

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054349.D
 Acq On : 16 Mar 2019 20:52
 Operator : JC/SP
 Sample : VN0316WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

Quant Time: Mar 18 04:54:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1283011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1952453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1698639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	756581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	693553	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	7.59	113	646987	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.09	98	2304321	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	772653	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	250678	20.616	ug/l	99
3) Chloromethane	2.06	50	230249	19.493	ug/l	98
4) Vinyl Chloride	2.19	62	272180	20.161	ug/l	100
5) Bromomethane	2.57	94	169620	18.141	ug/l	96
6) Chloroethane	2.71	64	161855	19.815	ug/l	96
7) Trichlorofluoromethane	3.02	101	351362	19.575	ug/l	99
8) Diethyl Ether	3.41	74	178704	21.848	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	276481	20.556	ug/l	99
10) Methyl Iodide	3.94	142	391685	21.389	ug/l	100
11) Tert butyl alcohol	4.82	59	83660	89.563	ug/l	100
12) 1,1-Dichloroethene	3.73	96	282893	21.224	ug/l	98
13) Acrolein	3.61	56	77703	87.786	ug/l	99
14) Allyl chloride	4.32	41	331358	19.376	ug/l	98
15) Acrylonitrile	5.00	53	422978	110.237	ug/l	98
16) Acetone	3.82	43	309223	79.261	ug/l	99
17) Carbon Disulfide	4.04	76	537134	16.075	ug/l	99
18) Methyl Acetate	4.33	43	200146	25.357	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	707227	21.406	ug/l	98
20) Methylene Chloride	4.55	84	276043	21.549	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	262482	20.553	ug/l	97
22) Diisopropyl ether	5.96	45	740602	21.698	ug/l	98
23) Vinyl Acetate	5.90	43	2528777	100.485	ug/l	100
24) 1,1-Dichloroethane	5.85	63	468293	21.368	ug/l	99
25) 2-Butanone	6.85	43	477433	104.267	ug/l	98
26) 2,2-Dichloropropane	6.82	77	283163	14.693	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	308598	21.660	ug/l	96
28) Bromochloromethane	7.20	49	199174	22.231	ug/l	96
29) Tetrahydrofuran	7.22	42	311208	105.706	ug/l	99
30) Chloroform	7.37	83	498121	21.782	ug/l	99
31) Cyclohexane	7.65	56	408837	19.197	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	419013	20.288	ug/l	99
36) 1,1-Dichloropropene	7.79	75	355888	19.793	ug/l	99
37) Ethyl Acetate	6.94	43	215422	20.851	ug/l	99
38) Carbon Tetrachloride	7.77	117	357776	18.974	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	404280	18.274	ug/l	99
40) Benzene	8.04	78	1101964	21.417	ug/l	98
41) Methacrylonitrile	7.18	41	123315	20.905	ug/l	98
42) 1,2-Dichloroethane	8.12	62	366060	21.073	ug/l	98
43) Isopropyl Acetate	8.17	43	348141	19.198	ug/l	99
44) Trichloroethene	8.83	130	327852	20.512	ug/l	99
45) 1,2-Dichloropropane	9.12	63	277755	21.740	ug/l	99
46) Dibromomethane	9.21	93	186499	21.605	ug/l	98
47) Bromodichloromethane	9.40	83	349002	20.167	ug/l	99
48) Methyl methacrylate	9.20	41	191424	20.800	ug/l	98
49) 1,4-Dioxane	9.20	88	56964	437.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1026947	107.009	ug/l	98
52) Toluene	10.16	92	683476	20.950	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	301433	16.610	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	378397	18.764	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258700	21.717	ug/l	98
56) Ethyl methacrylate	10.43	69	296685	20.887	ug/l	98
57) 1,3-Dichloropropane	10.71	76	420948	21.611	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	545286	99.359	ug/l	99
59) 2-Hexanone	10.75	43	637161	99.780	ug/l	99
60) Dibromochloromethane	10.90	129	257035	19.170	ug/l	99
61) 1,2-Dibromoethane	11.01	107	253252	20.920	ug/l	99
64) Tetrachloroethene	10.63	164	334307	20.356	ug/l	100
65) Chlorobenzene	11.43	112	786278	21.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	278977	20.590	ug/l	98
67) Ethyl Benzene	11.51	91	1292574	20.906	ug/l	100
68) m/p-Xylenes	11.62	106	1002850	41.500	ug/l	100
69) o-Xylene	11.95	106	500410	21.243	ug/l	99
70) Styrene	11.96	104	775006	20.977	ug/l	99
71) Bromoform	12.13	173	157127	16.848	ug/l #	100
73) Isopropylbenzene	12.25	105	1301703	21.505	ug/l	100
74) N-amyl acetate	12.07	43	275341	20.493	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	288480	22.369	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	325398	29.247	ug/l #	100
77) Bromobenzene	12.53	156	348957	21.786	ug/l	97
78) n-propylbenzene	12.59	91	1385406	21.093	ug/l	100
79) 2-Chlorotoluene	12.68	91	849943	21.522	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1056230	20.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44456	13.659	ug/l #	81
82) 4-Chlorotoluene	12.77	91	825896	20.944	ug/l	99
83) tert-Butylbenzene	12.99	119	974027	21.018	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1048572	21.228	ug/l	100
85) sec-Butylbenzene	13.17	105	1205939	20.065	ug/l	99
86) p-Isopropyltoluene	13.29	119	1037019	19.668	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	568396	21.060	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	558143	21.051	ug/l	99
89) n-Butylbenzene	13.62	91	743682	18.563	ug/l	99
90) Hexachloroethane	13.88	117	147994	16.951	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	576804	21.861	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38359	19.221	ug/l	99

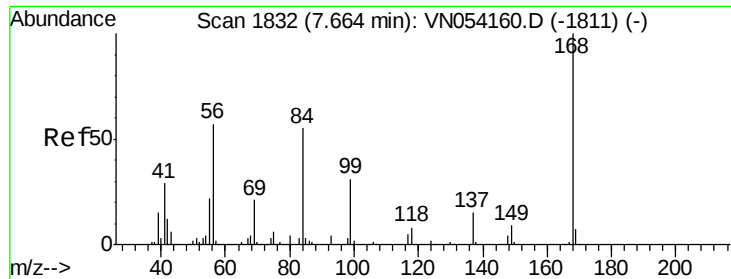
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Data File : VN054349.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	256292	17.796	ug/l	98
94) Hexachlorobutadiene	15.01	225	167584	16.675	ug/l	99
95) Naphthalene	15.13	128	548872	18.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	268940	19.184	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

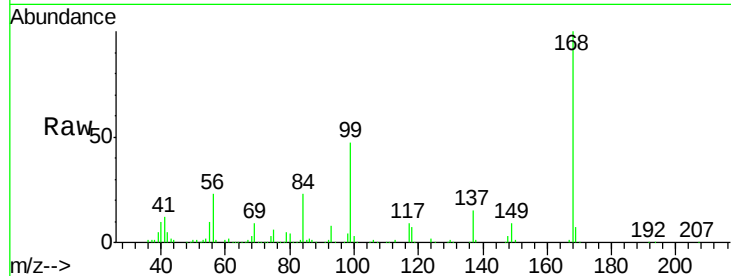
VN0316WBSD01

Tot Ion:168 Resp: 1283011

Ion Ratio Lower Upper

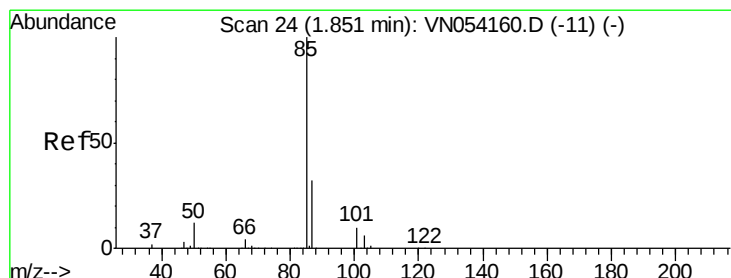
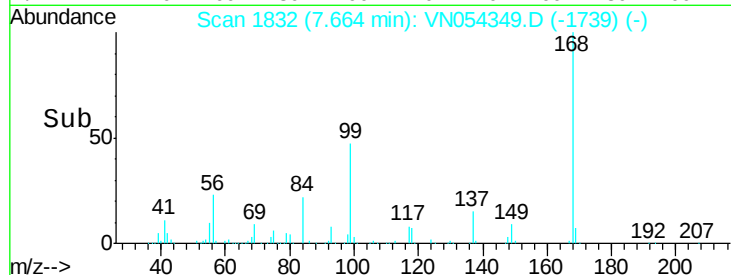
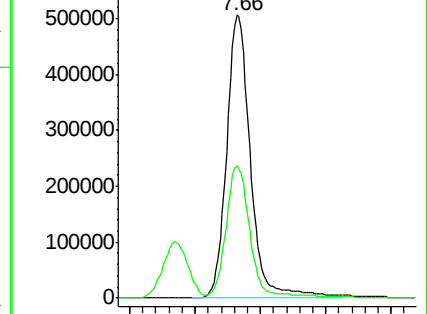
168 100

99 46.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.616 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054349.D

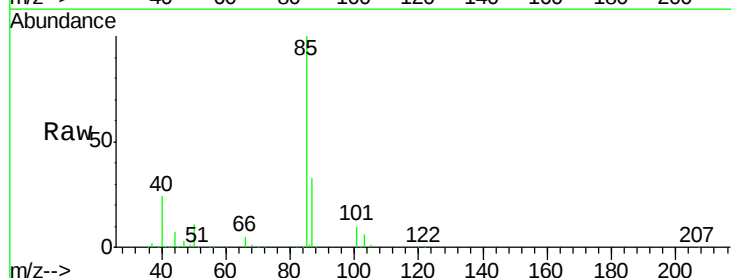
Acq: 16 Mar 2019 20:52

Tgt Ion: 85 Resp: 250678

Ion Ratio Lower Upper

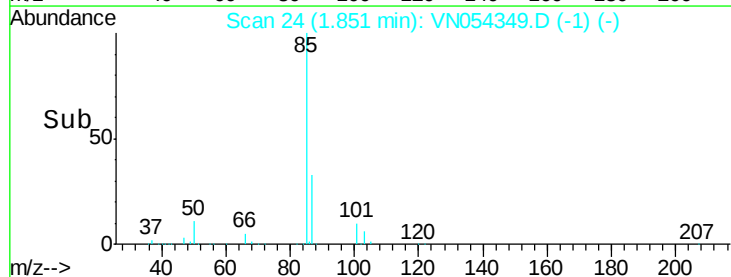
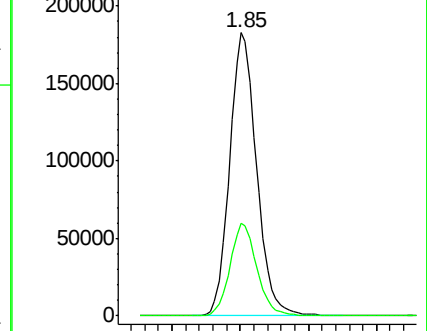
85 100

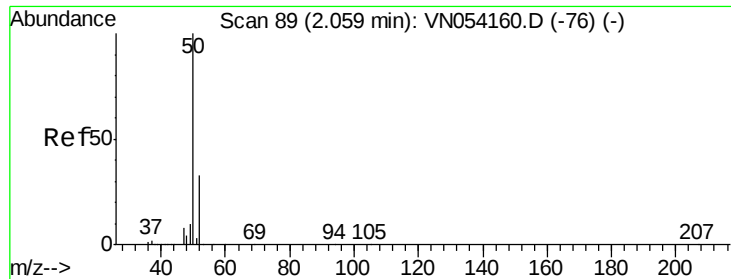
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.493 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

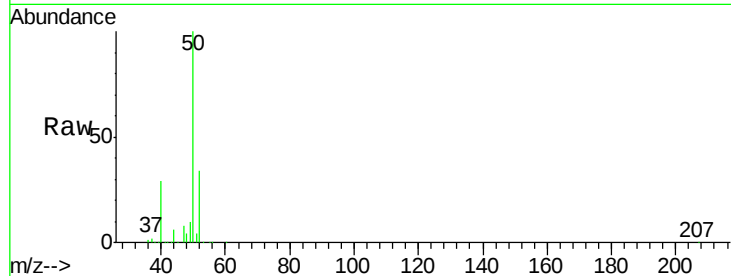
VN0316WBSD01

Tot Ion: 50 Resp: 230249

Ion Ratio Lower Upper

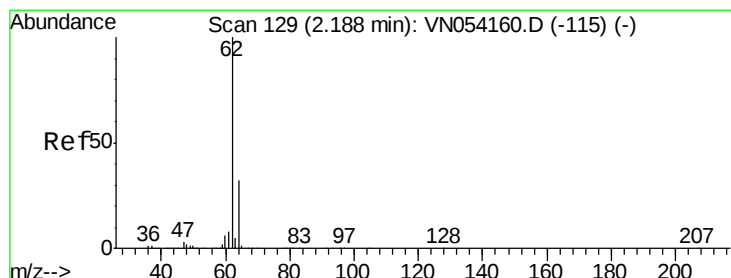
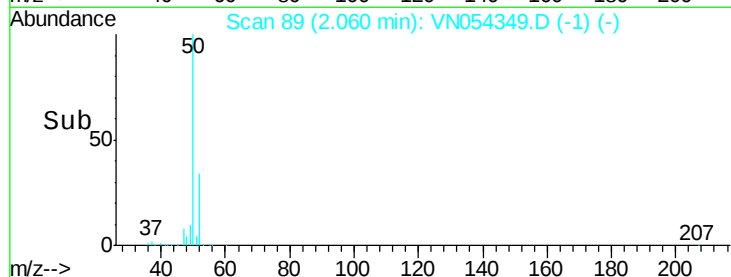
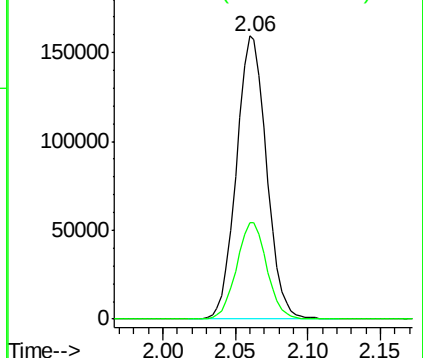
50 100

52 34.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.161 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054349.D

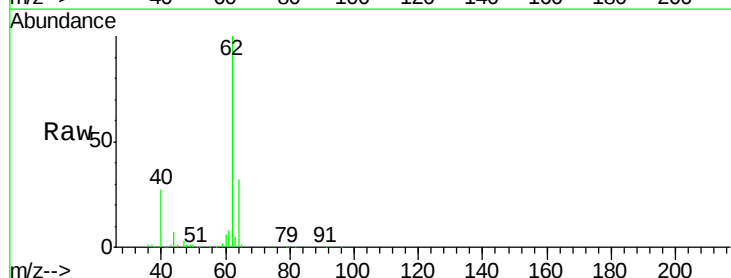
Acq: 16 Mar 2019 20:52

Tgt Ion: 62 Resp: 272180

Ion Ratio Lower Upper

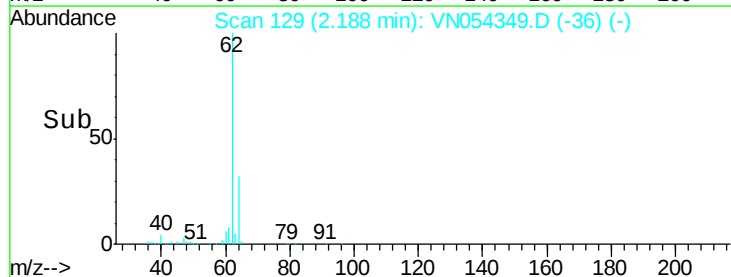
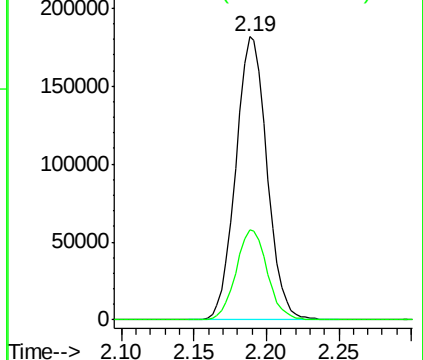
62 100

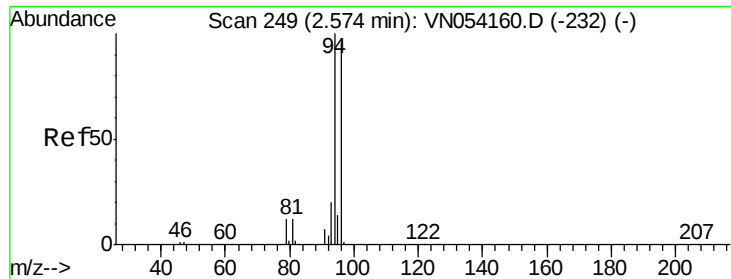
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.141 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

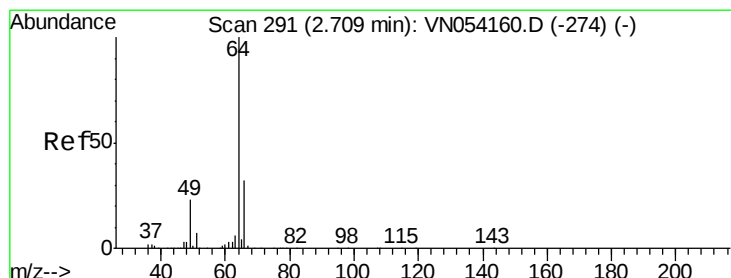
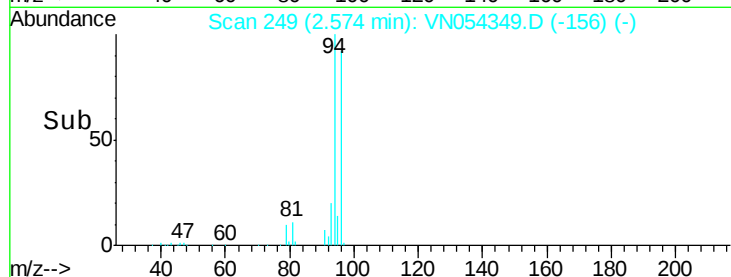
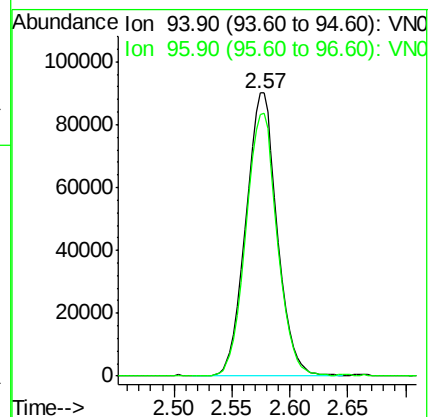
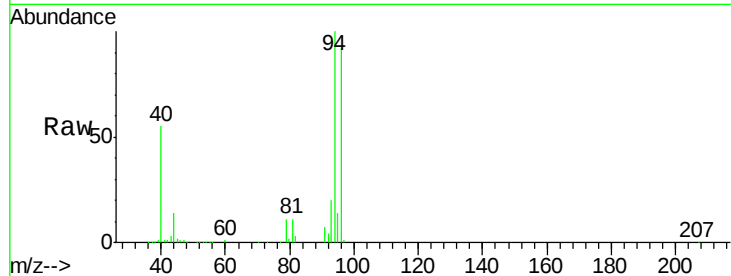
VN0316WBSD01

Tot Ion: 94 Resp: 169620

Ion Ratio Lower Upper

94 100

96 92.4 77.0 115.4



#6

Chloroethane

Concen: 19.815 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054349.D

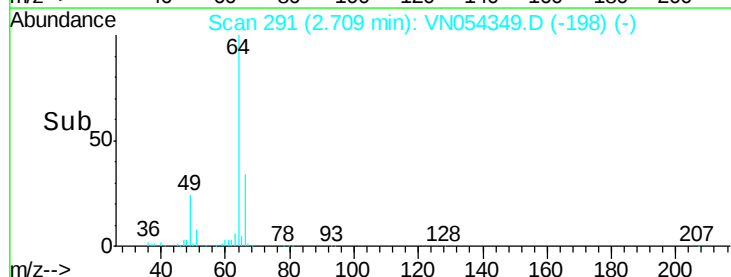
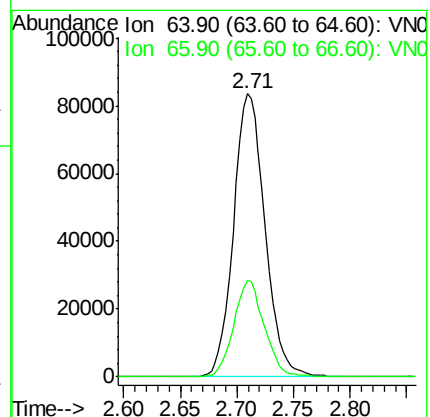
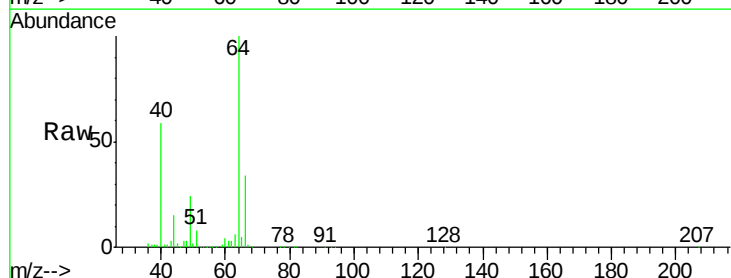
Acq: 16 Mar 2019 20:52

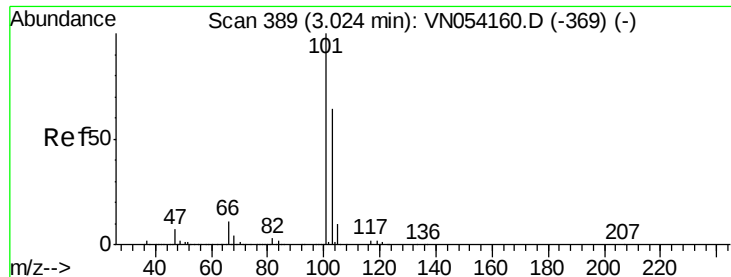
Tgt Ion: 64 Resp: 161855

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5



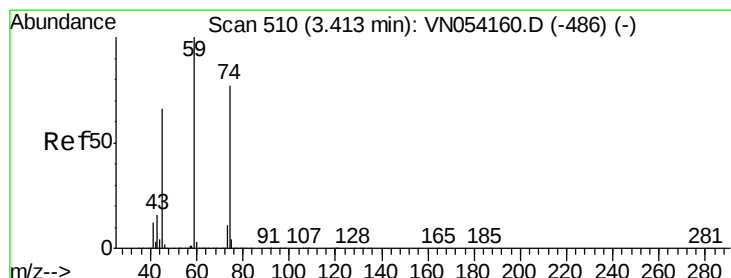
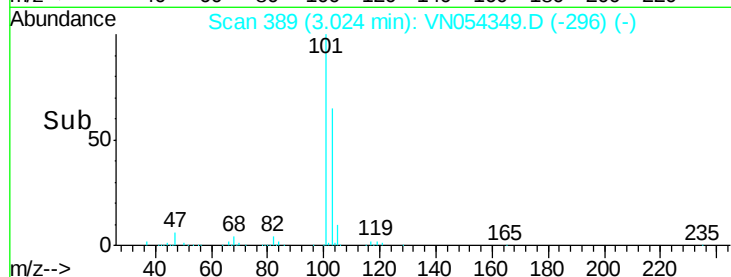
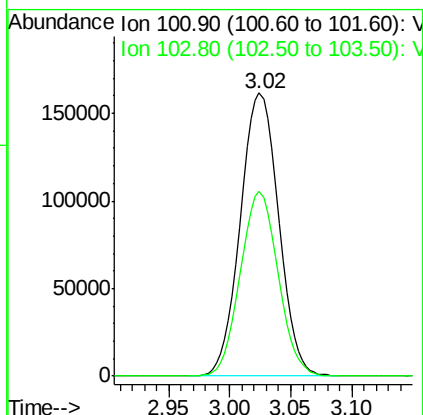
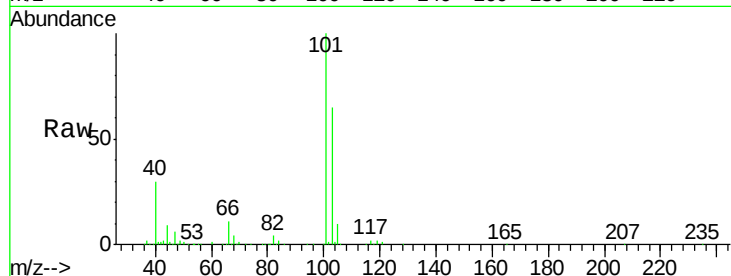


#7

Trichlorofluoromethane
 Concen: 19.575 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

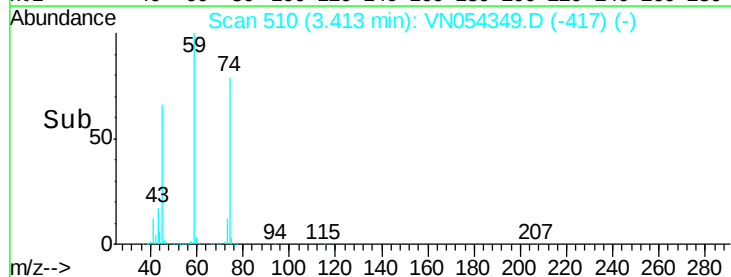
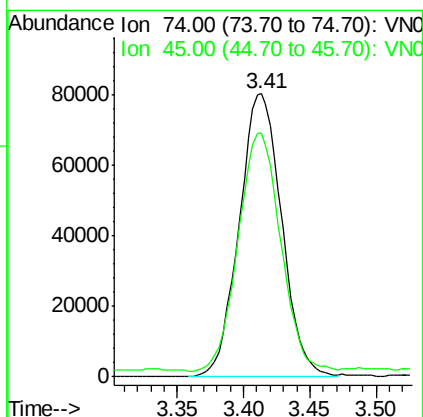
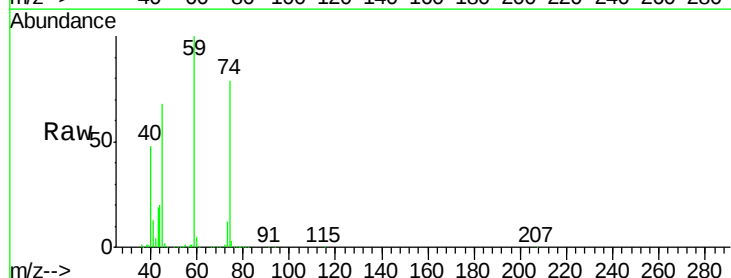
Tot Ion:101 Resp: 351362
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

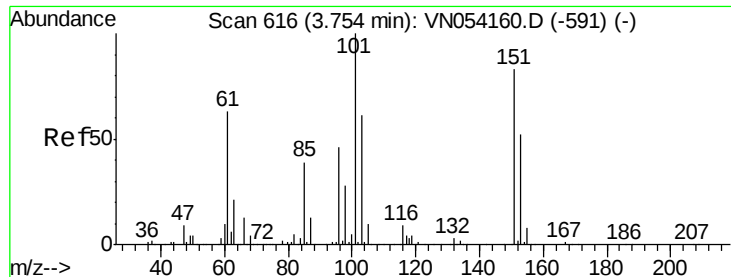


#8

Diethyl Ether
 Concen: 21.848 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 74 Resp: 178704
 Ion Ratio Lower Upper
 74 100
 45 83.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.556 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

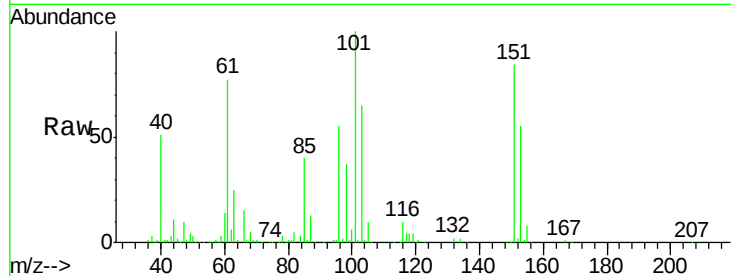
Tot Ion:101 Resp: 276481

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

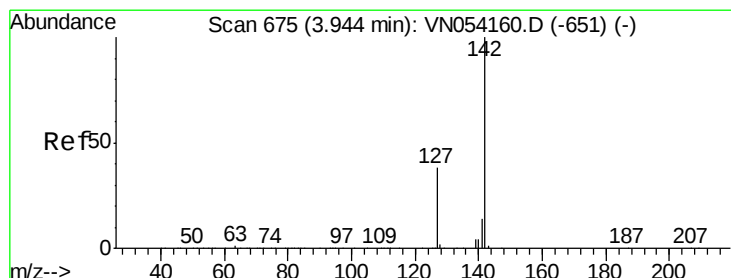
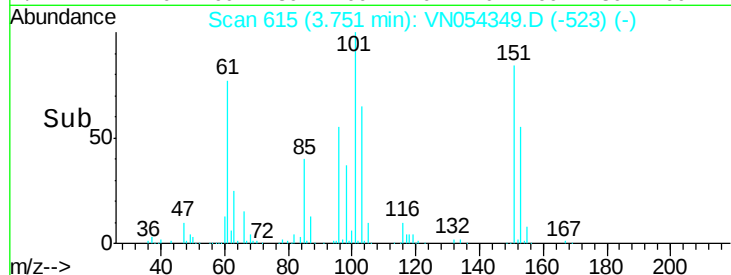
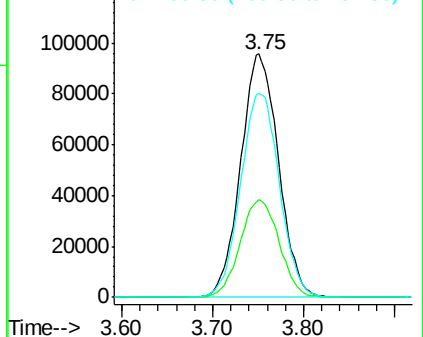
151 86.1 68.2 102.2



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: 21.389 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

