

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053415.D
 Acq On : 16 Jan 2019 10:48
 Operator : JC/SP
 Sample : VN0116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

Quant Time: Jan 17 03:52:32 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	774849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1044131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	518630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	395509	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	349617	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.09	98	1414103	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	489797	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127804	20.515	ug/l	99
3) Chloromethane	2.06	50	178961	20.092	ug/l	98
4) Vinyl Chloride	2.19	62	173780	20.240	ug/l	99
5) Bromomethane	2.57	94	118186	20.061	ug/l	96
6) Chloroethane	2.71	64	104368	20.105	ug/l	96
7) Trichlorofluoromethane	3.02	101	235933	21.008	ug/l	100
8) Diethyl Ether	3.41	74	90578	21.474	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	148615	20.895	ug/l	100
10) Methyl Iodide	3.96	142	215440	19.822	ug/l	100
11) Tert butyl alcohol	4.77	59	43912	117.176	ug/l	100
12) 1,1-Dichloroethene	3.74	96	141941	20.575	ug/l	98
13) Acrolein	3.61	56	61500	99.190	ug/l	99
14) Allyl chloride	4.33	41	236828	21.135	ug/l	99
15) Acrylonitrile	4.99	53	274116	111.145	ug/l	99
16) Acetone	3.82	43	185614	103.299	ug/l	98
17) Carbon Disulfide	4.06	76	414966	19.891	ug/l	100
18) Methyl Acetate	4.32	43	131165	21.666	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	397202	21.670	ug/l	99
20) Methylene Chloride	4.55	84	166848	20.338	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	152895	20.731	ug/l	99
22) Diisopropyl ether	5.95	45	499877	21.369	ug/l	100
23) Vinyl Acetate	5.90	43	1580153	109.887	ug/l	100
24) 1,1-Dichloroethane	5.85	63	288006	20.826	ug/l	99
25) 2-Butanone	6.83	43	309573	111.801	ug/l	99
26) 2,2-Dichloropropane	6.83	77	216970	20.780	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	177768	21.078	ug/l	99
28) Bromochloromethane	7.19	49	117678	19.316	ug/l	99
29) Tetrahydrofuran	7.21	42	203466	112.873	ug/l	99
30) Chloroform	7.37	83	287179	21.314	ug/l	95
31) Cyclohexane	7.65	56	279625	20.646	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	238460	20.864	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216528	20.497	ug/l	99
37) Ethyl Acetate	6.93	43	136924	22.529	ug/l	99
38) Carbon Tetrachloride	7.78	117	204571	20.455	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	267399	20.480	ug/l	99
40) Benzene	8.04	78	668999	20.840	ug/l	99
41) Methacrylonitrile	7.17	41	73867	20.848	ug/l	95
42) 1,2-Dichloroethane	8.12	62	204165	21.831	ug/l	99
43) Isopropyl Acetate	8.16	43	245300	22.446	ug/l	99
44) Trichloroethene	8.84	130	187629	21.077	ug/l	99
45) 1,2-Dichloropropane	9.12	63	176510	20.759	ug/l	100
46) Dibromomethane	9.21	93	103704	21.229	ug/l	99
47) Bromodichloromethane	9.40	83	212203	20.656	ug/l	98
48) Methyl methacrylate	9.20	41	120014	21.269	ug/l	99
49) 1,4-Dioxane	9.20	88	25138	456.171	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	681852	114.295	ug/l	100
52) Toluene	10.16	92	413912	20.769	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	218560	20.989	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	255601	20.939	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	147151	21.417	ug/l	98
56) Ethyl methacrylate	10.43	69	188619	20.605	ug/l	99
57) 1,3-Dichloropropane	10.71	76	252797	21.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	492301	102.418	ug/l	99
59) 2-Hexanone	10.75	43	471914	112.686	ug/l	100
60) Dibromochloromethane	10.90	129	161774	20.759	ug/l	99
61) 1,2-Dibromoethane	11.00	107	149196	21.470	ug/l	99
64) Tetrachloroethene	10.63	164	208098	21.149	ug/l	98
65) Chlorobenzene	11.43	112	455458	20.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162162	21.091	ug/l	98
67) Ethyl Benzene	11.51	91	778179	20.661	ug/l	100
68) m/p-Xylenes	11.62	106	605180	42.556	ug/l	99
69) o-Xylene	11.95	106	292244	21.149	ug/l	100
70) Styrene	11.96	104	479902	21.399	ug/l	100
71) Bromoform	12.13	173	112345	21.225	ug/l #	99
73) Isopropylbenzene	12.25	105	775165	20.410	ug/l	100
74) N-amyl acetate	12.07	43	214995	21.235	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	166974	20.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	228988	33.504	ug/l #	100
77) Bromobenzene	12.53	156	204076	20.392	ug/l	99
78) n-propylbenzene	12.59	91	895647	20.544	ug/l	100
79) 2-Chlorotoluene	12.67	91	533785	20.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	645346	20.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50775	20.382	ug/l	96
82) 4-Chlorotoluene	12.77	91	540988	20.529	ug/l	99
83) tert-Butylbenzene	12.99	119	565353	20.714	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	654583	21.009	ug/l	100
85) sec-Butylbenzene	13.17	105	768153	20.522	ug/l	100
86) p-Isopropyltoluene	13.29	119	675254	20.777	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	365768	20.778	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	360481	20.414	ug/l	99
89) n-Butylbenzene	13.62	91	568439	20.519	ug/l	99
90) Hexachloroethane	13.88	117	102239	20.058	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	348855	21.540	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24155	23.916	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

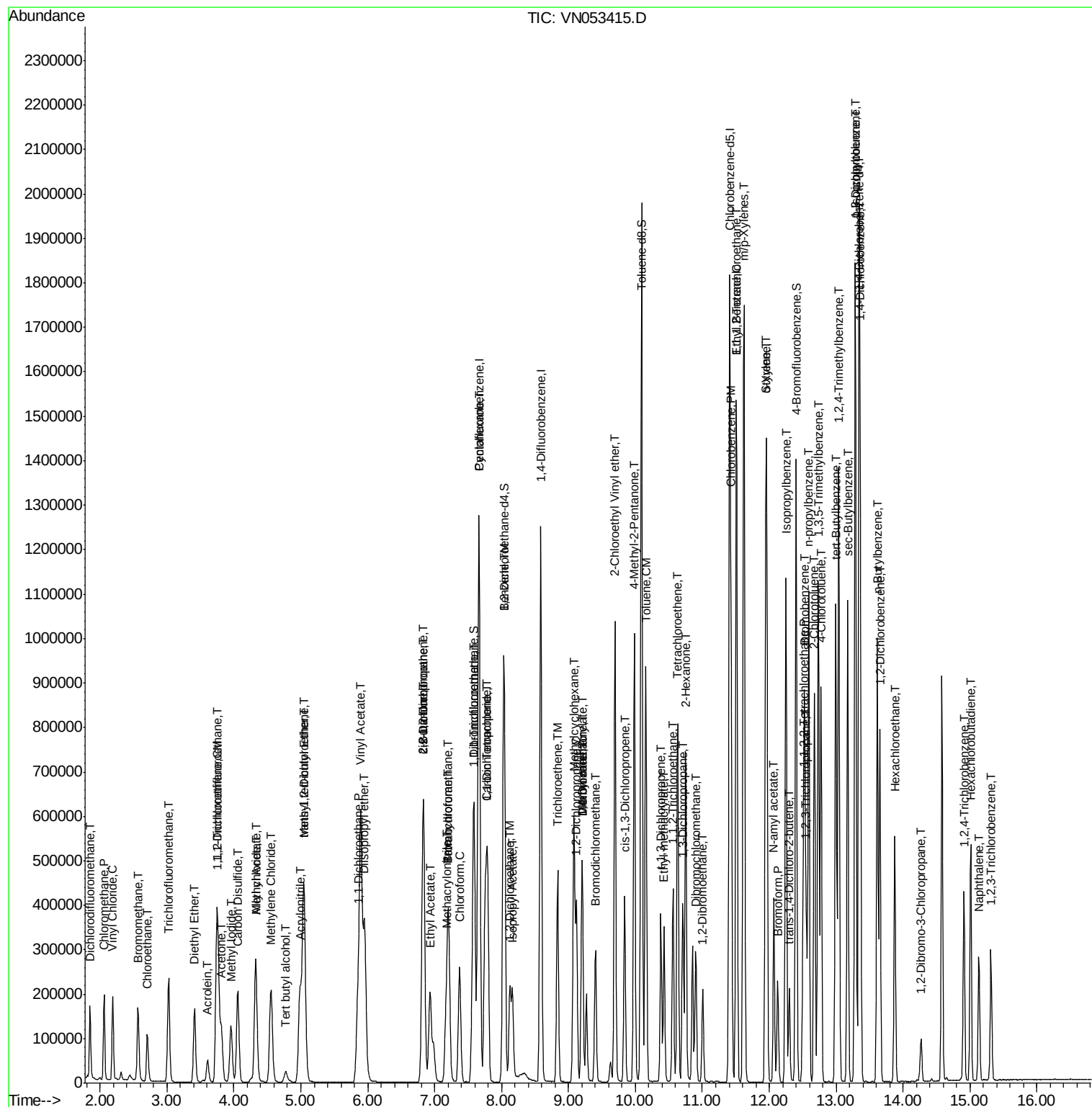
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149748	22.563	ug/l	99
94) Hexachlorobutadiene	15.01	225	113080	22.382	ug/l	99
95) Naphthalene	15.13	128	252025	22.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109113	23.142	ug/l	100

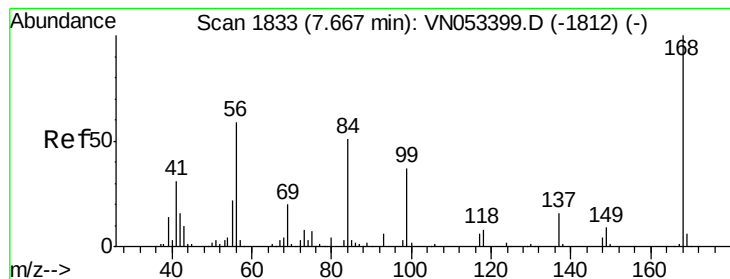
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

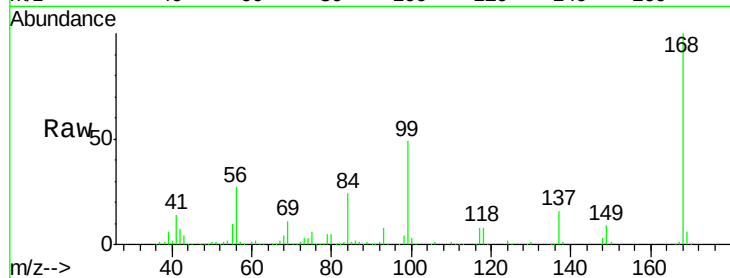
VN0116WBS01

Tot Ion:168 Resp: 774849

Ion Ratio Lower Upper

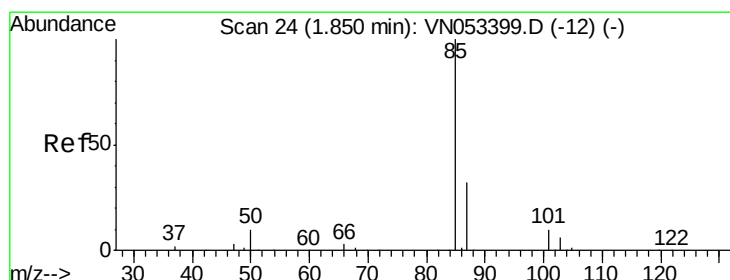
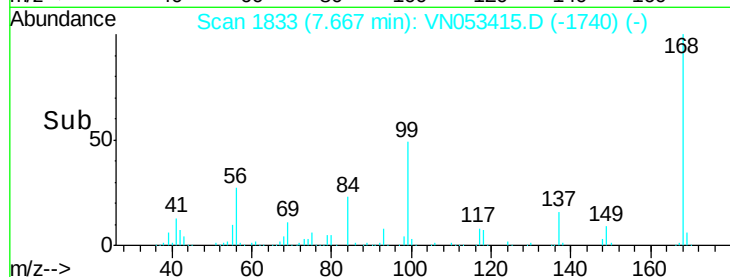
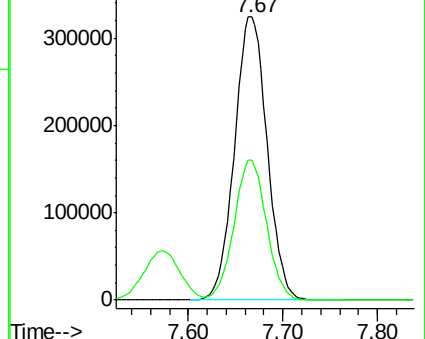
168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.515 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053415.D

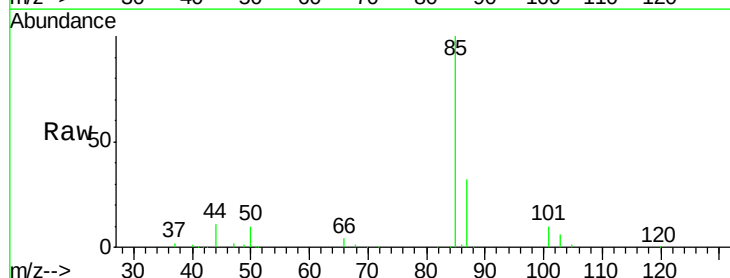
Acq: 16 Jan 2019 10:48

Tgt Ion: 85 Resp: 127804

Ion Ratio Lower Upper

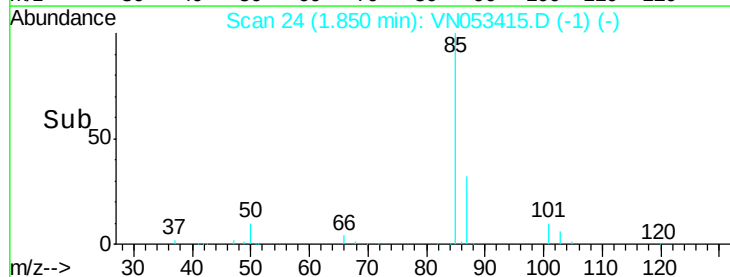
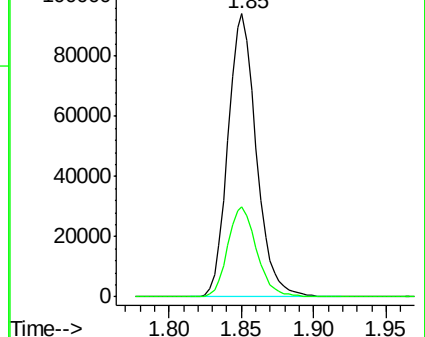
85 100

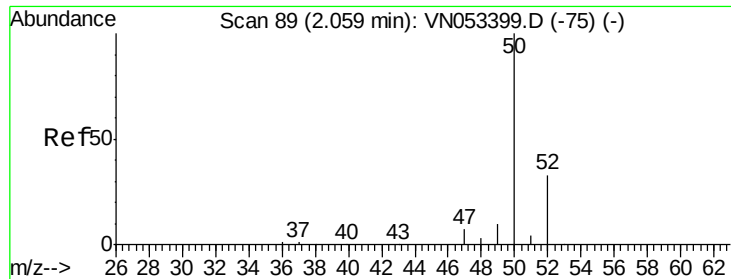
87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

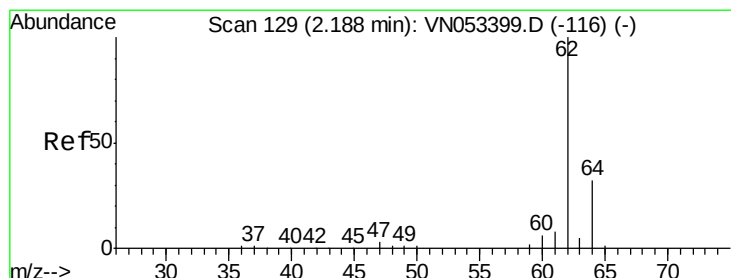
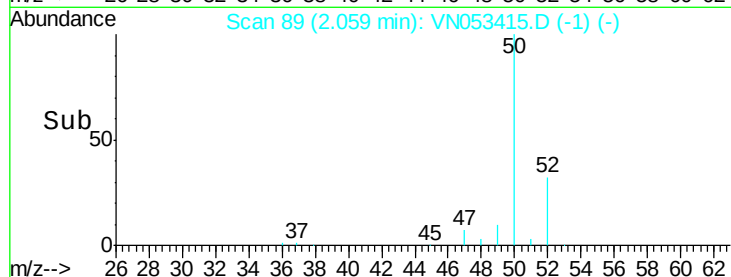
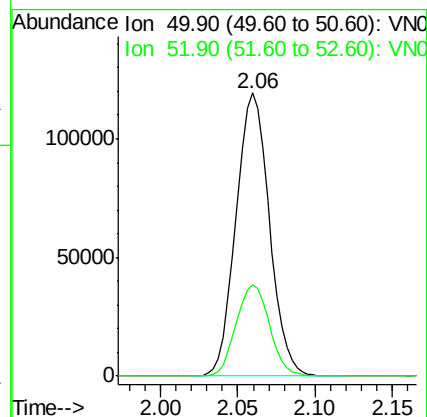
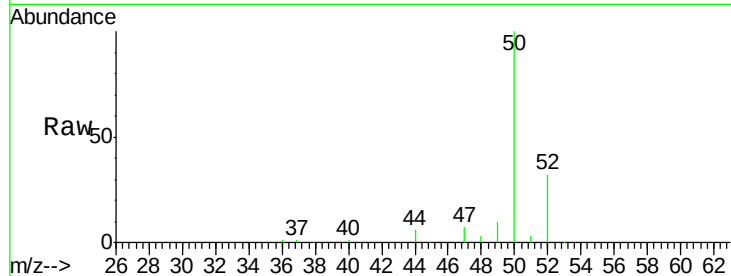
VN0116WBS01

Tot Ion: 50 Resp: 178961

Ion Ratio Lower Upper

50 100

52 32.3 26.6 40.0



#4

Vinyl Chloride

Concen: 20.240 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053415.D

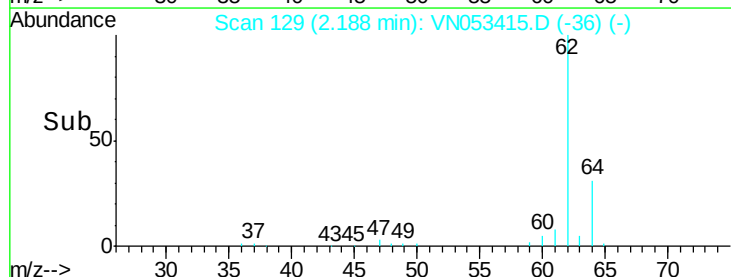
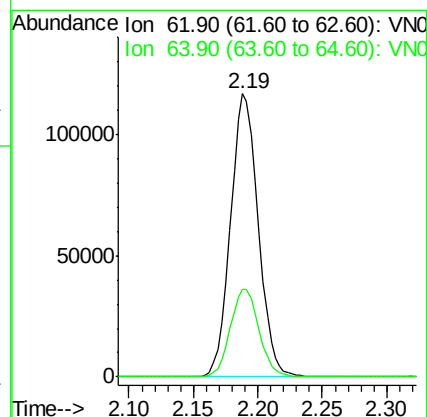
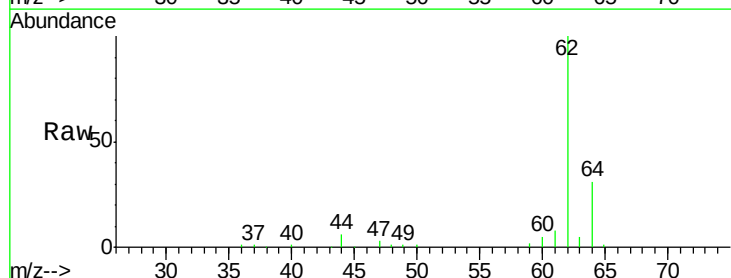
Acq: 16 Jan 2019 10:48

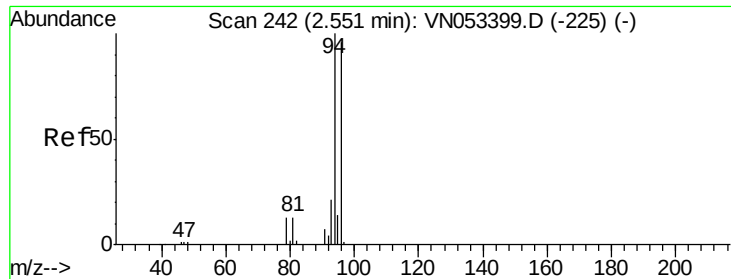
Tgt Ion: 62 Resp: 173780

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 20.061 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

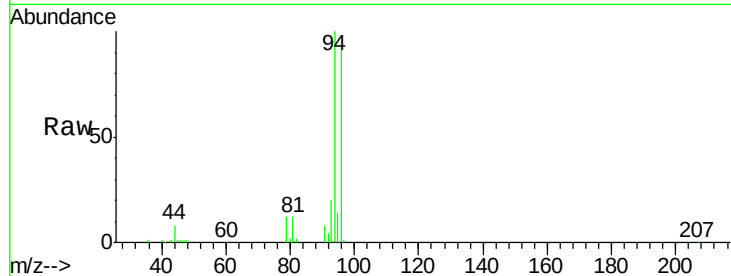
VN0116WBS01

Tot Ion: 94 Resp: 118186

Ion Ratio Lower Upper

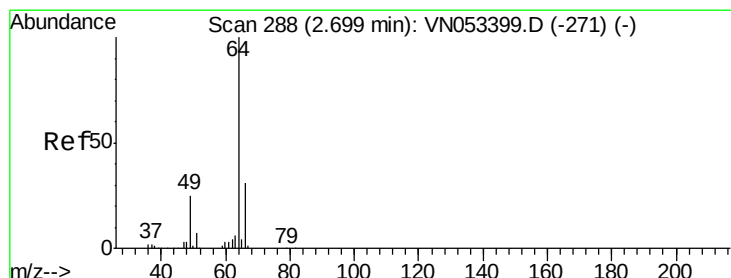
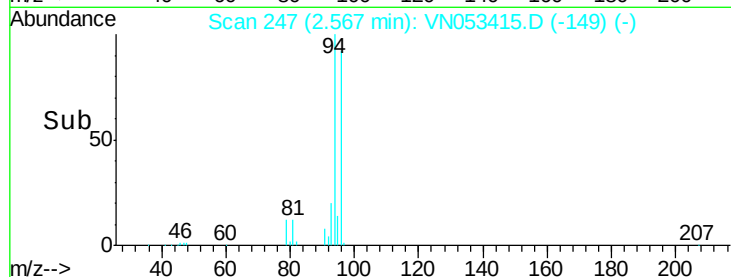
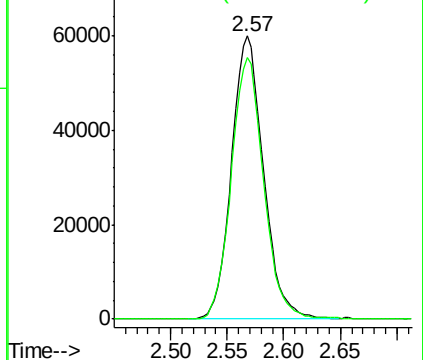
94 100

96 92.3 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.105 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053415.D

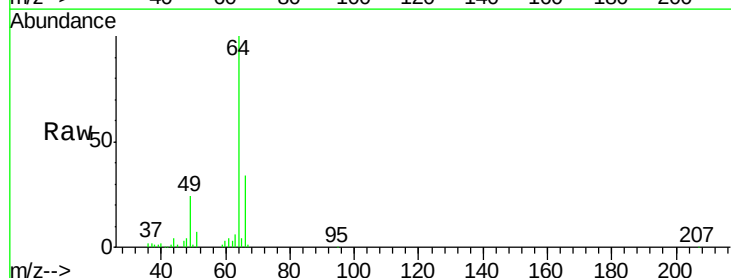
Acq: 16 Jan 2019 10:48

Tgt Ion: 64 Resp: 104368

Ion Ratio Lower Upper

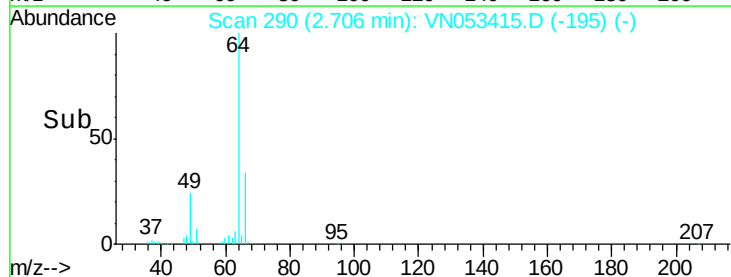
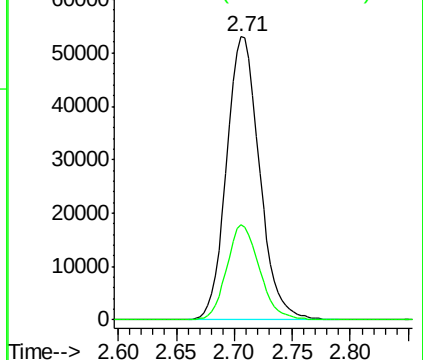
64 100

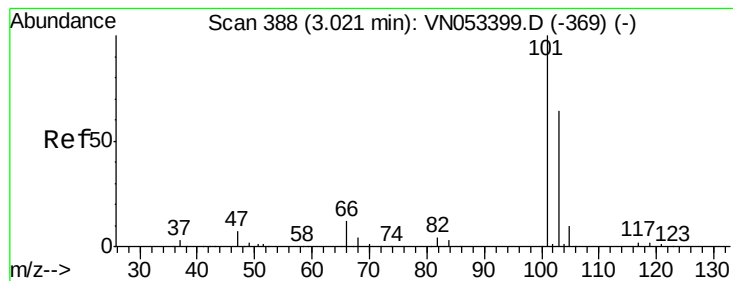
66 33.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



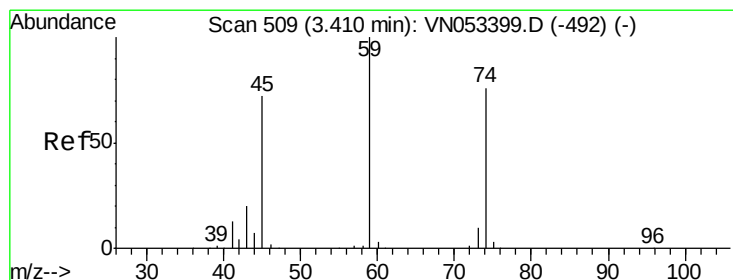
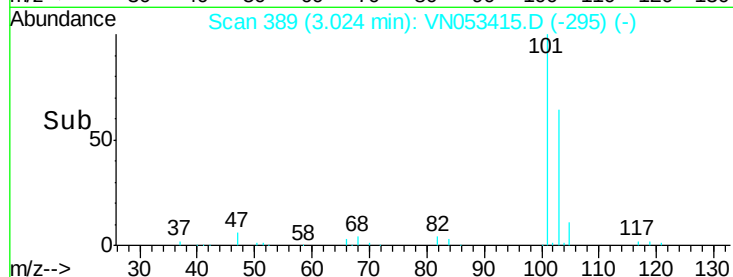
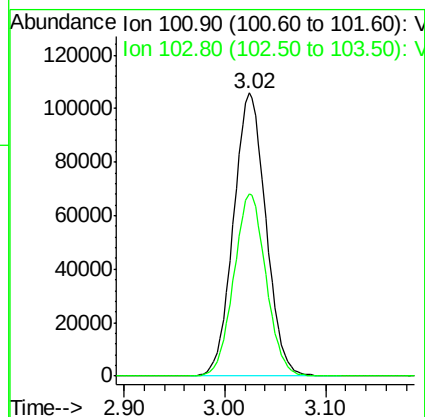
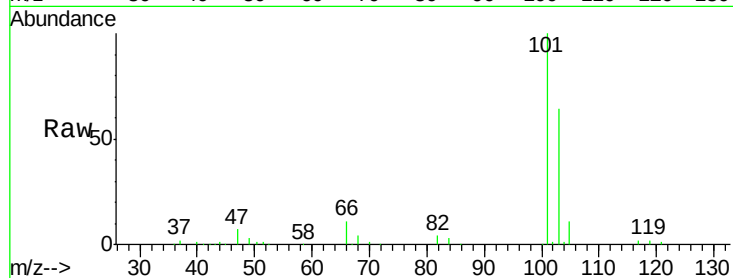


#7

Trichlorofluoromethane
Concen: 21.008 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
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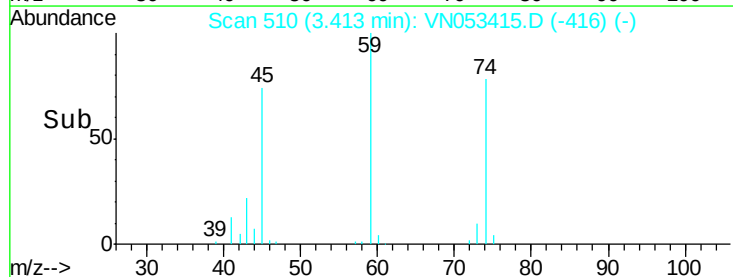
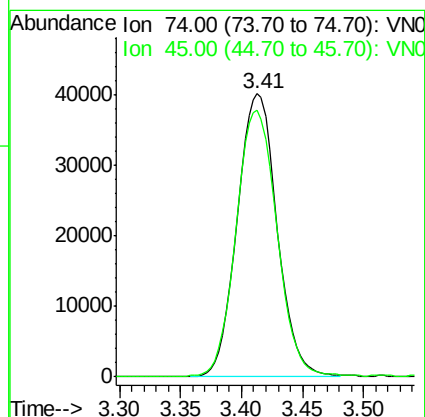
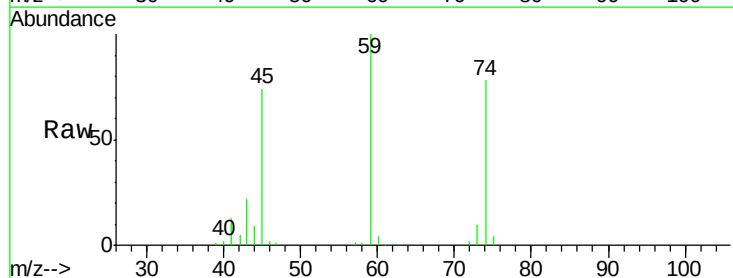
Tot Ion:101 Resp: 235933
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4

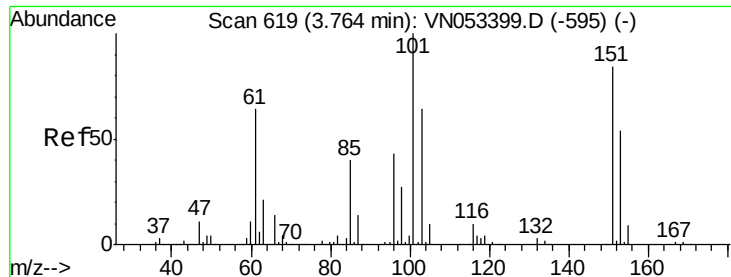


#8

Diethyl Ether
Concen: 21.474 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 74 Resp: 90578
Ion Ratio Lower Upper
74 100
45 97.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.895 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

