

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053416.D
 Acq On : 16 Jan 2019 11:14
 Operator : JC/SP
 Sample : VN0116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Quant Time: Jan 17 03:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	800219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1221354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1114888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	539764	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	416415	52.65	ug/l	0.00
Spiked Amount						
			Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	364087	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	
50) Toluene-d8	10.09	98	1501650	50.94	ug/l	0.00
Spiked Amount						
			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	524490	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	128164	19.920	ug/l	98
3) Chloromethane	2.06	50	187995	20.437	ug/l	98
4) Vinyl Chloride	2.19	62	180969	20.409	ug/l	100
5) Bromomethane	2.57	94	124489	20.461	ug/l	95
6) Chloroethane	2.71	64	107902	20.127	ug/l	97
7) Trichlorofluoromethane	3.03	101	237553	20.482	ug/l	99
8) Diethyl Ether	3.41	74	91369	20.975	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	150461	20.484	ug/l	99
10) Methyl Iodide	3.96	142	229025	20.404	ug/l	99
11) Tert butyl alcohol	4.78	59	49478	127.843	ug/l	98
12) 1,1-Dichloroethene	3.74	96	146777	20.602	ug/l	99
13) Acrolein	3.61	56	71440	108.731	ug/l	98
14) Allyl chloride	4.33	41	227312	19.643	ug/l	95
15) Acrylonitrile	4.99	53	288584	113.302	ug/l	100
16) Acetone	3.81	43	201134	108.388	ug/l	99
17) Carbon Disulfide	4.06	76	432081	20.055	ug/l	99
18) Methyl Acetate	4.32	43	136298	21.800	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	413035	21.819	ug/l	99
20) Methylene Chloride	4.56	84	172736	20.389	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	157745	20.710	ug/l	97
22) Diisopropyl ether	5.95	45	515472	21.337	ug/l	99
23) Vinyl Acetate	5.90	43	1642469	110.600	ug/l	100
24) 1,1-Dichloroethane	5.85	63	296854	20.786	ug/l	100
25) 2-Butanone	6.83	43	324878	113.608	ug/l	99
26) 2,2-Dichloropropane	6.83	77	219482	20.355	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	184370	21.168	ug/l	100
28) Bromochloromethane	7.19	49	133593	21.233	ug/l	98
29) Tetrahydrofuran	7.21	42	211701	113.718	ug/l	98
30) Chloroform	7.37	83	293416	21.087	ug/l	99
31) Cyclohexane	7.66	56	281120	20.093	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246738	20.903	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223303	20.076	ug/l	99
37) Ethyl Acetate	6.93	43	141786	22.156	ug/l	99
38) Carbon Tetrachloride	7.78	117	214856	20.403	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	272033	19.787	ug/l	99
40) Benzene	8.04	78	689255	20.392	ug/l	99
41) Methacrylonitrile	7.17	41	82178	21.990	ug/l	94
42) 1,2-Dichloroethane	8.12	62	207634	21.086	ug/l	100
43) Isopropyl Acetate	8.16	43	254105	22.083	ug/l	100
44) Trichloroethene	8.84	130	191185	20.396	ug/l	99
45) 1,2-Dichloropropane	9.12	63	183828	20.533	ug/l	99
46) Dibromomethane	9.21	93	108532	21.100	ug/l	99
47) Bromodichloromethane	9.40	83	220912	20.422	ug/l	99
48) Methyl methacrylate	9.20	41	127831	21.516	ug/l	98
49) 1,4-Dioxane	9.20	88	26497	456.657	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	719575	114.554	ug/l	100
52) Toluene	10.16	92	427152	20.356	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227681	20.766	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	266375	20.725	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156691	21.658	ug/l	98
56) Ethyl methacrylate	10.43	69	202607	20.979	ug/l	99
57) 1,3-Dichloropropane	10.71	76	266525	21.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	545926	107.864	ug/l	100
59) 2-Hexanone	10.75	43	497693	112.867	ug/l	99
60) Dibromochloromethane	10.90	129	171039	20.844	ug/l	100
61) 1,2-Dibromoethane	11.01	107	156530	21.393	ug/l	98
64) Tetrachloroethene	10.63	164	209010	19.893	ug/l	98
65) Chlorobenzene	11.43	112	483031	20.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166499	20.281	ug/l	100
67) Ethyl Benzene	11.51	91	814059	20.241	ug/l	99
68) m/p-Xylenes	11.62	106	630627	41.531	ug/l	99
69) o-Xylene	11.95	106	306412	20.767	ug/l	99
70) Styrene	11.96	104	503102	21.010	ug/l	99
71) Bromoform	12.13	173	121335	21.468	ug/l #	99
73) Isopropylbenzene	12.25	105	808441	20.453	ug/l	99
74) N-amyl acetate	12.07	43	227961	21.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	180651	21.792	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	242727	34.124	ug/l #	100
77) Bromobenzene	12.53	156	213539	20.502	ug/l	99
78) n-propylbenzene	12.59	91	934644	20.599	ug/l	99
79) 2-Chlorotoluene	12.68	91	553114	20.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	671029	20.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54318	20.880	ug/l	97
82) 4-Chlorotoluene	12.77	91	565466	20.618	ug/l	99
83) tert-Butylbenzene	12.99	119	588998	20.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	677482	20.892	ug/l	100
85) sec-Butylbenzene	13.17	105	800690	20.554	ug/l	100
86) p-Isopropyltoluene	13.29	119	696108	20.580	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	375223	20.480	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	375604	20.438	ug/l	98
89) n-Butylbenzene	13.62	91	582969	20.219	ug/l	99
90) Hexachloroethane	13.88	117	107835	20.328	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	361191	21.429	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26017	24.751	ug/l	96

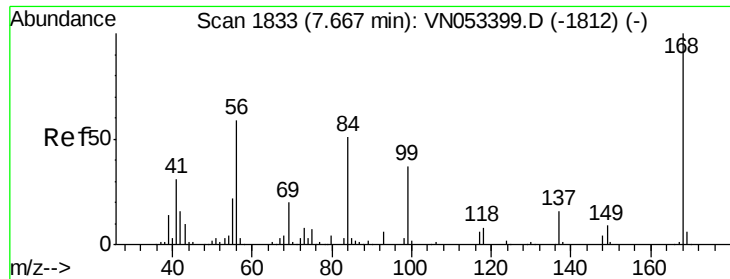
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
Data File : VN053416.D
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156382	22.630	ug/l	99
94) Hexachlorobutadiene	15.01	225	118170	22.474	ug/l	99
95) Naphthalene	15.13	128	274532	23.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	117731	23.849	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

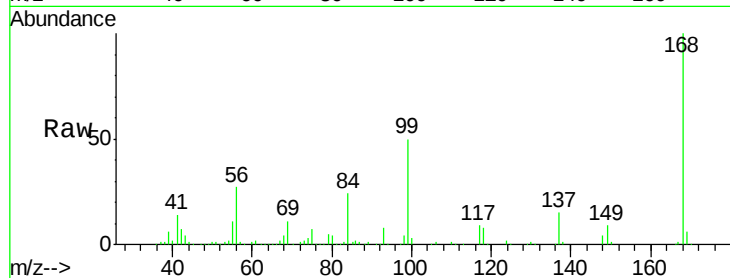
VN0116WBSD01

Tot Ion:168 Resp: 800219

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

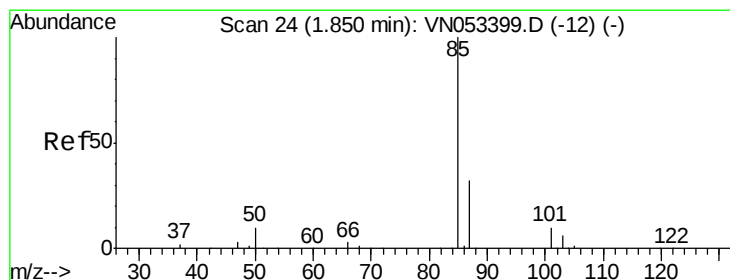
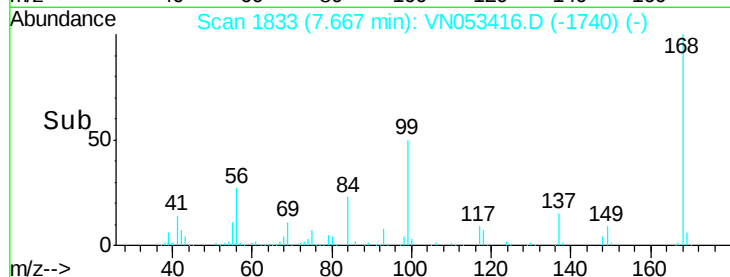
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.920 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053416.D

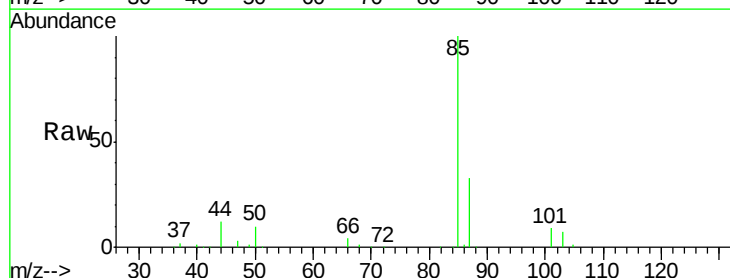
Acq: 16 Jan 2019 11:14

Tgt Ion: 85 Resp: 128164

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

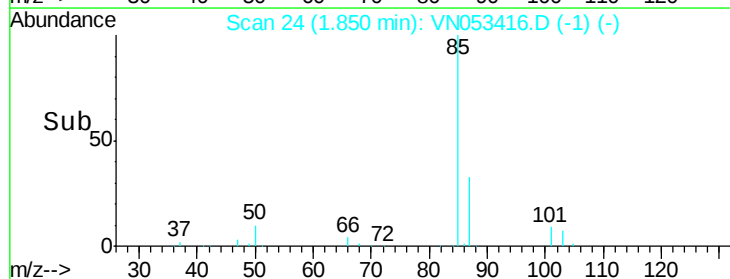
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 20.437 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

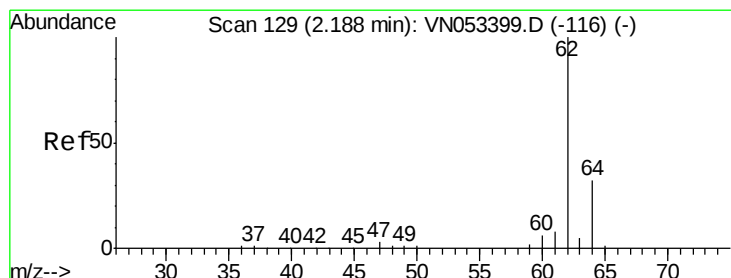
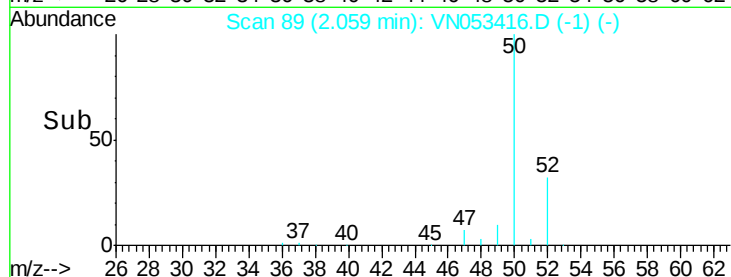
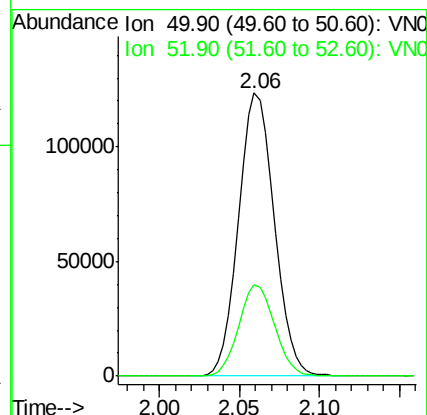
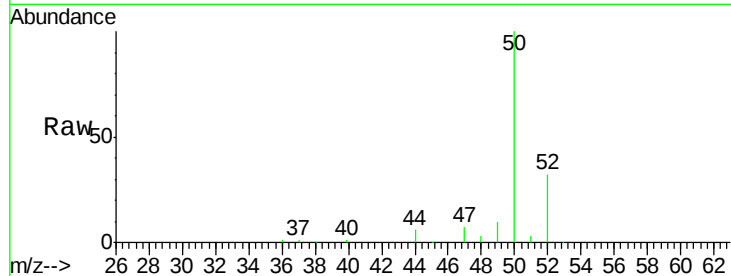
VN0116WBSD01

Tot Ion: 50 Resp: 187995

Ion Ratio Lower Upper

50 100

52 32.3 26.6 40.0



#4

Vinyl Chloride

Concen: 20.409 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053416.D

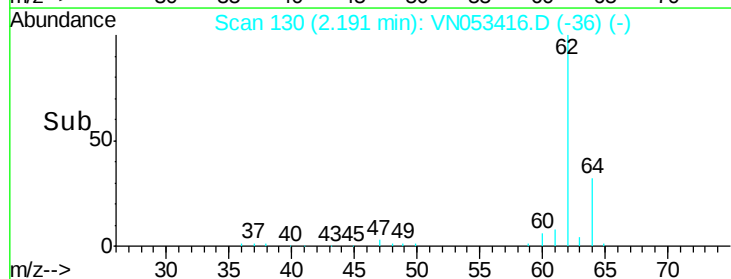
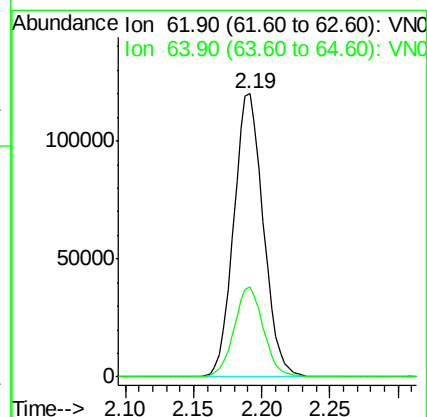
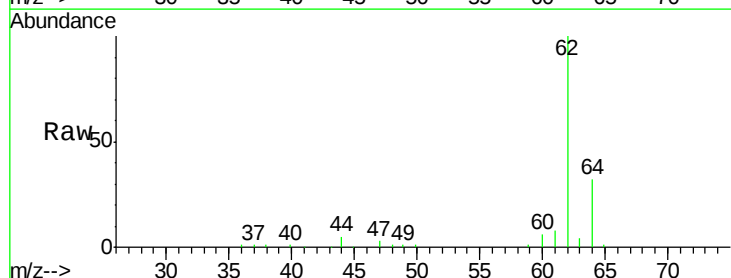
Acq: 16 Jan 2019 11:14

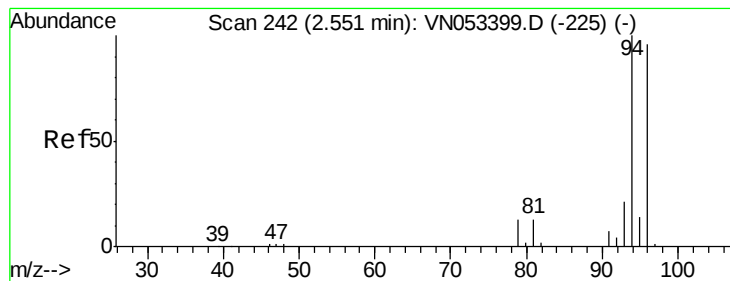
Tgt Ion: 62 Resp: 180969

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 20.461 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

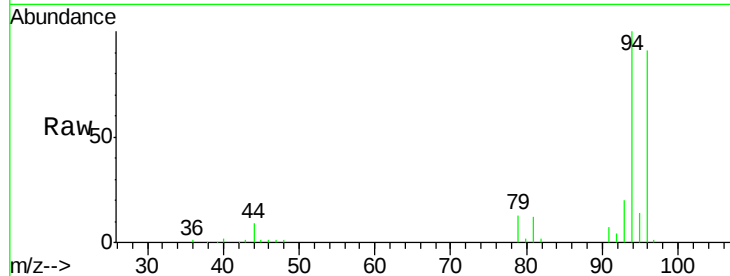
VN0116WBSD01

Tot Ion: 94 Resp: 124489

Ion Ratio Lower Upper

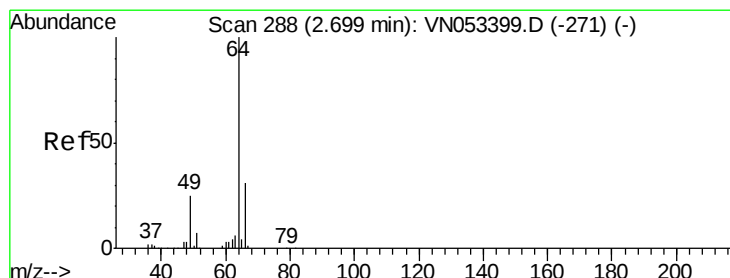
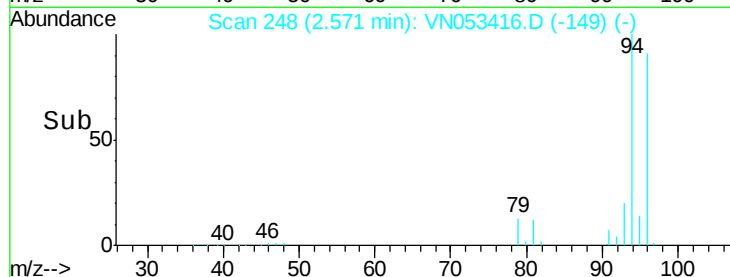
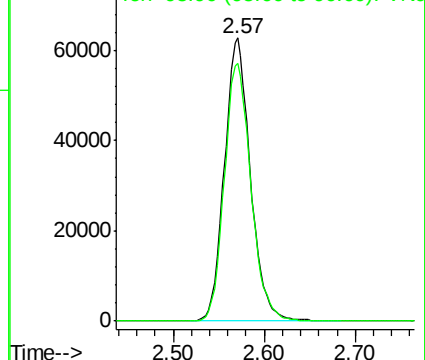
94 100

96 90.9 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.127 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053416.D

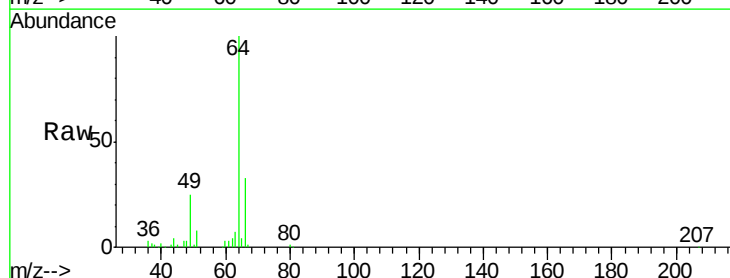
Acq: 16 Jan 2019 11:14

Tgt Ion: 64 Resp: 107902

Ion Ratio Lower Upper

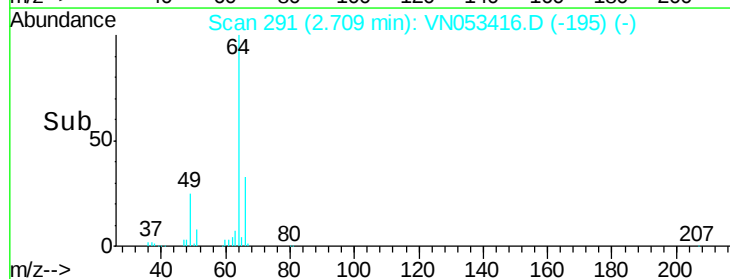
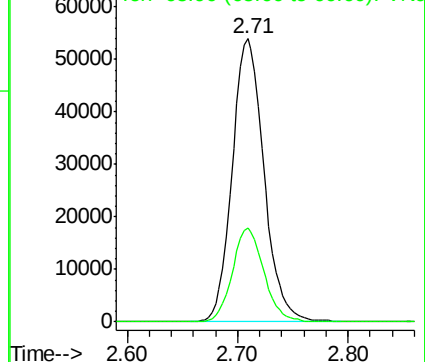
64 100

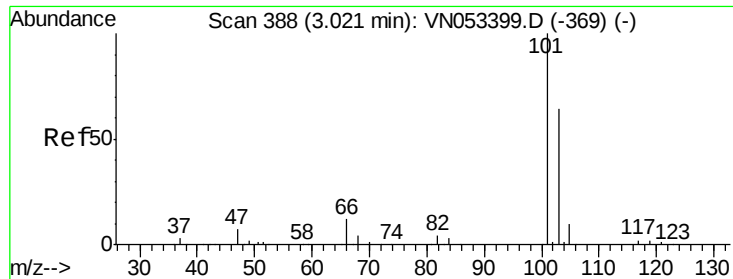
66 33.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



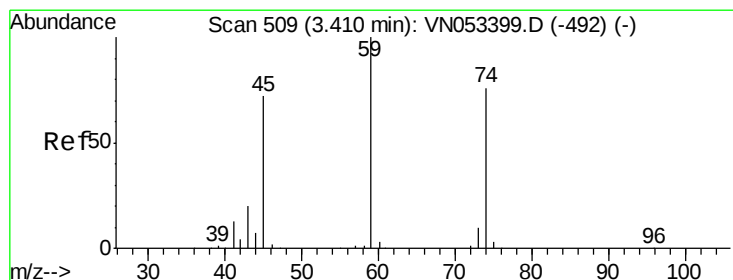
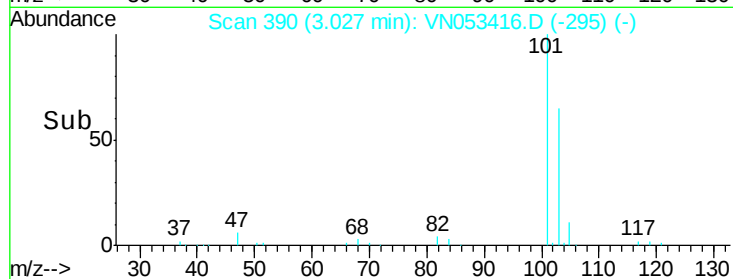
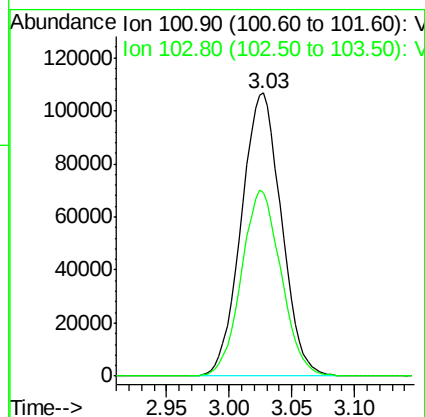
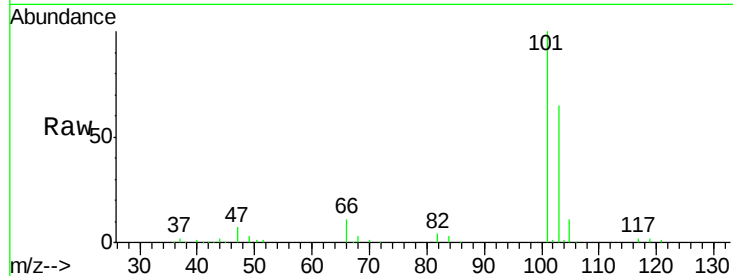


#7

Trichlorofluoromethane
Concen: 20.482 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

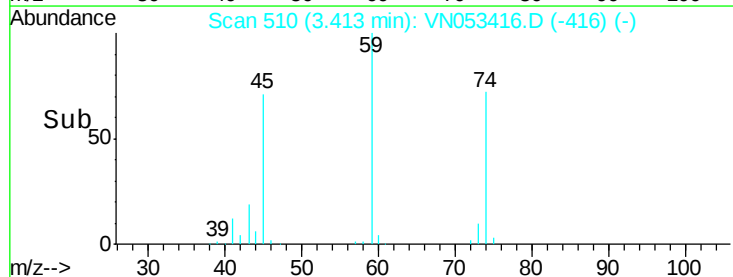
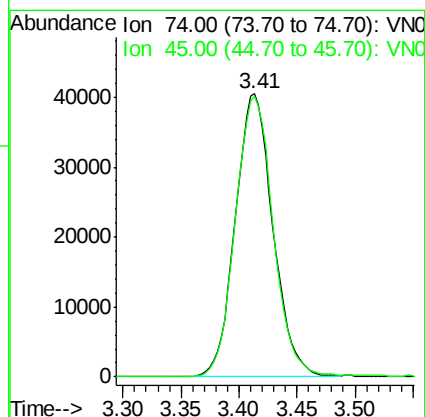
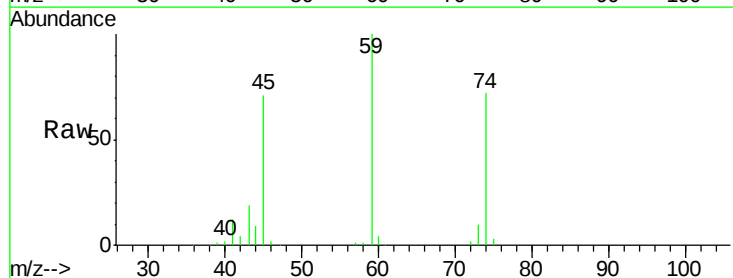
Tot Ion:101 Resp: 237553
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

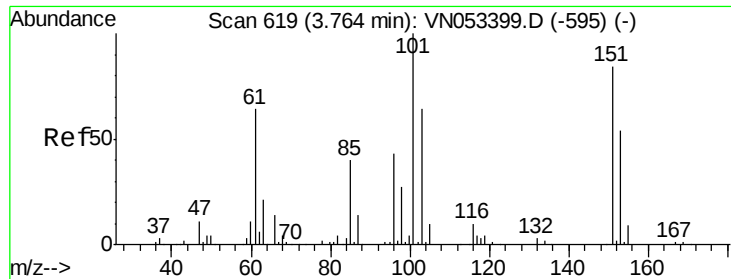


#8

Diethyl Ether
Concen: 20.975 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 74 Resp: 91369
Ion Ratio Lower Upper
74 100
45 99.8 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.484 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

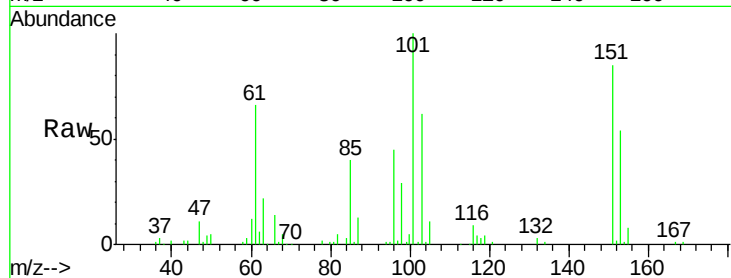
Tot Ion:101 Resp: 150461

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

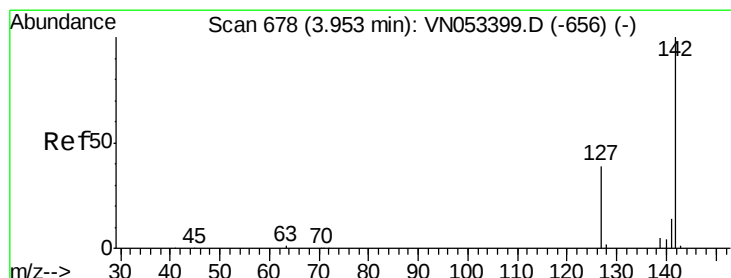
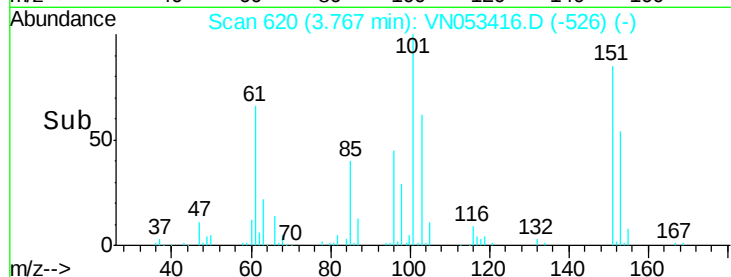
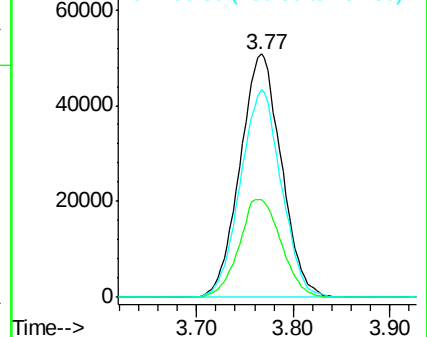
151 84.5 66.9 100.3



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: 20.404 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

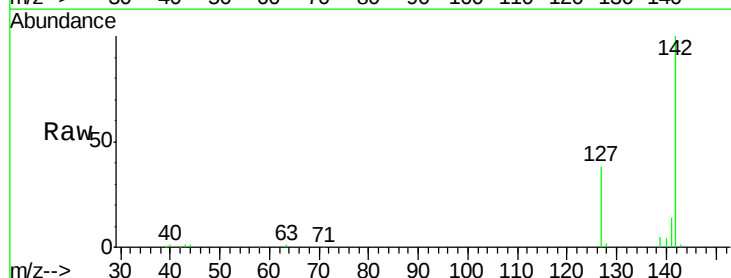
Tgt Ion:142 Resp: 229025

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

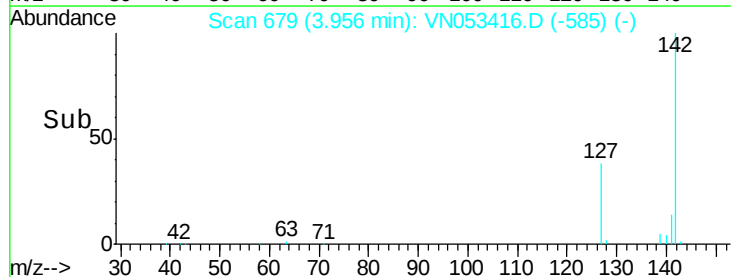
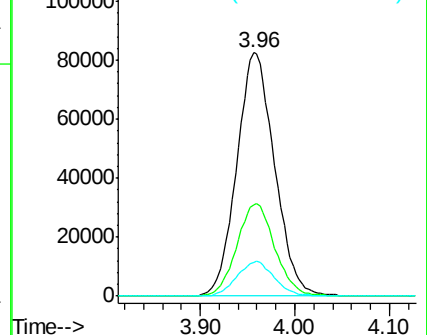
141 14.1 11.1 16.7

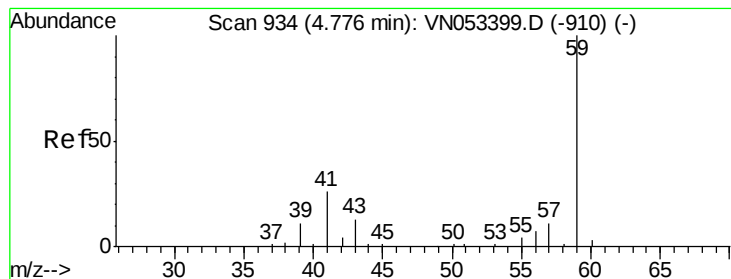


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 127.843 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