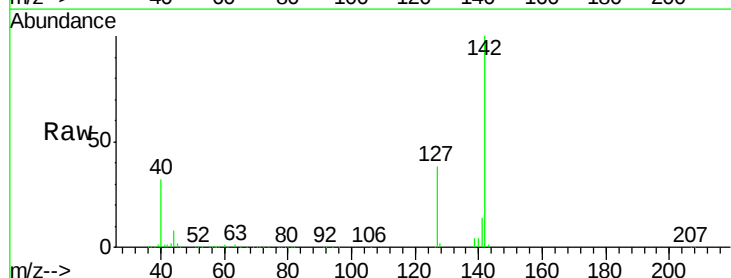
Tgt Ion:142 Resp: 391685

Ion Ratio Lower Upper

142 100

127 37.8 30.3 45.5

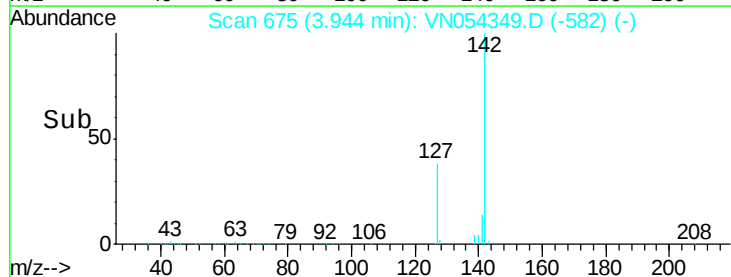
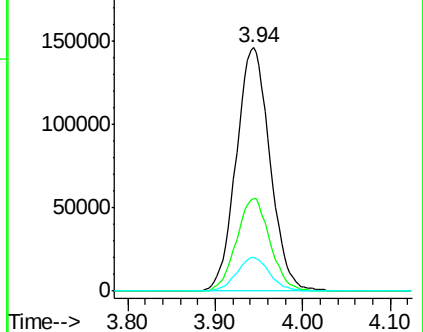
141 13.5 11.2 16.8

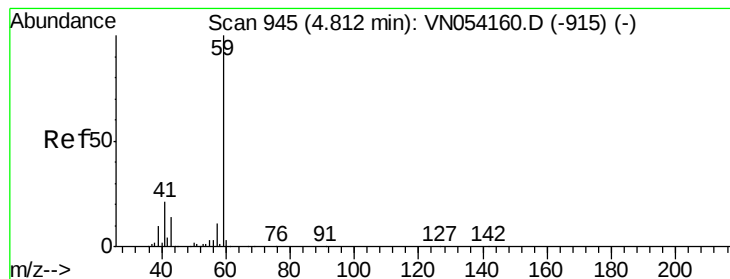


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 89.563 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

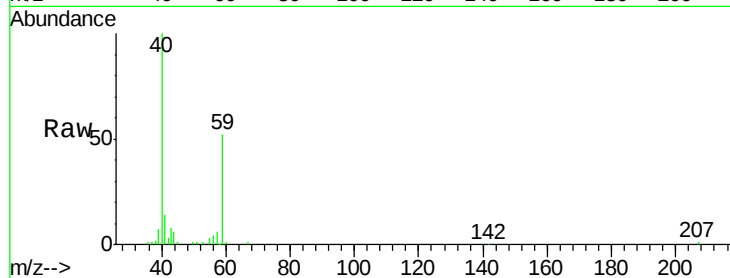
VN0316WBSD01

Tot Ion: 59 Resp: 83660

Ion Ratio Lower Upper

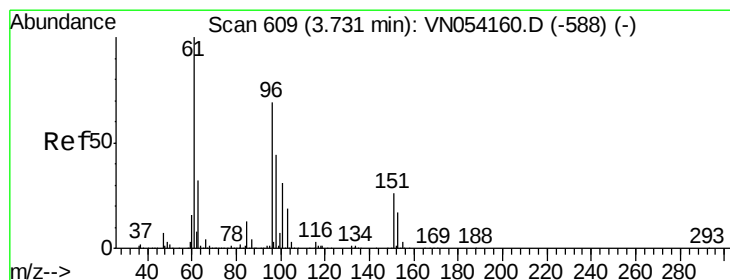
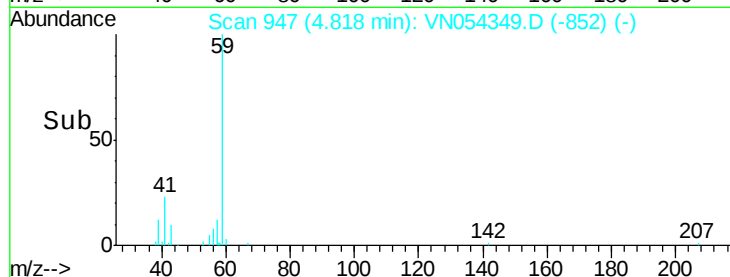
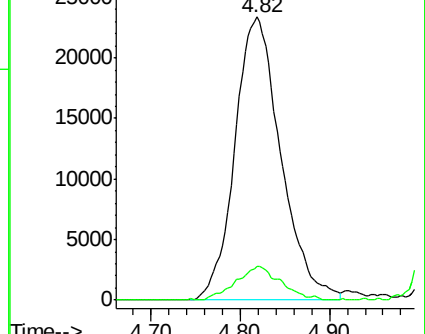
59 100

57 11.4 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 21.224 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

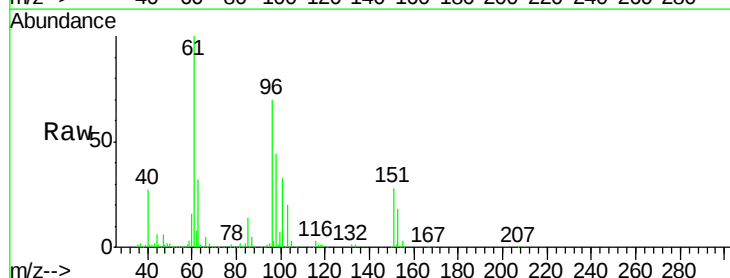
Tgt Ion: 96 Resp: 282893

Ion Ratio Lower Upper

96 100

61 142.4 116.5 174.7

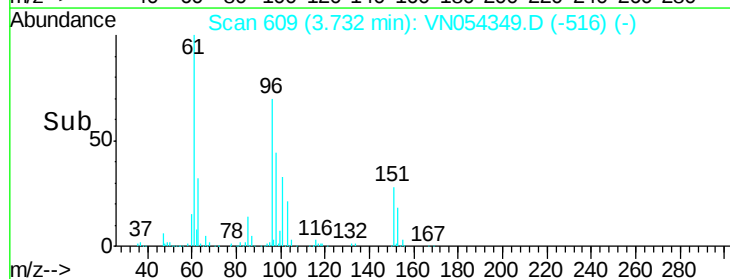
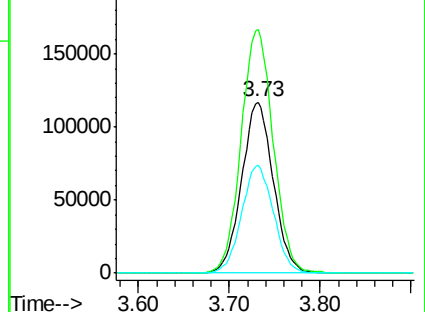
98 63.2 51.0 76.4

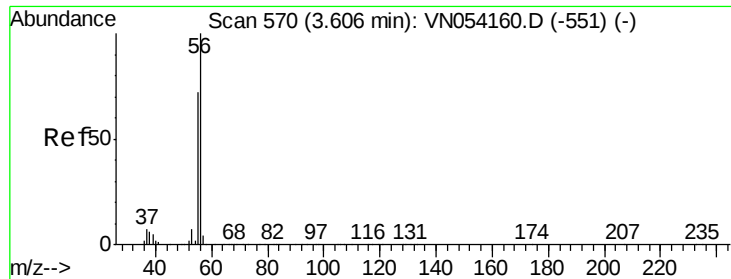


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 87.786 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

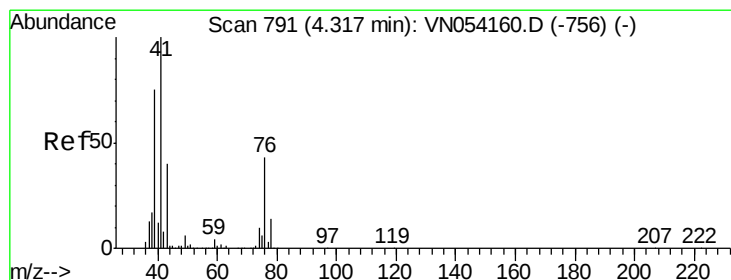
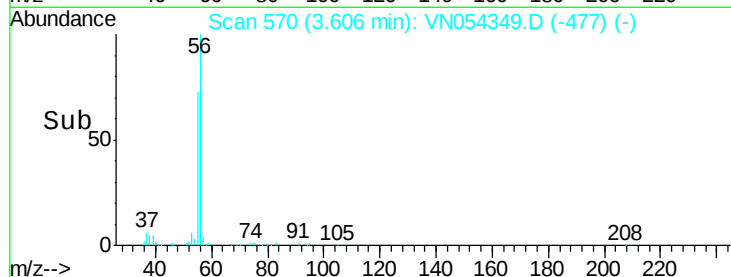
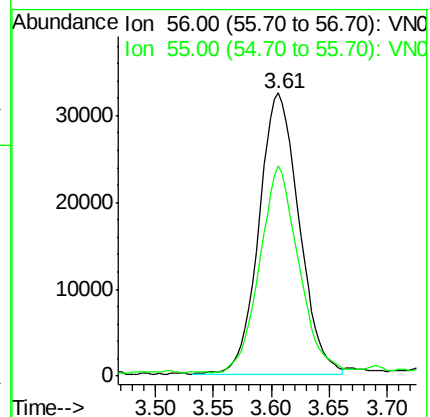
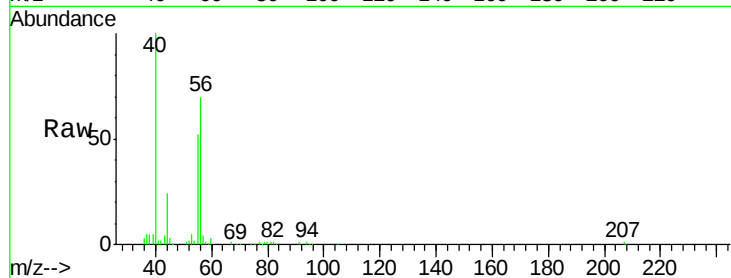
VN0316WBSD01

Tot Ion: 56 Resp: 77703

Ion Ratio Lower Upper

56 100

55 71.3 56.7 85.1



#14

Allyl chloride

Concen: 19.376 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

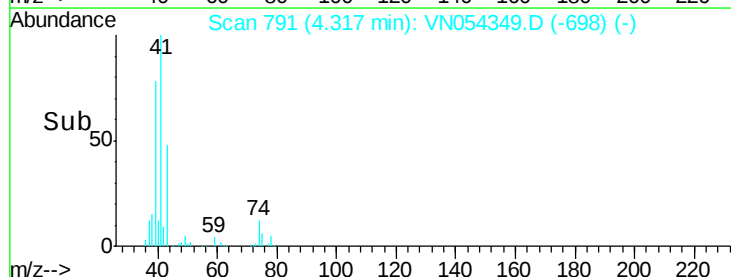
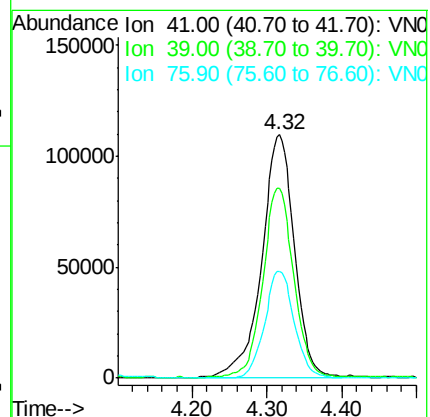
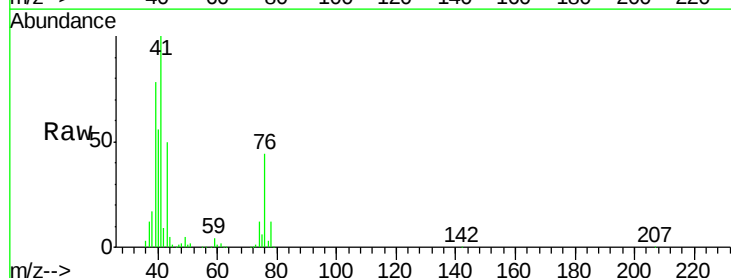
Tgt Ion: 41 Resp: 331358

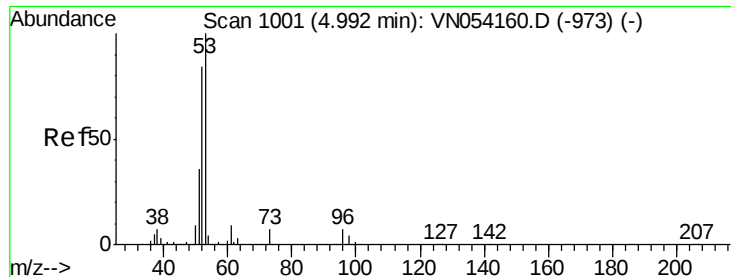
Ion Ratio Lower Upper

41 100

39 75.0 58.2 87.4

76 40.0 31.7 47.5





#15

Acrylonitrile

Concen: 110.237 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

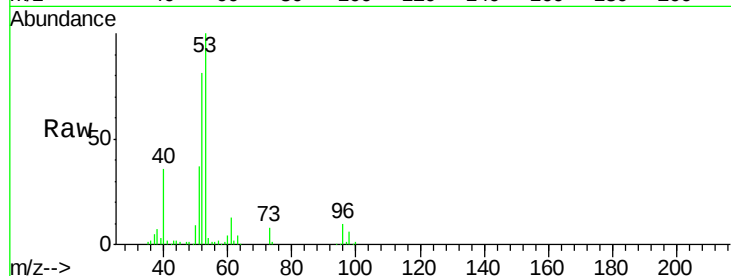
Tot Ion: 53 Resp: 422978

Ion Ratio Lower Upper

53 100

52 81.1 66.4 99.6

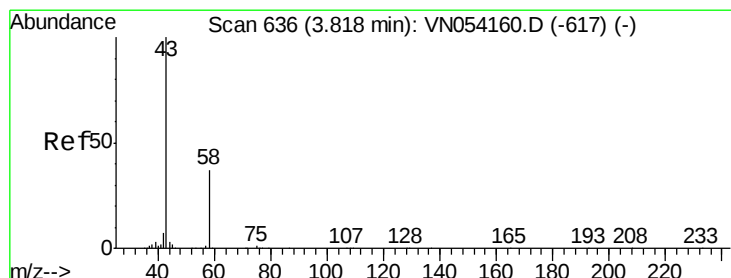
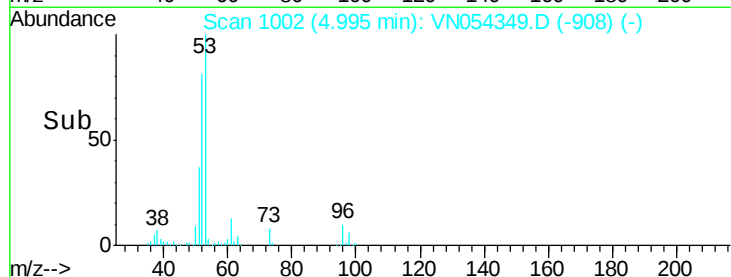
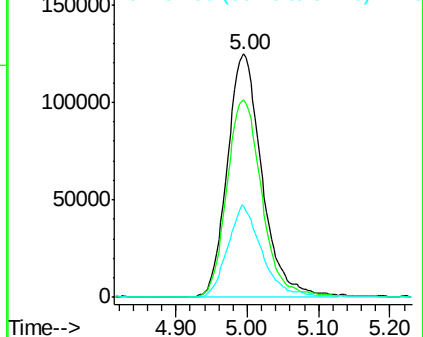
51 37.1 29.6 44.4



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: 79.261 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054349.D

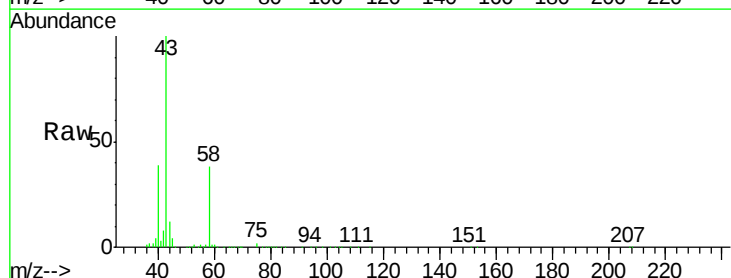
Acq: 16 Mar 2019 20:52

Tgt Ion: 43 Resp: 309223

Ion Ratio Lower Upper

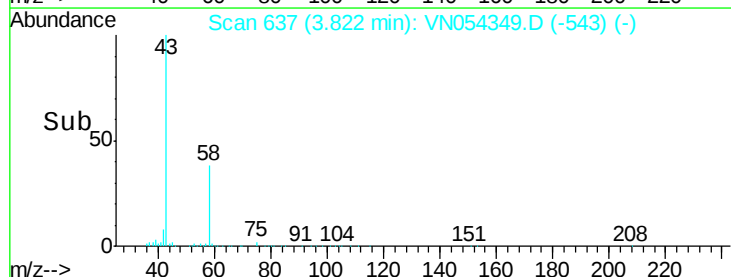
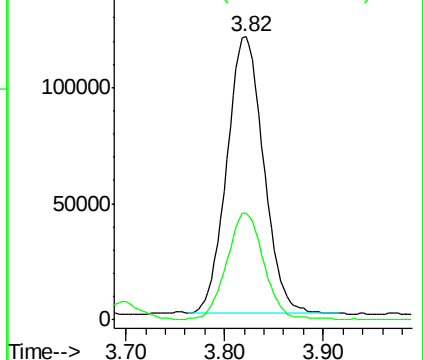
43 100

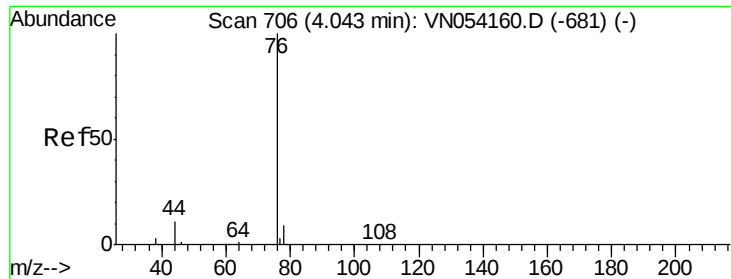
58 38.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

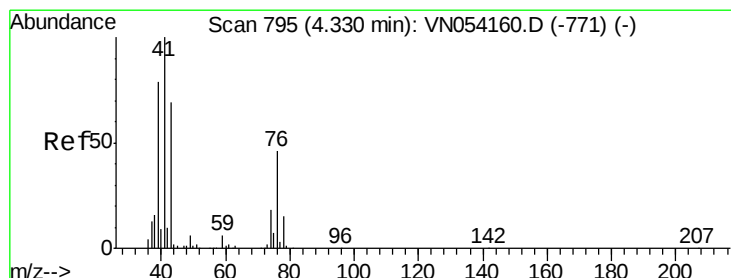
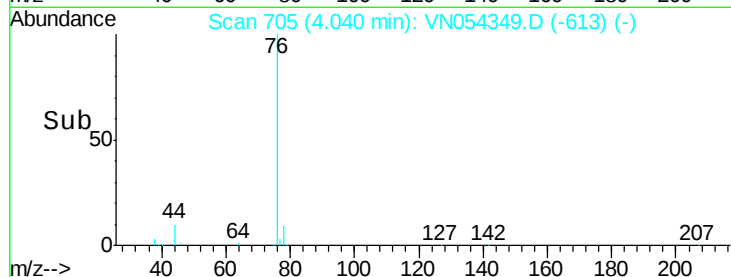
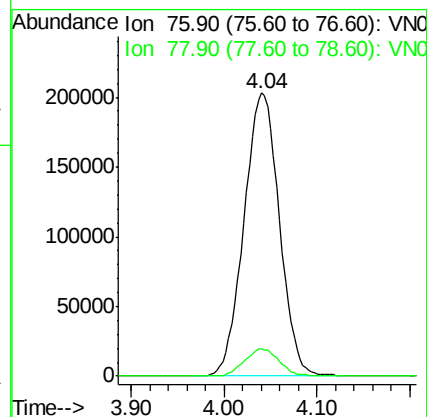
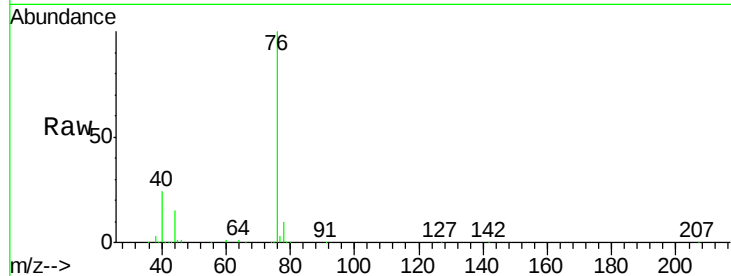




#17
Carbon Disulfide
Concen: 16.075 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

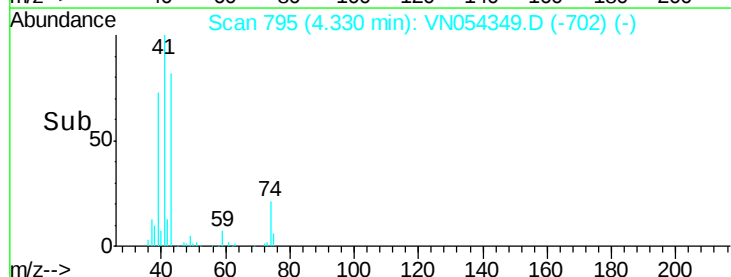
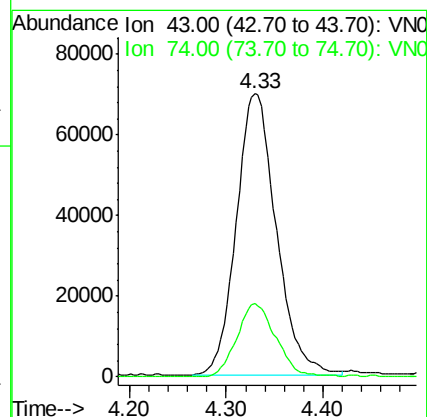
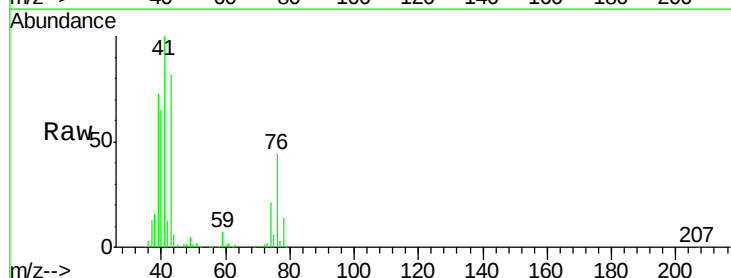
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

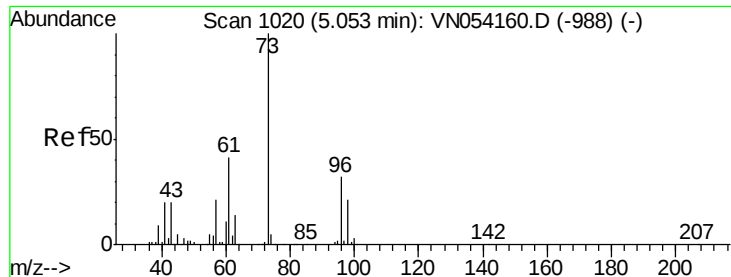
Tot Ion: 76 Resp: 537134
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#18
Methyl Acetate
Concen: 25.357 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 43 Resp: 200146
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2

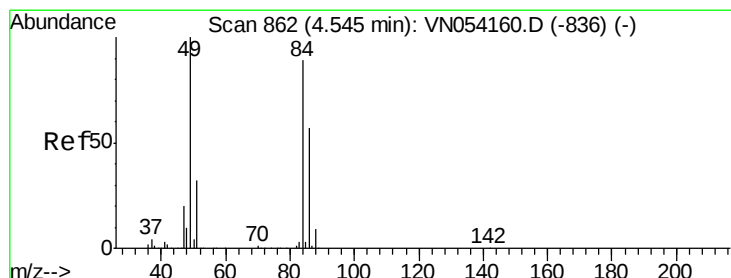
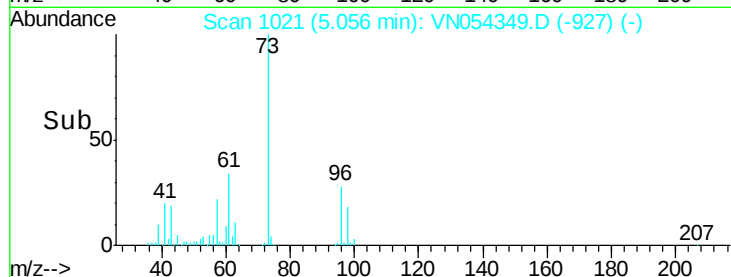
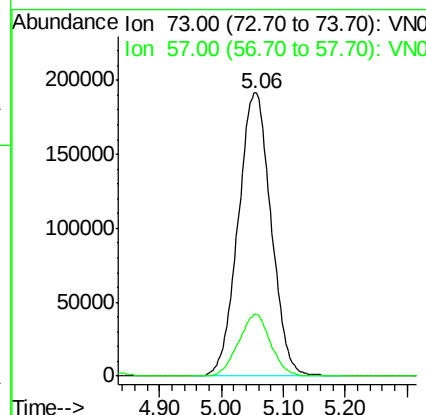
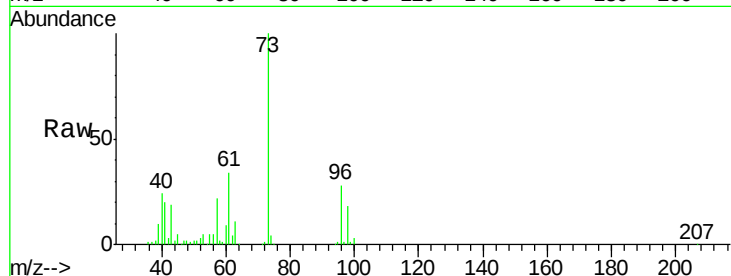




#19
Methvl tert-butvl Ether
Concen: 21.406 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

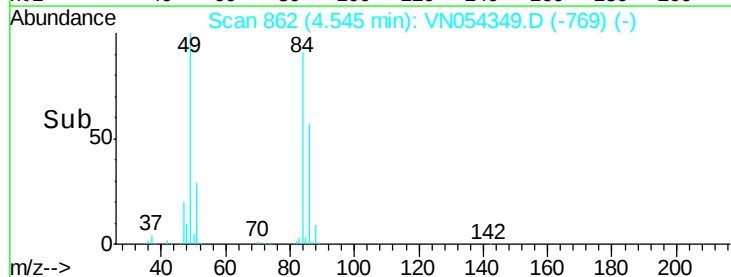
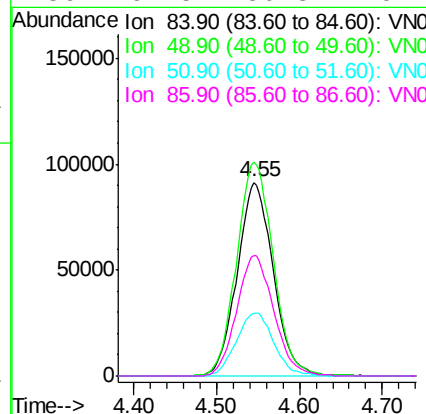
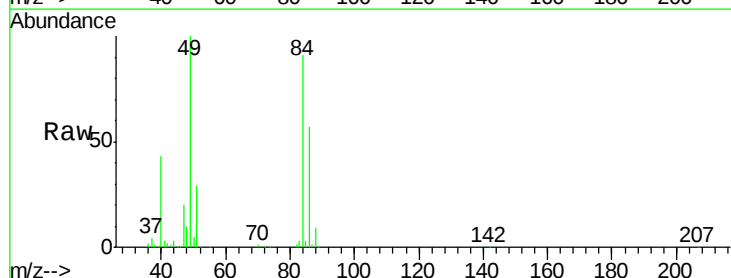
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion: 73 Resp: 707227
Ion Ratio Lower Upper
73 100
57 22.1 16.8 25.2



#20
Methylene Chloride
Concen: 21.549 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 84 Resp: 276043
Ion Ratio Lower Upper
84 100
49 110.2 89.7 134.5
51 32.2 28.2 42.4
86 62.5 50.8 76.2

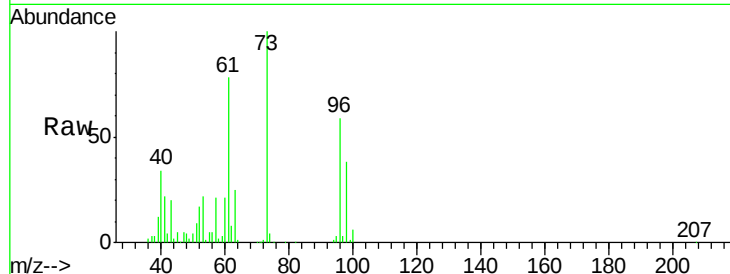




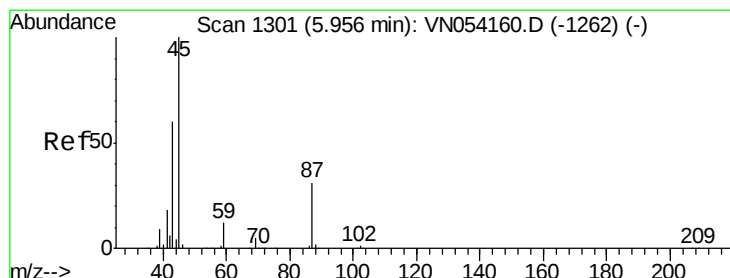
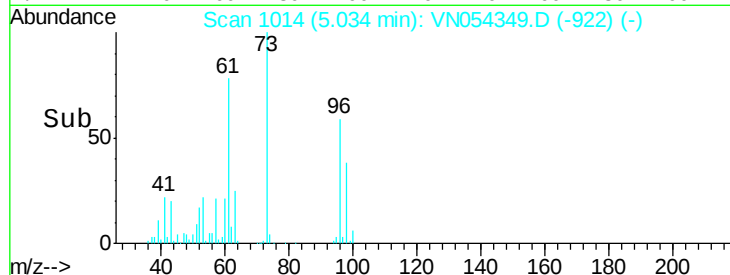
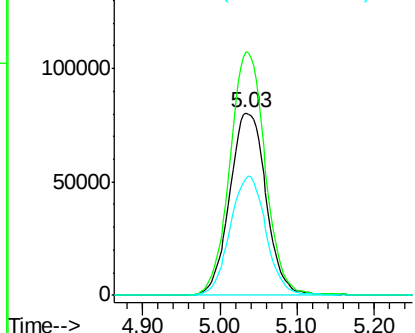
#21
trans-1,2-Dichloroethene
Concen: 20.553 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion: 96 Resp: 262482
Ion Ratio Lower Upper
96 100
61 133.3 102.8 154.2
98 64.1 50.0 75.0