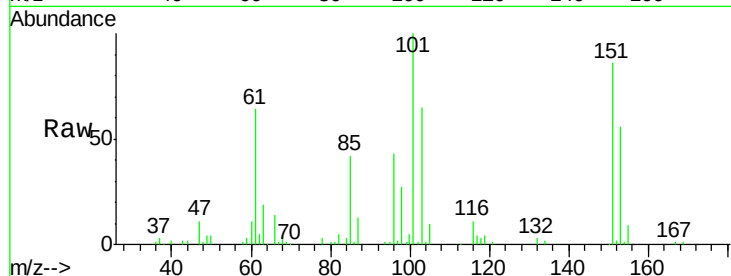
Tot Ion:101 Resp: 148615

Ion Ratio Lower Upper

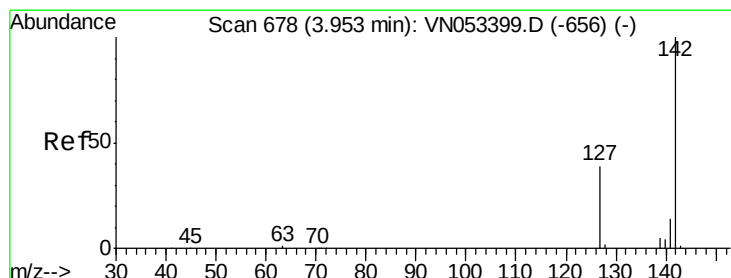
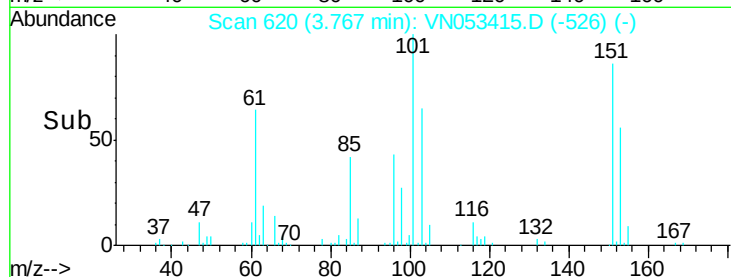
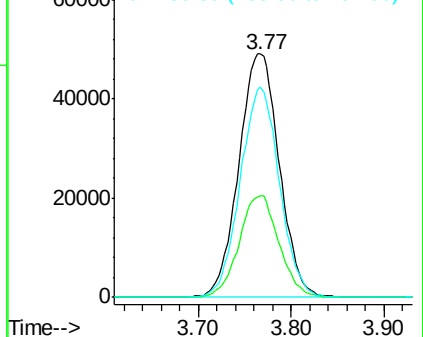
101 100

85 41.0 32.8 49.2

151 83.5 66.9 100.3



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



#10

Methyl Iodide

Concen: 19.822 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

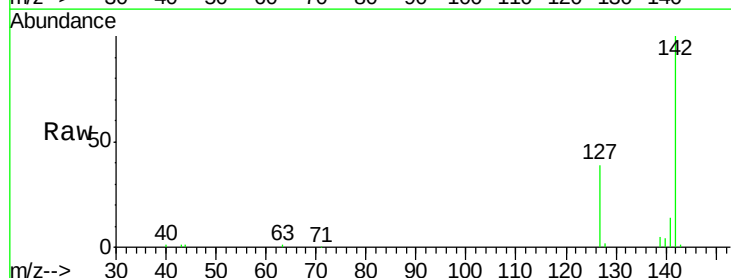
Tgt Ion:142 Resp: 215440

Ion Ratio Lower Upper

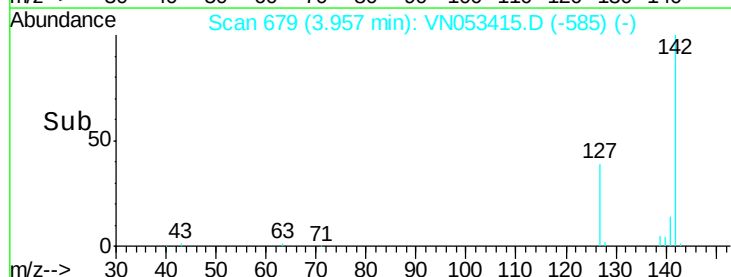
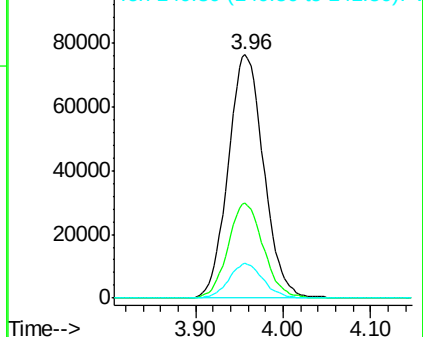
142 100

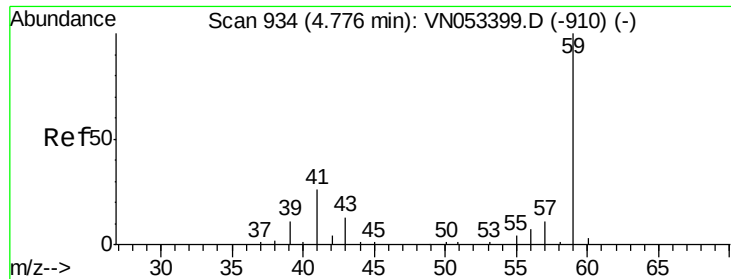
127 38.7 31.0 46.4

141 13.8 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



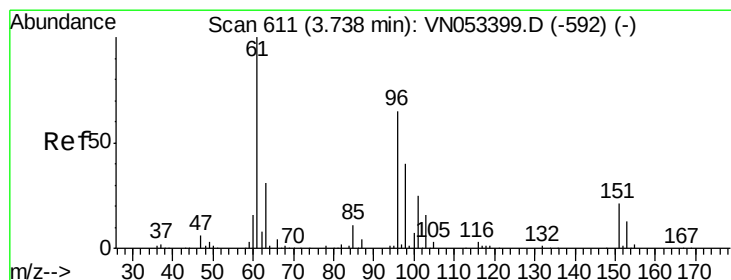
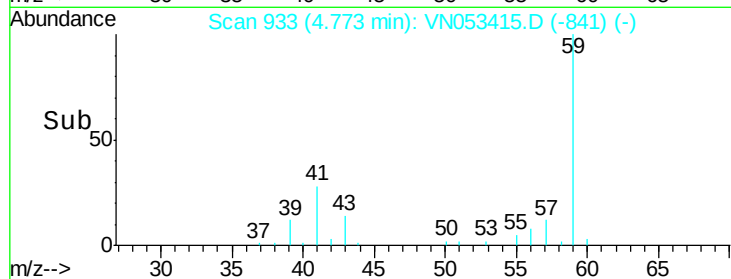
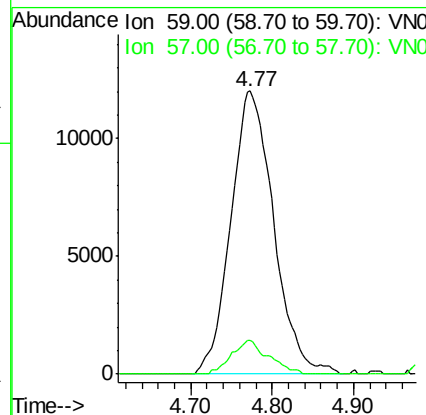
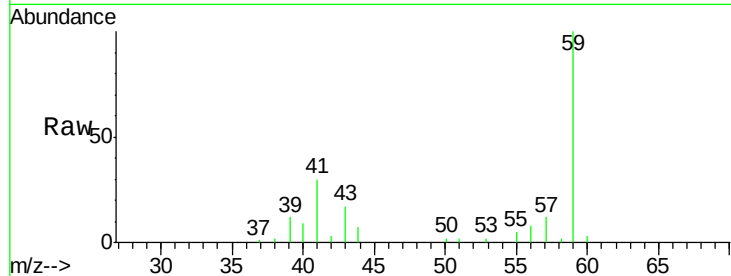


#11

Tert butyl alcohol
Concen: 117.176 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

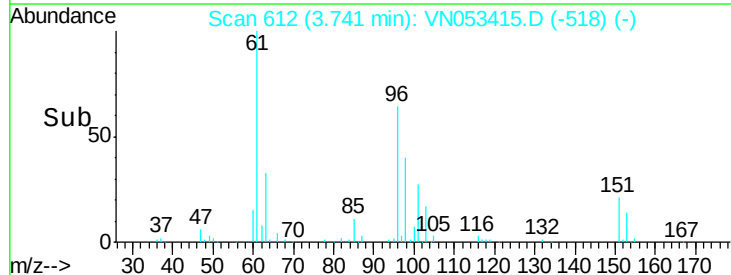
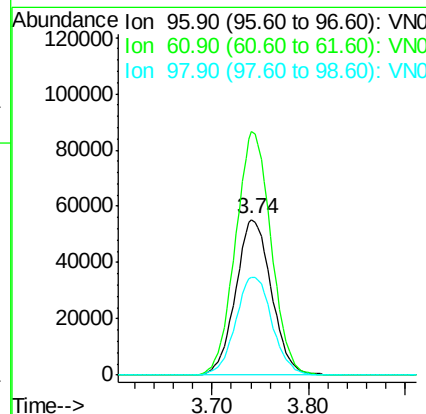
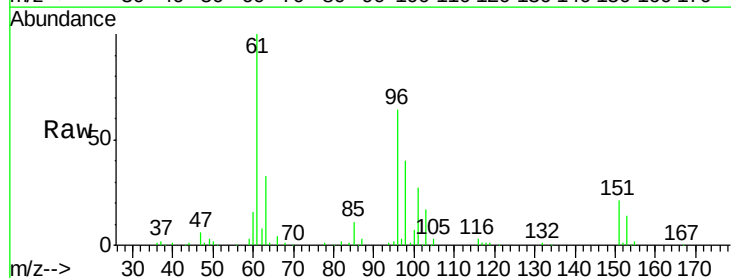
Tot Ion: 59 Resp: 43912
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

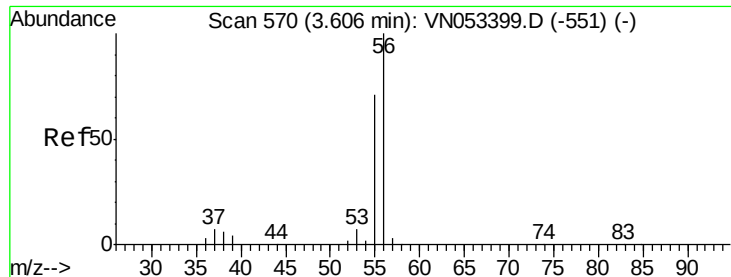


#12

1,1-Dichloroethene
Concen: 20.575 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 96 Resp: 141941
Ion Ratio Lower Upper
96 100
61 156.8 122.9 184.3
98 63.2 49.4 74.0





#13

Acrolein

Concen: 99.190 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

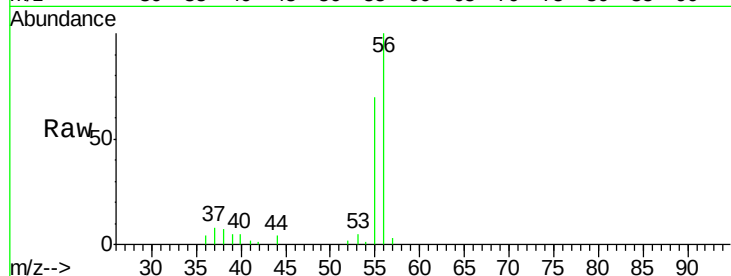
VN0116WBS01

Tot Ion: 56 Resp: 61500

Ion Ratio Lower Upper

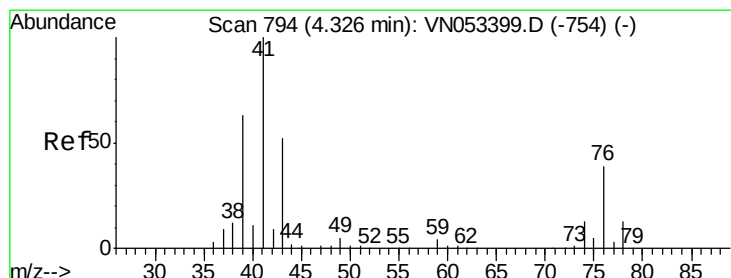
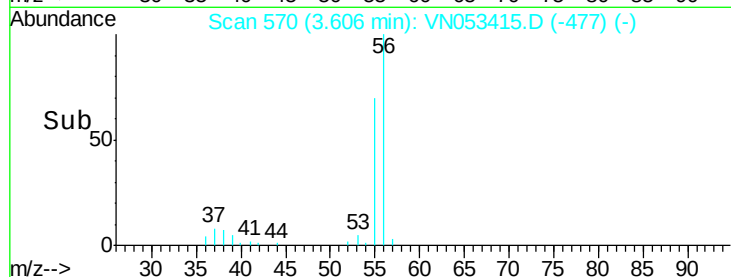
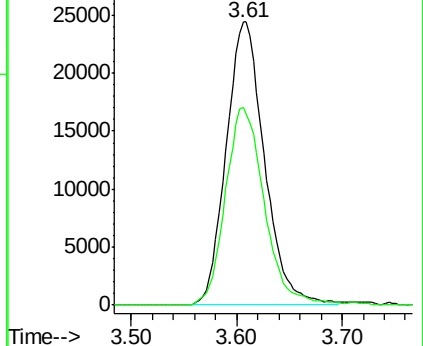
56 100

55 70.7 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.135 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

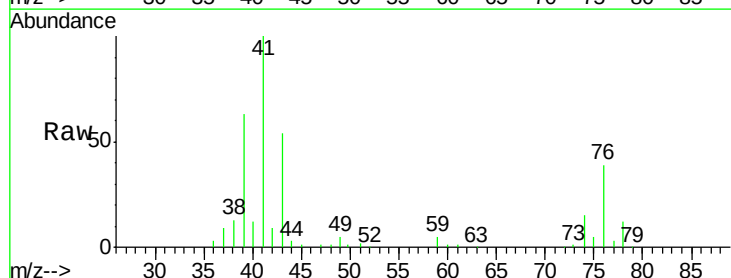
Tgt Ion: 41 Resp: 236828

Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

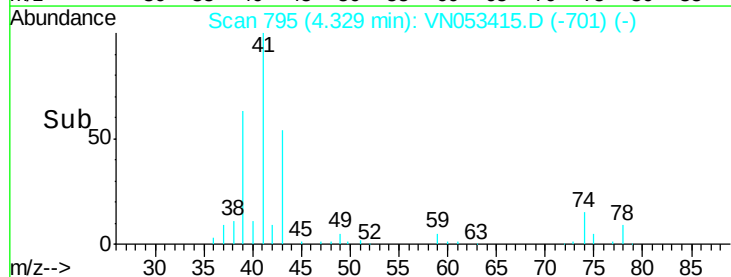
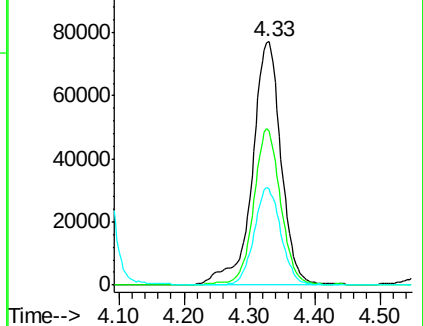
76 37.1 29.4 44.2

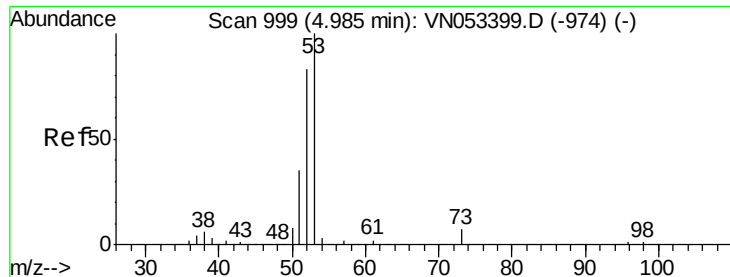


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.145 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

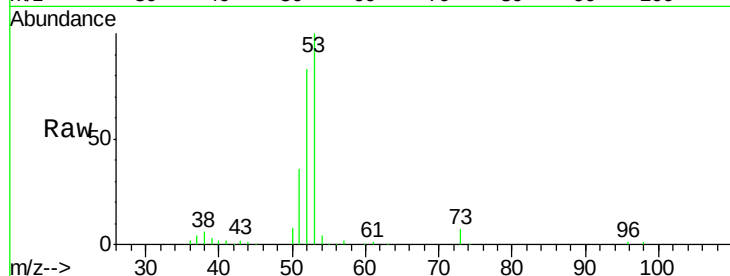
Tot Ion: 53 Resp: 274116

Ion Ratio Lower Upper

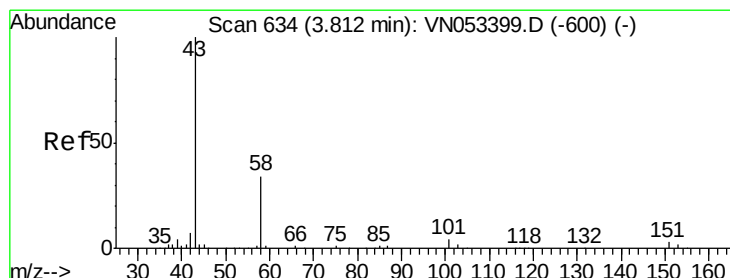
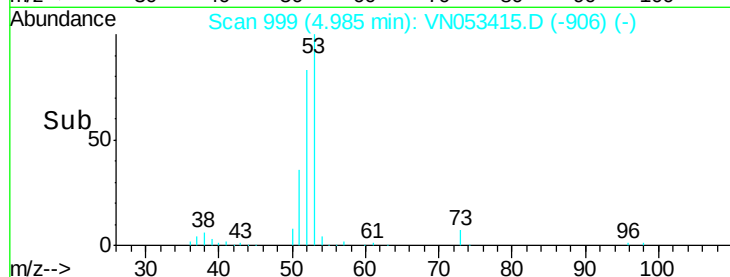
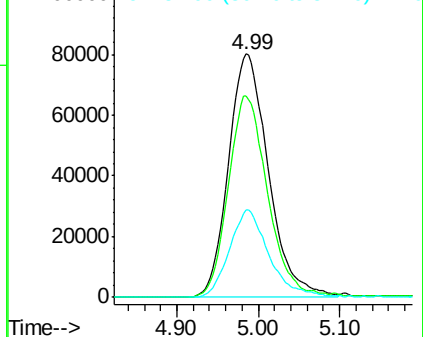
53 100

52 81.2 66.0 99.0

51 35.6 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: 103.299 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053415.D

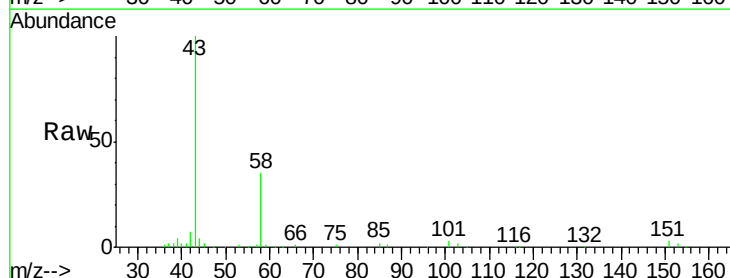
Acq: 16 Jan 2019 10:48

Tgt Ion: 43 Resp: 185614

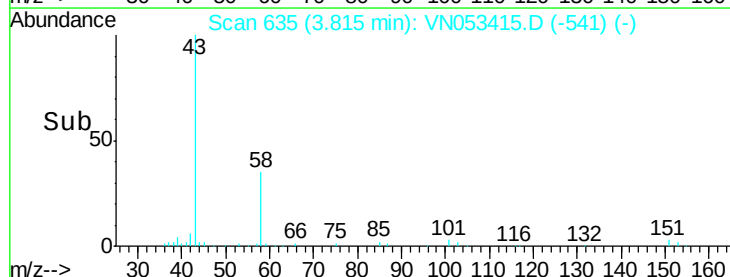
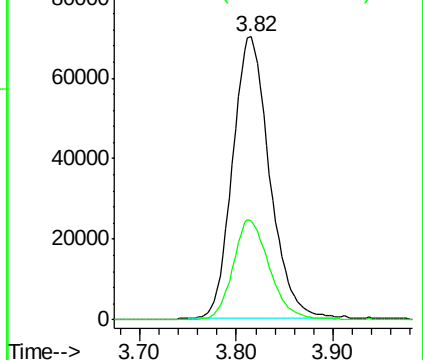
Ion Ratio Lower Upper

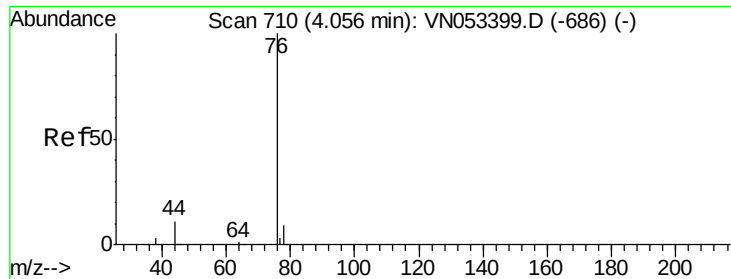
43 100

58 35.2 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.891 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

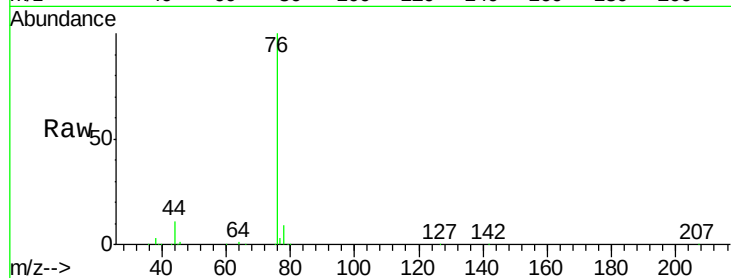
VN0116WBS01

Tot Ion: 76 Resp: 414966

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

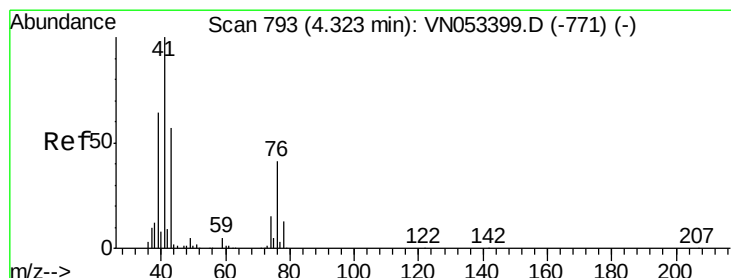
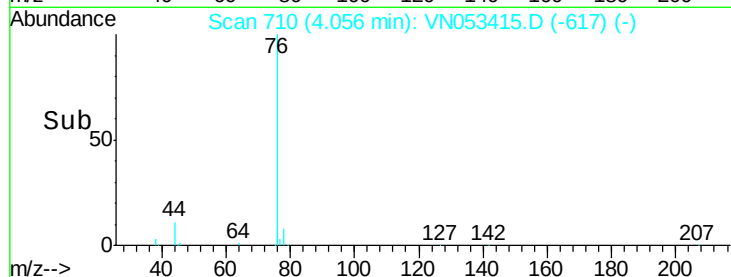
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.666 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053415.D

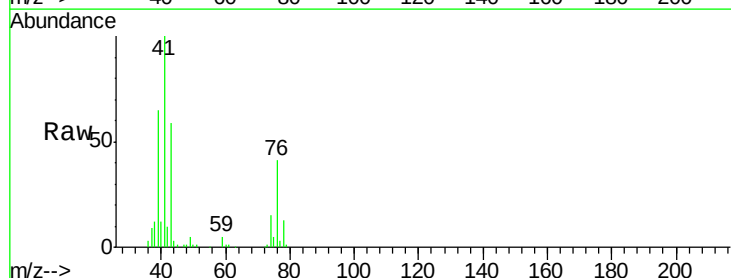
Acq: 16 Jan 2019 10:48

Tgt Ion: 43 Resp: 131165

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

50000

40000

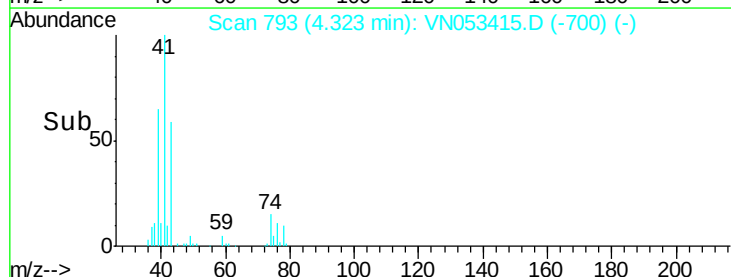
30000

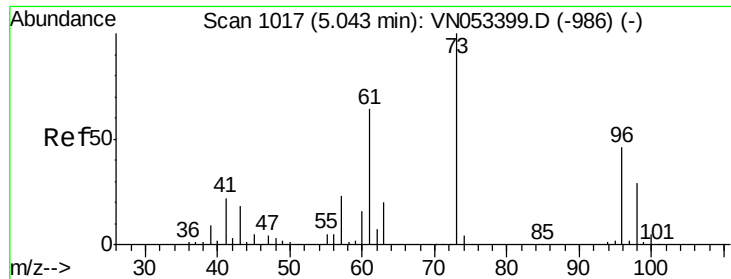
20000

10000

0

Time-->

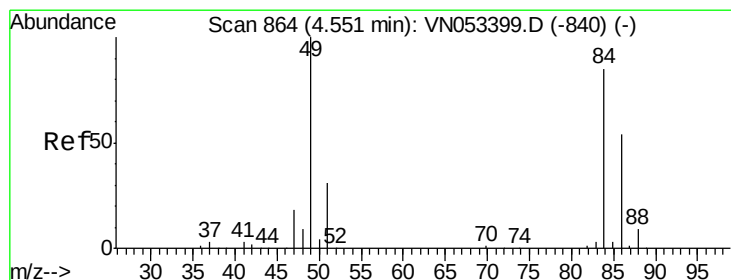
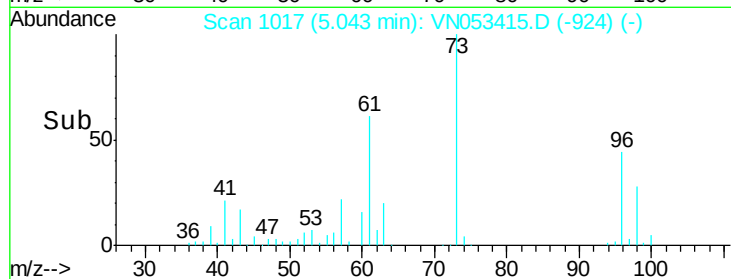
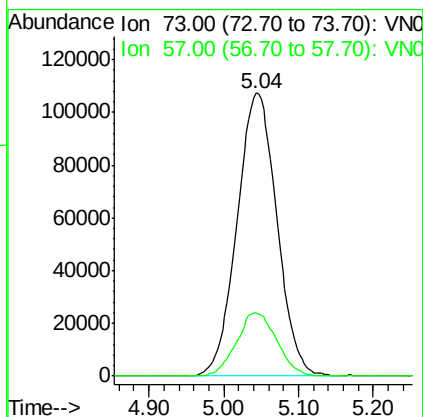
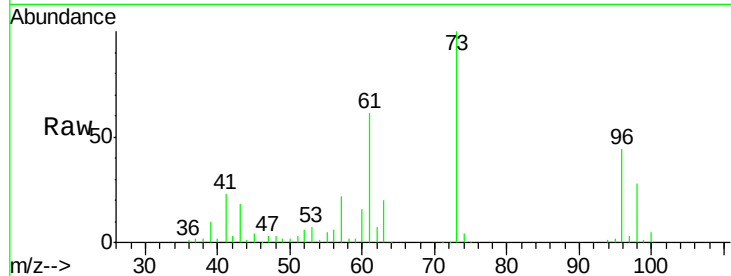




#19
Methyl tert-butyl Ether
Concen: 21.670 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

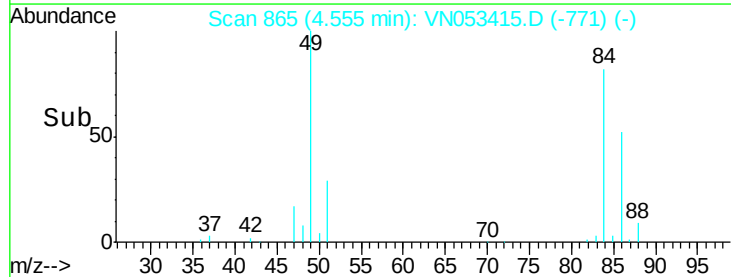
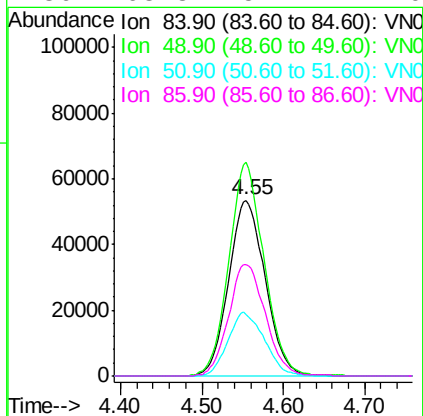
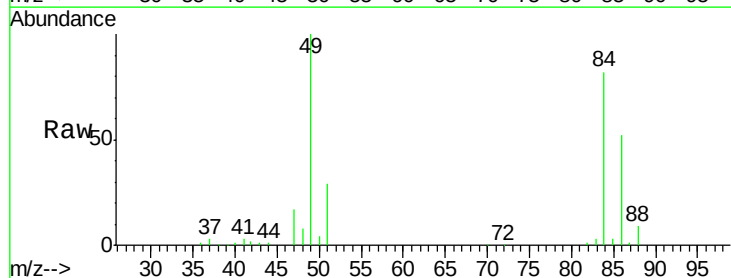
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

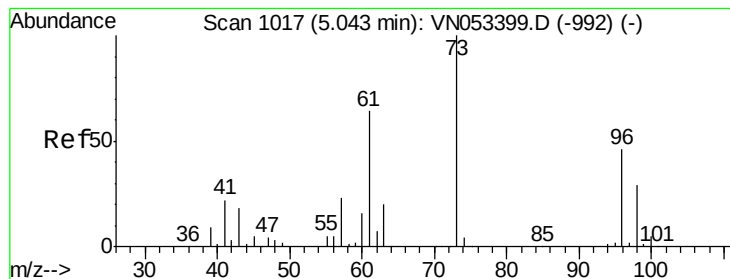
Tot Ion: 73 Resp: 397202
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5



#20
Methylene Chloride
Concen: 20.338 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 84 Resp: 166848
Ion Ratio Lower Upper
84 100
49 121.8 94.3 141.5
51 35.3 29.4 44.2
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.731 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

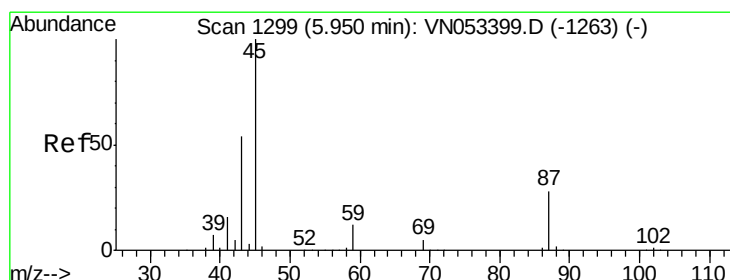
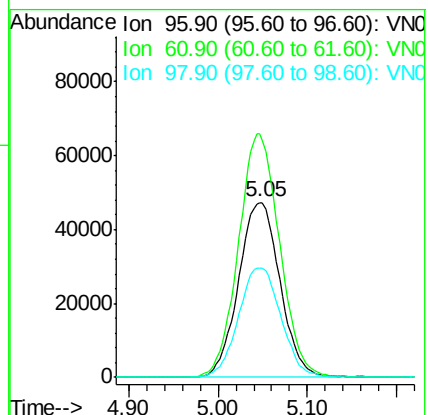
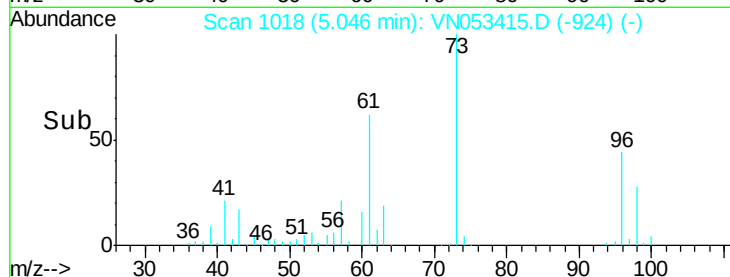
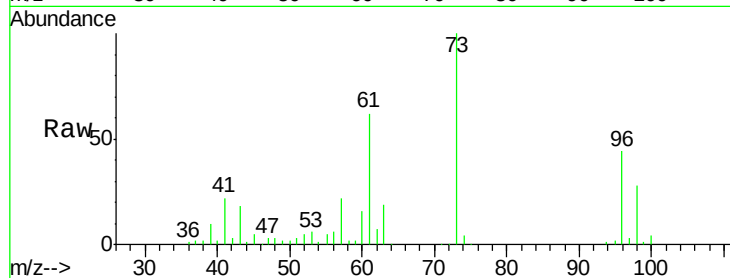
Tot Ion: 96 Resp: 152895

Ion Ratio Lower Upper

96 100

61 139.2 110.1 165.1

98 62.7 50.0 75.0



#22

Diisopropyl ether

Concen: 21.369 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion: 45 Resp: 499877