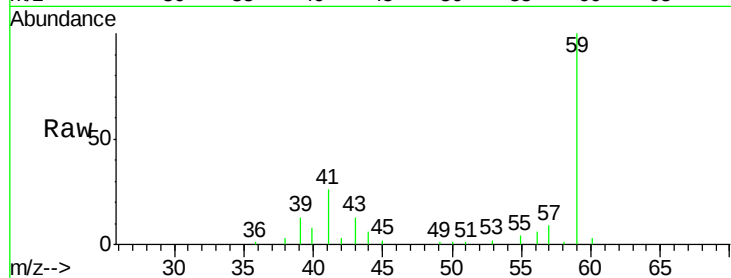
VN0116WBSD01

Tot Ion: 59 Resp: 49478

Ion Ratio Lower Upper

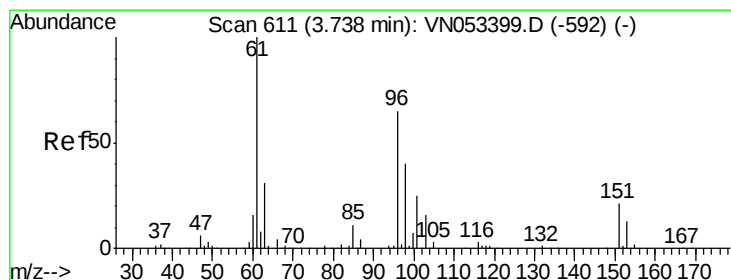
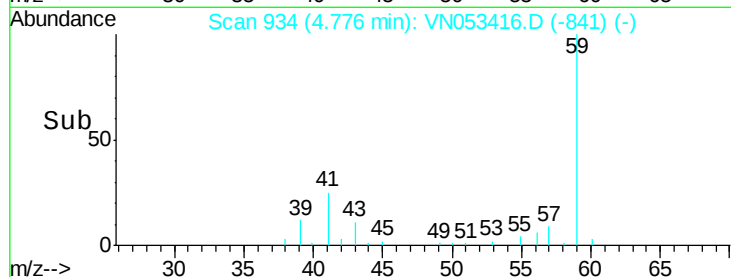
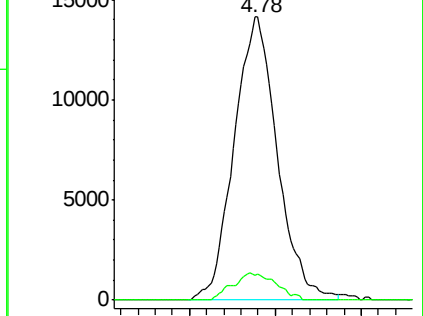
59 100

57 9.5 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 20.602 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

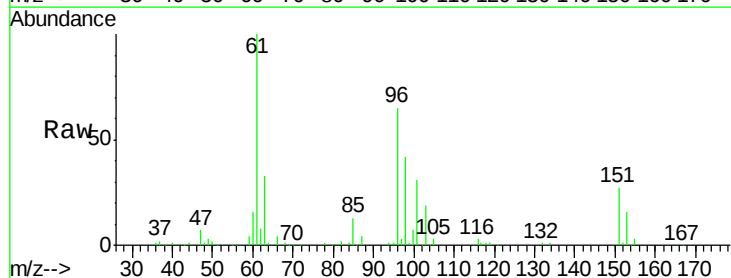
Tgt Ion: 96 Resp: 146777

Ion Ratio Lower Upper

96 100

61 153.8 122.9 184.3

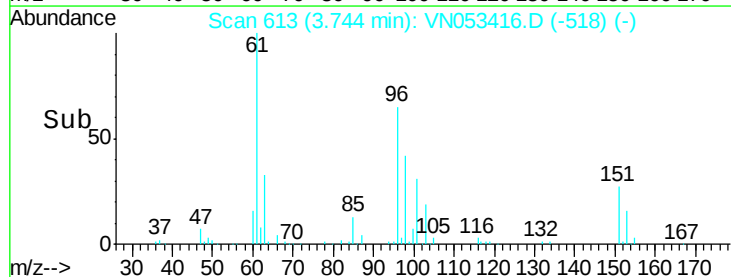
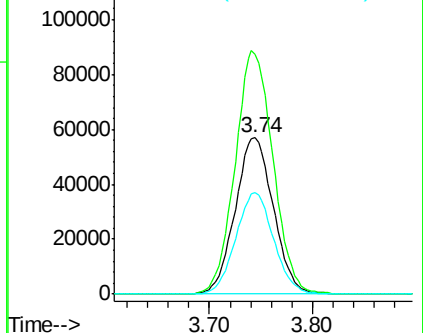
98 65.1 49.4 74.0

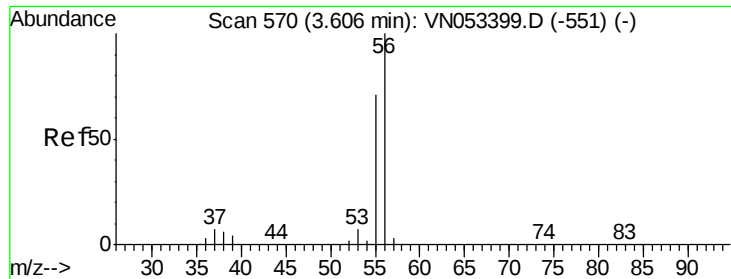


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 108.731 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

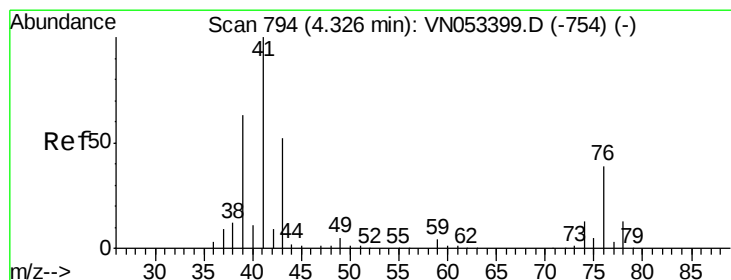
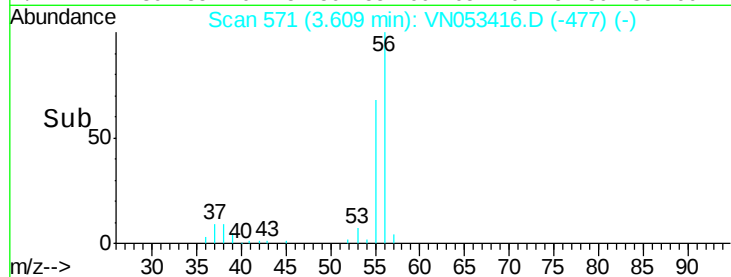
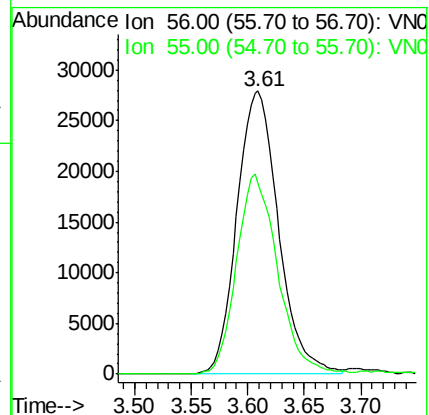
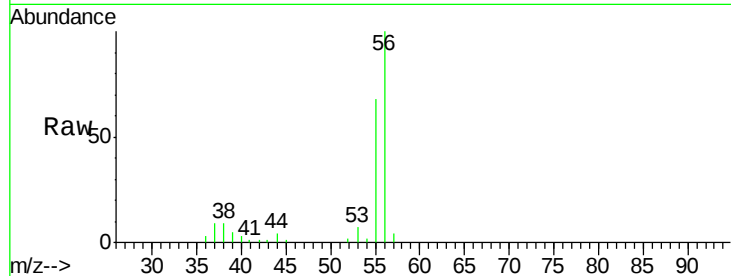
VN0116WBSD01

Tot Ion: 56 Resp: 71440

Ion Ratio Lower Upper

56 100

55 69.7 57.4 86.0



#14

Allyl chloride

Concen: 19.643 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

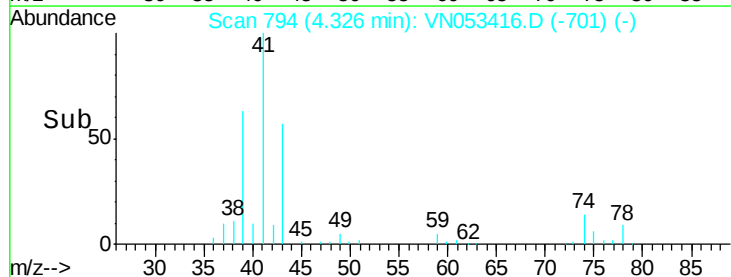
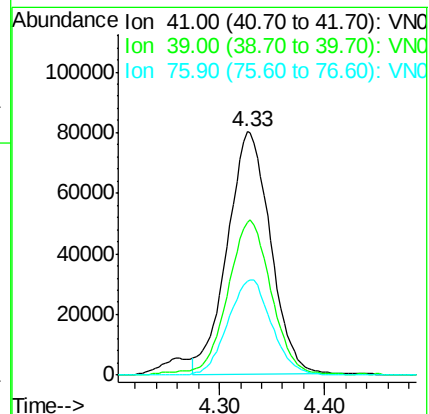
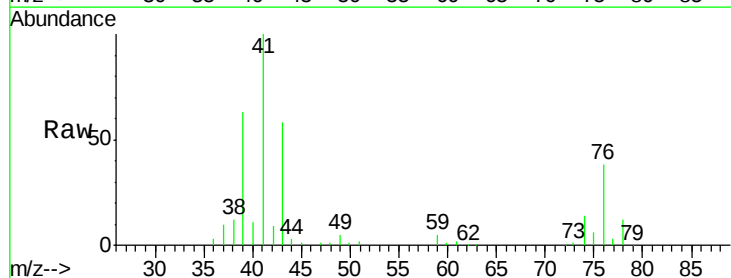
Tgt Ion: 41 Resp: 227312

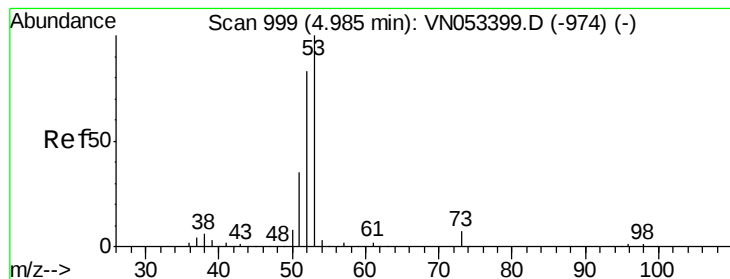
Ion Ratio Lower Upper

41 100

39 65.2 48.9 73.3

76 39.6 29.4 44.2





#15

Acrylonitrile

Concen: 113.302 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

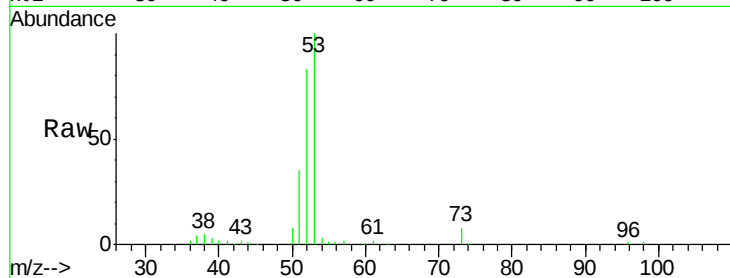
Tot Ion: 53 Resp: 288584

Ion Ratio Lower Upper

53 100

52 82.8 66.0 99.0

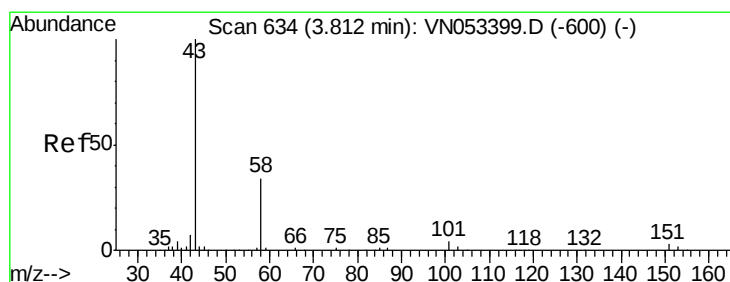
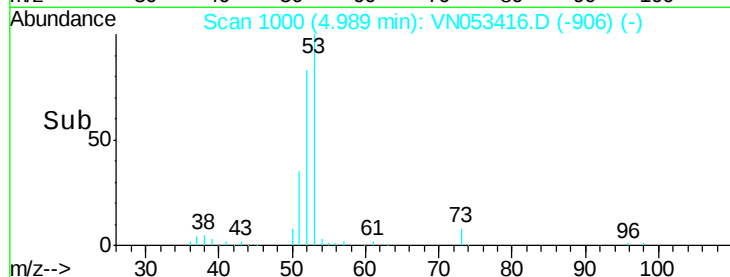
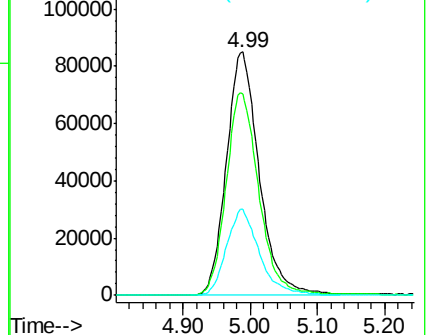
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 108.388 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053416.D

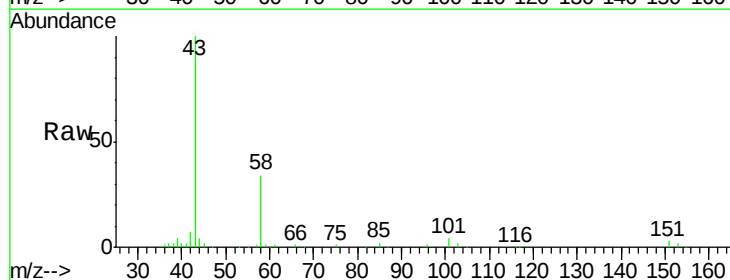
Acq: 16 Jan 2019 11:14

Tgt Ion: 43 Resp: 201134

Ion Ratio Lower Upper

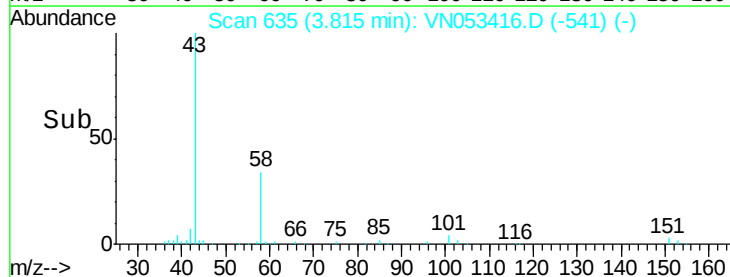
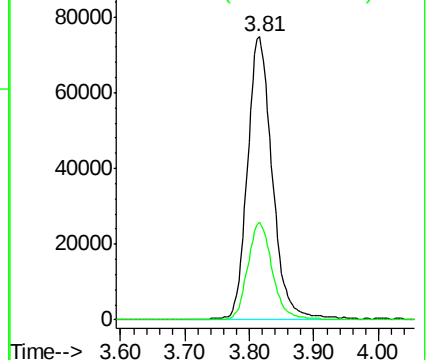
43 100

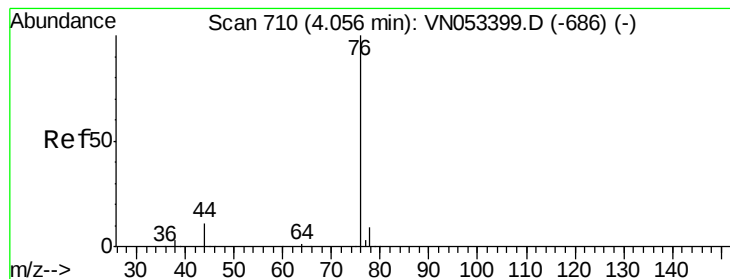
58 34.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 20.055 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

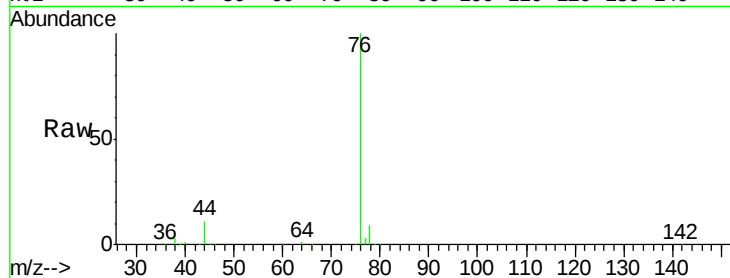
VN0116WBSD01

Tot Ion: 76 Resp: 432081

Ion Ratio Lower Upper

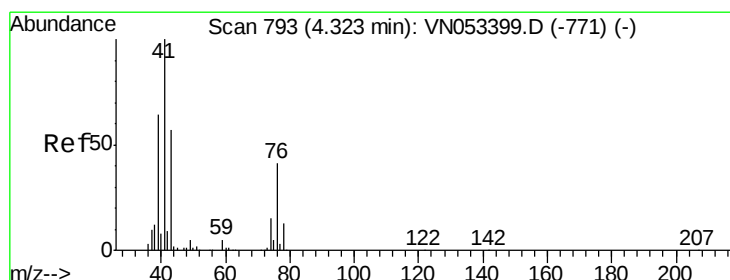
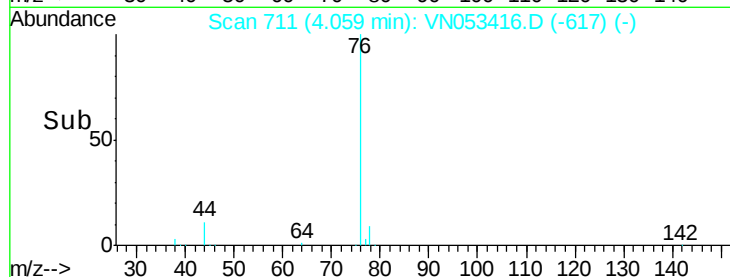
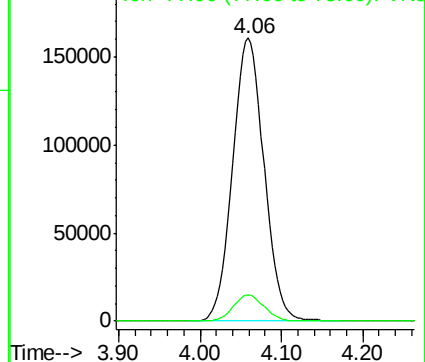
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.800 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053416.D

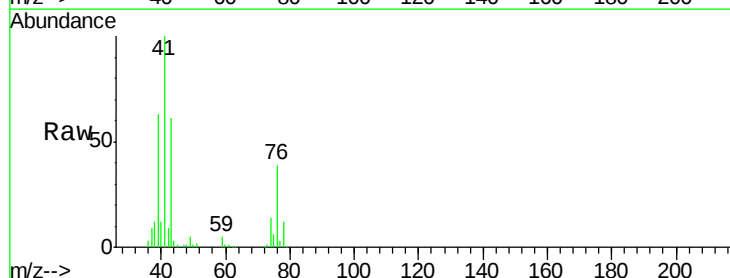
Acq: 16 Jan 2019 11:14

Tgt Ion: 43 Resp: 136298

Ion Ratio Lower Upper

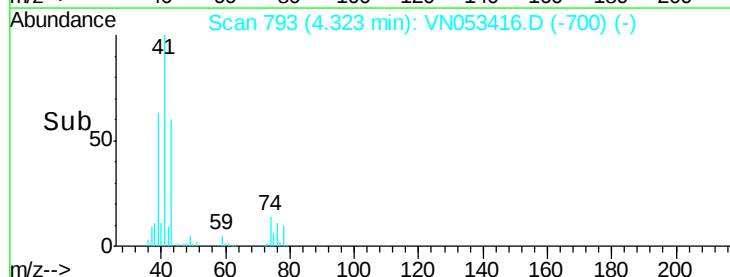
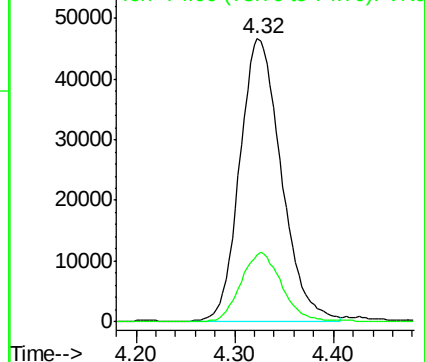
43 100

74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

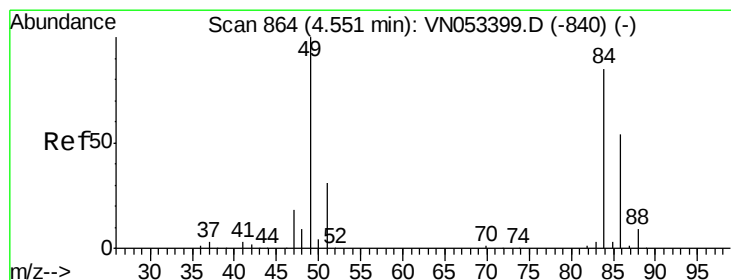
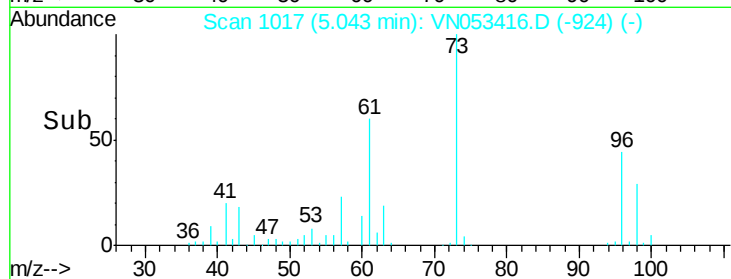
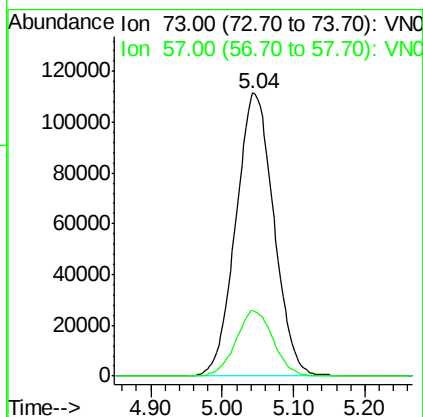
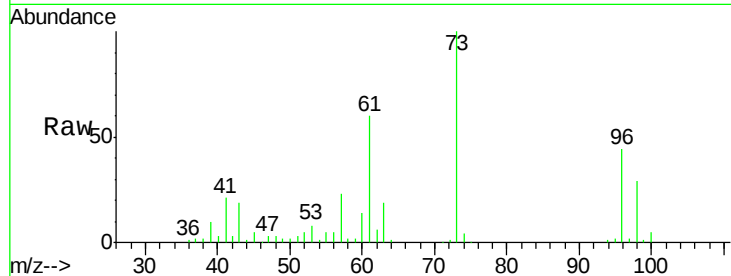




#19
Methvl tert-butvl Ether
Concen: 21.819 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

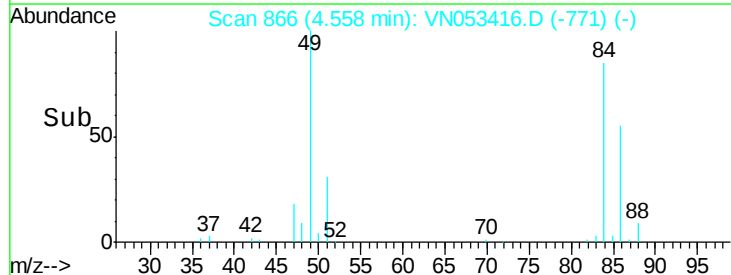
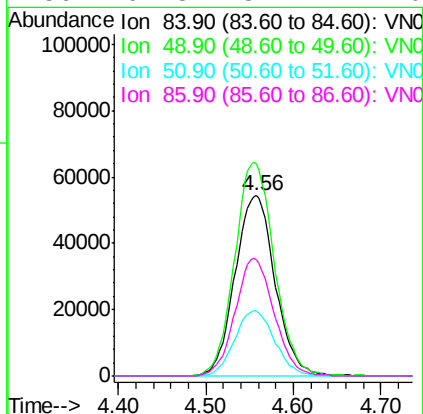
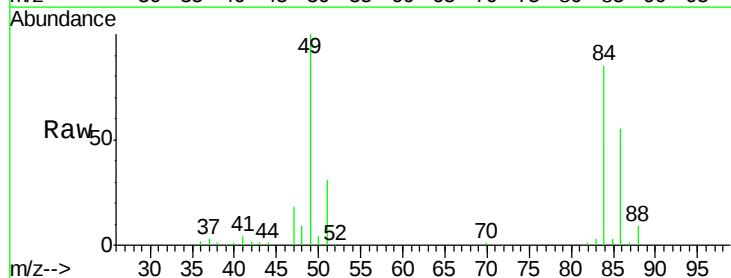
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

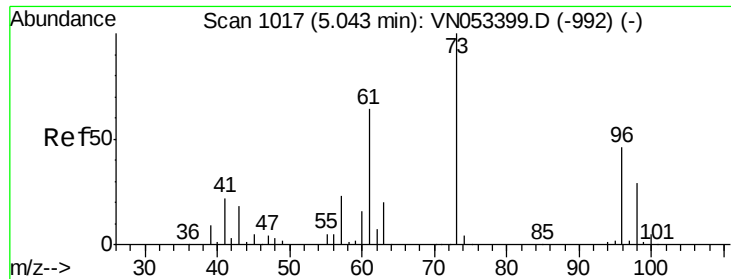
Tot Ion: 73 Resp: 413035
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 20.389 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 84 Resp: 172736
Ion Ratio Lower Upper
84 100
49 117.5 94.3 141.5
51 36.2 29.4 44.2
86 64.8 51.4 77.0

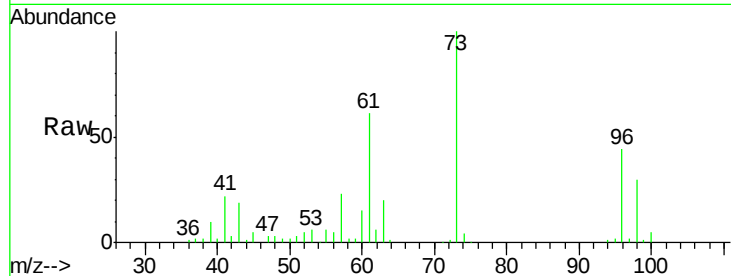




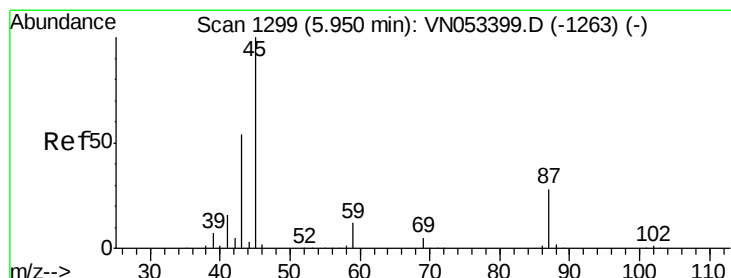
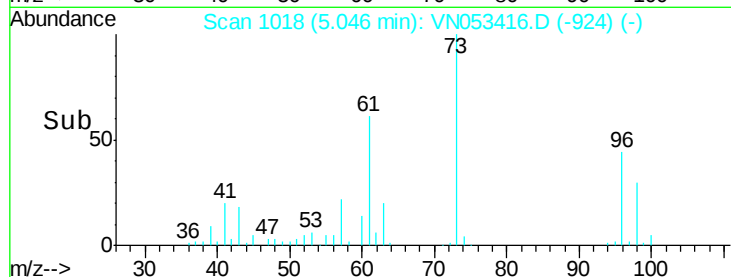
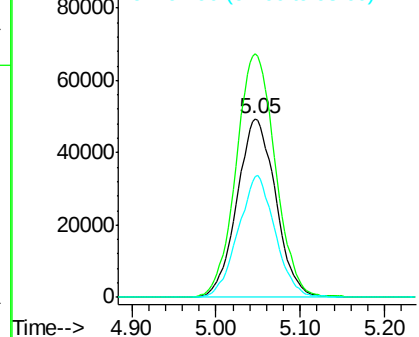
#21
trans-1,2-Dichloroethene
Concen: 20.710 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 96 Resp: 157745
Ion Ratio Lower Upper
96 100
61 136.4 110.1 165.1
98 67.6 50.0 75.0

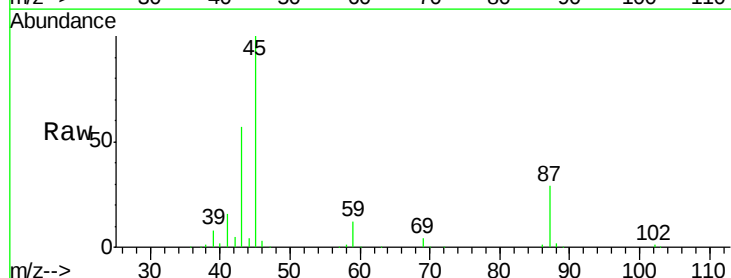


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

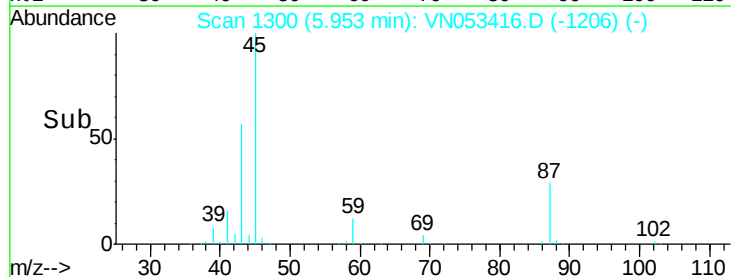
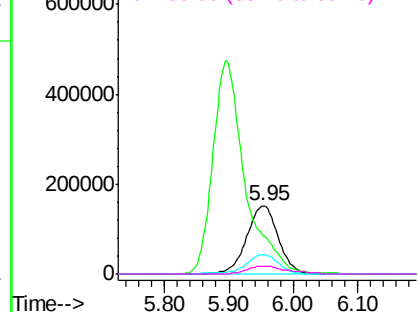


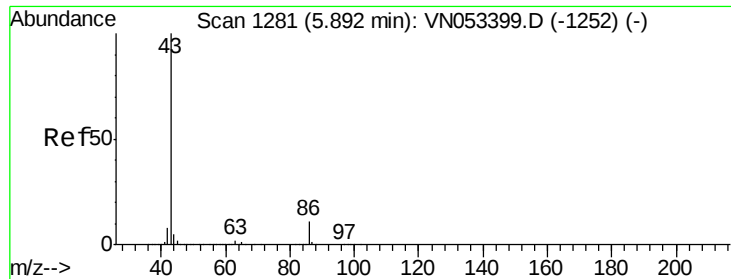
#22
Diisopropyl ether
Concen: 21.337 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 45 Resp: 515472
Ion Ratio Lower Upper
45 100
43 56.4 44.2 66.4
87 28.5 22.7 34.1
59 11.9 9.4 14.2