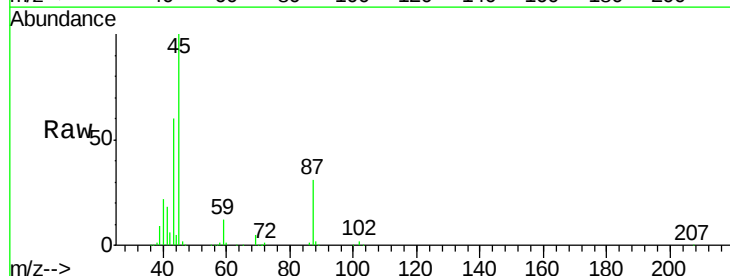


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

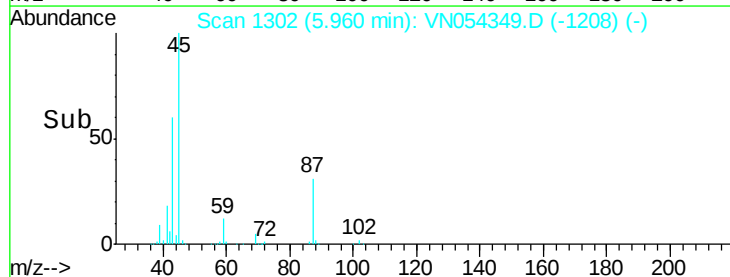
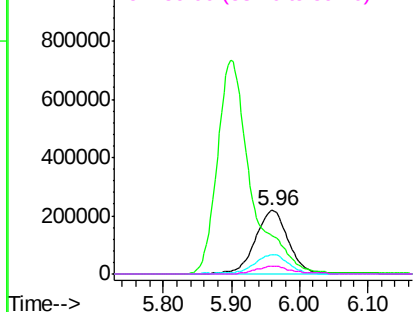


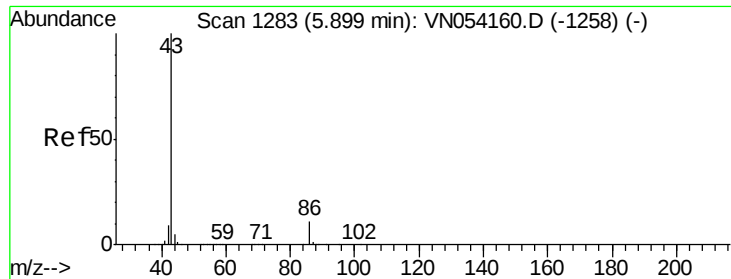
#22
Diisopropyl ether
Concen: 21.698 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 45 Resp: 740602
Ion Ratio Lower Upper
45 100
43 58.7 48.2 72.2
87 30.0 24.9 37.3
59 11.3 9.5 14.3



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





#23

Vinyl Acetate

Concen: 100.485 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

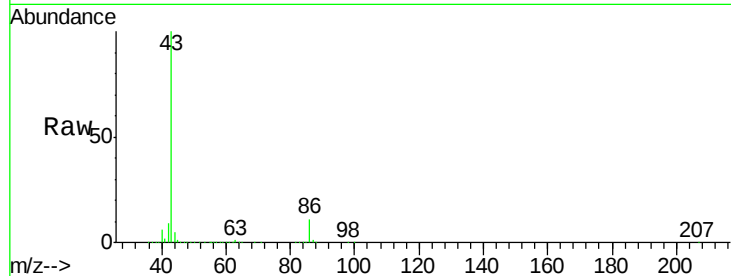
VN0316WBSD01

Tot Ion: 43 Resp: 2528777

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

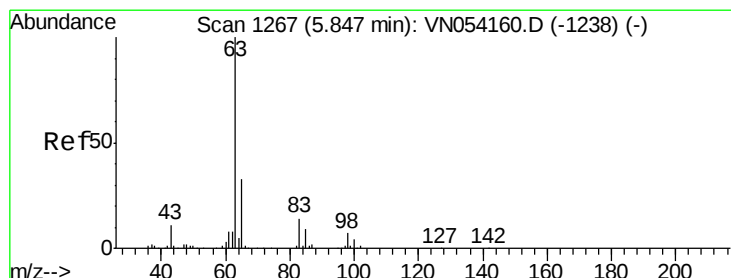
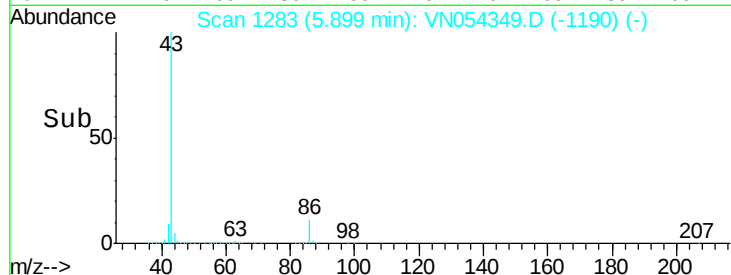
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.368 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

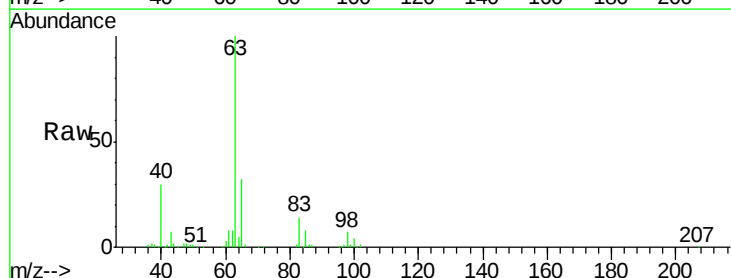
Tgt Ion: 63 Resp: 468293

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

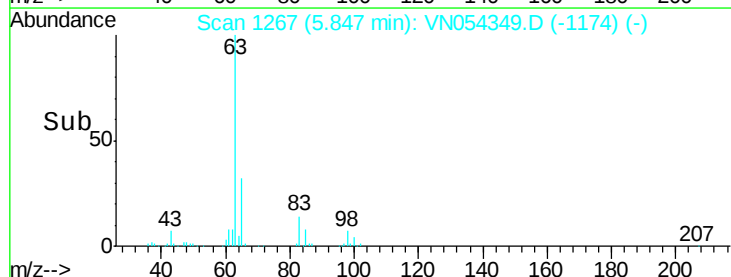
150000

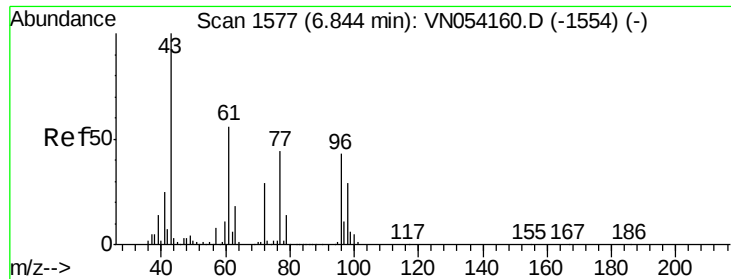
100000

50000

0

Time-->





#25

2-Butanone

Concen: 104.267 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampled :

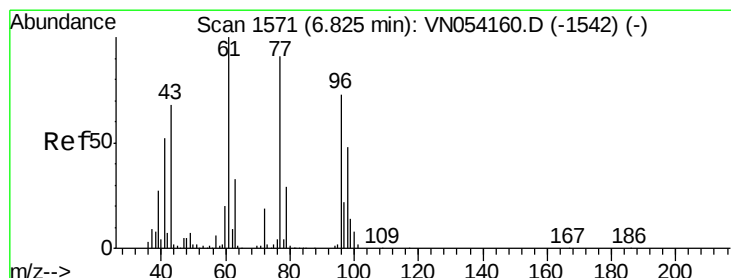
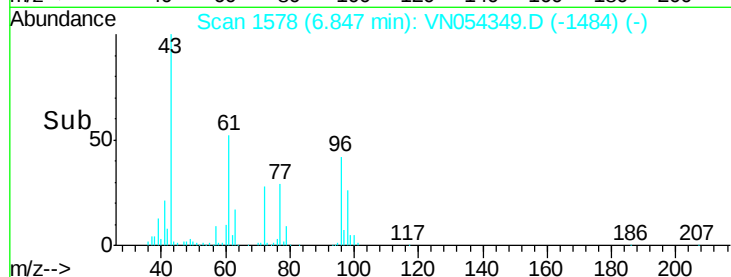
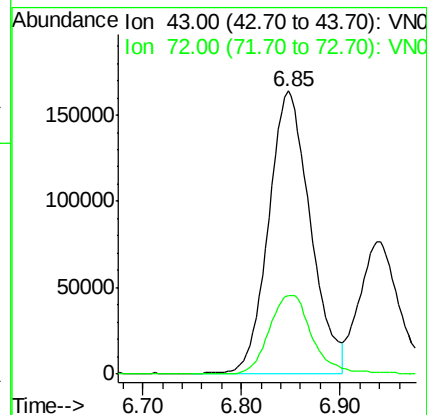
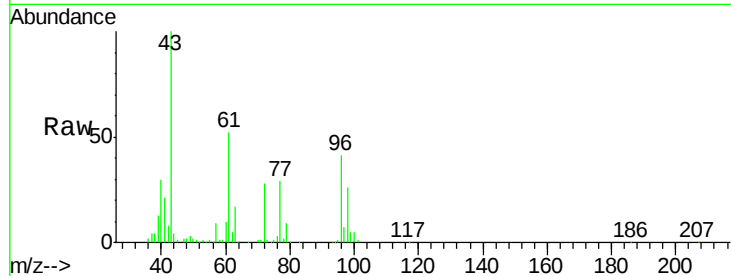
VN0316WBSD01

Tot Ion: 43 Resp: 477433

Ion Ratio Lower Upper

43 100

72 27.9 23.0 34.6



#26

2,2-Dichloropropane

Concen: 14.693 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054349.D

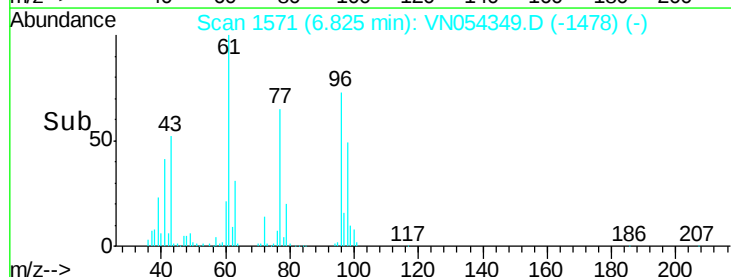
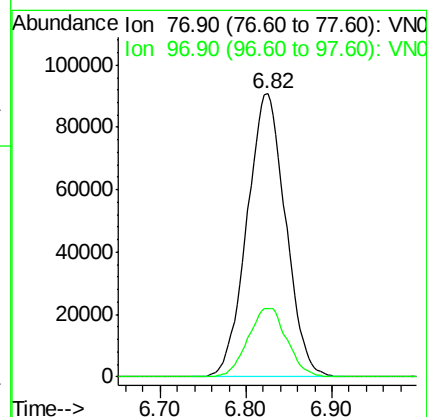
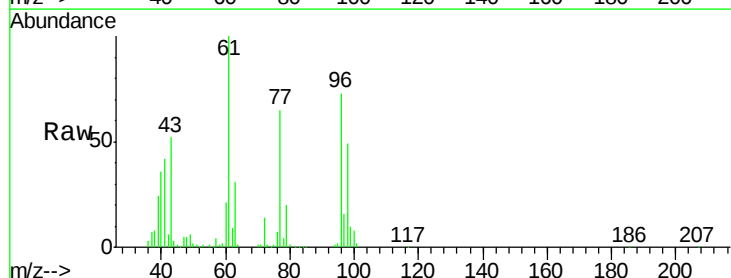
Acq: 16 Mar 2019 20:52

Tgt Ion: 77 Resp: 283163

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9

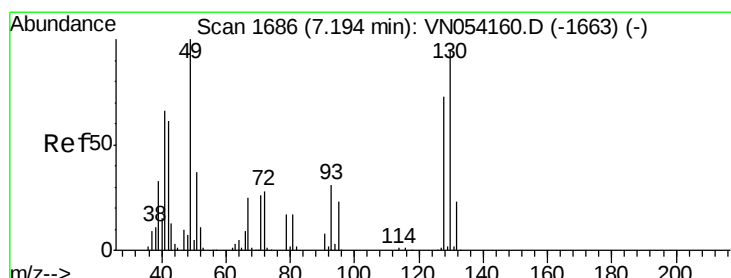
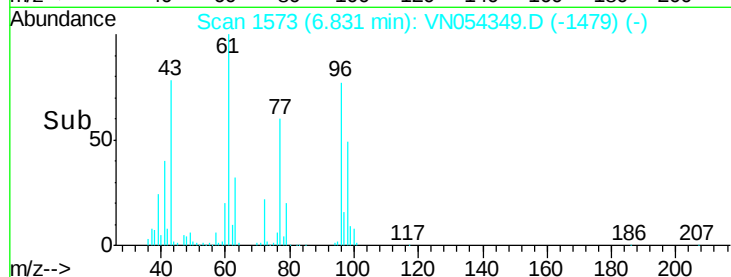
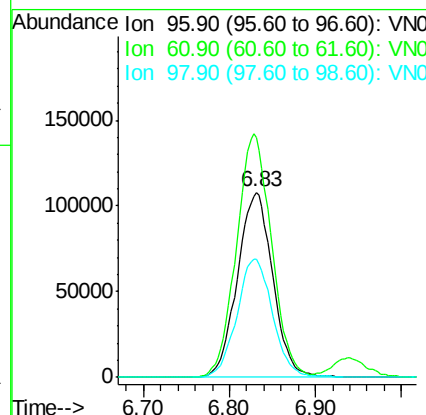
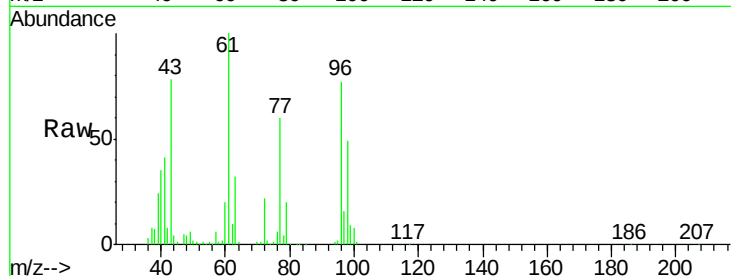




#27
 cis-1,2-Dichloroethene
 Concen: 21.660 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

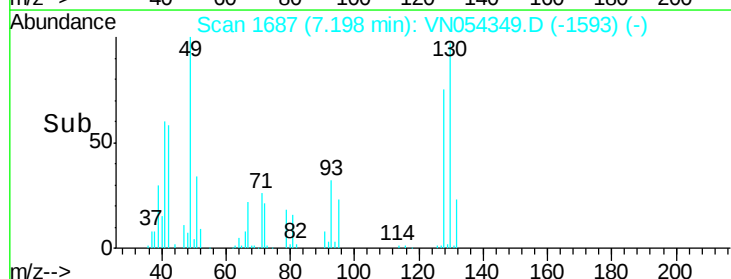
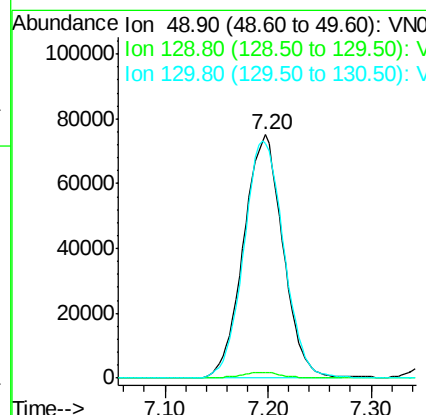
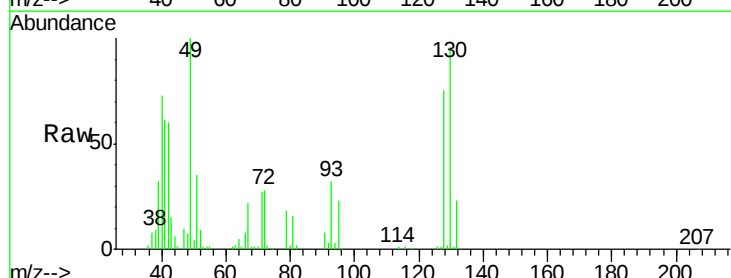
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

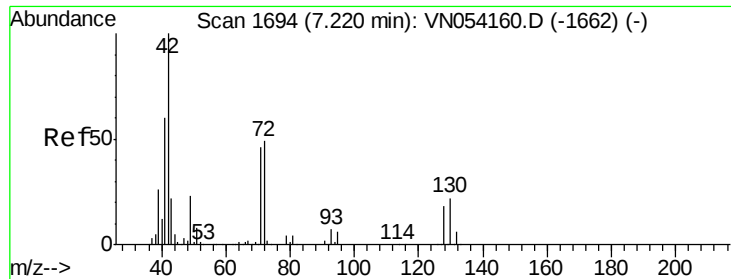
Tot Ion: 96 Resp: 308598
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 273.0
 98 64.3 0.0 130.6



#28
 Bromochloromethane
 Concen: 22.231 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 49 Resp: 199174
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 99.6 76.7 115.1

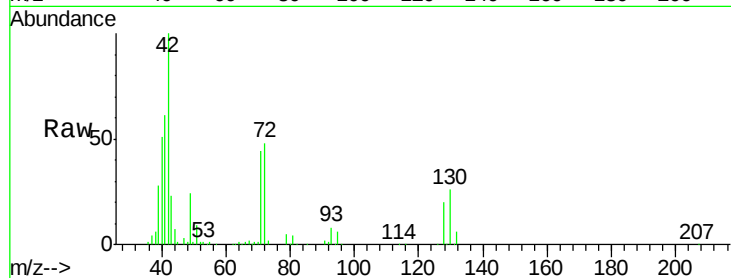




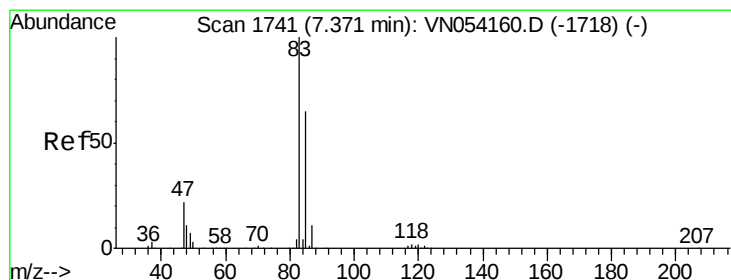
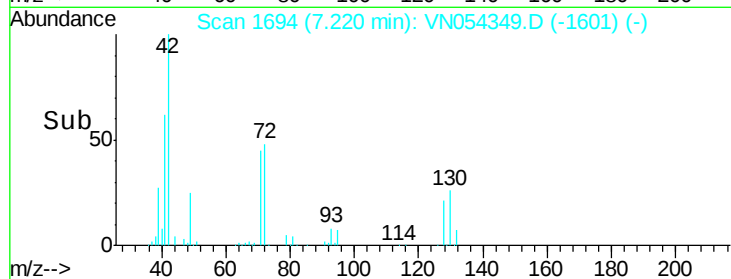
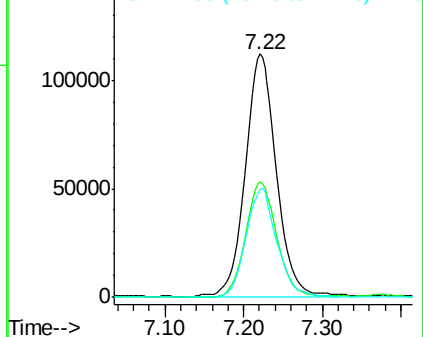
#29
Tetrahydrofuran
Concen: 105.706 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD01

Tot Ion: 42 Resp: 311208
Ion Ratio Lower Upper
42 100
72 48.3 37.8 56.6
71 45.1 36.2 54.2

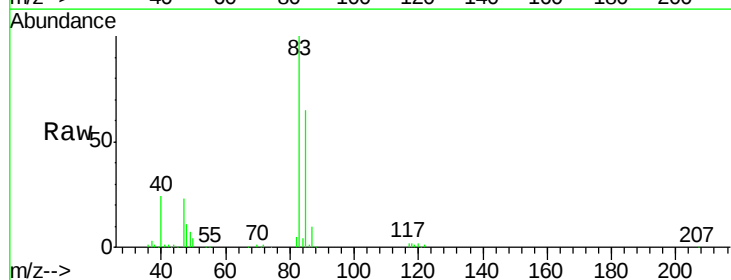


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

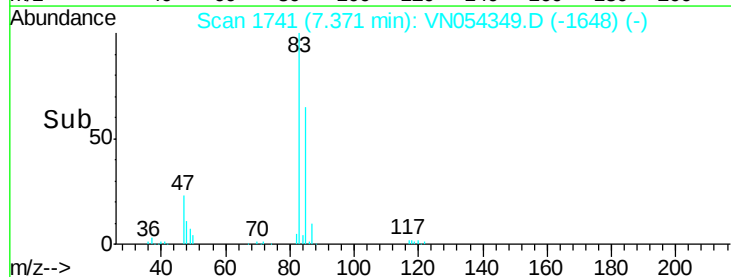
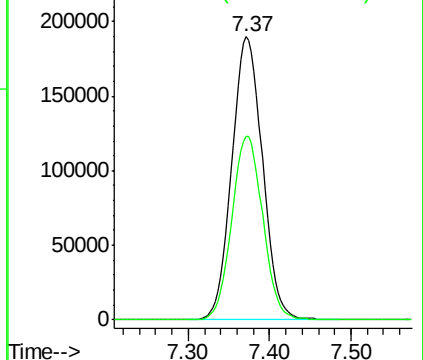


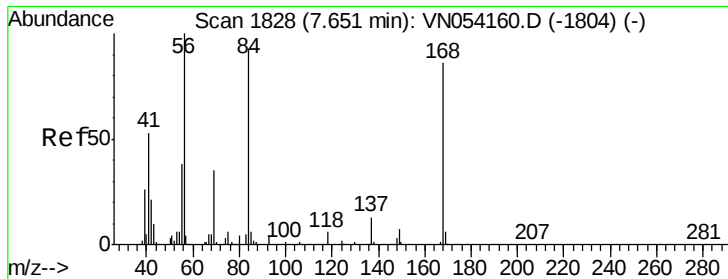
#30
Chloroform
Concen: 21.782 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 83 Resp: 498121
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4



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

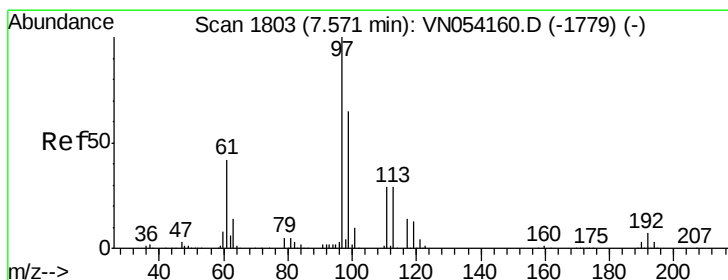
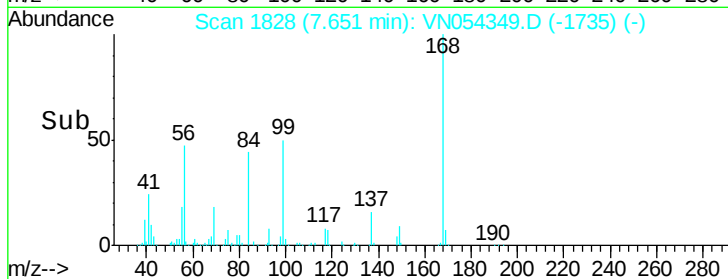
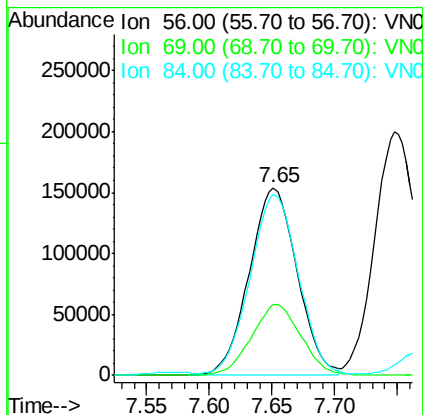
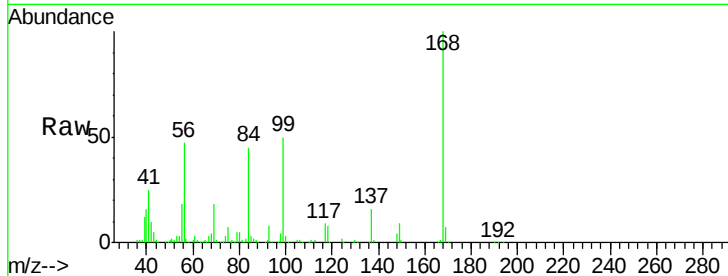




#31
Cyclohexane
Concen: 19.197 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

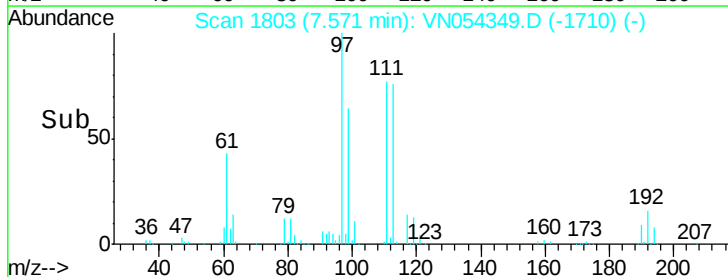
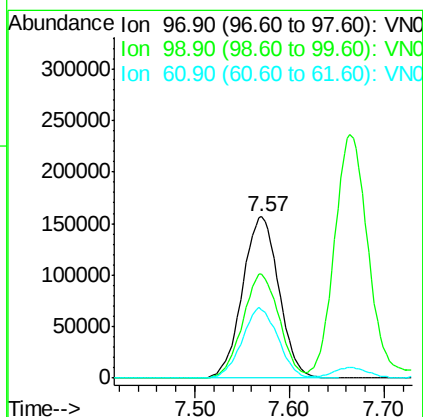
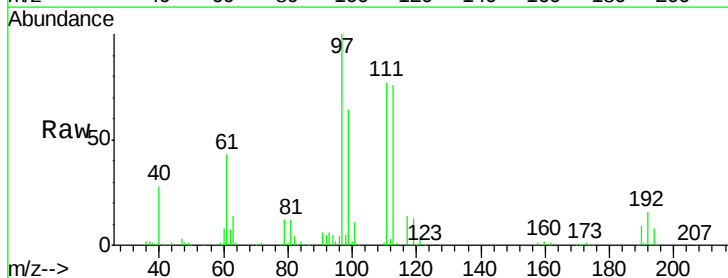
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

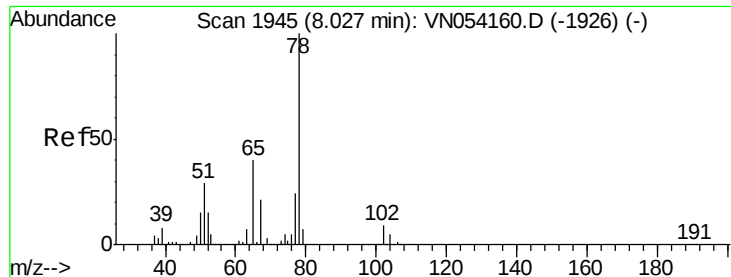
Tot Ion: 56 Resp: 408837
Ion Ratio Lower Upper
56 100
69 37.5 27.8 41.6
84 95.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.288 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 97 Resp: 419013
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 42.9 33.6 50.4

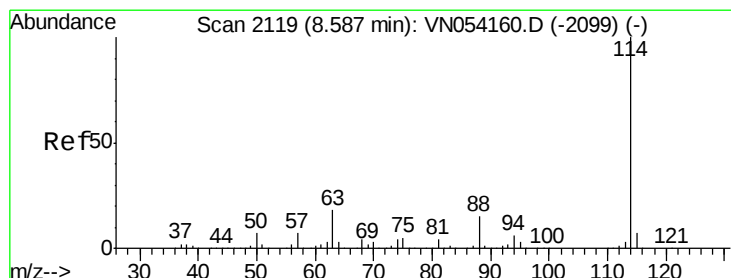
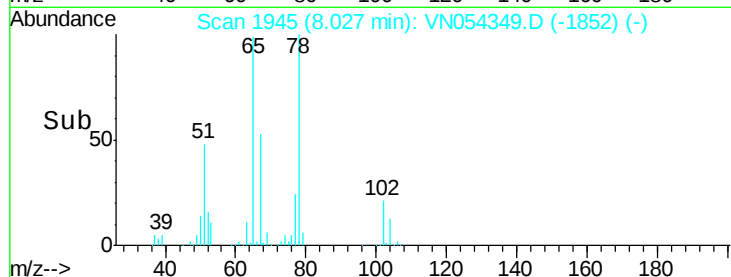
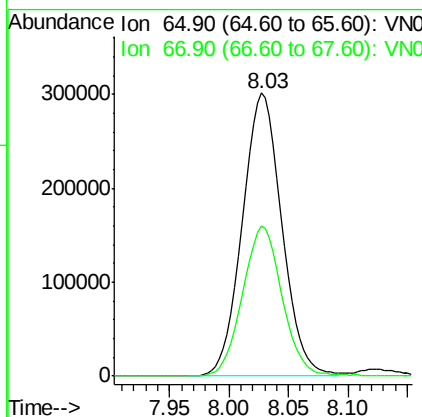
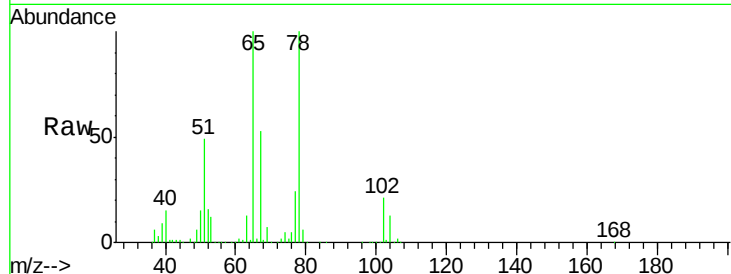




#33
 1,2-Dichloroethane-d4
 Concen: 50.901 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