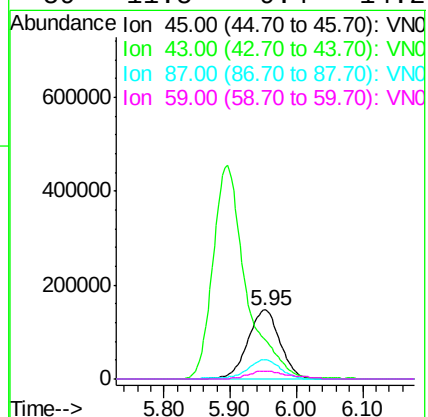
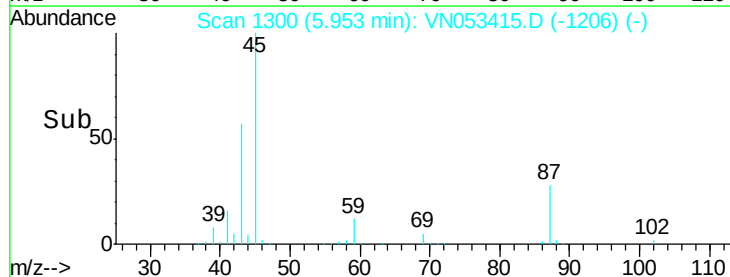
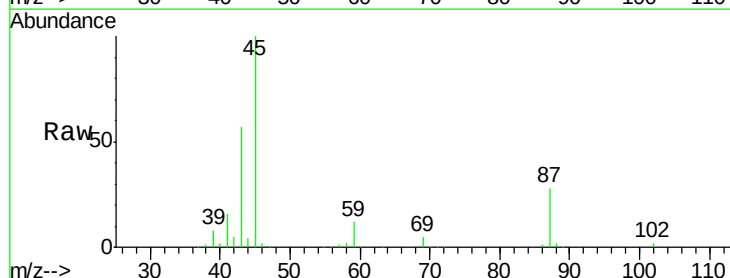
Ion Ratio Lower Upper

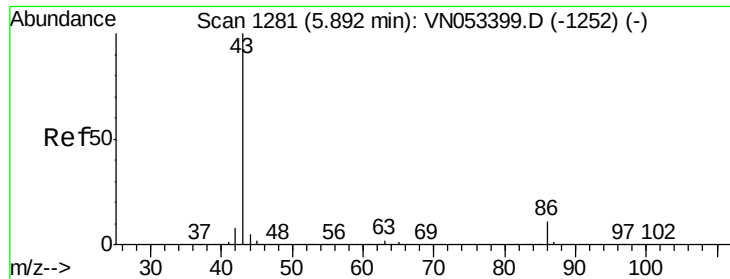
45 100

43 55.5 44.2 66.4

87 28.3 22.7 34.1

59 11.5 9.4 14.2

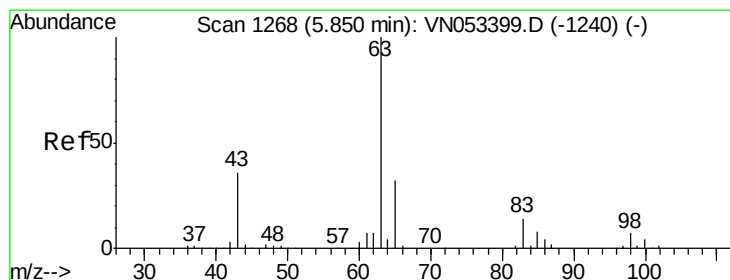
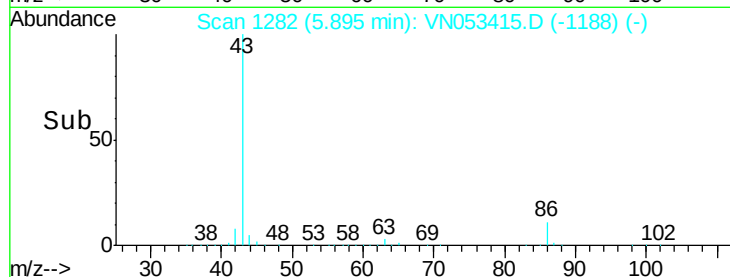
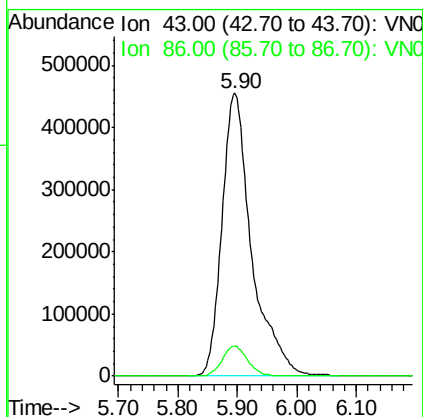
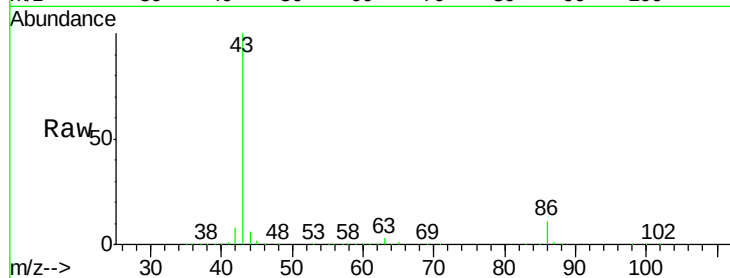




#23
 Vinyl Acetate
 Concen: 109.887 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

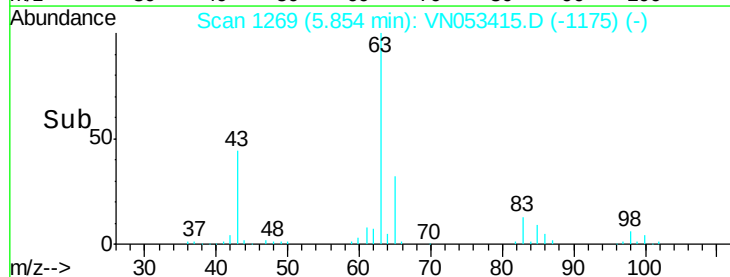
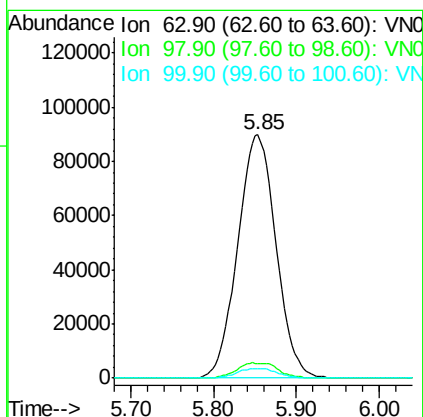
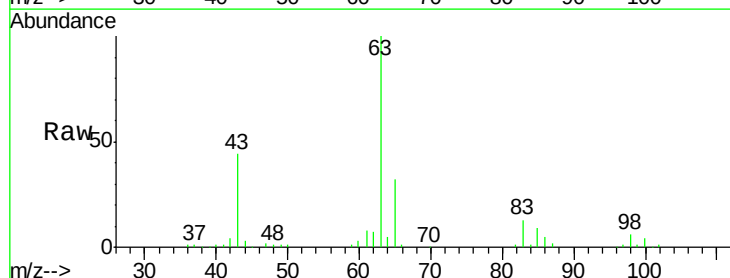
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

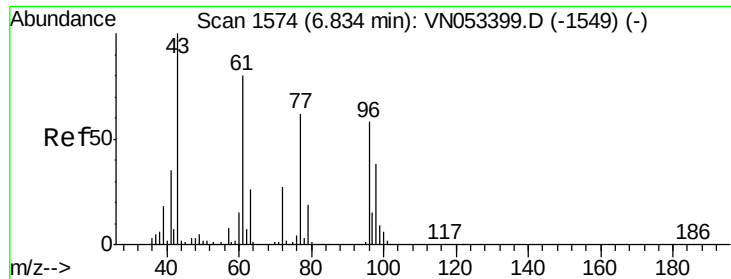
Tot Ion: 43 Resp: 1580153
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 20.826 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 63 Resp: 288006
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 111.801 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

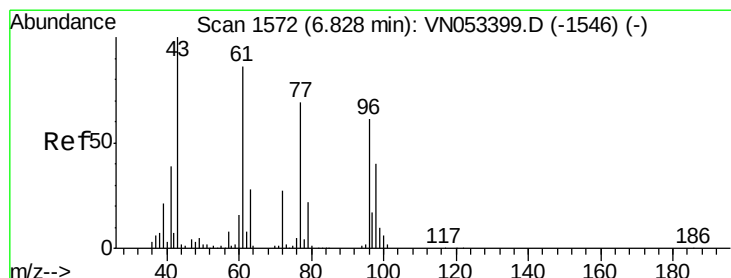
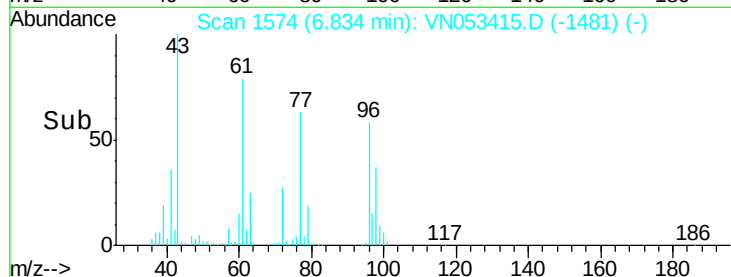
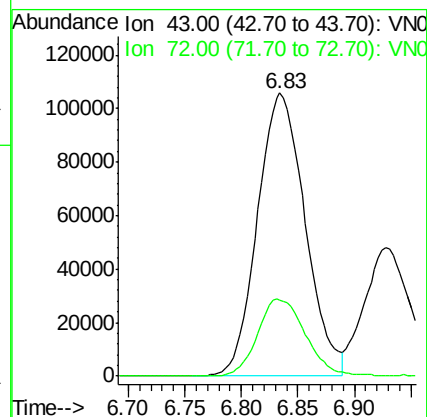
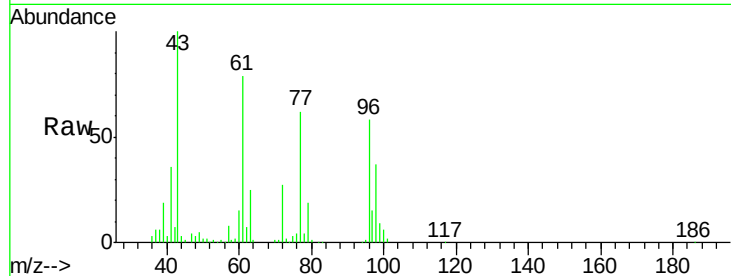
VN0116WBS01

Tot Ion: 43 Resp: 309573

Ion Ratio Lower Upper

43 100

72 26.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.780 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053415.D

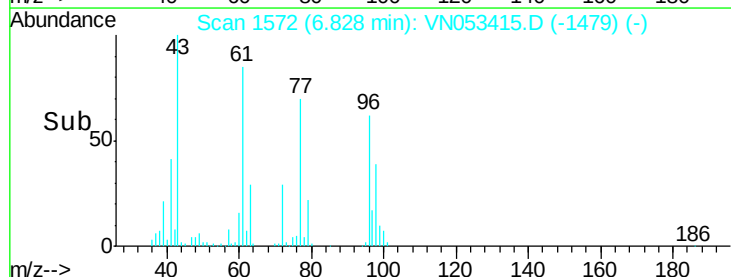
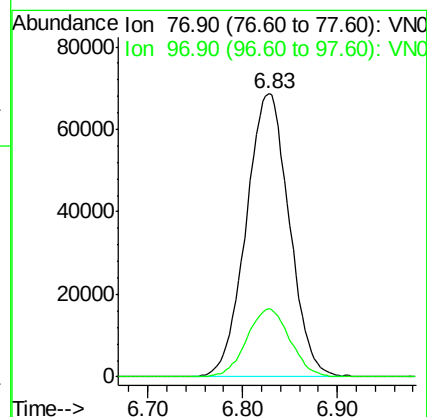
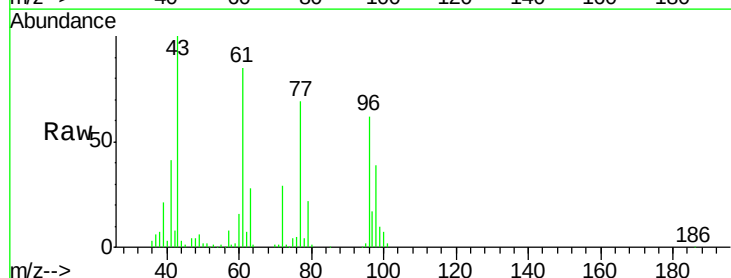
Acq: 16 Jan 2019 10:48

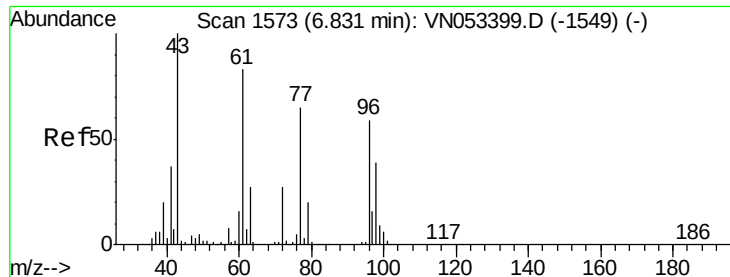
Tgt Ion: 77 Resp: 216970

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.078 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

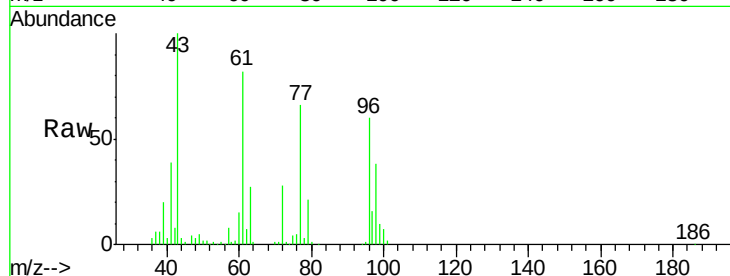
Tot Ion: 96 Resp: 177768

Ion Ratio Lower Upper

96 100

61 140.7 0.0 283.8

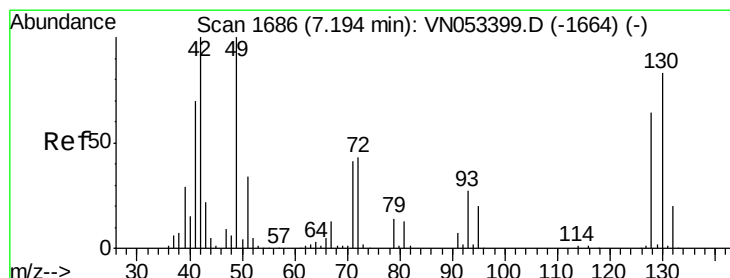
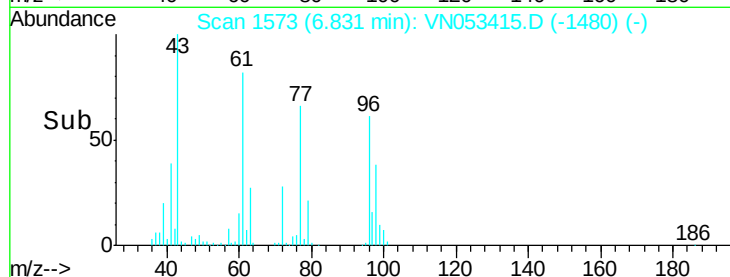
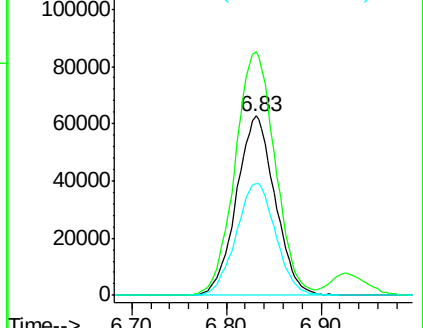
98 63.9 0.0 129.2



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: 19.316 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

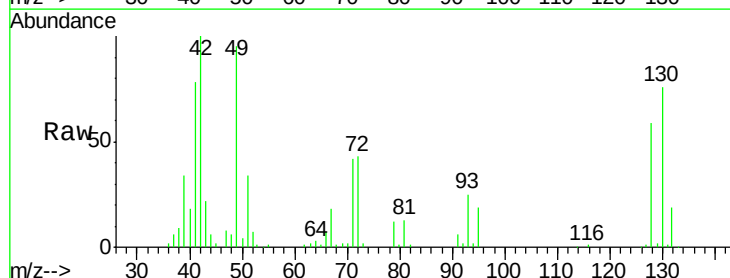
Tgt Ion: 49 Resp: 117678

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.0

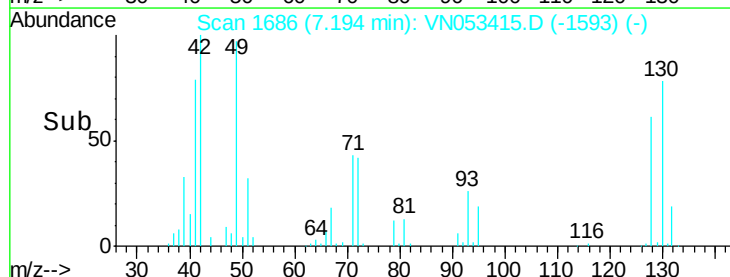
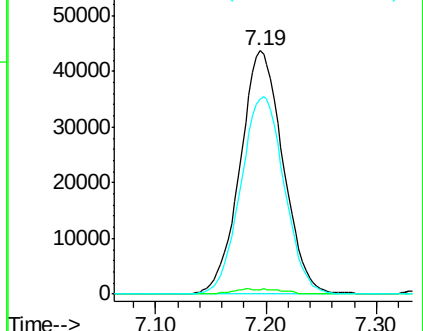
130 82.2 66.3 99.5

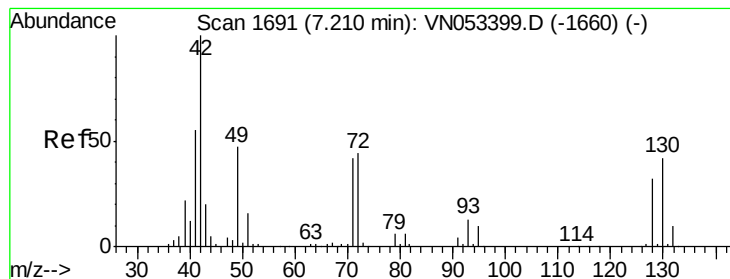


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 112.873 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

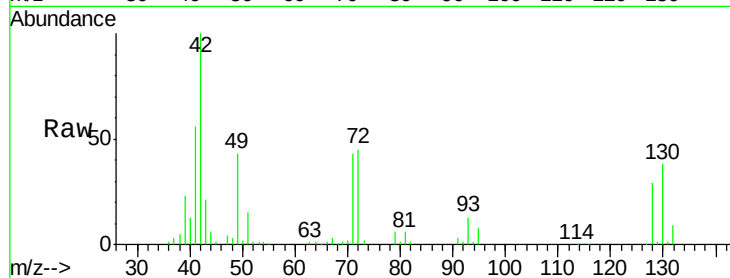
Tot Ion: 42 Resp: 203466

Ion Ratio Lower Upper

42 100

72 44.0 35.2 52.8

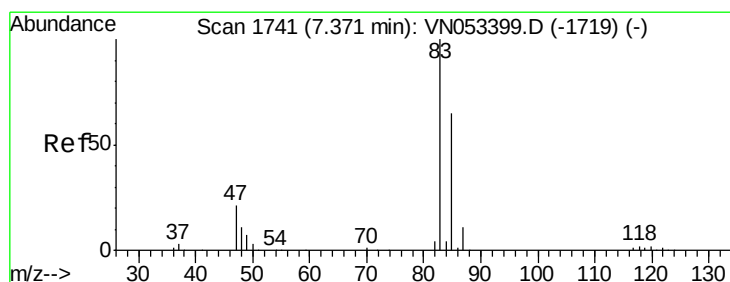
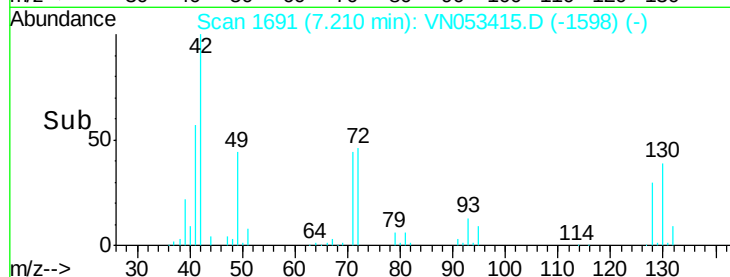
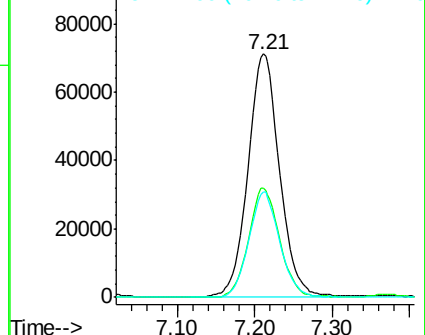
71 42.1 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.314 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053415.D

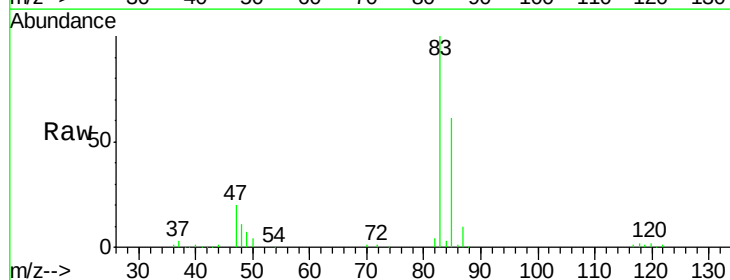
Acq: 16 Jan 2019 10:48

Tgt Ion: 83 Resp: 287179

Ion Ratio Lower Upper

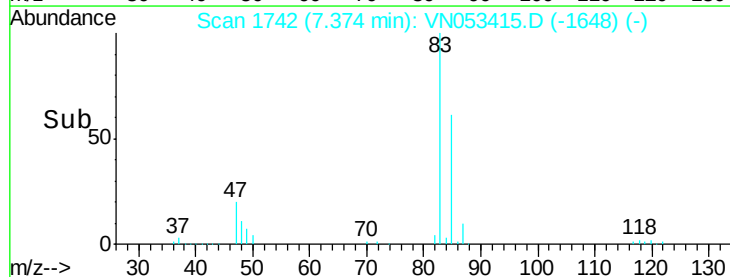
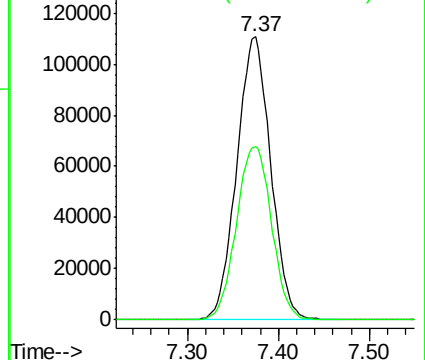
83 100

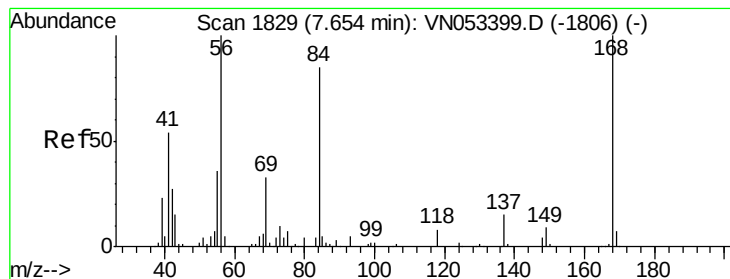
85 61.4 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.646 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

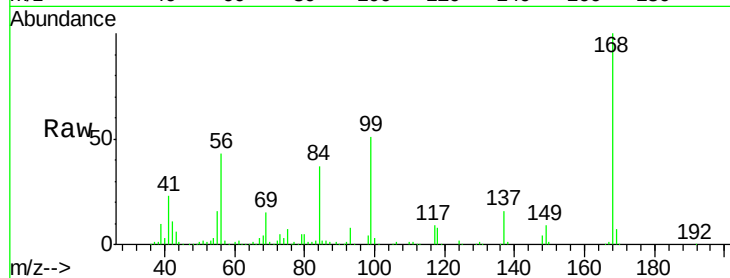
Tot Ion: 56 Resp: 279625

Ion Ratio Lower Upper

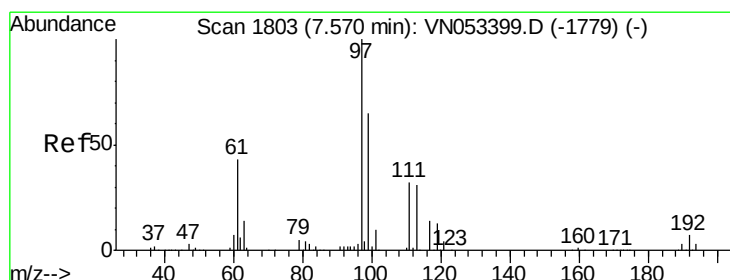
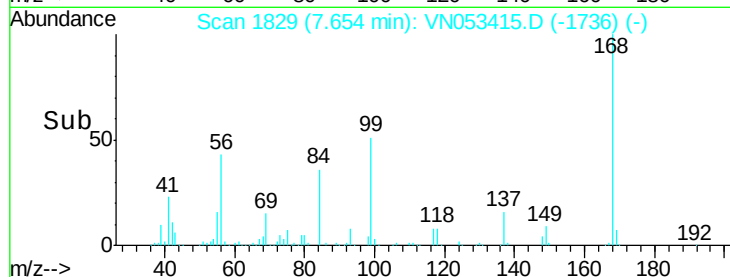
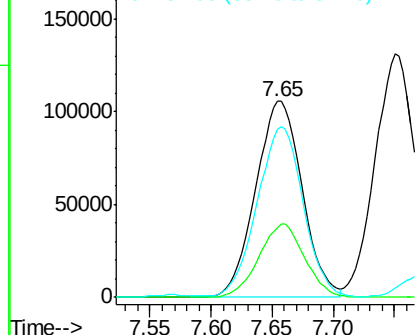
56 100

69 35.8 26.4 39.6

84 84.8 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.864 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

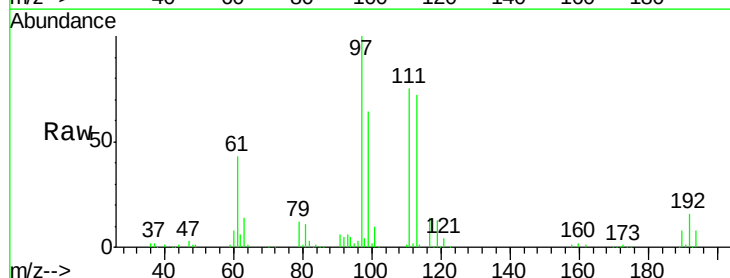
Tgt Ion: 97 Resp: 238460

Ion Ratio Lower Upper

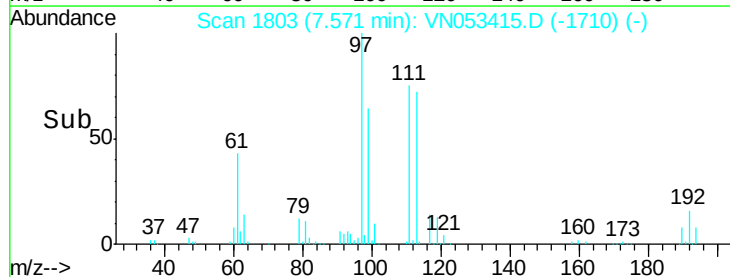
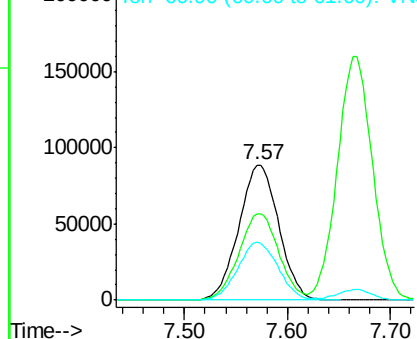
97 100

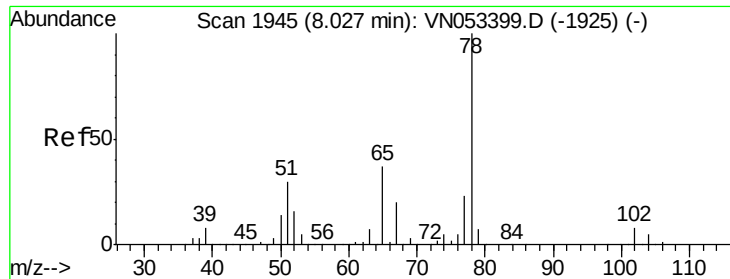
99 64.3 52.0 78.0

61 43.3 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

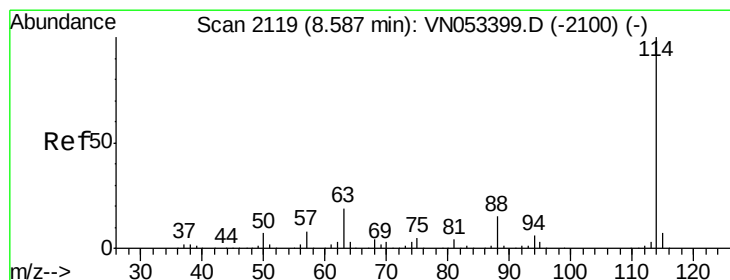
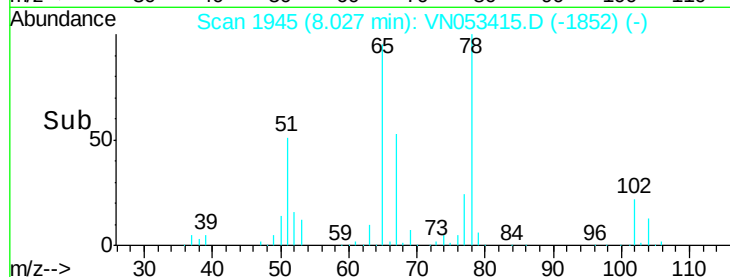
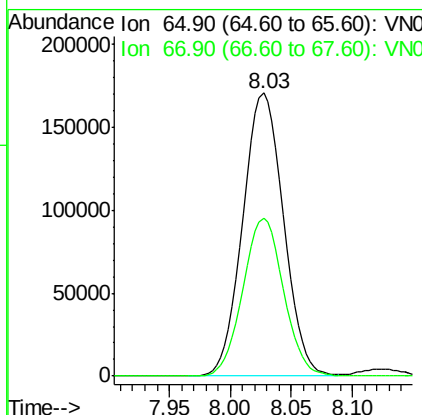
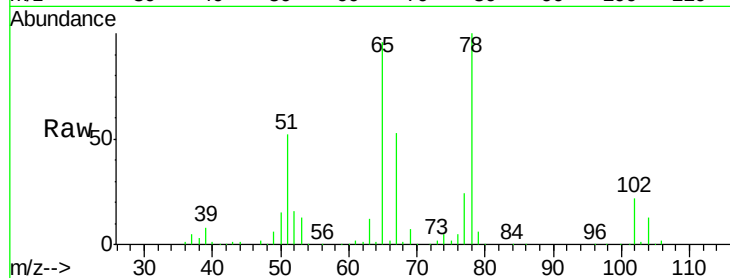




#33
 1,2-Dichloroethane-d4
 Concen: 20.864 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

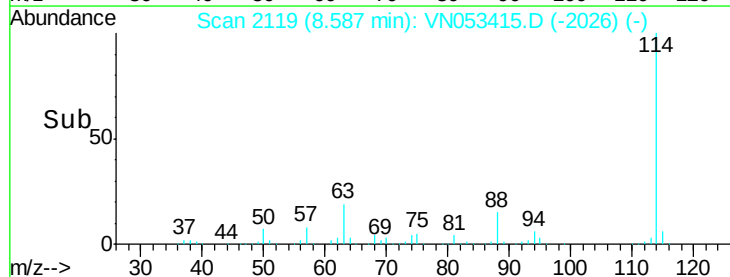
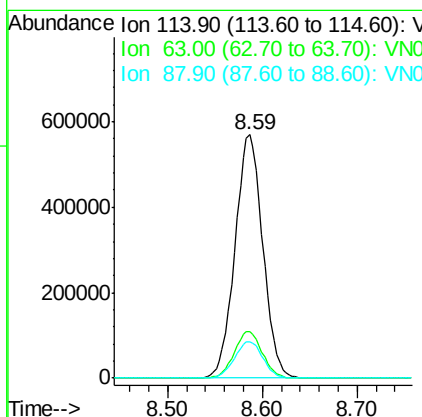
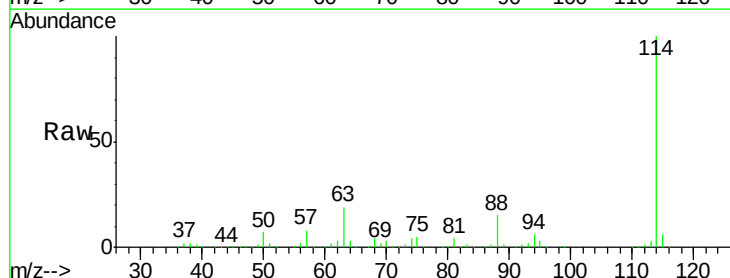
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

