

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054389.D
 Acq On : 18 Mar 2019 13:05
 Operator : JC/SP
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:10:19 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	1199542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1852036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1602024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687343	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	681891	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	7.59	113	633801	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.09	98	2264432	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	735066	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	236516	20.804	ug/l	98
3) Chloromethane	2.06	50	218933	19.825	ug/l	100
4) Vinyl Chloride	2.19	62	252672	20.018	ug/l	100
5) Bromomethane	2.57	94	146769	16.789	ug/l	99
6) Chloroethane	2.71	64	153220	20.063	ug/l	100
7) Trichlorofluoromethane	3.02	101	326310	19.445	ug/l	98
8) Diethyl Ether	3.41	74	168257	22.002	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	265776	21.135	ug/l	99
10) Methyl Iodide	3.94	142	322296	19.004	ug/l	100
11) Tert butyl alcohol	4.82	59	76736	87.866	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	260829	20.930	ug/l	99
13) Acrolein	3.61	56	66617	80.499	ug/l	97
14) Allyl chloride	4.32	41	320845	20.066	ug/l	98
15) Acrylonitrile	5.00	53	406191	113.228	ug/l	99
16) Acetone	3.82	43	296203	81.207	ug/l	97
17) Carbon Disulfide	4.04	76	513836	16.448	ug/l	99
18) Methyl Acetate	4.33	43	192062	26.026	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	675784	21.878	ug/l	99
20) Methylene Chloride	4.55	84	259411	21.660	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	247335	20.715	ug/l	99
22) Diisopropyl ether	5.96	45	697063	21.844	ug/l	98
23) Vinyl Acetate	5.90	43	2406598	102.285	ug/l	100
24) 1,1-Dichloroethane	5.85	63	445594	21.747	ug/l	99
25) 2-Butanone	6.85	43	459493	107.331	ug/l	98
26) 2,2-Dichloropropane	6.82	77	304623	16.906	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	294080	22.077	ug/l	97
28) Bromochloromethane	7.19	49	182072	21.736	ug/l	98
29) Tetrahydrofuran	7.22	42	294881	107.129	ug/l	98
30) Chloroform	7.37	83	474650	22.200	ug/l	99
31) Cyclohexane	7.65	56	399042	20.097	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	398301	20.627	ug/l	99
36) 1,1-Dichloropropene	7.79	75	337187	19.770	ug/l	100
37) Ethyl Acetate	6.94	43	203848	20.801	ug/l	99
38) Carbon Tetrachloride	7.77	117	342367	19.142	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054389.D
 Acq On : 18 Mar 2019 13:05
 Operator : JC/SP
 Sample : VN0318WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:10:19 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)
39) Methylcyclohexane	9.08	83	381519	18.181	ug/l	99
40) Benzene	8.04	78	1032644	21.158	ug/l	100
41) Methacrylonitrile	7.17	41	110361	19.723	ug/l	93
42) 1,2-Dichloroethane	8.13	62	349064	21.184	ug/l	100
43) Isopropyl Acetate	8.17	43	331514	19.272	ug/l	98
44) Trichloroethene	8.83	130	312022	20.580	ug/l	96
45) 1,2-Dichloropropane	9.12	63	262429	21.654	ug/l	98
46) Dibromomethane	9.21	93	170771	20.855	ug/l	100
47) Bromodichloromethane	9.40	83	337938	20.586	ug/l	97
48) Methyl methacrylate	9.20	41	181400	20.780	ug/l	98
49) 1,4-Dioxane	9.20	88	43370	351.235	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	974494	107.049	ug/l	99
52) Toluene	10.16	92	652189	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	294303	17.038	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	364550	19.057	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	247966	21.944	ug/l	98
56) Ethyl methacrylate	10.43	69	285453	21.186	ug/l	95
57) 1,3-Dichloropropane	10.71	76	394502	21.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	527795	101.043	ug/l	99
59) 2-Hexanone	10.75	43	593768	98.026	ug/l	98
60) Dibromochloromethane	10.90	129	246195	19.357	ug/l	100
61) 1,2-Dibromoethane	11.01	107	245665	21.394	ug/l	100
64) Tetrachloroethene	10.63	164	307828	19.874	ug/l	99
65) Chlorobenzene	11.43	112	747570	21.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264725	20.716	ug/l	97
67) Ethyl Benzene	11.51	91	1212118	20.787	ug/l	100
68) m/p-Xylenes	11.62	106	954809	41.895	ug/l	100
69) o-Xylene	11.95	106	479349	21.576	ug/l	97
70) Styrene	11.96	104	719369	20.646	ug/l	99
71) Bromoform	12.13	173	155849	17.598	ug/l #	100
73) Isopropylbenzene	12.25	105	1226767	22.308	ug/l	99
74) N-amyl acetate	12.07	43	257891	21.128	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	280972	23.981	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	315157	31.180	ug/l #	100
77) Bromobenzene	12.53	156	350082	24.058	ug/l	90
78) n-propylbenzene	12.59	91	1294095	21.688	ug/l	100
79) 2-Chlorotoluene	12.67	91	803153	22.386	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	983706	21.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42601	14.408	ug/l #	81
82) 4-Chlorotoluene	12.77	91	775786	21.655	ug/l	99
83) tert-Butylbenzene	12.99	119	902057	21.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	994189	22.155	ug/l	99
85) sec-Butylbenzene	13.17	105	1110795	20.344	ug/l	99
86) p-Isopropyltoluene	13.29	119	946903	19.768	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	525853	21.446	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	503715	20.912	ug/l	99
89) n-Butylbenzene	13.61	91	657641	18.069	ug/l	100
90) Hexachloroethane	13.87	117	143584	18.102	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	533875	22.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37089	20.457	ug/l	100

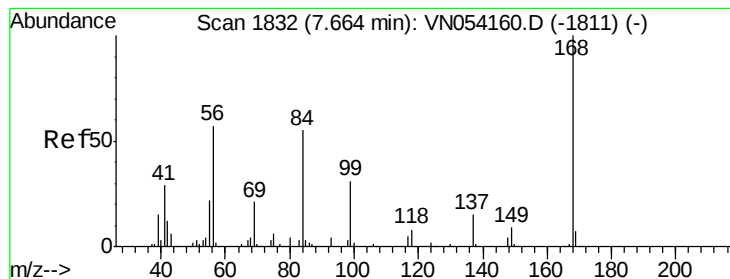
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054389.D
Acq On : 18 Mar 2019 13:05
Operator : JC/SP
Sample : VN0318WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 19 05:10:19 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)
93) 1,2,4-Trichlorobenzene	14.91	180	222703	17.131	ug/l	100
94) Hexachlorobutadiene	15.01	225	150890	16.526	ug/l	99
95) Naphthalene	15.13	128	509715	19.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	232618	18.264	ug/l	98

(#) = 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: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

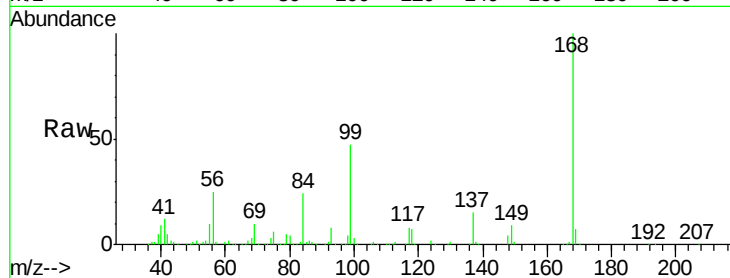
ClientSampleId :

Tot Ion:168 Resp: 1199542

Ion Ratio Lower Upper

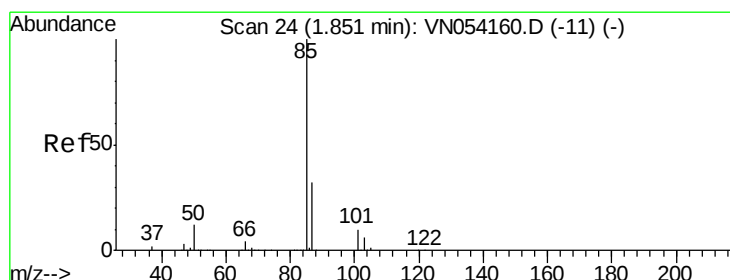
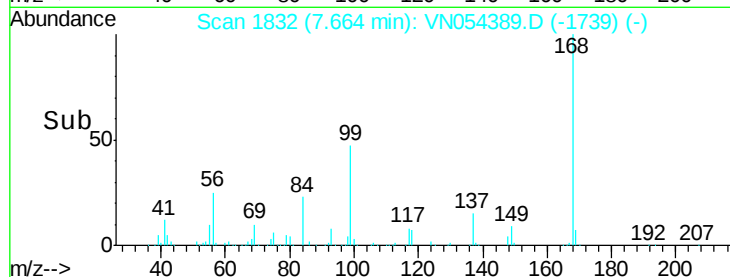
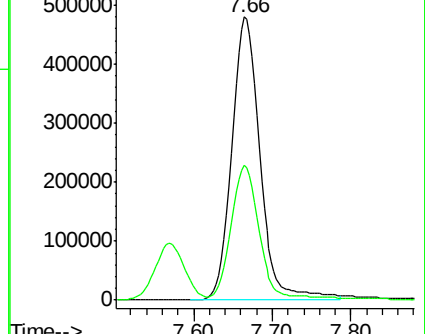
168 100

99 46.6 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: 20.804 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054389.D

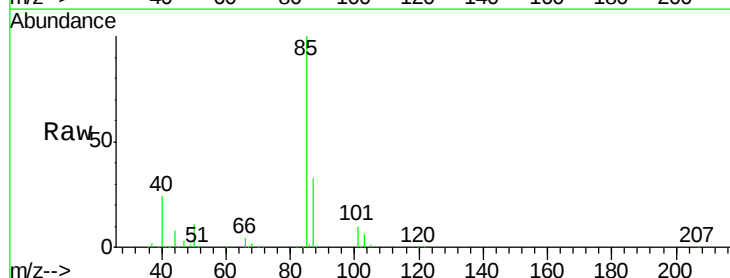
Acq: 18 Mar 2019 13:05

Tgt Ion: 85 Resp: 236516

Ion Ratio Lower Upper

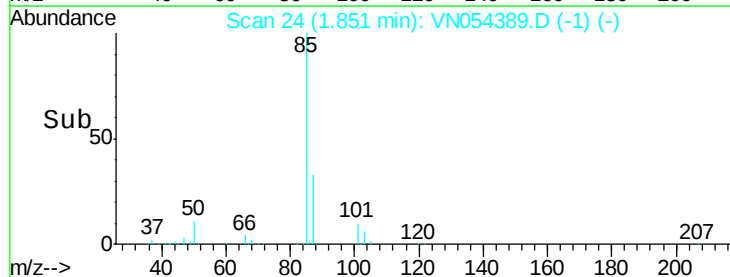
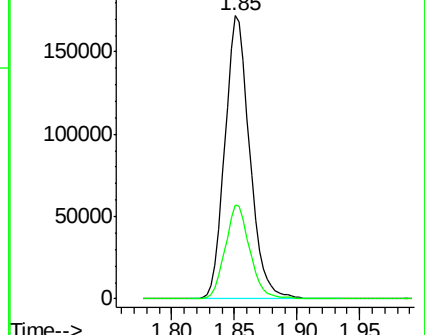
85 100

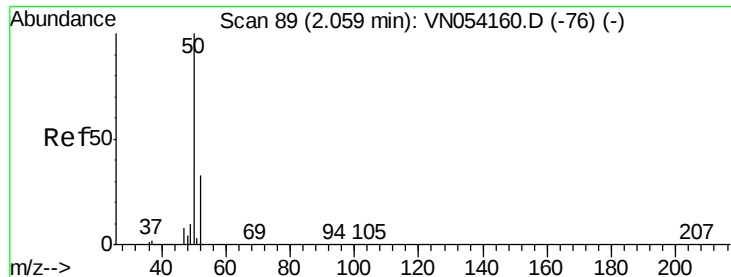
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.825 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

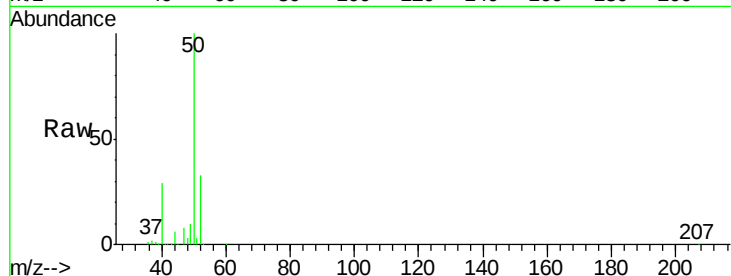
ClientSampled :