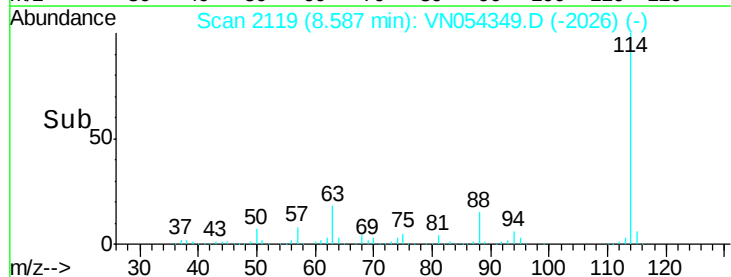
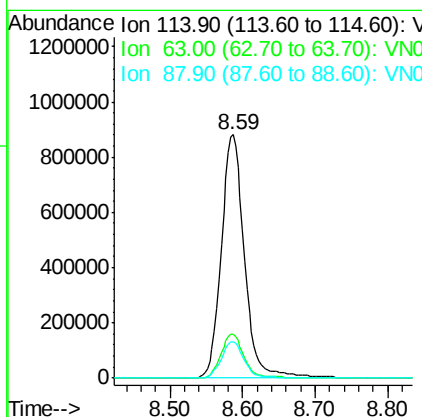
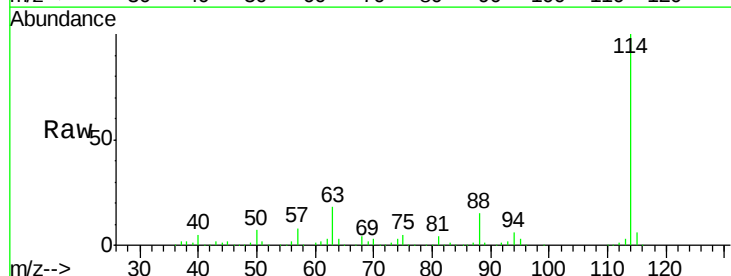
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

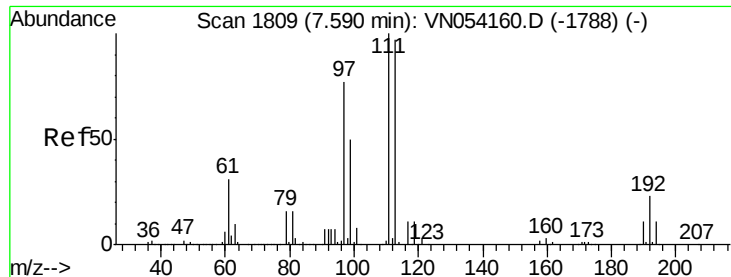
Tot Ion: 65 Resp: 693553
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 114 Resp: 1952453
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 15.0 0.0 30.2

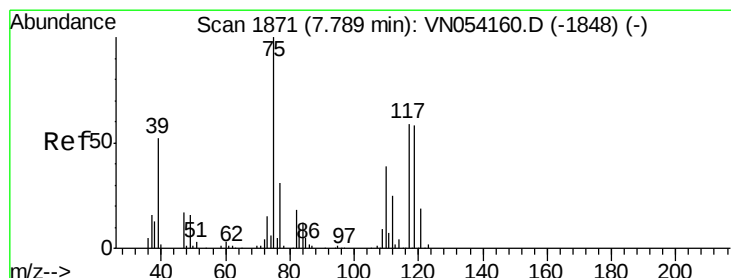
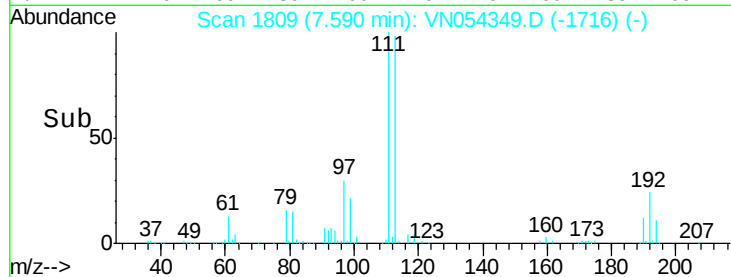
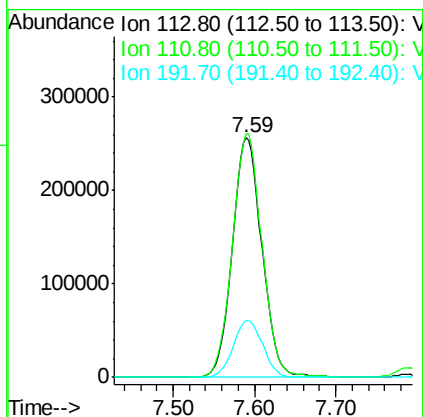
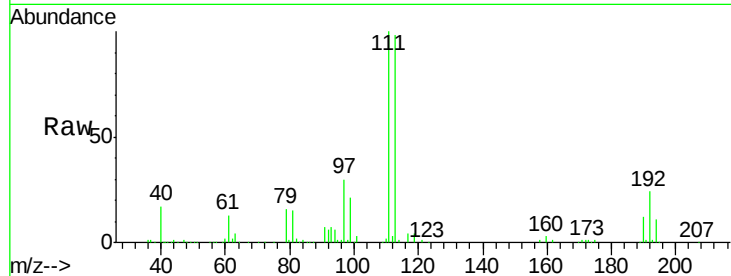




#35
 Dibromofluoromethane
 Concen: 51.379 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

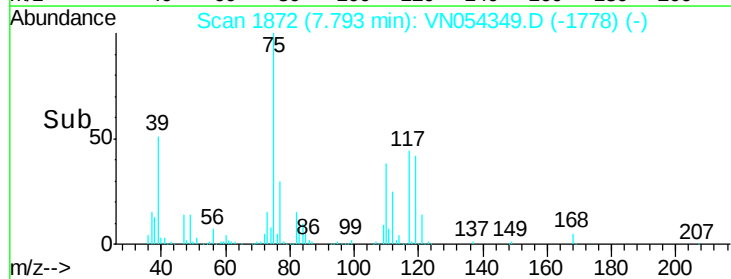
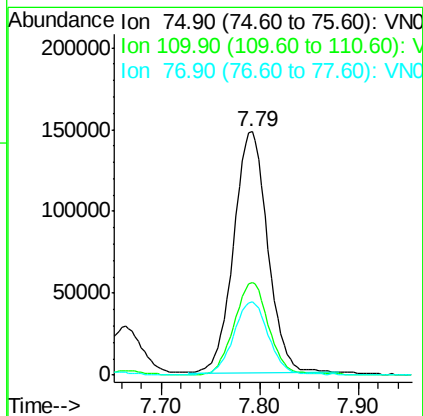
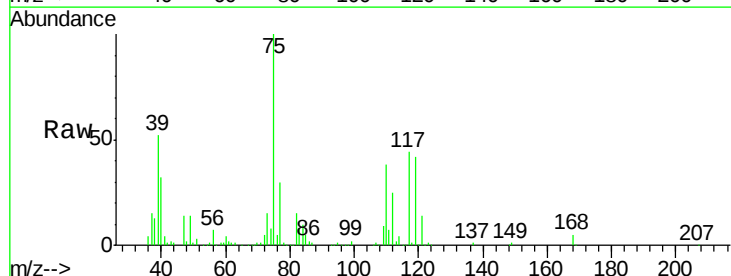
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBSD01

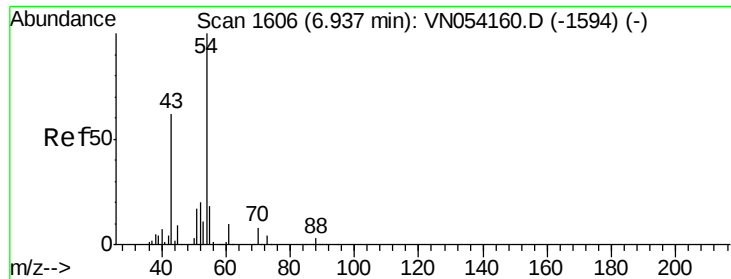
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	23.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.793 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.1	57.5
77	31.3	25.0	37.4

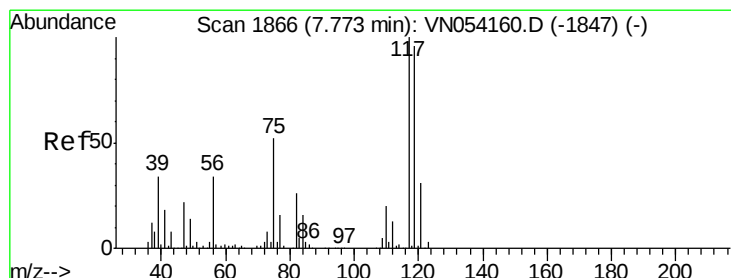
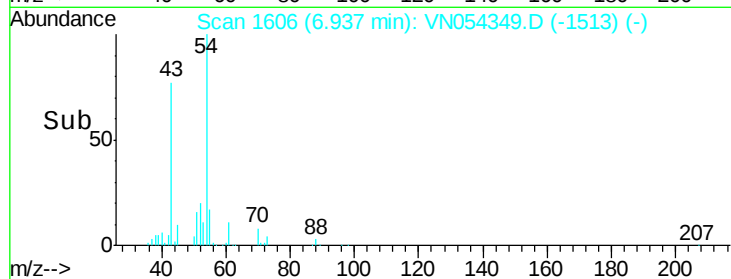
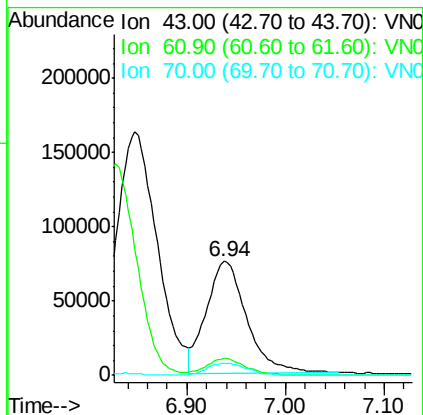
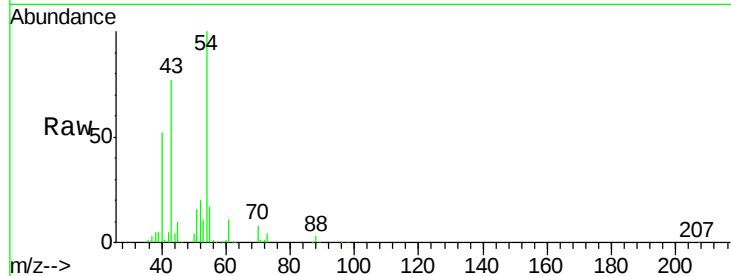




#37
Ethyl Acetate
Concen: 20.851 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

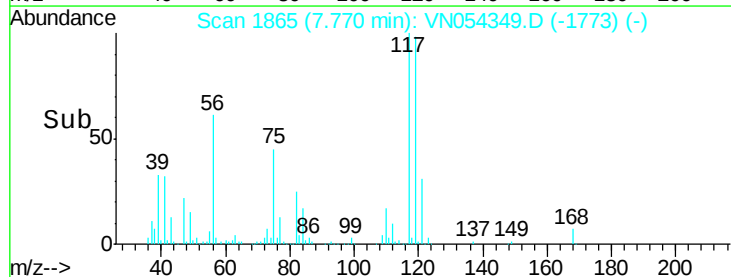
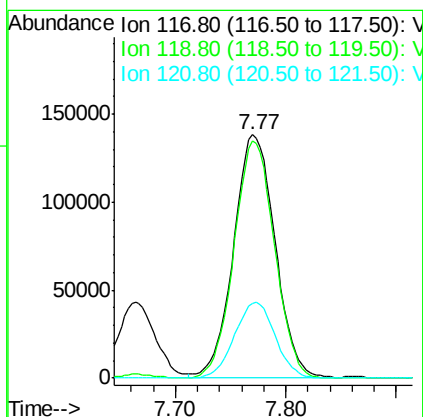
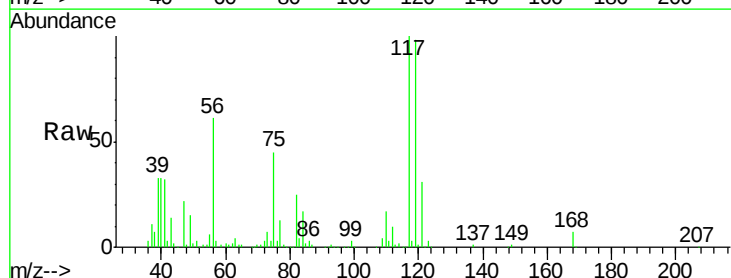
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD01

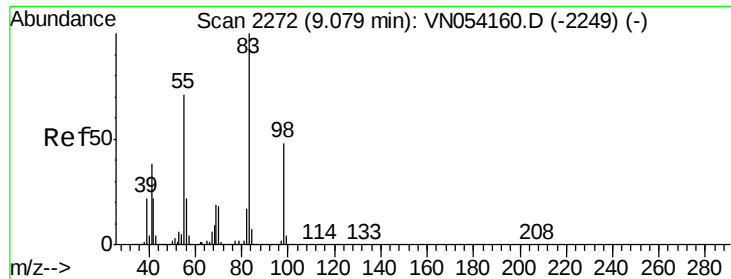
Tot Ion: 43 Resp: 215422
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.974 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 117 Resp: 357776
Ion Ratio Lower Upper
117 100
119 97.7 76.3 114.5
121 31.0 24.6 36.8

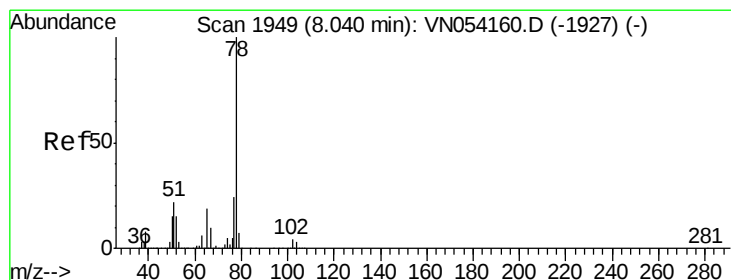
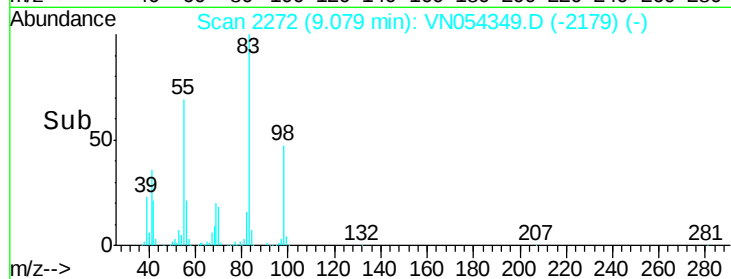
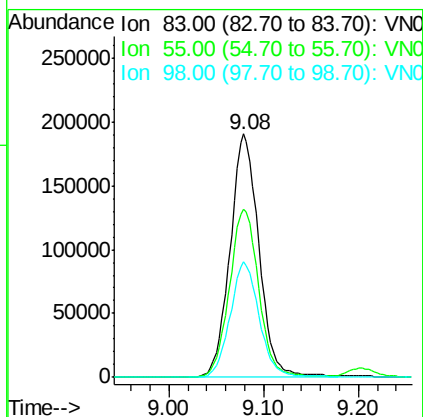
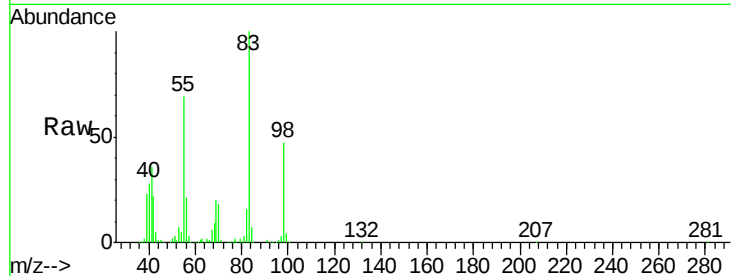




#39
Methvlcvclohexane
Concen: 18.274 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

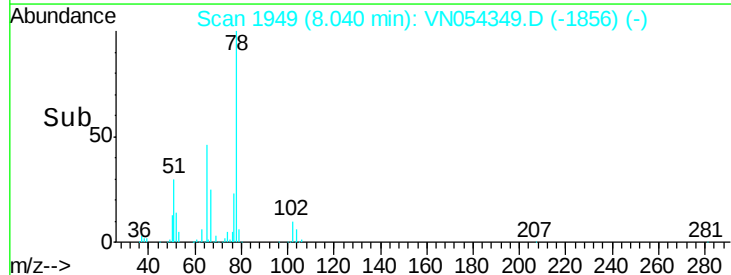
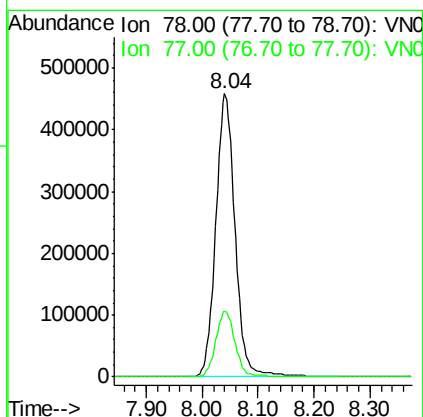
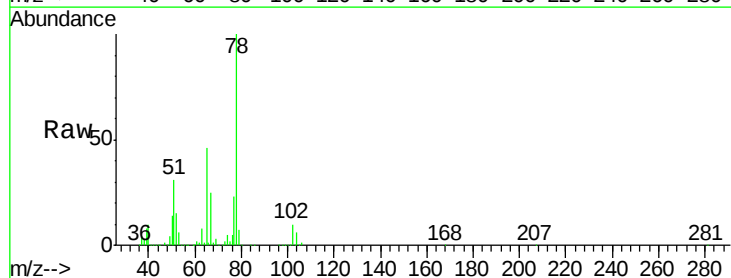
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

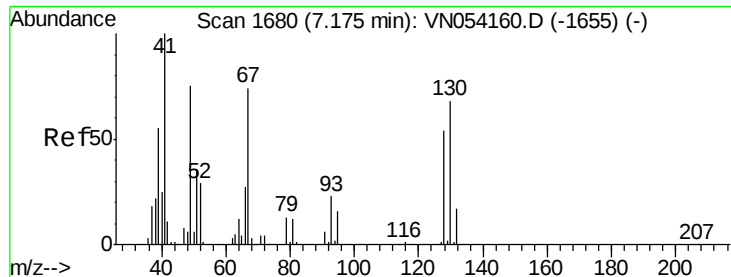
Tot Ion: 83 Resp: 404280
Ion Ratio Lower Upper
83 100
55 69.2 56.6 84.8
98 47.3 38.4 57.6



#40
Benzene
Concen: 21.417 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 78 Resp: 1101964
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

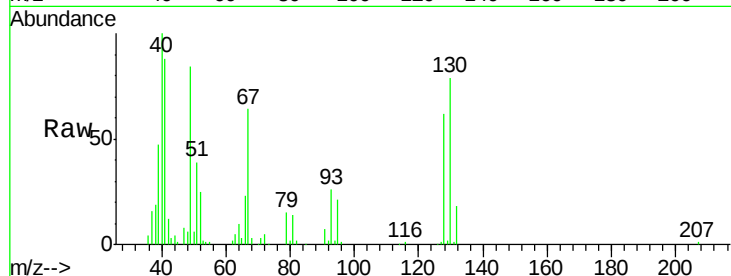




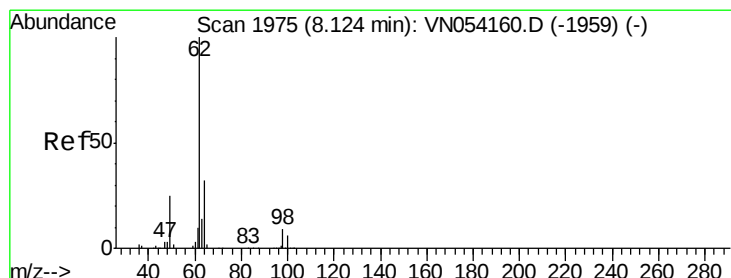
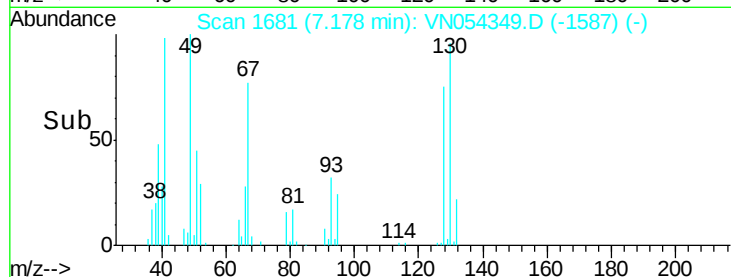
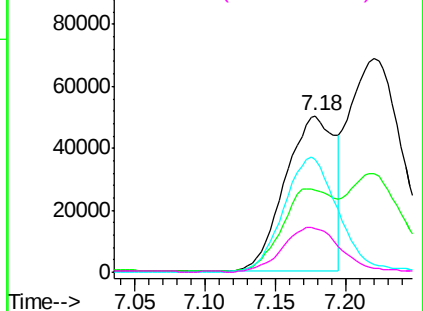
#41
Methacrylonitrile
Concen: 20.905 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion:	41	Resp:	123315
Ion	Ratio	Lower	Upper
41	100		
39	56.4	46.8	70.2
67	82.0	67.0	100.4
52	33.1	26.5	39.7

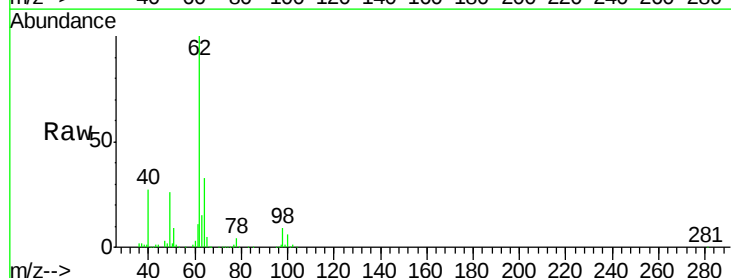


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

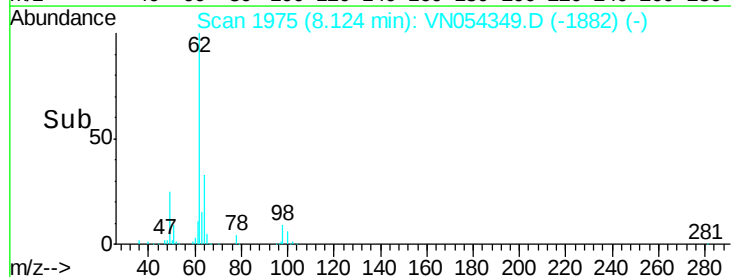
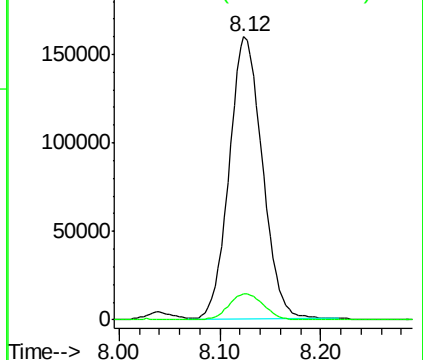


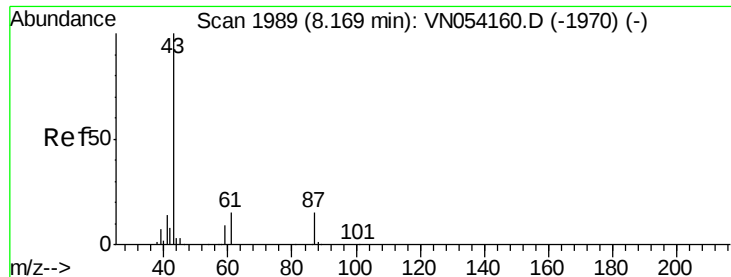
#42
1,2-Dichloroethane
Concen: 21.073 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion:	62	Resp:	366060
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 19.198 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

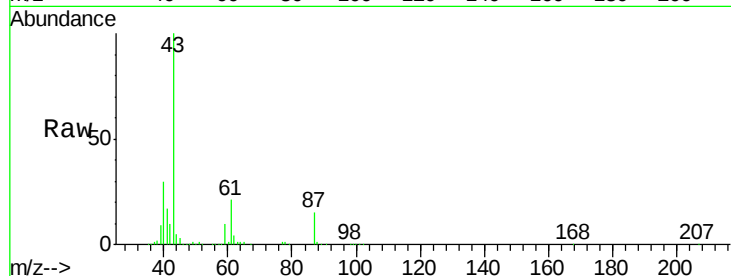
Tot Ion: 43 Resp: 348141

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

87 15.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

8.17

150000

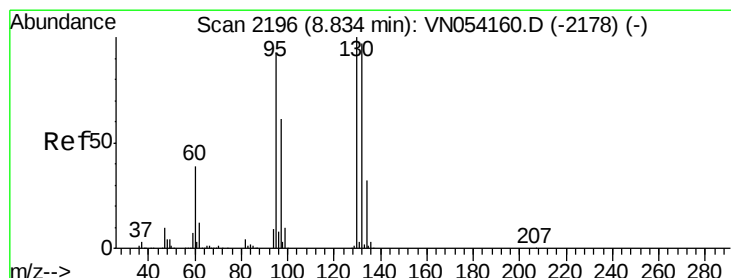
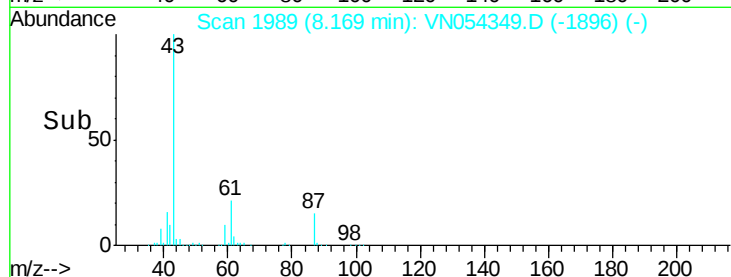
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.512 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054349.D

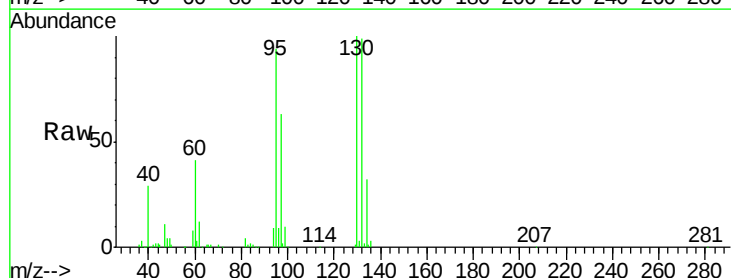
Acq: 16 Mar 2019 20:52

Tgt Ion: 130 Resp: 327852

Ion Ratio Lower Upper

130 100

95 93.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

8.83

150000

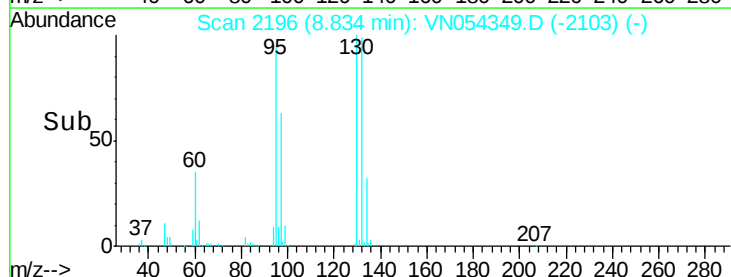
100000

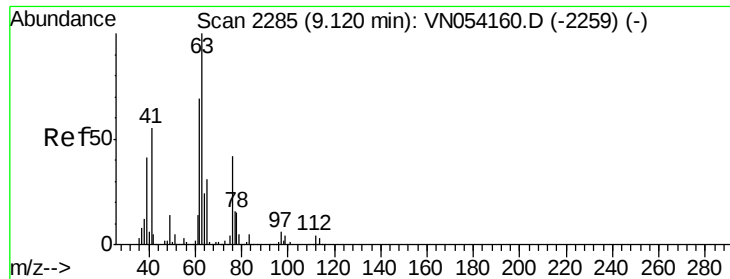
50000

0

8.70 8.80 8.90 9.00

Time-->

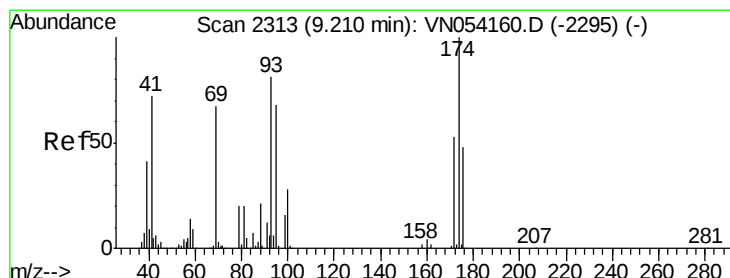
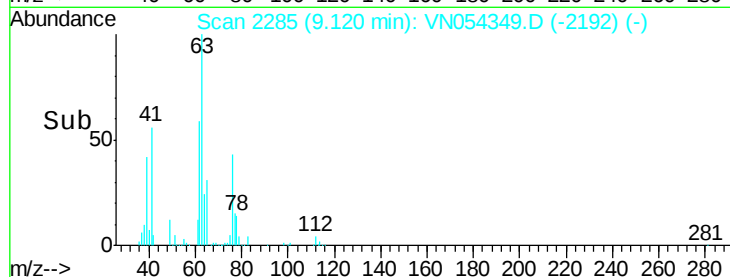
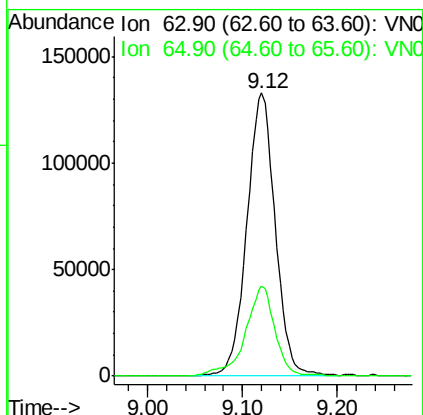
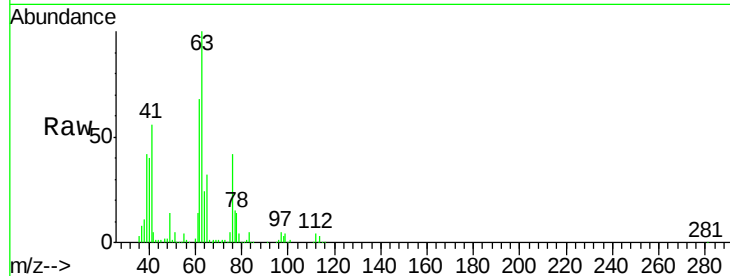




#45
 1,2-Dichloropropane
 Concen: 21.740 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