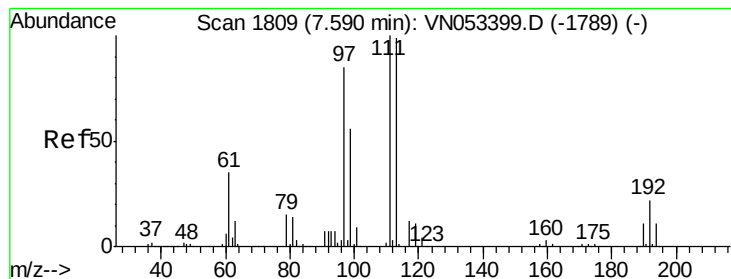
Tot Ion: 65 Resp: 395509
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 114 Resp: 1159945
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

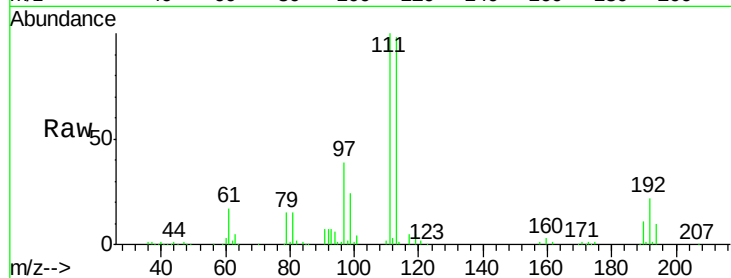
Tot Ion:113 Resp: 349617

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

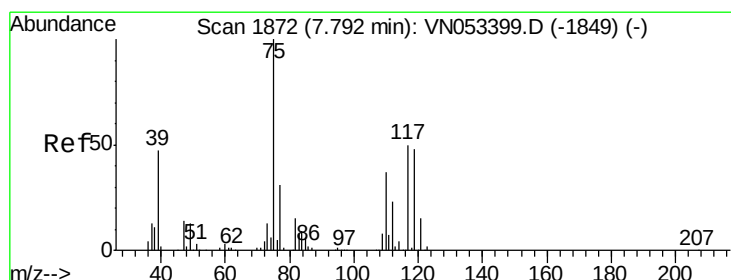
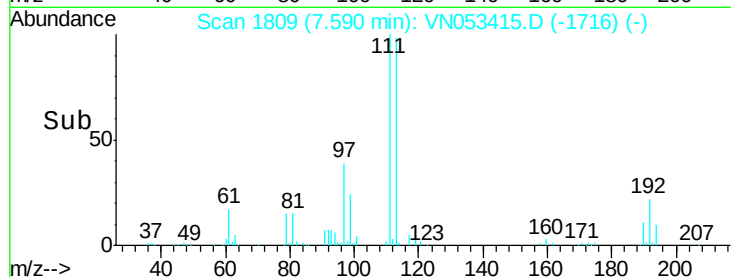
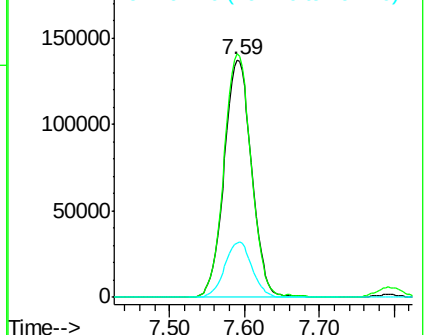
192 23.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.497 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

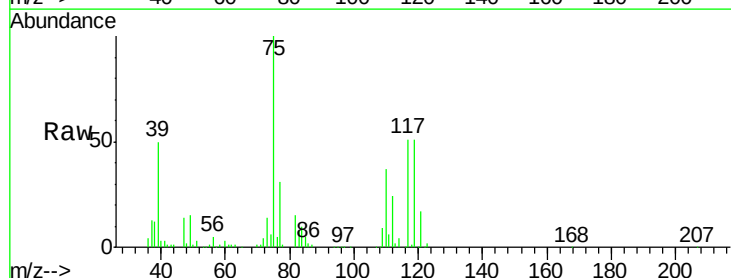
Tgt Ion: 75 Resp: 216528

Ion Ratio Lower Upper

75 100

110 36.7 18.1 54.3

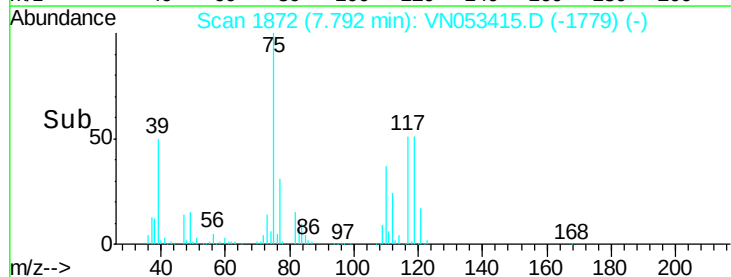
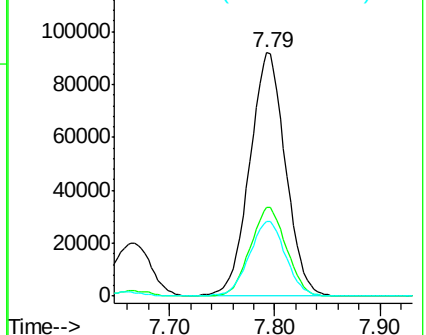
77 31.5 25.1 37.7

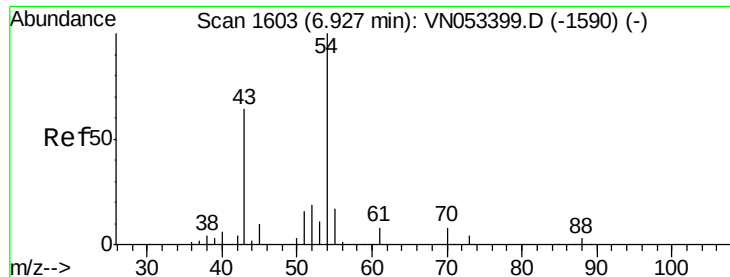


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

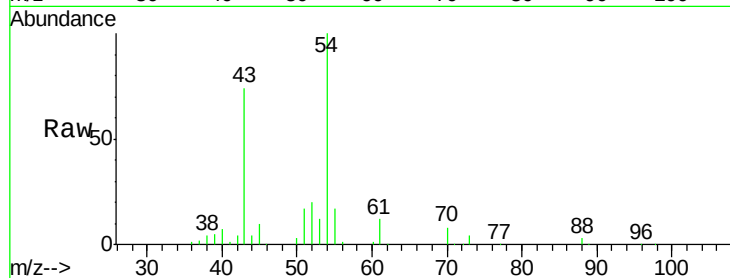




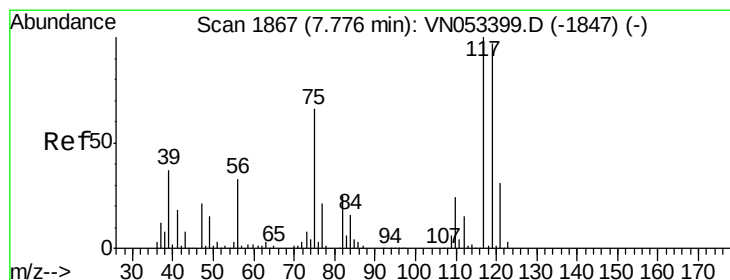
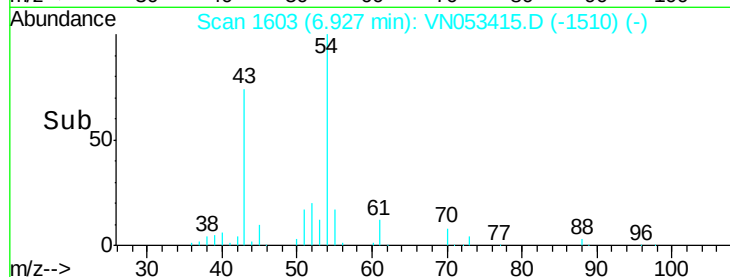
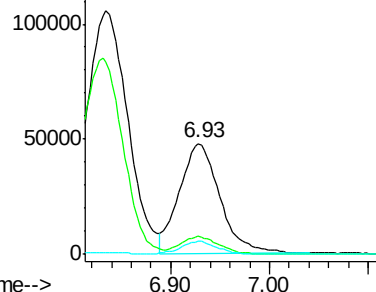
#37
Ethyl Acetate
Concen: 22.529 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion: 43 Resp: 136924
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 10.8 8.6 12.8

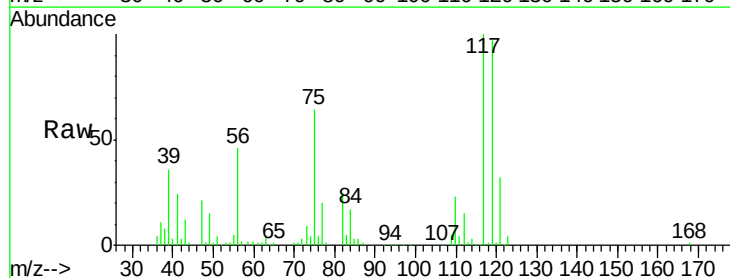


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

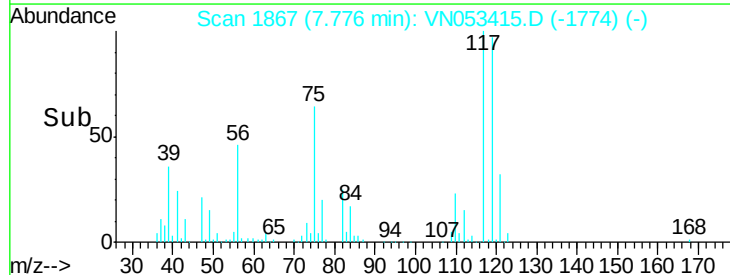
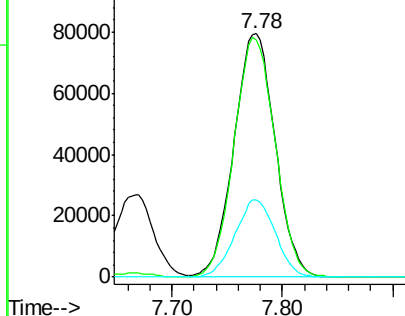


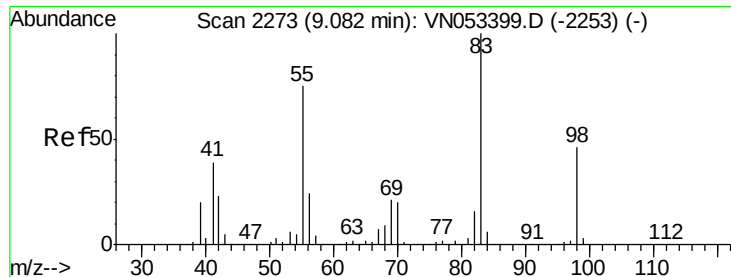
#38
Carbon Tetrachloride
Concen: 20.455 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 117 Resp: 204571
Ion Ratio Lower Upper
117 100
119 97.6 77.2 115.8
121 31.8 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

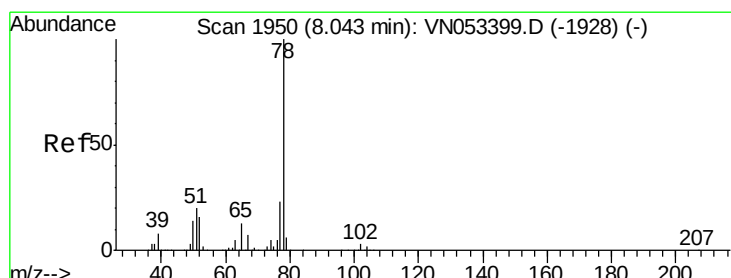
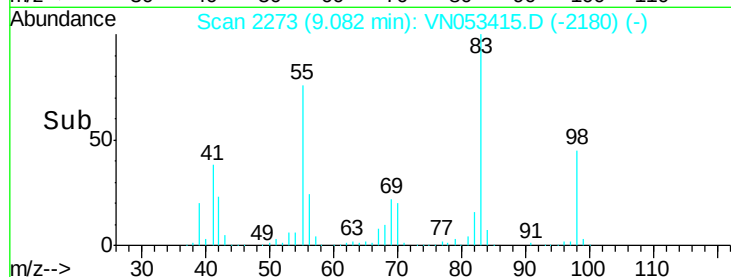
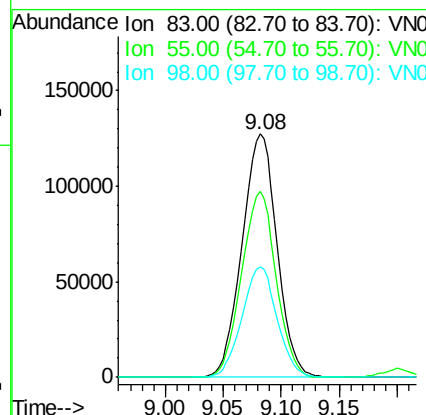
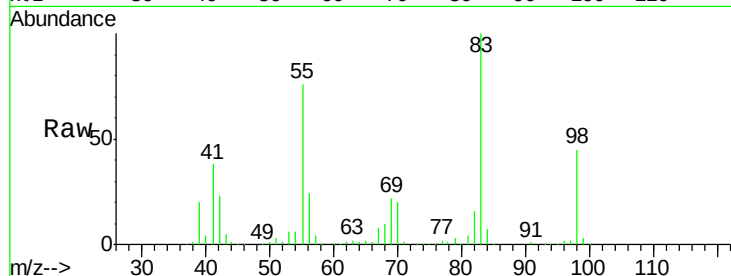




#39
Methylvlcyclohexane
Concen: 20.480 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

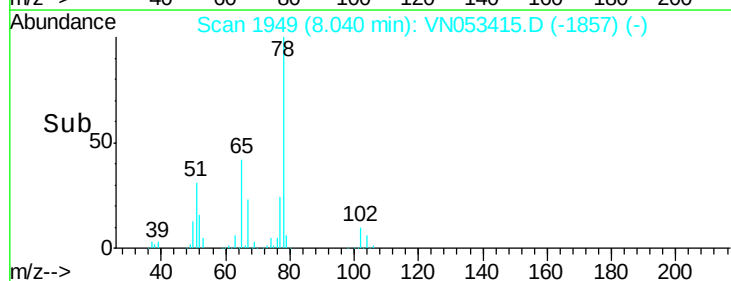
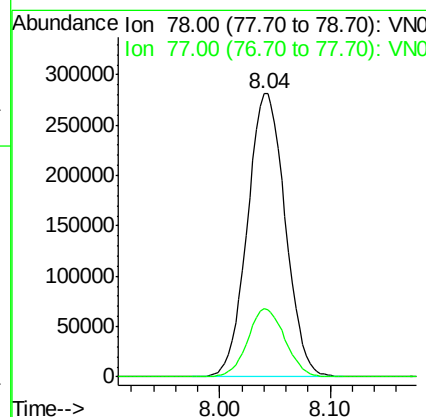
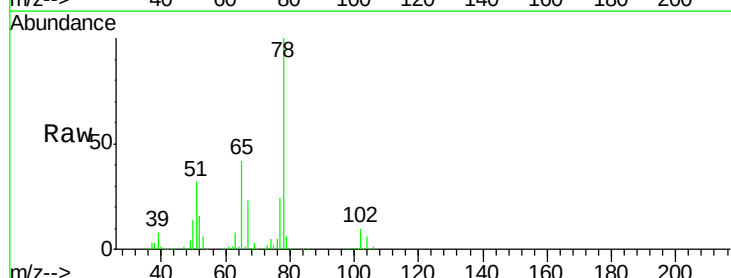
Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

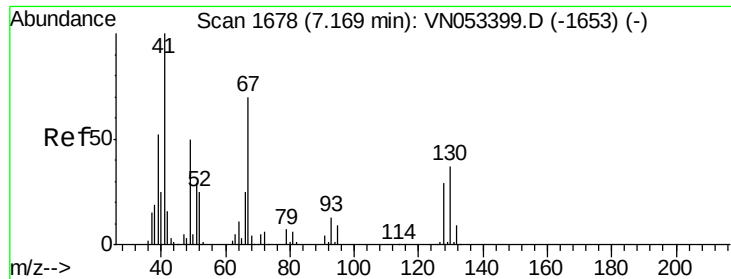
Tot Ion: 83 Resp: 267399
Ion Ratio Lower Upper
83 100
55 76.2 60.1 90.1
98 45.4 36.6 55.0



#40
Benzene
Concen: 20.840 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 78 Resp: 668999
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

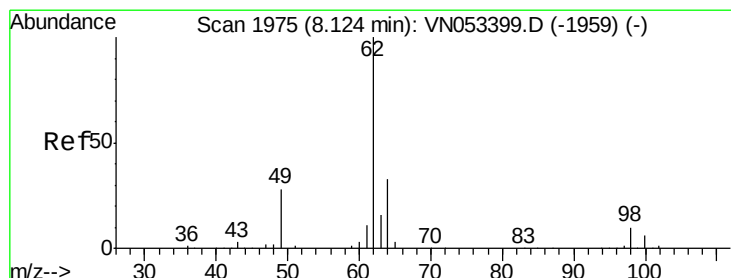
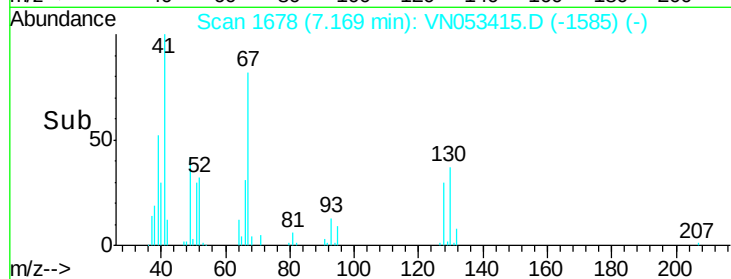
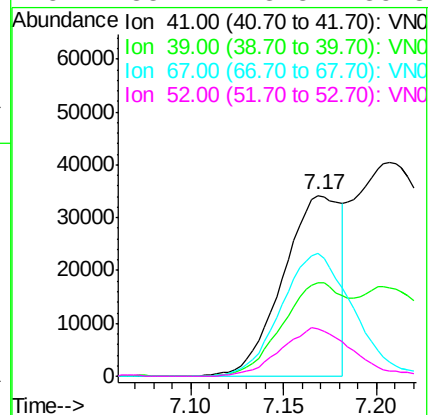
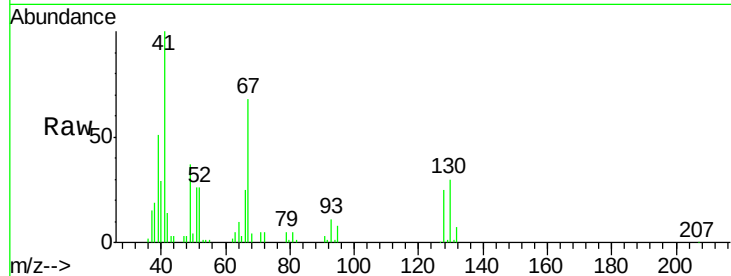




#41
Methacrylonitrile
Concen: 20.848 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

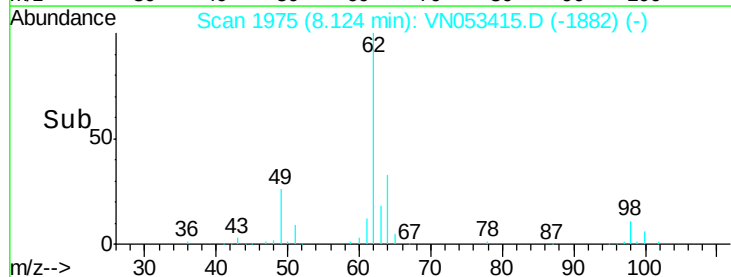
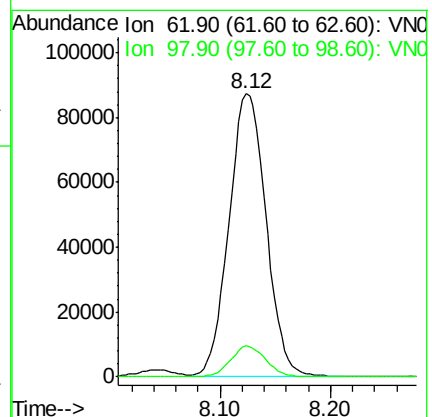
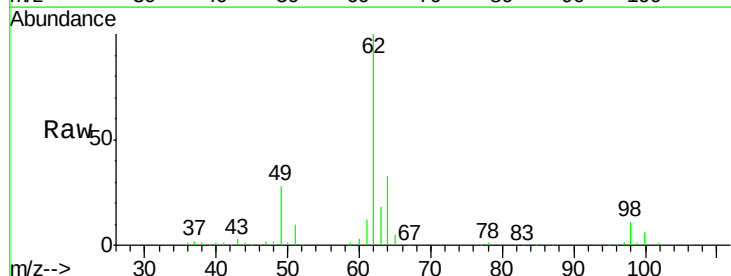
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

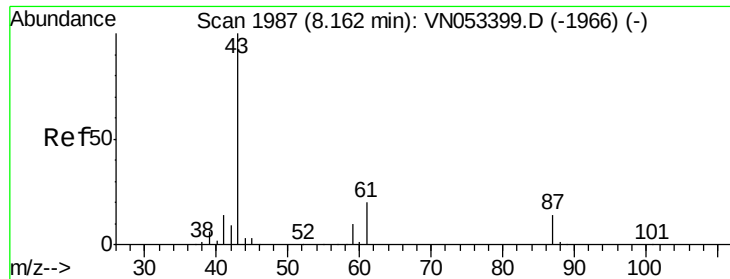
Tot Ion:	41	Resp:	73867
Ion	Ratio	Lower	Upper
41	100		
39	59.2	46.8	70.2
67	85.8	63.0	94.6
52	33.7	23.8	35.8



#42
1,2-Dichloroethane
Concen: 21.831 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:	62	Resp:	204165
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 22.446 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

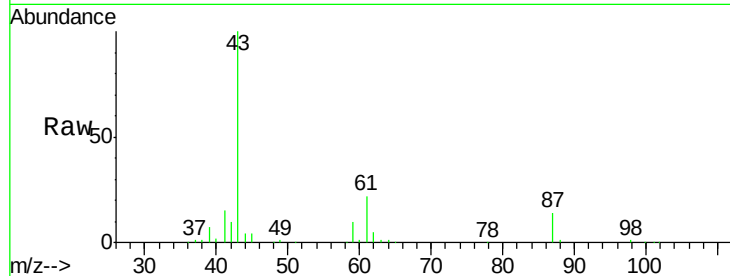
Tot Ion: 43 Resp: 245300

Ion Ratio Lower Upper

43 100

61 30.2 23.9 35.9

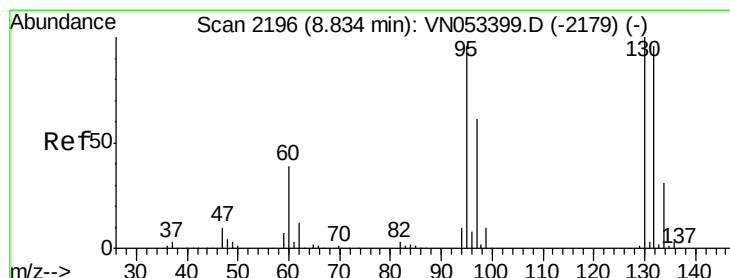
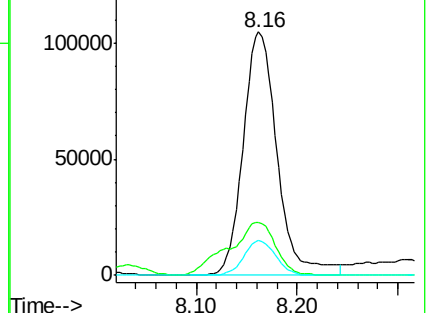
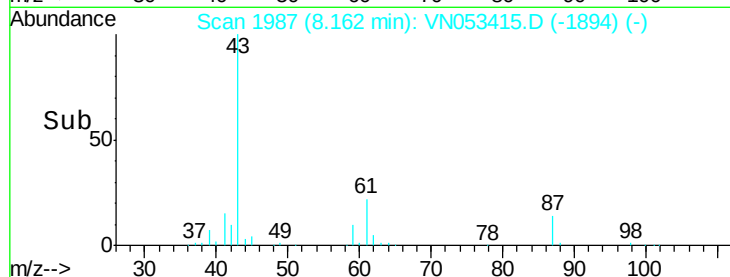
87 13.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 21.077 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053415.D

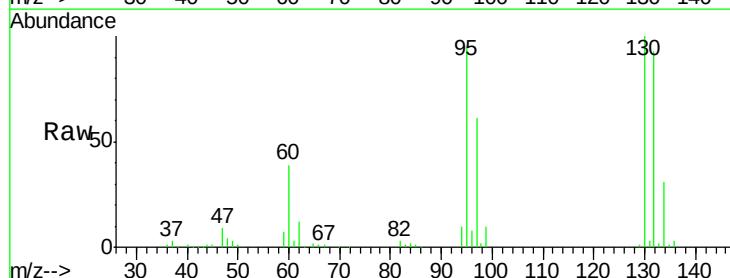
Acq: 16 Jan 2019 10:48

Tgt Ion: 130 Resp: 187629

Ion Ratio Lower Upper

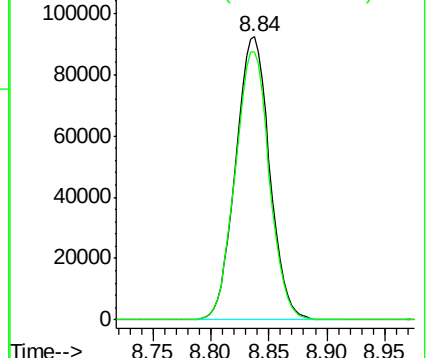
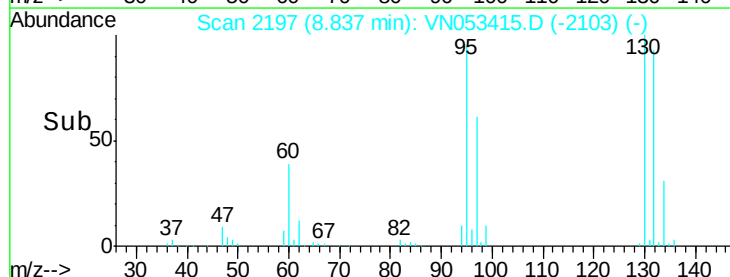
130 100

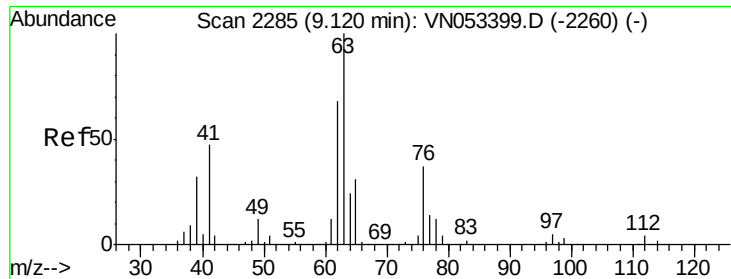
95 94.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

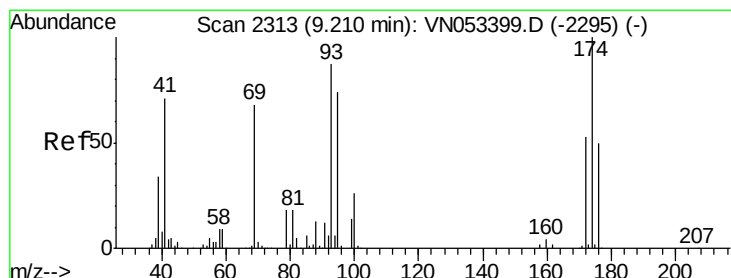
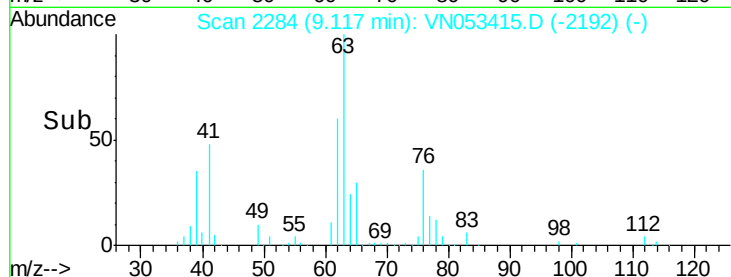
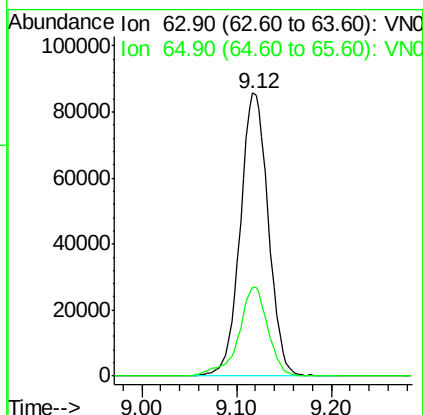
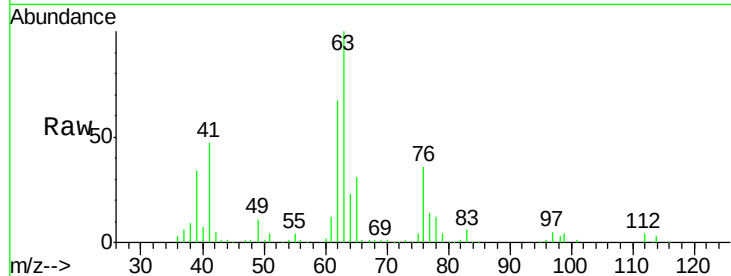




#45
 1,2-Dichloropropane
 Concen: 20.759 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

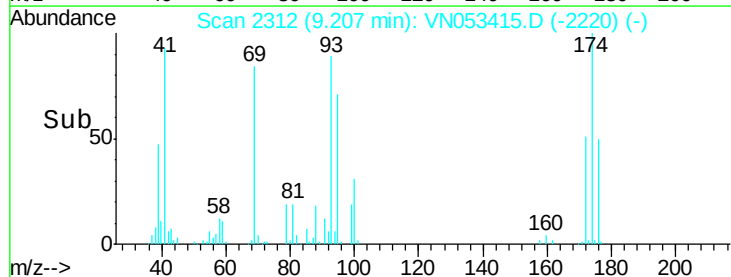
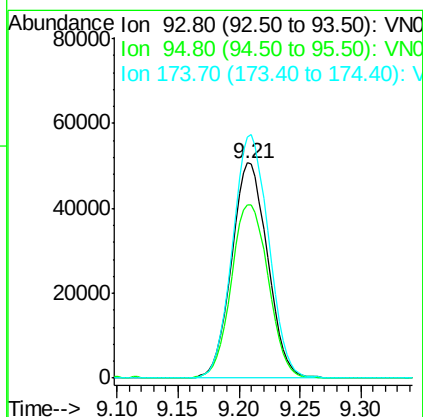
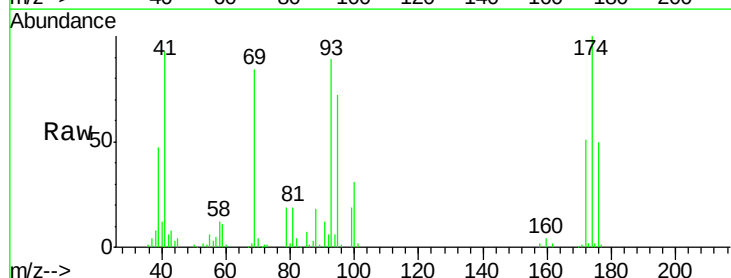
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