Tot Ion: 50 Resp: 218933

Ion Ratio Lower Upper

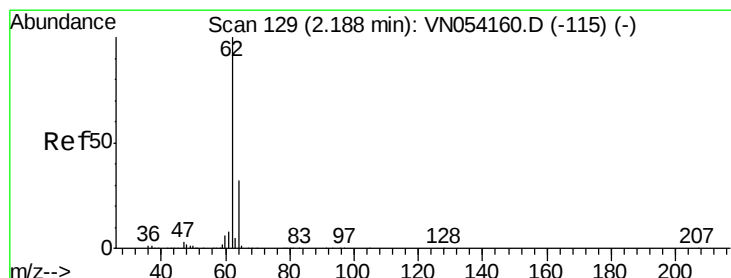
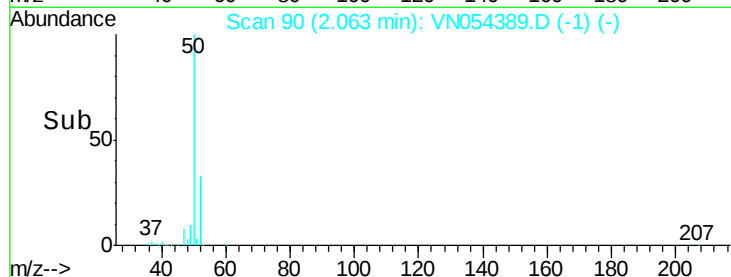
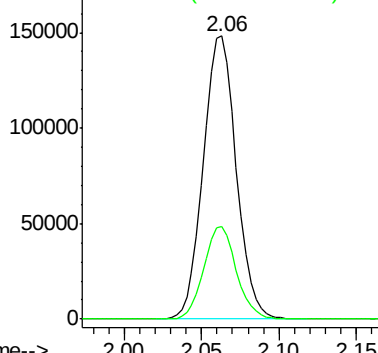
50 100

52 32.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.018 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054389.D

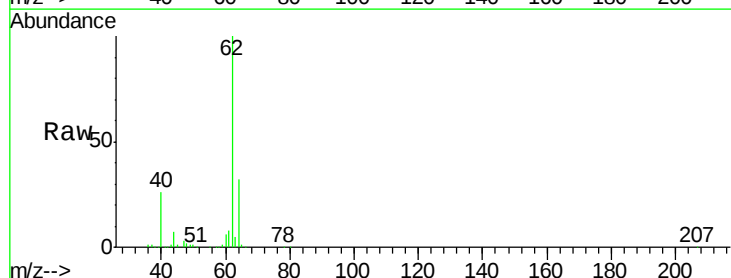
Acq: 18 Mar 2019 13:05

Tgt Ion: 62 Resp: 252672

Ion Ratio Lower Upper

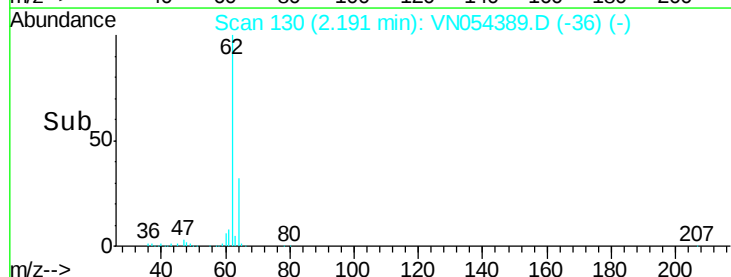
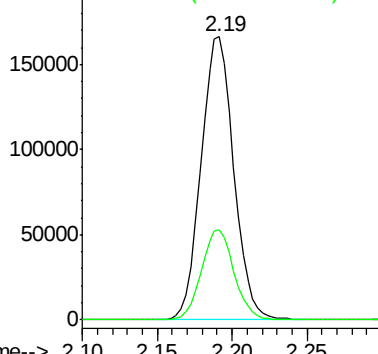
62 100

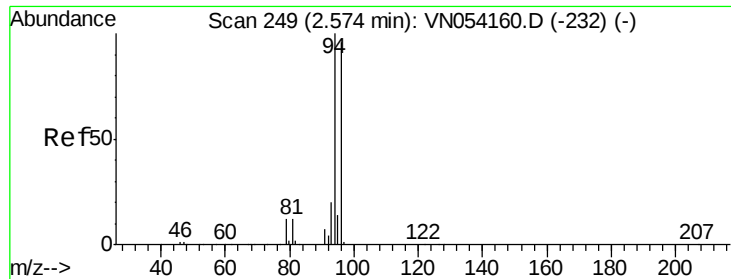
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.789 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

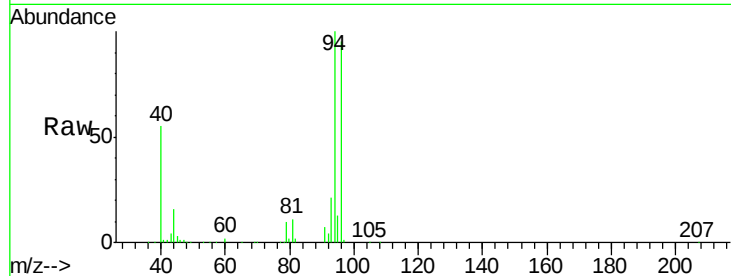
ClientSampled :

Tot Ion: 94 Resp: 146769

Ion Ratio Lower Upper

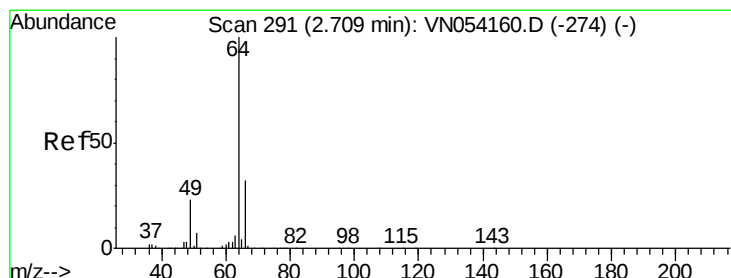
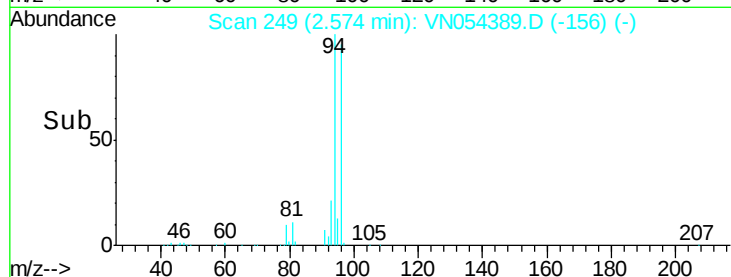
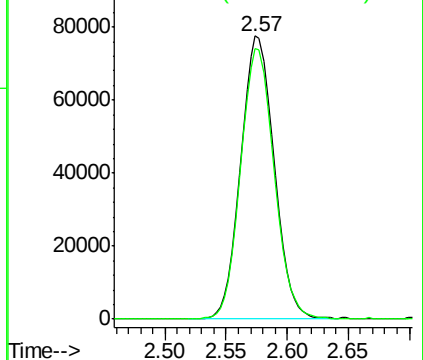
94 100

96 95.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.063 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054389.D

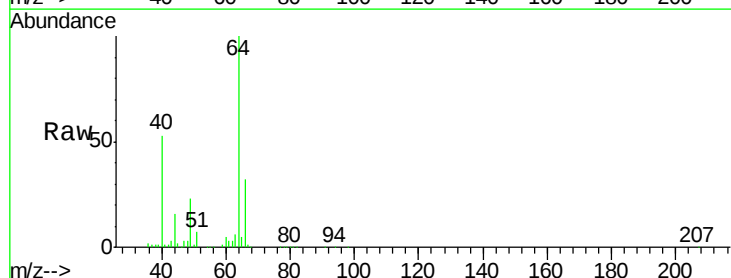
Acq: 18 Mar 2019 13:05

Tgt Ion: 64 Resp: 153220

Ion Ratio Lower Upper

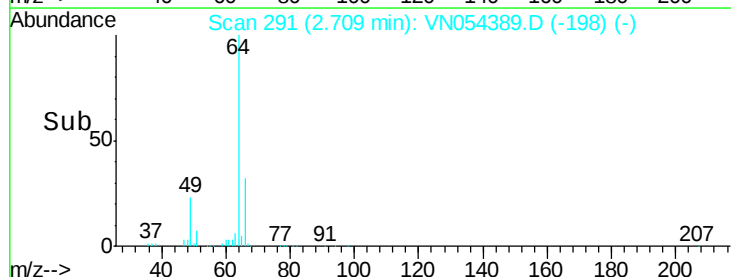
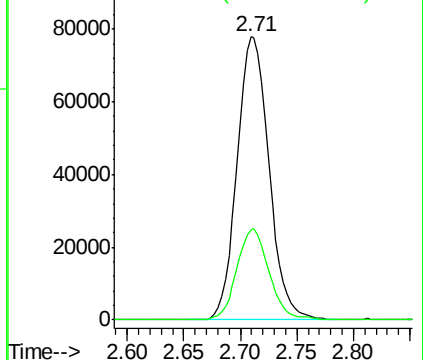
64 100

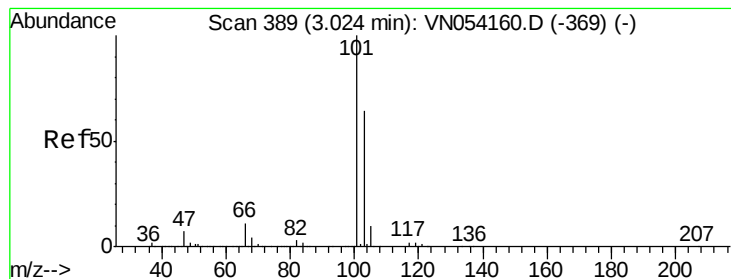
66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



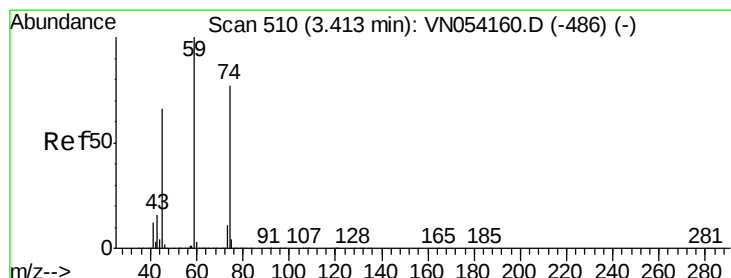
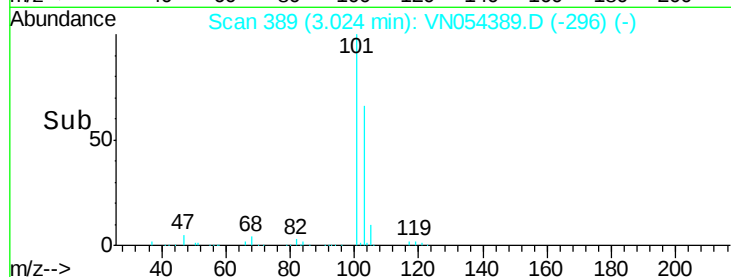
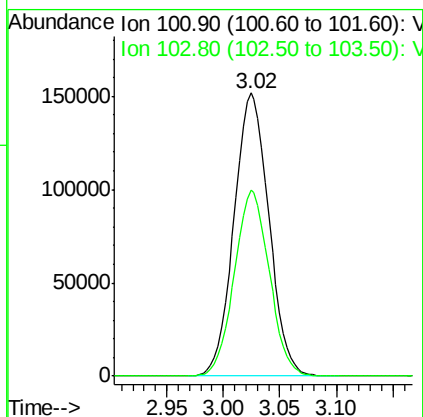
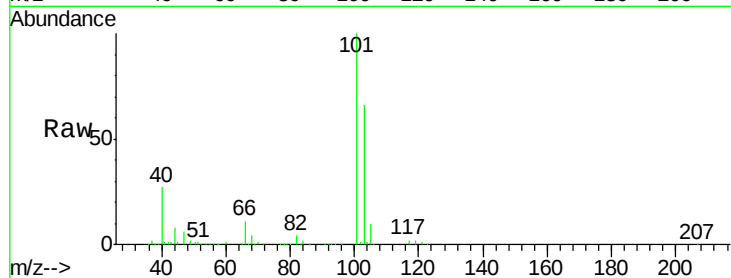


#7

Trichlorofluoromethane
 Concen: 19.445 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :