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

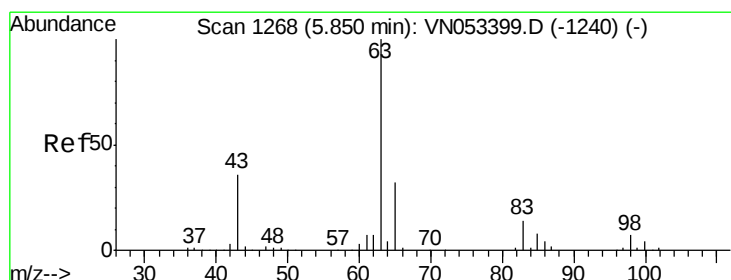
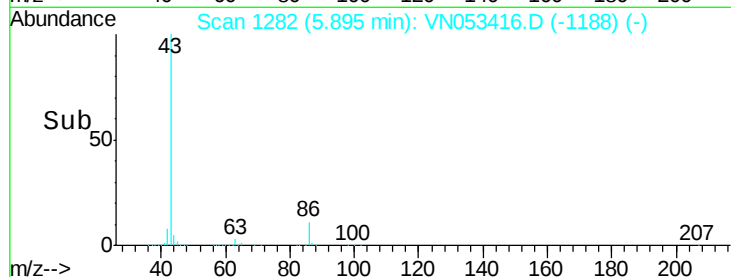
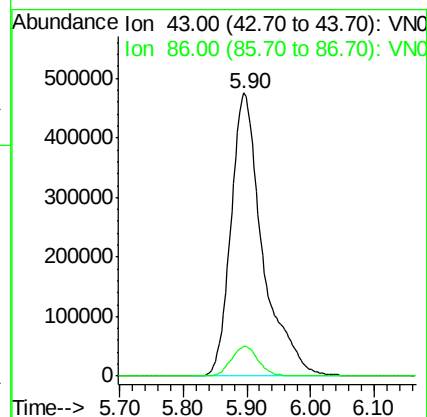
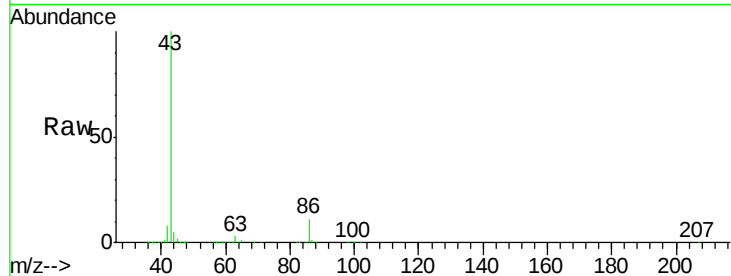




#23
 Vinyl Acetate
 Concen: 110.600 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

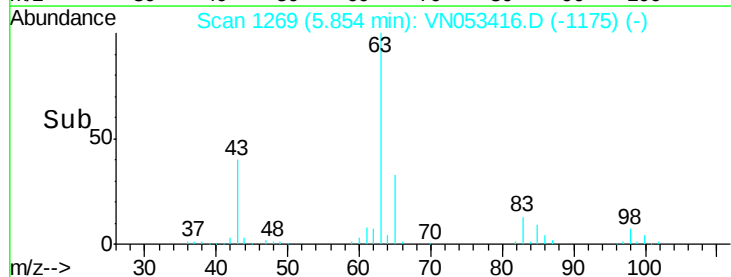
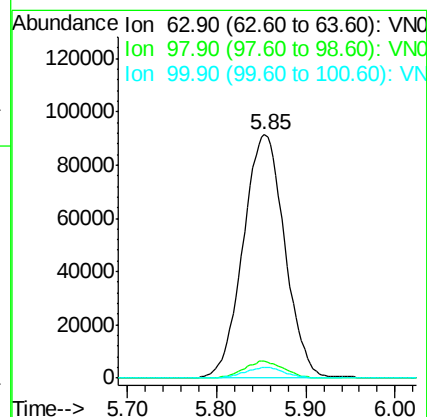
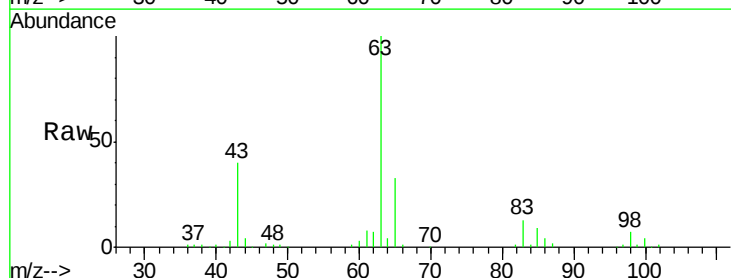
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0116WBSD01

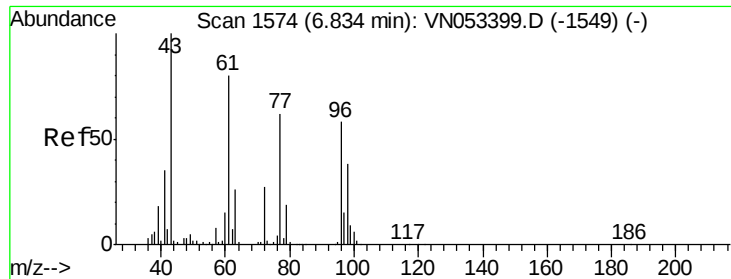
Tot Ion: 43 Resp: 1642469
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.786 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 63 Resp: 296854
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.4 2.1 6.5

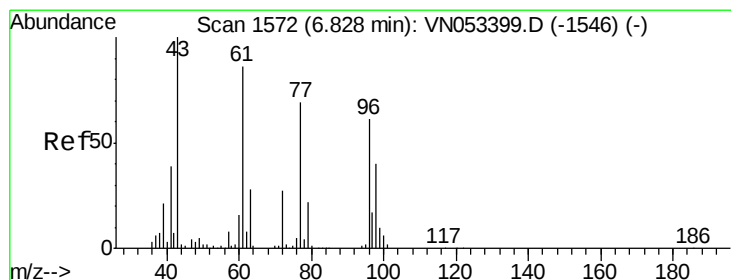
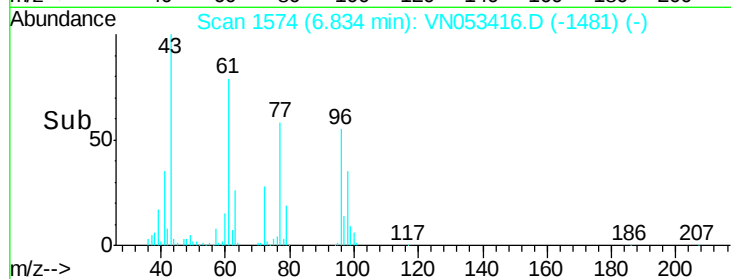
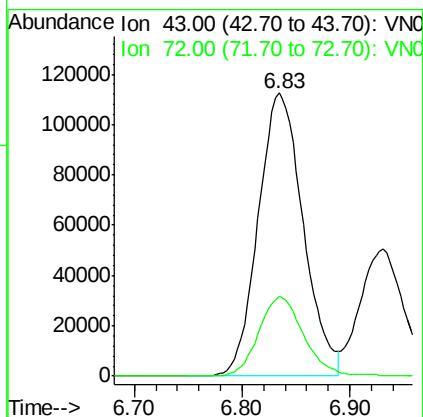
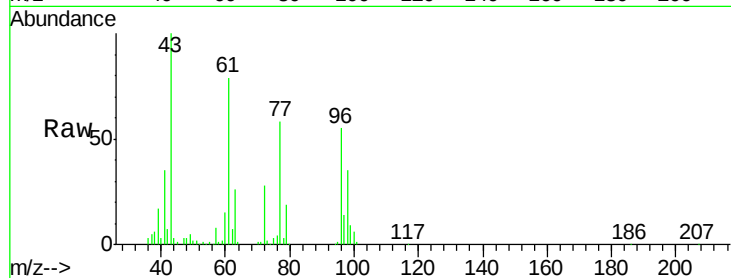




#25
 2-Butanone
 Concen: 113.608 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

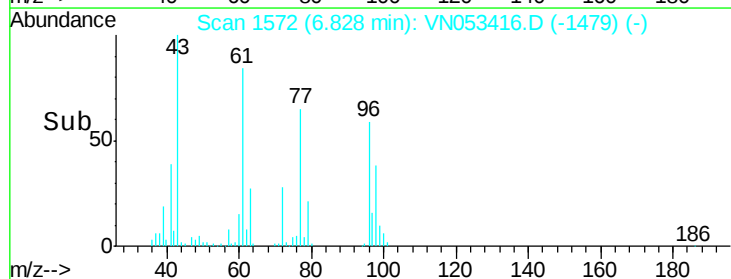
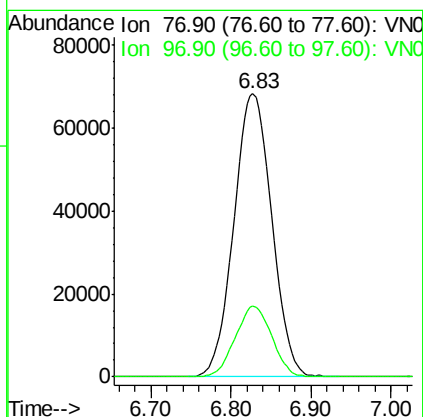
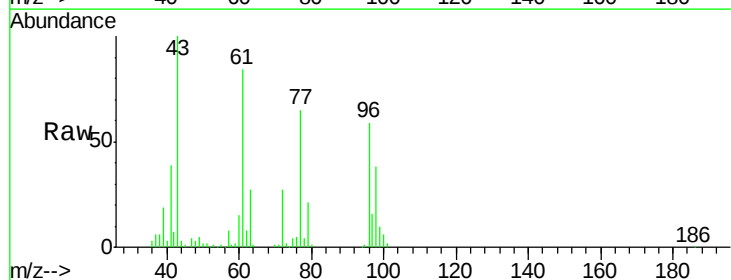
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

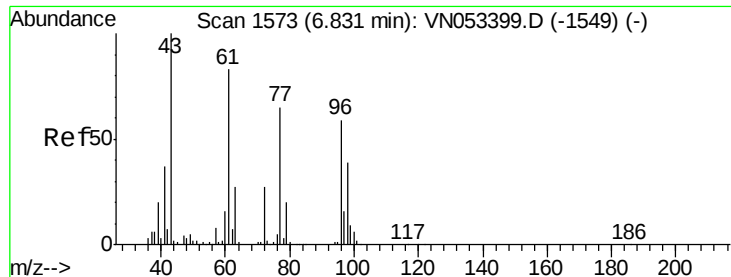
Tot Ion: 43 Resp: 324878
 Ion Ratio Lower Upper
 43 100
 72 28.0 22.0 33.0



#26
 2,2-Dichloropropane
 Concen: 20.355 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 77 Resp: 219482
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.168 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

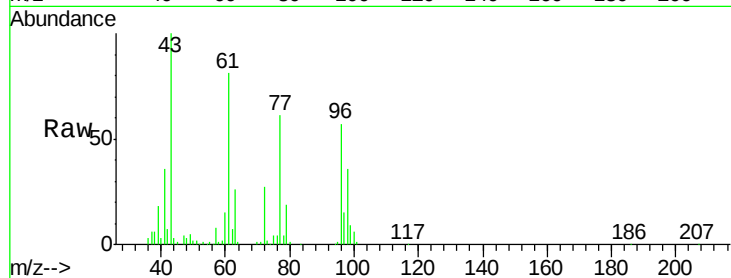
Tot Ion: 96 Resp: 184370

Ion Ratio Lower Upper

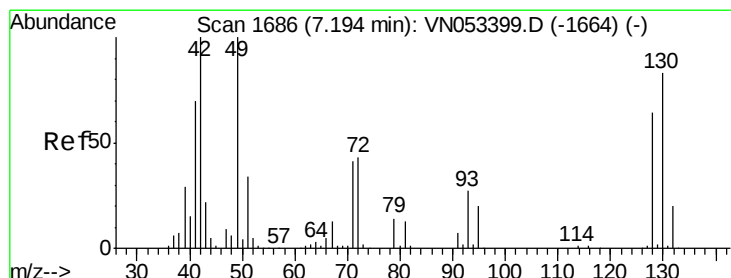
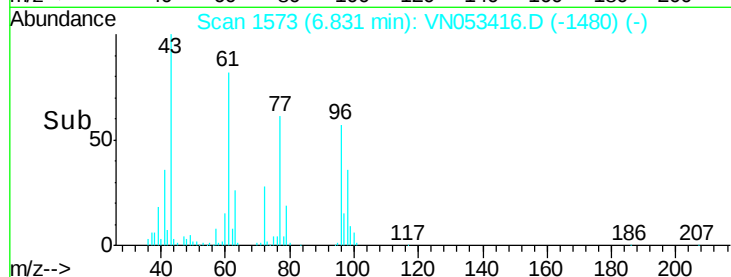
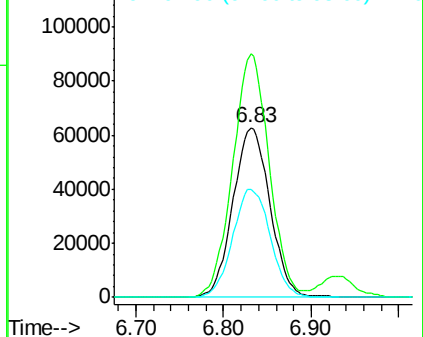
96 100

61 141.3 0.0 283.8

98 64.7 0.0 129.2



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



#28

Bromochloromethane

Concen: 21.233 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

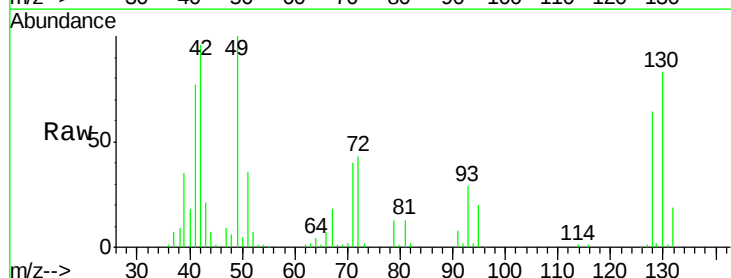
Tgt Ion: 49 Resp: 133593

Ion Ratio Lower Upper

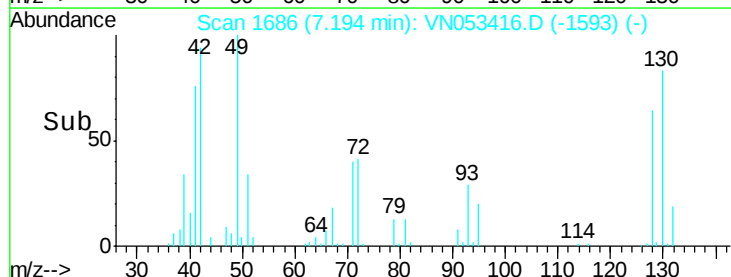
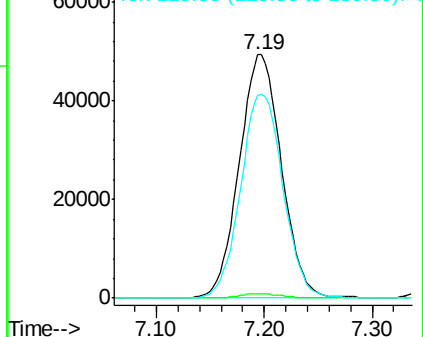
49 100

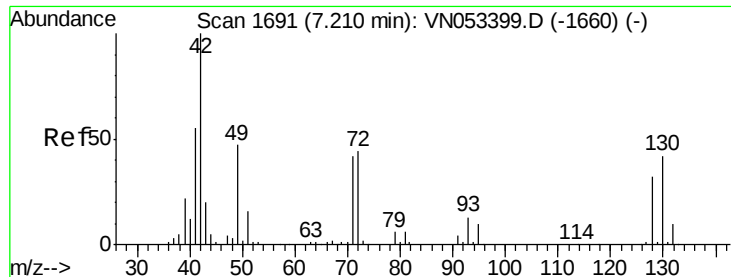
129 0.8 0.0 4.0

130 84.3 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

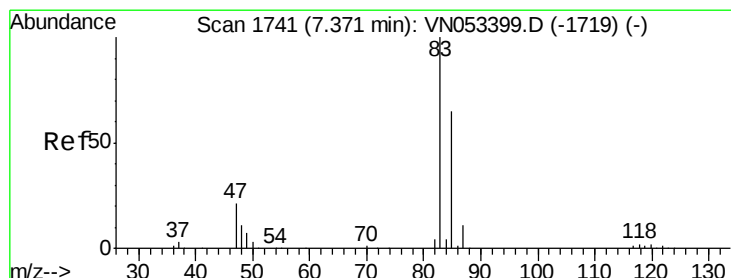
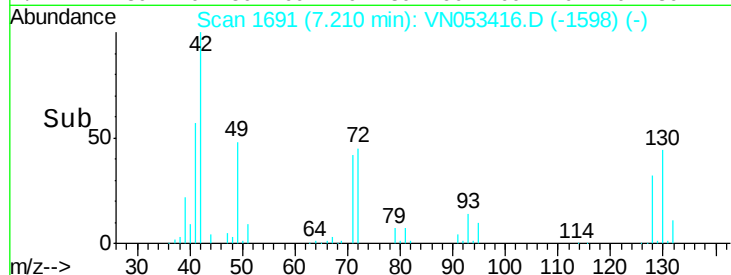
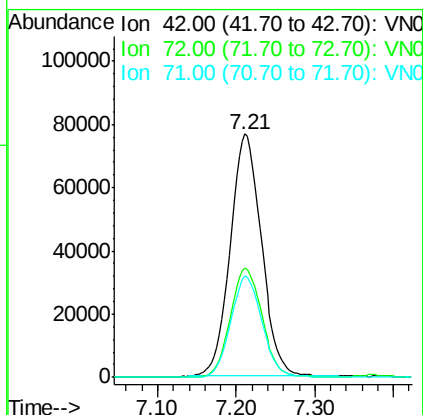
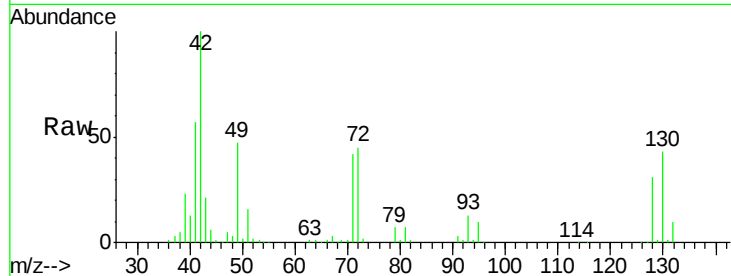




#29
Tetrahydrofuran
Concen: 113.718 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

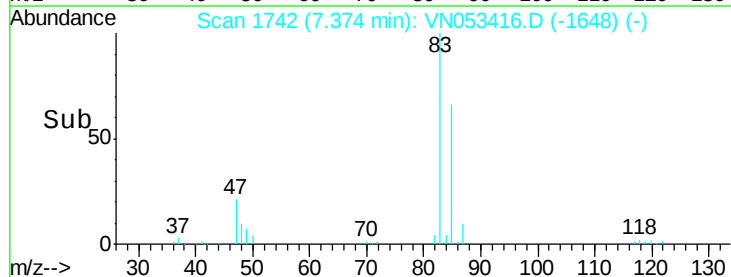
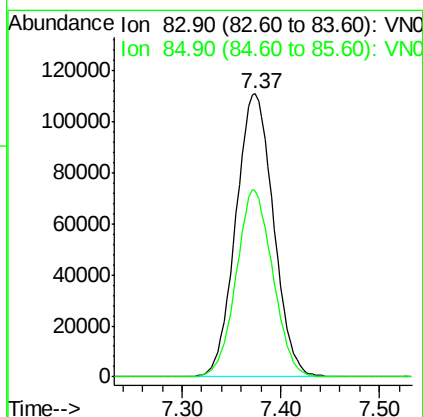
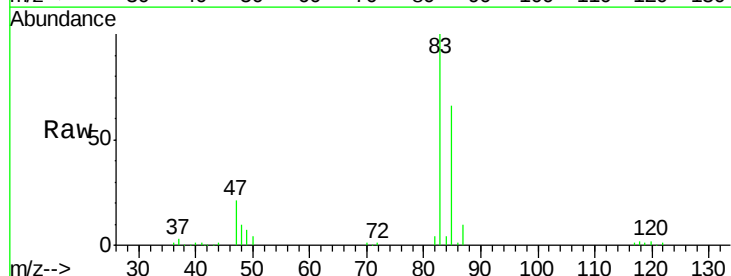
Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

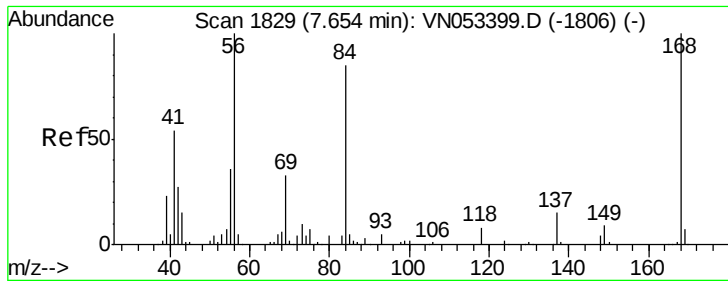
Tot Ion: 42 Resp: 211701
Ion Ratio Lower Upper
42 100
72 45.8 35.2 52.8
71 42.0 33.0 49.4



#30
Chloroform
Concen: 21.087 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 83 Resp: 293416
Ion Ratio Lower Upper
83 100
85 65.8 52.2 78.2

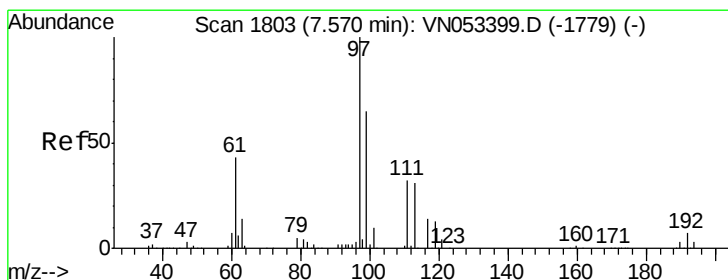
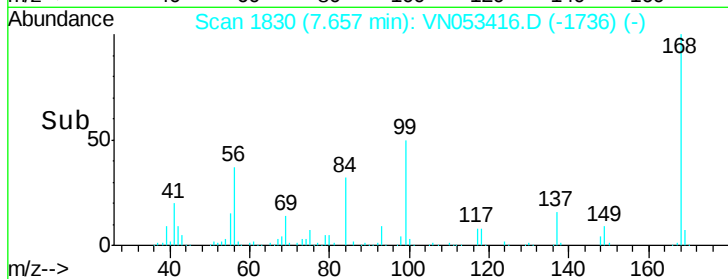
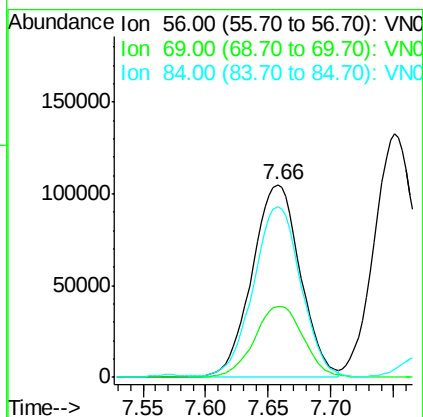
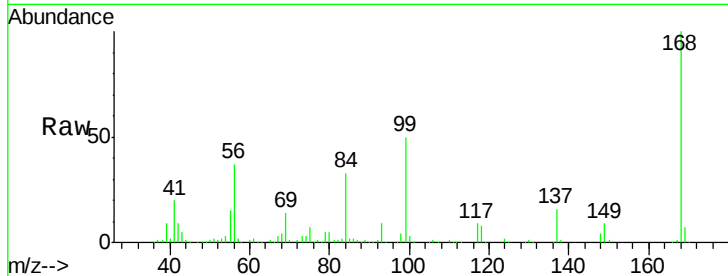




#31
Cyclohexane
Concen: 20.093 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

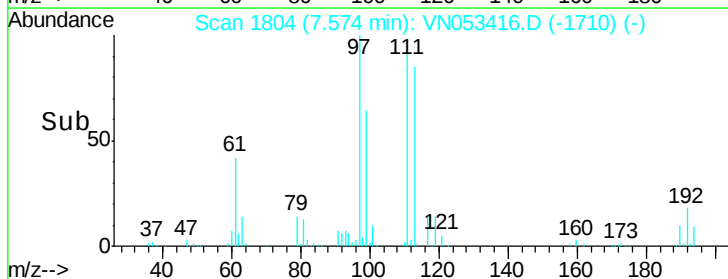
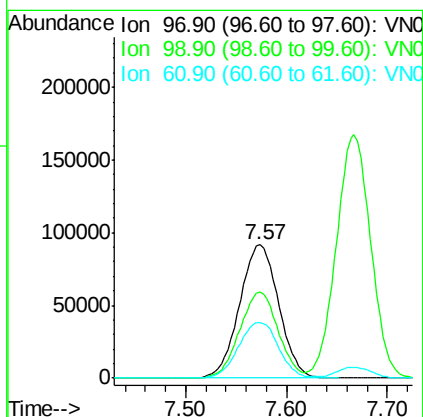
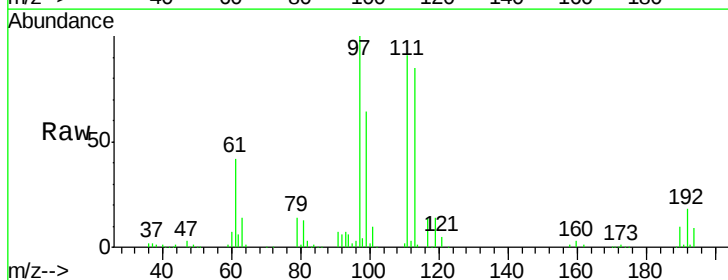
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

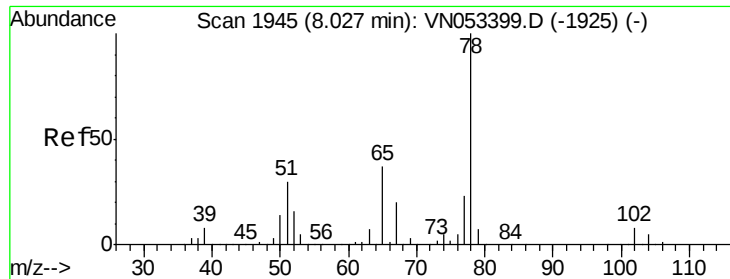
Tot Ion: 56 Resp: 281120
Ion Ratio Lower Upper
56 100
69 36.9 26.4 39.6
84 87.2 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 20.903 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 97 Resp: 246738
Ion Ratio Lower Upper
97 100
99 63.6 52.0 78.0
61 42.7 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 20.903 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

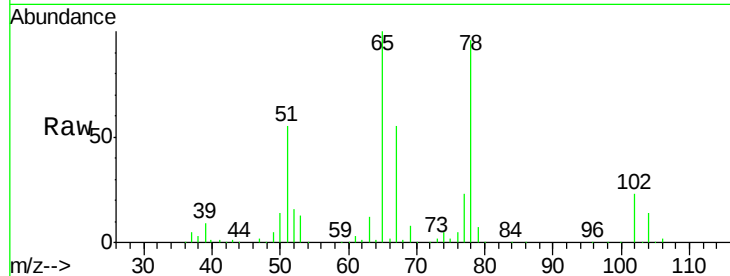
VN0116WBSD01

Tot Ion: 65 Resp: 416415

Ion Ratio Lower Upper

65 100

67 55.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.03

200000

150000

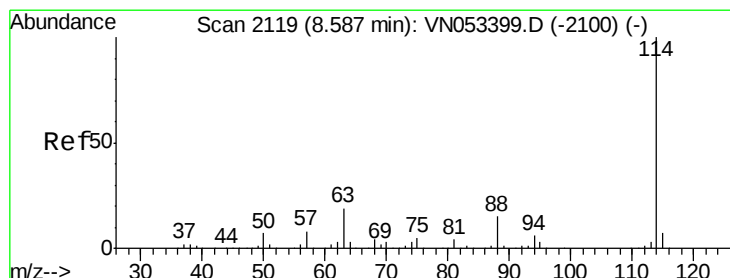
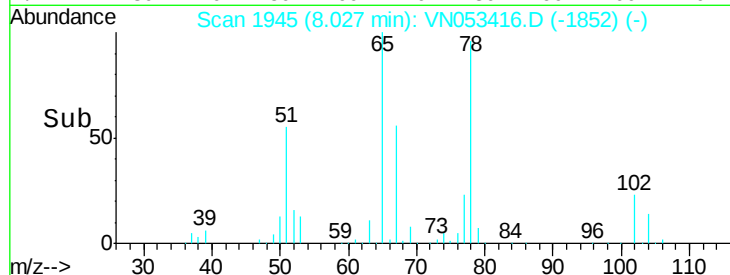
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

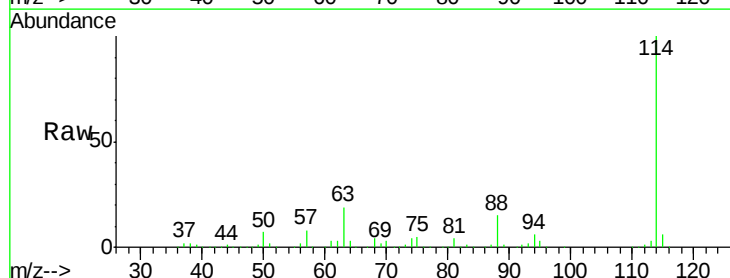
Tgt Ion: 114 Resp: 1221354

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.59

800000

600000

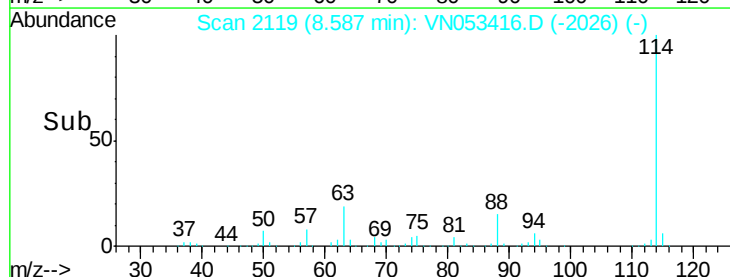
400000

200000

0

8.50 8.60 8.70

Time-->

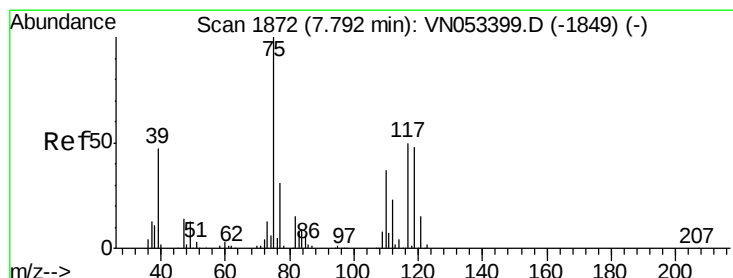
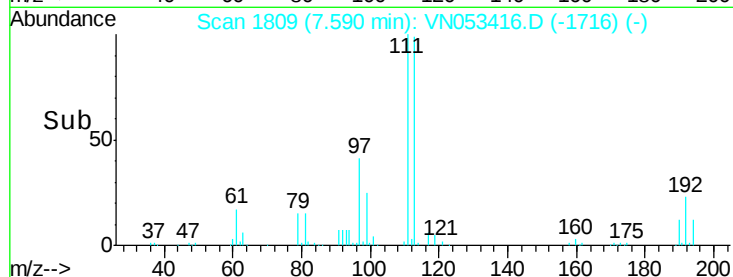
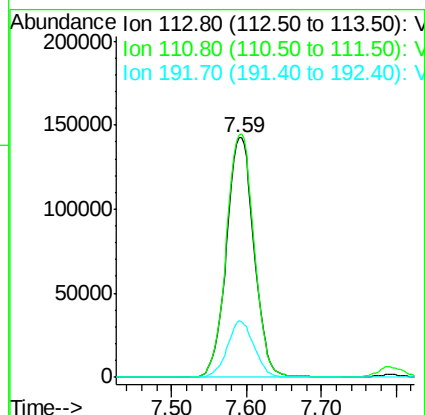
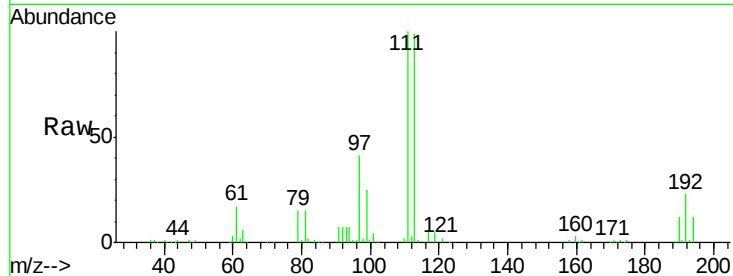




