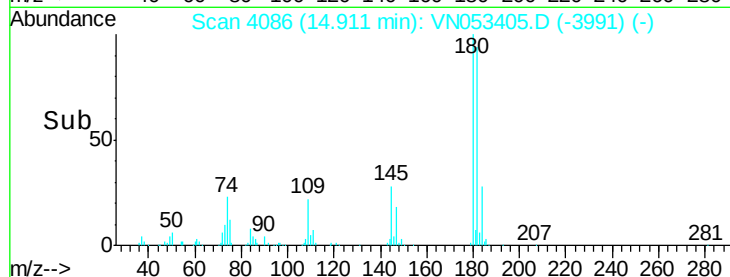
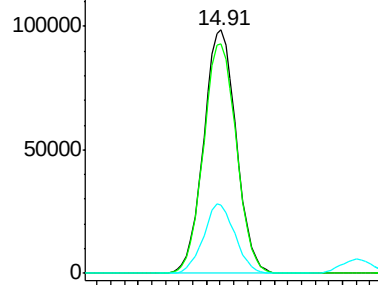
#93
 1,2,4-Trichlorobenzene
 Concen: 22.293 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0115WBSD01

Tot Ion:180 Resp: 163118
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.4
 145 27.6 14.4 43.0

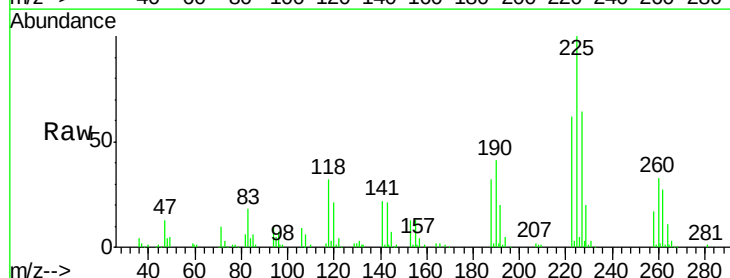


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

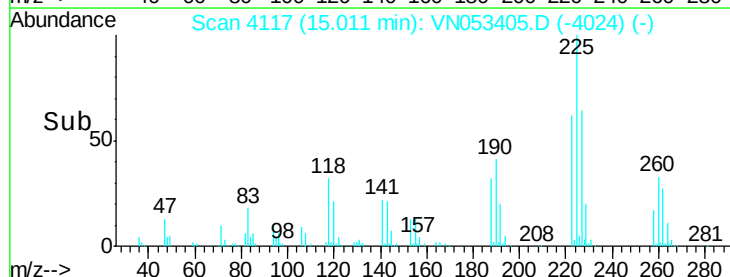
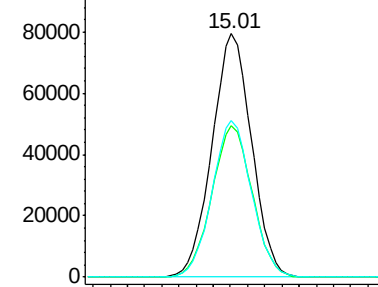


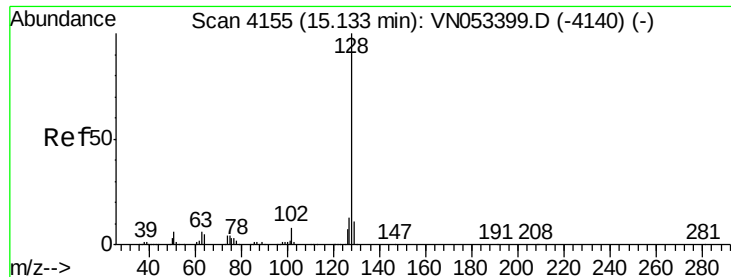
#94
 Hexachlorobutadiene
 Concen: 22.654 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053405.D
 Acq: 15 Jan 2019 14:00

Tgt Ion:225 Resp: 126392
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.8
 227 63.9 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.286 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

Instrument :

MSVOA_N

ClientSampled :

VN0115WBSD01

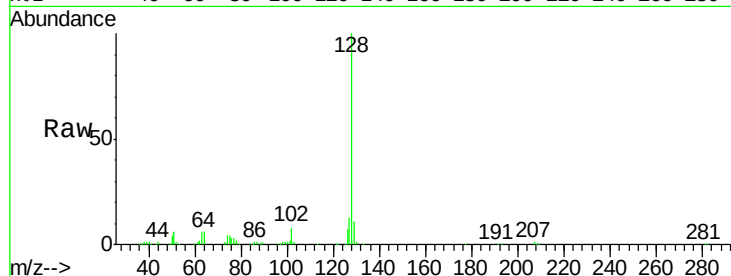
Tot Ion:128 Resp: 290776

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

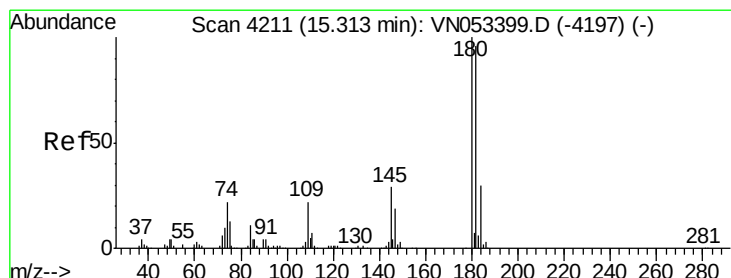
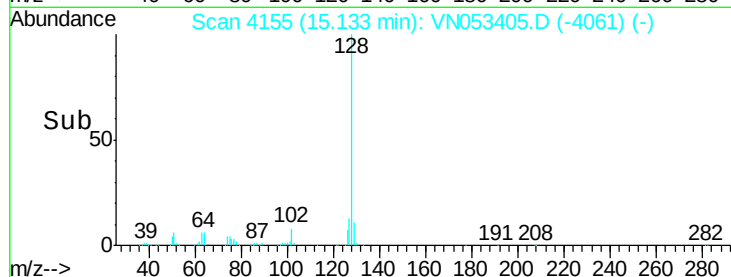
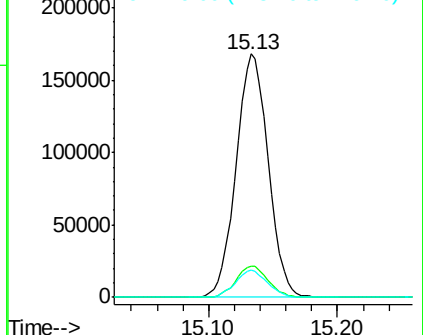
129 11.0 8.7 13.1



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: 23.116 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053405.D

Acq: 15 Jan 2019 14:00

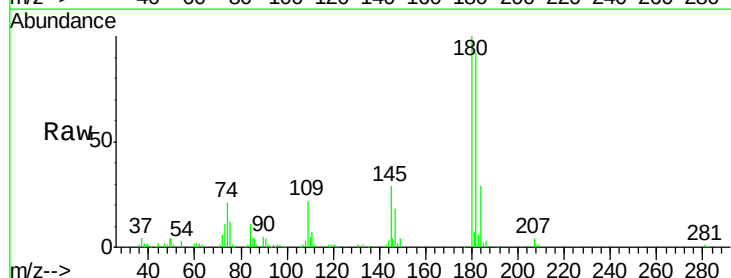
Tgt Ion:180 Resp: 120331

Ion Ratio Lower Upper

180 100

182 94.1 48.4 145.0

145 29.7 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