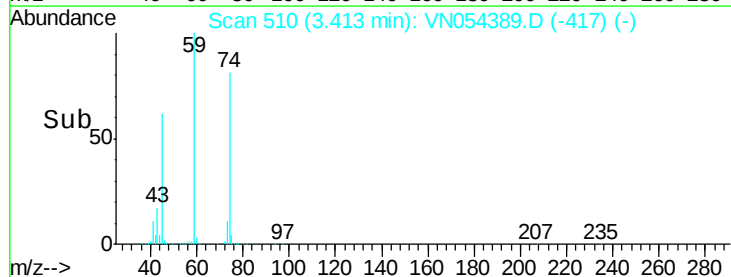
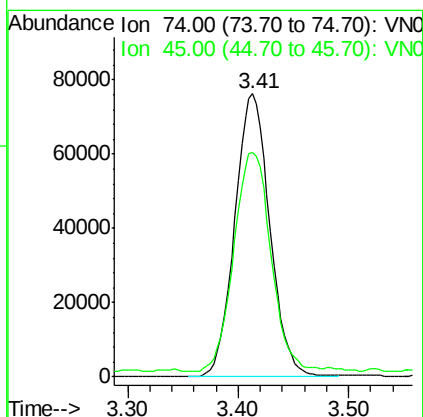
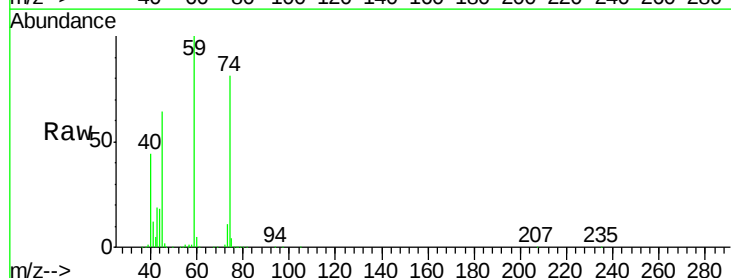
Tot Ion:101 Resp: 326310
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.2

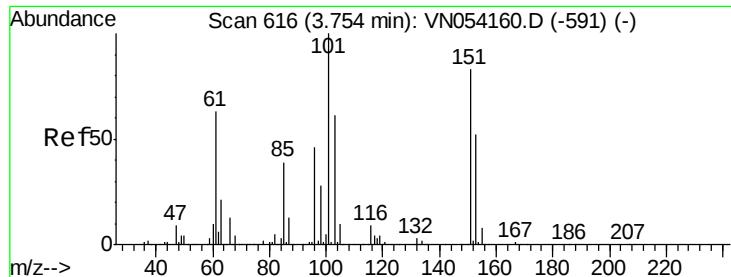


#8

Diethyl Ether
 Concen: 22.002 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 74 Resp: 168257
 Ion Ratio Lower Upper
 74 100
 45 81.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.135 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

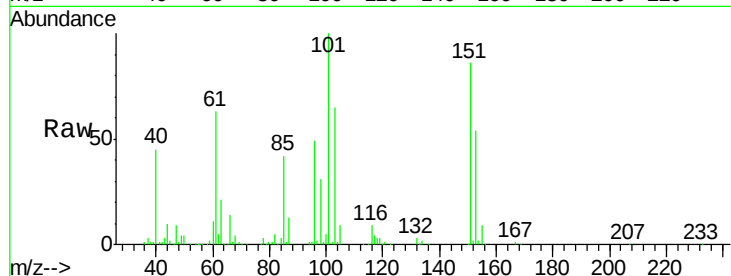
Tot Ion:101 Resp: 265776

Ion Ratio Lower Upper

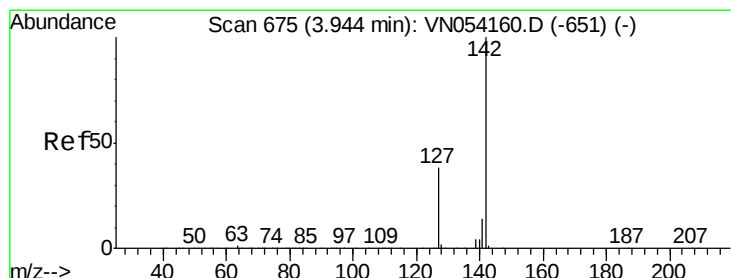
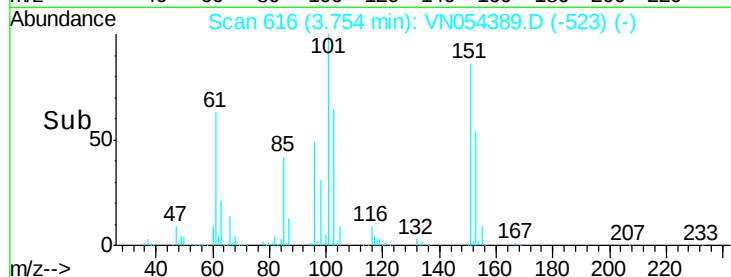
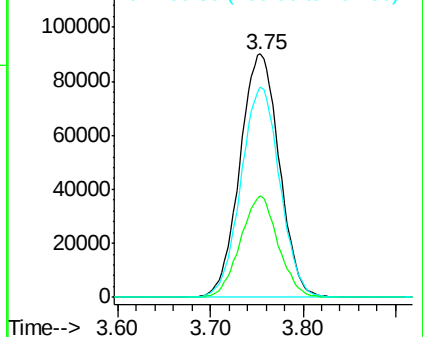
101 100

85 39.9 32.4 48.6

151 85.5 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: 19.004 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

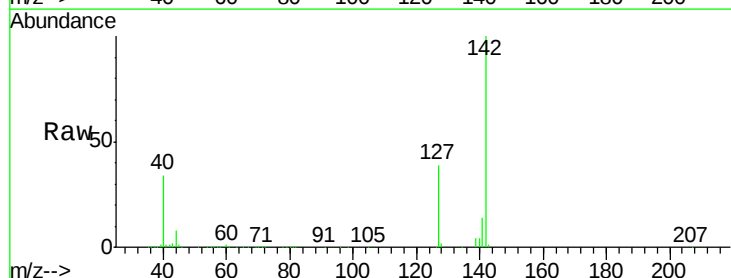
Tgt Ion:142 Resp: 322296

Ion Ratio Lower Upper

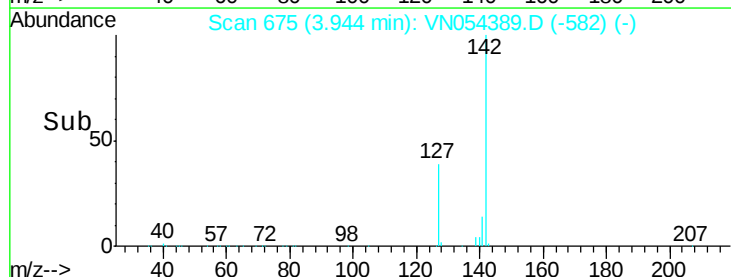
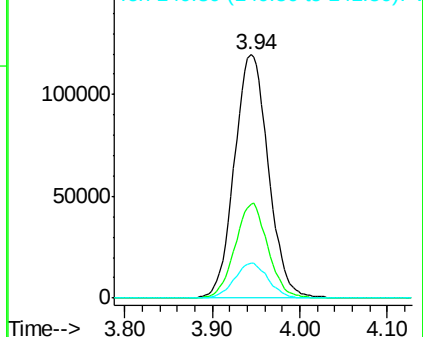
142 100

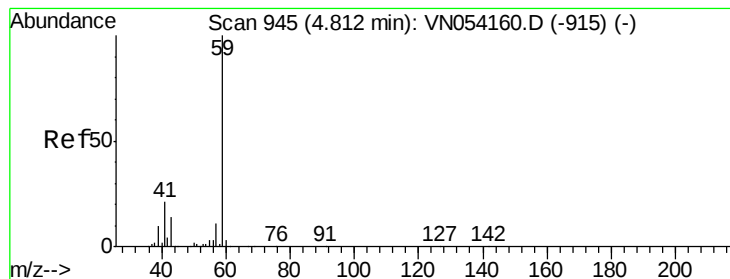
127 37.8 30.3 45.5

141 14.3 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



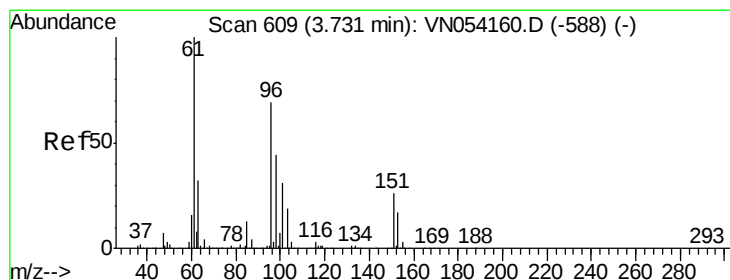
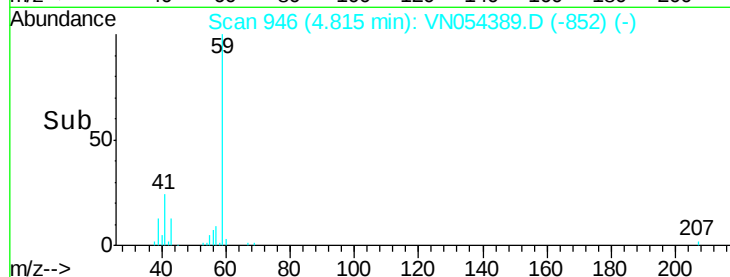
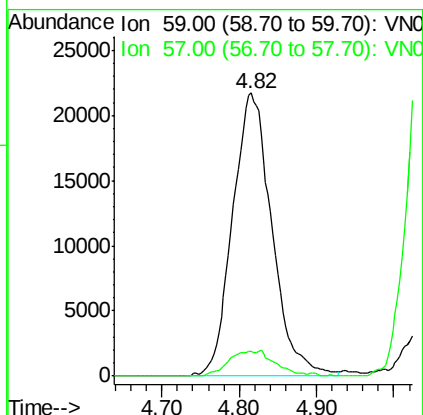
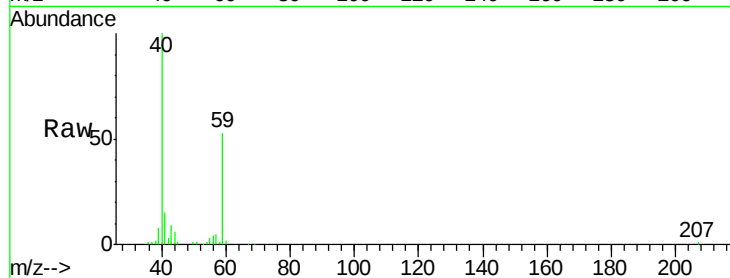


#11

Tert butyl alcohol
Concen: 87.866 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :

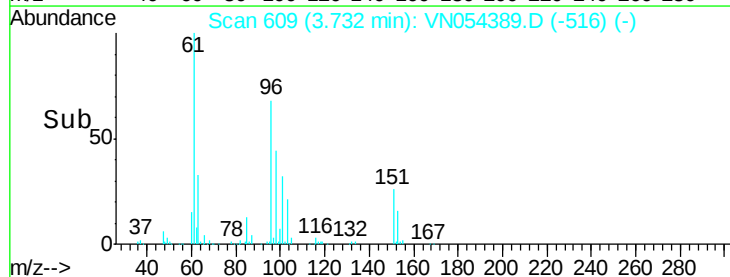
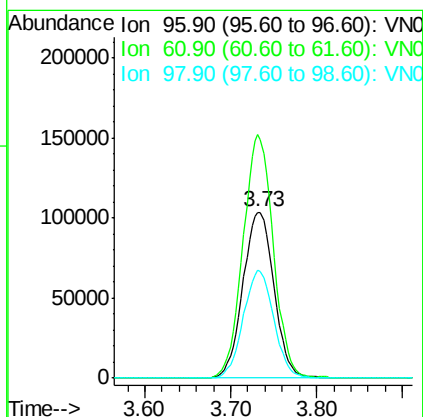
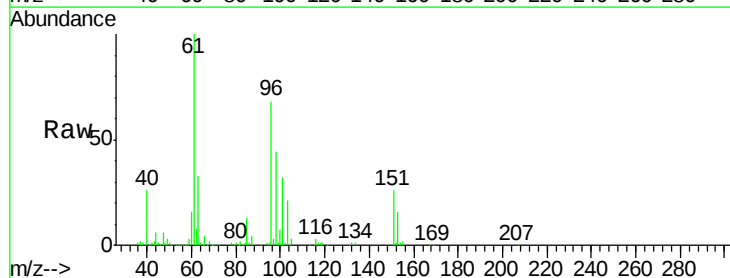
Tot Ion: 59 Resp: 76736
Ion Ratio Lower Upper
59 100
57 6.1 9.0 13.6#

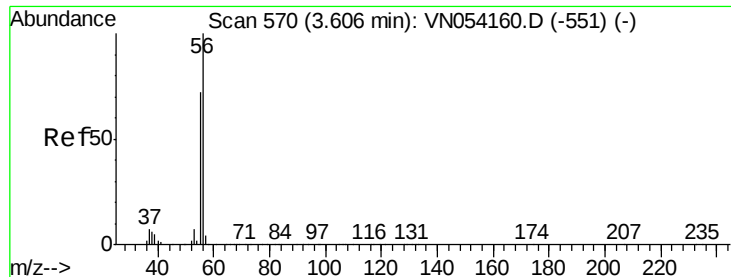


#12

1,1-Dichloroethene
Concen: 20.930 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 96 Resp: 260829
Ion Ratio Lower Upper
96 100
61 146.5 116.5 174.7
98 64.7 51.0 76.4