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

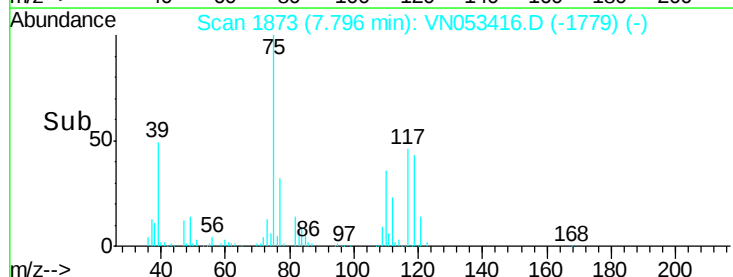
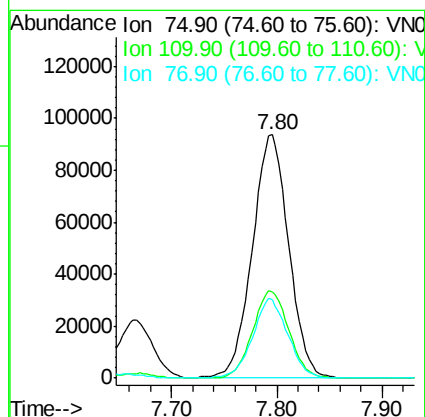
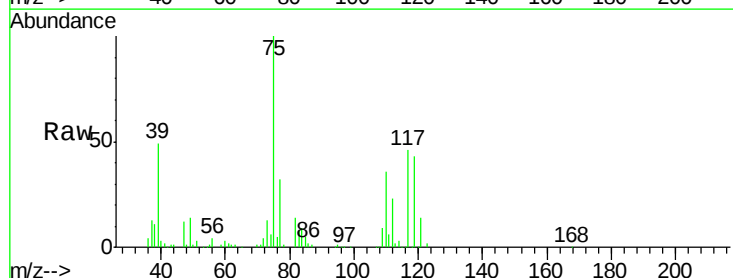
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

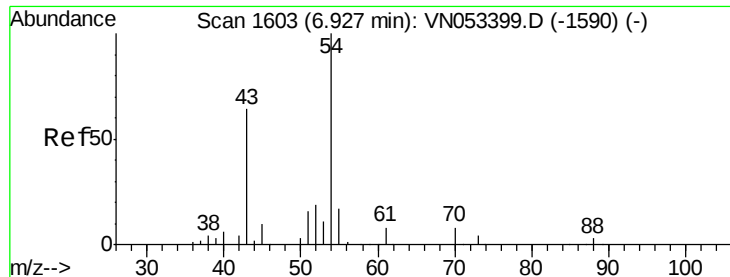
Tot Ion:113 Resp: 364087
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 22.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 20.076 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 75 Resp: 223303
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.3
 77 31.8 25.1 37.7

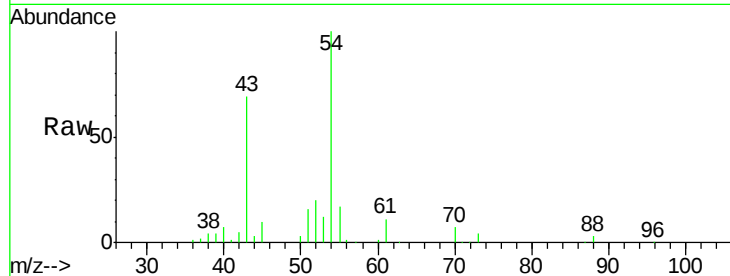




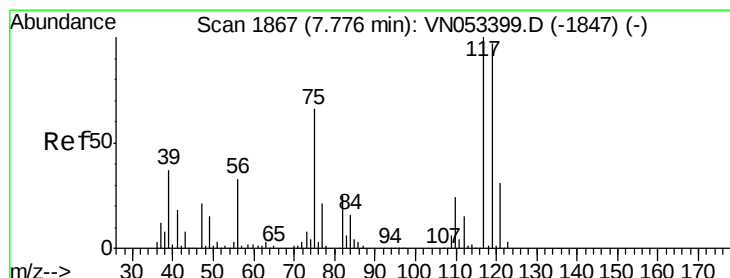
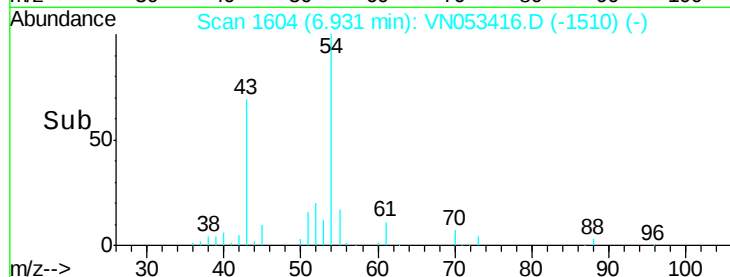
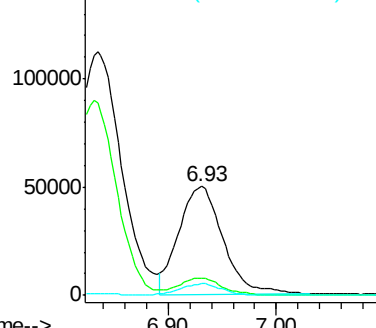
#37
Ethyl Acetate
Concen: 22.156 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 43 Resp: 141786
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.3 8.6 12.8

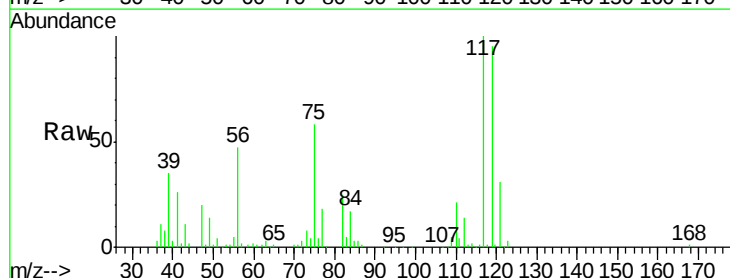


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

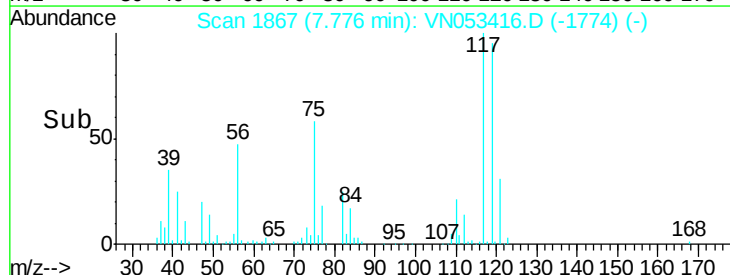
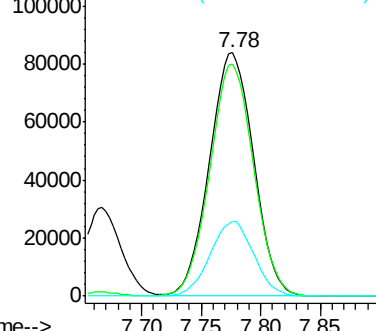


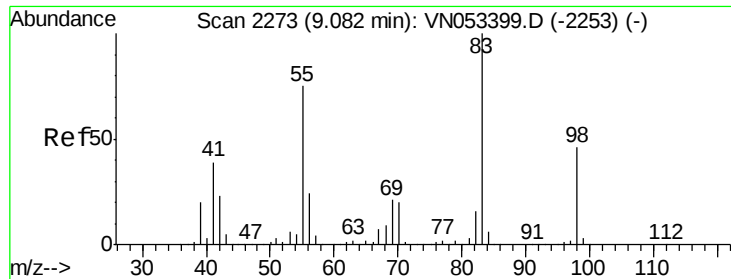
#38
Carbon Tetrachloride
Concen: 20.403 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 117 Resp: 214856
Ion Ratio Lower Upper
117 100
119 95.0 77.2 115.8
121 30.6 24.6 37.0



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

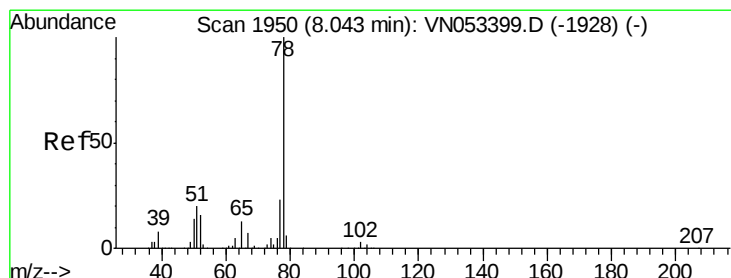
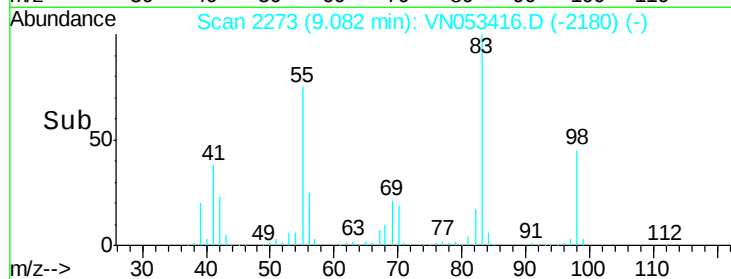
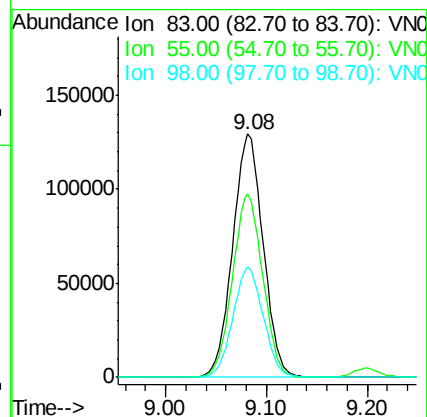
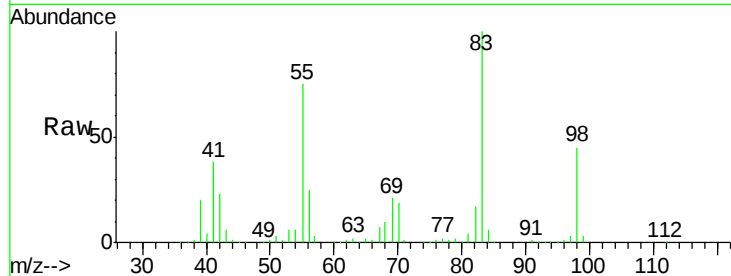




#39
Methvlcvclohexane
Concen: 19.787 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

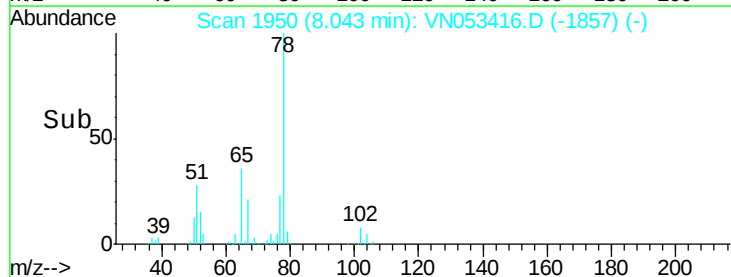
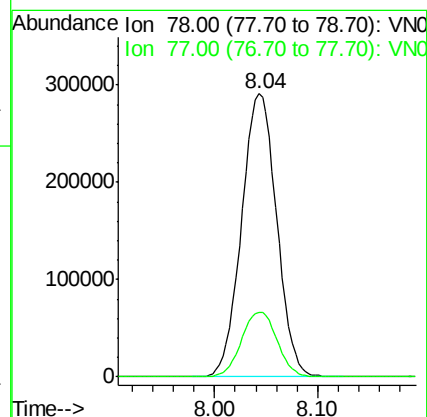
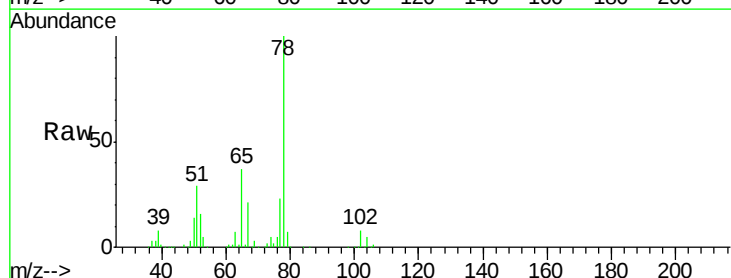
Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

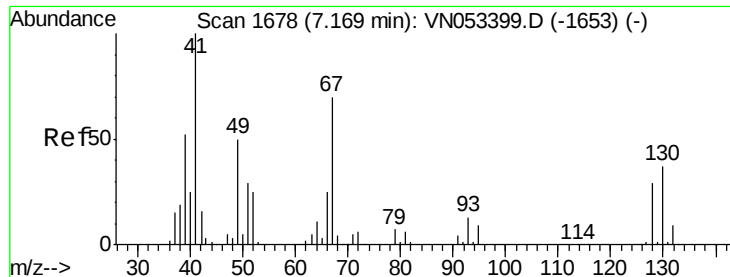
Tot Ion: 83 Resp: 272033
Ion Ratio Lower Upper
83 100
55 75.3 60.1 90.1
98 45.1 36.6 55.0



#40
Benzene
Concen: 20.392 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 78 Resp: 689255
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2

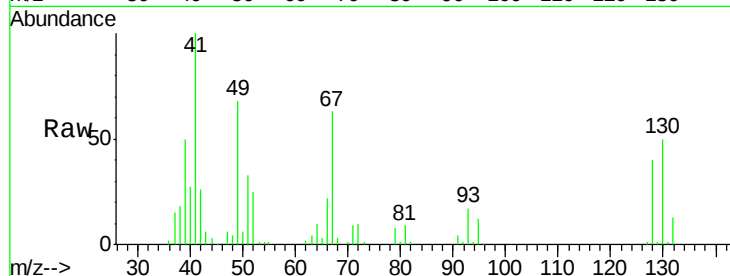




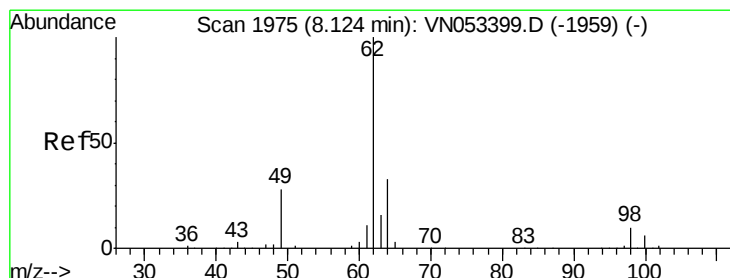
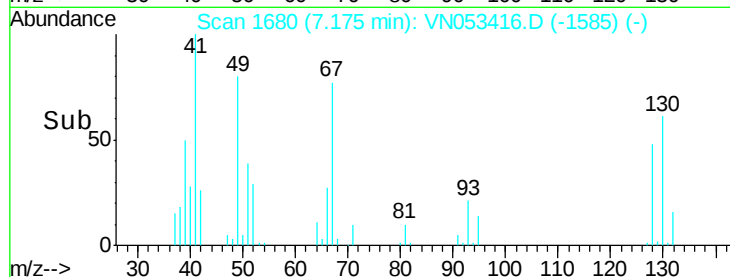
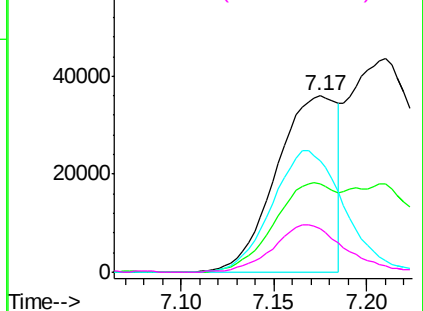
#41
Methacrylonitrile
Concen: 21.990 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 41 Resp: 82178
Ion Ratio Lower Upper
41 100
39 50.9 46.8 70.2
67 82.1 63.0 94.6
52 32.1 23.8 35.8

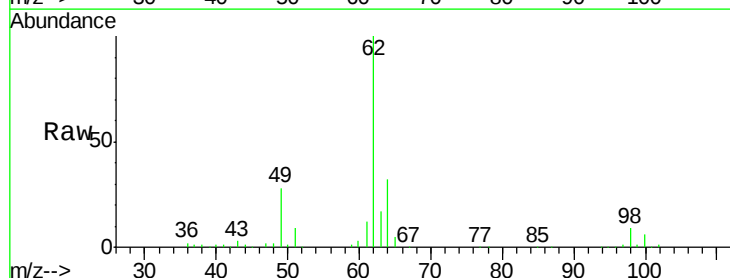


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

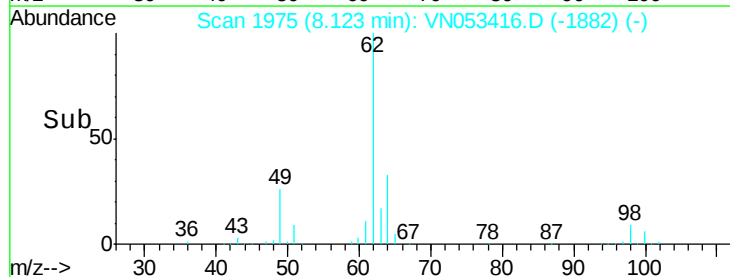
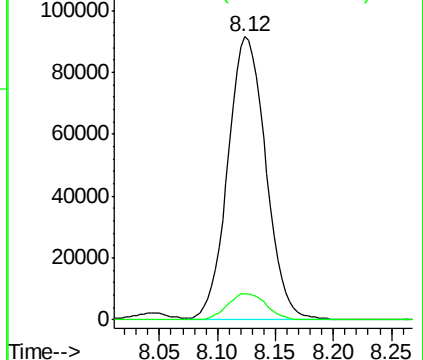


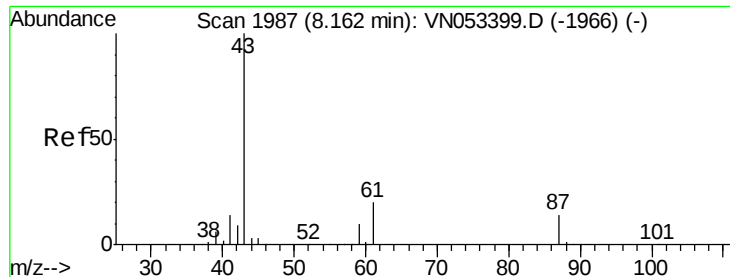
#42
1,2-Dichloroethane
Concen: 21.086 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 62 Resp: 207634
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.6



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



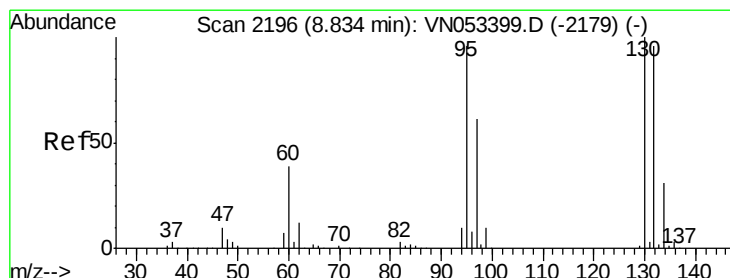
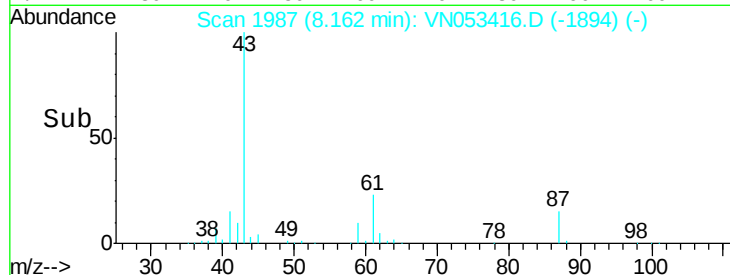
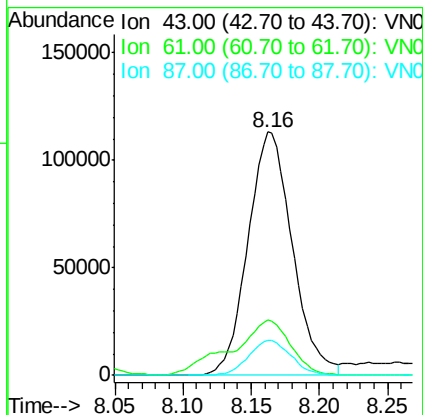
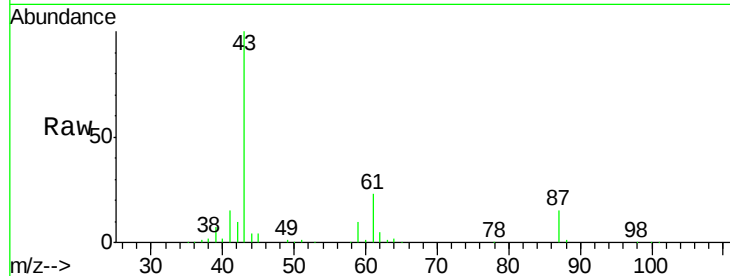


#43

Isopropyl Acetate
 Concen: 22.083 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0116WBSD01

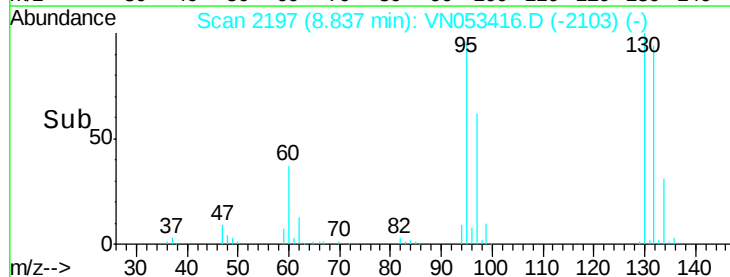
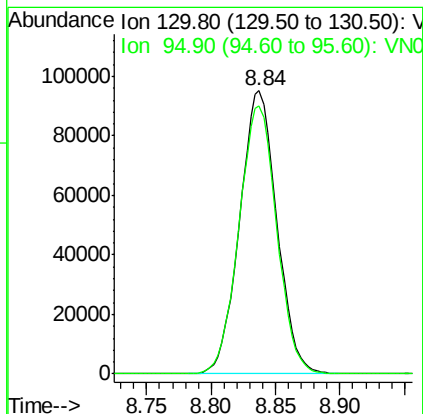
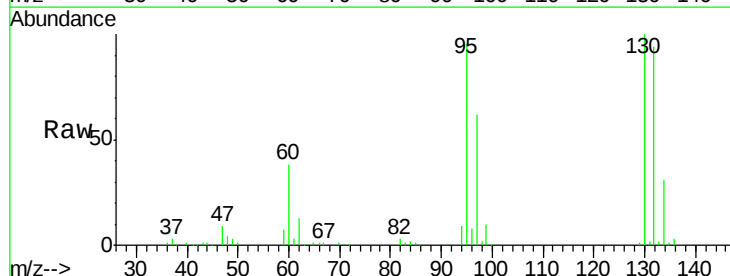
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.9	35.9
87	13.8	11.0	16.6

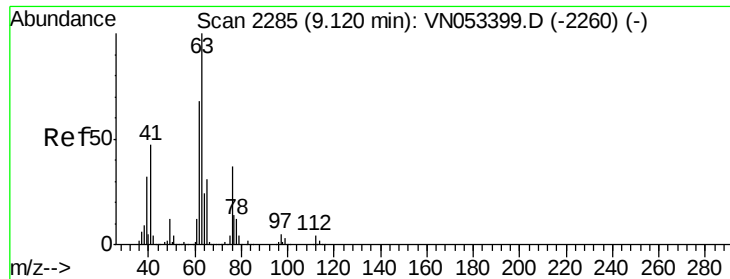


#44

Trichloroethene
 Concen: 20.396 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.4





#45

1,2-Dichloropropane

Concen: 20.533 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

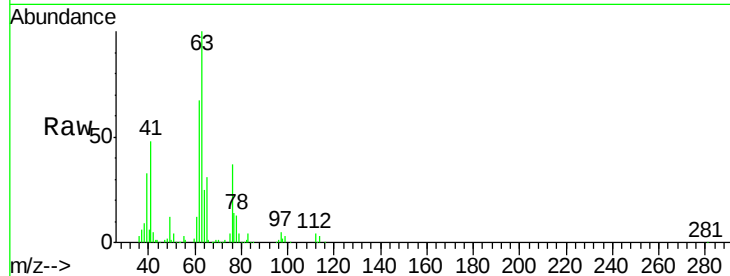
VN0116WBSD01

Tot Ion: 63 Resp: 183828

Ion Ratio Lower Upper

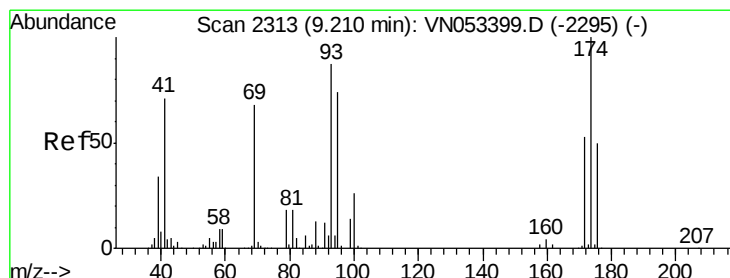
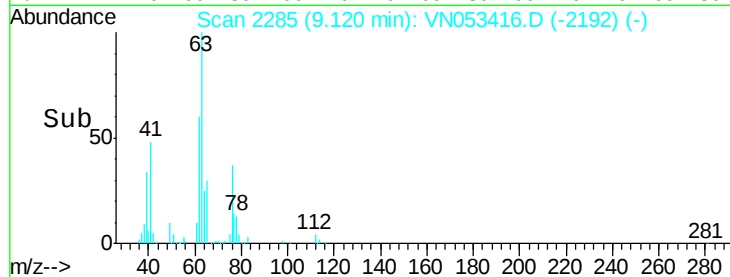
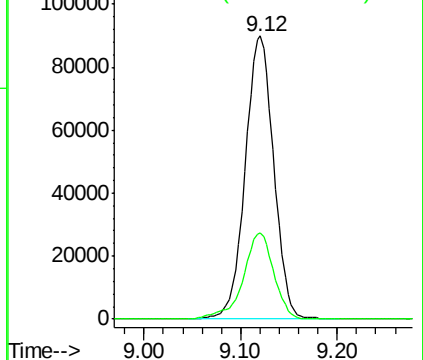
63 100

65 30.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.100 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

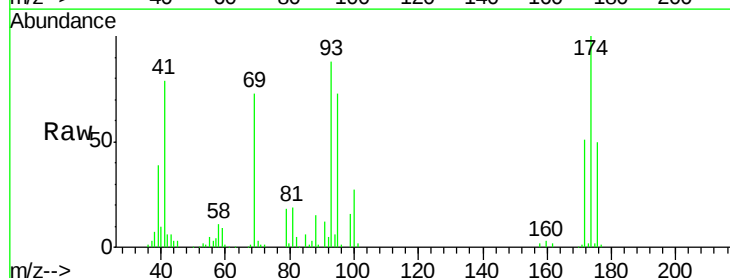
Tgt Ion: 93 Resp: 108532

Ion Ratio Lower Upper

93 100

95 83.4 67.3 100.9

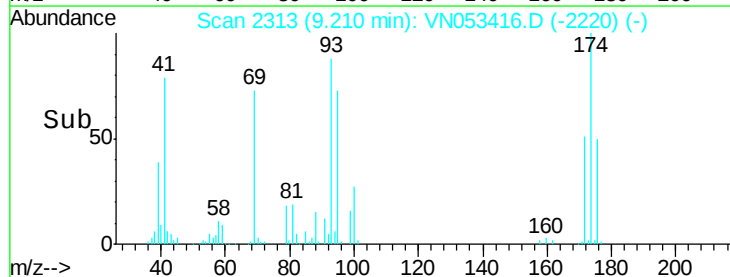
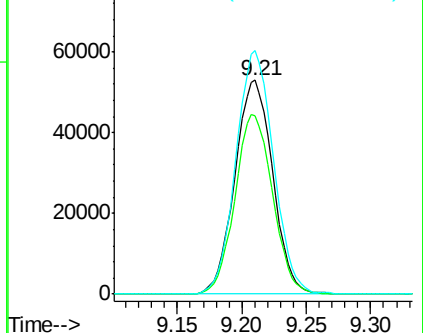
174 112.9 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.422 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

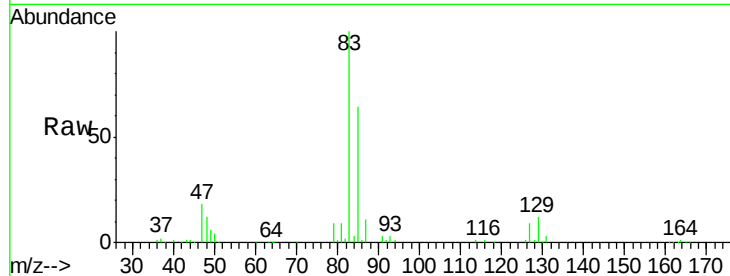
Tot Ion: 83 Resp: 220912

Ion Ratio Lower Upper

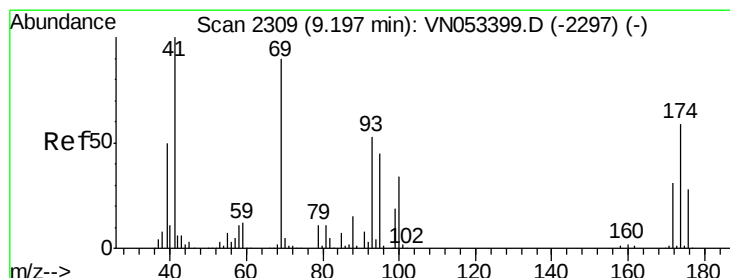
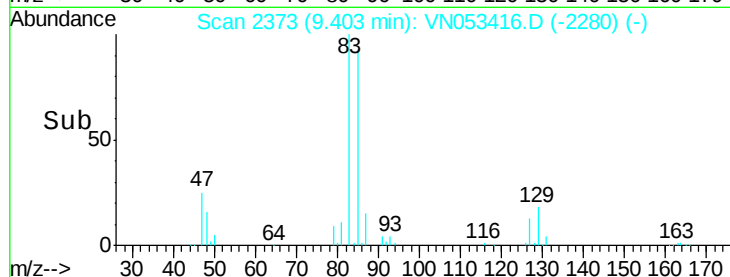
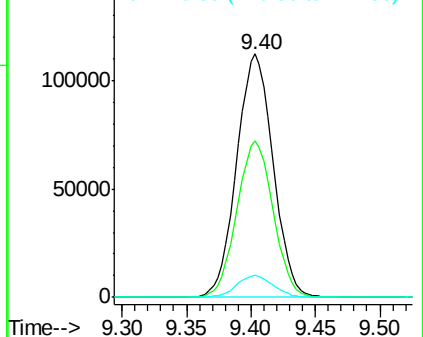
83 100

85 64.4 51.0 76.6

127 9.0 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: 21.516 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