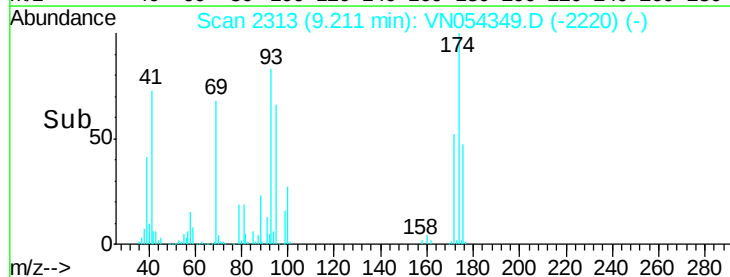
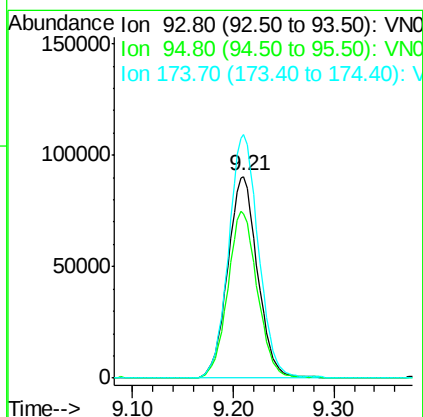
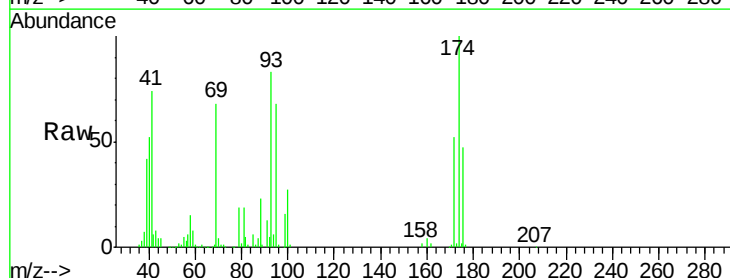
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBSD01

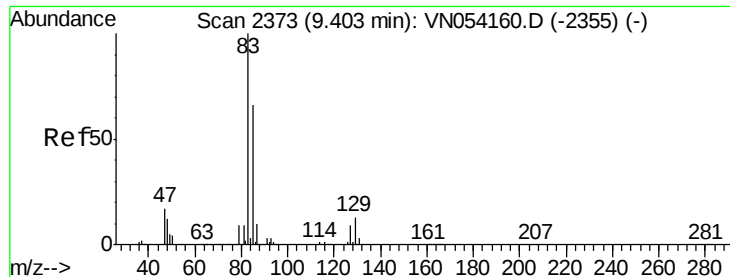
Tot Ion: 63 Resp: 277755
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6



#46
 Dibromomethane
 Concen: 21.605 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 93 Resp: 186499
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 120.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.167 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

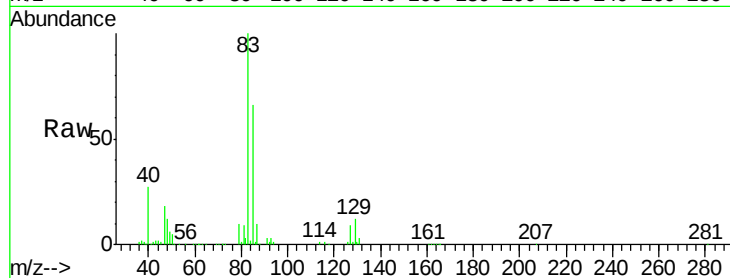
Tot Ion: 83 Resp: 349002

Ion Ratio Lower Upper

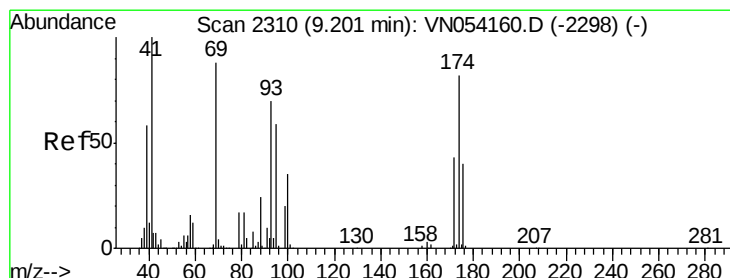
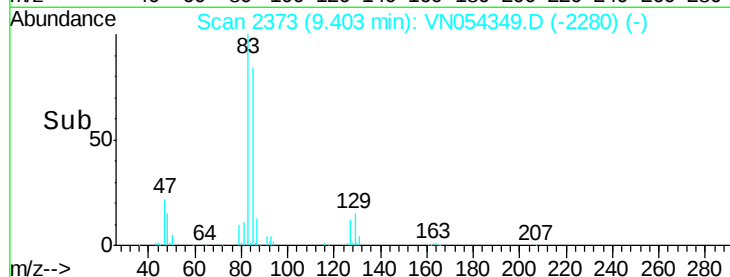
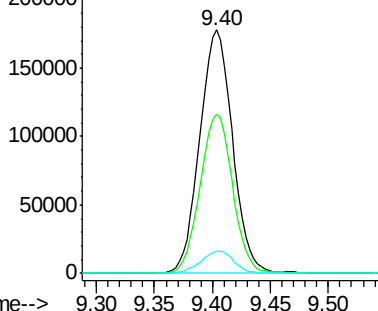
83 100

85 65.5 52.8 79.2

127 9.1 7.4 11.2



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: 20.800 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

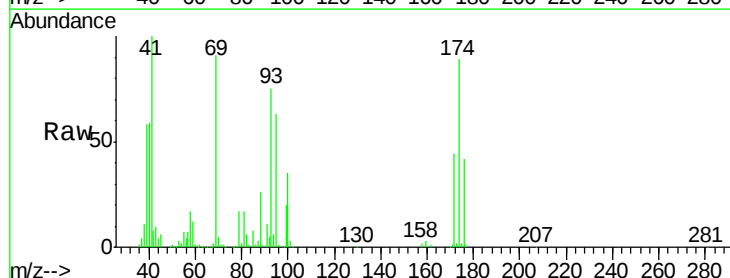
Tgt Ion: 41 Resp: 191424

Ion Ratio Lower Upper

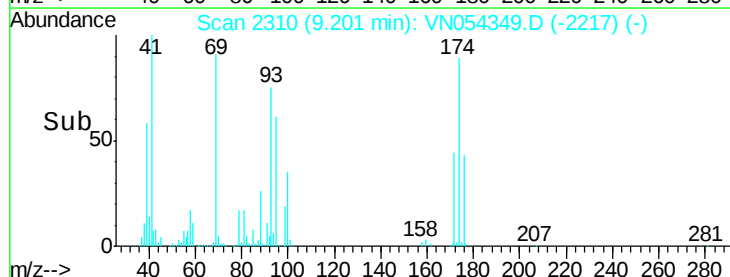
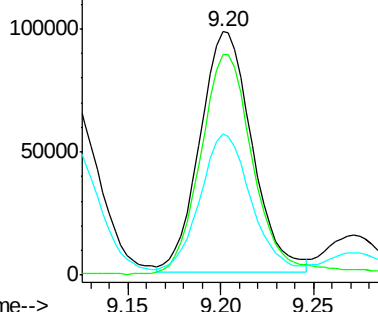
41 100

69 93.1 72.6 108.8

39 57.7 47.5 71.3



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

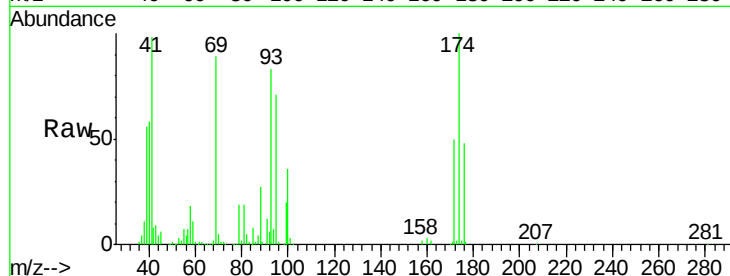




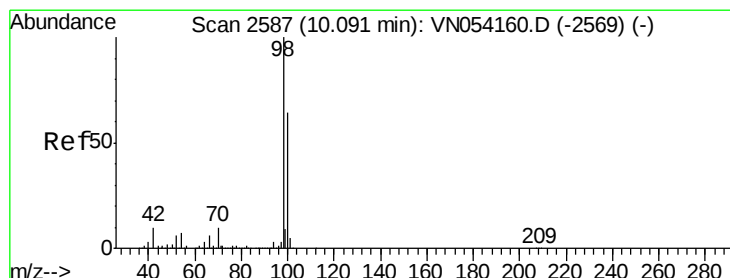
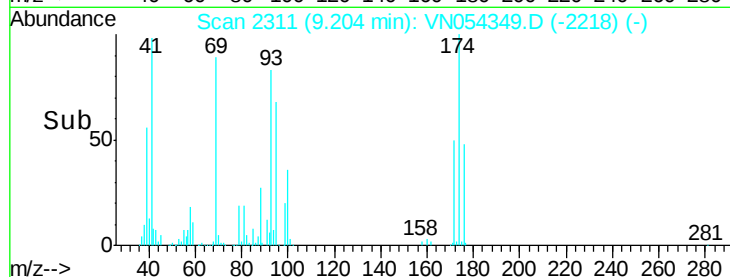
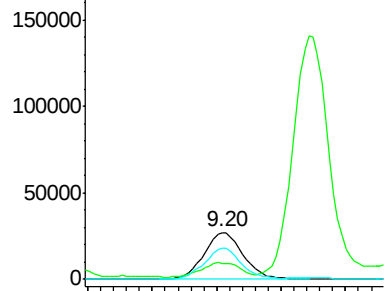
#49
1,4-Dioxane
Concen: 437.600 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion: 88 Resp: 56964
Ion Ratio Lower Upper
88 100
43 30.6 24.1 36.1
58 62.6 50.8 76.2

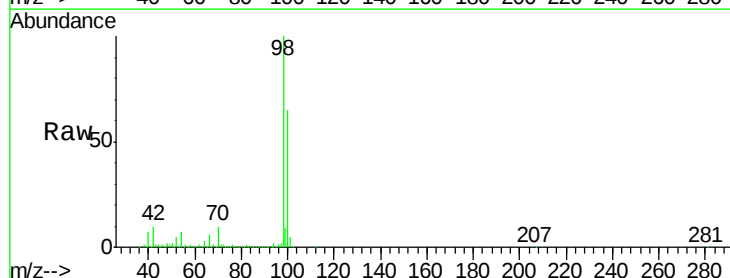


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

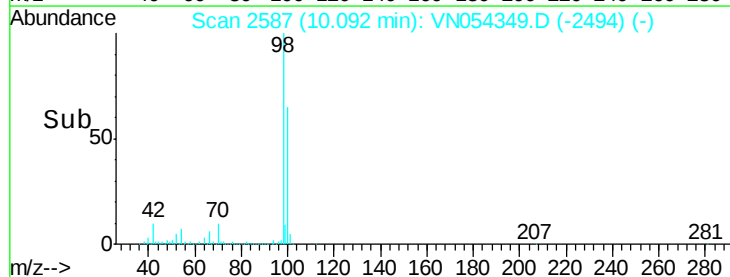
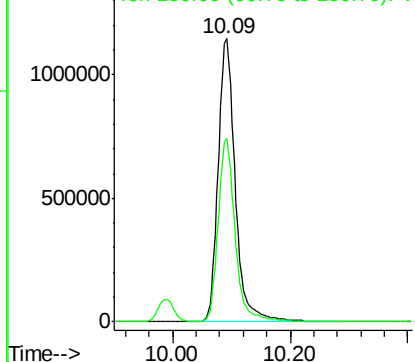


#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 98 Resp: 2304321
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



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: 107.009 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

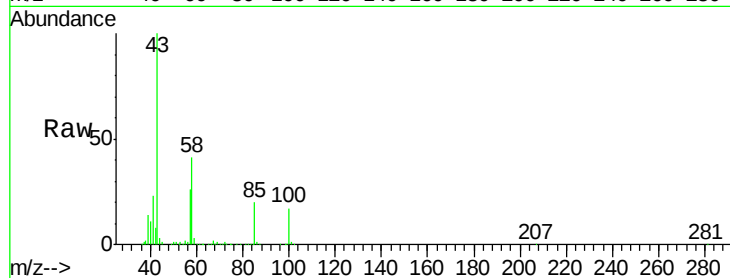
VN0316WBSD01

Tot Ion: 43 Resp: 1026947

Ion Ratio Lower Upper

43 100

58 40.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

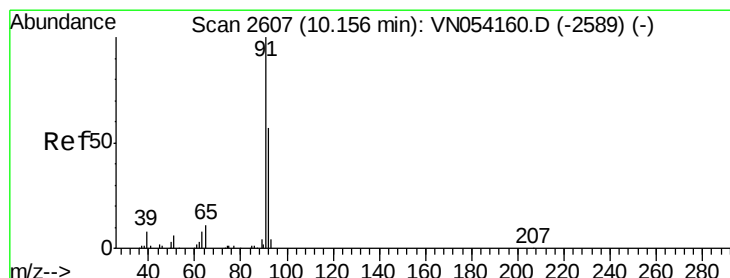
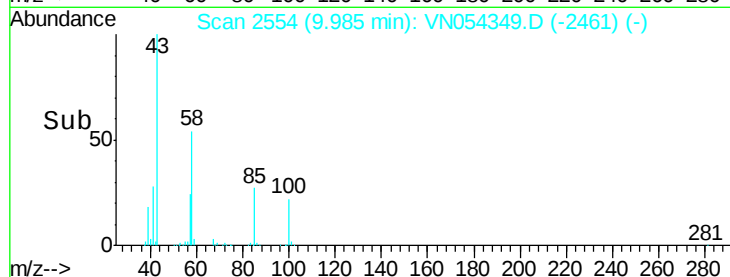
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.950 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054349.D

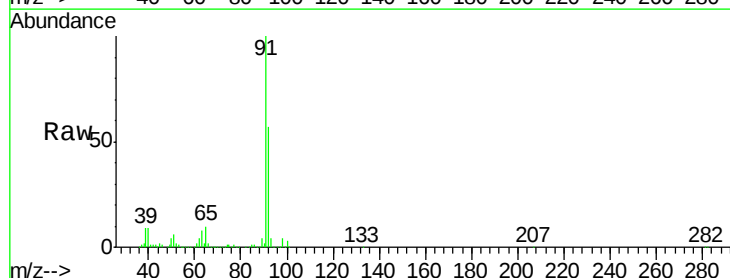
Acq: 16 Mar 2019 20:52

Tgt Ion: 92 Resp: 683476

Ion Ratio Lower Upper

92 100

91 177.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

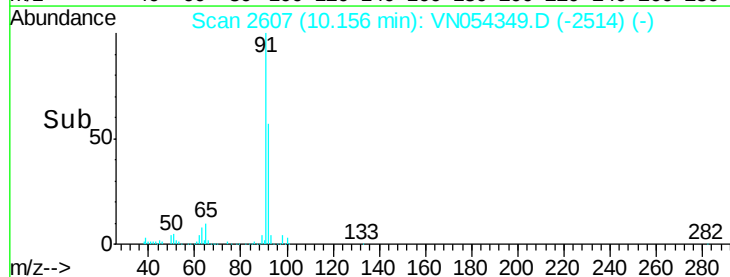
600000

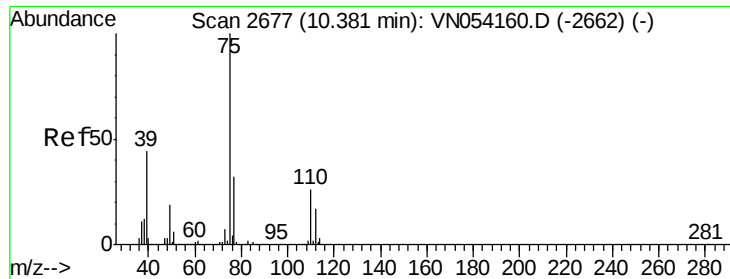
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.610 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

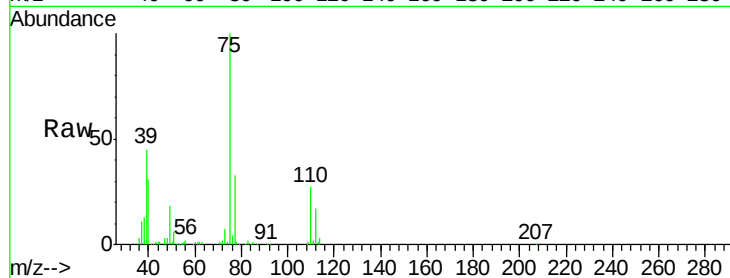
VN0316WBSD01

Tot Ion: 75 Resp: 301433

Ion Ratio Lower Upper

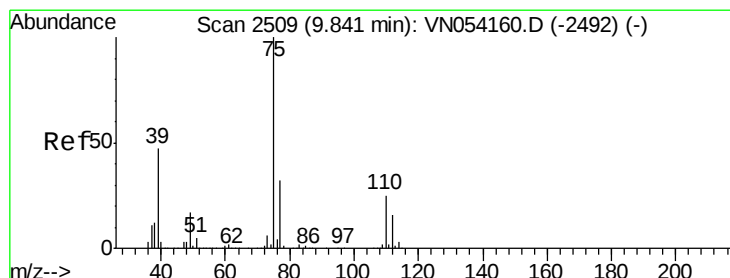
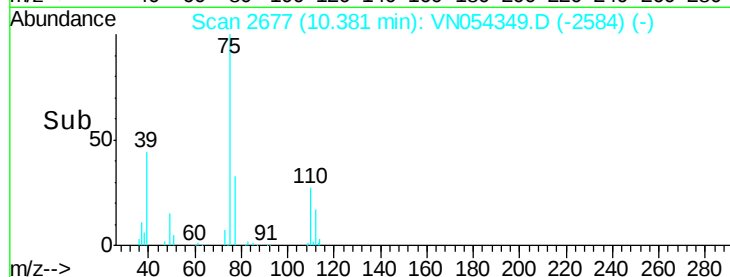
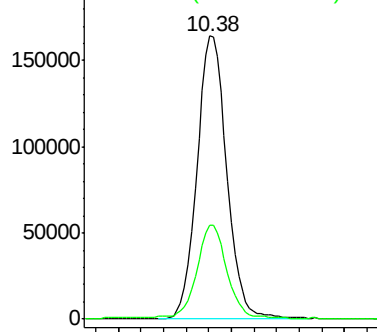
75 100

77 32.7 25.8 38.8



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: 18.764 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

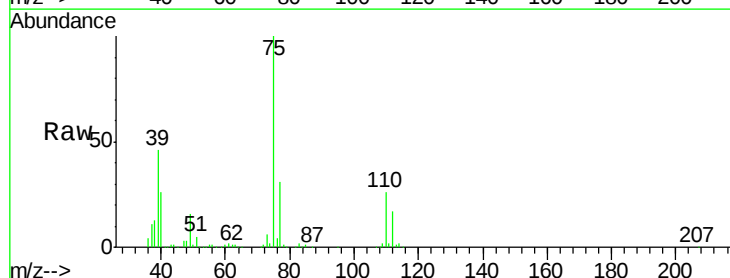
Tgt Ion: 75 Resp: 378397

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

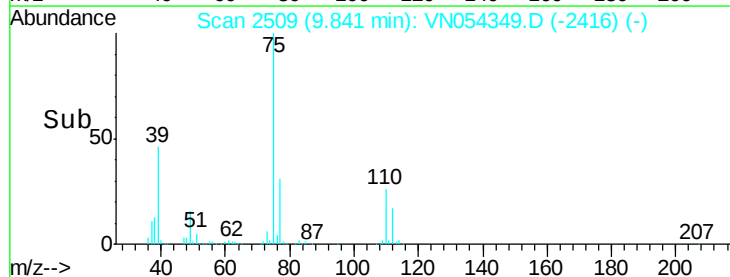
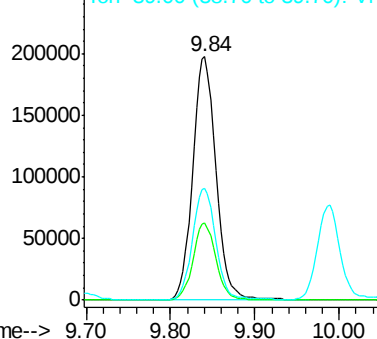
39 46.0 37.2 55.8

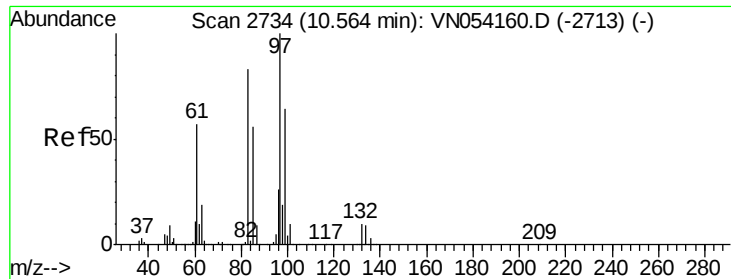


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

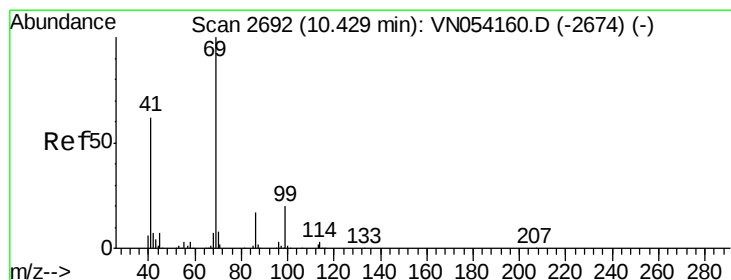
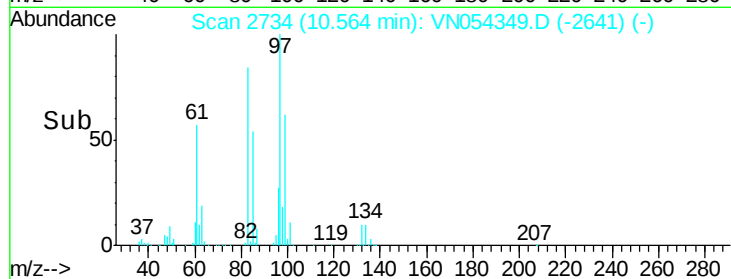
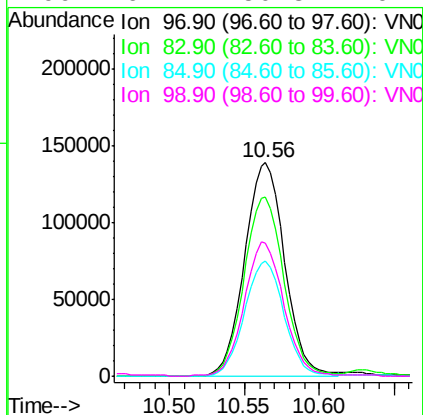
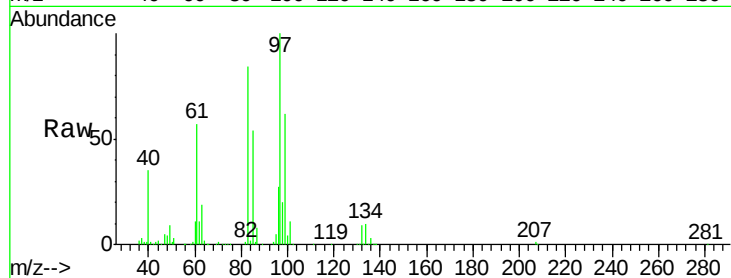




#55
 1,1,2-Trichloroethane
 Concen: 21.717 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

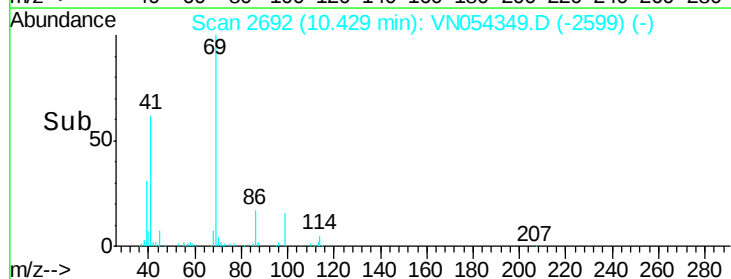
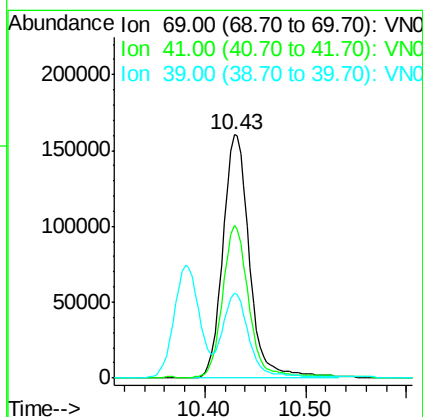
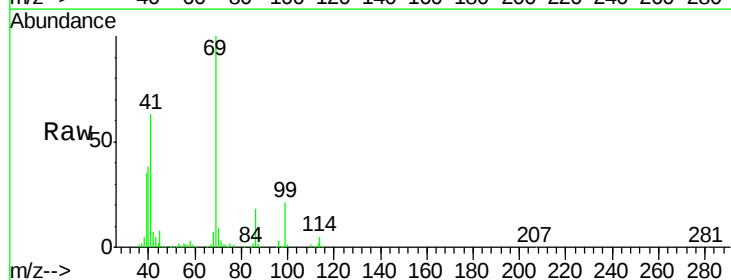
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

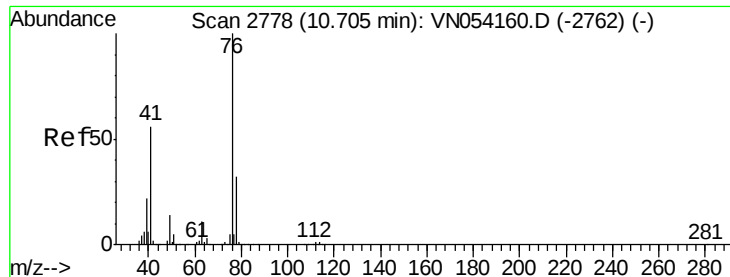
Tot Ion: 97 Resp: 258700
 Ion Ratio Lower Upper
 97 100
 83 84.0 66.6 100.0
 85 53.8 44.4 66.6
 99 62.1 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 20.887 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 69 Resp: 296685
 Ion Ratio Lower Upper
 69 100
 41 60.0 49.4 74.2
 39 34.1 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.611 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

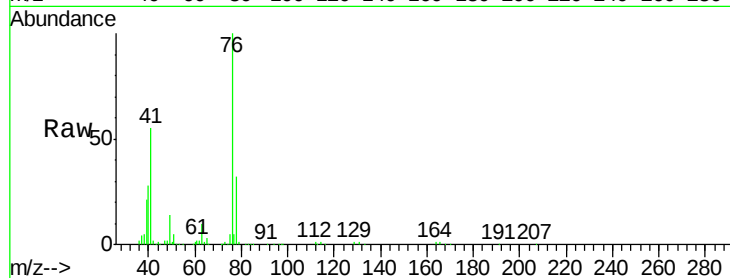
VN0316WBSD01

Tot Ion: 76 Resp: 420948

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

150000

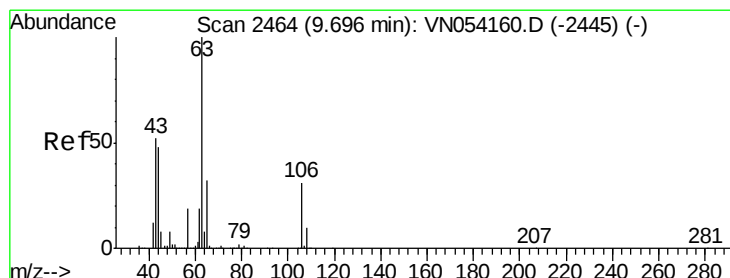
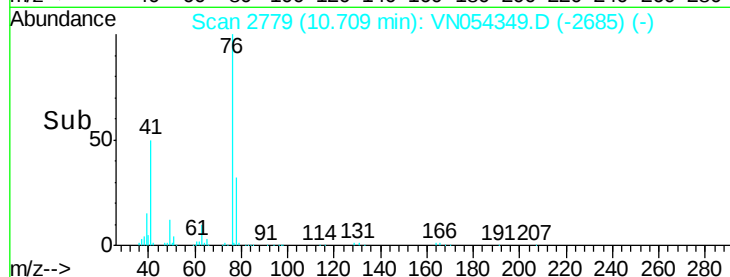
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.359 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054349.D

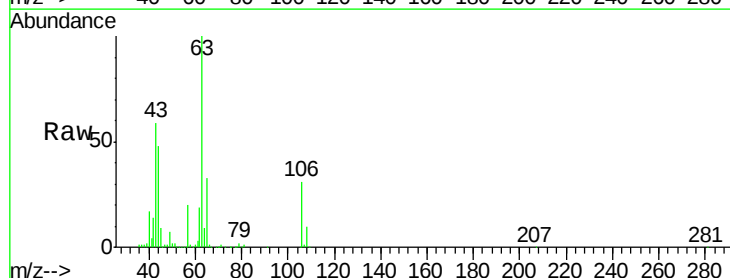
Acq: 16 Mar 2019 20:52

Tgt Ion: 63 Resp: 545286

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

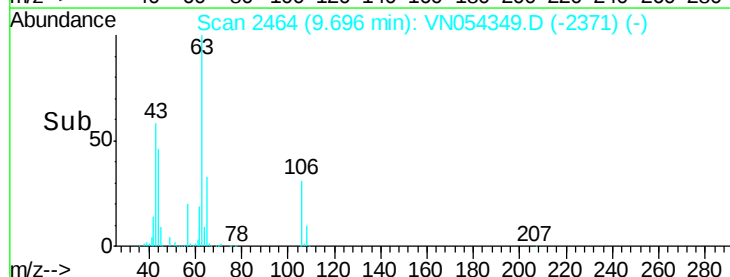
200000

100000

0

Time-->

9.60 9.70 9.80

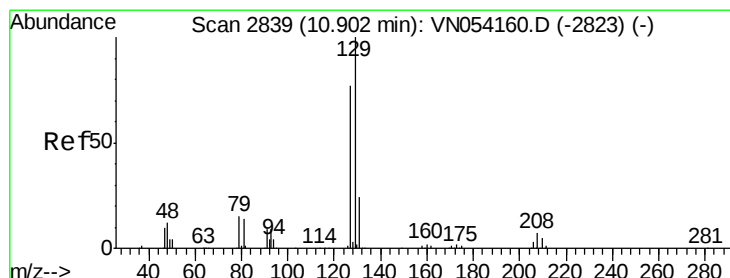
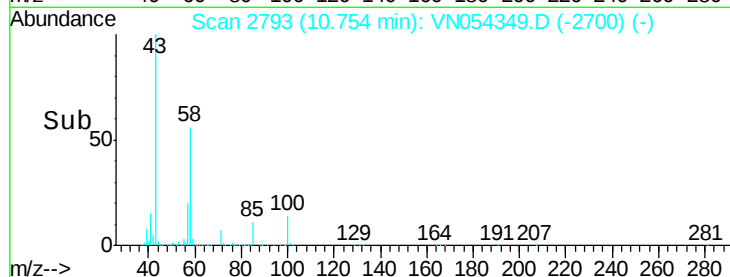
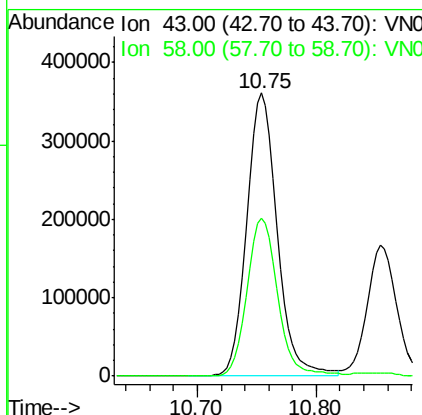
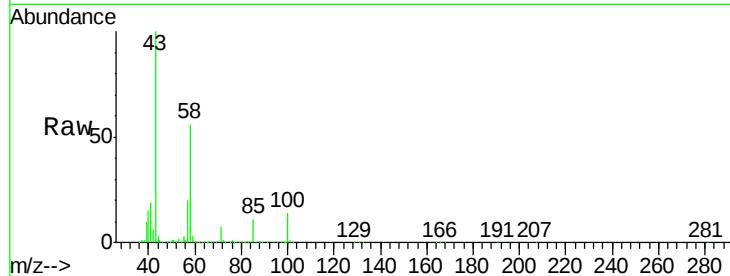