#13

Acrolein

Concen: 80.499 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

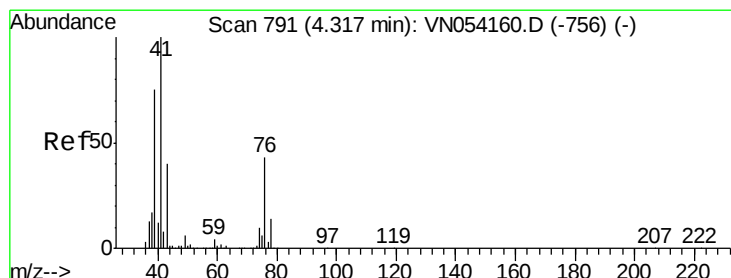
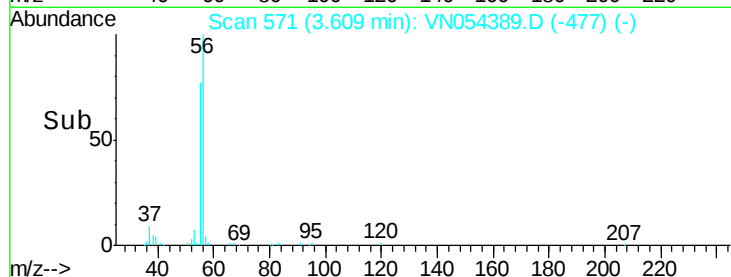
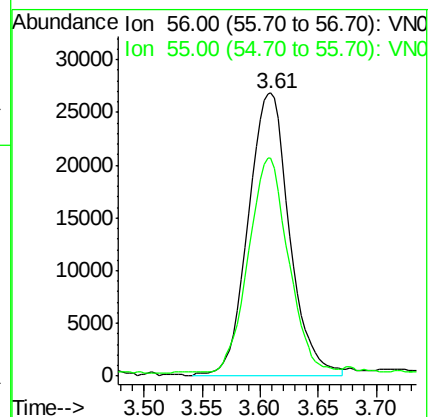
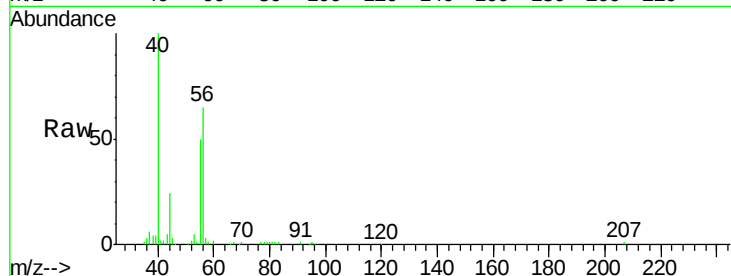
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 66617

Ion Ratio Lower Upper

56 100

55 73.1 56.7 85.1



#14

Allyl chloride

Concen: 20.066 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

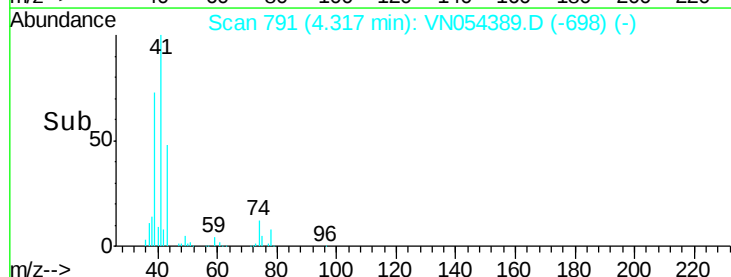
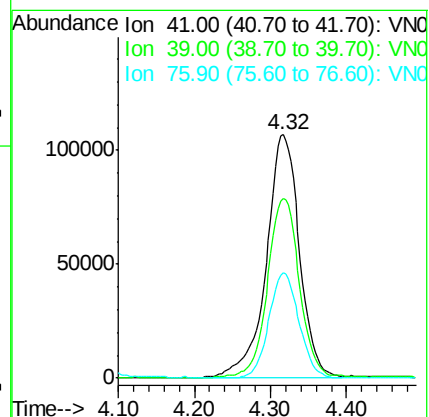
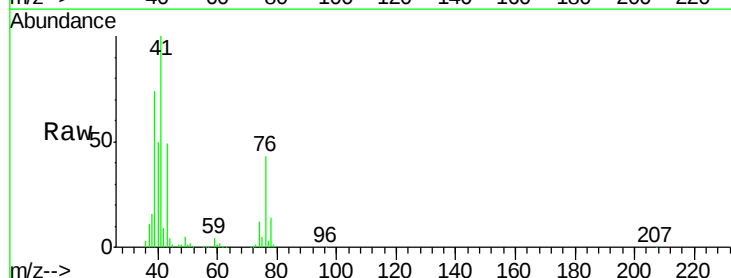
Tgt Ion: 41 Resp: 320845

Ion Ratio Lower Upper

41 100

39 70.9 58.2 87.4

76 39.0 31.7 47.5





#15

Acrylonitrile

Concen: 113.228 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

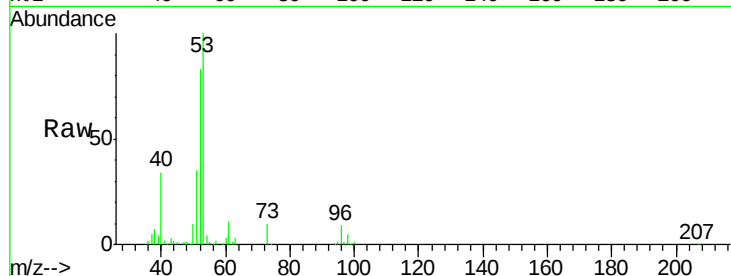
Tot Ion: 53 Resp: 406191

Ion Ratio Lower Upper

53 100

52 82.5 66.4 99.6

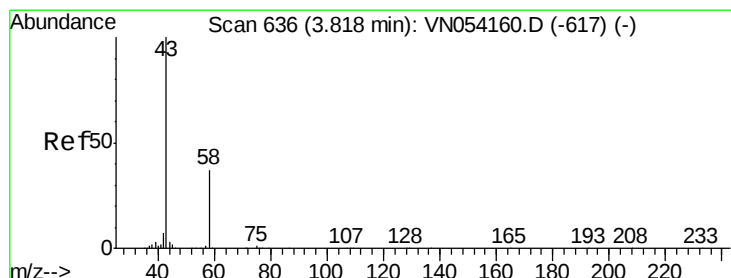
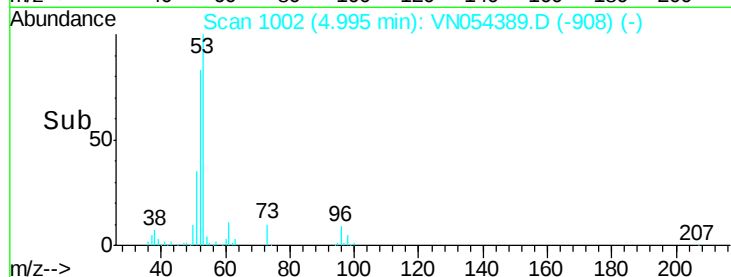
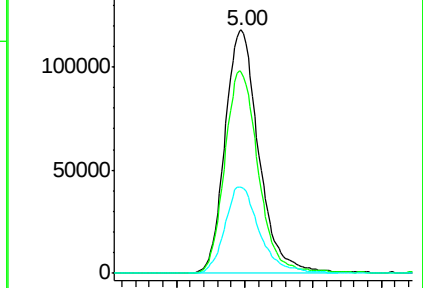
51 36.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054389.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054389.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054389.D (-973) (-)



#16

Acetone

Concen: 81.207 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054389.D

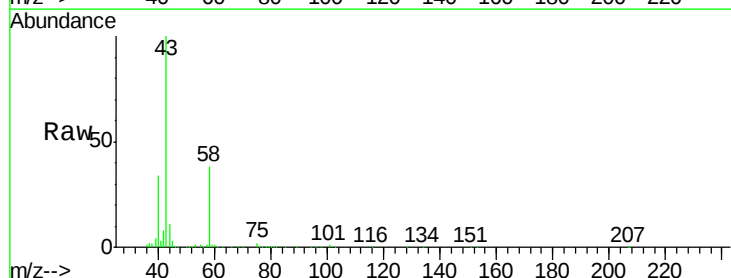
Acq: 18 Mar 2019 13:05

Tgt Ion: 43 Resp: 296203

Ion Ratio Lower Upper

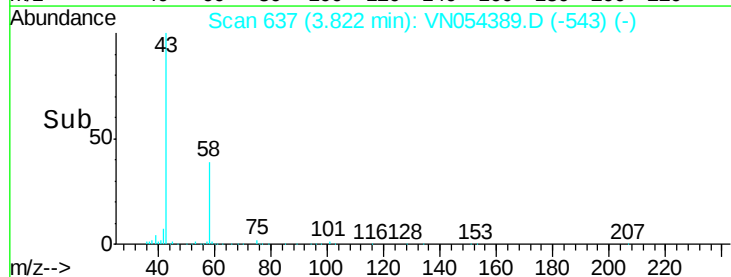
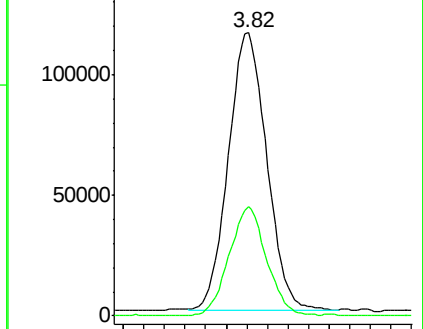
43 100

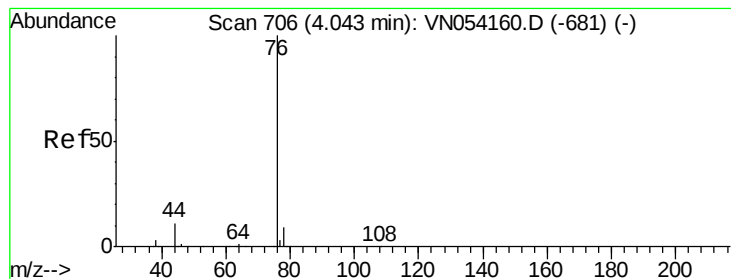
58 39.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054389.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054389.D (-543) (-)





#17

Carbon Disulfide

Concen: 16.448 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

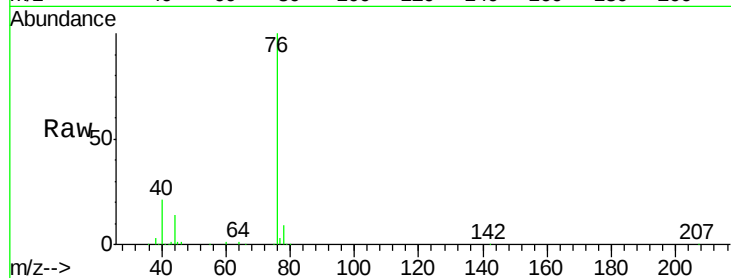
ClientSampled :

Tot Ion: 76 Resp: 513836

Ion Ratio Lower Upper

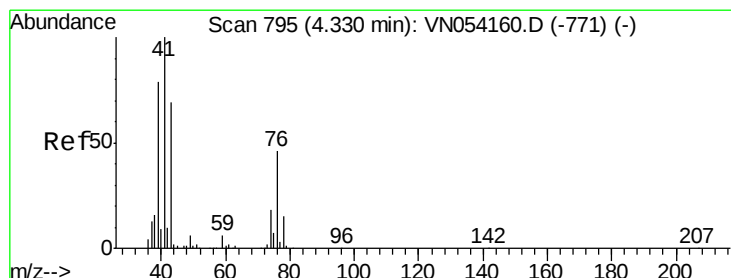
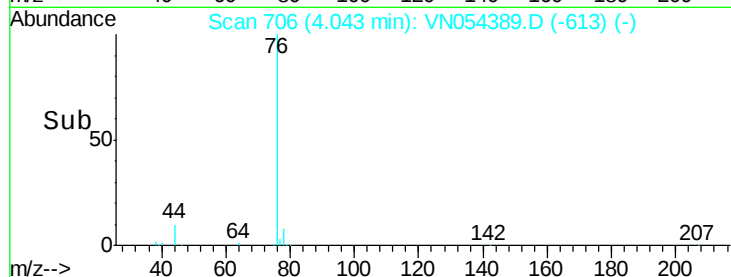
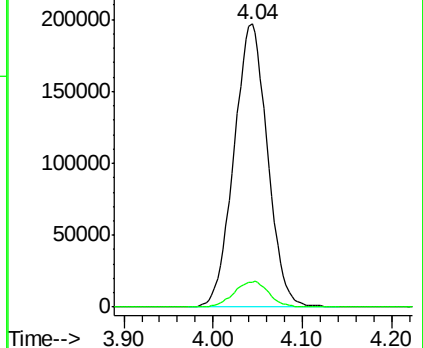
76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.026 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054389.D