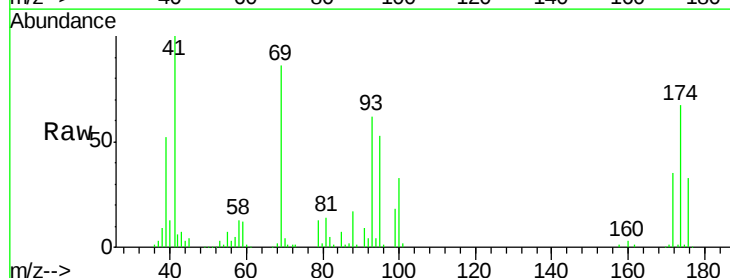
Tgt Ion: 41 Resp: 127831

Ion Ratio Lower Upper

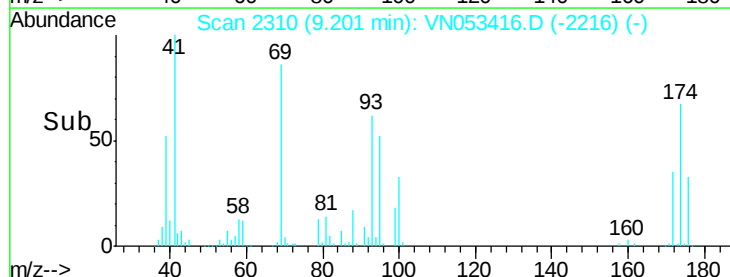
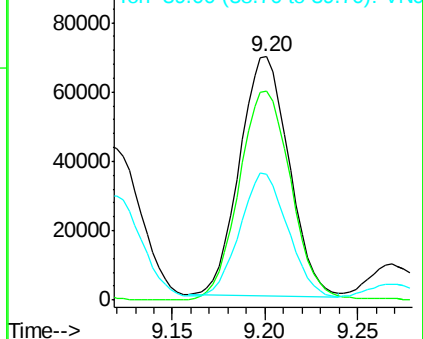
41 100

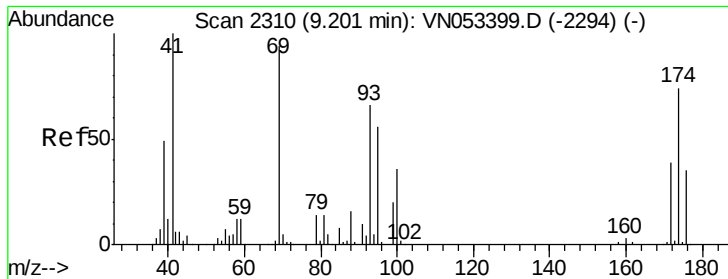
69 92.5 73.8 110.6

39 52.8 40.0 60.0



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: 456.657 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

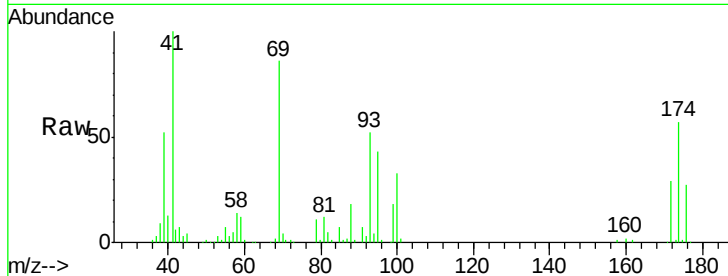
MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 88 Resp: 26497

Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.8	41.6
58	73.8	56.5	84.7

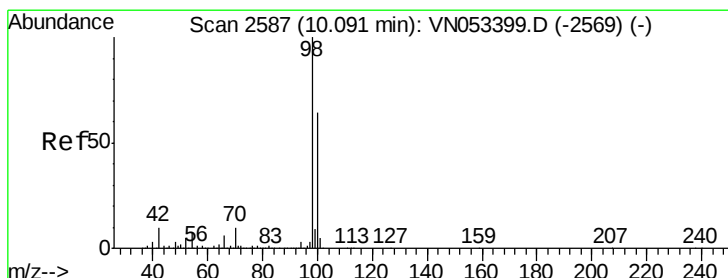
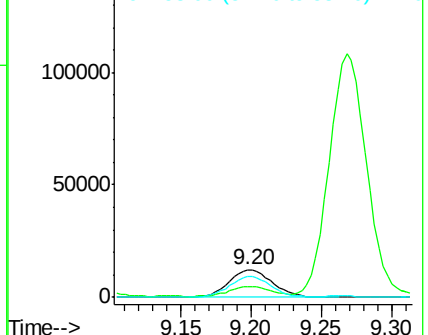
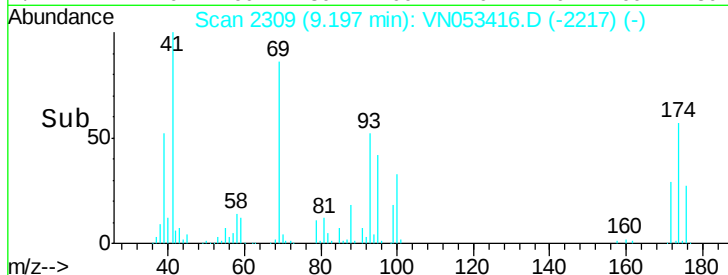


Abundance

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: 456.657 ug/l

RT: 10.09 min Scan# 2587

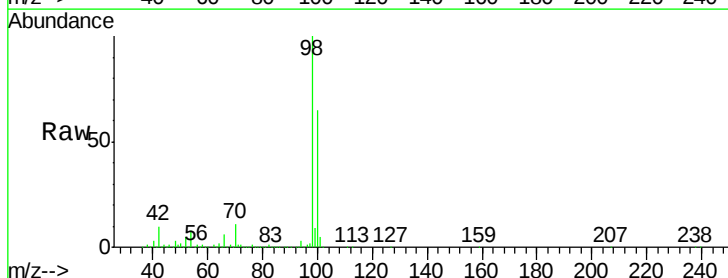
Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion: 98 Resp: 1501650

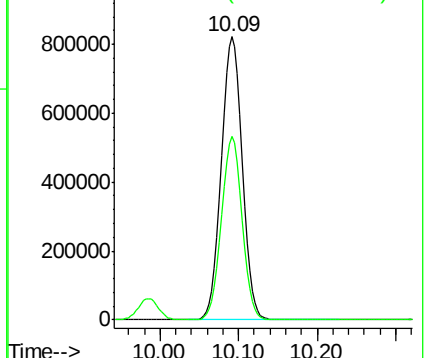
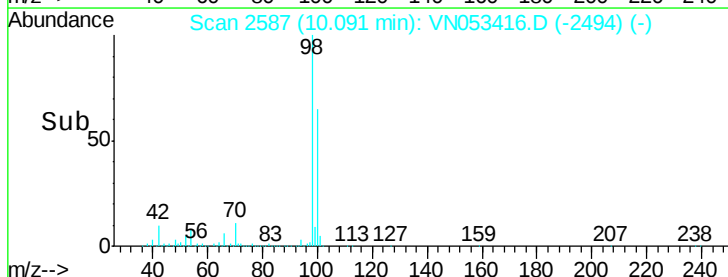
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

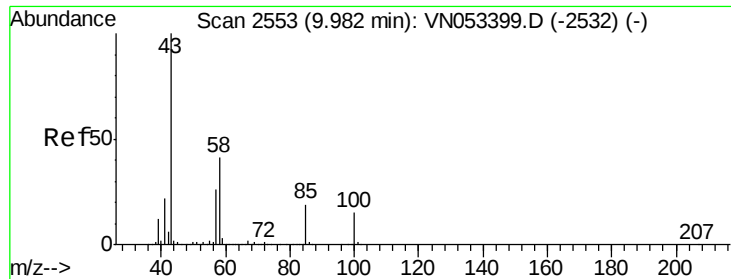


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

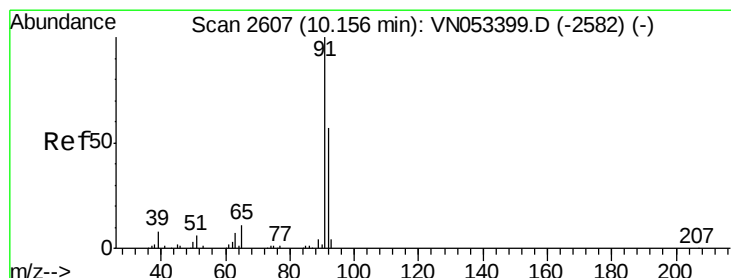
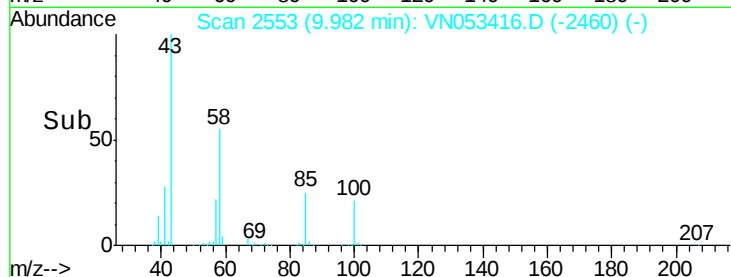
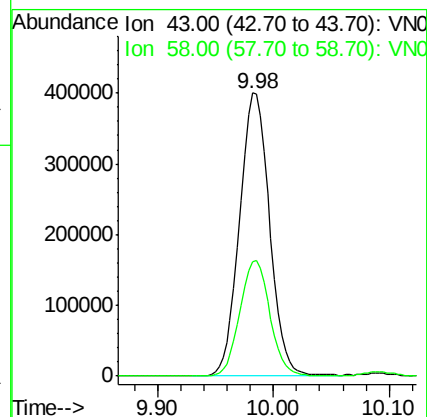
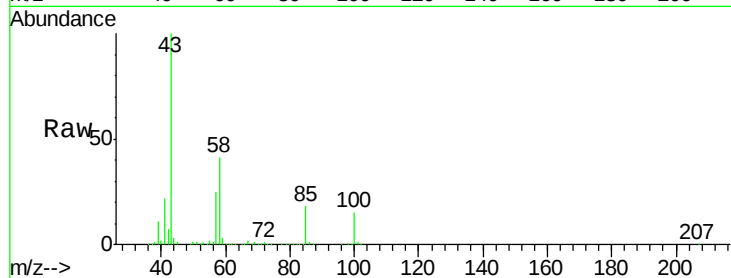




#51
4-Methyl-2-Pentanone
Concen: 114.554 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

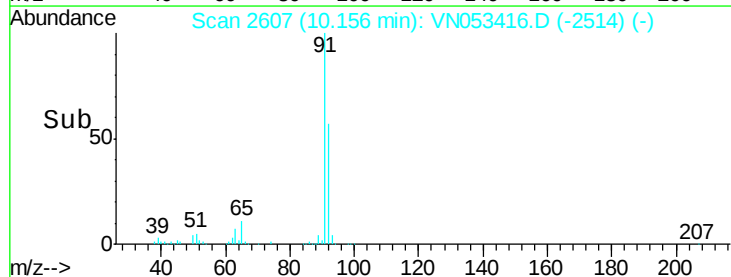
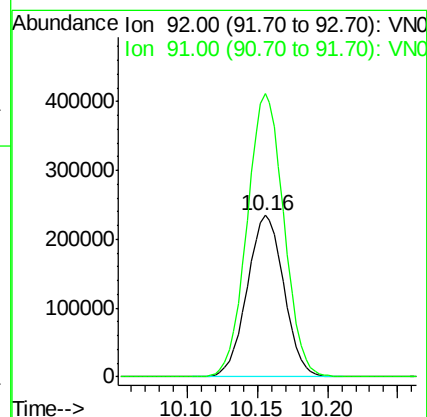
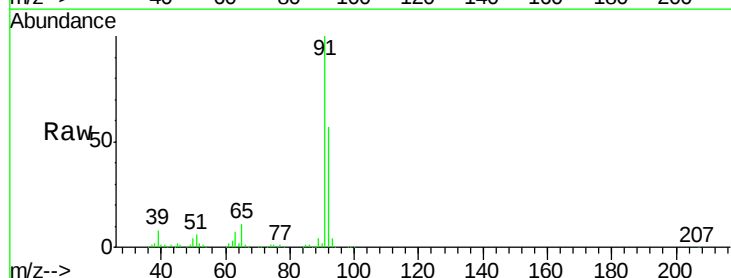
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

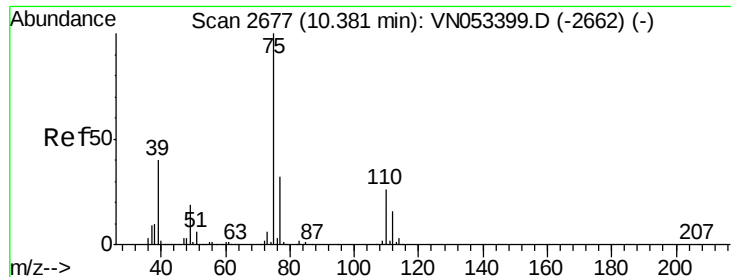
Tot Ion: 43 Resp: 719575
Ion Ratio Lower Upper
43 100
58 40.9 32.8 49.2



#52
Toluene
Concen: 20.356 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 92 Resp: 427152
Ion Ratio Lower Upper
92 100
91 175.8 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.766 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

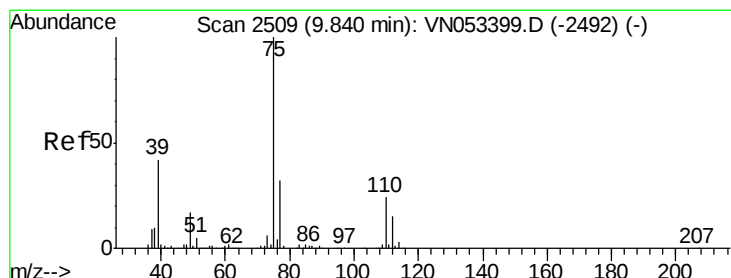
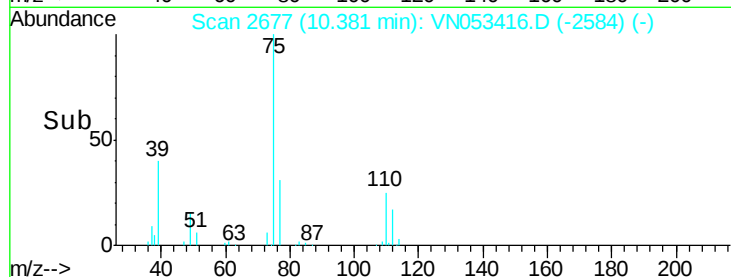
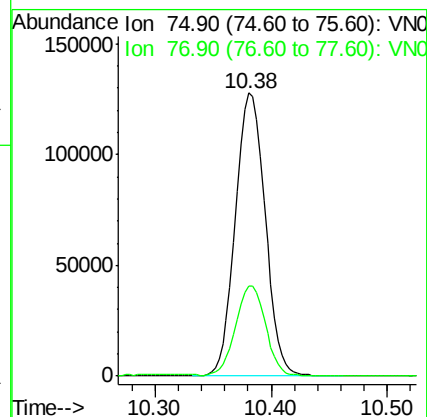
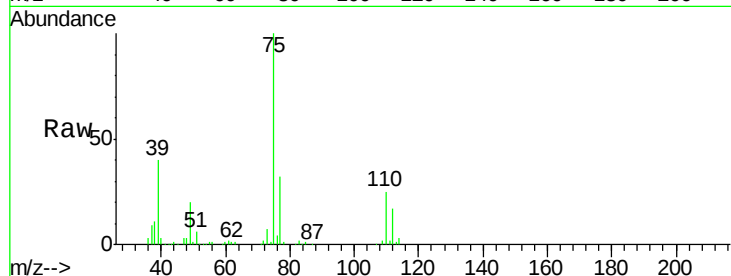
VN0116WBSD01

Tot Ion: 75 Resp: 227681

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.725 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

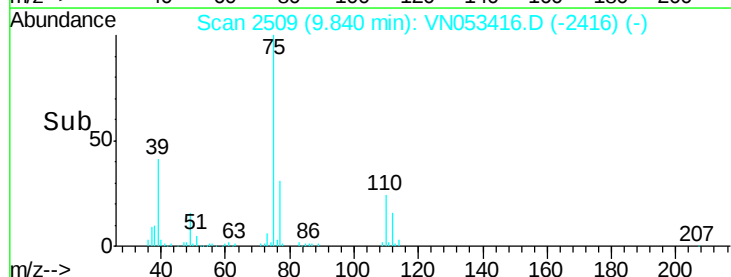
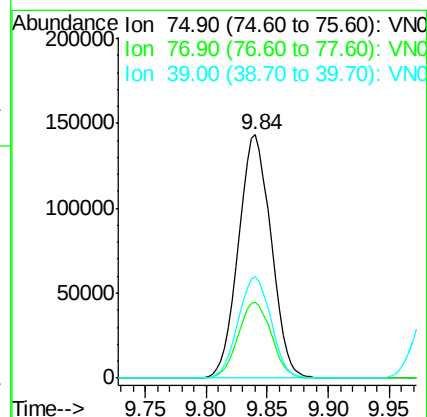
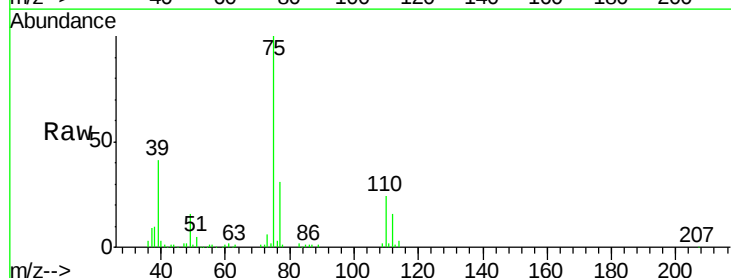
Tgt Ion: 75 Resp: 266375

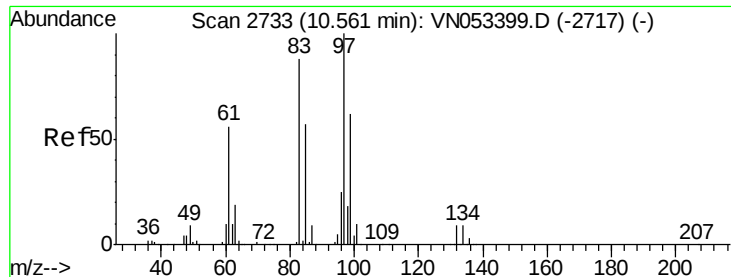
Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 41.5 33.4 50.0

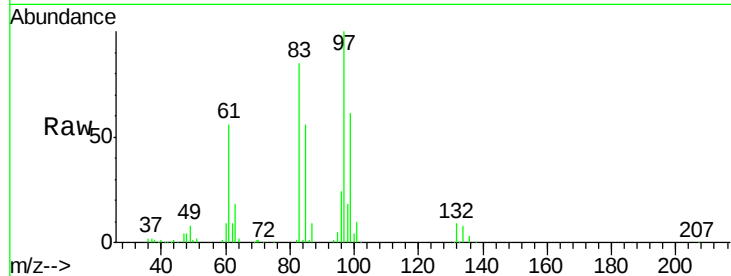




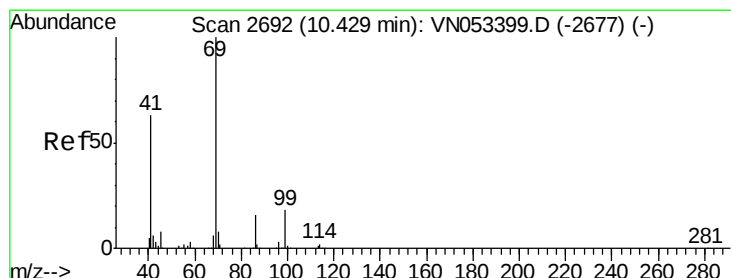
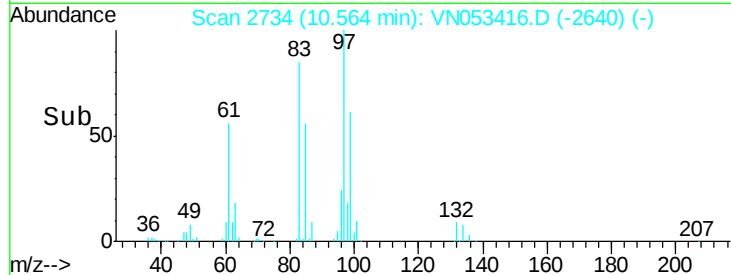
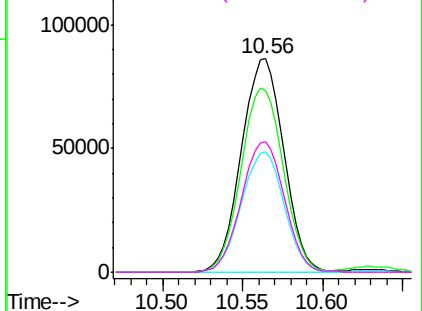
#55
 1,1,2-Trichloroethane
 Concen: 21.658 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116WBSD01

Tot Ion: 97 Resp: 156691
 Ion Ratio Lower Upper
 97 100
 83 85.0 70.1 105.1
 85 56.2 45.4 68.0
 99 61.1 49.8 74.8

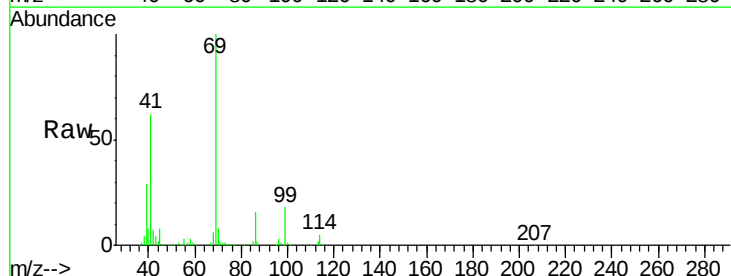


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

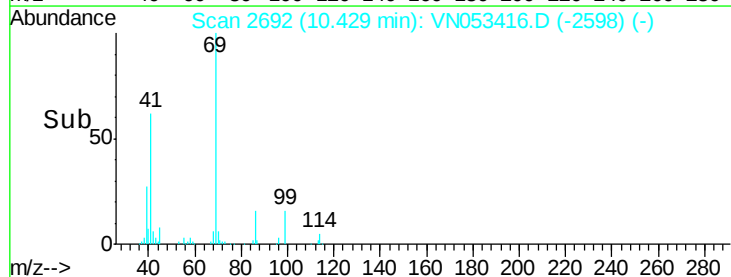
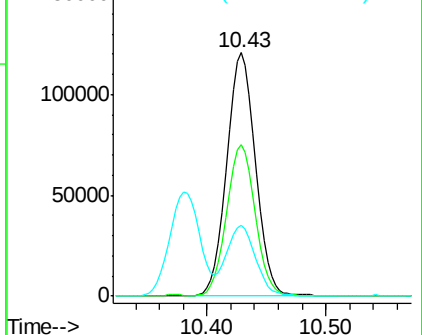


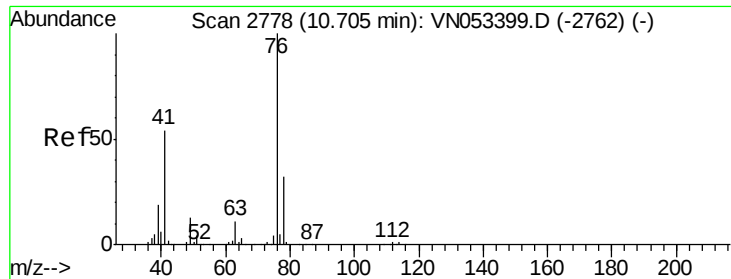
#56
 Ethyl methacrylate
 Concen: 20.979 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 69 Resp: 202607
 Ion Ratio Lower Upper
 69 100
 41 61.1 49.4 74.0
 39 29.4 23.3 34.9



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

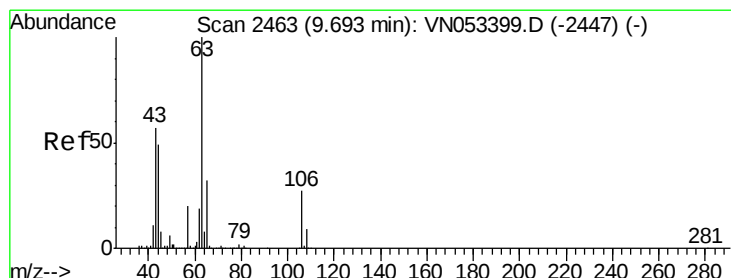
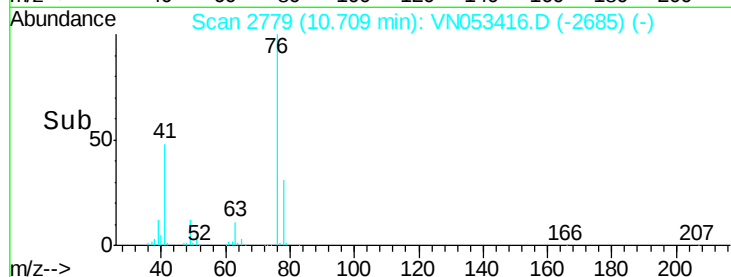
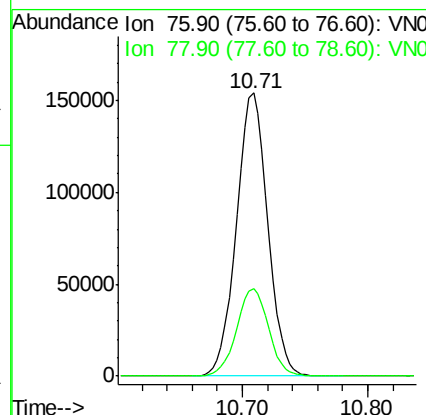
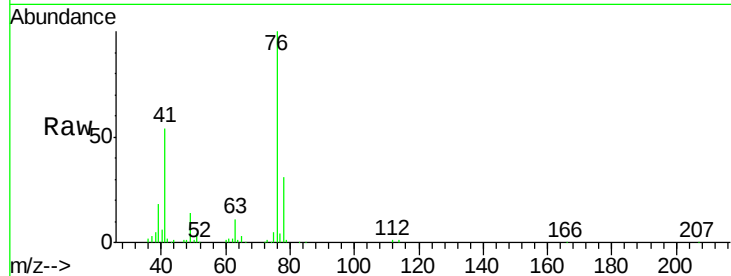




#57
 1,3-Dichloropropane
 Concen: 21.296 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

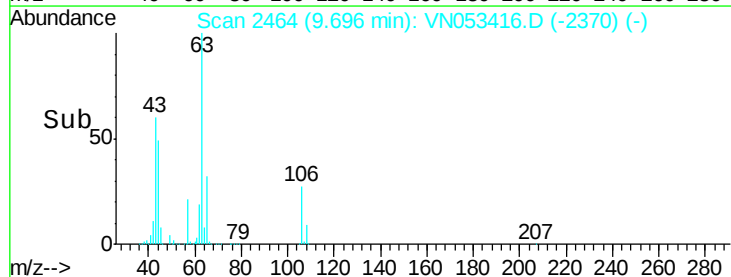
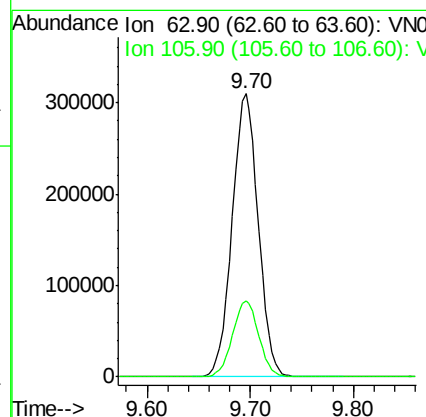
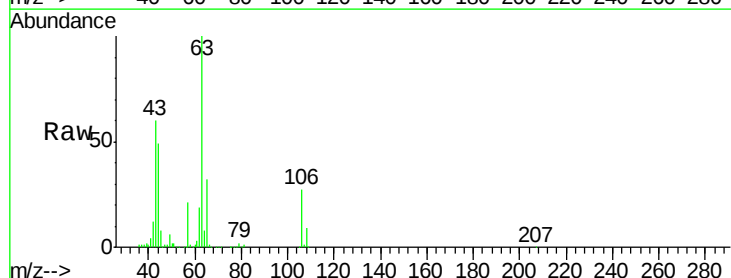
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

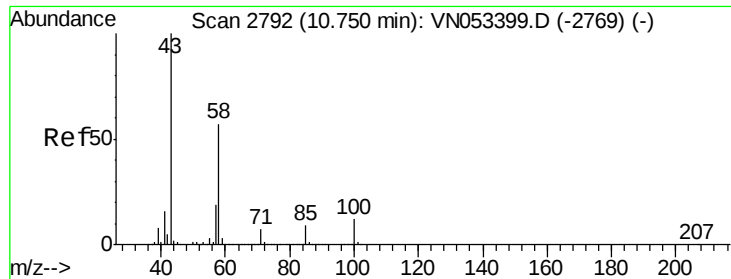
Tot Ion: 76 Resp: 266525
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.864 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 63 Resp: 545926
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.5 32.3

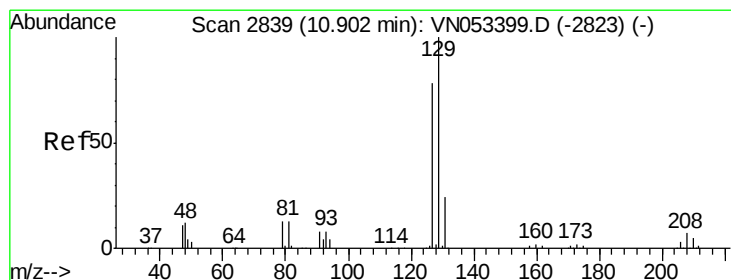
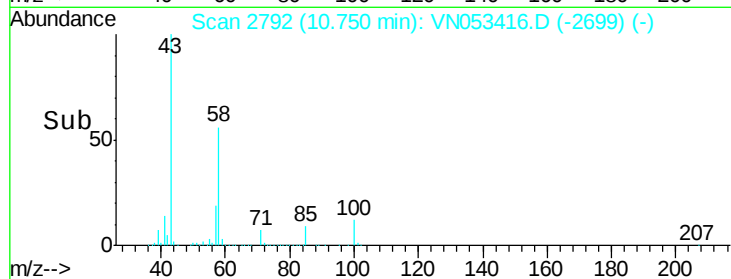
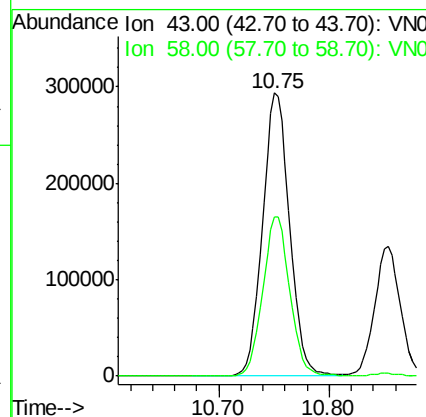
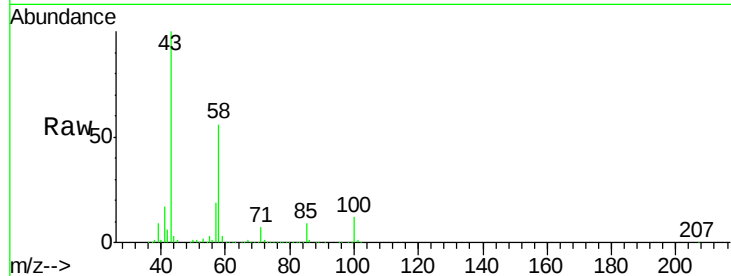




#59
2-Hexanone
Concen: 112.867 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