#59
2-Hexanone
Concen: 99.780 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

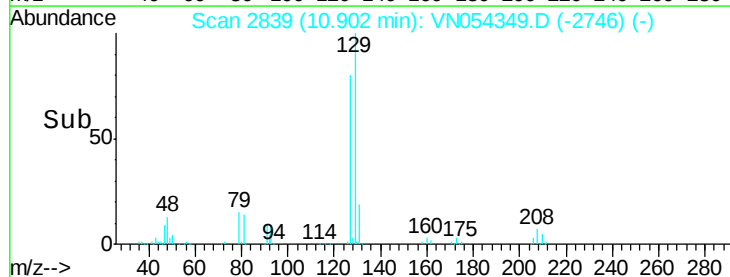
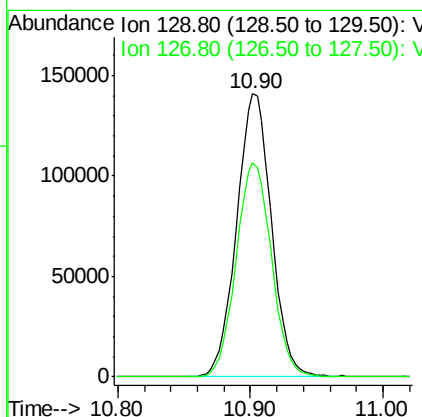
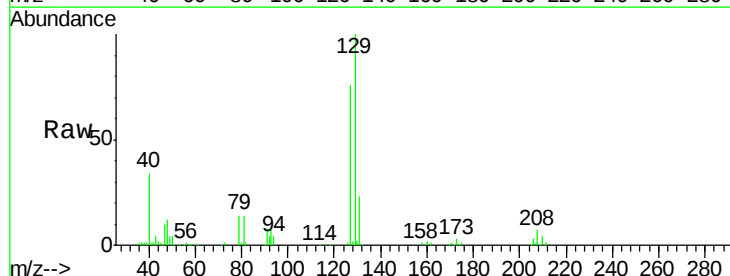
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion: 43 Resp: 637161
Ion Ratio Lower Upper
43 100
58 56.6 28.0 83.9



#60
Dibromochloromethane
Concen: 19.170 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 129 Resp: 257035
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8

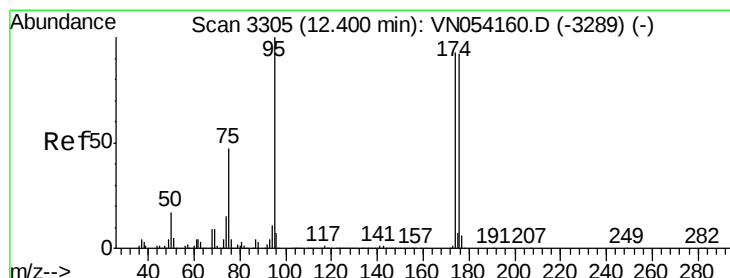
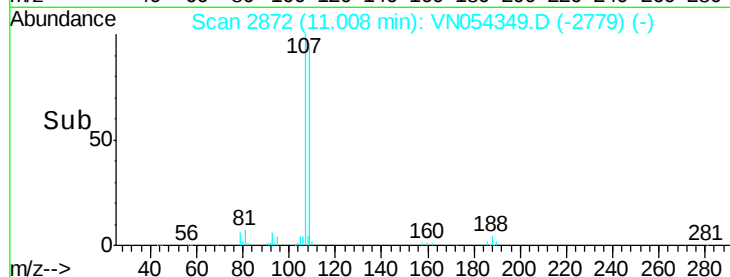
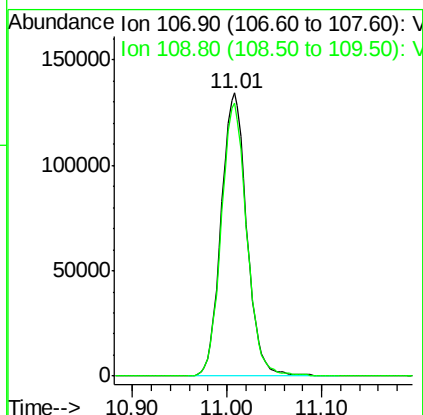
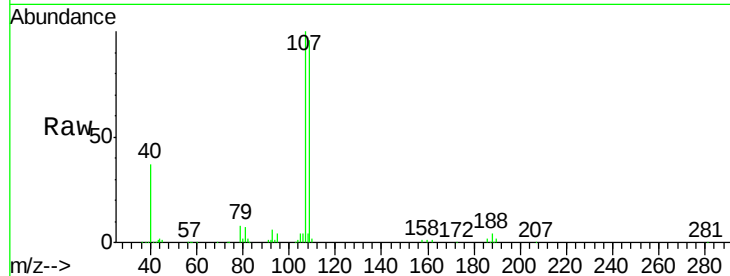




#61
 1,2-Dibromoethane
 Concen: 20.920 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

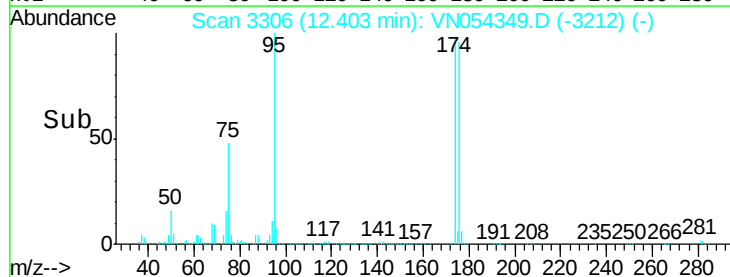
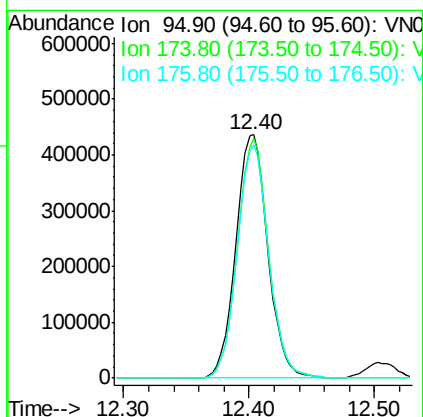
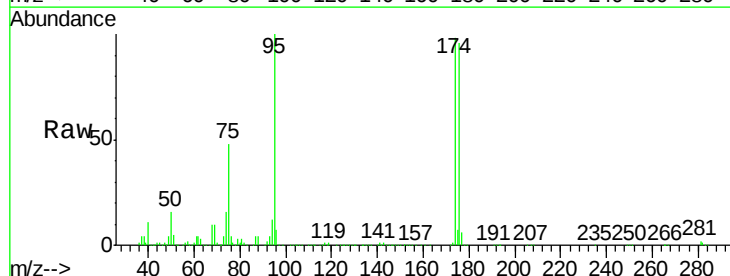
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

Tot Ion: 107 Resp: 253252
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.482 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion: 95 Resp: 772653
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 191.0
 176 94.5 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

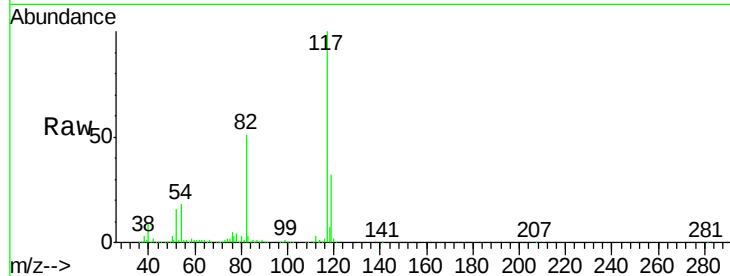
Tot Ion:117 Resp: 1698639

Ion Ratio Lower Upper

117 100

82 51.0 40.0 60.0

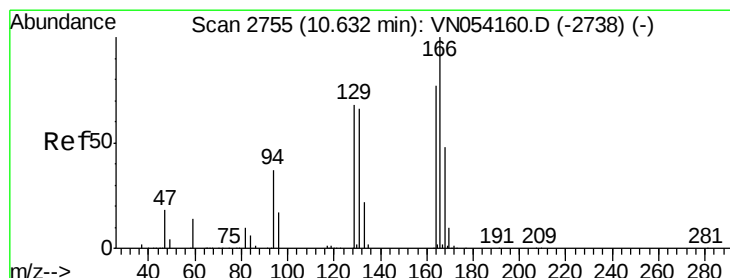
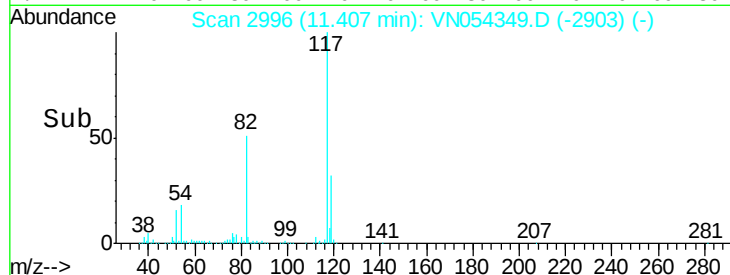
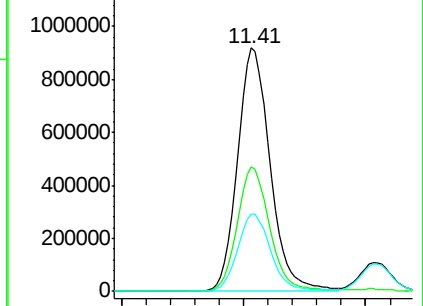
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.356 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Tgt Ion:164 Resp: 334307

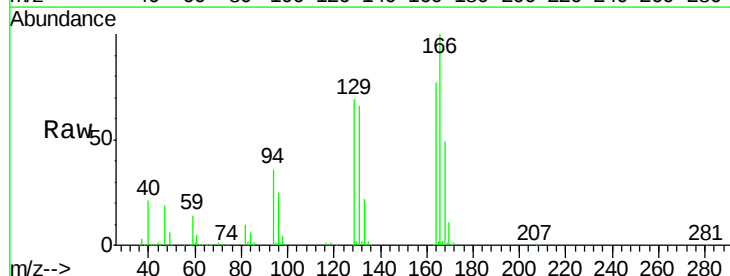
Ion Ratio Lower Upper

164 100

166 130.1 103.9 155.9

129 90.1 71.1 106.7

131 85.4 68.2 102.4

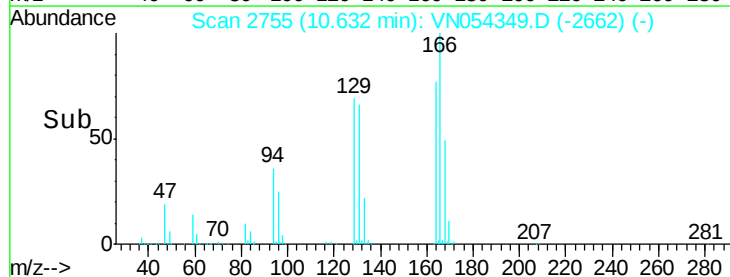
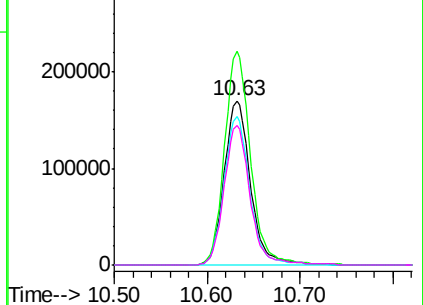


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.081 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

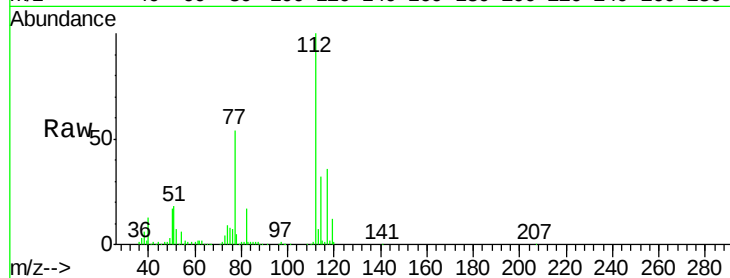
VN0316WBSD01

Tot Ion:112 Resp: 786278

Ion Ratio Lower Upper

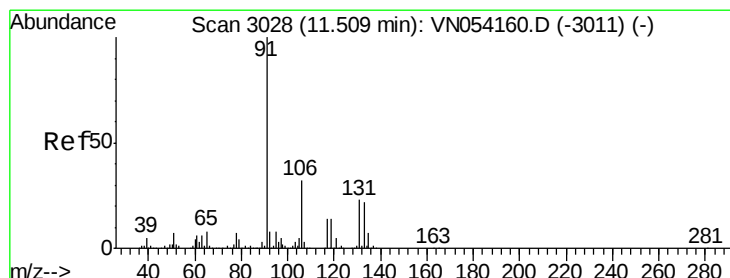
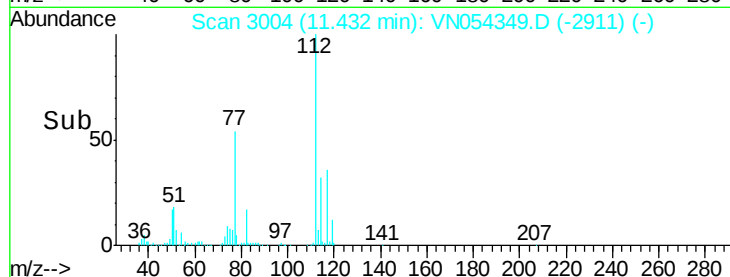
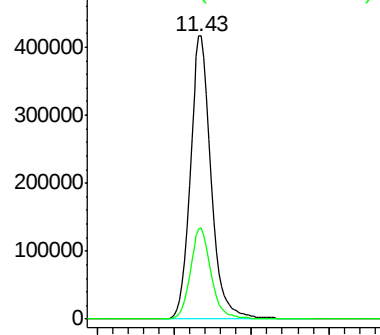
112 100

114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.590 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

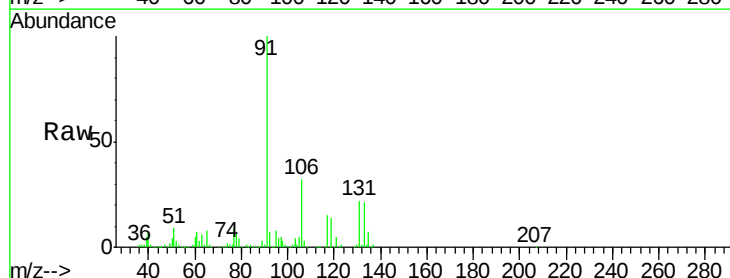
Tgt Ion:131 Resp: 278977

Ion Ratio Lower Upper

131 100

133 94.7 47.6 142.9

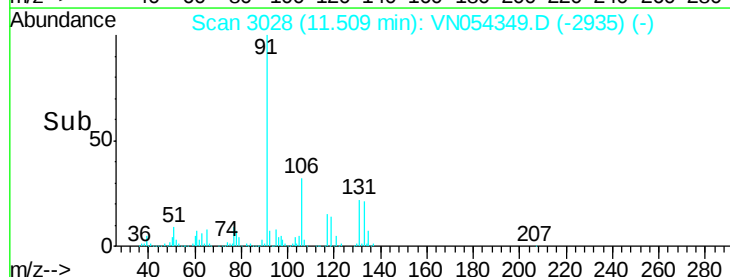
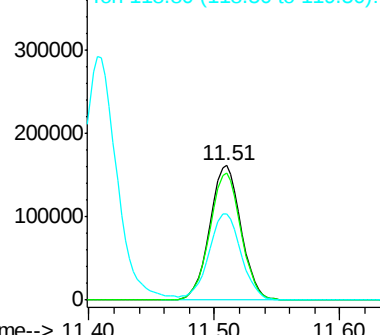
119 67.0 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

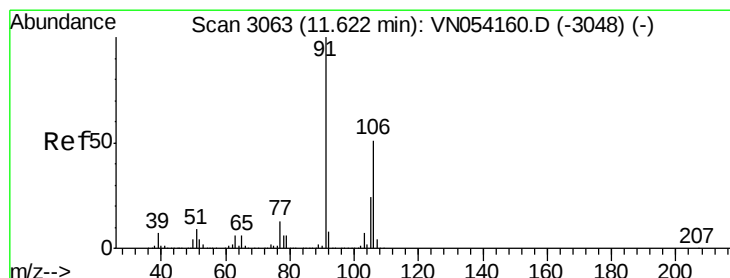
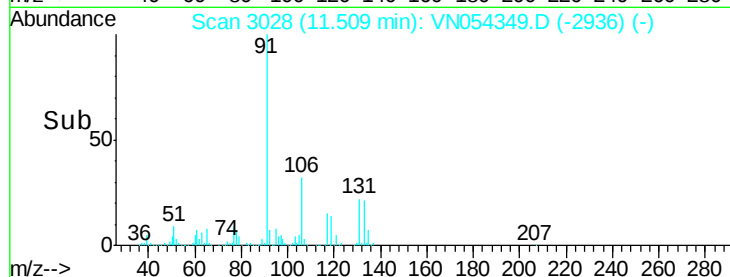
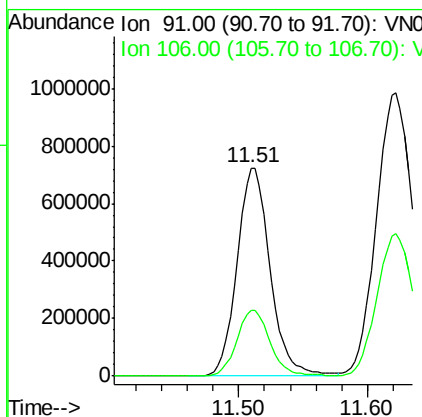
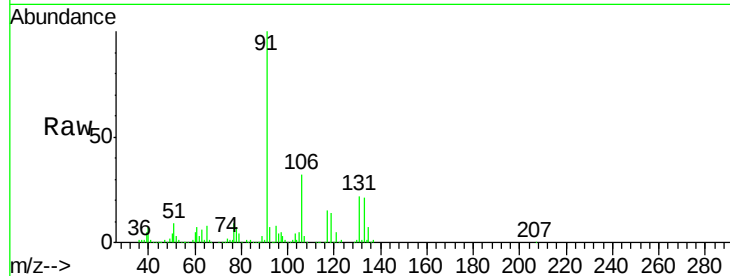




#67
Ethyl Benzene
Concen: 20.906 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

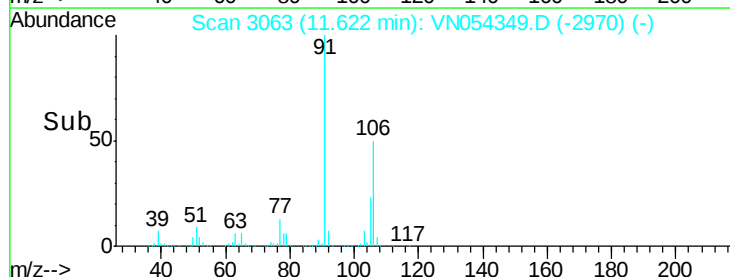
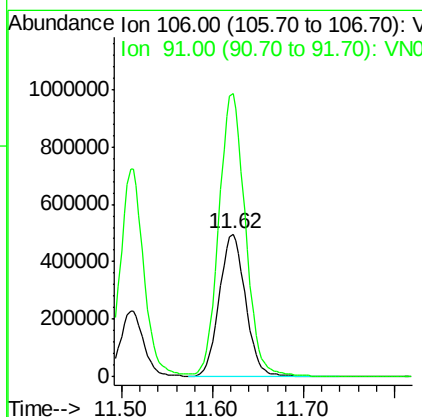
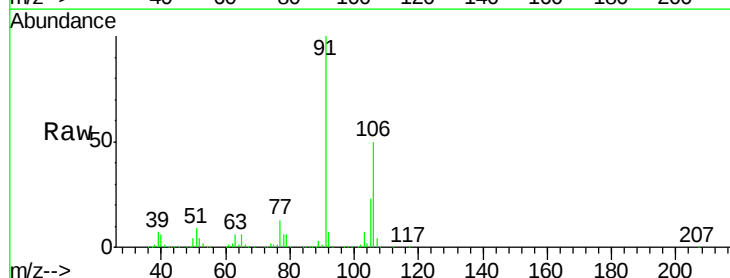
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD01

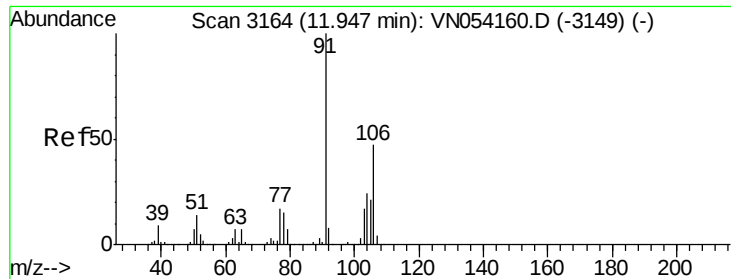
Tot Ion: 91 Resp: 1292574
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 41.500 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 106 Resp: 1002850
Ion Ratio Lower Upper
106 100
91 199.3 159.4 239.2

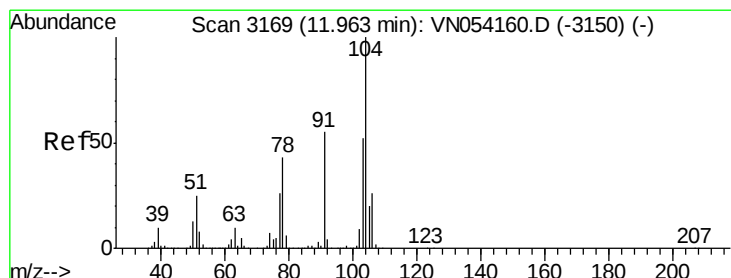
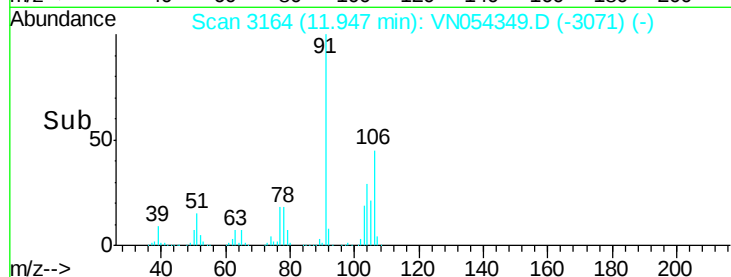
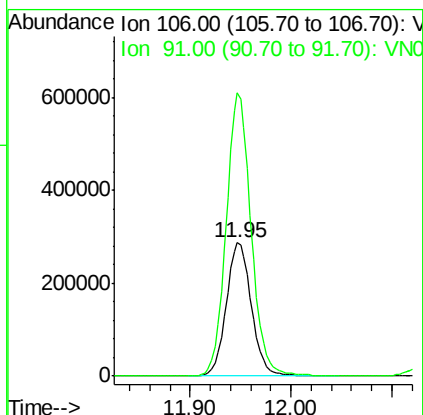
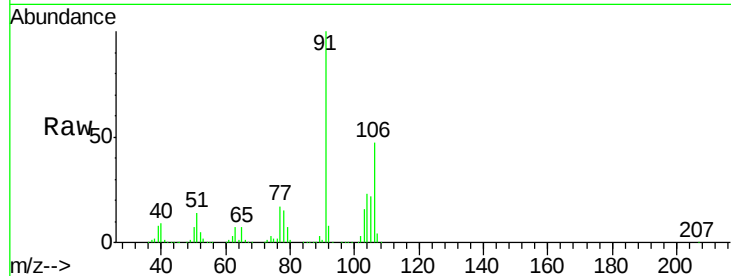




#69
o-Xylene
Concen: 21.243 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

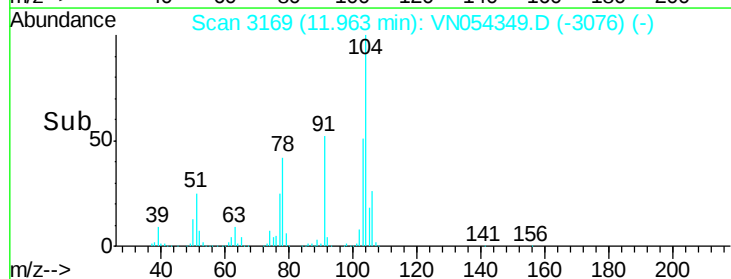
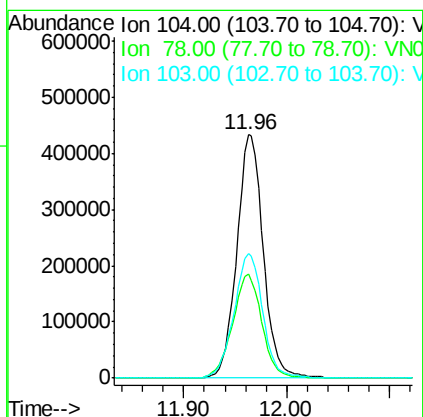
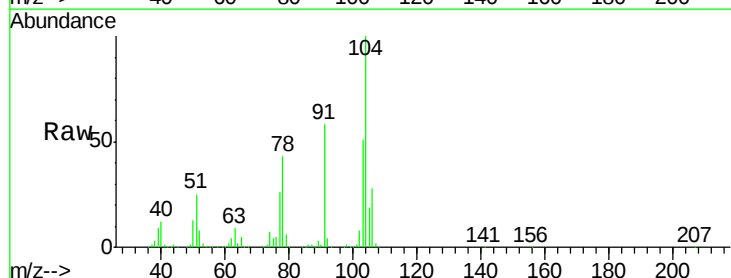
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

Tot Ion:106 Resp: 500410
Ion Ratio Lower Upper
106 100
91 210.1 105.7 317.1



#70
Styrene
Concen: 20.977 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion:104 Resp: 775006
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.9 44.4 66.6

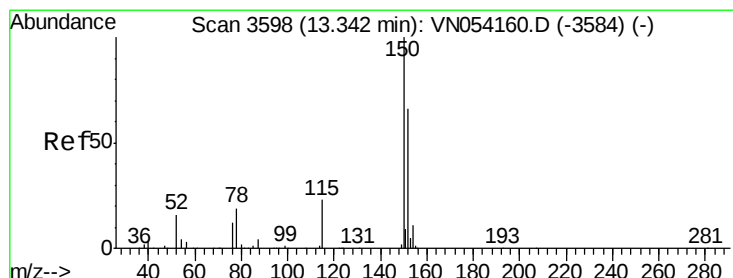
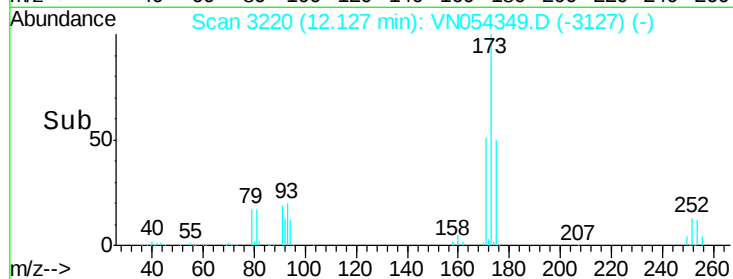
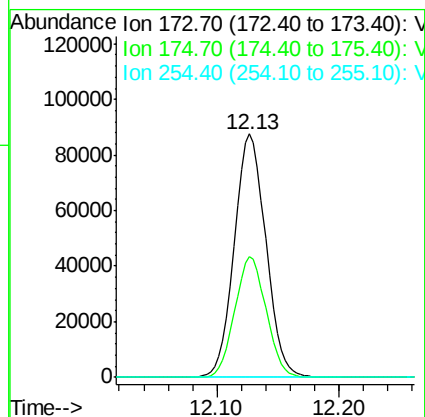
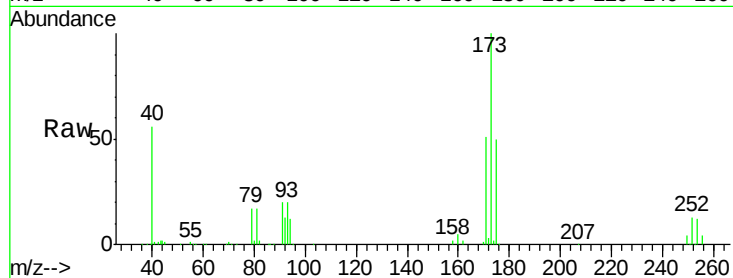




#71
 Bromoform
 Concen: 16.848 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

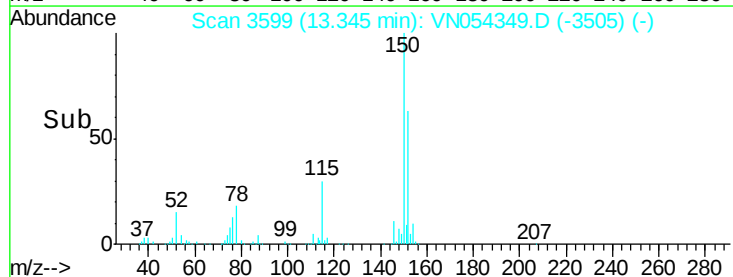
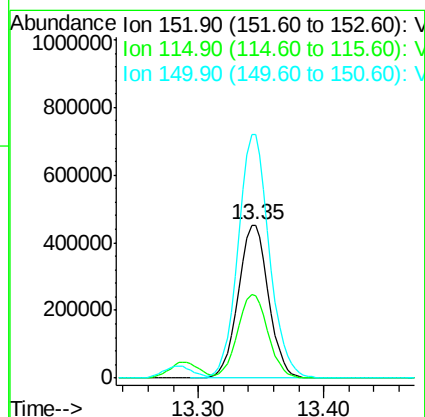
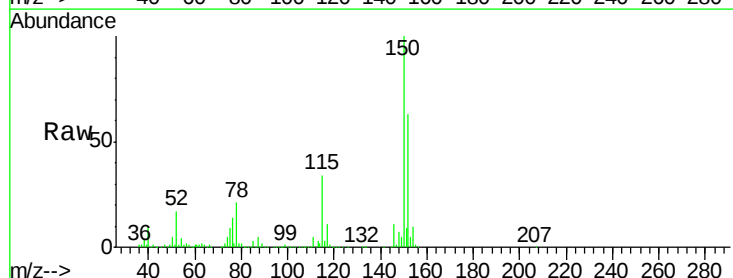
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