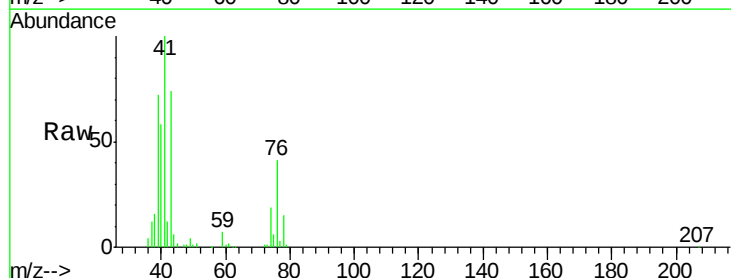
Acq: 18 Mar 2019 13:05

Tgt Ion: 43 Resp: 192062

Ion Ratio Lower Upper

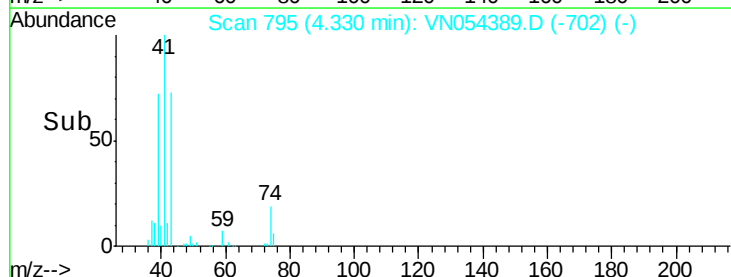
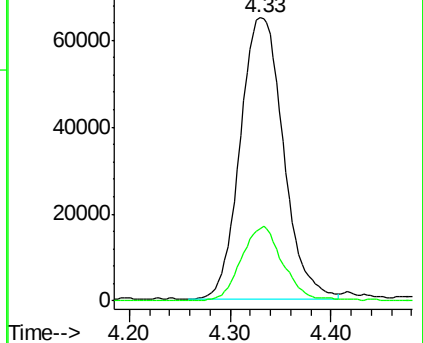
43 100

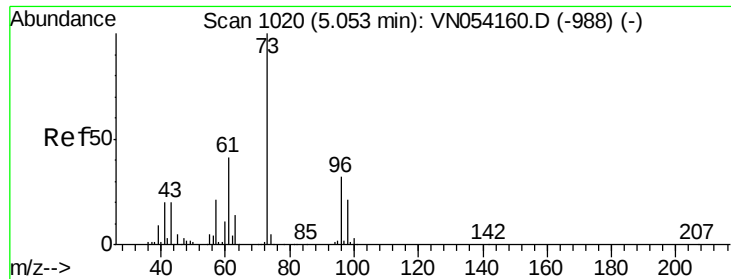
74 25.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

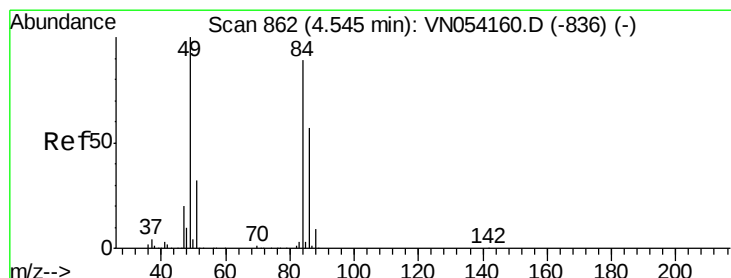
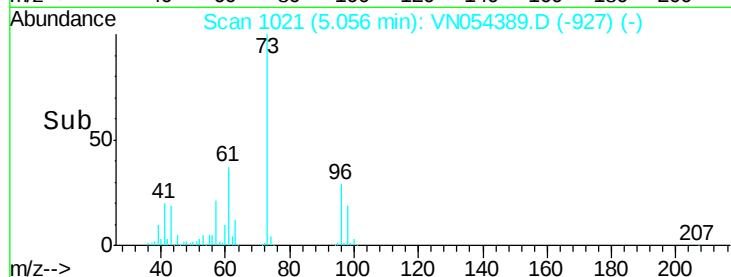
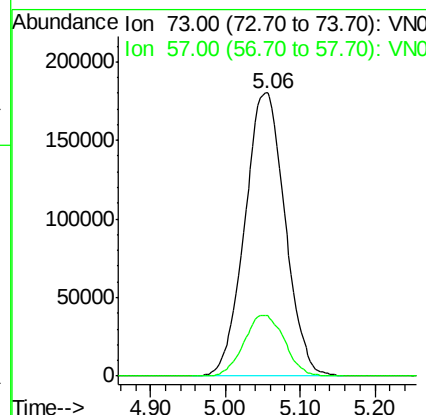
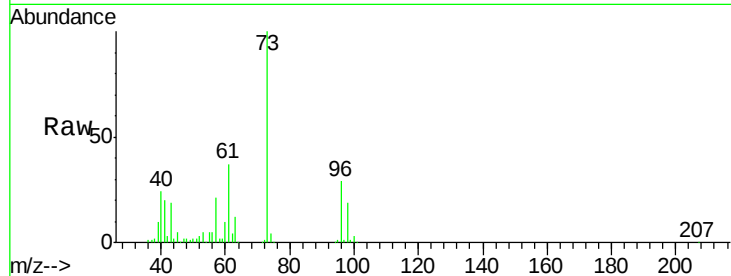




#19
Methvl tert-butvl Ether
Concen: 21.878 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

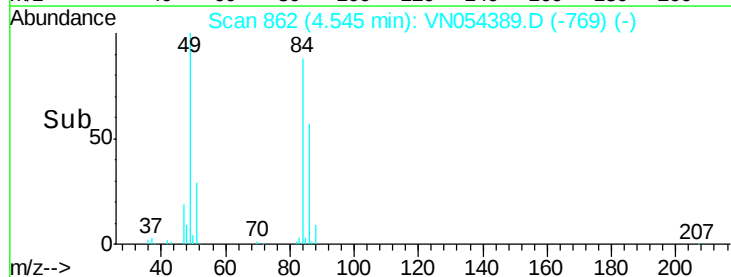
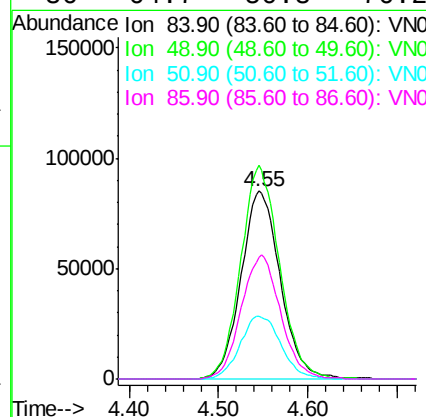
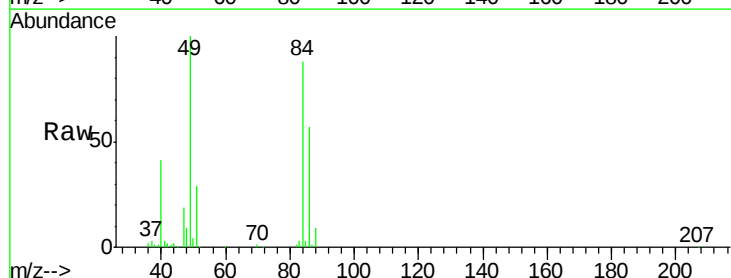
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 675784
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.660 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 84 Resp: 259411
Ion Ratio Lower Upper
84 100
49 113.7 89.7 134.5
51 33.5 28.2 42.4
86 64.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.715 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

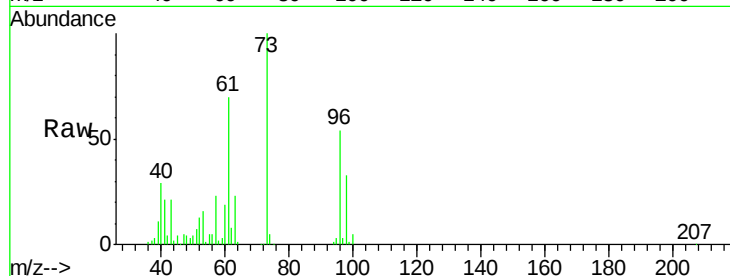
Tot Ion: 96 Resp: 247335

Ion Ratio Lower Upper

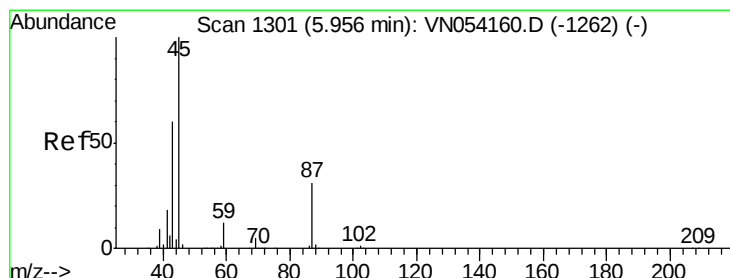
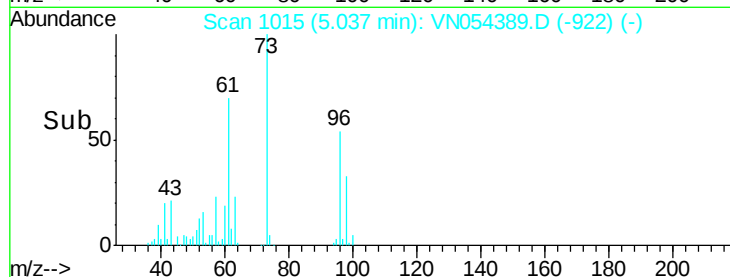
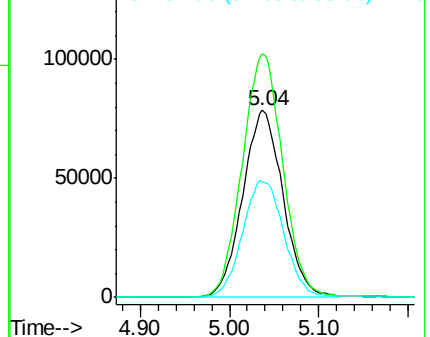
96 100

61 130.4 102.8 154.2

98 62.0 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: 21.844 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion: 45 Resp: 697063

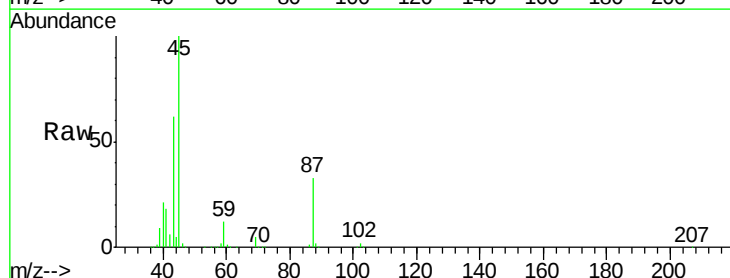
Ion Ratio Lower Upper

45 100

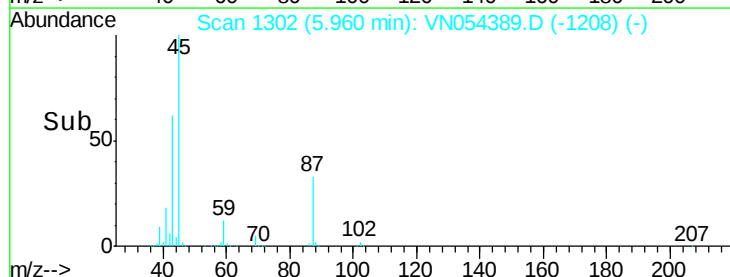
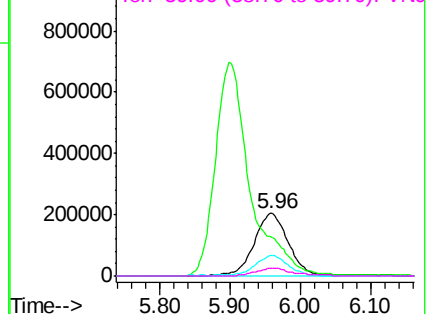
43 59.2 48.2 72.2

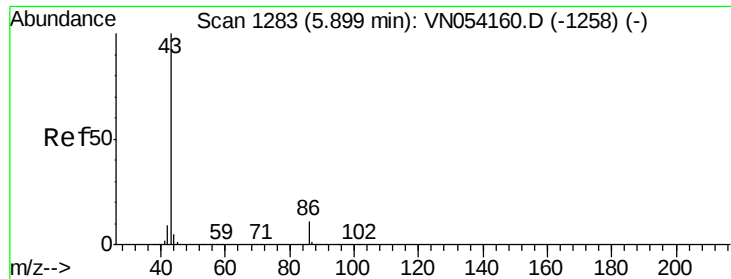
87 32.3 24.9 37.3

59 12.0 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: 102.285 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