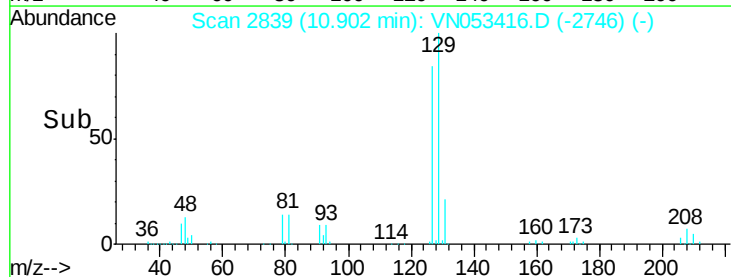
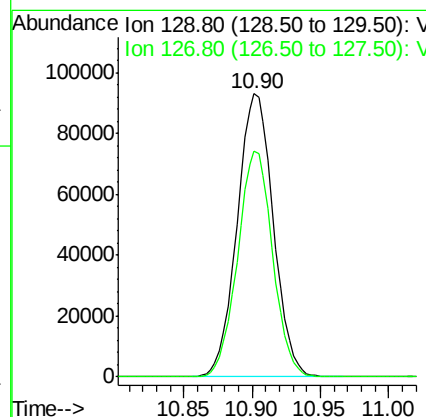
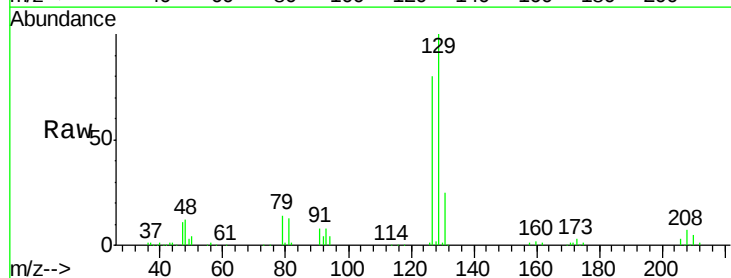
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

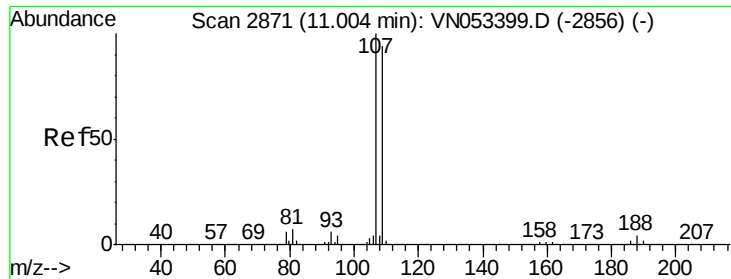
Tot Ion: 43 Resp: 497693
Ion Ratio Lower Upper
43 100
58 56.5 28.6 85.8



#60
Dibromochloromethane
Concen: 20.844 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 129 Resp: 171039
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

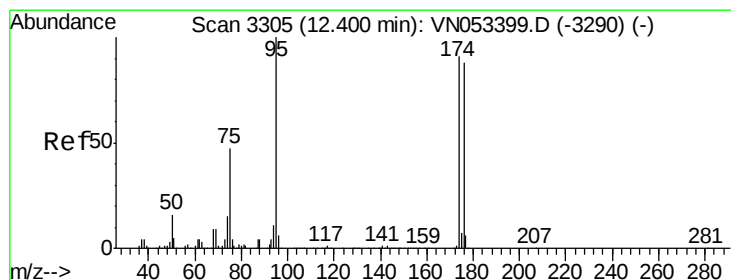
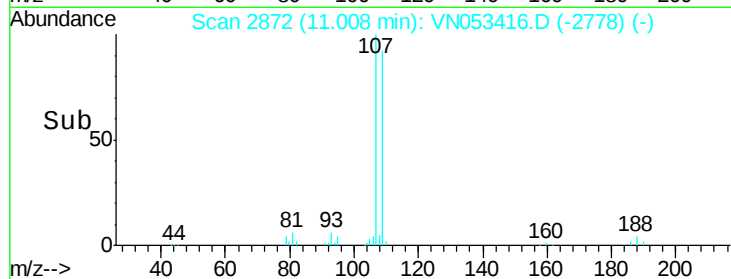
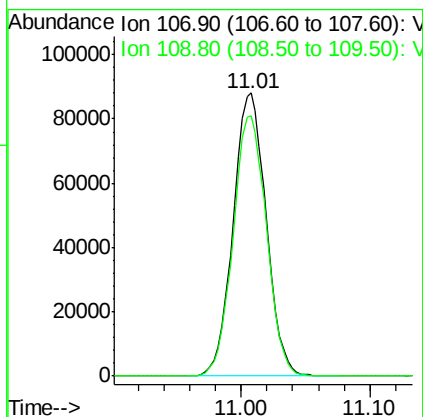
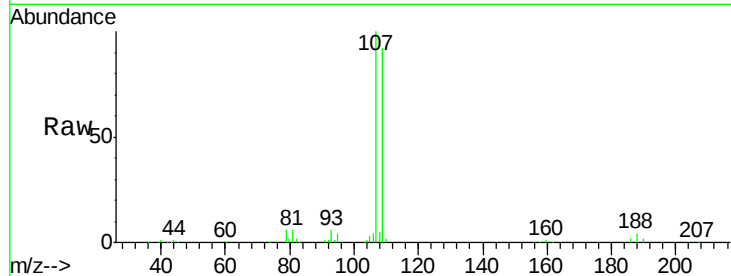




#61
 1,2-Dibromoethane
 Concen: 21.393 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

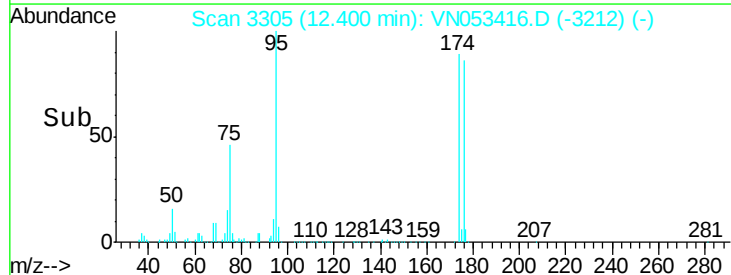
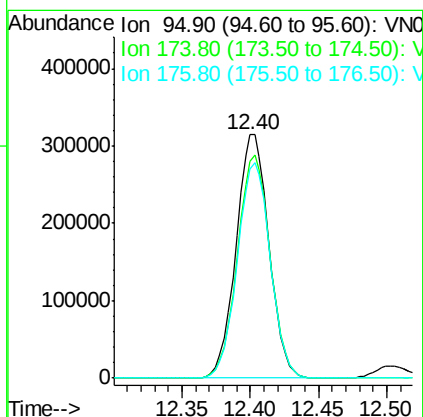
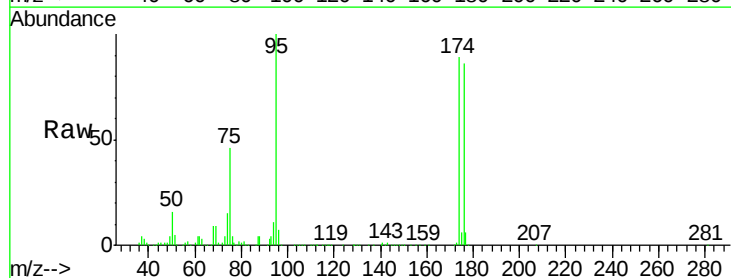
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

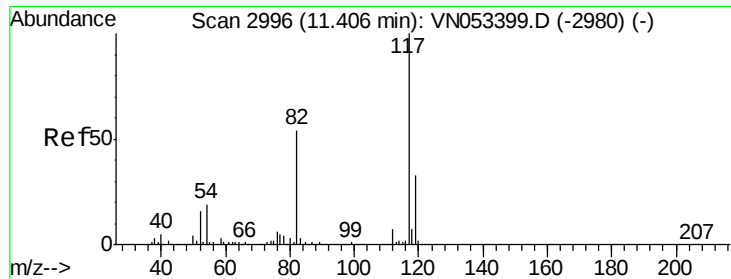
Tot Ion:107 Resp: 156530
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.393 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 95 Resp: 524490
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 183.2
 176 88.6 0.0 177.4

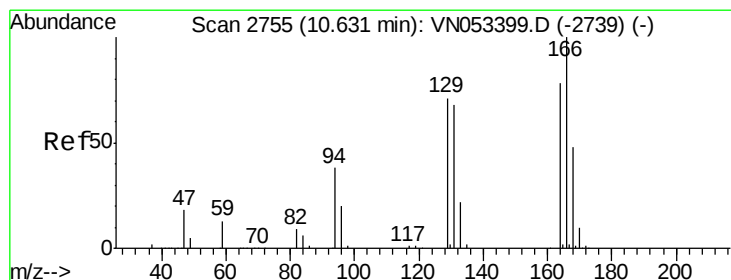
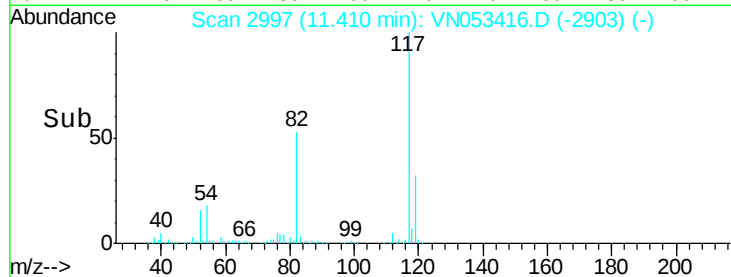
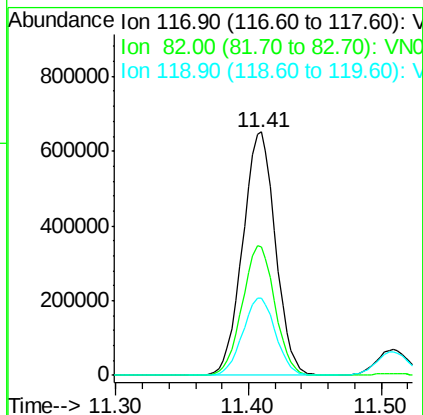
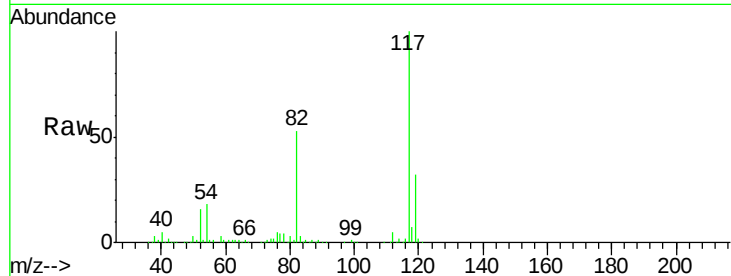




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

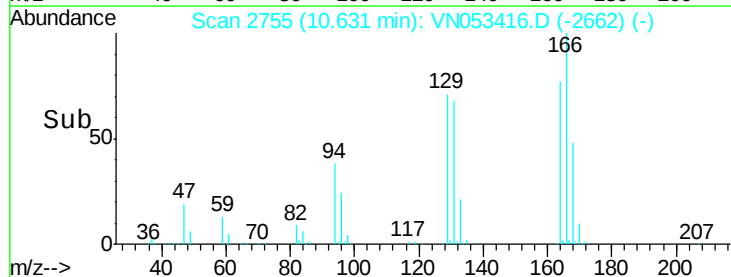
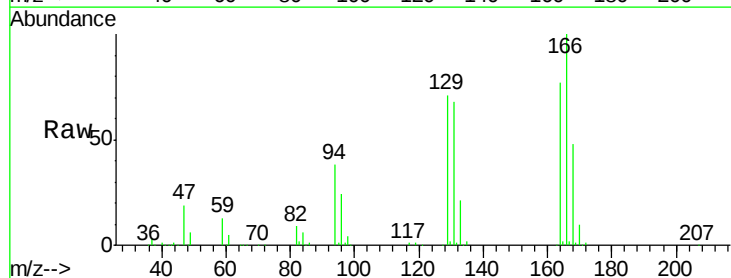
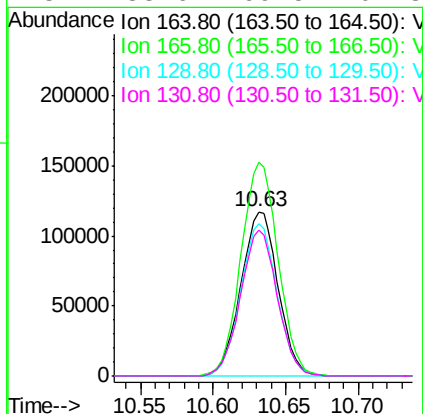
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

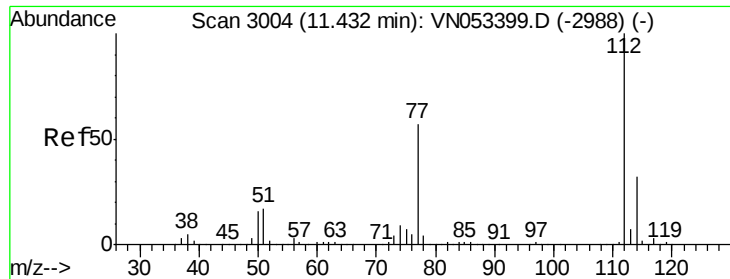
Tot Ion:117 Resp: 1114888
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 19.893 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:164 Resp: 209010
Ion Ratio Lower Upper
164 100
166 130.0 102.2 153.4
129 92.7 72.6 109.0
131 88.6 69.5 104.3

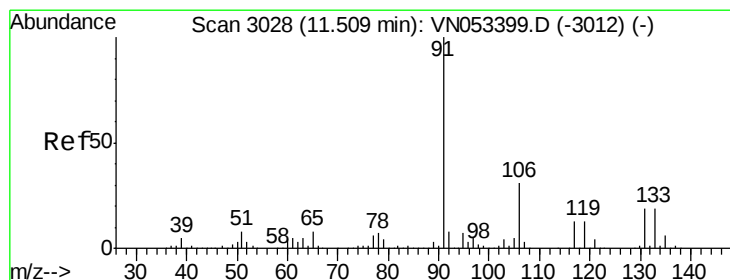
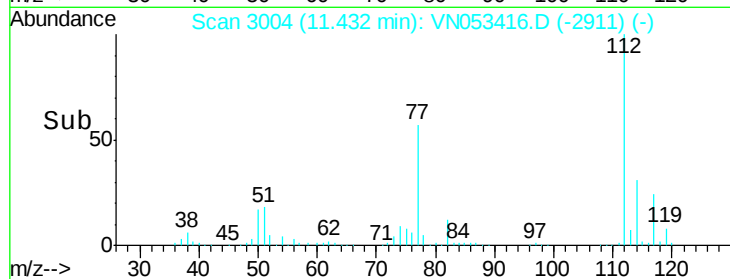
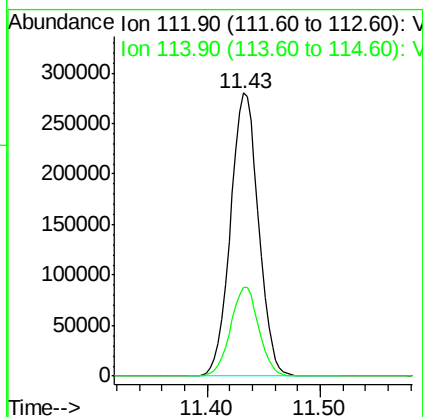
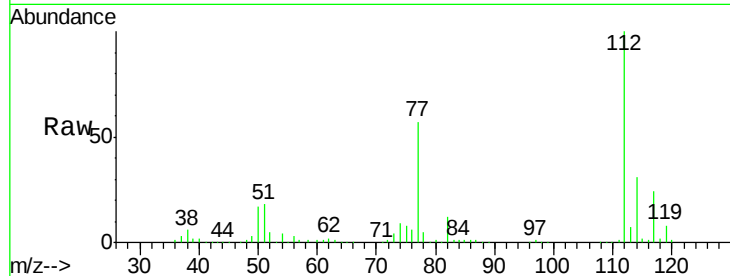




#65
Chlorobenzene
Concen: 20.469 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

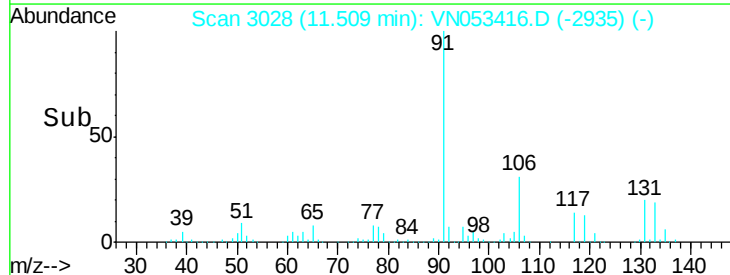
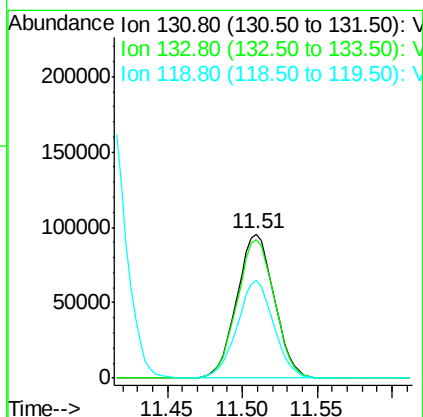
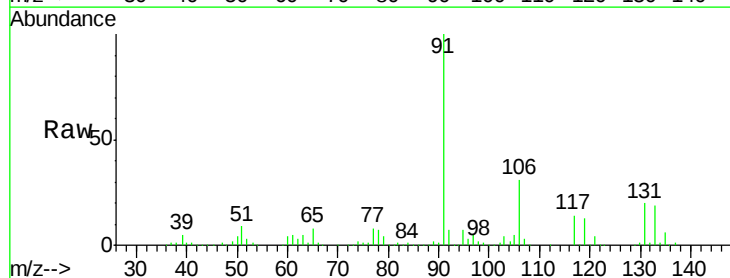
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

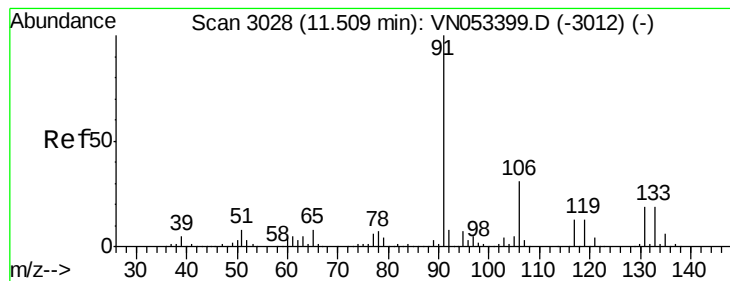
Tot Ion:112 Resp: 483031
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.281 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:131 Resp: 166499
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 66.1 33.5 100.5





#67

Ethyl Benzene

Concen: 20.241 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

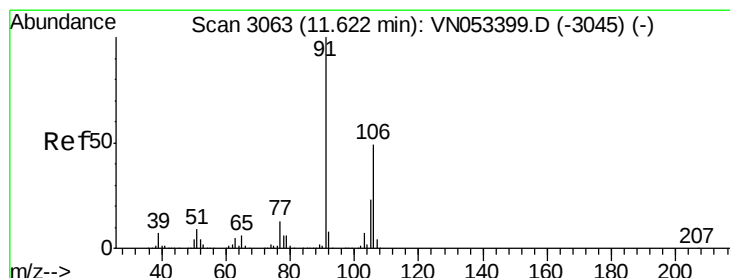
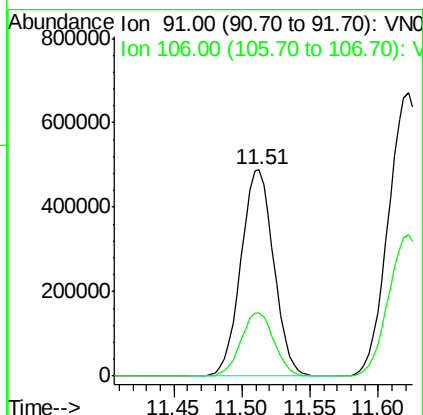
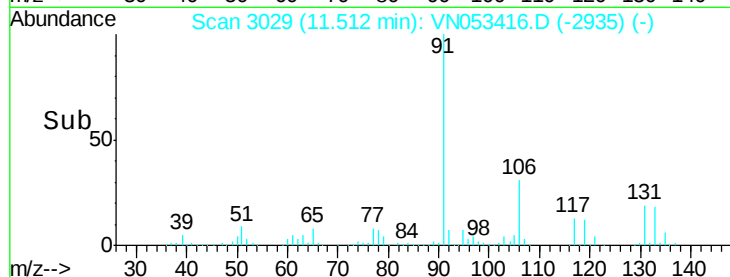
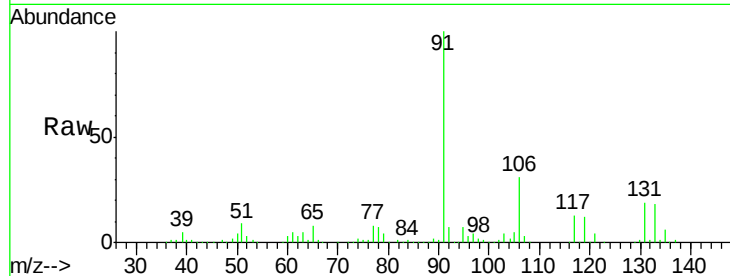
VN0116WBSD01

Tot Ion: 91 Resp: 814059

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.6



#68

m/p-Xylenes

Concen: 41.531 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053416.D

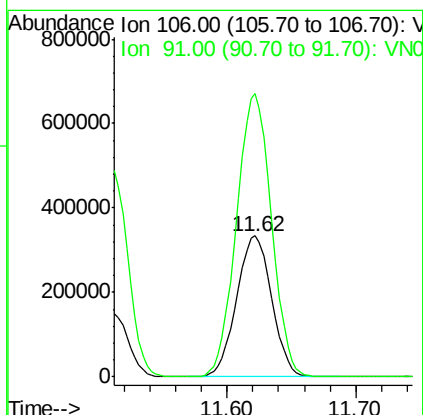
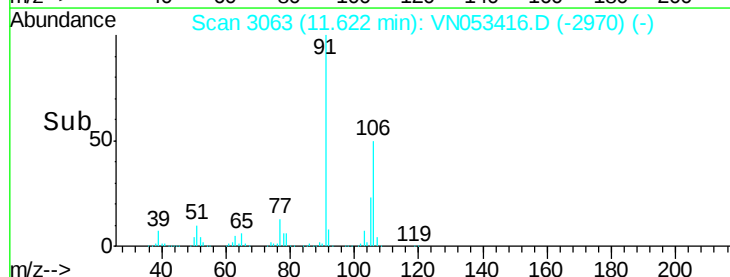
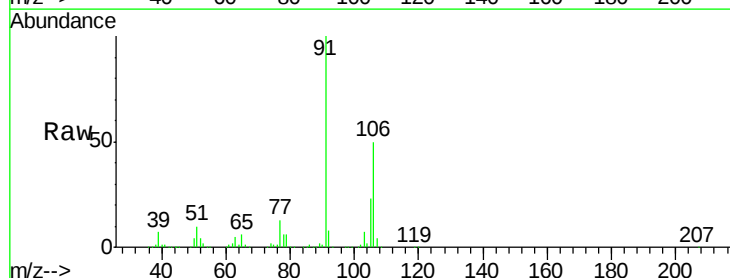
Acq: 16 Jan 2019 11:14

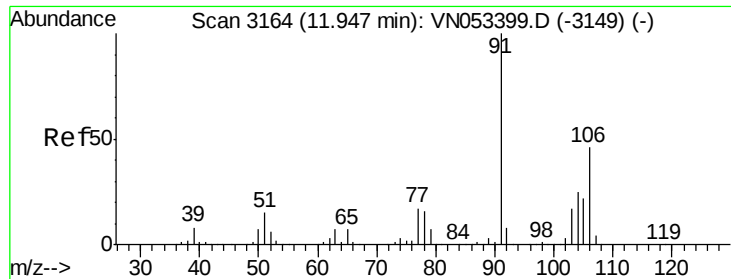
Tgt Ion: 106 Resp: 630627

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2

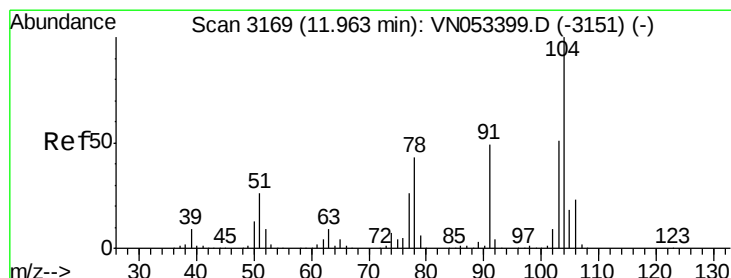
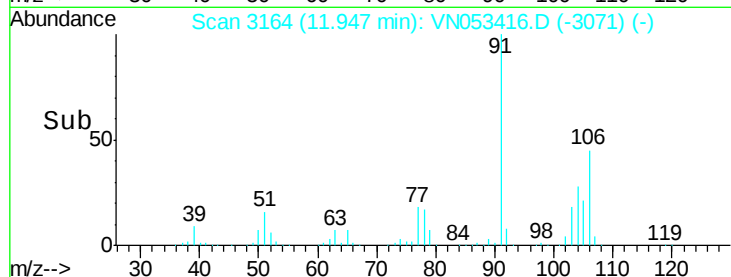
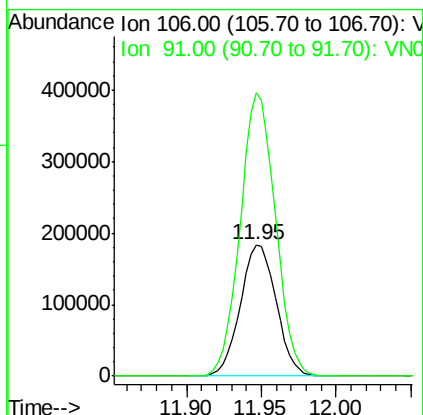
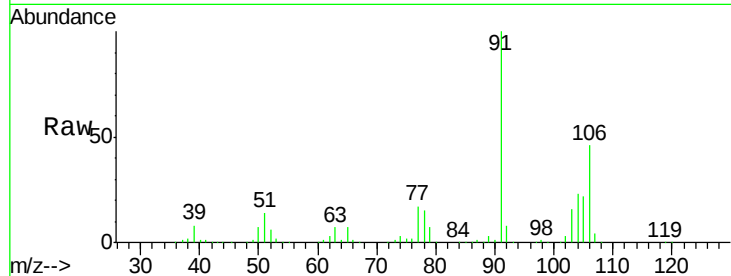




#69
o-Xylene
Concen: 20.767 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

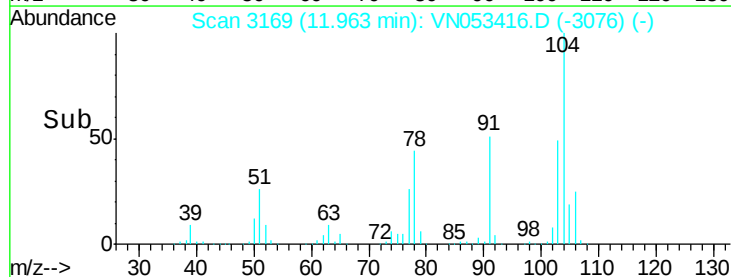
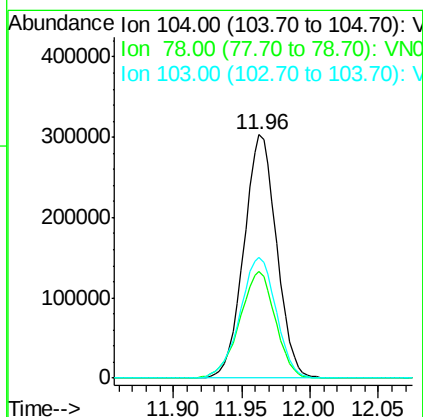
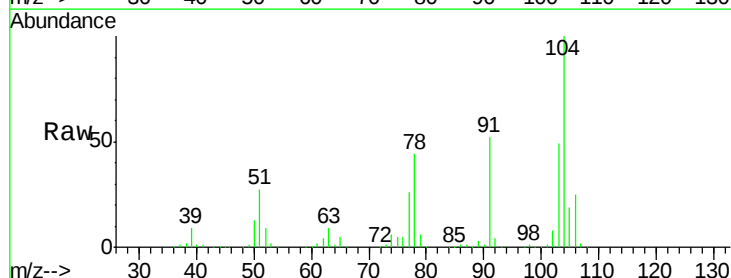
Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

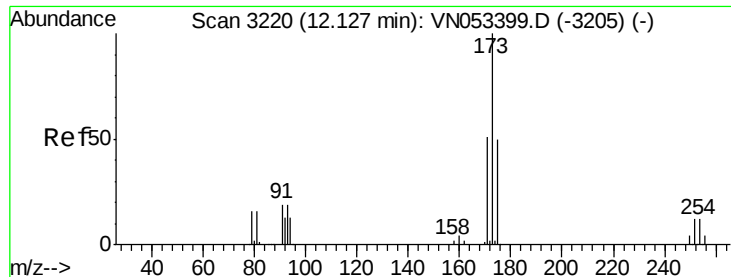
Tot Ion:106 Resp: 306412
Ion Ratio Lower Upper
106 100
91 211.8 106.9 320.8



#70
Styrene
Concen: 21.010 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:104 Resp: 503102
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.7 44.4 66.6





#71

Bromoform

Concen: 21.468 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

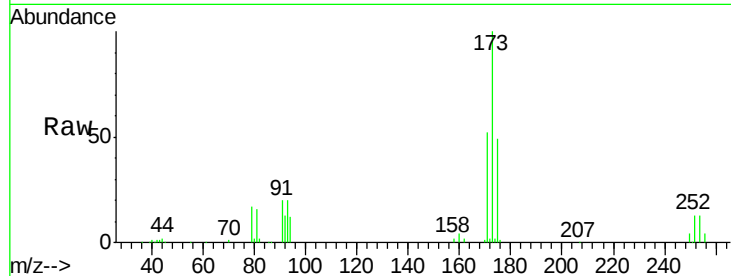
Tot Ion:173 Resp: 121335

Ion Ratio Lower Upper

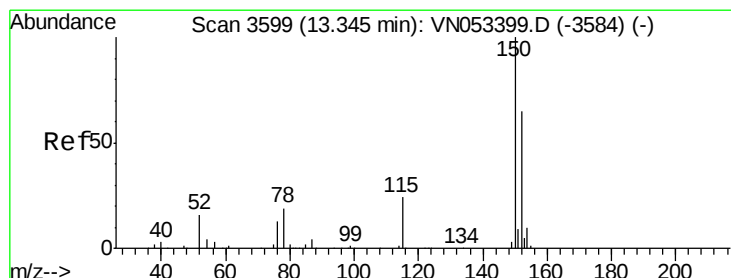
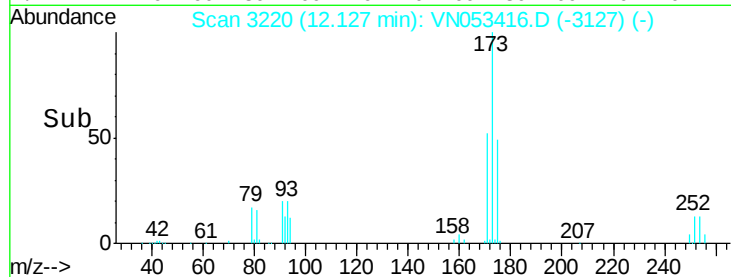
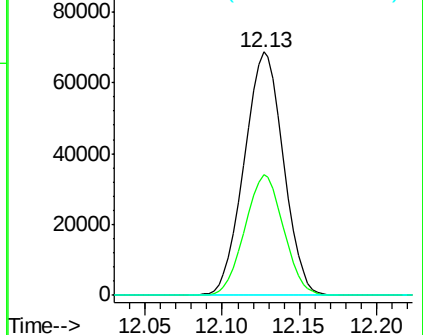
173 100