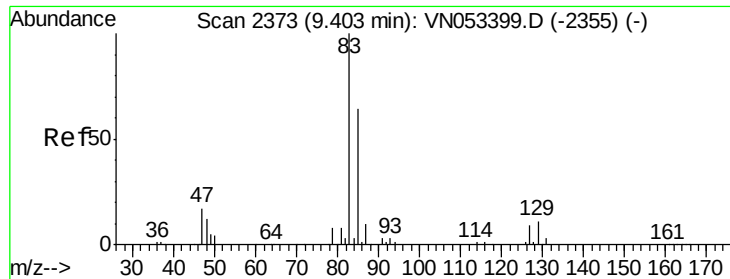
Tot Ion: 63 Resp: 176510
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 21.229 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 93 Resp: 103704
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.3 100.9
 174 113.5 91.0 136.4

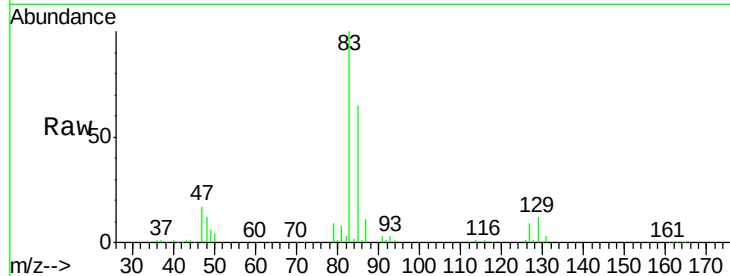




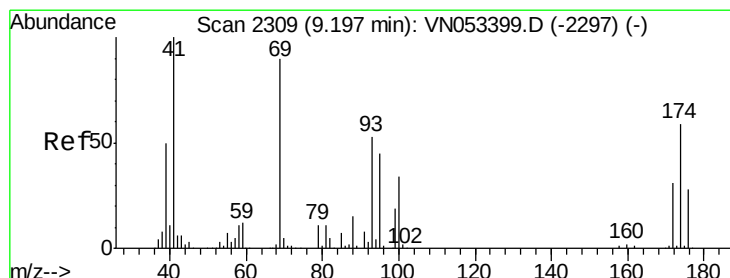
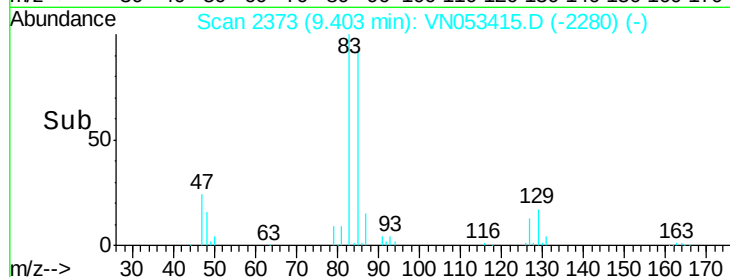
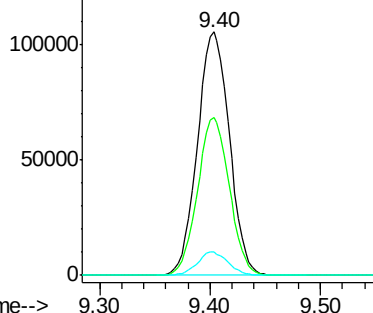
#47
Bromodichloromethane
Concen: 20.656 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

Tot Ion: 83 Resp: 212203
Ion Ratio Lower Upper
83 100
85 65.0 51.0 76.6
127 9.4 7.0 10.6

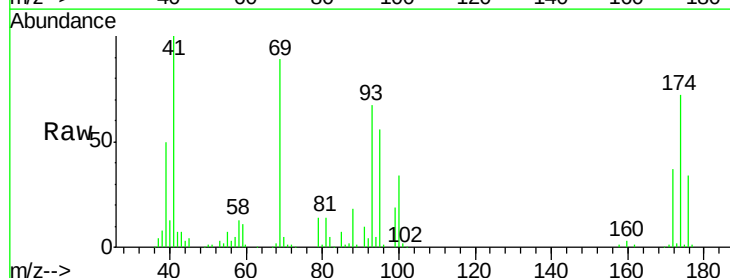


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

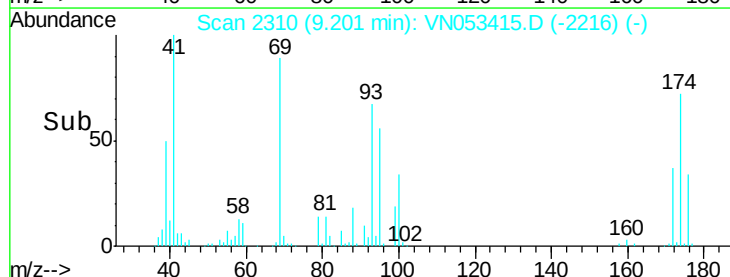
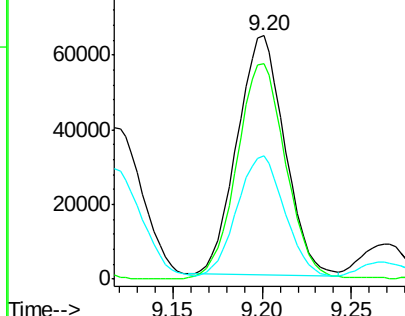


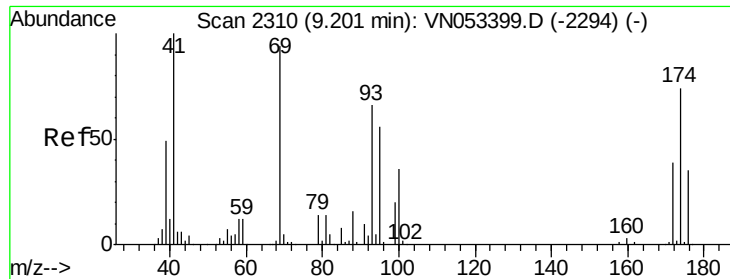
#48
Methyl methacrylate
Concen: 21.269 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 41 Resp: 120014
Ion Ratio Lower Upper
41 100
69 92.5 73.8 110.6
39 52.3 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: 456.171 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

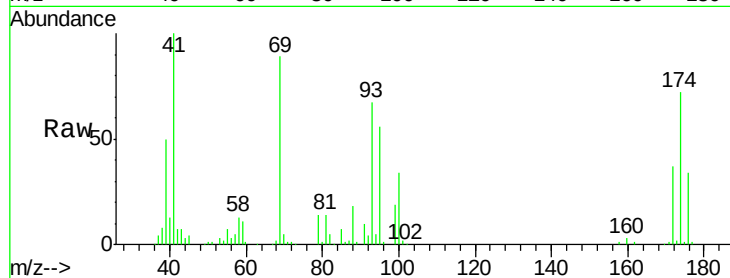
Tot Ion: 88 Resp: 25138

Ion Ratio Lower Upper

88 100

43 35.2 27.8 41.6

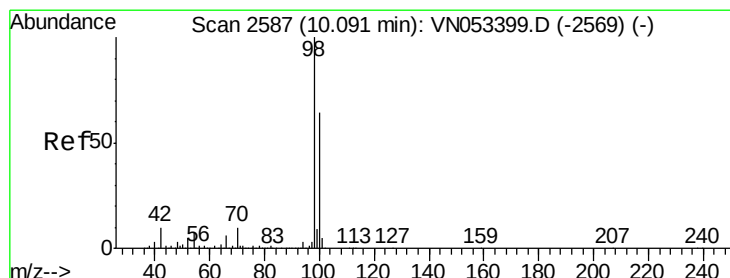
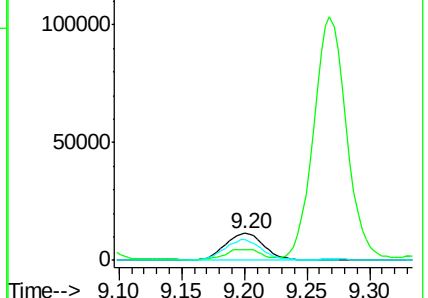
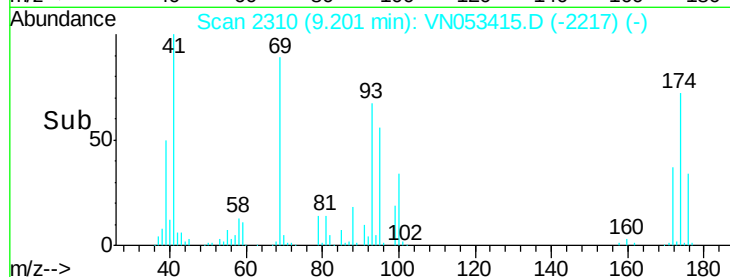
58 72.2 56.5 84.7



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: 456.171 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053415.D

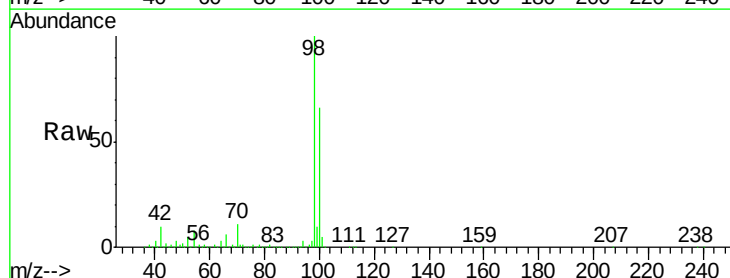
Acq: 16 Jan 2019 10:48

Tgt Ion: 98 Resp: 1414103

Ion Ratio Lower Upper

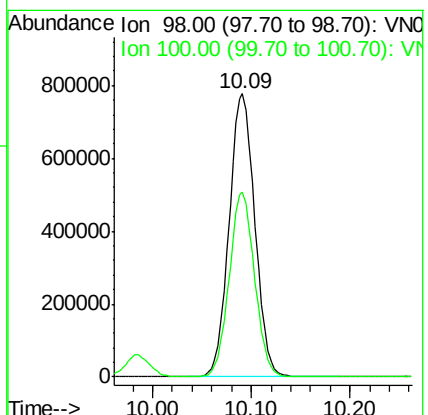
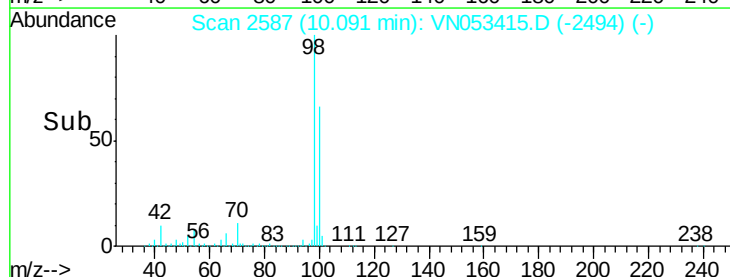
98 100

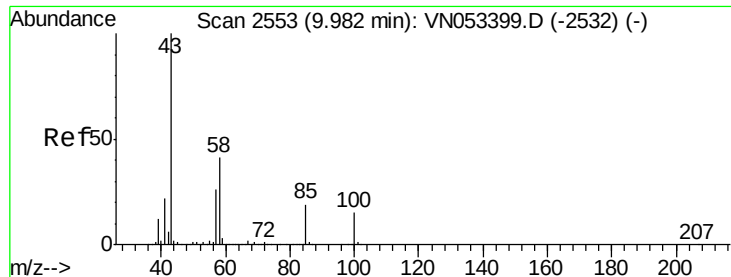
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

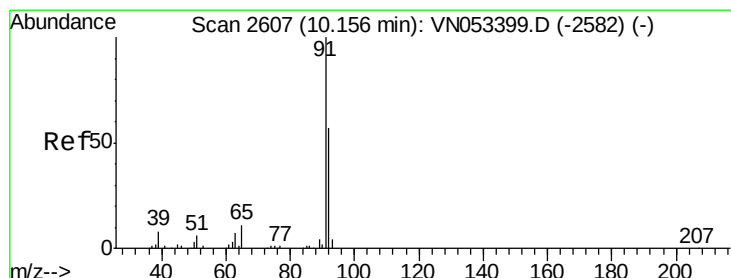
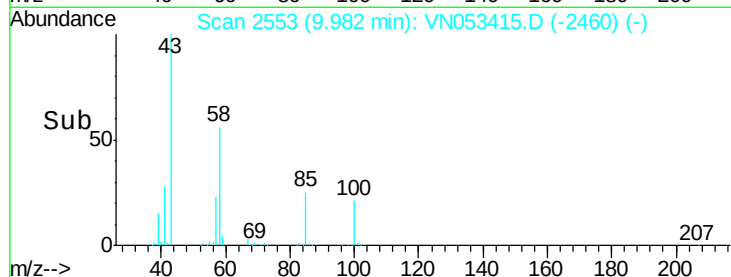
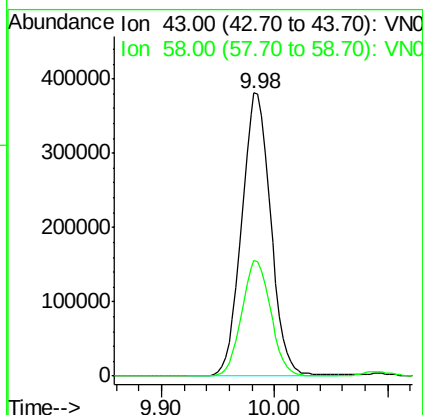
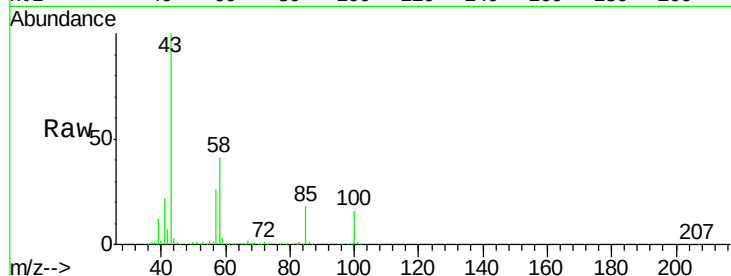




#51
 4-Methyl-2-Pentanone
 Concen: 114.295 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

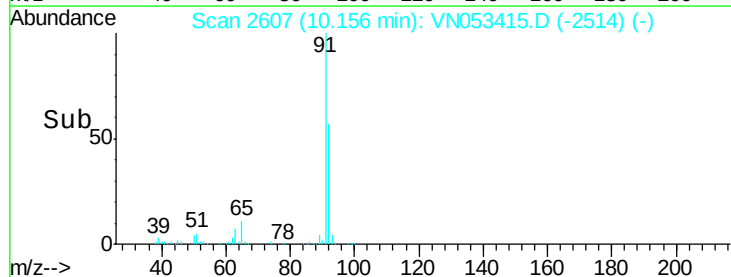
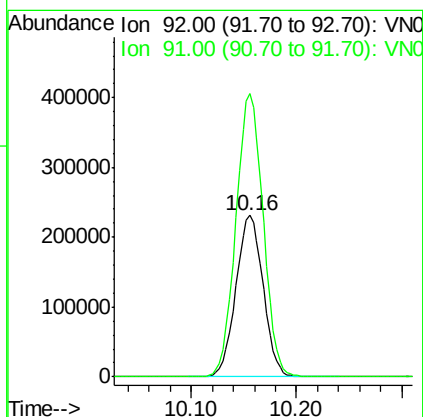
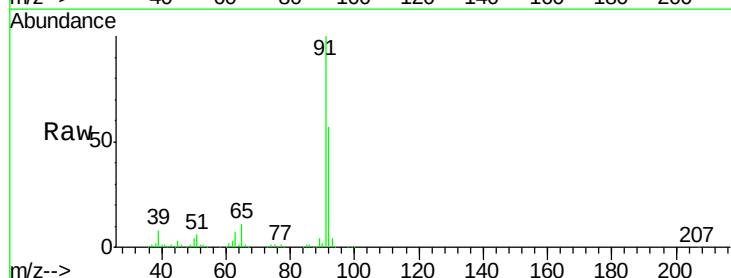
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

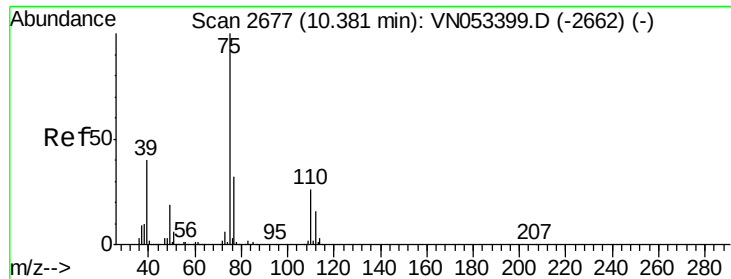
Tot Ion: 43 Resp: 681852
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 20.769 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion: 92 Resp: 413912
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.989 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

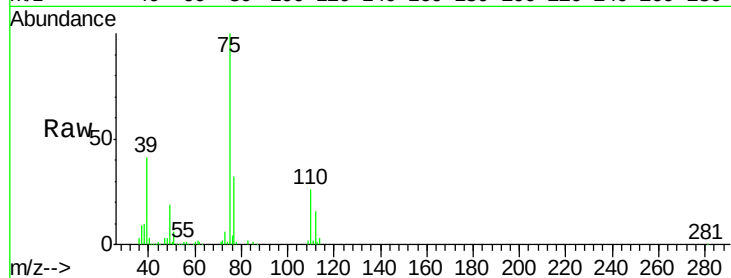
VN0116WBS01

Tot Ion: 75 Resp: 218560

Ion Ratio Lower Upper

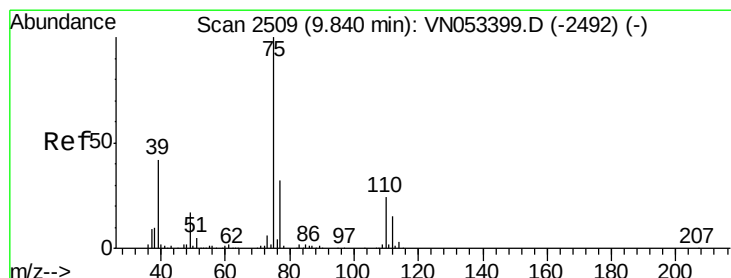
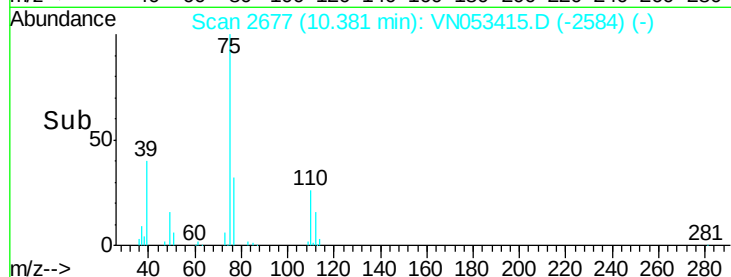
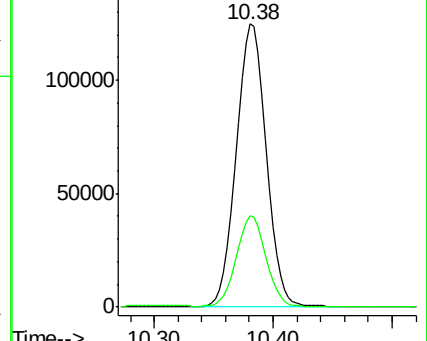
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.939 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

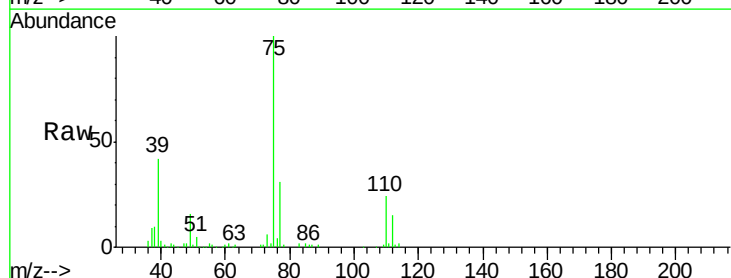
Tgt Ion: 75 Resp: 255601

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

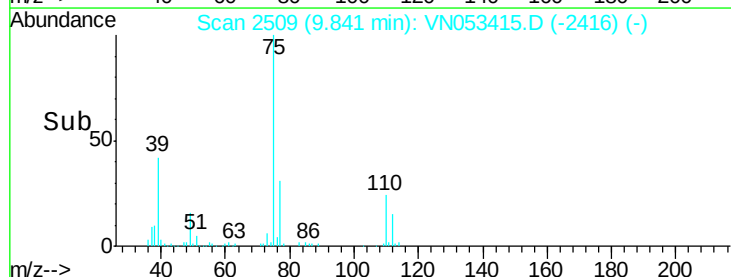
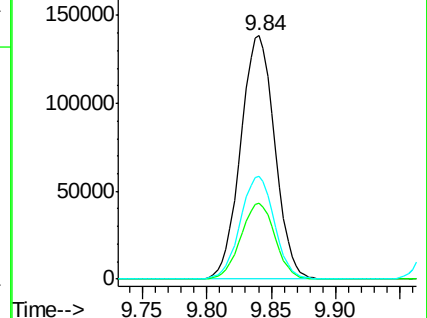
39 42.3 33.4 50.0

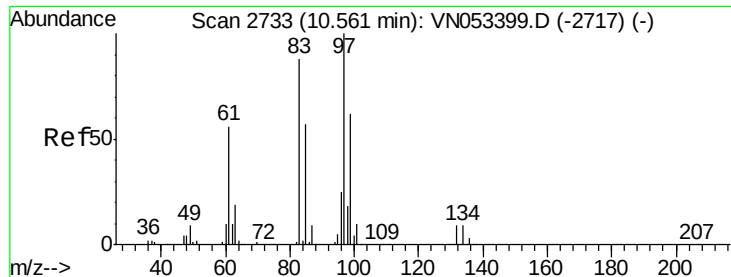


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.417 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

Tot Ion: 97 Resp: 147151

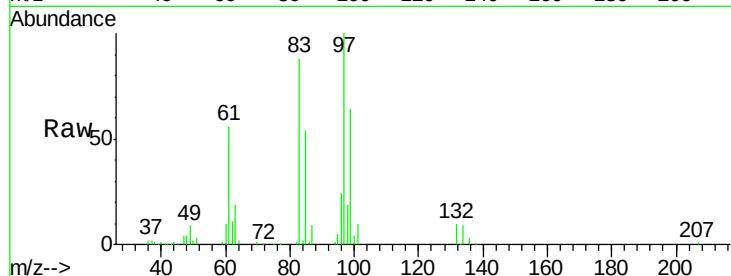
Ion Ratio Lower Upper

97 100

83 88.0 70.1 105.1

85 54.0 45.4 68.0

99 63.6 49.8 74.8

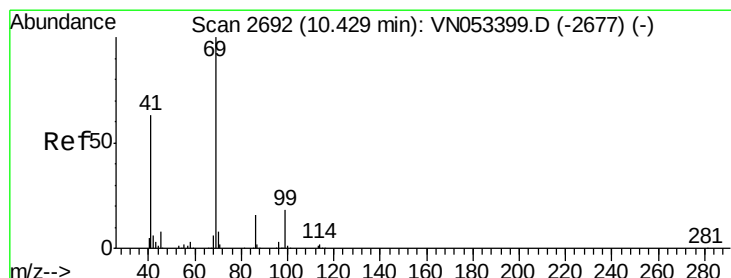
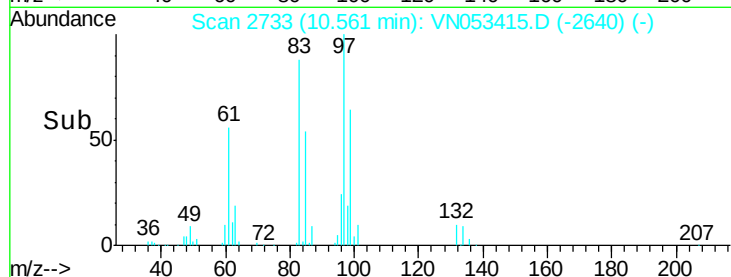
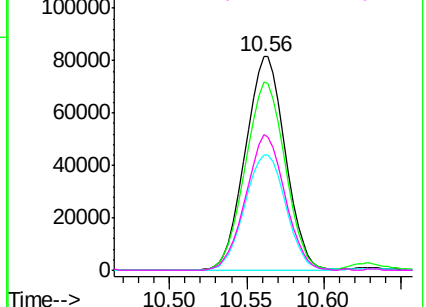


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.605 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

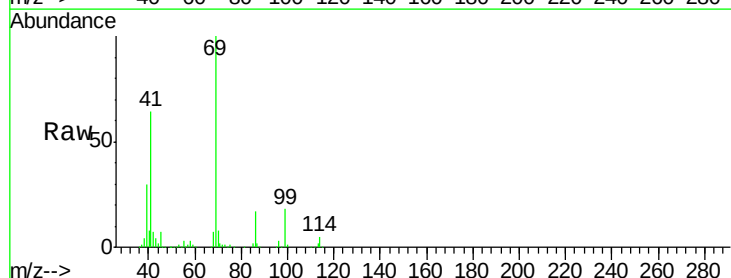
Tgt Ion: 69 Resp: 188619

Ion Ratio Lower Upper

69 100

41 62.5 49.4 74.0

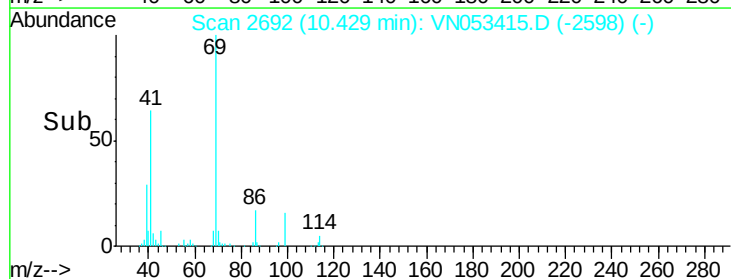
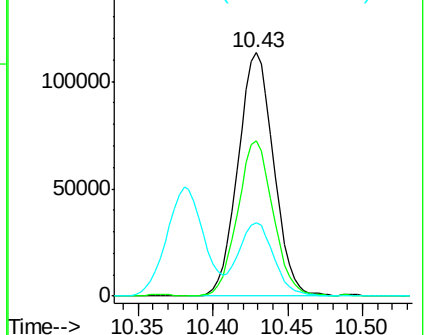
39 29.9 23.3 34.9

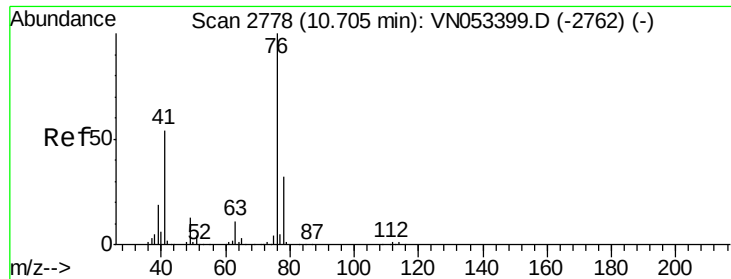


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.269 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

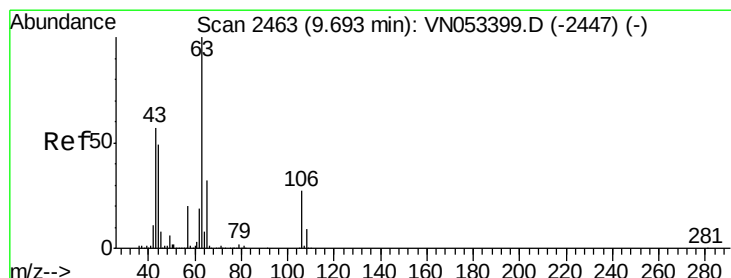
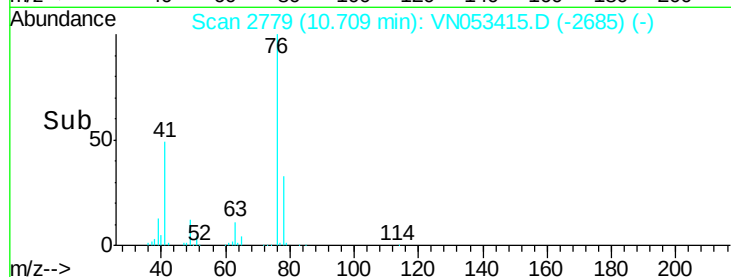
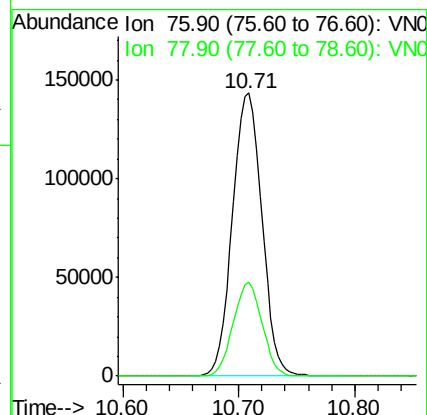
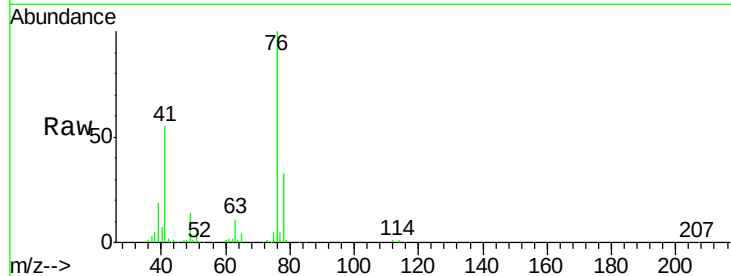
VN0116WBS01

Tot Ion: 76 Resp: 252797

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 102.418 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053415.D

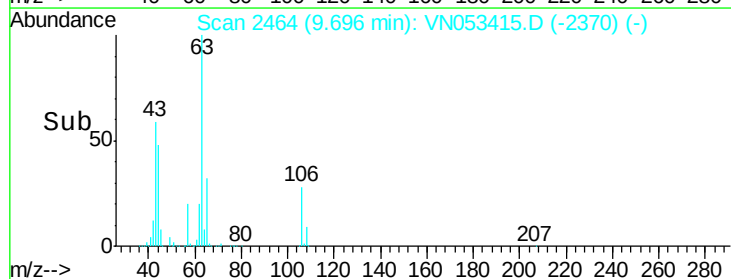
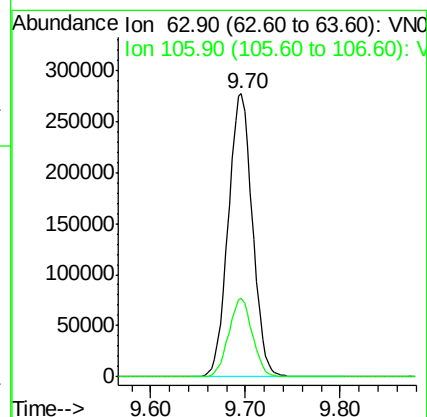
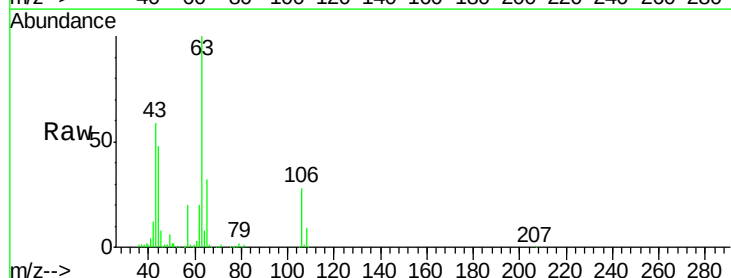
Acq: 16 Jan 2019 10:48