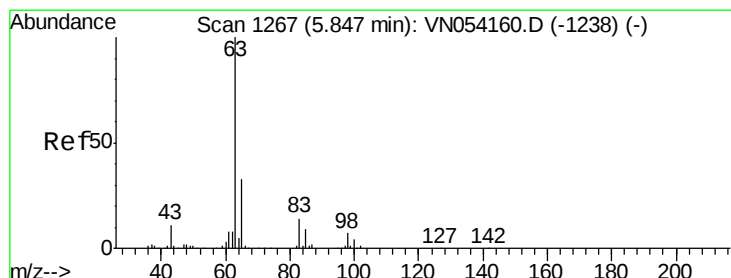
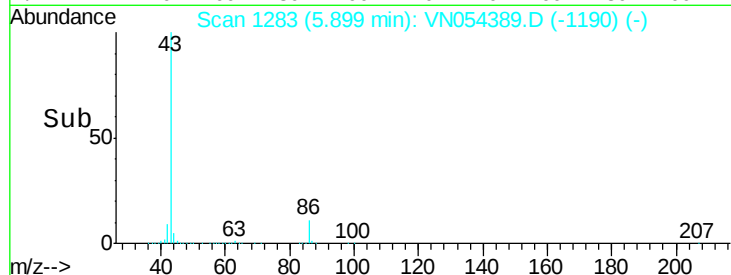
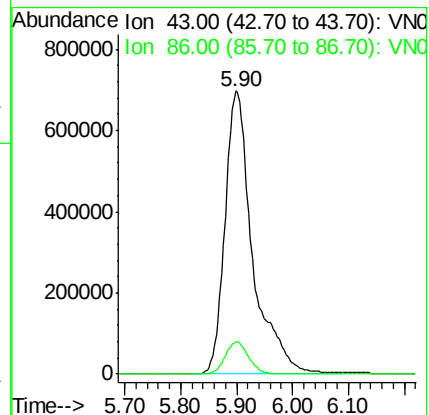
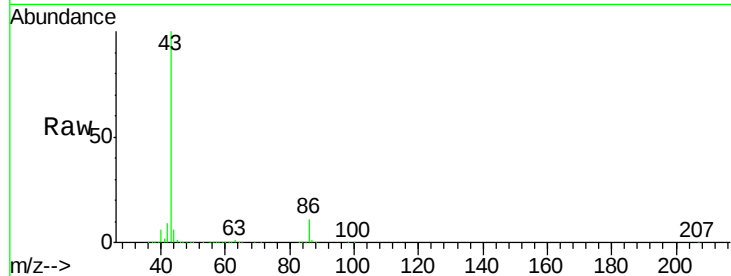
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2406598

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



#24

1,1-Dichloroethane

Concen: 21.747 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

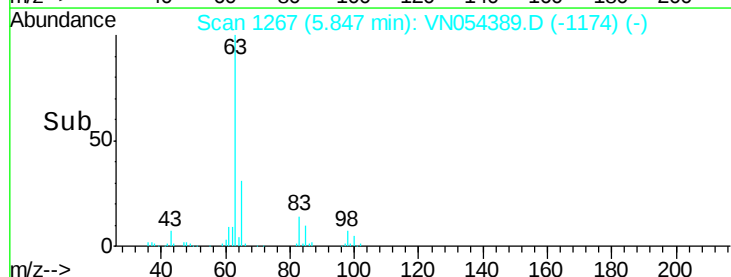
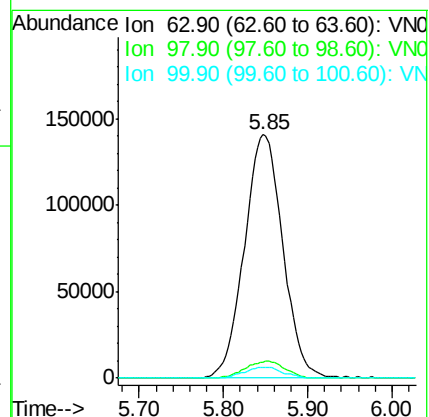
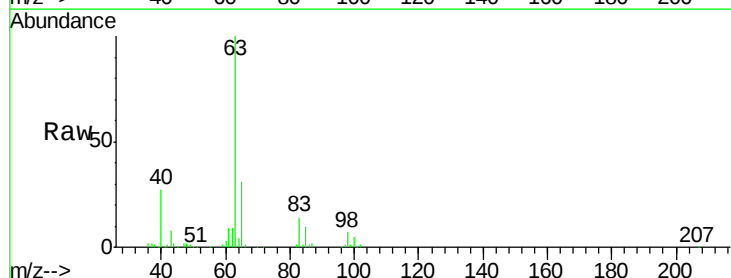
Tgt Ion: 63 Resp: 445594

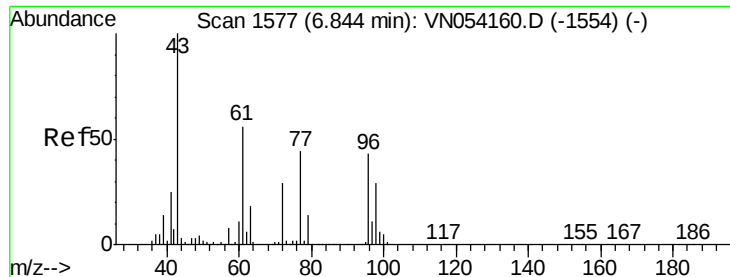
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 107.331 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

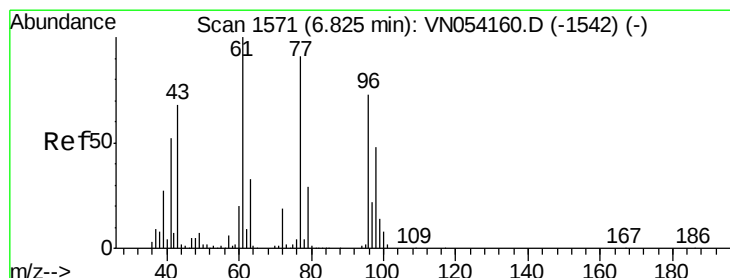
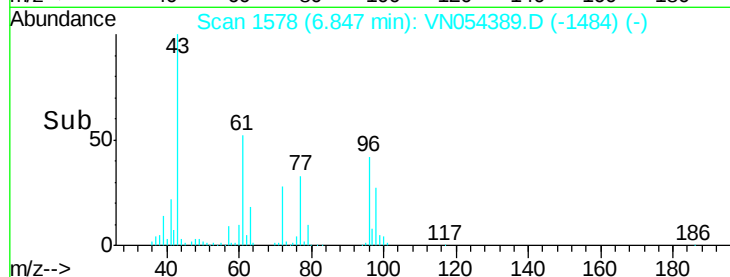
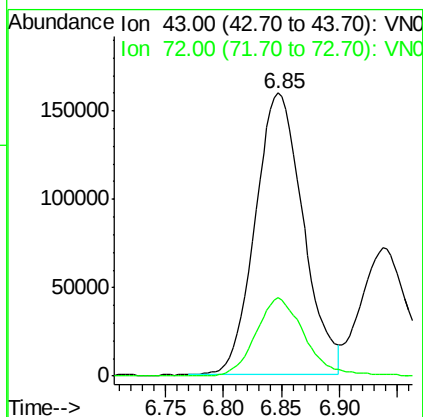
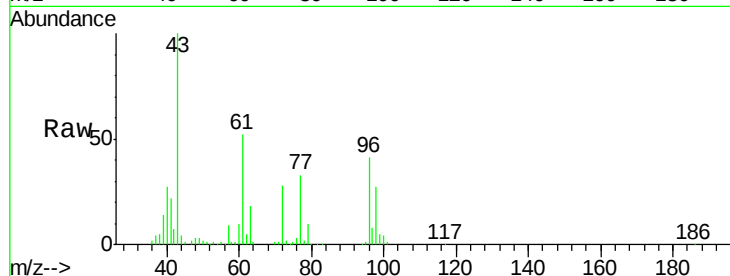
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 459493

Ion Ratio Lower Upper

43 100

72 27.9 23.0 34.6



#26

2,2-Dichloropropane

Concen: 16.906 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054389.D

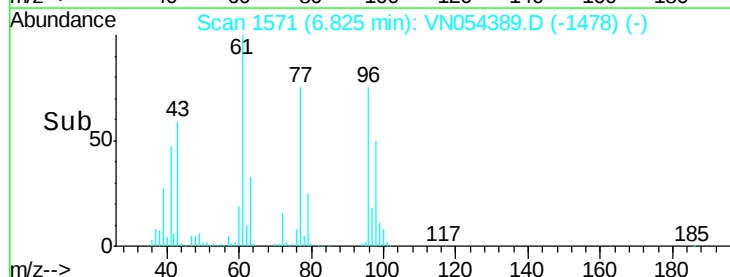
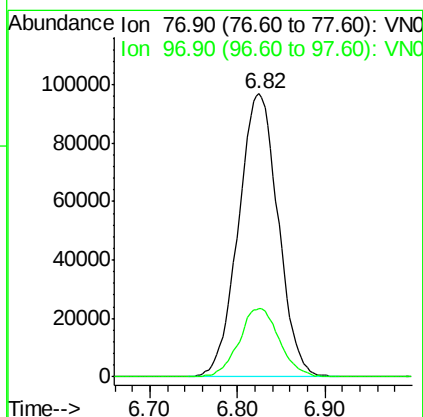
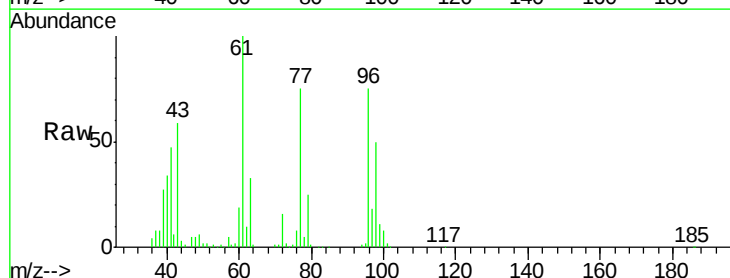
Acq: 18 Mar 2019 13:05

Tgt Ion: 77 Resp: 304623

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.077 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :

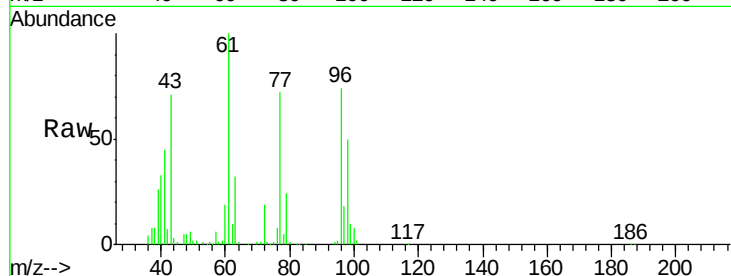
Tot Ion: 96 Resp: 294080

Ion Ratio Lower Upper

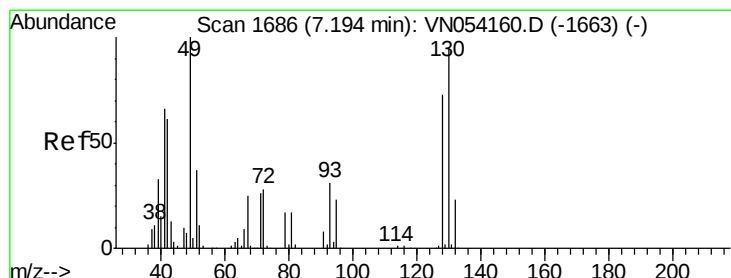
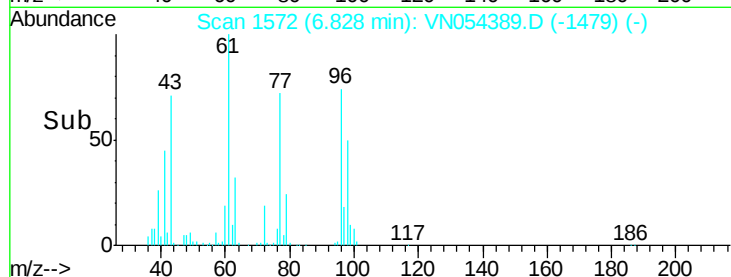
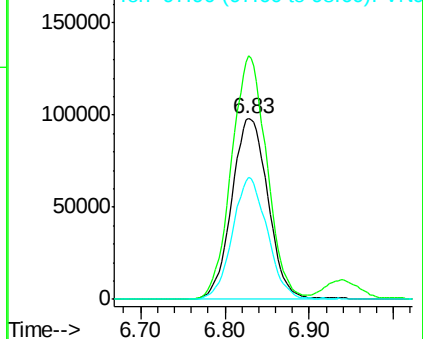
96 100