175 48.8 24.6 74.0

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

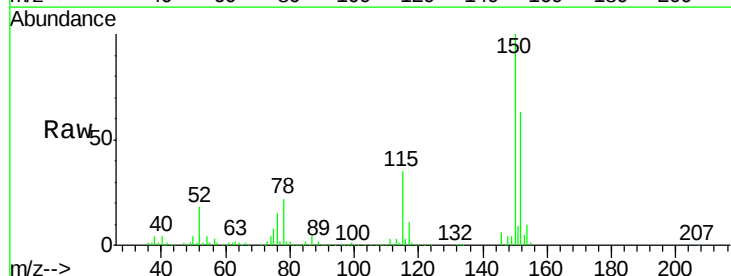
Tgt Ion:152 Resp: 539764

Ion Ratio Lower Upper

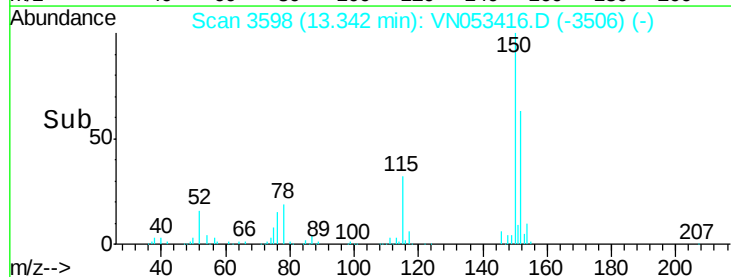
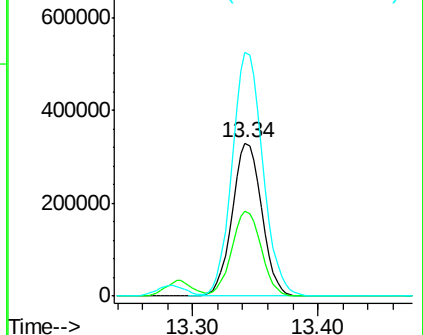
152 100

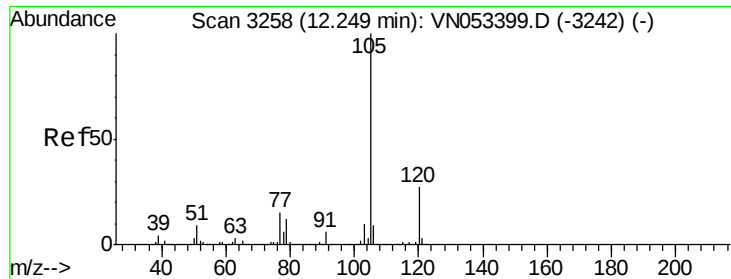
115 55.3 27.8 83.4

150 165.2 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.453 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

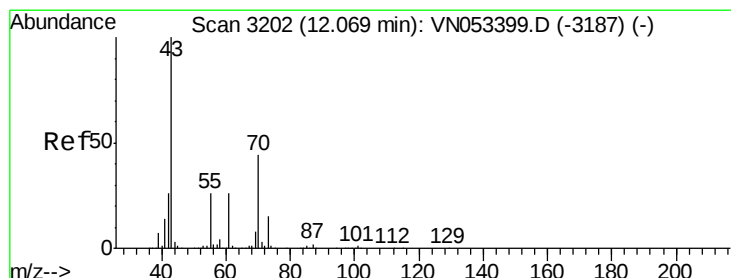
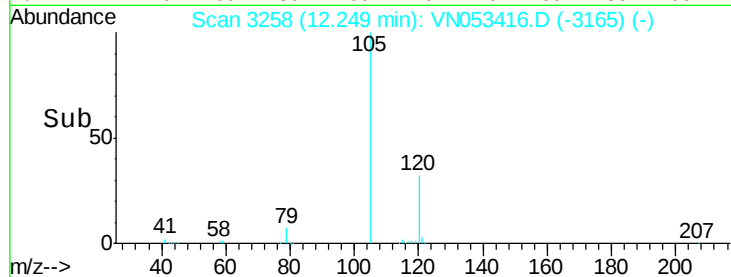
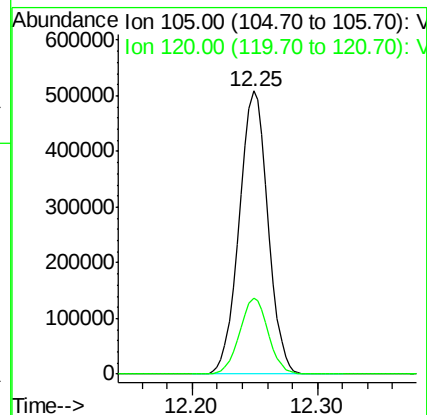
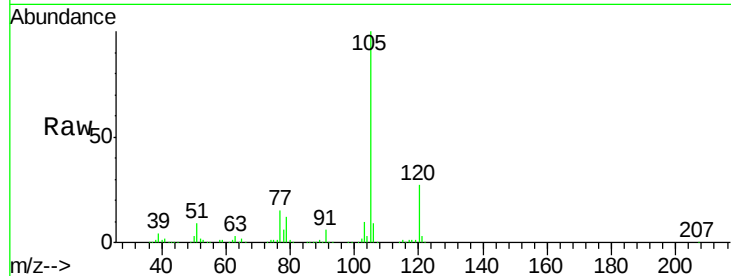
VN0116WBSD01

Tot Ion: 105 Resp: 808441

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.7



#74

N-ethyl acetate

Concen: 21.634 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion: 43 Resp: 227961

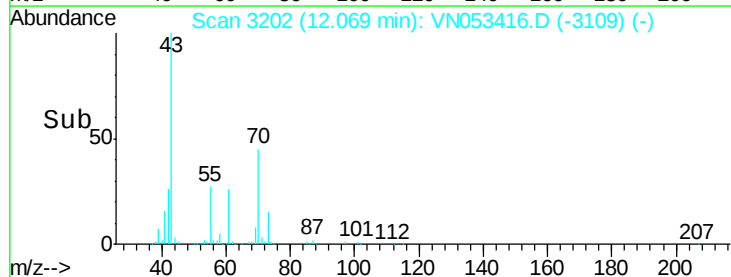
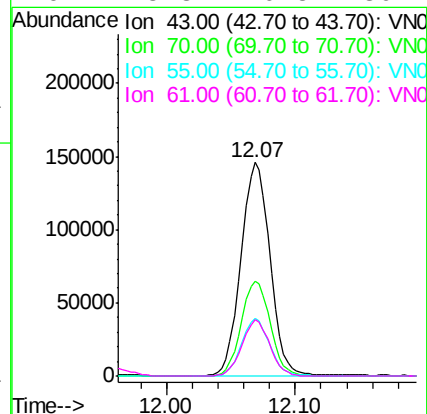
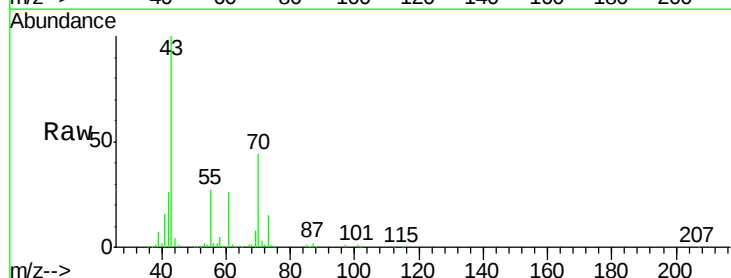
Ion Ratio Lower Upper

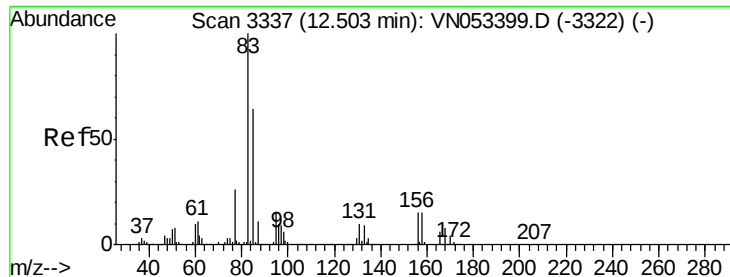
43 100

70 44.4 35.4 53.2

55 26.4 20.9 31.3

61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.792 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

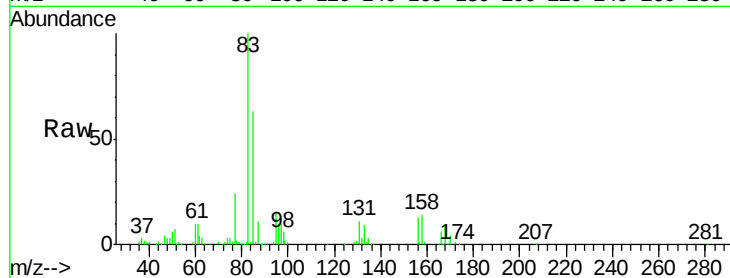
Tot Ion: 83 Resp: 180651

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

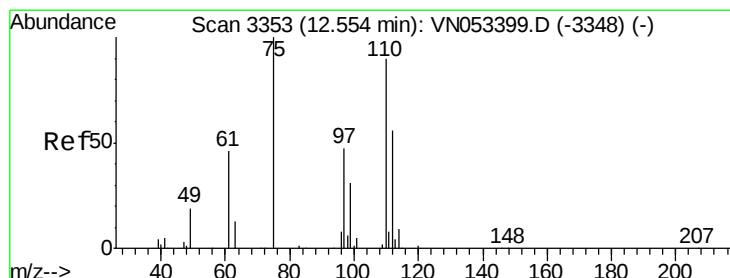
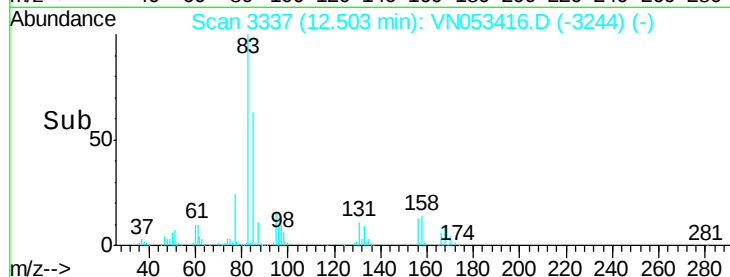
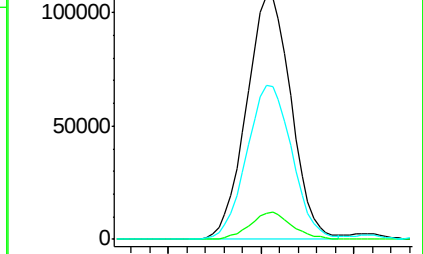
85 63.9 32.1 96.3



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

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

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



#76

1,2,3-Trichloropropane

Concen: 34.124 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053416.D

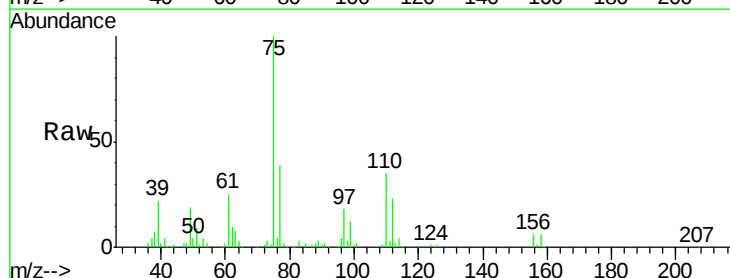
Acq: 16 Jan 2019 11:14

Tgt Ion: 75 Resp: 242727

Ion Ratio Lower Upper

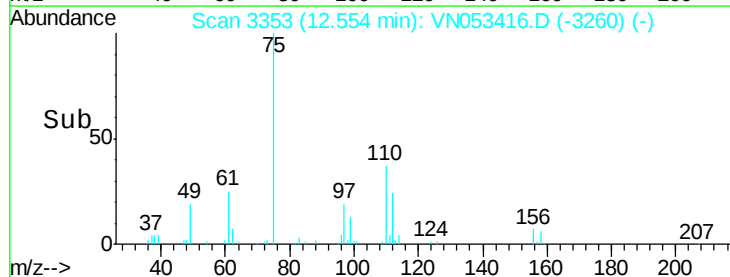
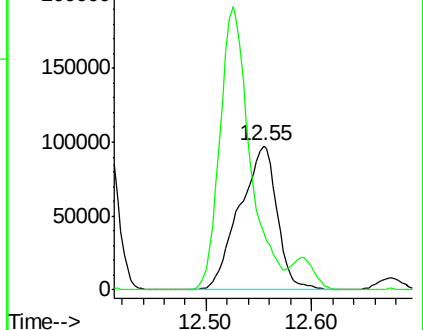
75 100

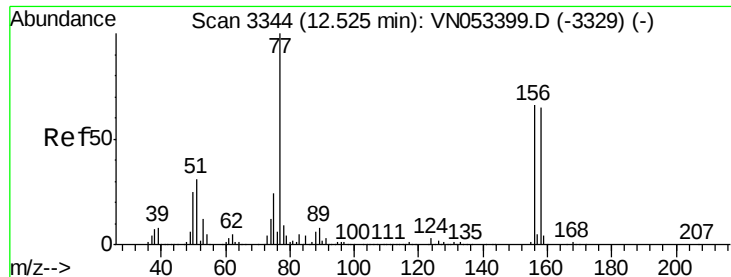
77 0.0 0.0 0.0



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

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





#77

Bromobenzene

Concen: 20.502 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VN0116WBSD01

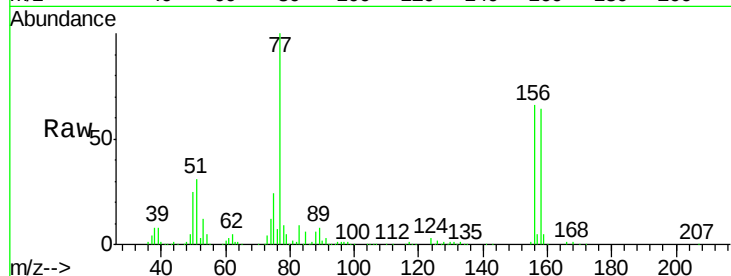
Tot Ion:156 Resp: 213539

Ion Ratio Lower Upper

156 100

77 177.9 87.9 263.8

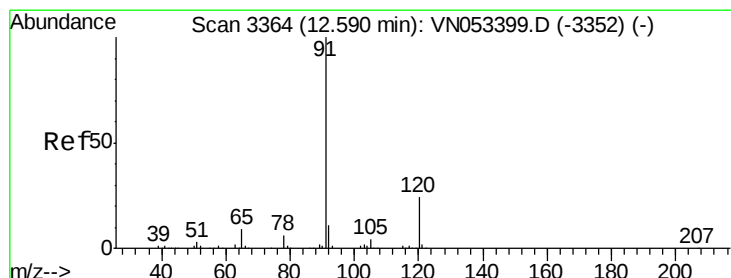
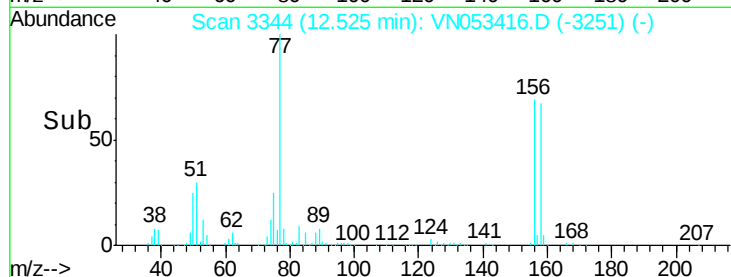
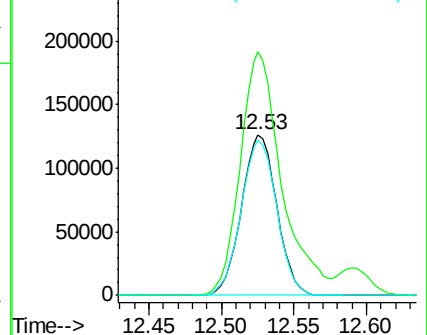
158 97.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.599 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053416.D

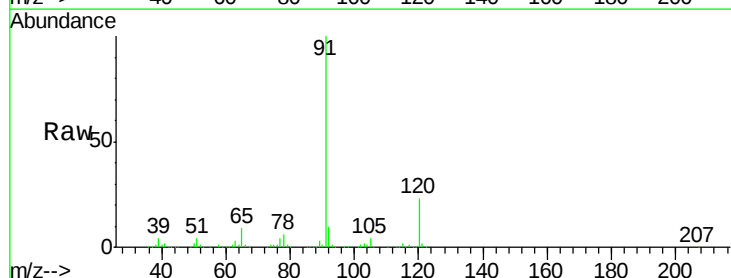
Acq: 16 Jan 2019 11:14

Tgt Ion: 91 Resp: 934644

Ion Ratio Lower Upper

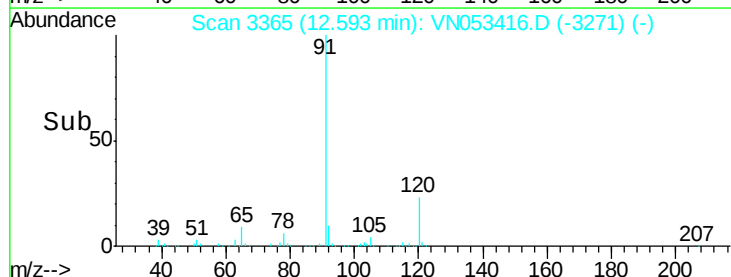
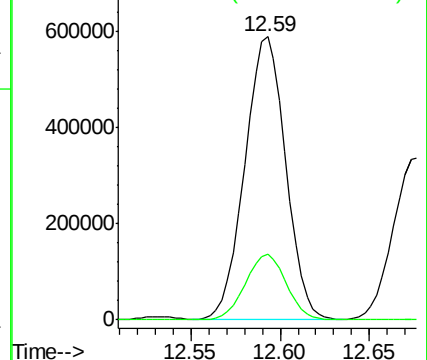
91 100

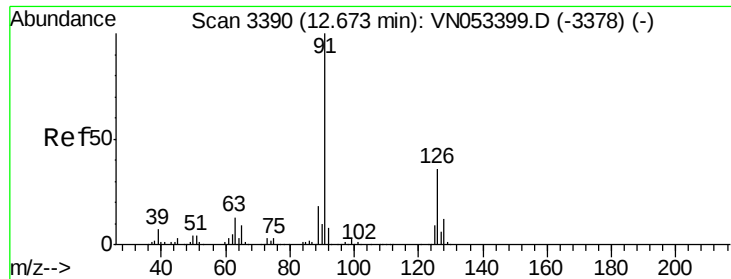
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.566 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

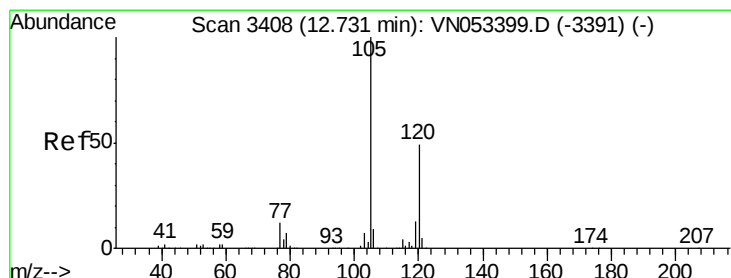
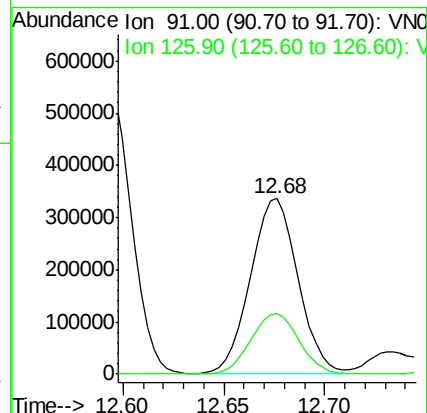
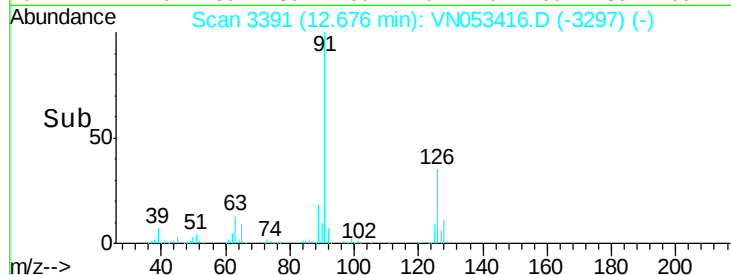
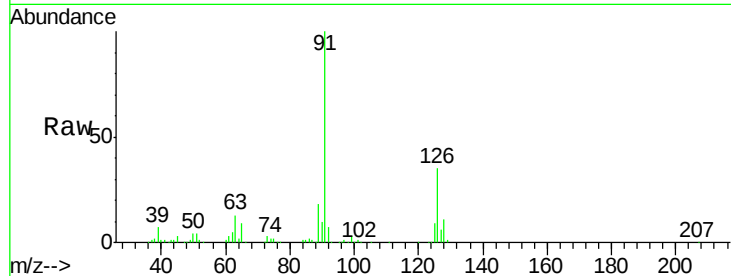
VN0116WBSD01

Tot Ion: 91 Resp: 553114

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.865 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053416.D

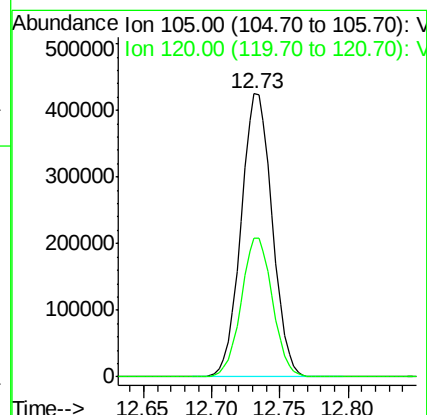
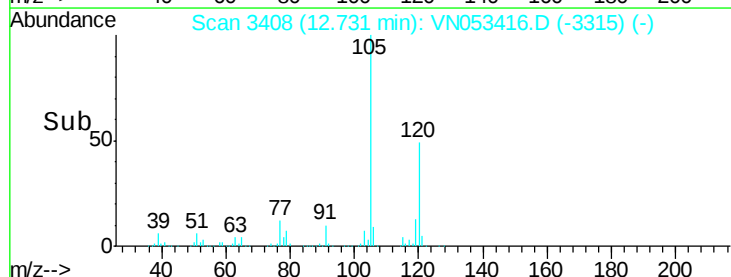
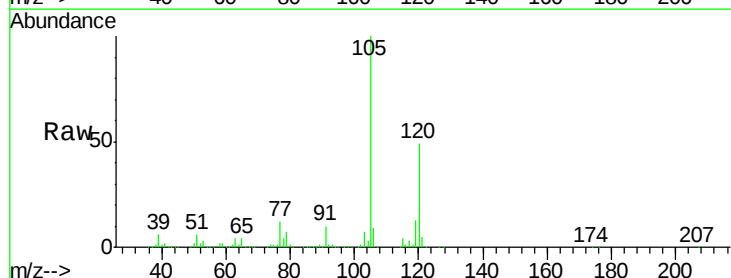
Acq: 16 Jan 2019 11:14

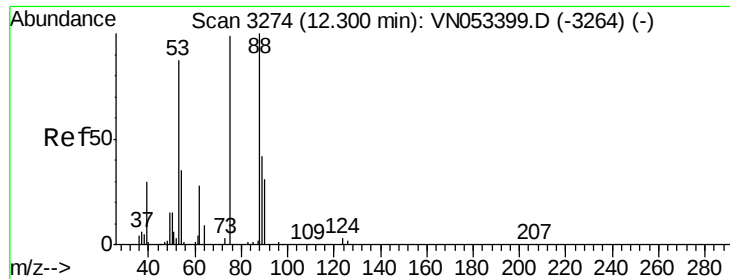
Tgt Ion: 105 Resp: 671029

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6

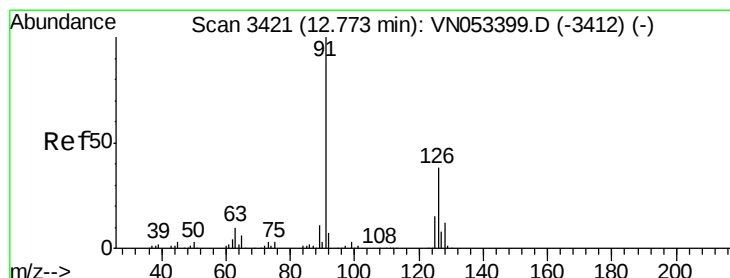
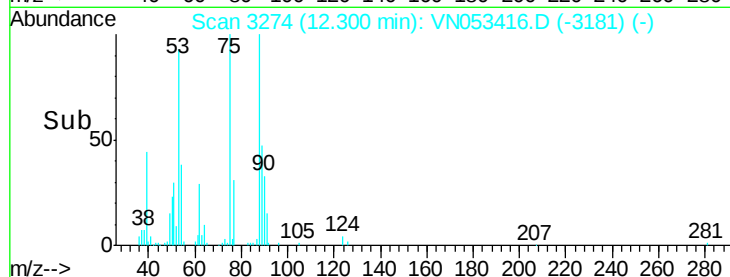
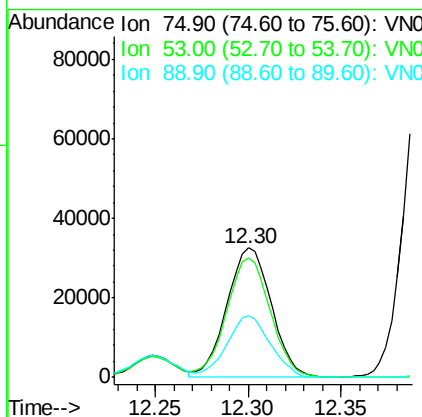
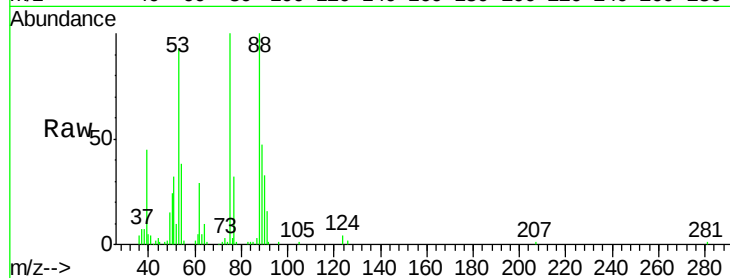




#81
trans-1,4-Dichloro-2-butene
Concen: 20.880 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

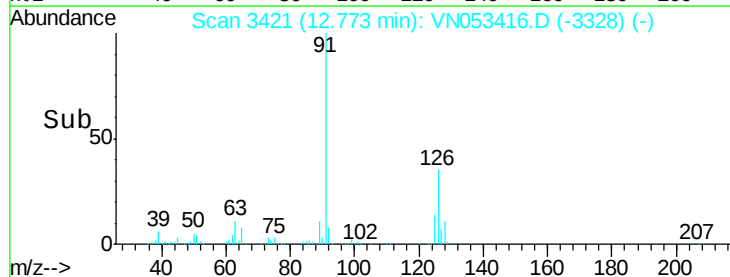
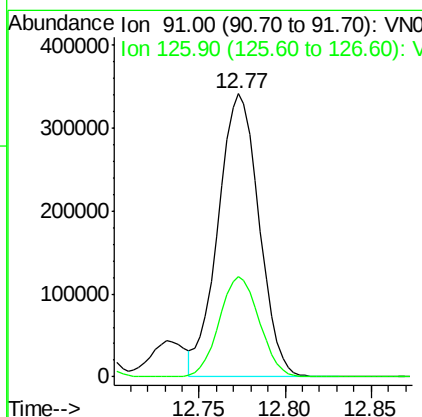
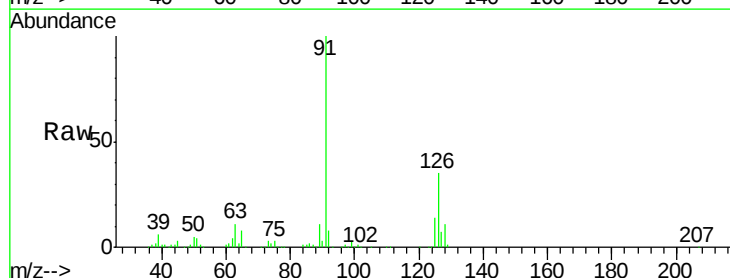
Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

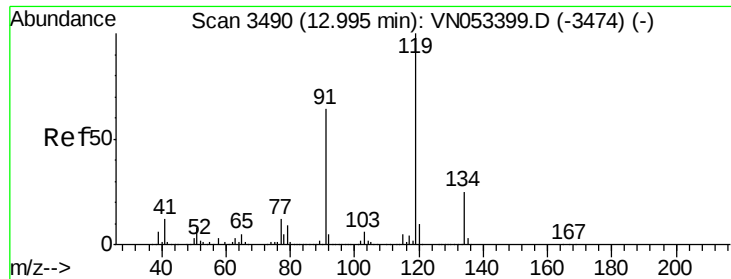
Tot Ion: 75 Resp: 54318
Ion Ratio Lower Upper
75 100
53 90.8 69.8 104.6
89 46.0 35.6 53.4



#82
4-Chlorotoluene
Concen: 20.618 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 91 Resp: 565466
Ion Ratio Lower Upper
91 100
126 34.7 17.6 52.9

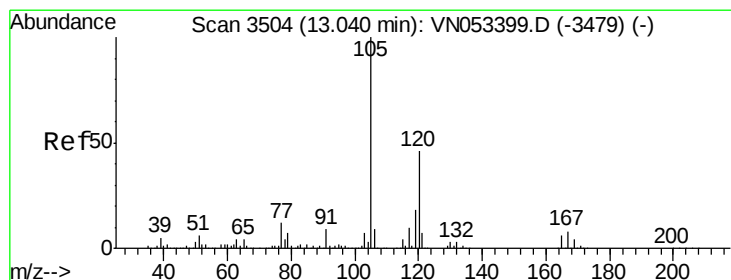
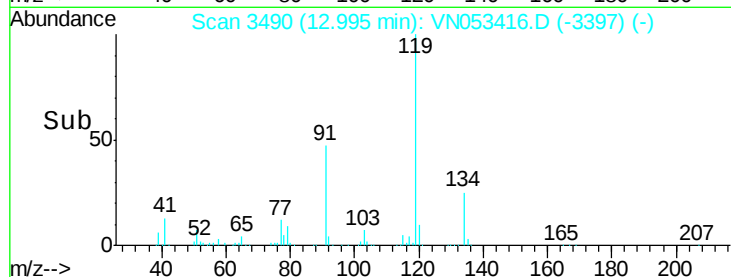
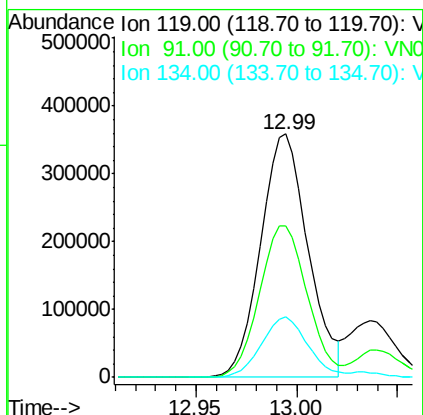
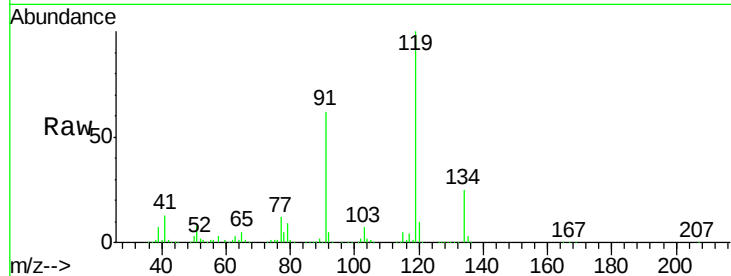