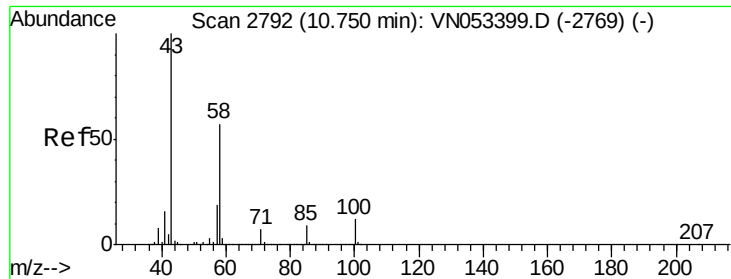
Tgt Ion: 63 Resp: 492301

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3

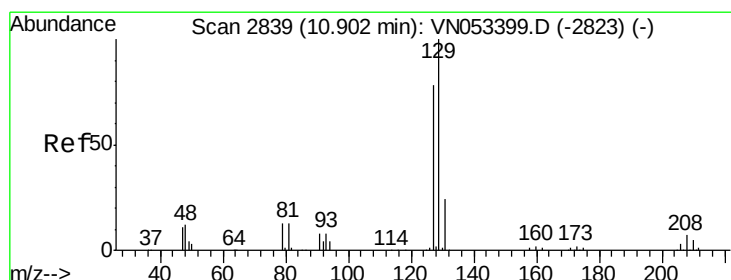
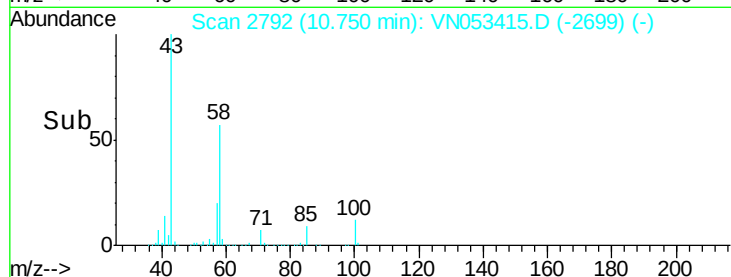
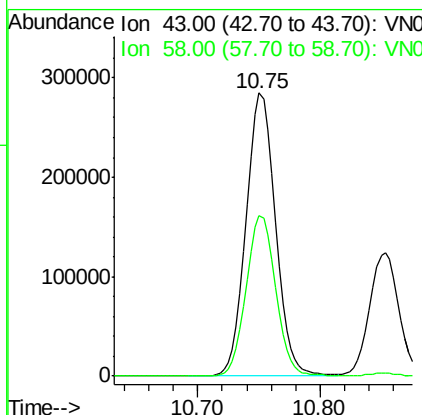
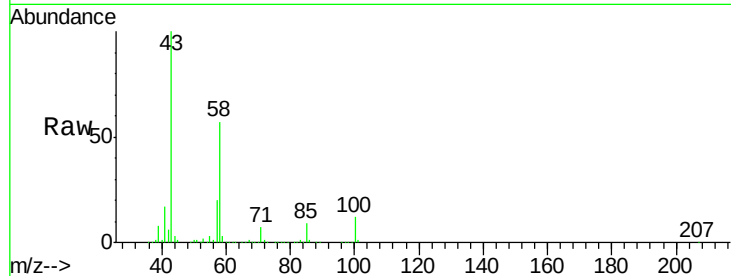




#59
2-Hexanone
Concen: 112.686 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

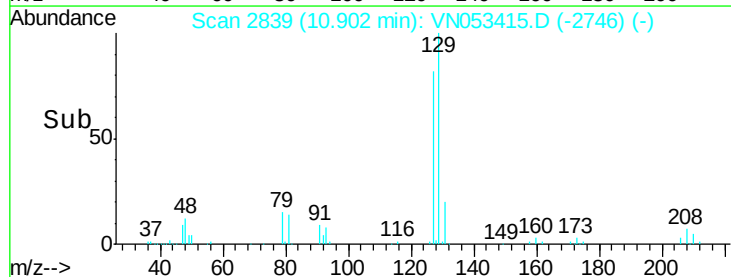
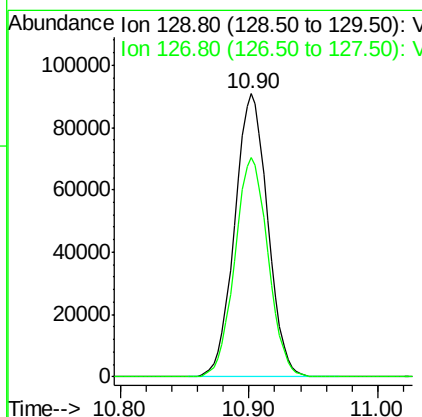
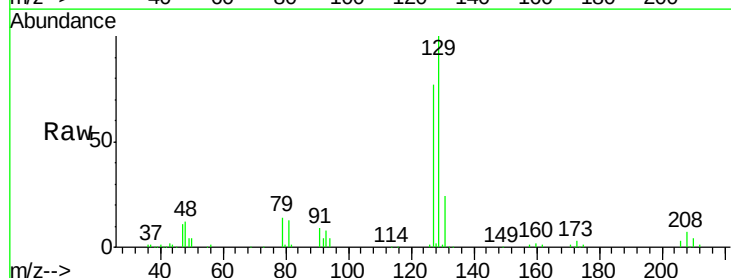
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

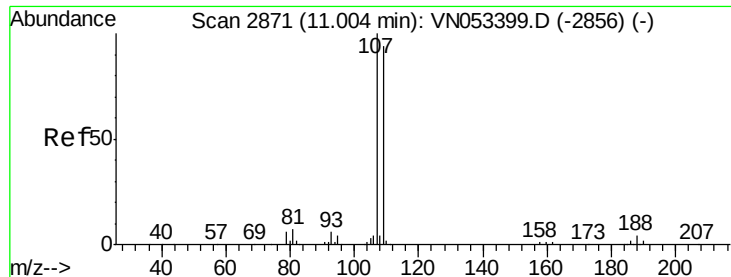
Tot Ion: 43 Resp: 471914
Ion Ratio Lower Upper
43 100
58 57.0 28.6 85.8



#60
Dibromochloromethane
Concen: 20.759 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 129 Resp: 161774
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.470 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

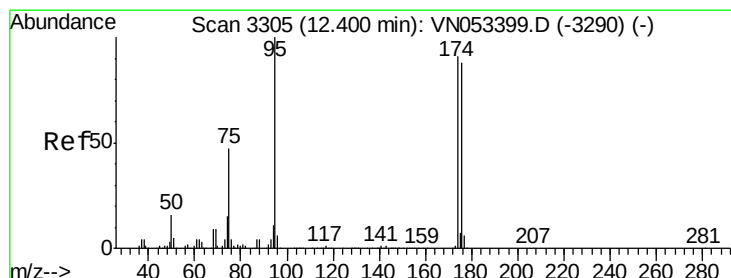
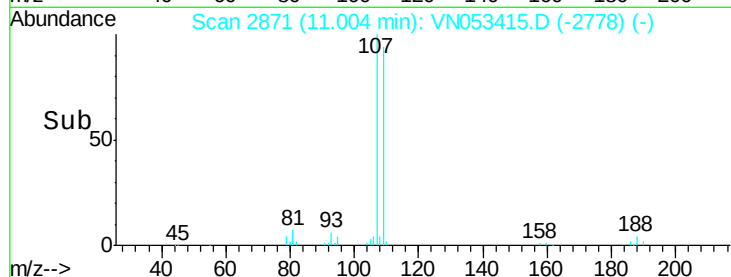
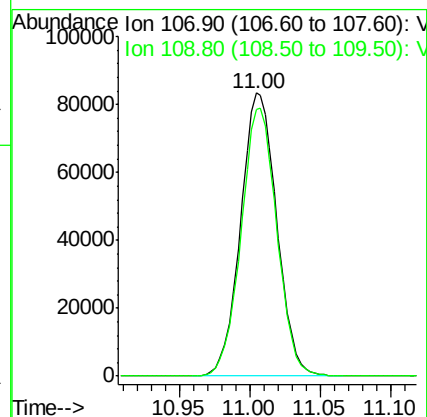
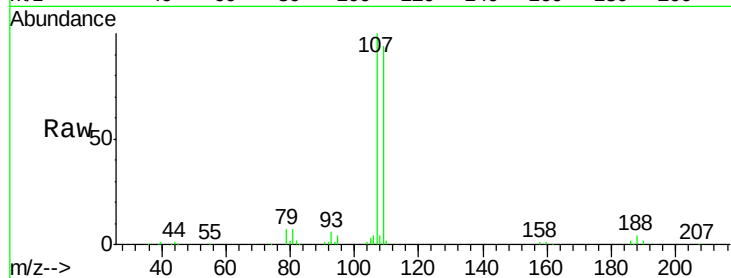
VN0116WBS01

Tot Ion:107 Resp: 149196

Ion Ratio Lower Upper

107 100

109 94.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 21.470 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

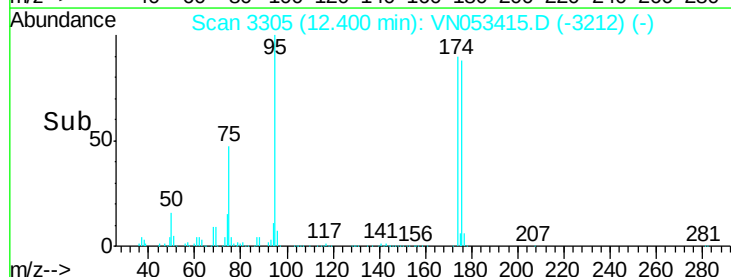
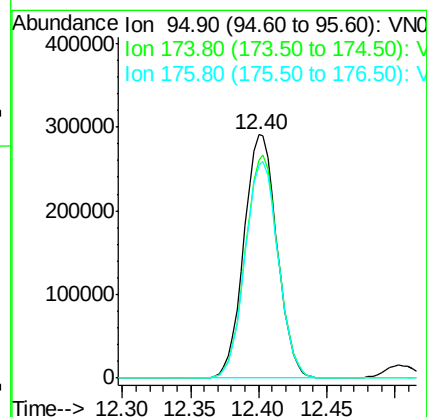
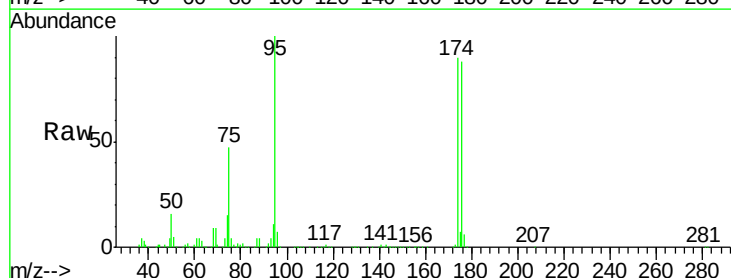
Tgt Ion: 95 Resp: 489797

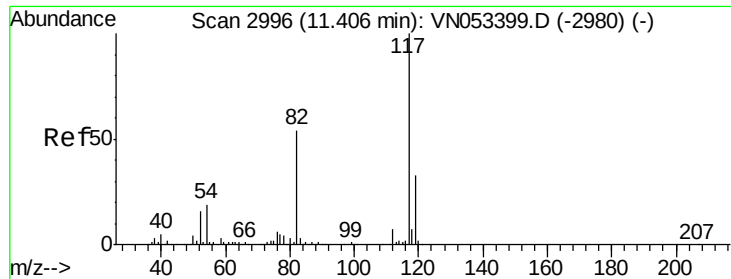
Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.2

176 89.0 0.0 177.4

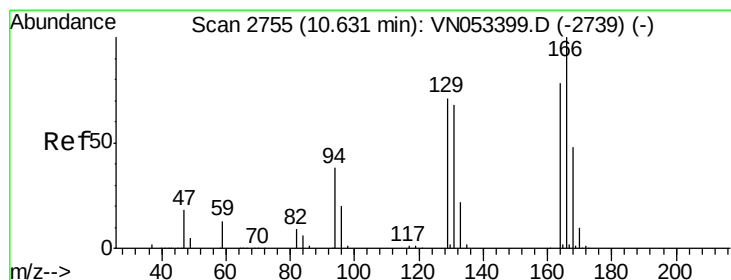
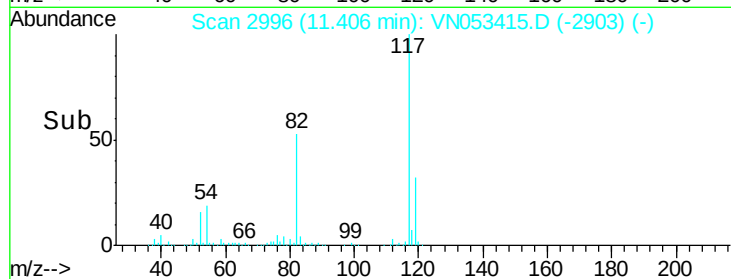
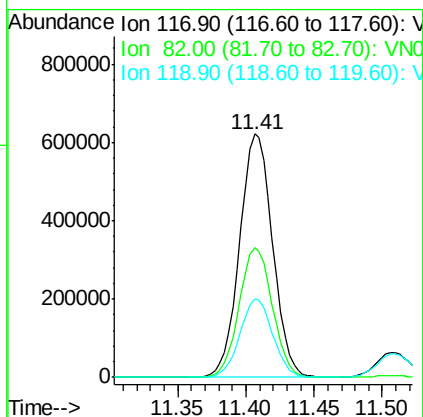
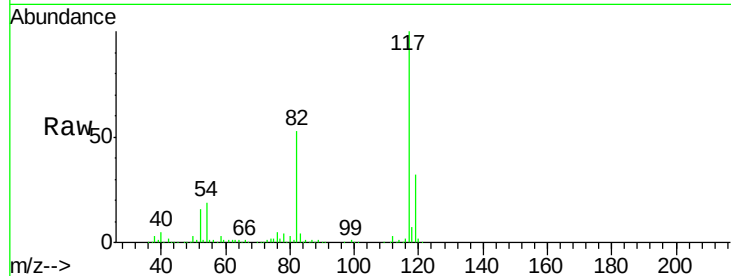




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

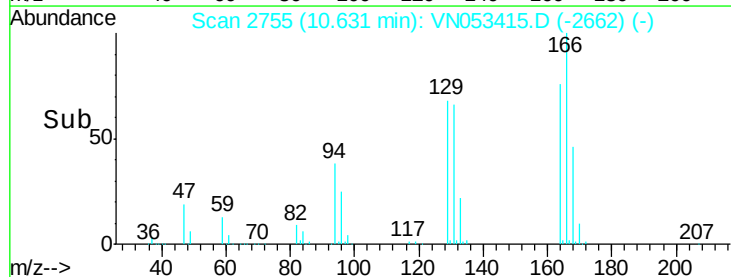
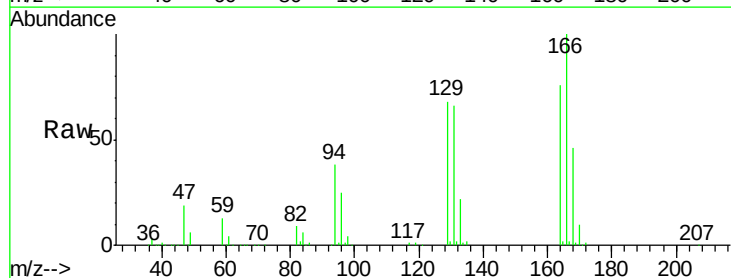
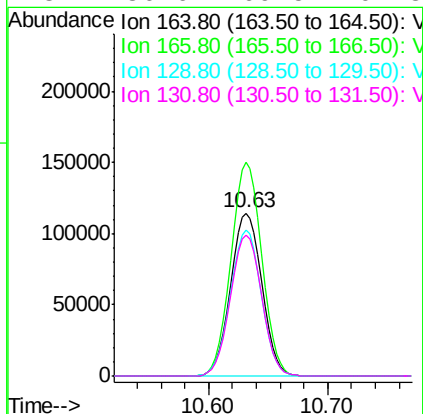
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

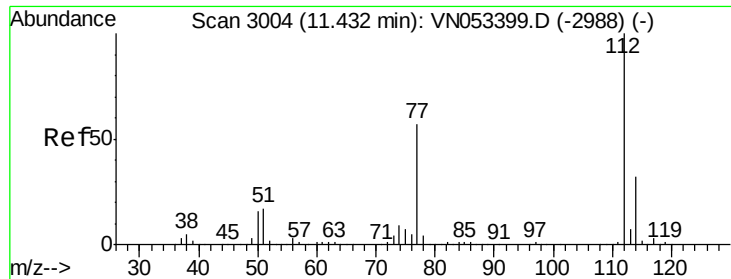
Tot Ion:117 Resp: 1044131
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 21.149 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:164 Resp: 208098
Ion Ratio Lower Upper
164 100
166 130.9 102.2 153.4
129 89.4 72.6 109.0
131 86.6 69.5 104.3

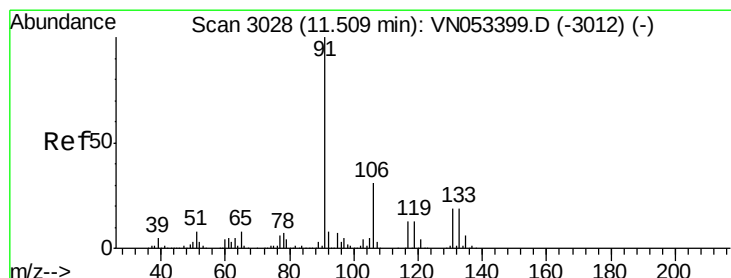
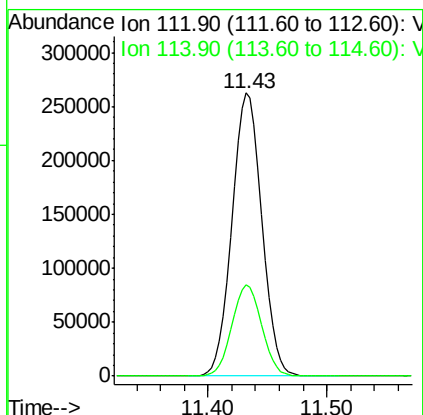
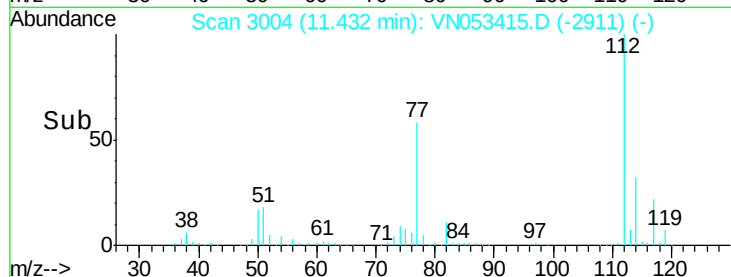
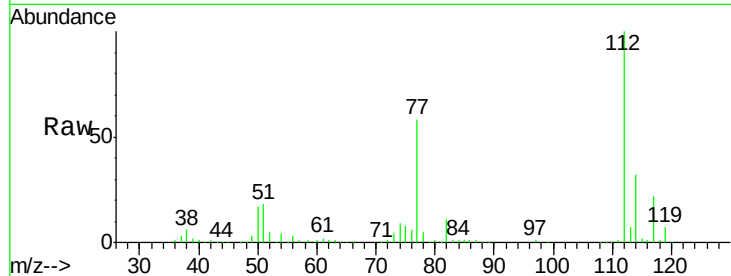




#65
Chlorobenzene
Concen: 20.608 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

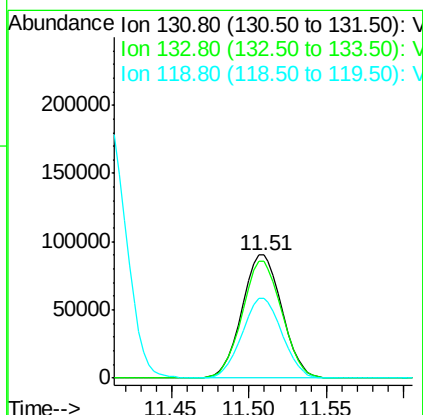
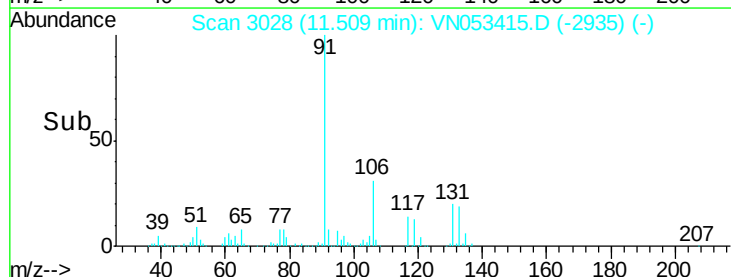
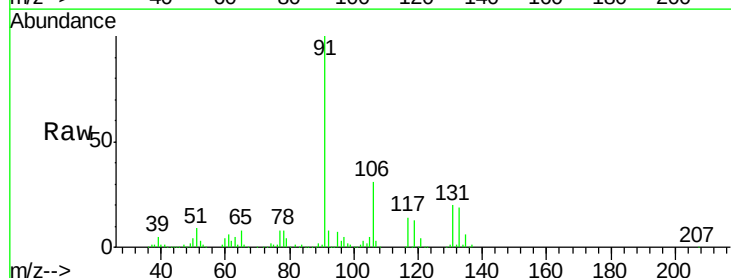
Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

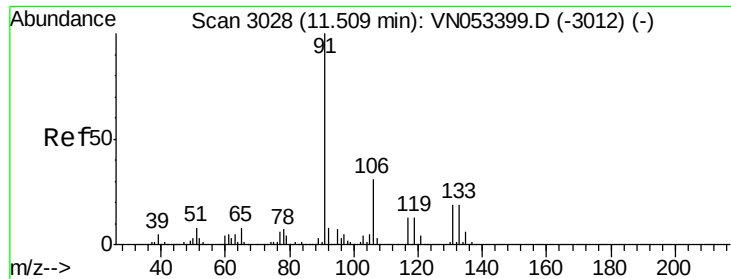
Tot Ion:112 Resp: 455458
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.091 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:131 Resp: 162162
Ion Ratio Lower Upper
131 100
133 94.5 48.0 144.0
119 64.7 33.5 100.5

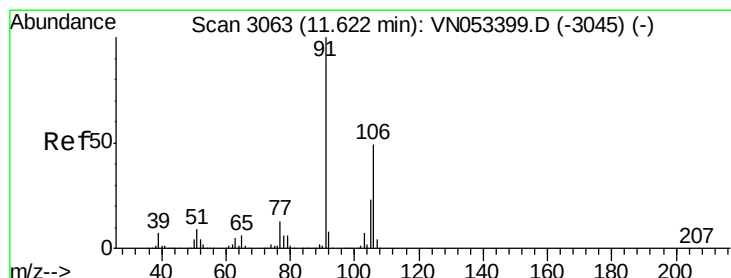
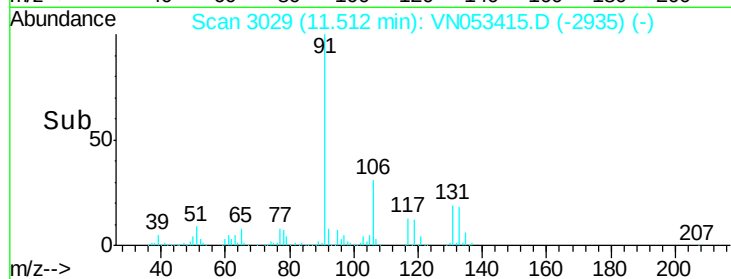
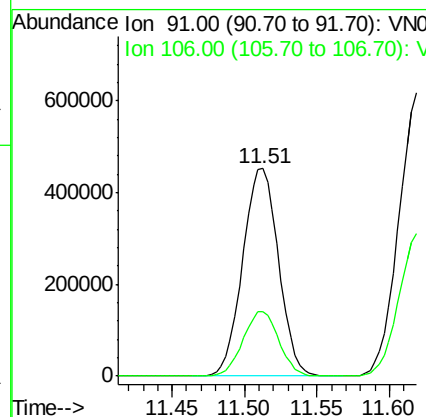
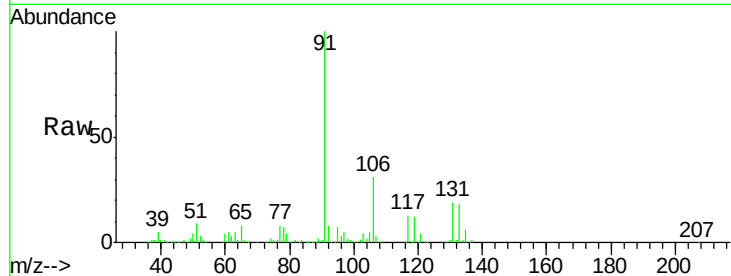




#67
Ethyl Benzene
Concen: 20.661 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

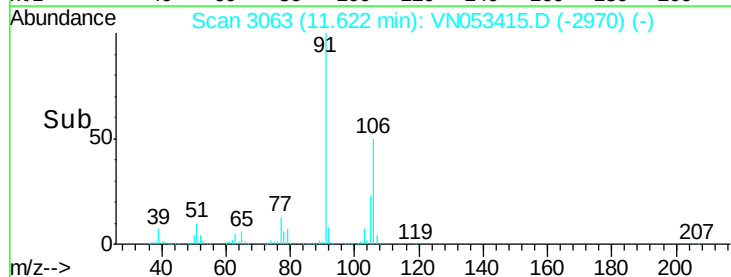
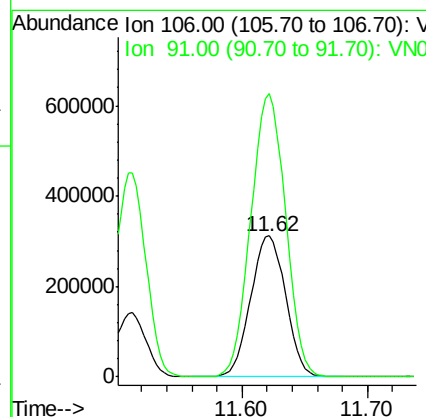
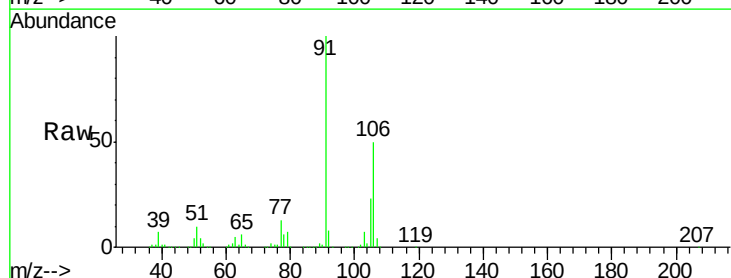
Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

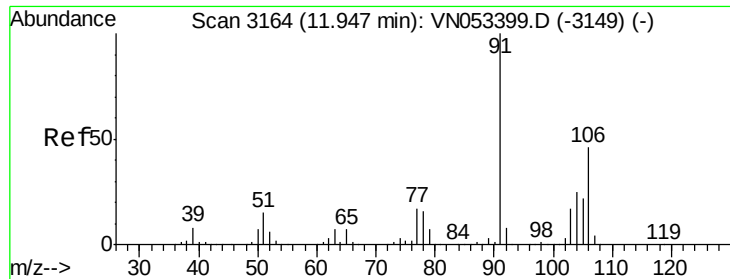
Tot Ion: 91 Resp: 778179
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 42.556 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion: 106 Resp: 605180
Ion Ratio Lower Upper
106 100
91 199.9 161.4 242.2

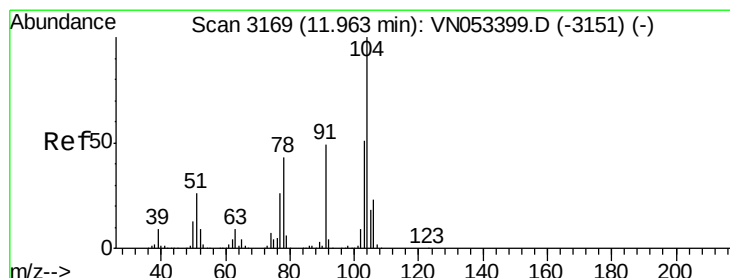
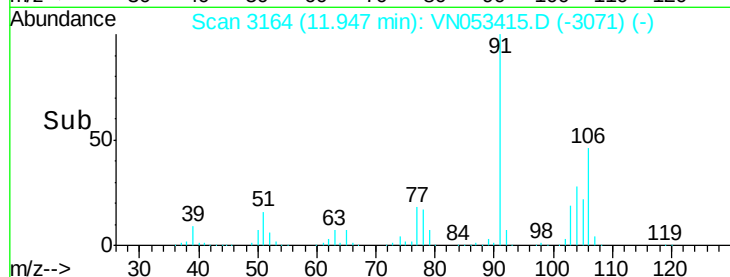
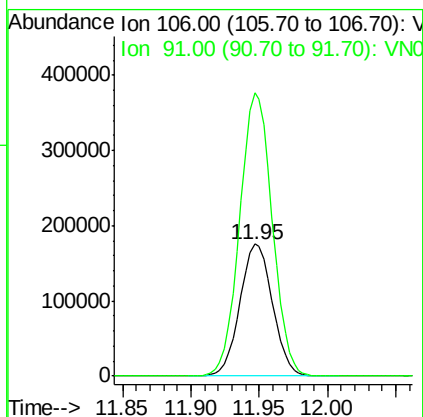
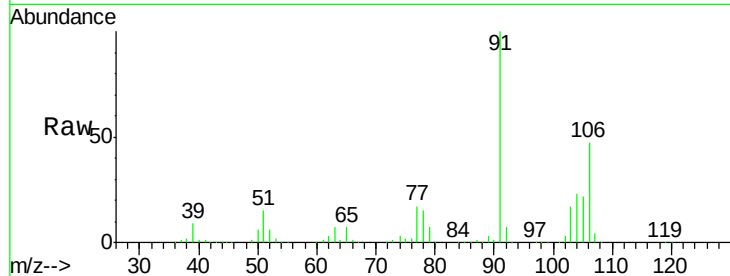




#69
o-Xylene
Concen: 21.149 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

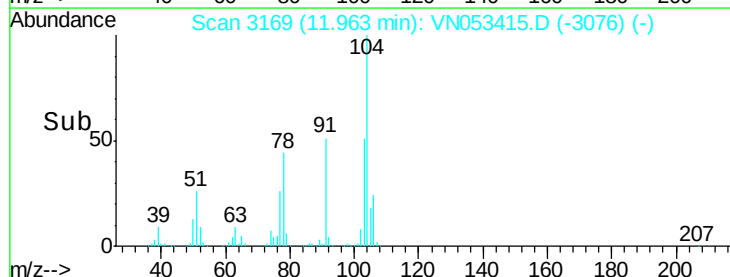
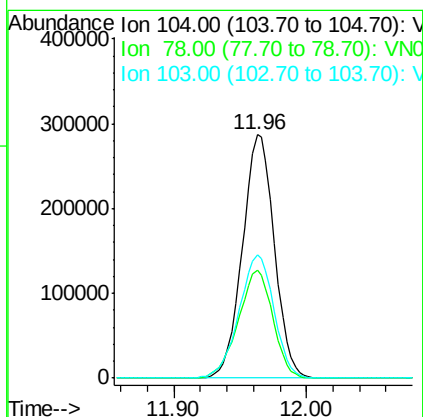
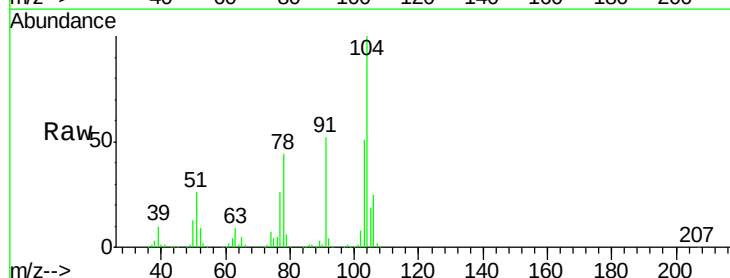
Instrument :
MSVOA_N
ClientSampled :
VN0116WBS01

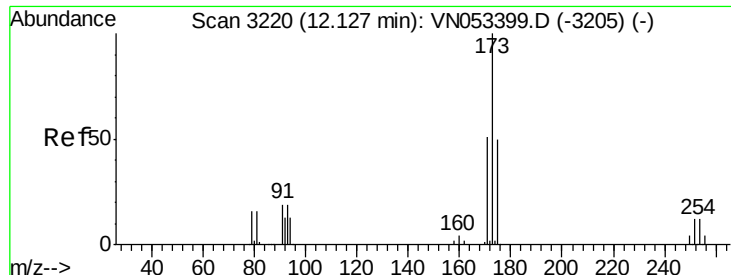
Tot Ion:106 Resp: 292244
Ion Ratio Lower Upper
106 100
91 213.2 106.9 320.8



#70
Styrene
Concen: 21.399 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:104 Resp: 479902
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 21.225 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