61 131.3 0.0 273.0

98 64.7 0.0 130.6



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



#28

Bromochloromethane

Concen: 21.736 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

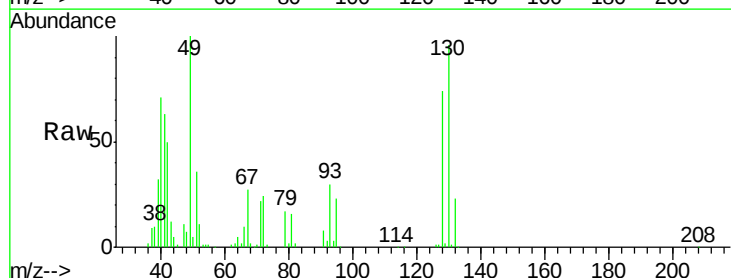
Tgt Ion: 49 Resp: 182072

Ion Ratio Lower Upper

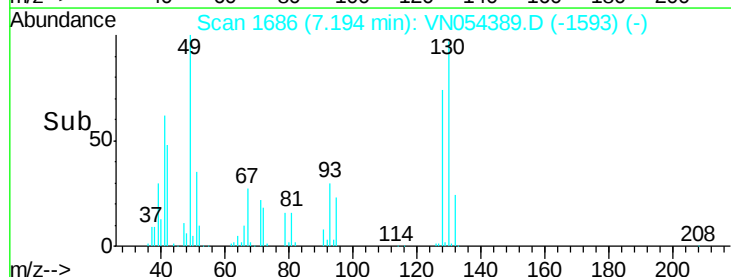
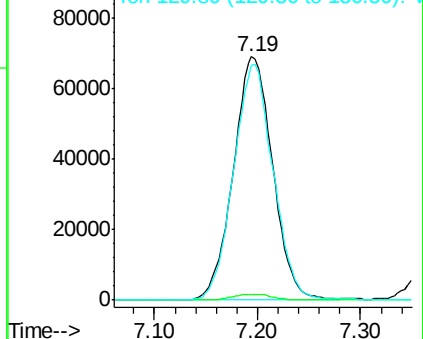
49 100

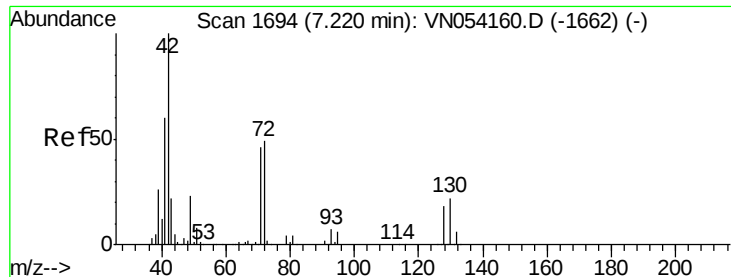
129 2.5 0.0 4.6

130 97.9 76.7 115.1



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

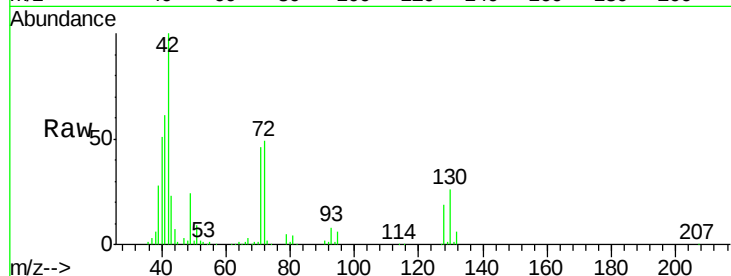




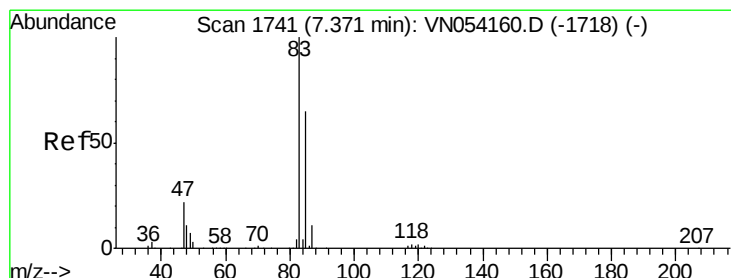
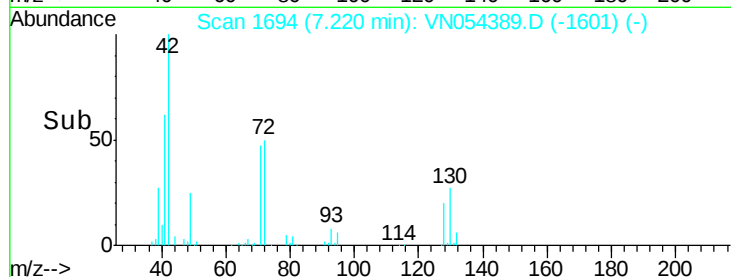
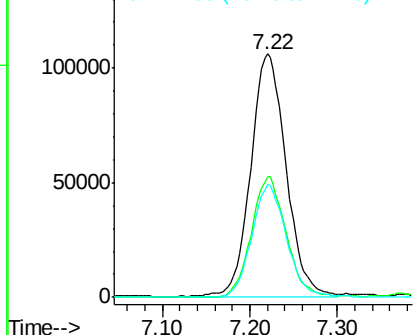
#29
Tetrahydrofuran
Concen: 107.129 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 294881
Ion Ratio Lower Upper
42 100
72 48.7 37.8 56.6
71 46.3 36.2 54.2

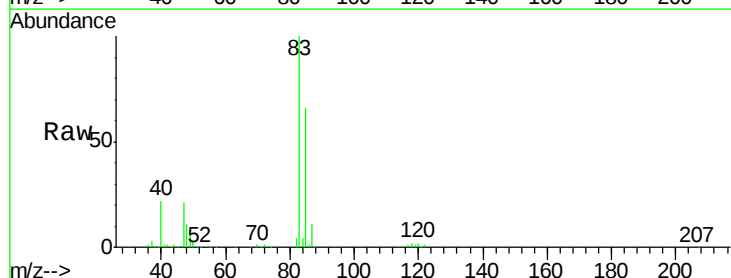


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

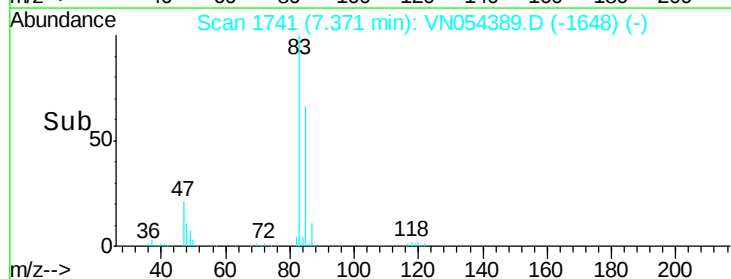
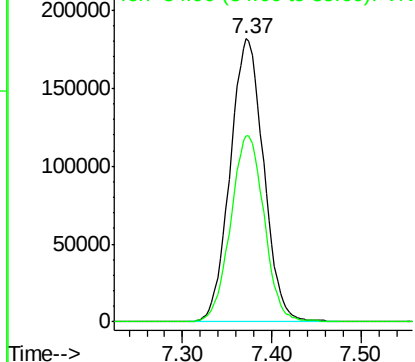


#30
Chloroform
Concen: 22.200 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 83 Resp: 474650
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.4



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

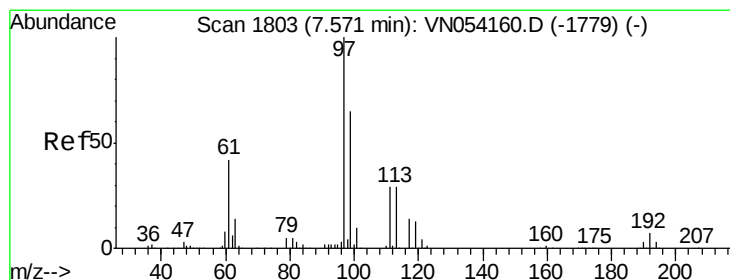
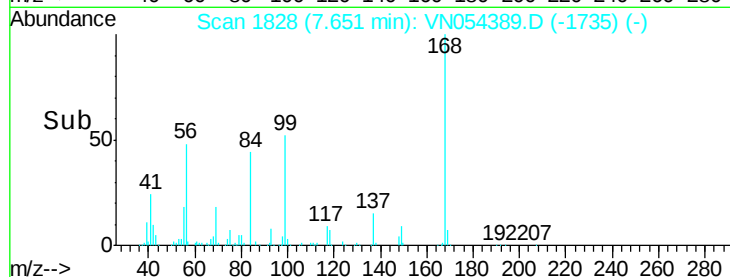
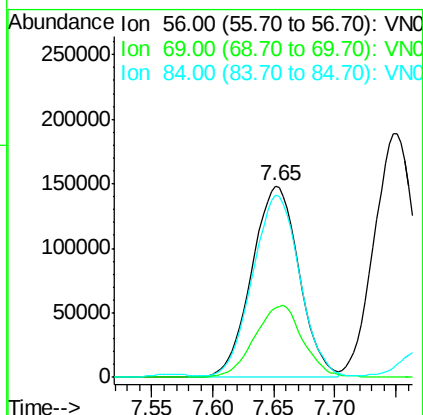
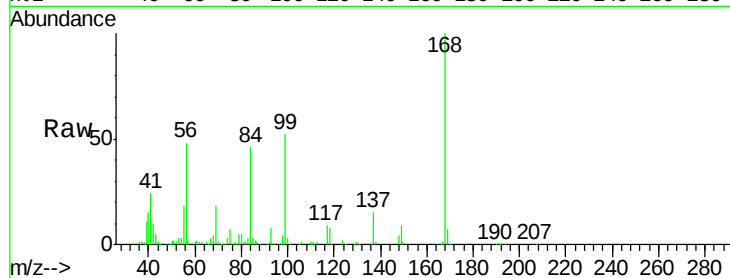




#31
Cyclohexane
Concen: 20.097 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

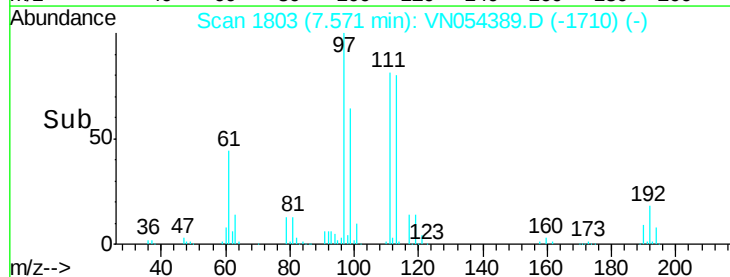
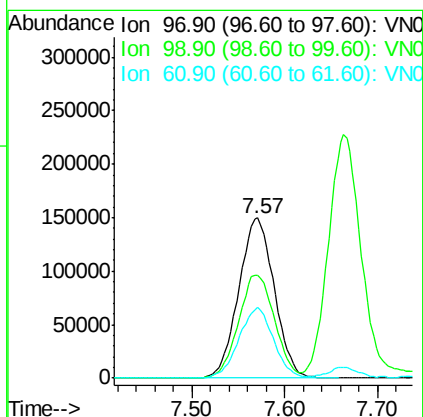
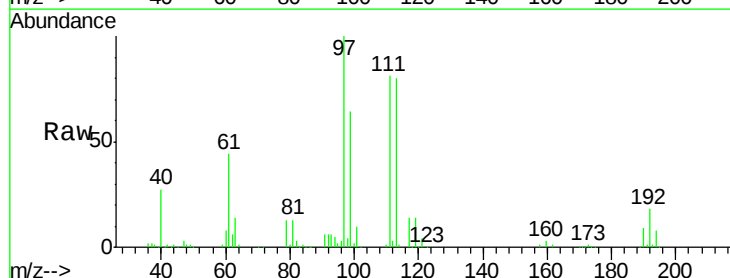
Instrument :
MSVOA_N
ClientSampled :

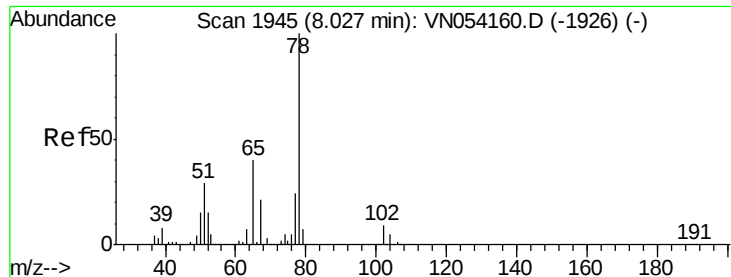
Tot Ion: 56 Resp: 399042
Ion Ratio Lower Upper
56 100
69 36.4 27.8 41.6
84 94.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.627 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 97 Resp: 398301
Ion Ratio Lower Upper
97 100
99 65.5 51.5 77.3
61 42.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 53.527 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

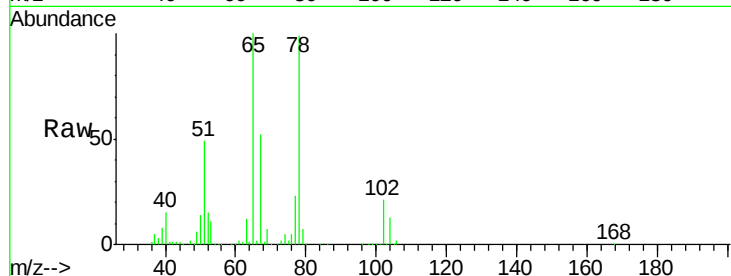
ClientSampleId :