#83
 tert-Butylbenzene
 Concen: 20.736 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

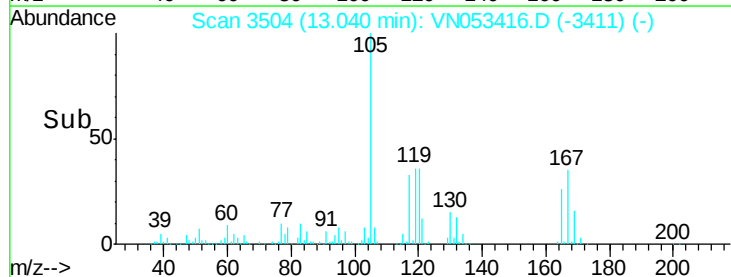
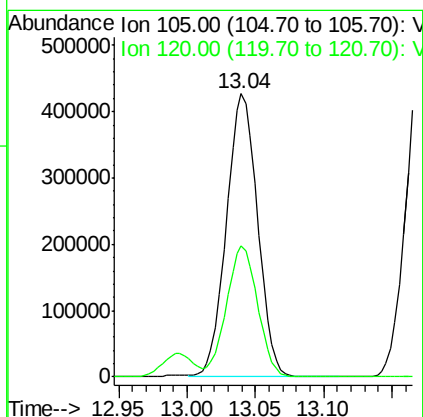
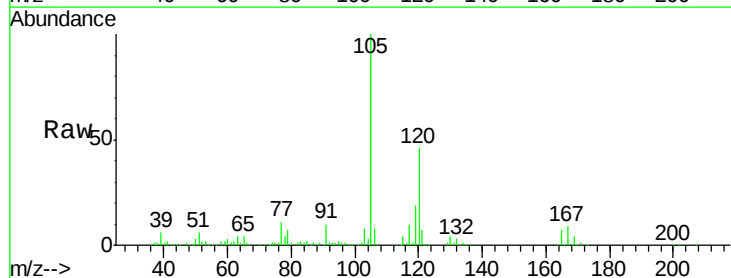
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

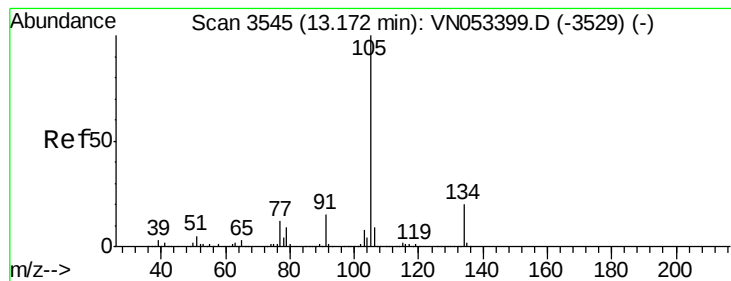
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.3	93.8
134	24.2	12.9	38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.892 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.554 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

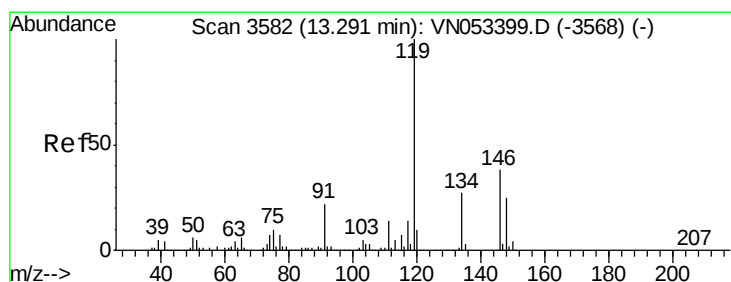
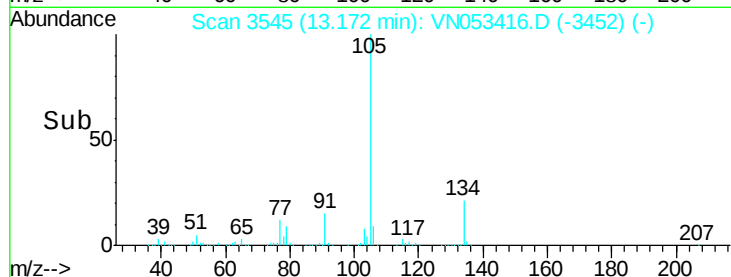
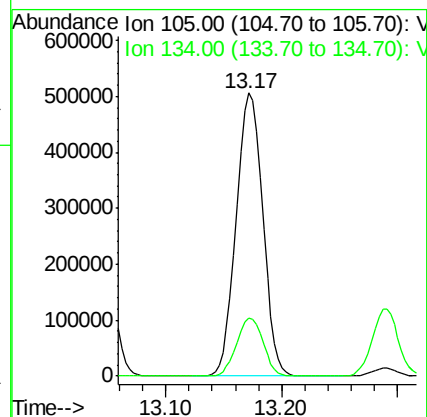
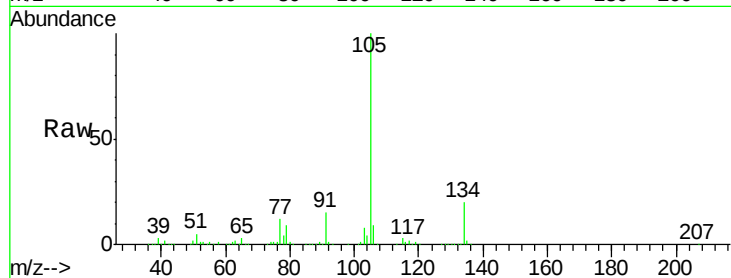
VN0116WBSD01

Tot Ion:105 Resp: 800690

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.580 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

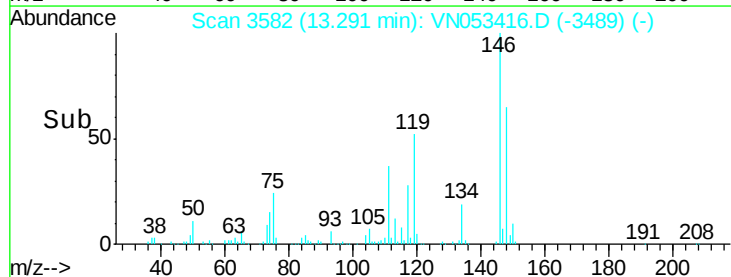
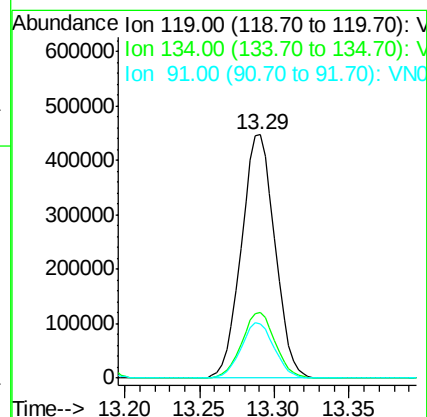
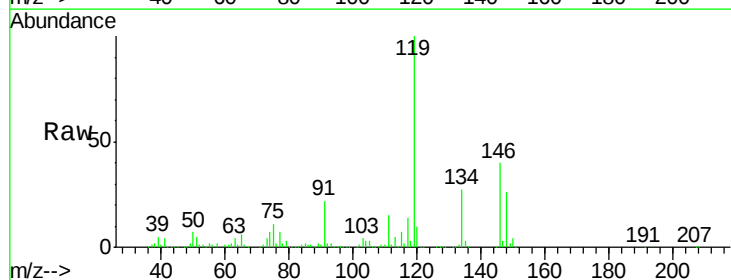
Tgt Ion:119 Resp: 696108

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.480 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

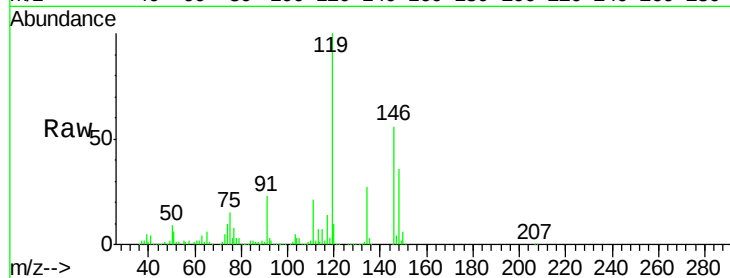
Tot Ion:146 Resp: 375223

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

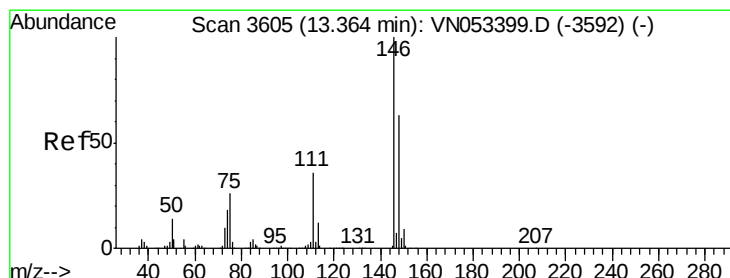
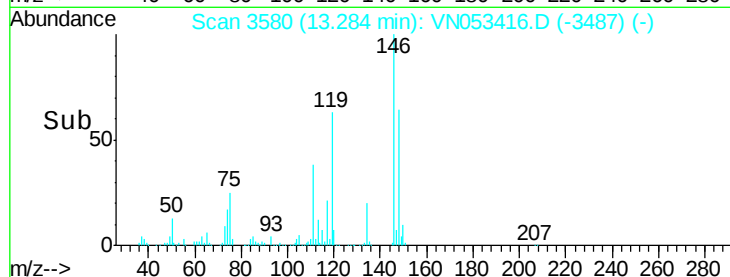
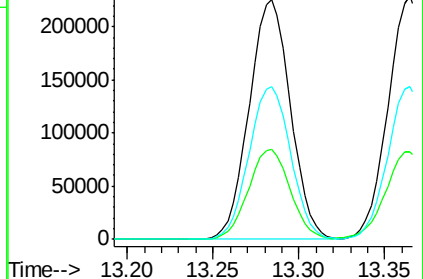
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.438 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

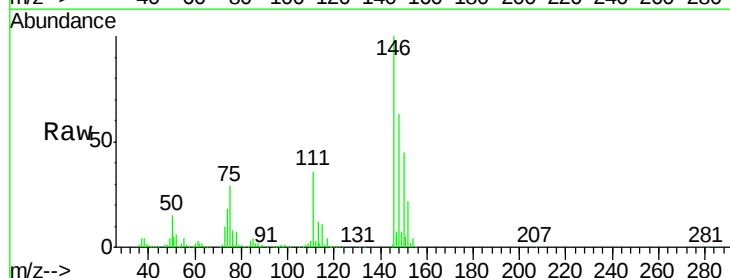
Tgt Ion:146 Resp: 375604

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

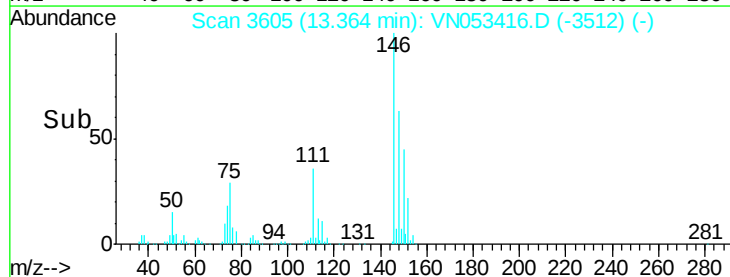
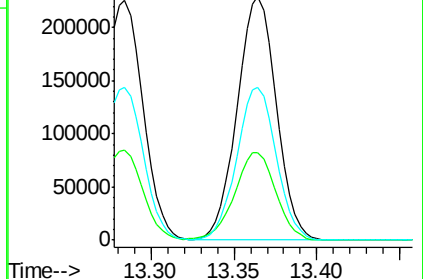
148 63.4 32.4 97.0

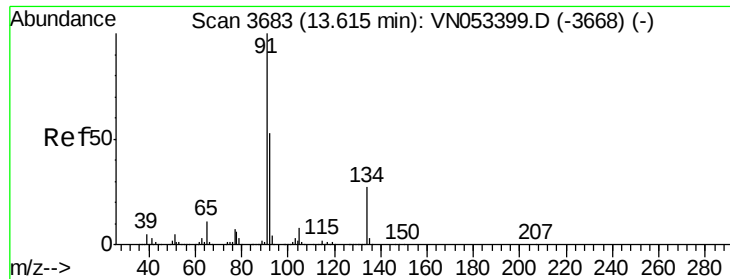


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

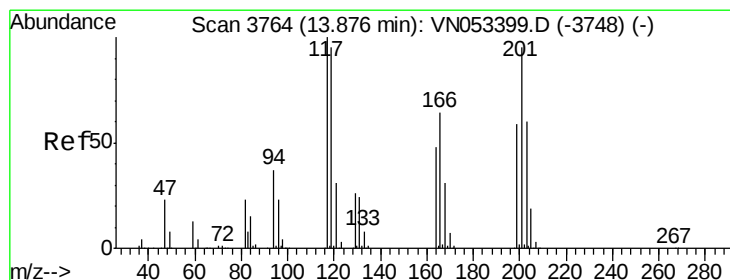
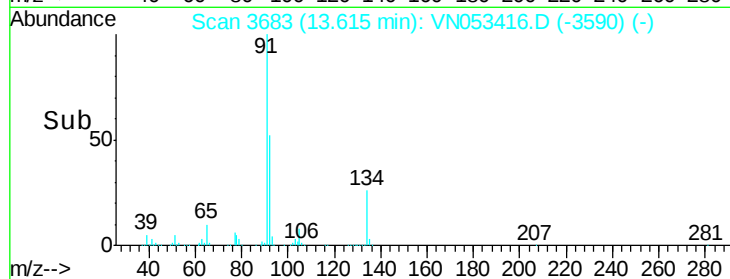
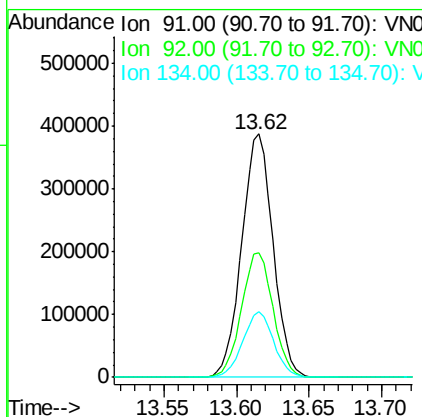
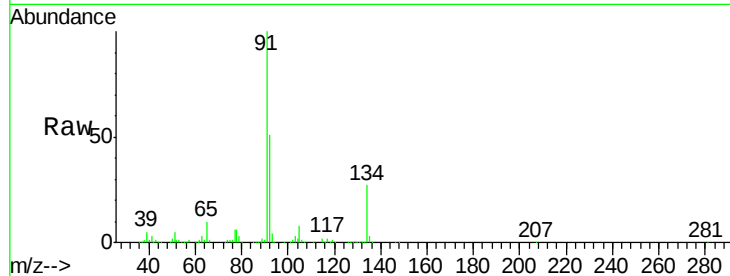




#89
n-Butylbenzene
Concen: 20.219 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

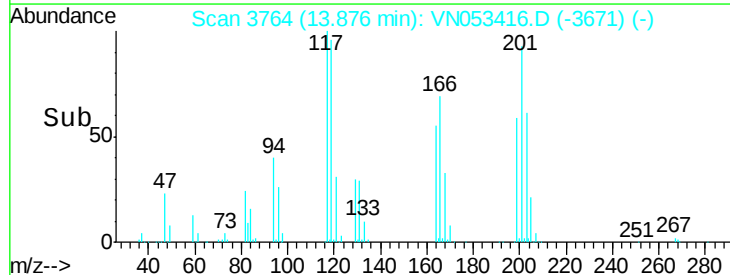
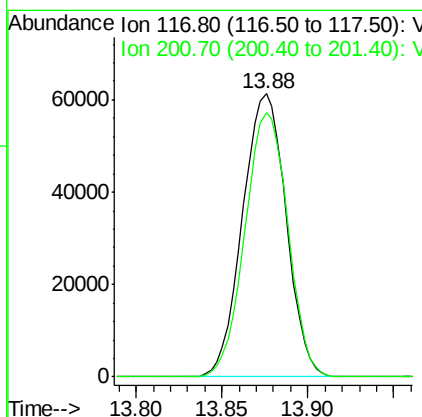
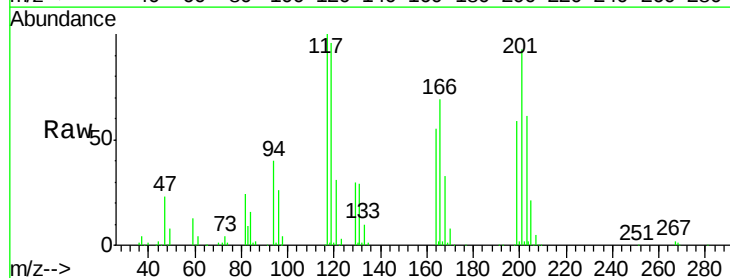
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

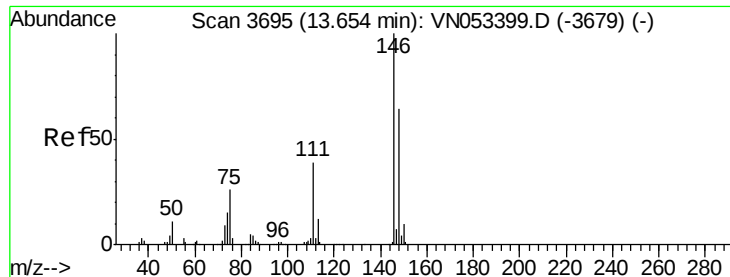
Tot Ion: 91 Resp: 582969
Ion Ratio Lower Upper
91 100
92 51.6 26.3 78.8
134 26.6 13.5 40.5



#90
Hexachloroethane
Concen: 20.328 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 117 Resp: 107835
Ion Ratio Lower Upper
117 100
201 92.0 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 21.429 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

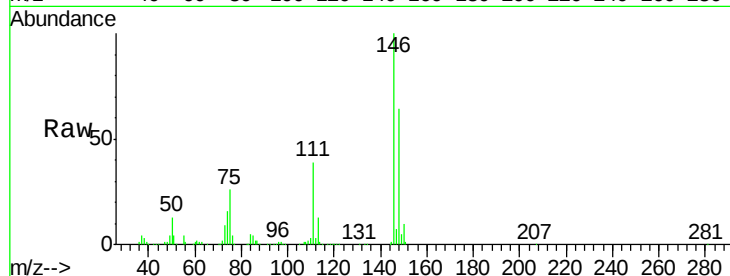
Tot Ion:146 Resp: 361191

Ion Ratio Lower Upper

146 100

111 39.4 19.5 58.5

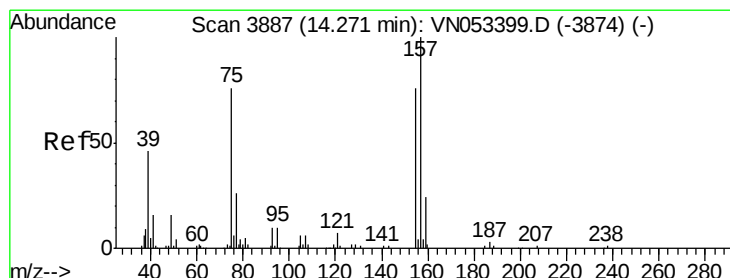
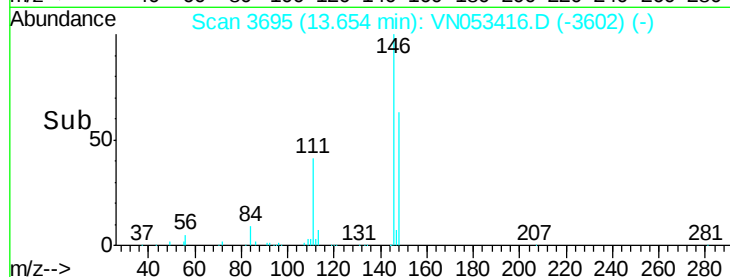
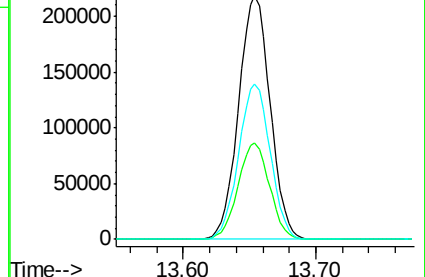
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.751 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

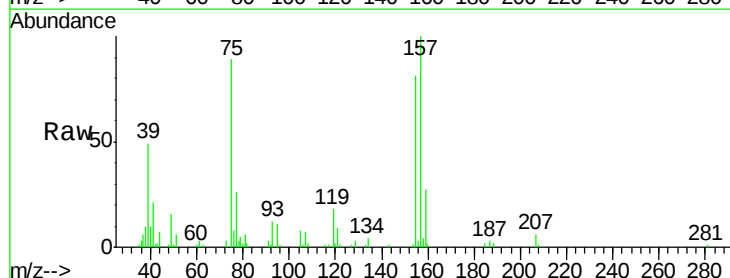
Tgt Ion: 75 Resp: 26017

Ion Ratio Lower Upper

75 100

155 95.0 48.9 146.7

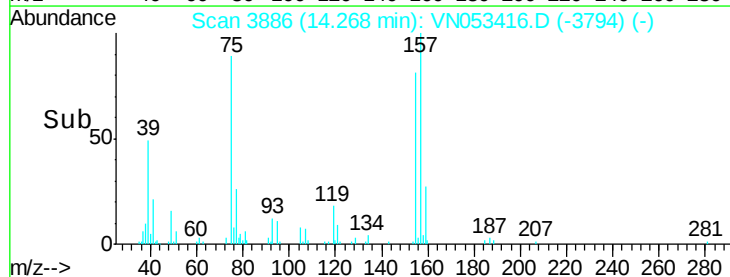
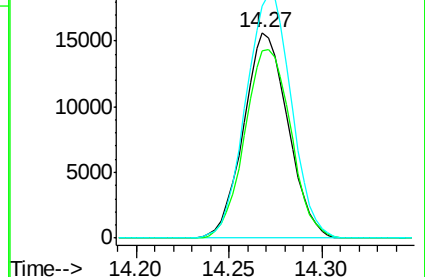
157 121.4 63.7 191.3

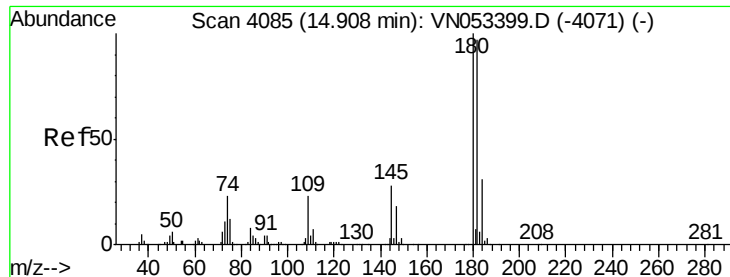


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

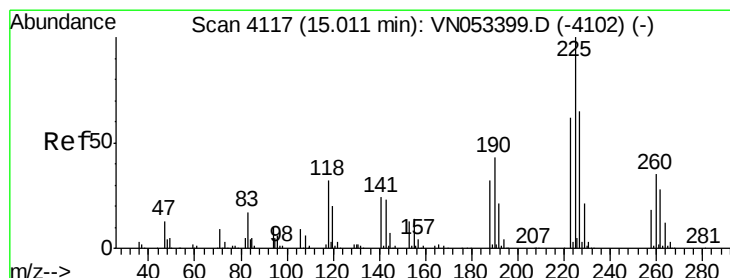
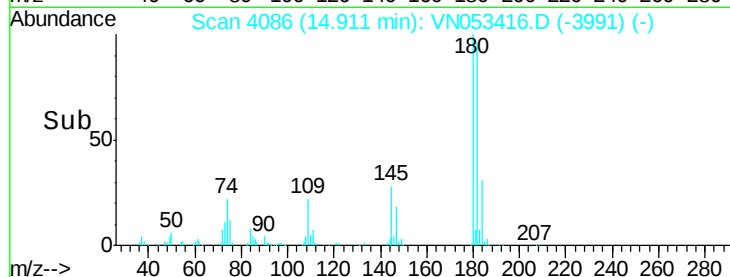
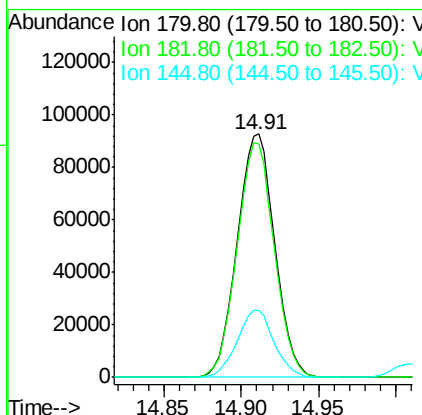
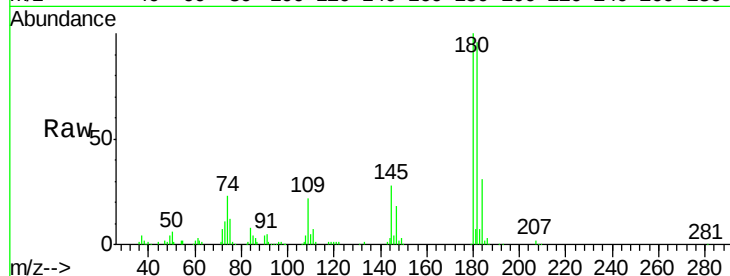




#93
 1,2,4-Trichlorobenzene
 Concen: 22.630 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

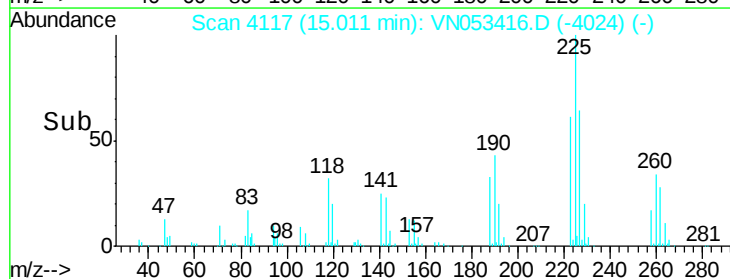
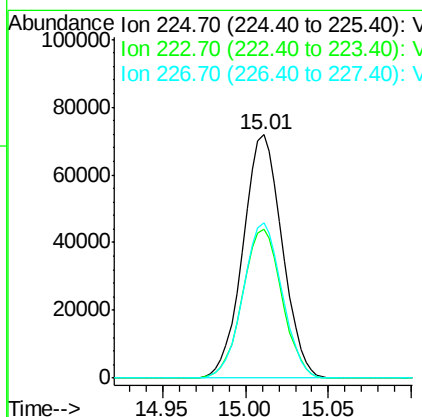
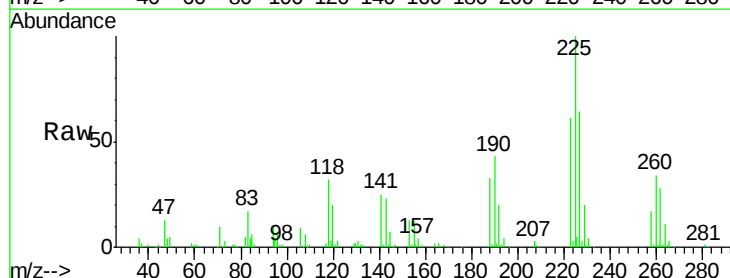
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

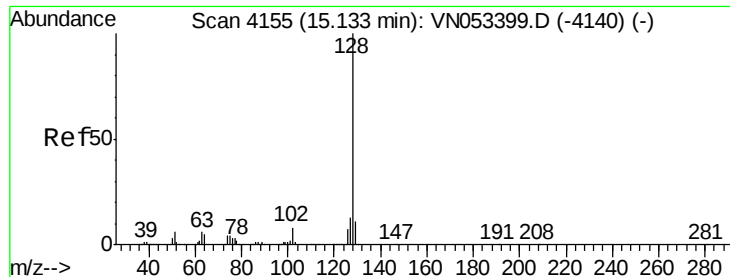
Tot Ion:180 Resp: 156382
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.1 144.3
 145 27.2 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 22.474 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion:225 Resp: 118170
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.2
 227 63.4 32.0 96.2





#95

Naphthalene

Concen: 23.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

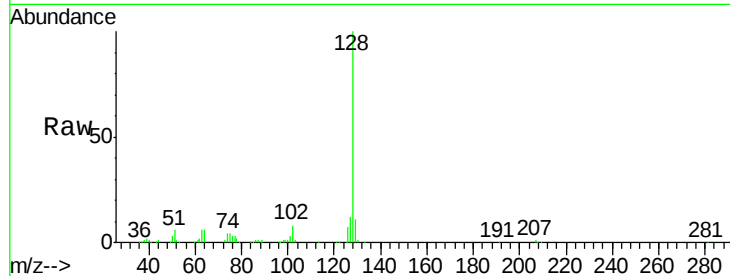
Tot Ion:128 Resp: 274532

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

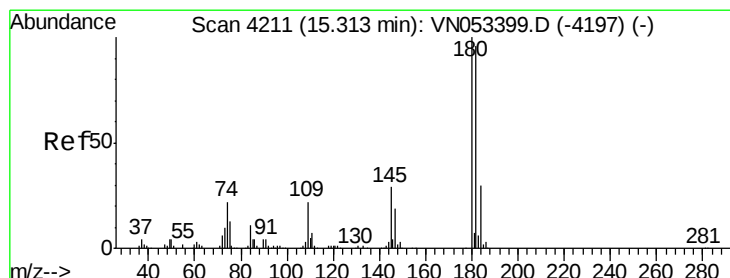
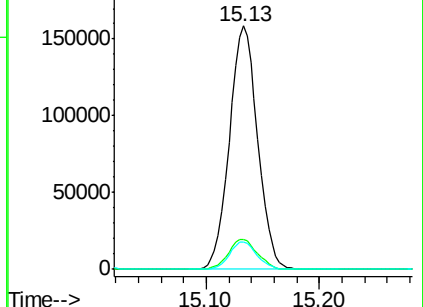
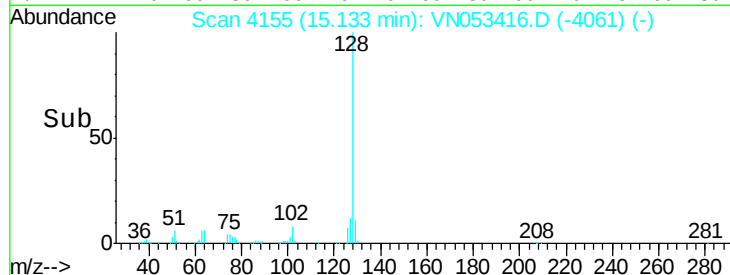
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.849 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

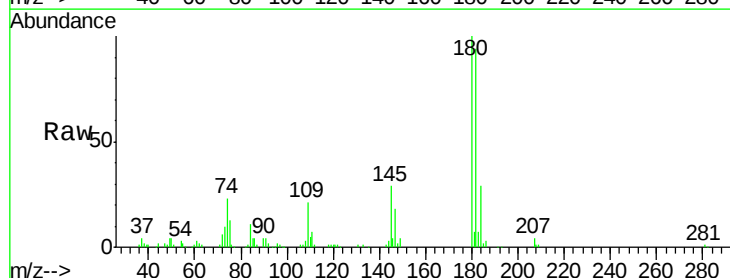
Tgt Ion:180 Resp: 117731

Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.8

145 29.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