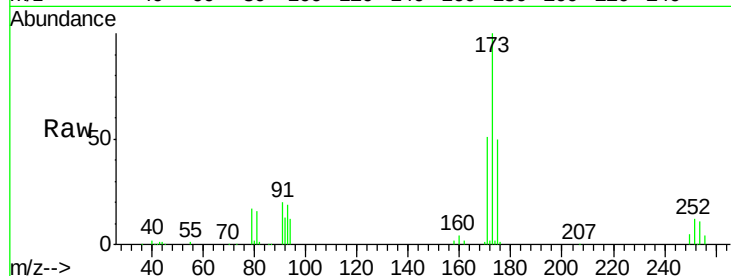
Tot Ion:173 Resp: 112345

Ion Ratio Lower Upper

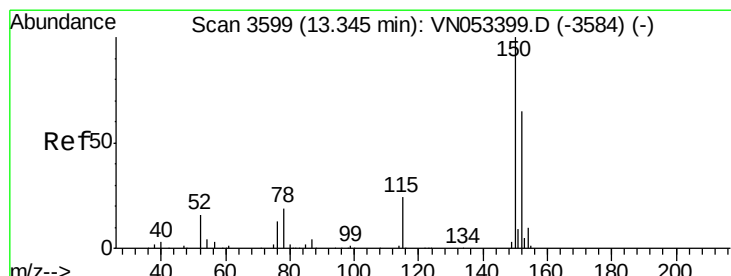
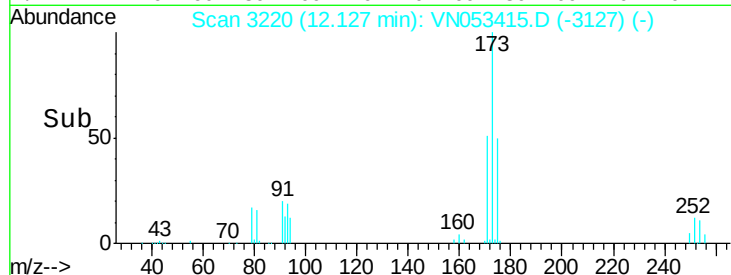
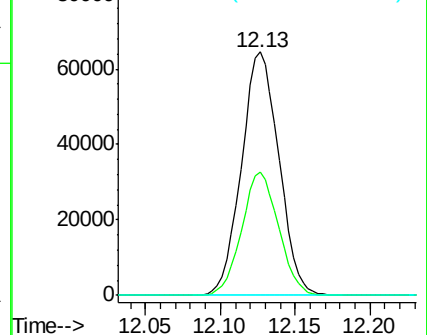
173 100

175 49.8 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

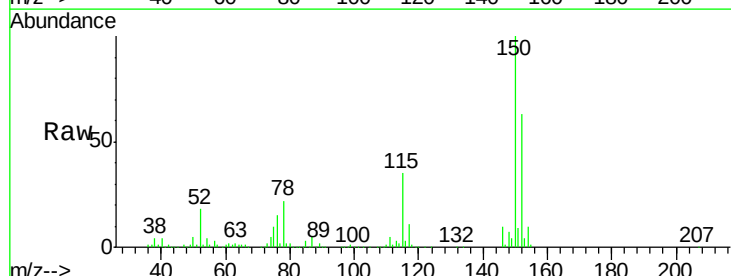
Tgt Ion:152 Resp: 518630

Ion Ratio Lower Upper

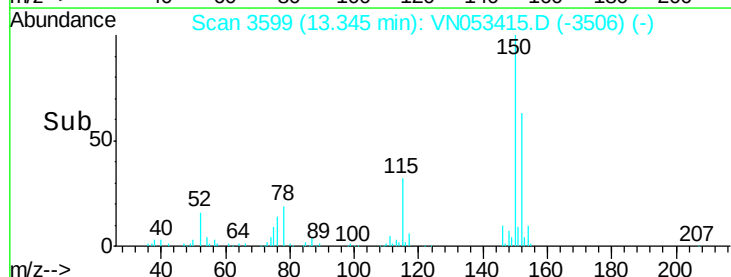
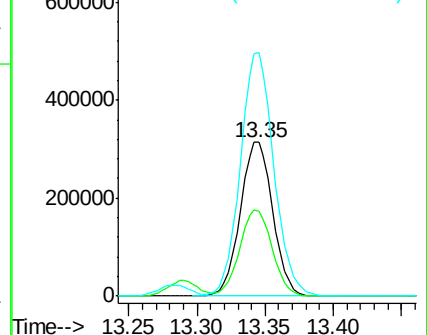
152 100

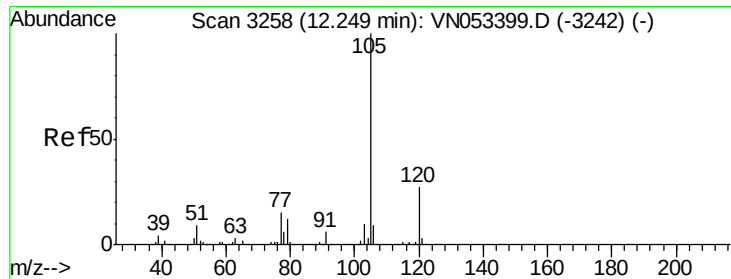
115 56.0 27.8 83.4

150 163.3 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.410 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

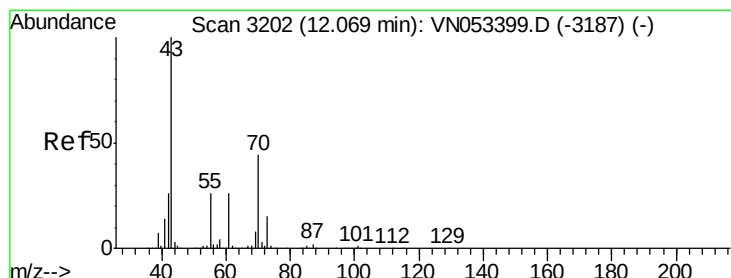
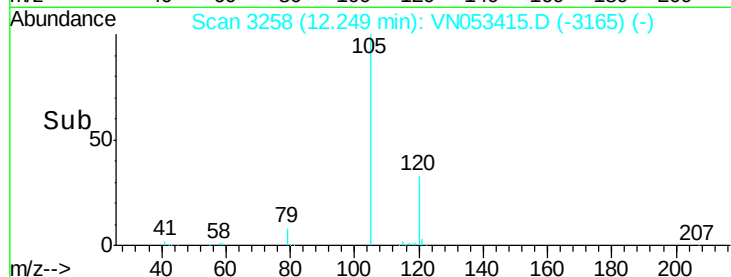
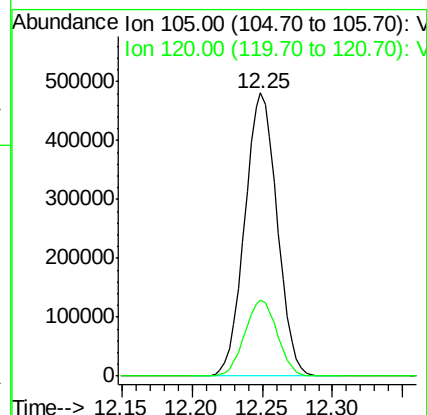
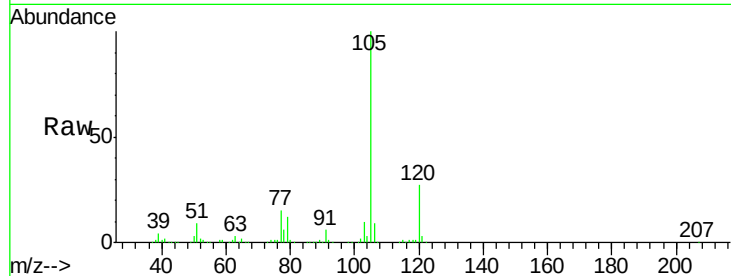
VN0116WBS01

Tot Ion:105 Resp: 775165

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 21.235 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Tgt Ion: 43 Resp: 214995

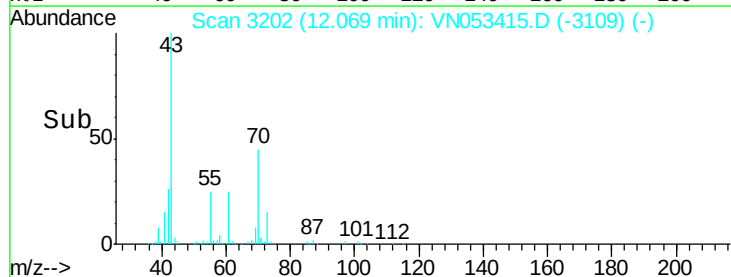
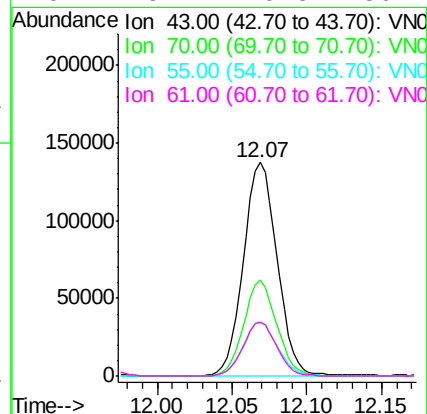
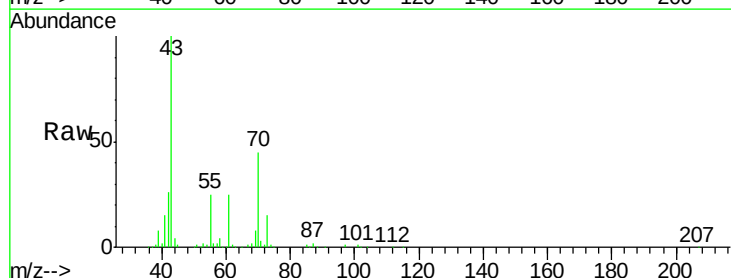
Ion Ratio Lower Upper

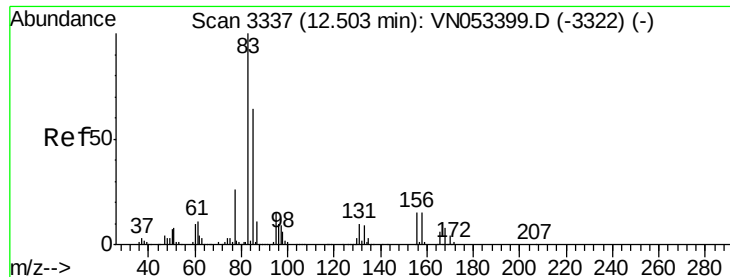
43 100

70 44.2 35.4 53.2

55 25.9 20.9 31.3

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

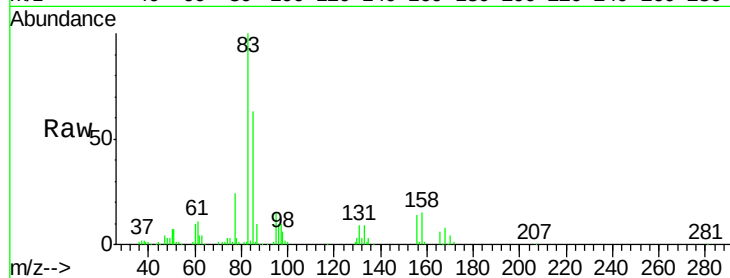
Tot Ion: 83 Resp: 166974

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

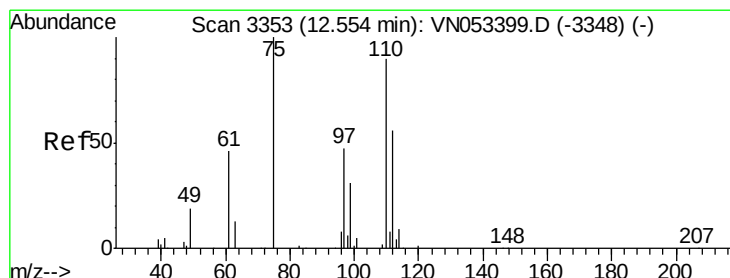
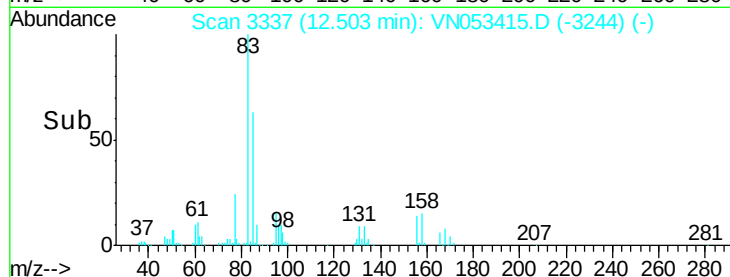
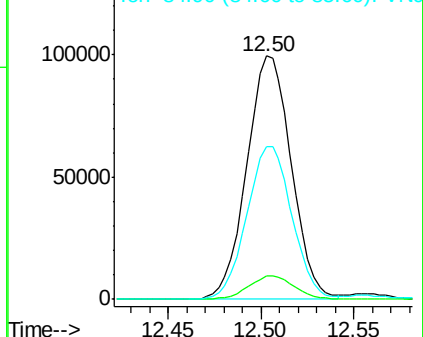
85 63.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 33.504 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053415.D

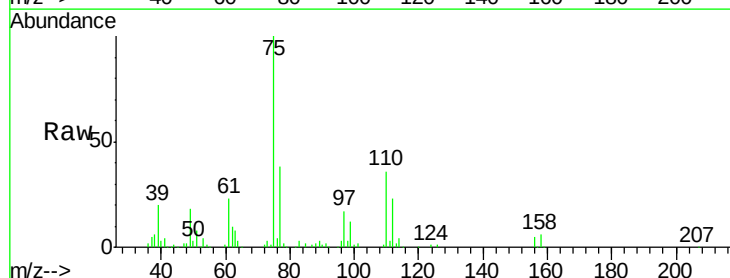
Acq: 16 Jan 2019 10:48

Tgt Ion: 75 Resp: 228988

Ion Ratio Lower Upper

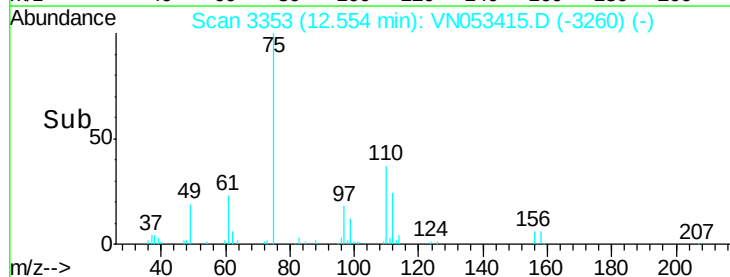
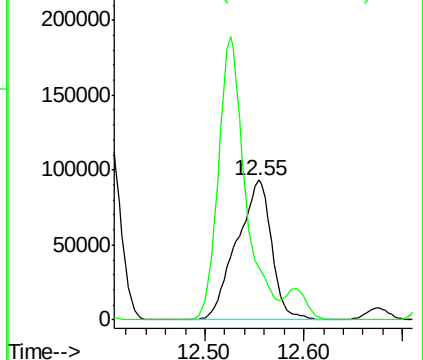
75 100

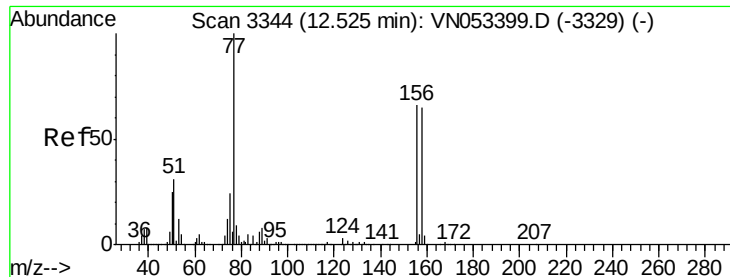
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.392 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBS01

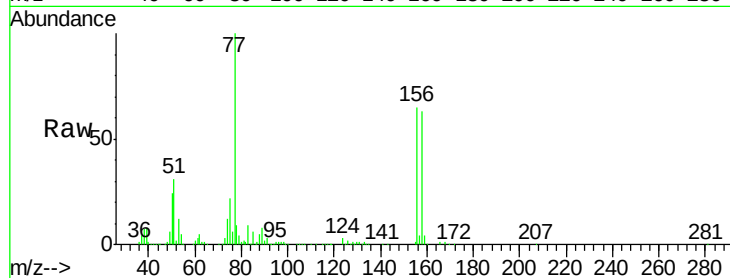
Tot Ion:156 Resp: 204076

Ion Ratio Lower Upper

156 100

77 178.5 87.9 263.8

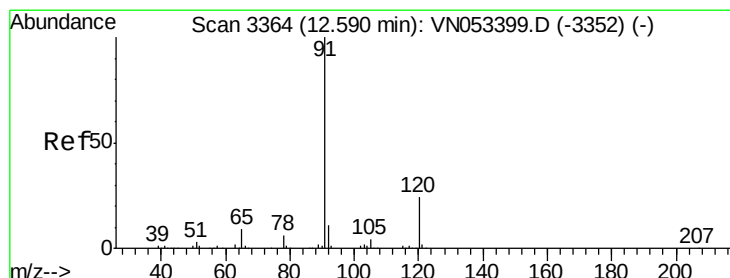
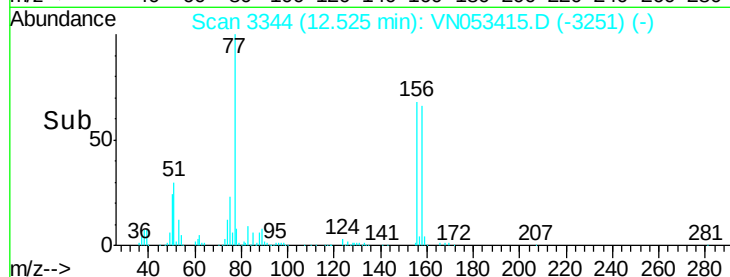
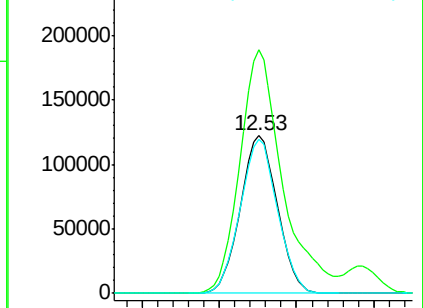
158 98.4 48.8 146.4



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: 20.544 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053415.D

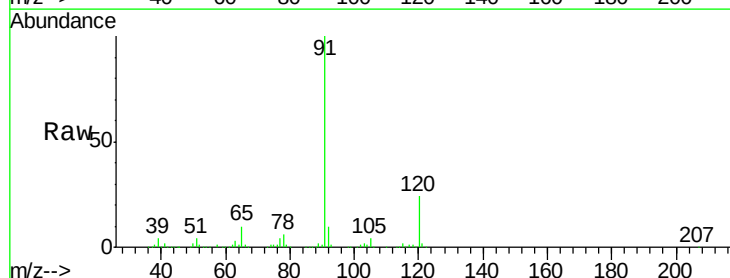
Acq: 16 Jan 2019 10:48

Tgt Ion: 91 Resp: 895647

Ion Ratio Lower Upper

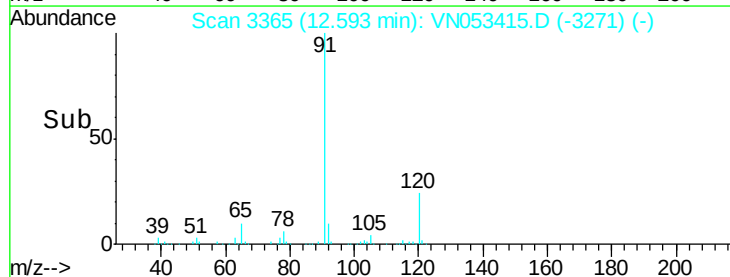
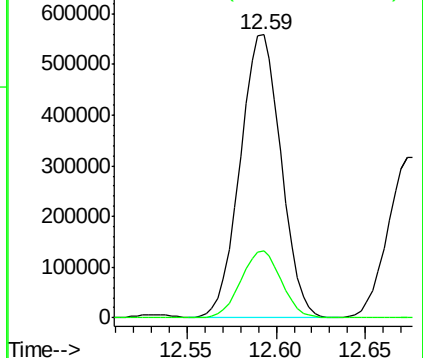
91 100

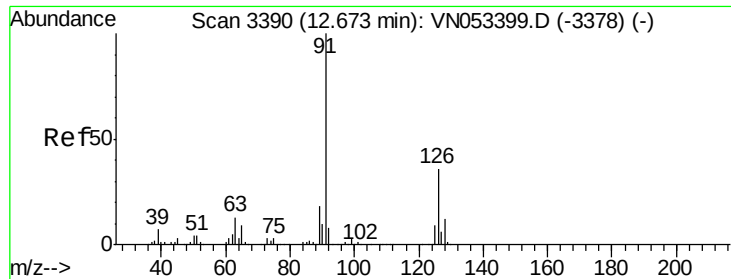
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

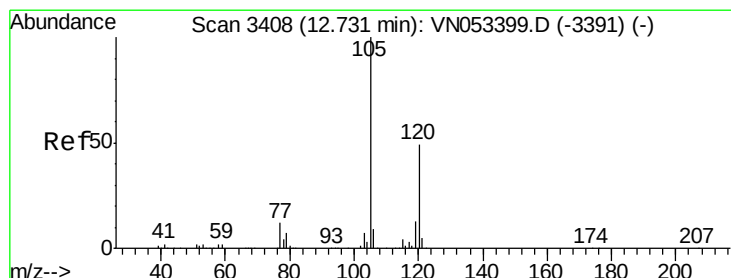
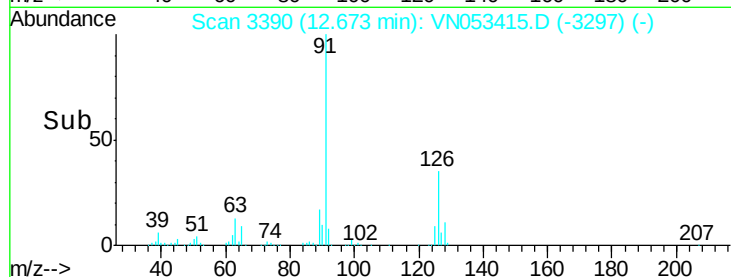
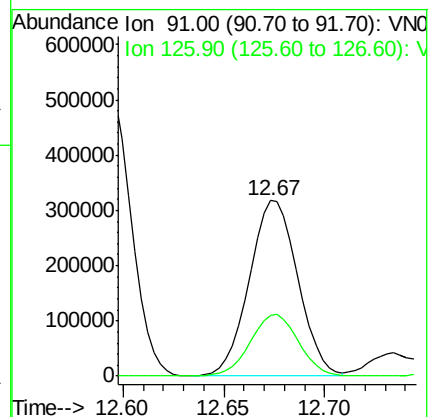
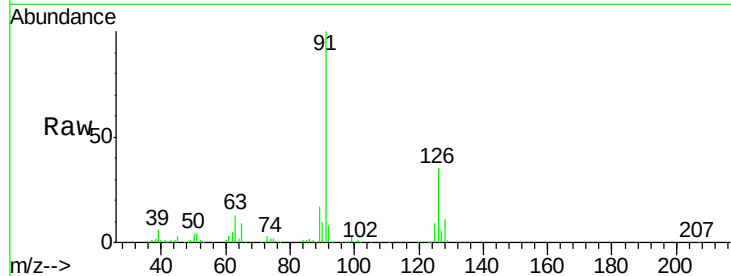
VN0116WBS01

Tot Ion: 91 Resp: 533785

Ion Ratio Lower Upper

91 100

126 35.0 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.884 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053415.D

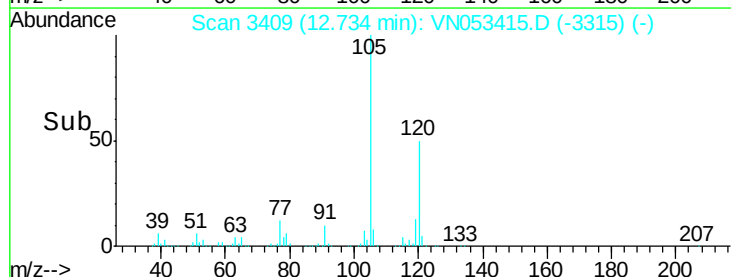
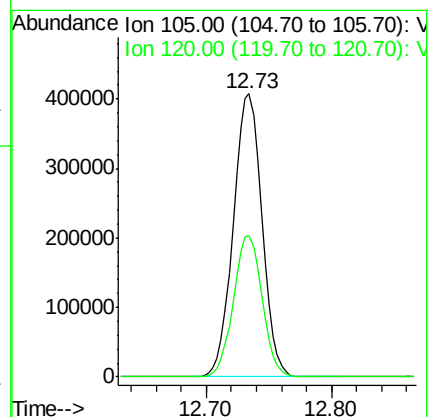
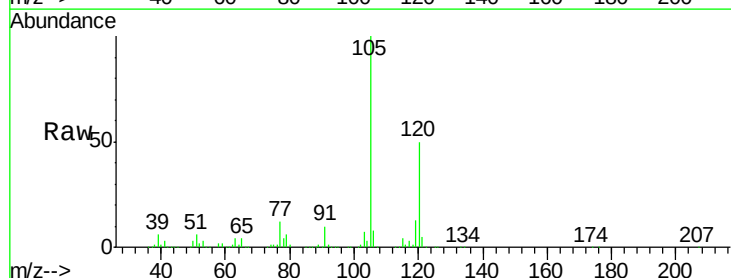
Acq: 16 Jan 2019 10:48

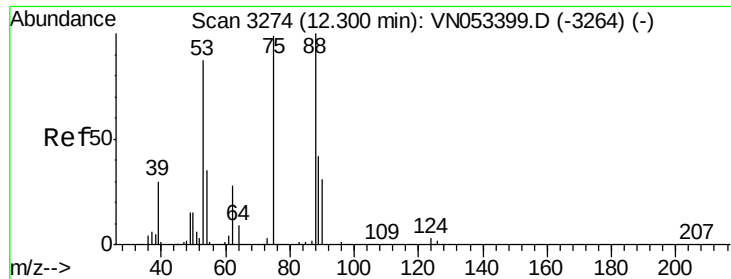
Tgt Ion: 105 Resp: 645346

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.382 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

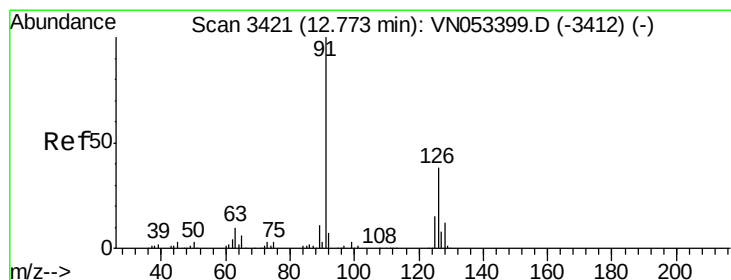
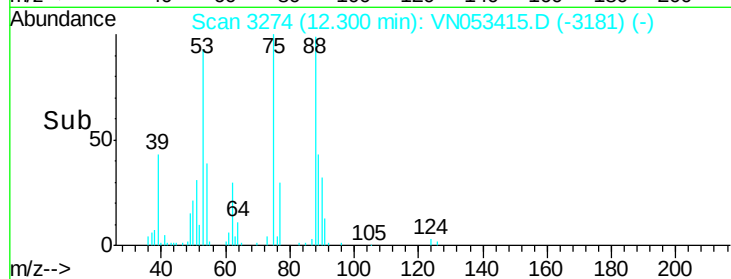
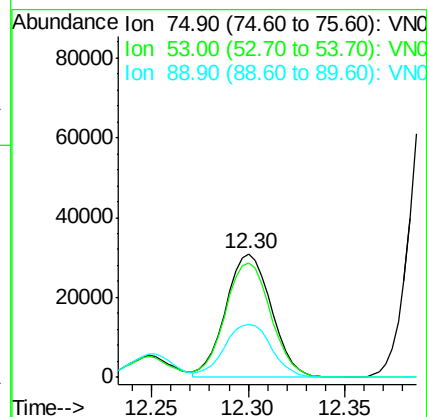
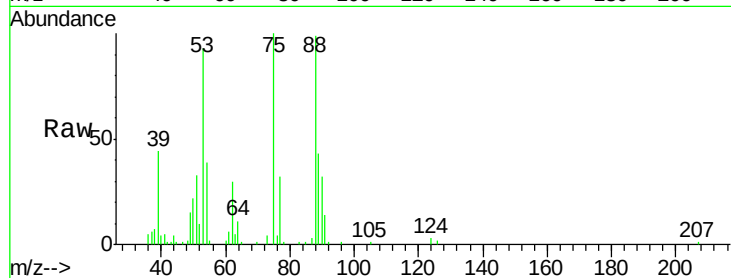
Tot Ion: 75 Resp: 50775

Ion Ratio Lower Upper

75 100

53 92.4 69.8 104.6

89 44.8 35.6 53.4



#82

4-Chlorotoluene

Concen: 20.529 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053415.D

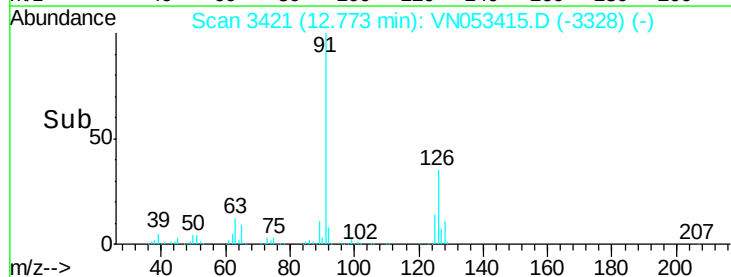
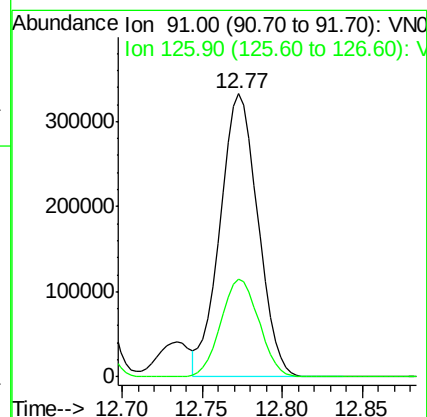
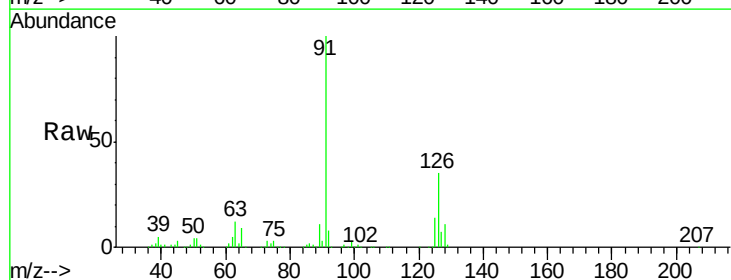
Acq: 16 Jan 2019 10:48

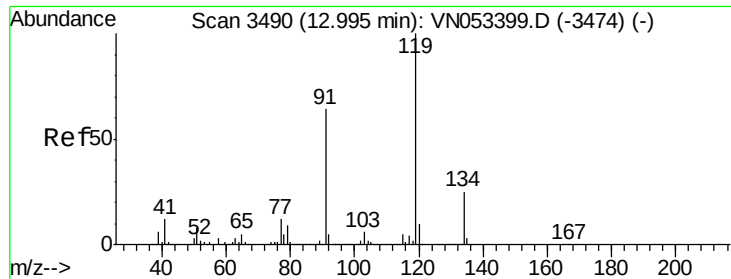
Tgt Ion: 91 Resp: 540988

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9

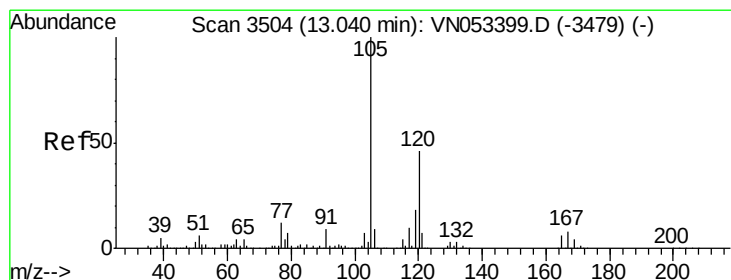
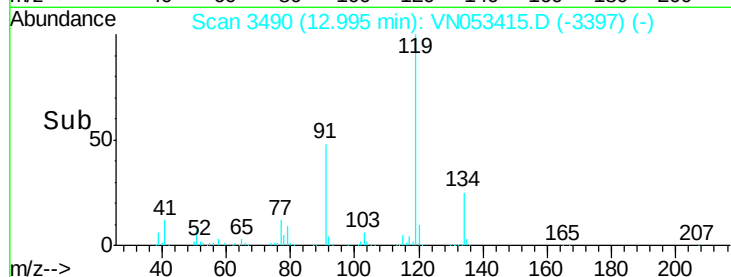
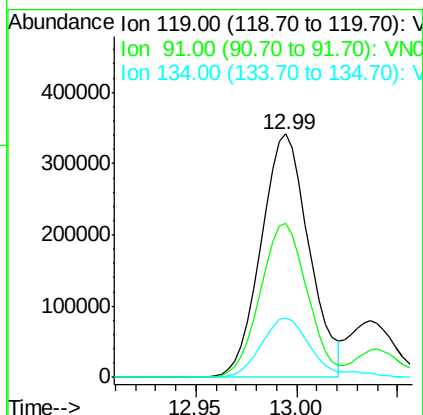
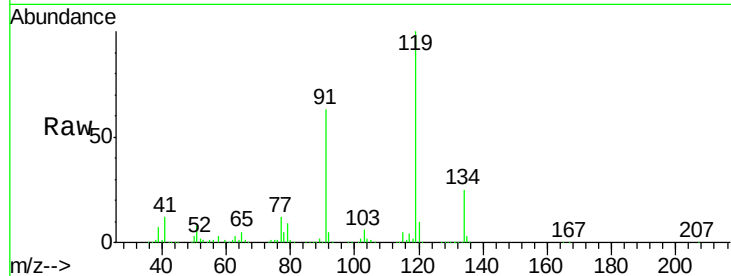