Tot Ion:173 Resp: 157127
 Ion Ratio Lower Upper
 173 100
 175 49.1 24.4 73.2
 254 0.0 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion:152 Resp: 756581
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.2 81.6
 150 164.1 0.0 349.2





#73

Isopropylbenzene

Concen: 21.505 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

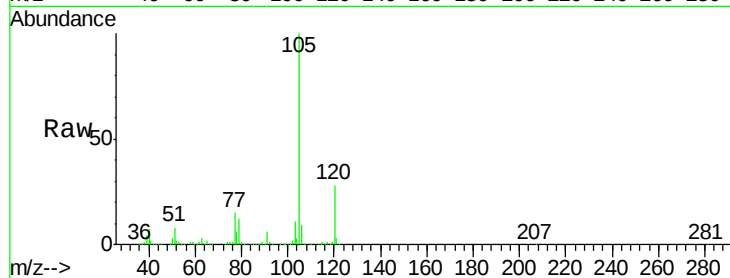
VN0316WBSD01

Tot Ion:105 Resp: 1301703

Ion Ratio Lower Upper

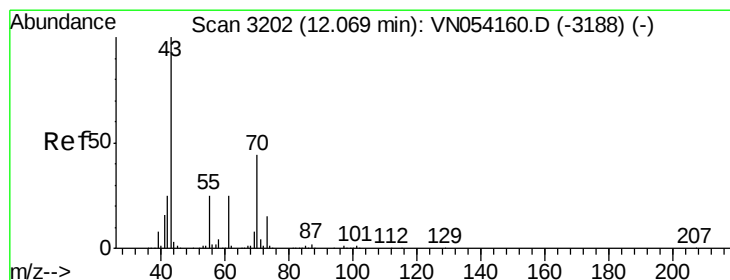
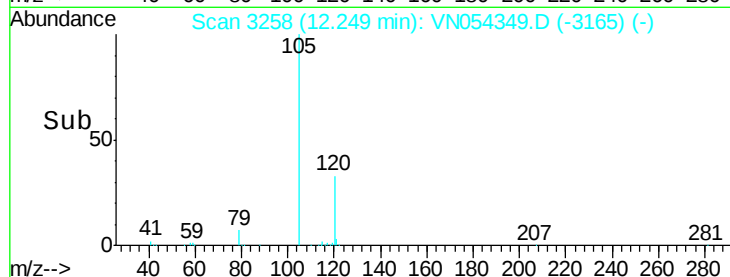
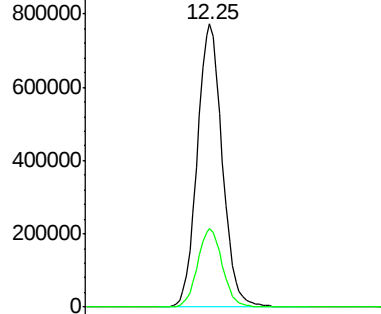
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.493 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Tgt Ion: 43 Resp: 275341

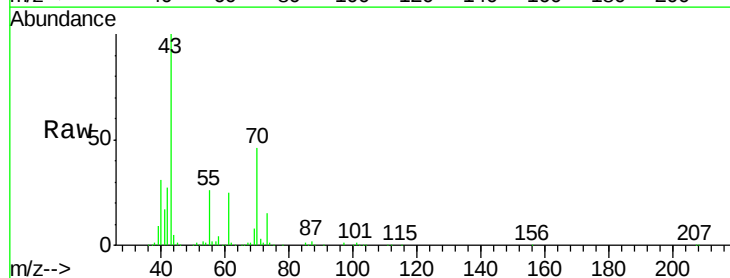
Ion Ratio Lower Upper

43 100

70 46.1 35.4 53.0

55 27.2 19.8 29.6

61 25.6 19.8 29.6

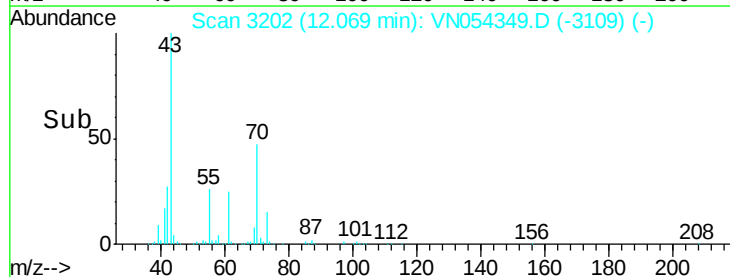
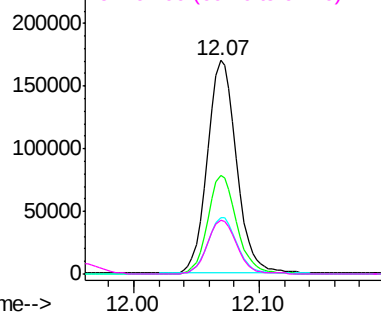


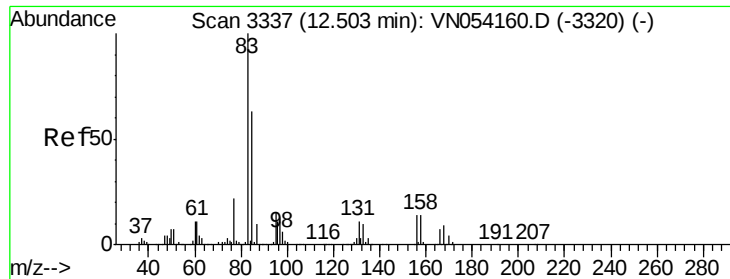
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.369 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

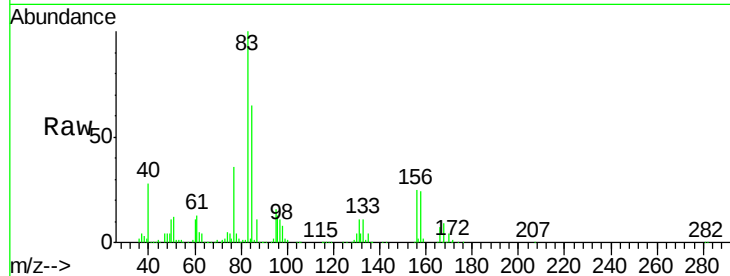
Tot Ion: 83 Resp: 288480

Ion Ratio Lower Upper

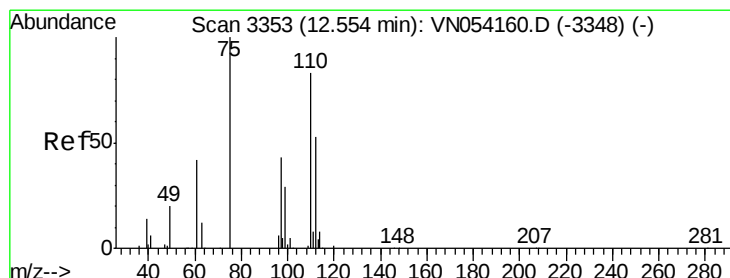
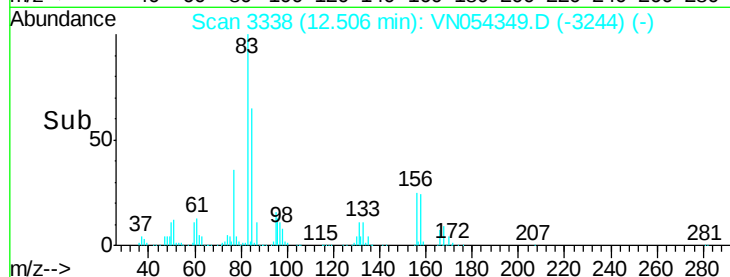
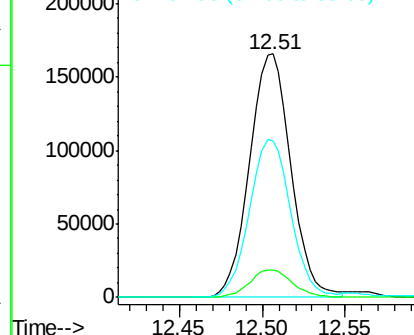
83 100

131 11.7 5.8 17.4

85 64.7 32.2 96.6



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



#76

1,2,3-Trichloropropane

Concen: 29.247 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054349.D

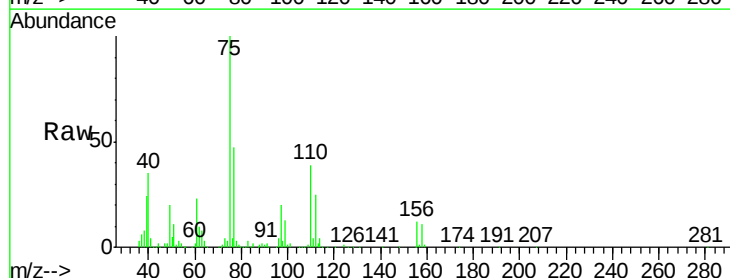
Acq: 16 Mar 2019 20:52

Tgt Ion: 75 Resp: 325398

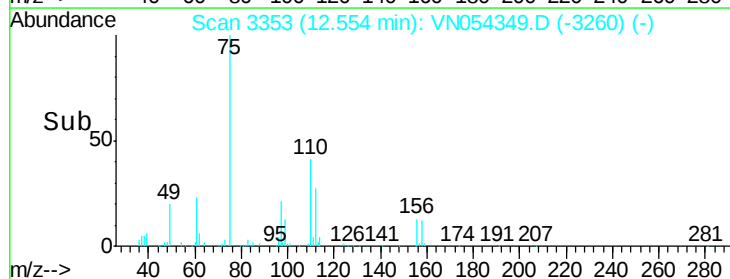
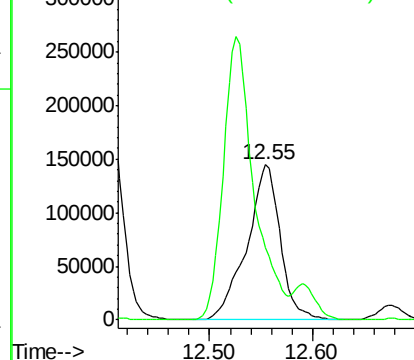
Ion Ratio Lower Upper

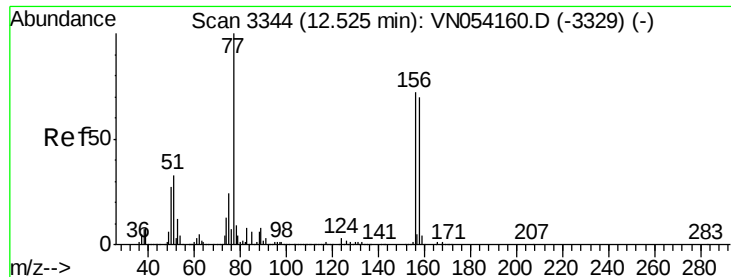
75 100

77 0.0 0.0 0.0



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

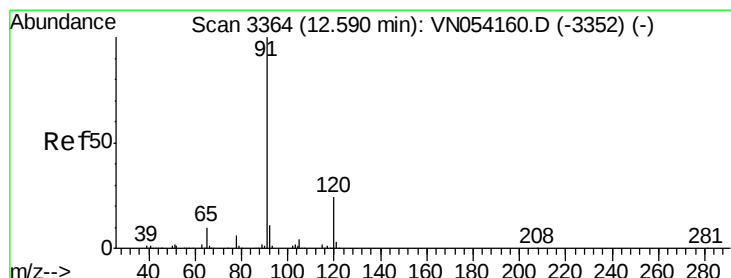
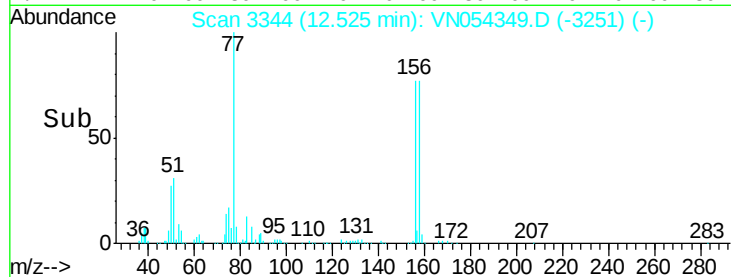
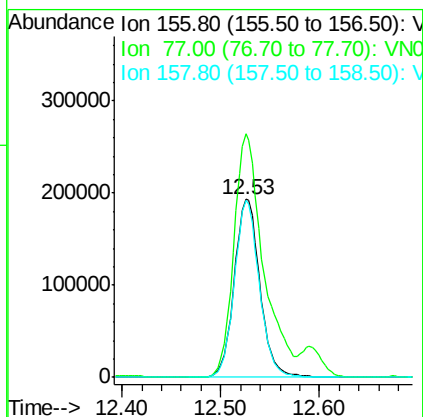
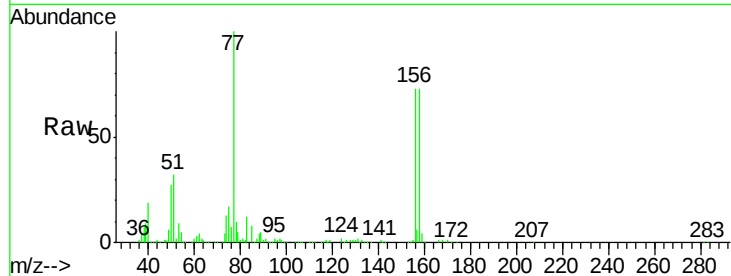




#77
Bromobenzene
Concen: 21.786 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

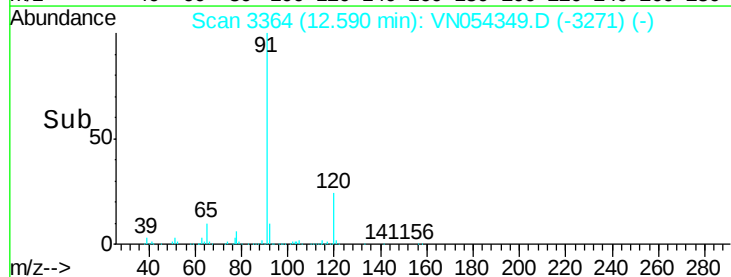
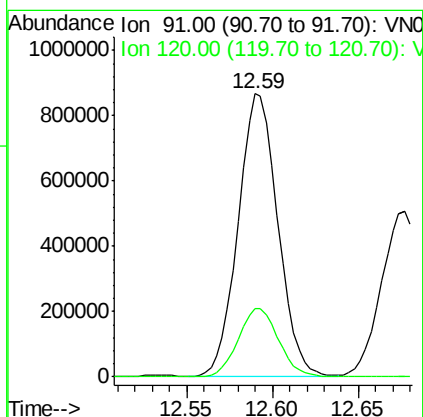
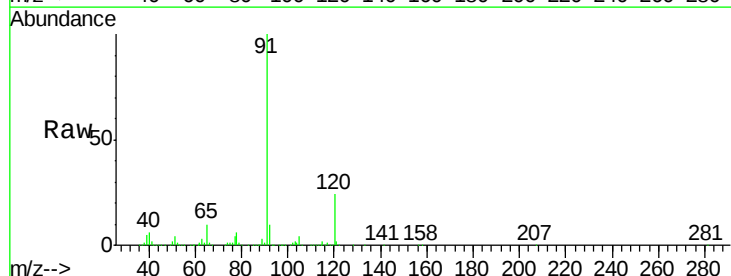
Instrument :
MSVOA_N
ClientSampled :
VN0316WBSD01

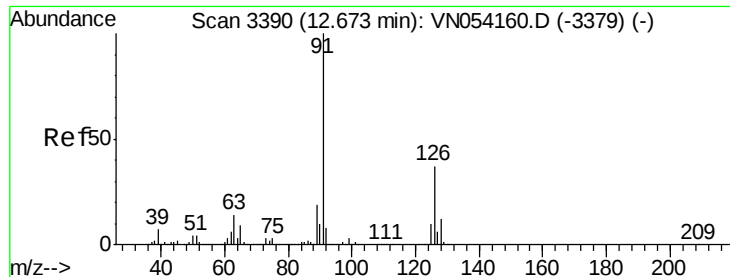
Tot Ion:156 Resp: 348957
Ion Ratio Lower Upper
156 100
77 157.9 81.5 244.4
158 96.3 49.0 147.2



#78
n-propylbenzene
Concen: 21.093 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 91 Resp: 1385406
Ion Ratio Lower Upper
91 100
120 24.6 12.3 36.9





#79

2-Chlorotoluene

Concen: 21.522 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

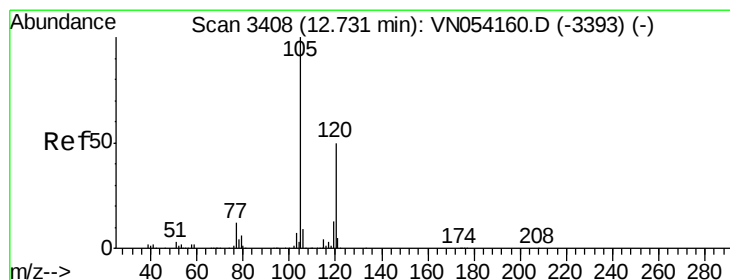
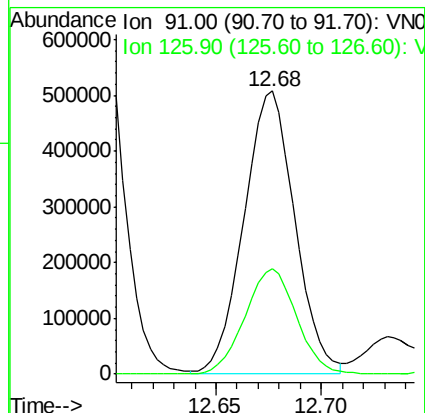
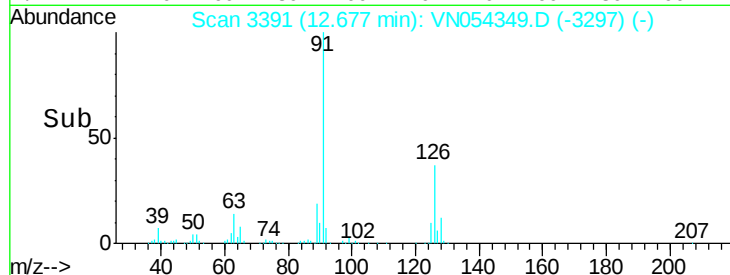
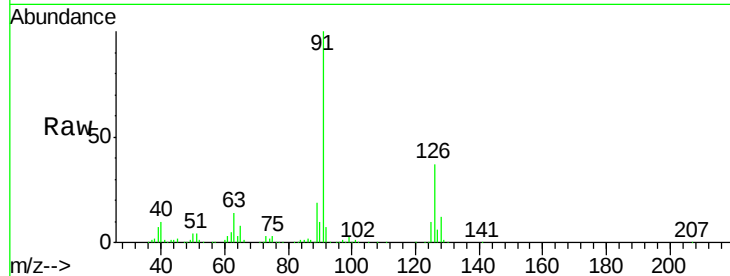
VN0316WBSD01

Tot Ion: 91 Resp: 849943

Ion Ratio Lower Upper

91 100

126 38.0 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.978 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054349.D

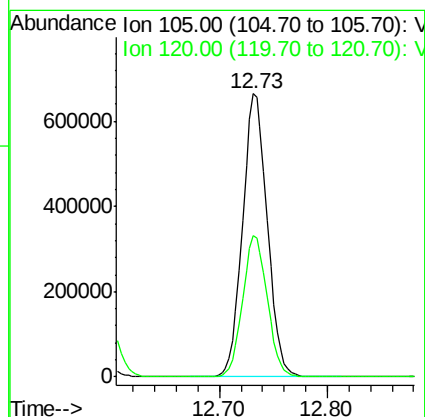
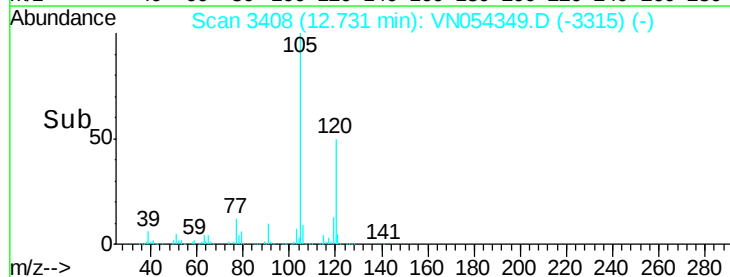
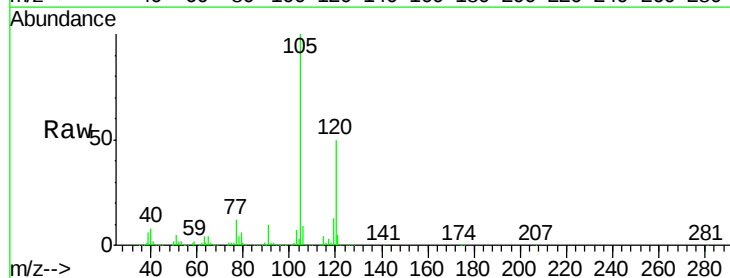
Acq: 16 Mar 2019 20:52

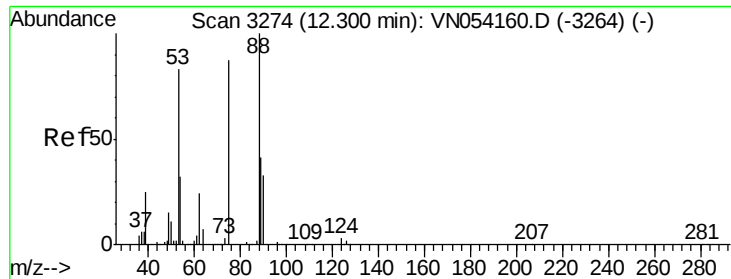
Tgt Ion:105 Resp: 1056230

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0

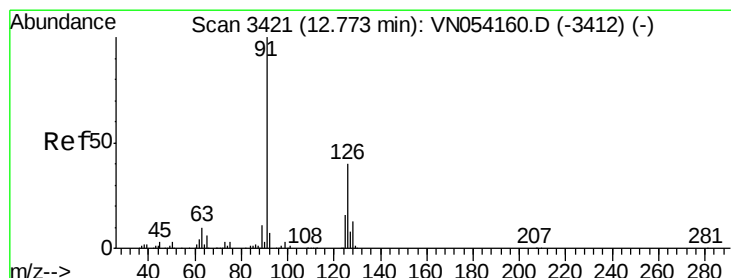
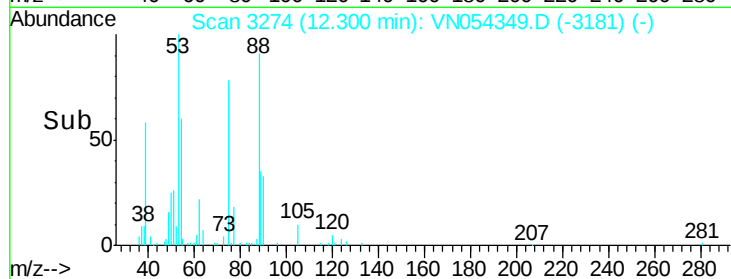
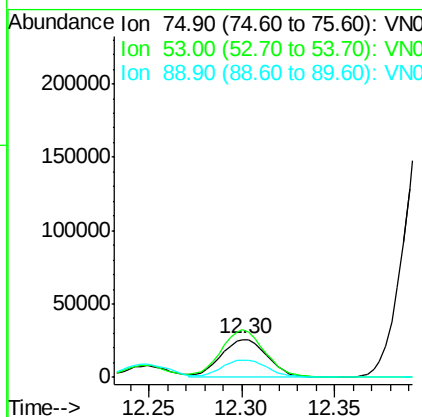
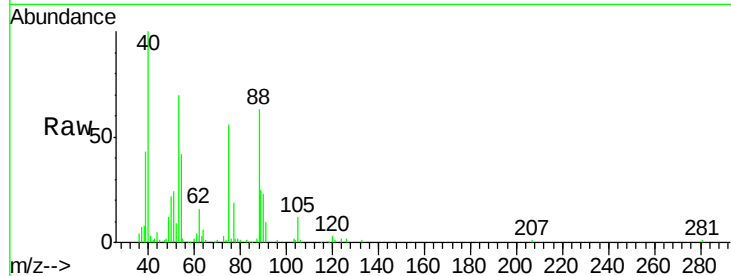




#81
trans-1,4-Dichloro-2-butene
Concen: 13.659 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

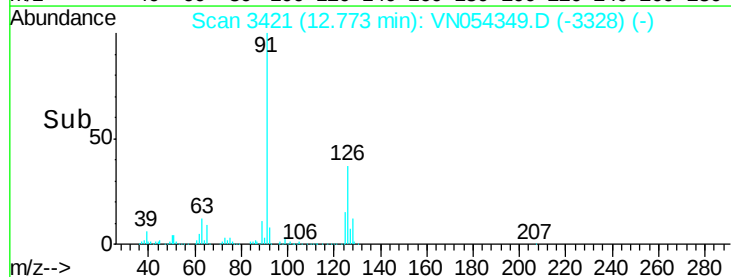
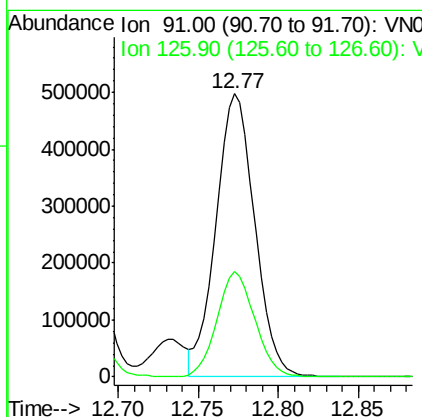
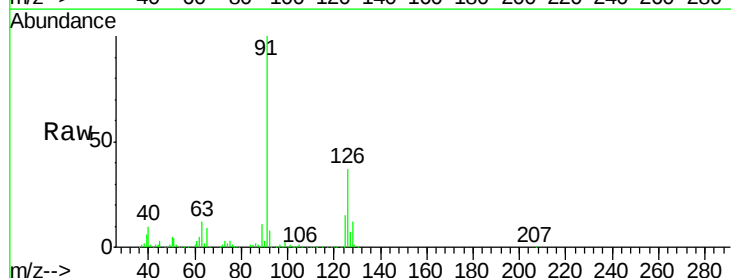
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBSD01

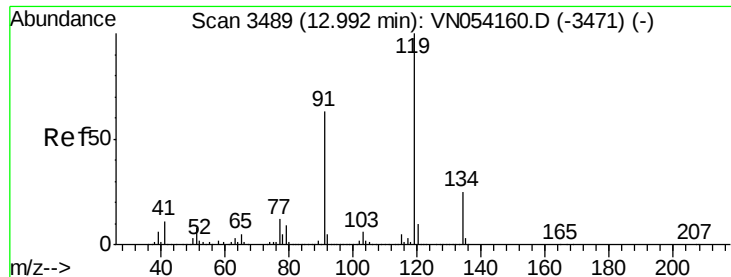
Tot Ion: 75 Resp: 44456
Ion Ratio Lower Upper
75 100
53 122.0 76.2 114.2#
89 46.5 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.944 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054349.D
Acq: 16 Mar 2019 20:52

Tgt Ion: 91 Resp: 825896
Ion Ratio Lower Upper
91 100
126 36.4 18.1 54.1

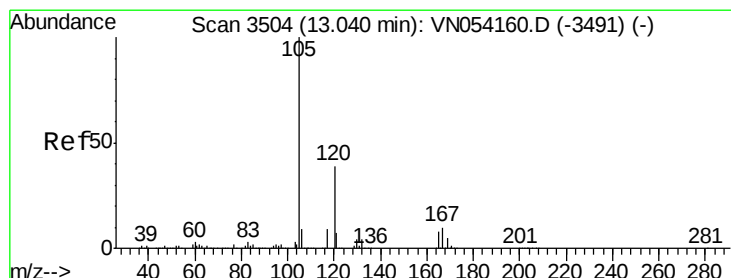
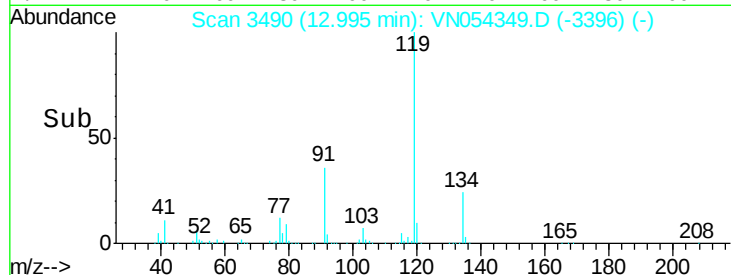
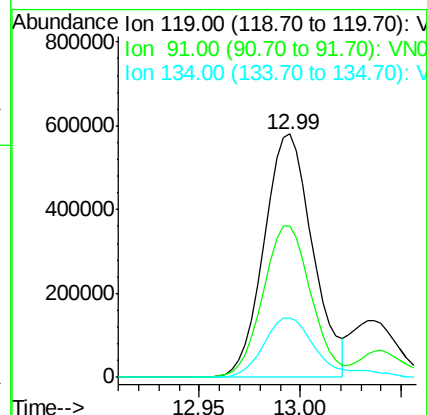
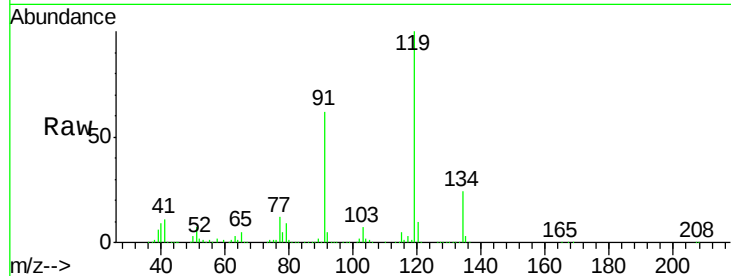




#83
 tert-Butylbenzene
 Concen: 21.018 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