#83
 tert-Butylbenzene
 Concen: 20.714 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

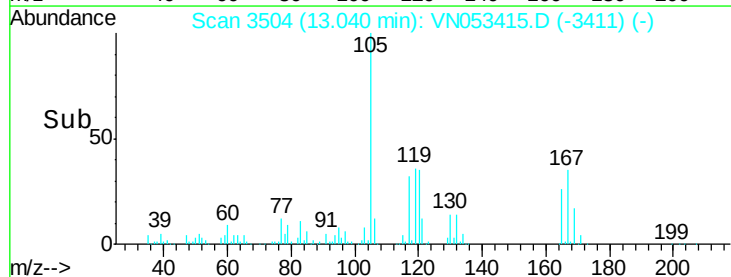
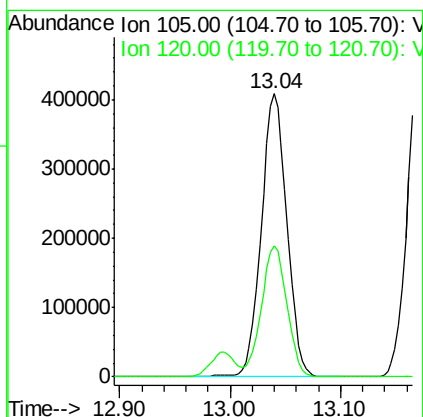
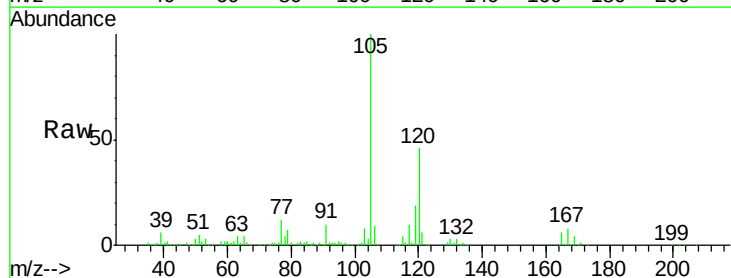
Instrument :
 MSVOA_N
 ClientSampled :
 VN0116WBS01

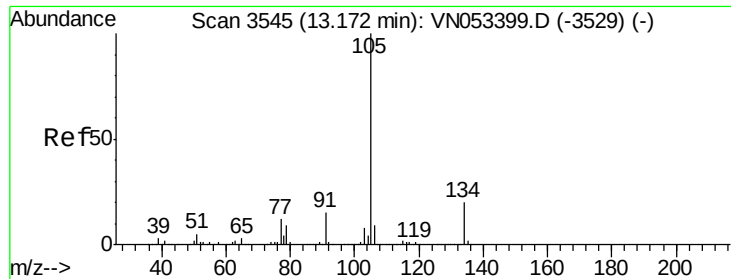
Tot Ion:119 Resp: 565353
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 25.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.009 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion:105 Resp: 654583
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.522 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

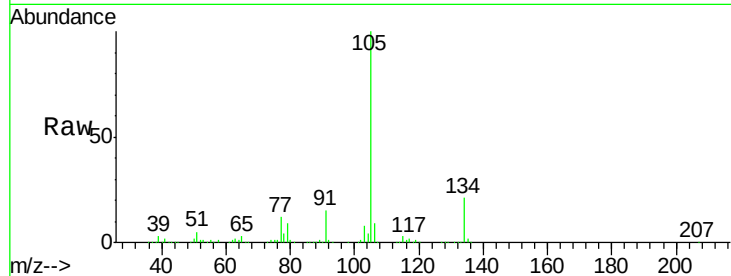
VN0116WBS01

Tot Ion:105 Resp: 768153

Ion Ratio Lower Upper

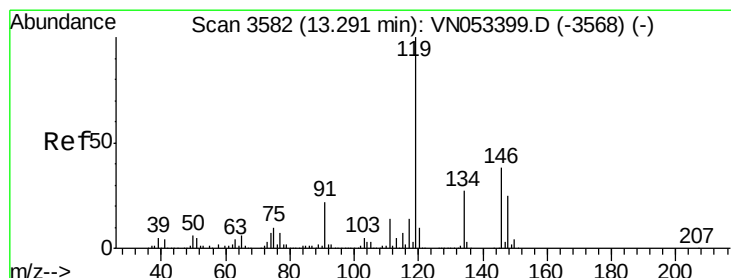
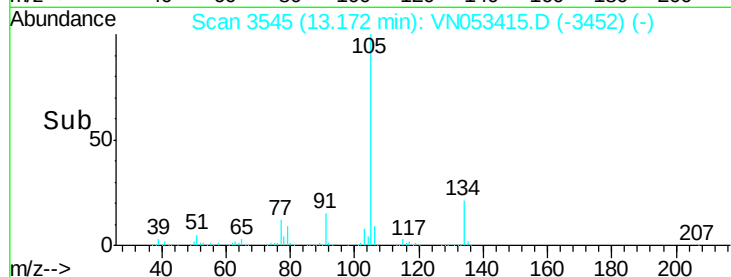
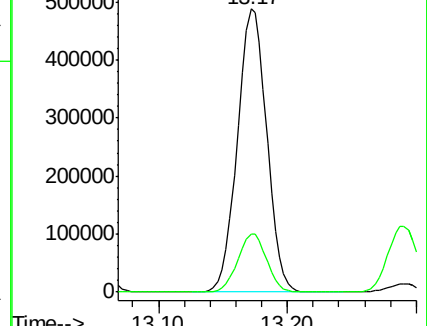
105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.777 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

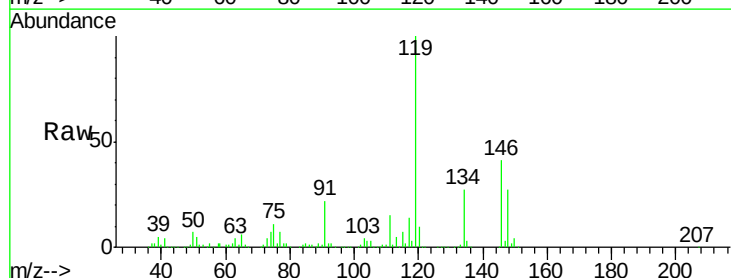
Tgt Ion:119 Resp: 675254

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

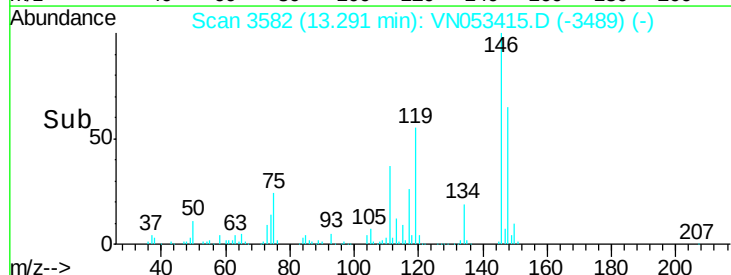
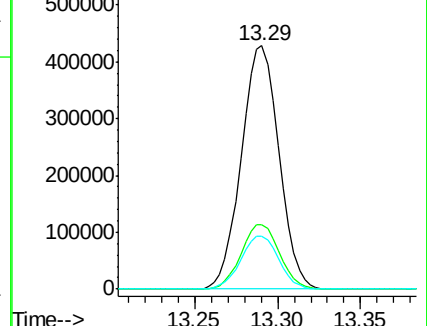
91 22.0 11.0 33.0

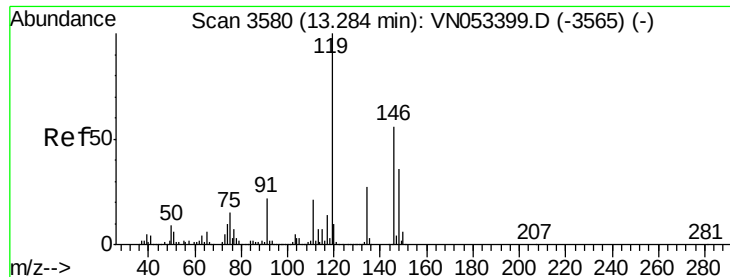


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

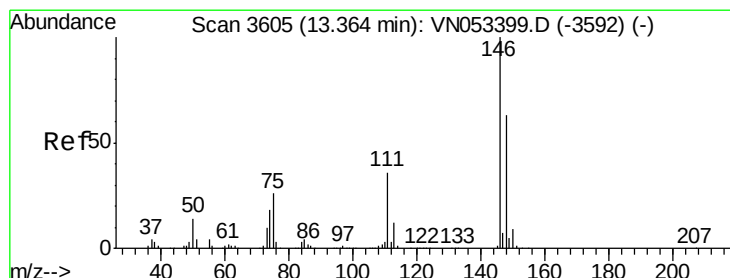
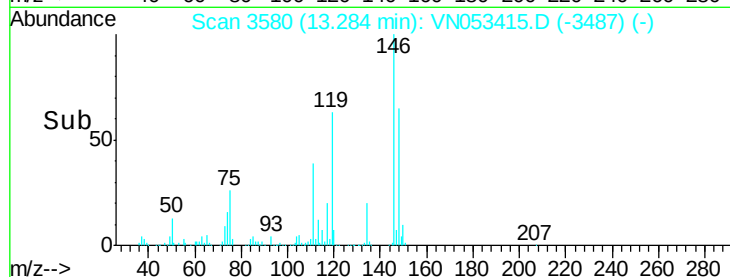
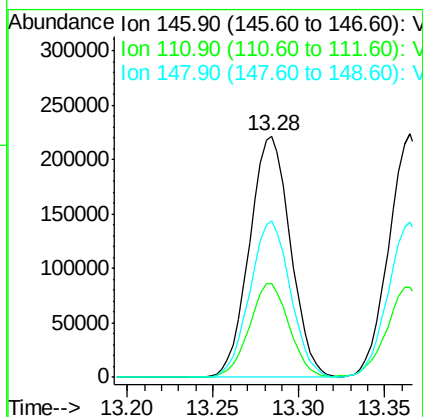
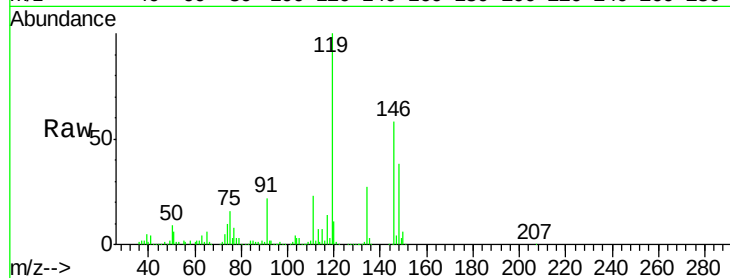




#87
 1,3-Dichlorobenzene
 Concen: 20.778 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

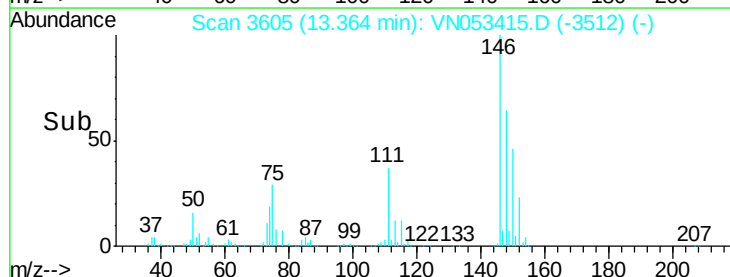
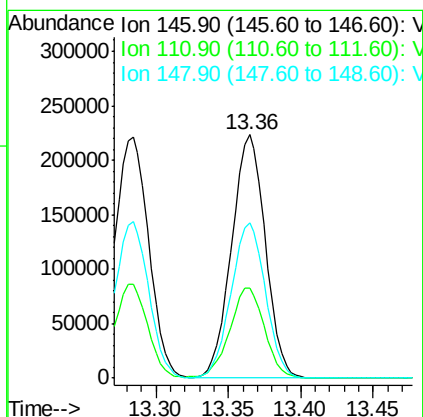
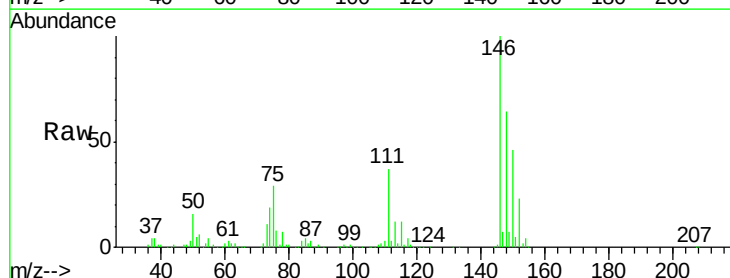
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

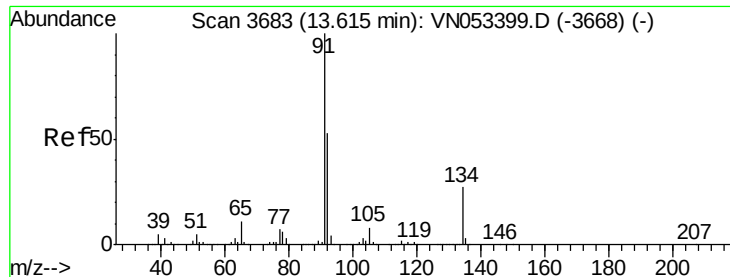
Tot Ion:146 Resp: 365768
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.414 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion:146 Resp: 360481
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.8
 148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 20.519 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053415.D

Acq: 16 Jan 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

VN0116WBS01

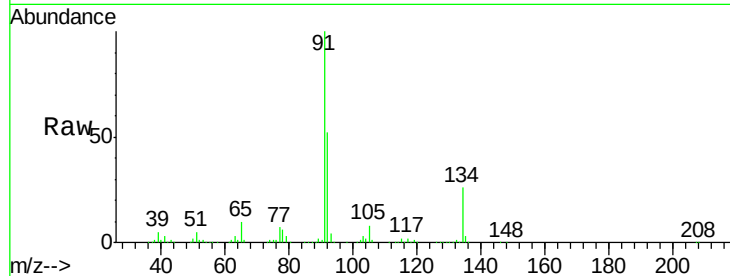
Tot Ion: 91 Resp: 568439

Ion Ratio Lower Upper

91 100

92 52.0 26.3 78.8

134 26.6 13.5 40.5

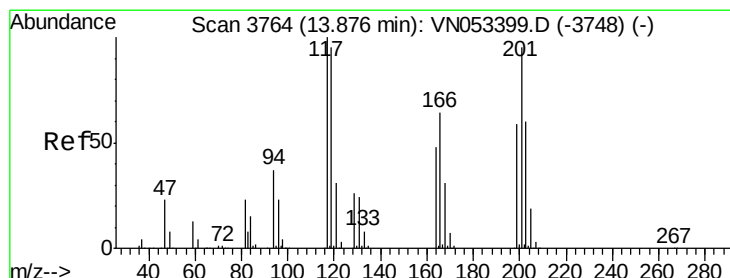
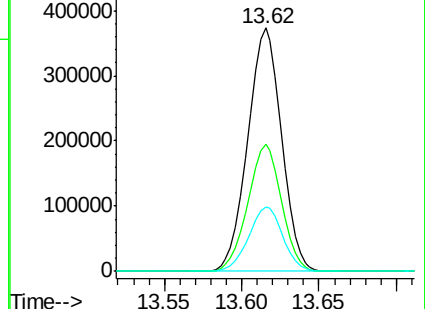
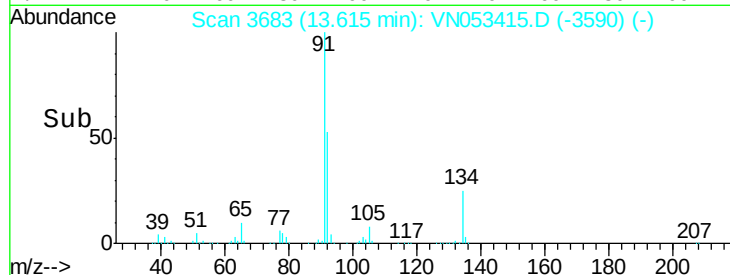


Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 20.058 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053415.D

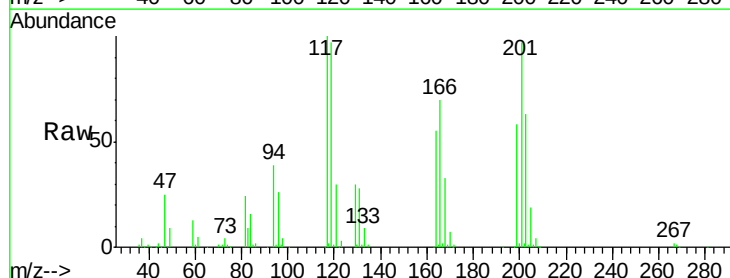
Acq: 16 Jan 2019 10:48

Tgt Ion: 117 Resp: 102239

Ion Ratio Lower Upper

117 100

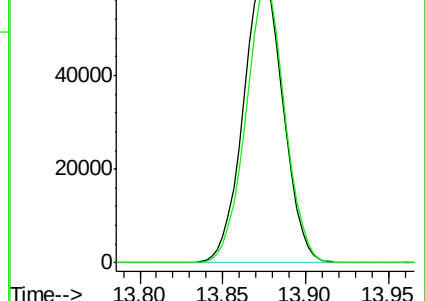
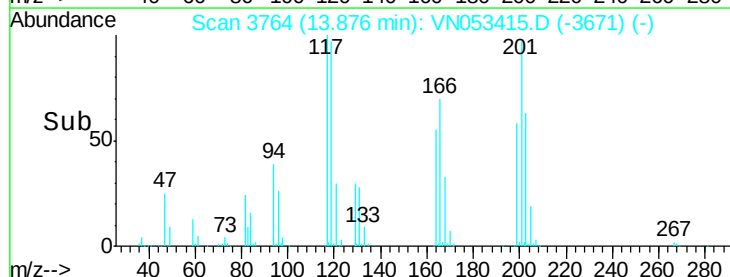
201 94.4 46.8 140.4

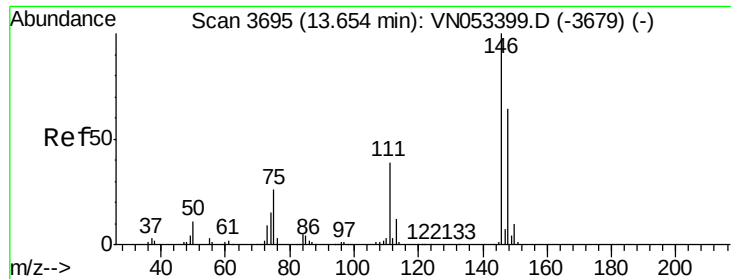


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

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

Time-->

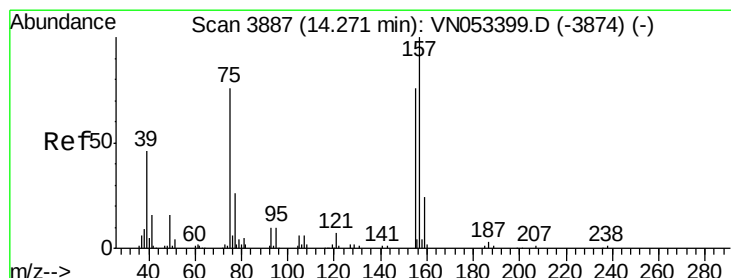
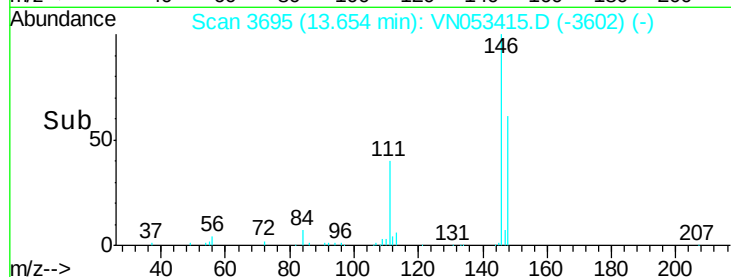
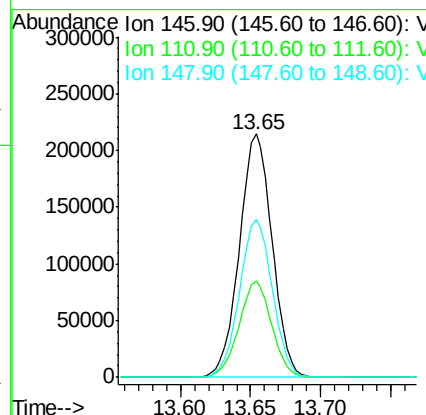
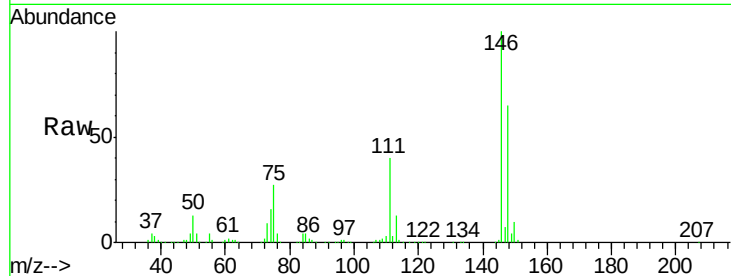




#91
 1,2-Dichlorobenzene
 Concen: 21.540 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

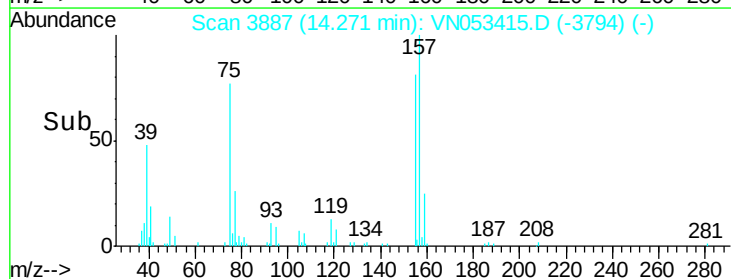
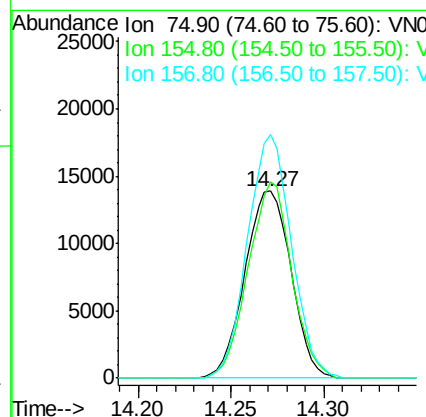
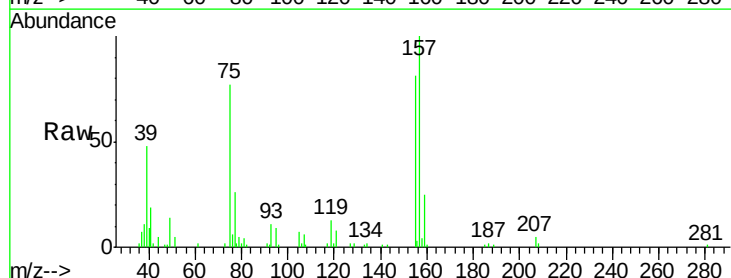
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

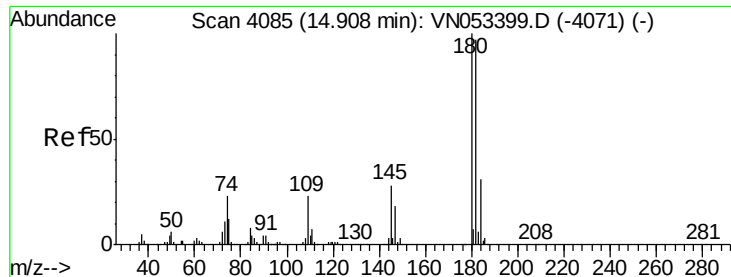
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	65.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.916 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	48.9	146.7
157	123.5	63.7	191.3

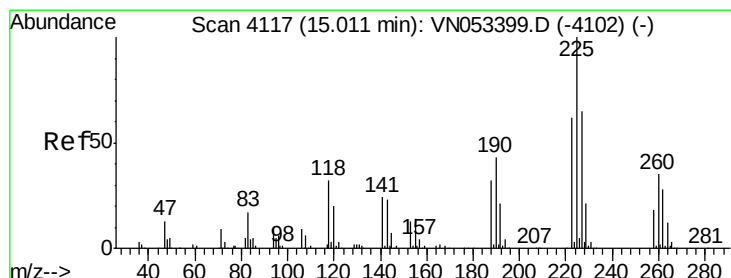
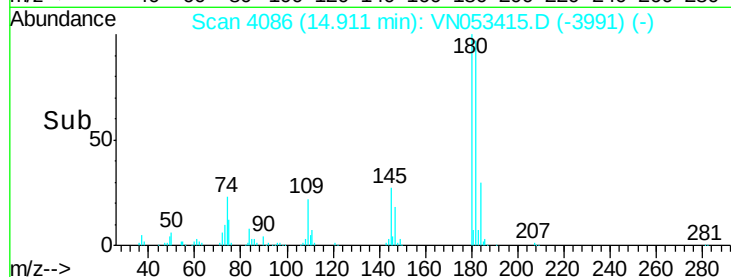
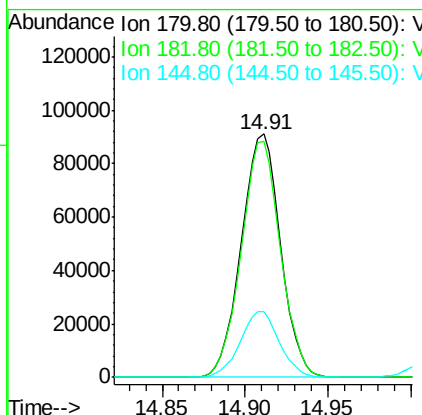
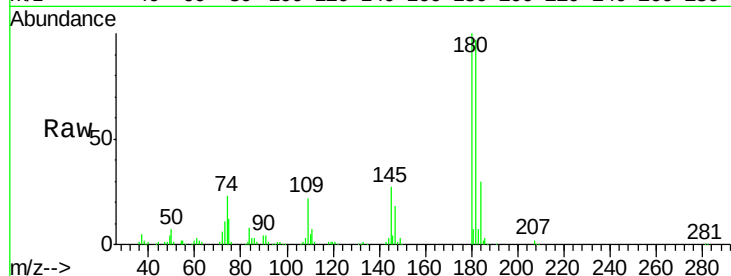




#93
 1,2,4-Trichlorobenzene
 Concen: 22.563 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

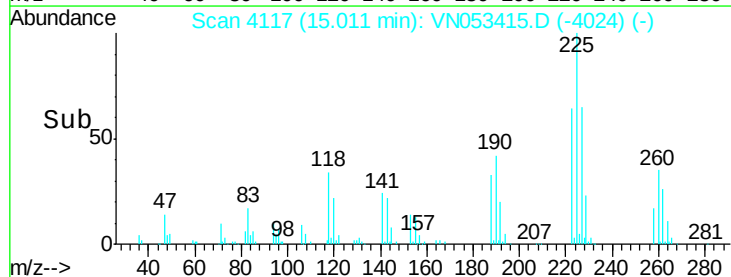
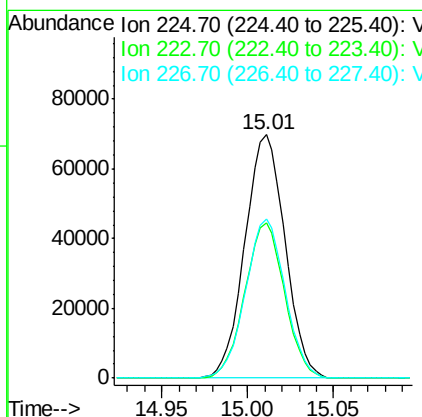
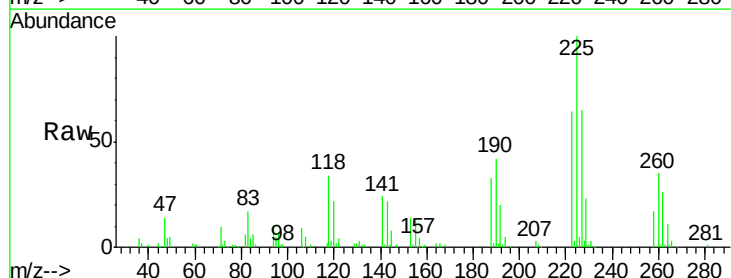
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBS01

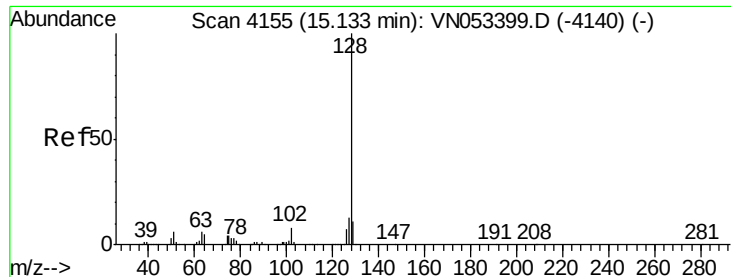
Tot Ion:180 Resp: 149748
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.1 144.3
 145 27.0 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 22.382 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053415.D
 Acq: 16 Jan 2019 10:48

Tgt Ion:225 Resp: 113080
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.5 32.0 96.2

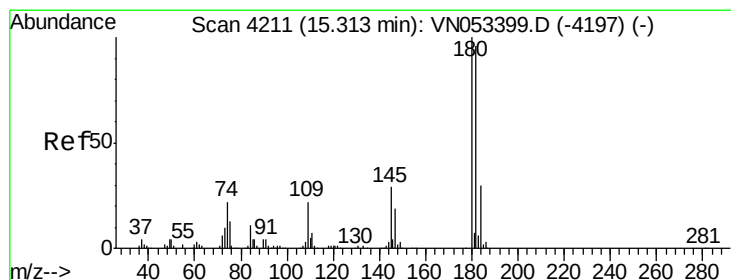
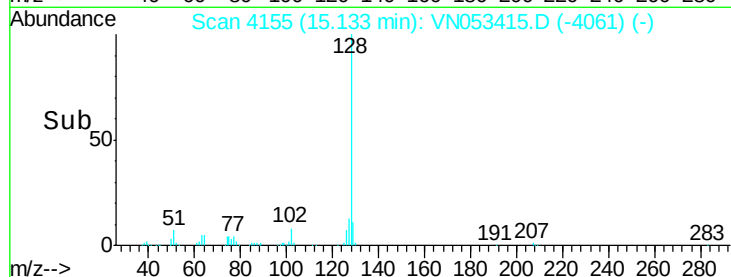
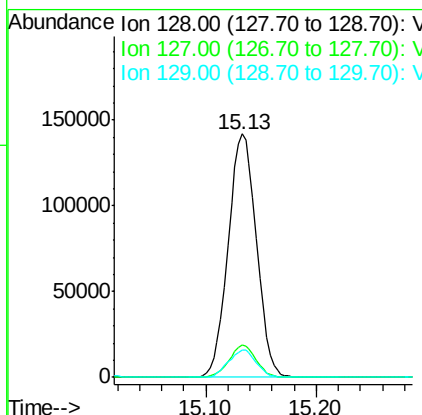
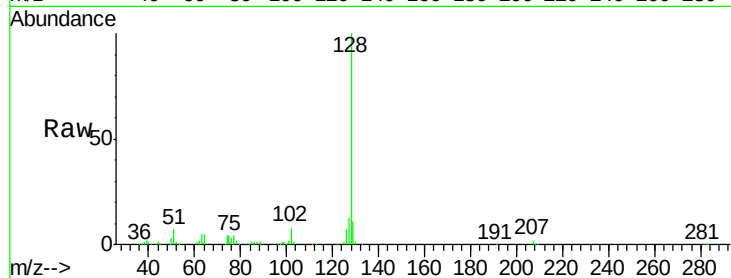




#95
Naphthalene
Concen: 22.457 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBS01

Tot Ion:128 Resp: 252025
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 23.142 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053415.D
Acq: 16 Jan 2019 10:48

Tgt Ion:180 Resp: 109113
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.8
145 29.0 14.7 44.1