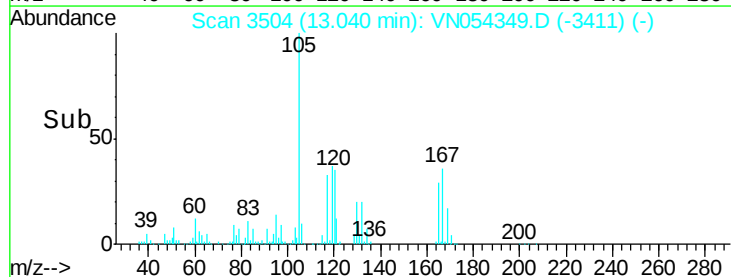
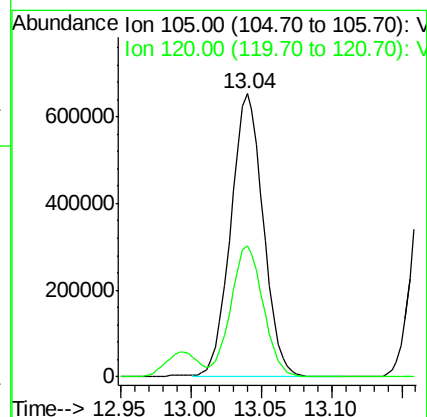
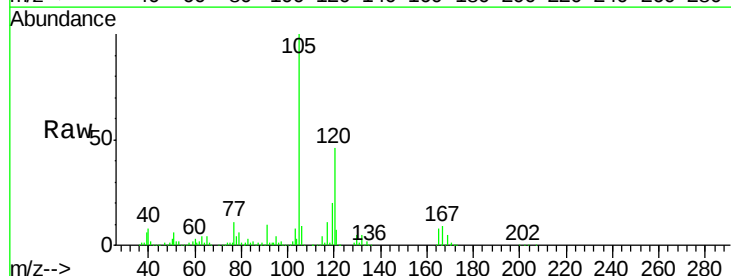
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

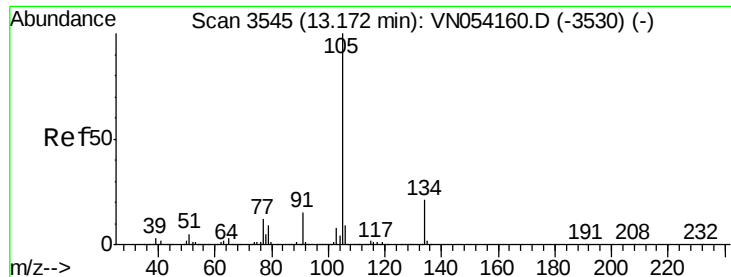
Tot Ion:119 Resp: 974027
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.9 92.8
 134 27.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.228 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054349.D
 Acq: 16 Mar 2019 20:52

Tgt Ion:105 Resp: 1048572
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.065 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

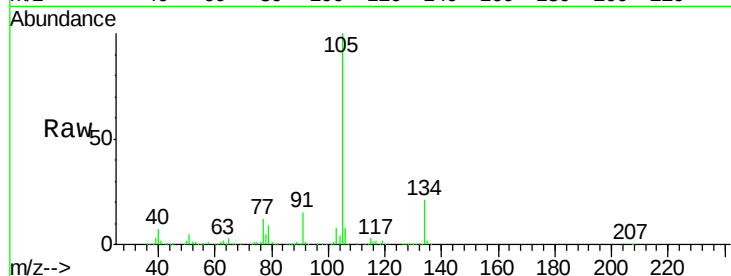
VN0316WBSD01

Tot Ion:105 Resp: 1205939

Ion Ratio Lower Upper

105 100

134 21.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

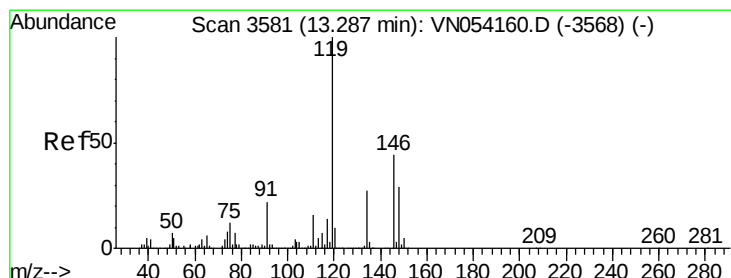
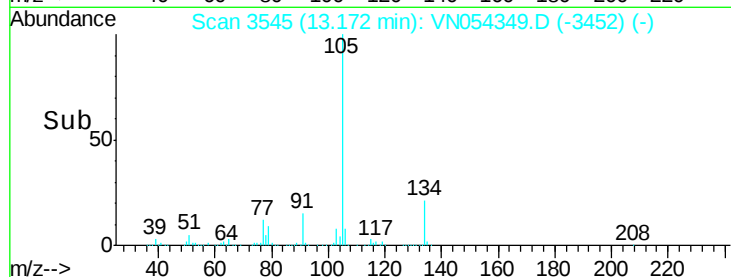
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.668 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

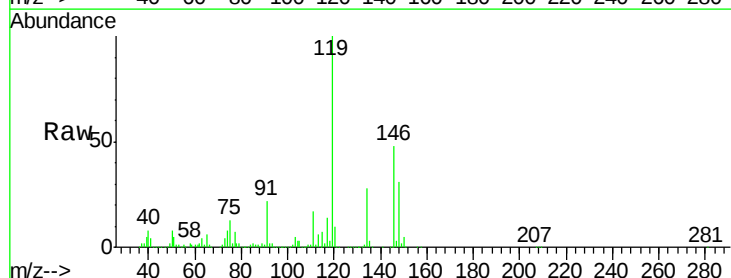
Tgt Ion:119 Resp: 1037019

Ion Ratio Lower Upper

119 100

134 28.1 13.6 40.8

91 21.9 11.1 33.3



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

13.29

800000

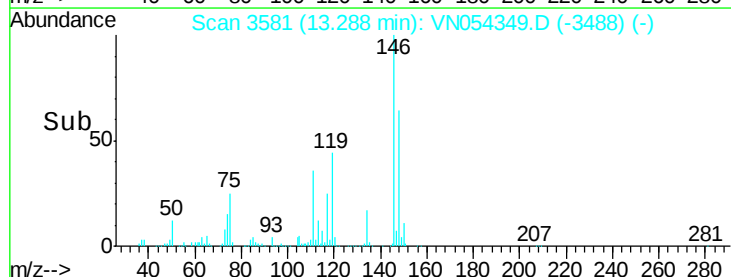
600000

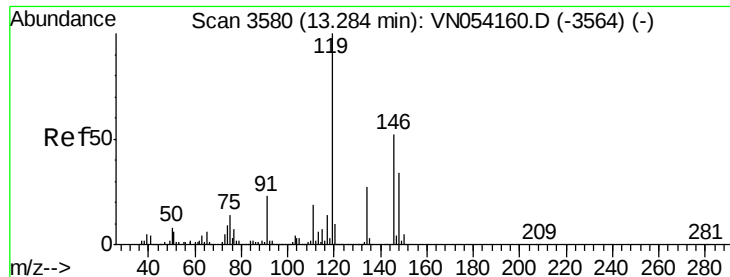
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.060 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

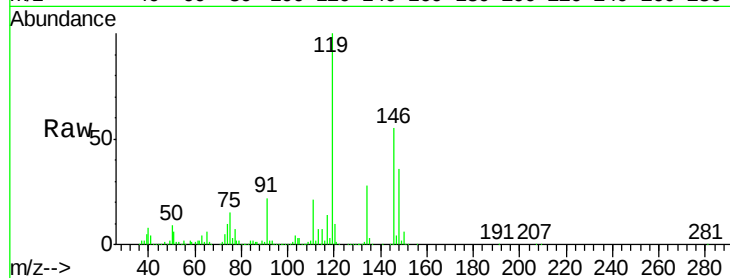
Tot Ion:146 Resp: 568396

Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

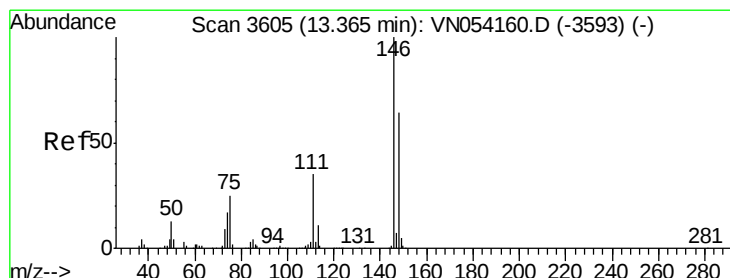
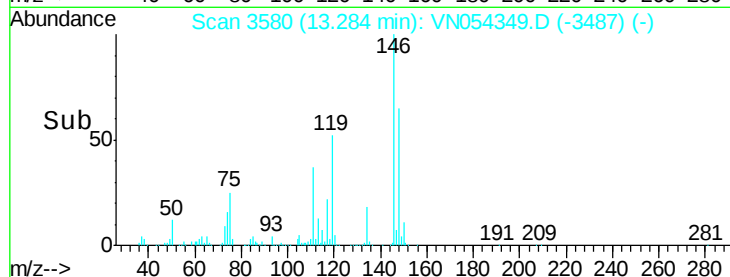
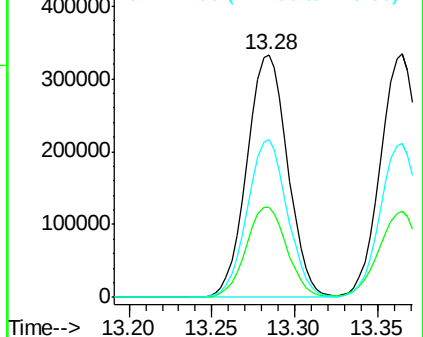
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.051 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

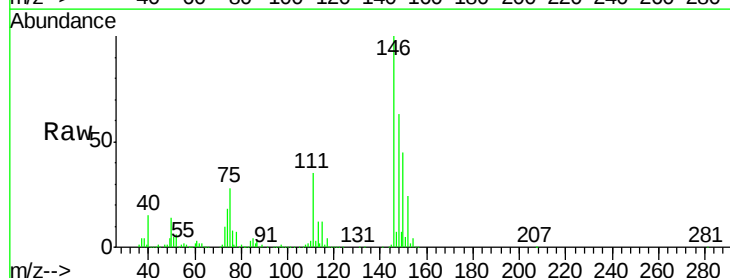
Tgt Ion:146 Resp: 558143

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.1

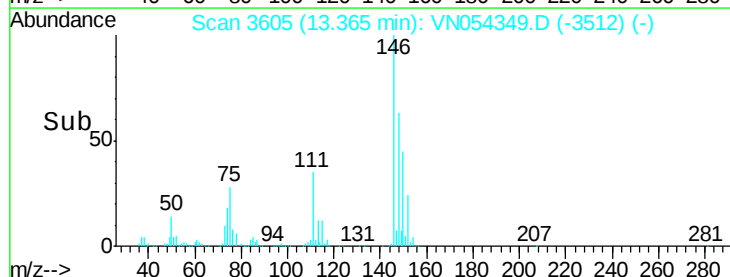
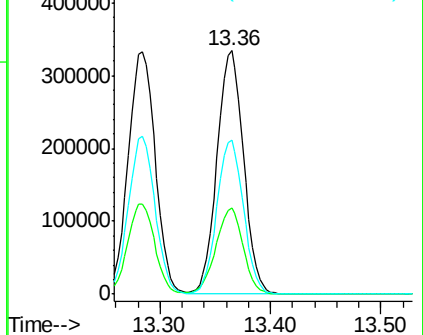
148 63.3 32.0 96.0

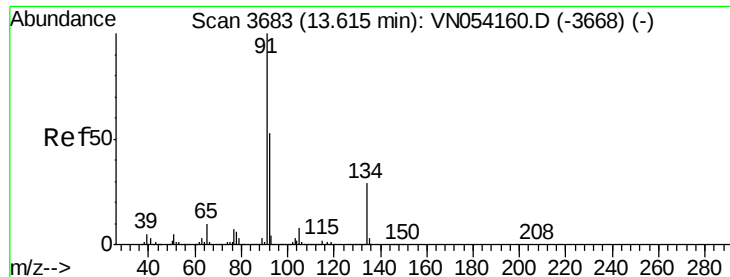


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.563 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

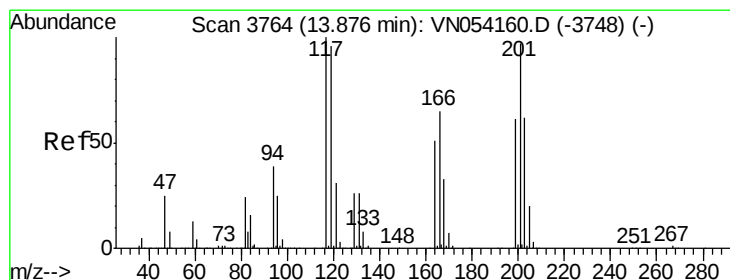
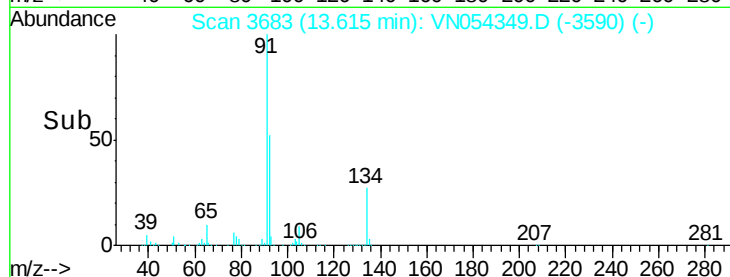
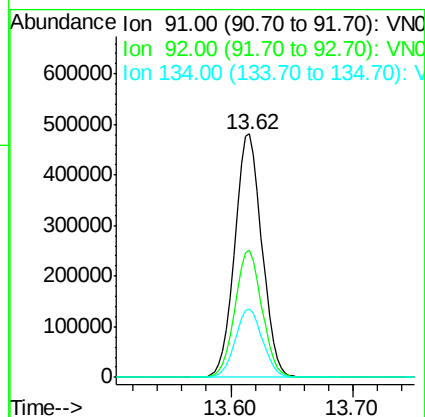
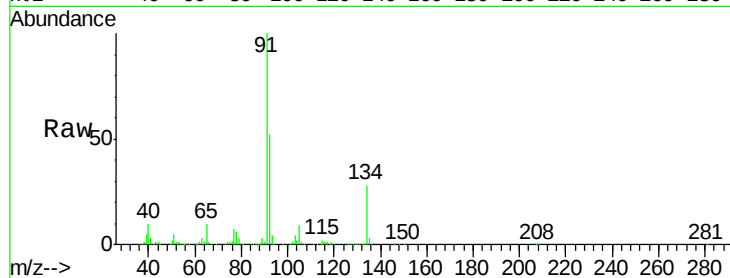
Tot Ion: 91 Resp: 743682

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

134 28.1 14.3 42.9



#90

Hexachloroethane

Concen: 16.951 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054349.D

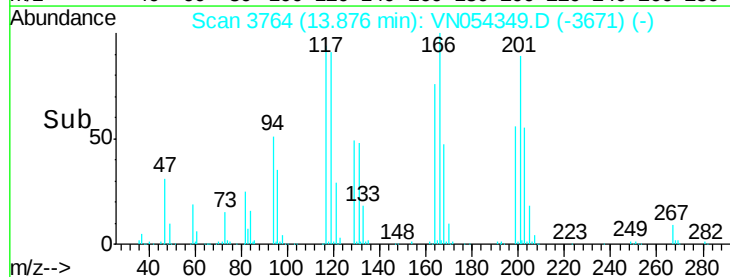
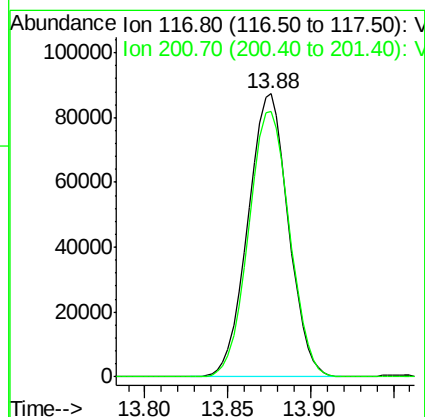
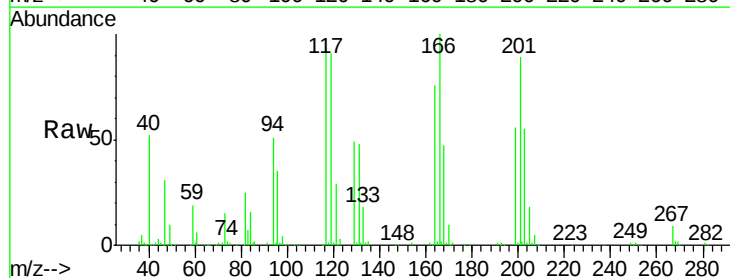
Acq: 16 Mar 2019 20:52

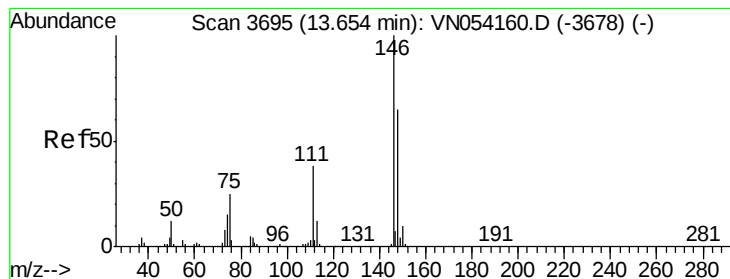
Tgt Ion: 117 Resp: 147994

Ion Ratio Lower Upper

117 100

201 94.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 21.861 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

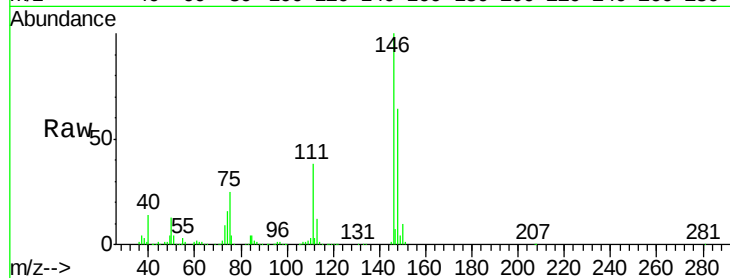
Tot Ion:146 Resp: 576804

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

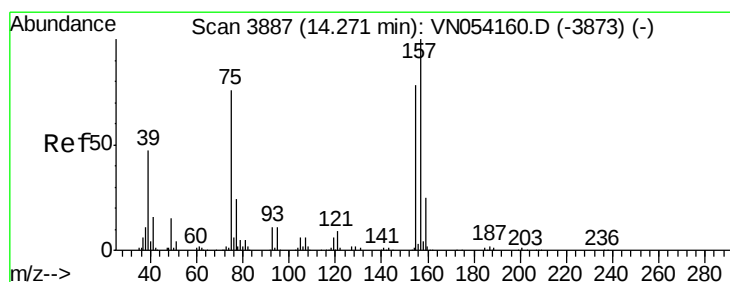
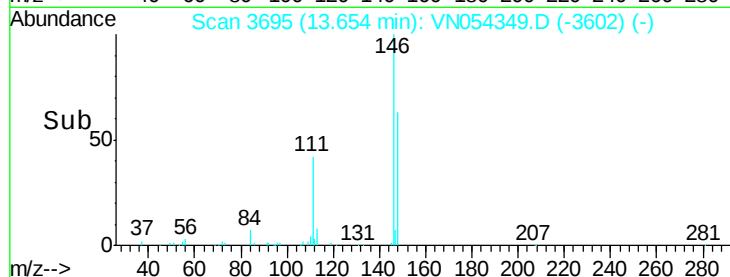
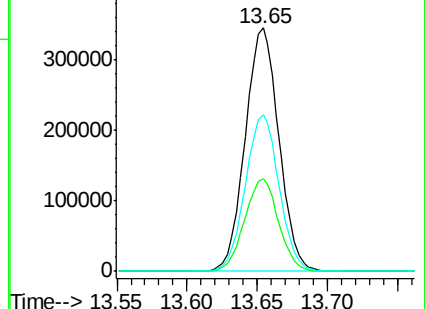
148 64.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.221 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

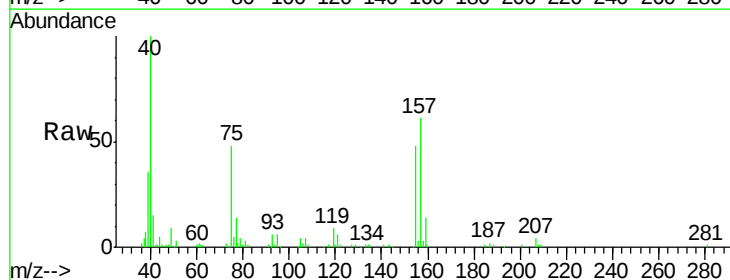
Tgt Ion: 75 Resp: 38359

Ion Ratio Lower Upper

75 100

155 98.9 50.1 150.3

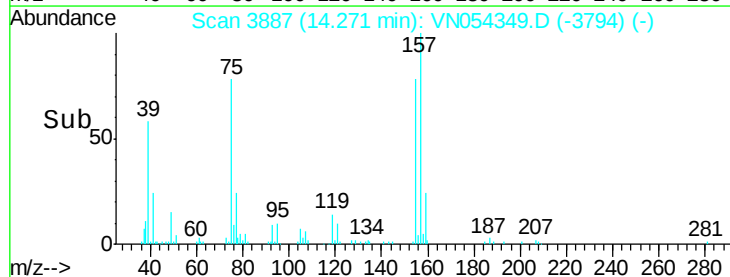
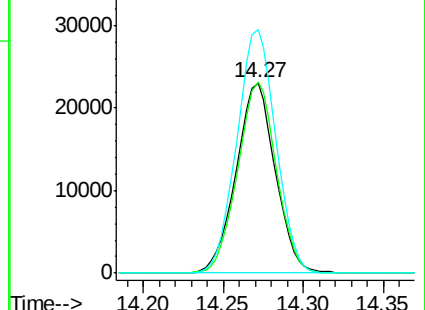
157 127.4 63.1 189.3

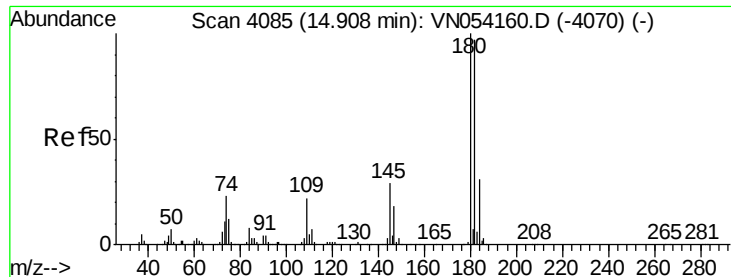


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.796 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

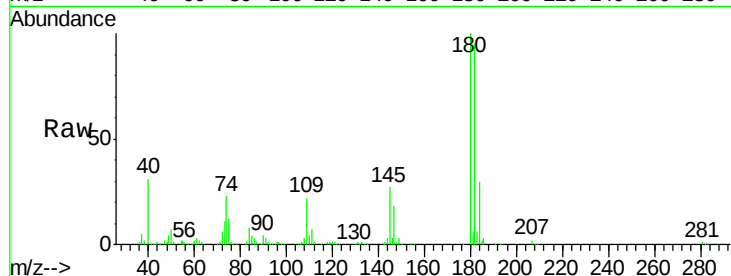
Tot Ion:180 Resp: 256292

Ion Ratio Lower Upper

180 100

182 94.1 48.0 144.2

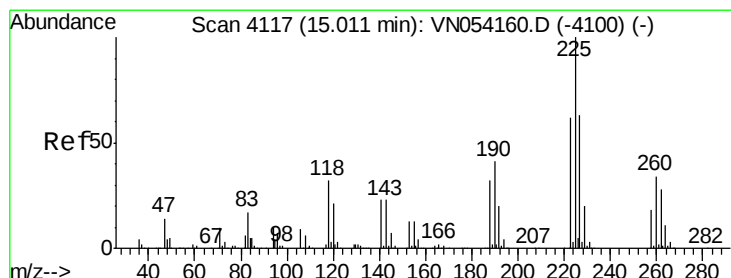
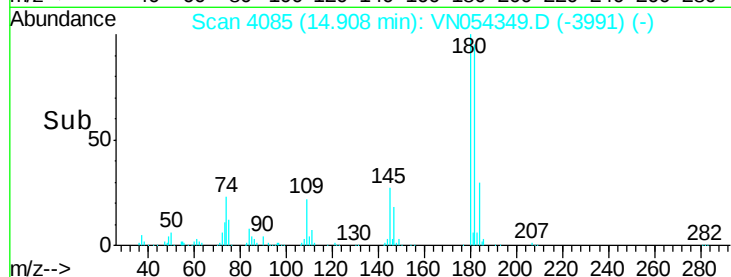
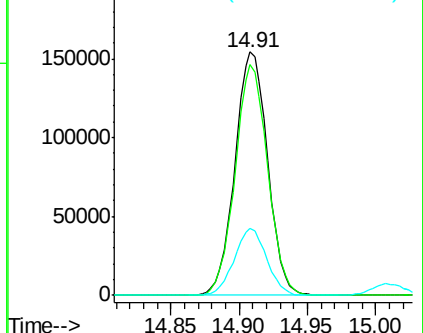
145 27.3 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 16.675 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

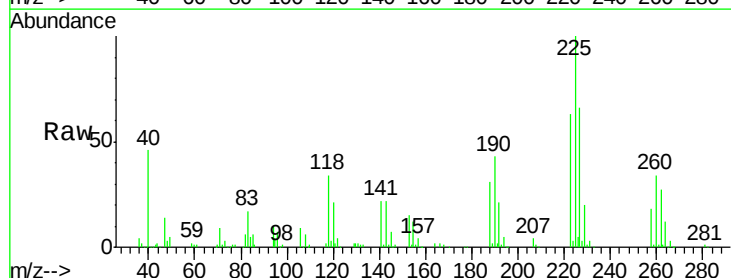
Tgt Ion:225 Resp: 167584

Ion Ratio Lower Upper

225 100

223 63.0 31.1 93.5

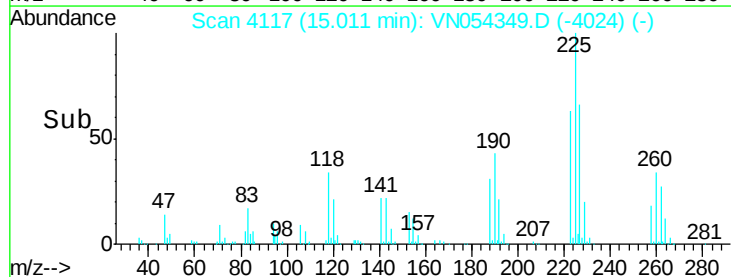
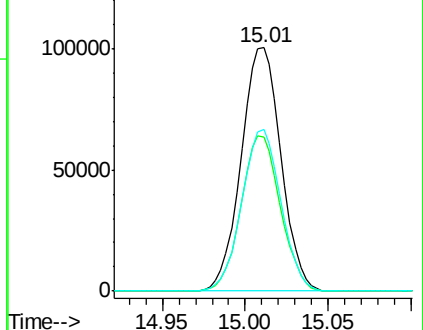
227 65.2 31.9 95.9

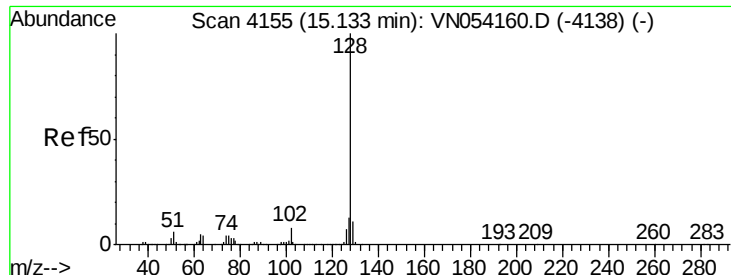


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.862 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBSD01

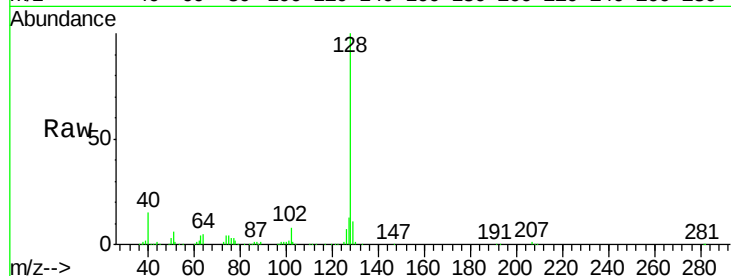
Tot Ion:128 Resp: 548872

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

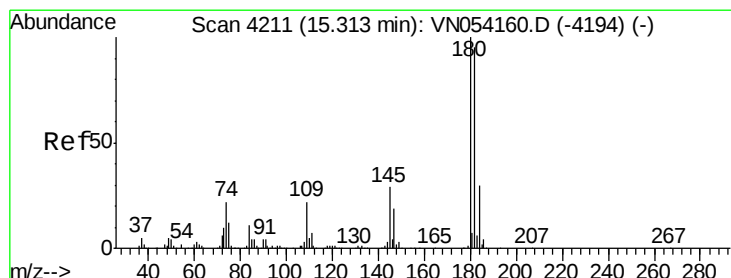
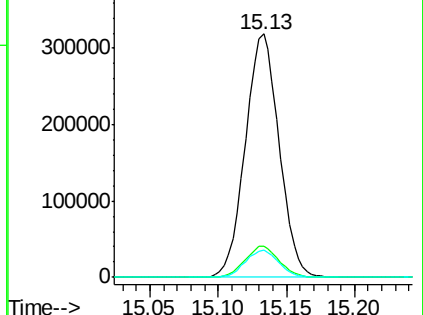
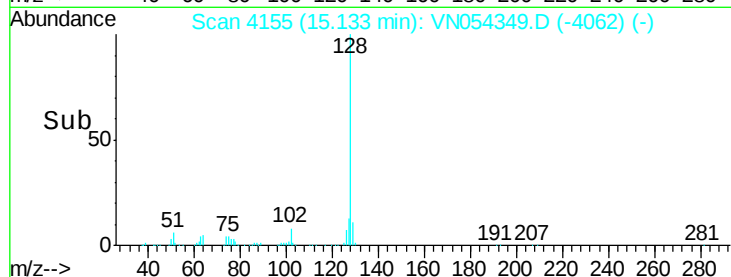
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.184 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054349.D

Acq: 16 Mar 2019 20:52

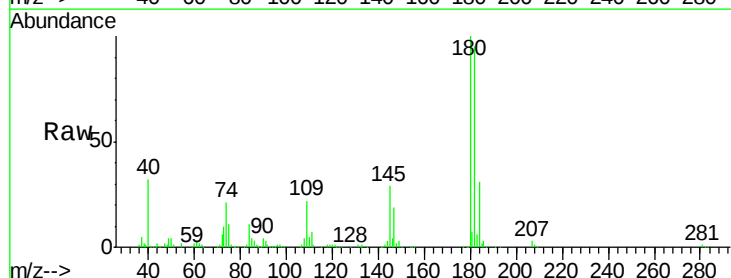
Tgt Ion:180 Resp: 268940

Ion Ratio Lower Upper

180 100

182 94.2 47.5 142.6

145 29.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