Tot Ion: 65 Resp: 681891

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

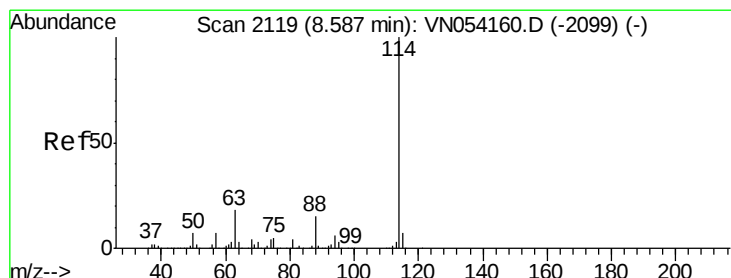
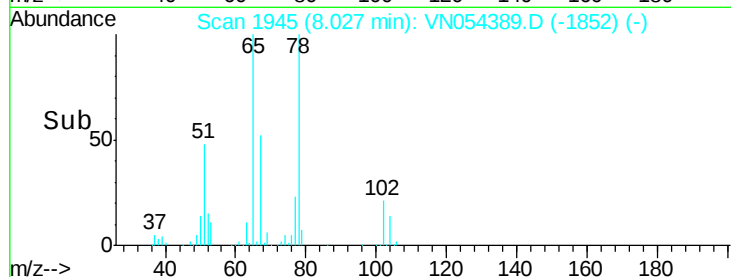
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

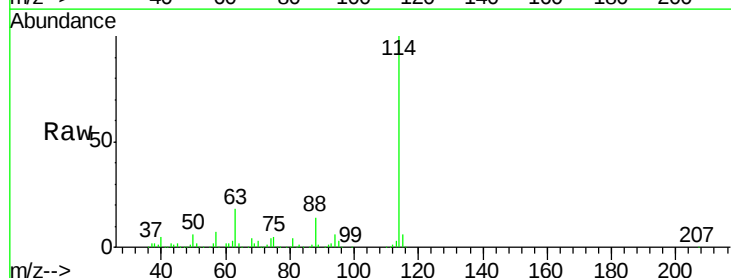
Tgt Ion: 114 Resp: 1852036

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 14.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

1000000

800000

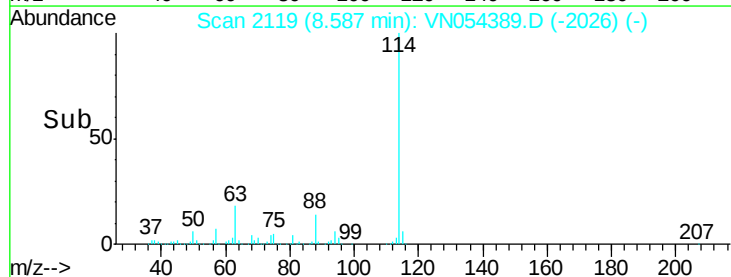
600000

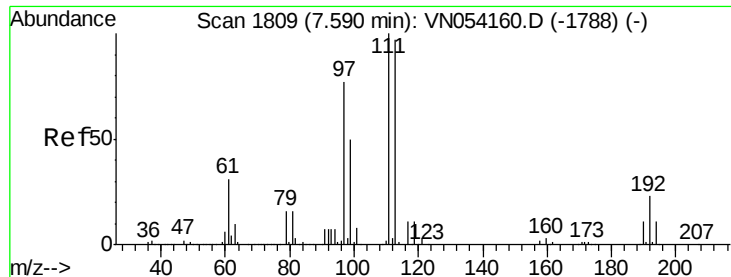
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

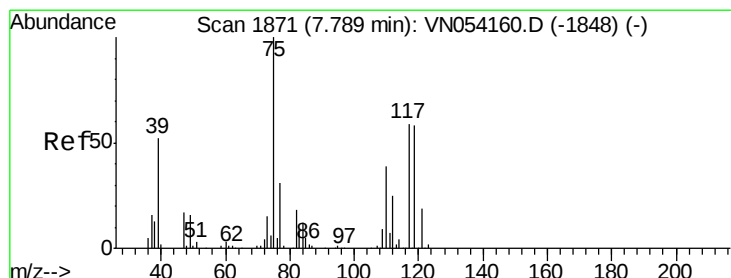
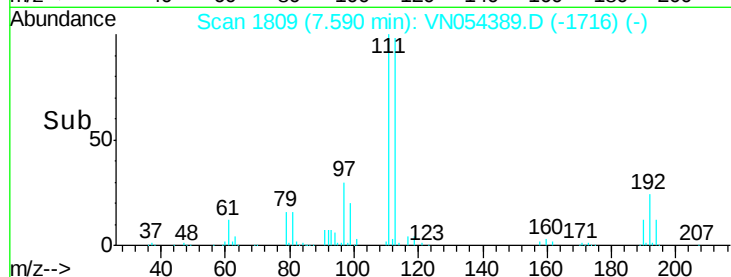
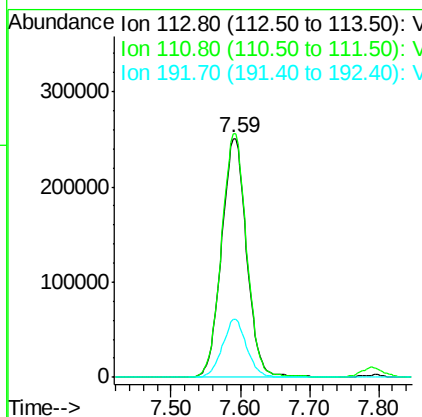
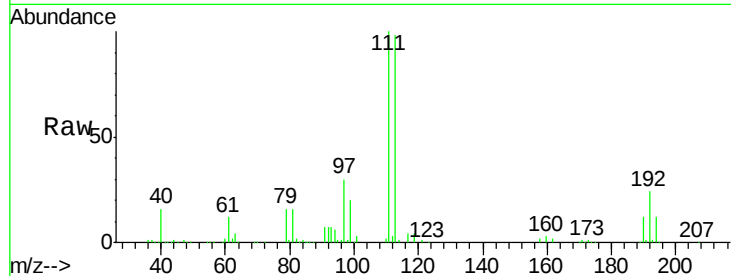




#35
 Dibromofluoromethane
 Concen: 53.061 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

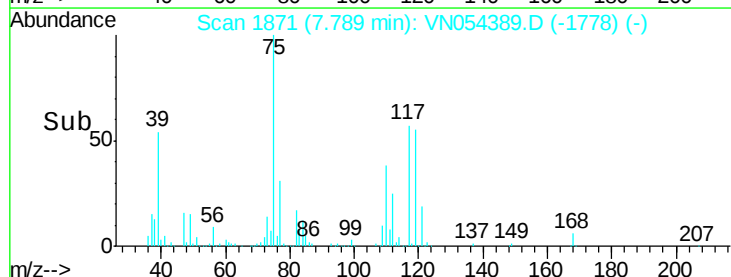
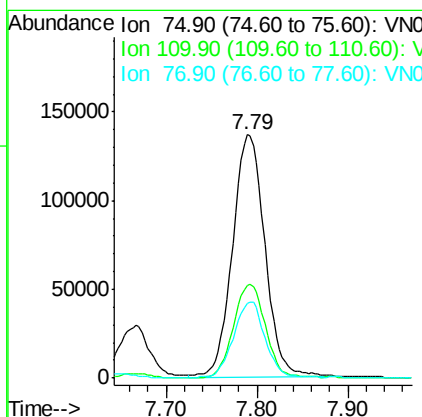
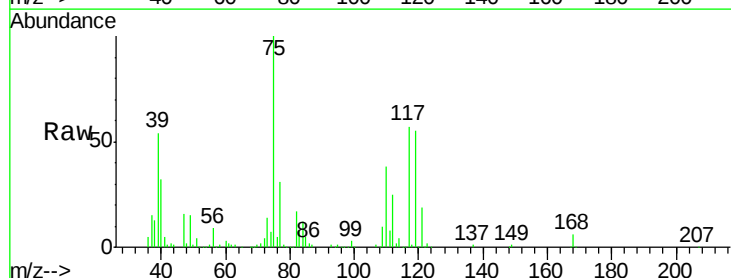
Instrument :
 MSVOA_N
 ClientSampleId :

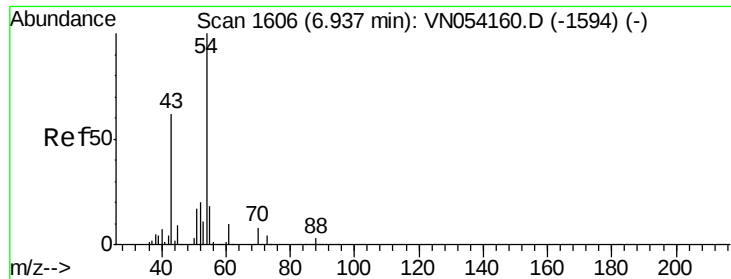
Tot Ion:113 Resp: 633801
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 23.5 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 19.770 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 75 Resp: 337187
 Ion Ratio Lower Upper
 75 100
 110 38.4 19.1 57.5
 77 31.2 25.0 37.4

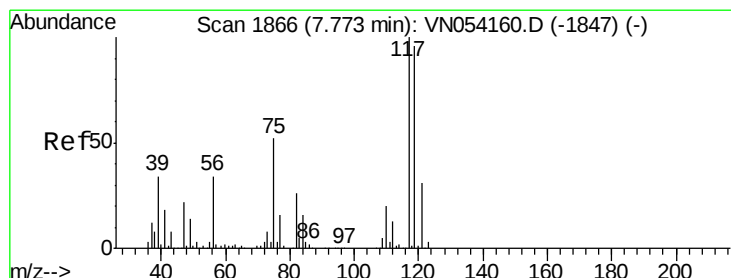
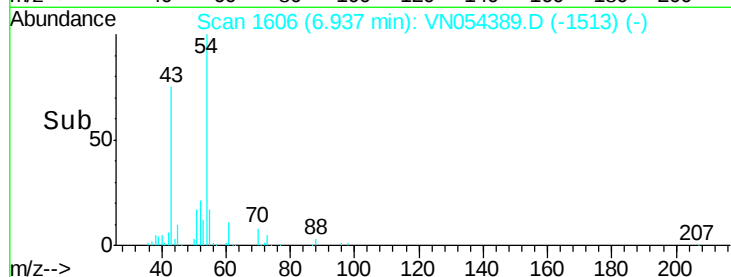
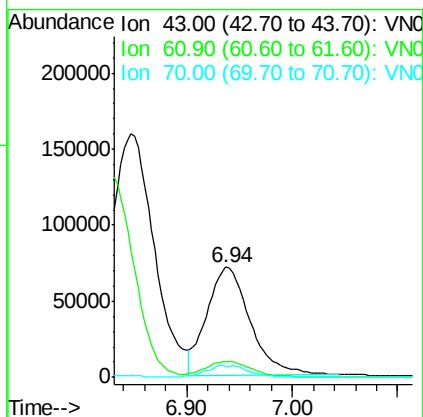
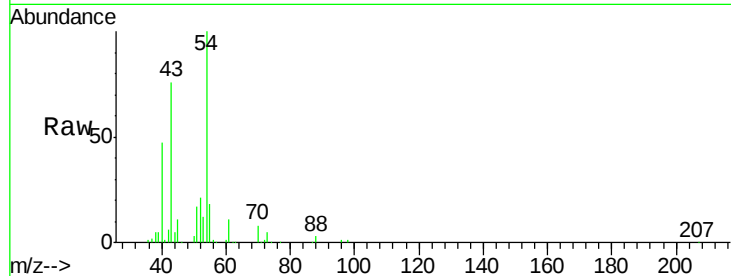




#37
Ethyl Acetate
Concen: 20.801 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

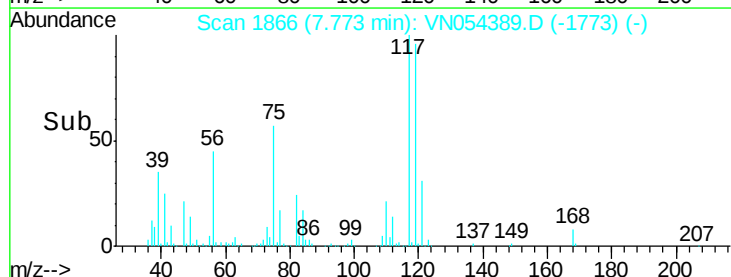
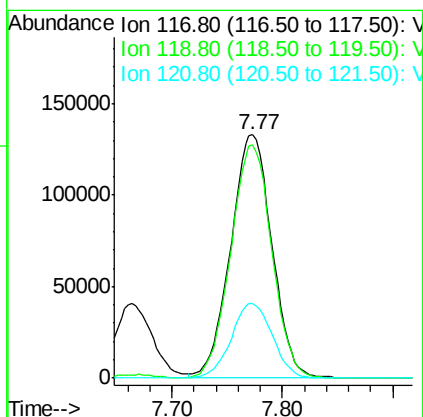
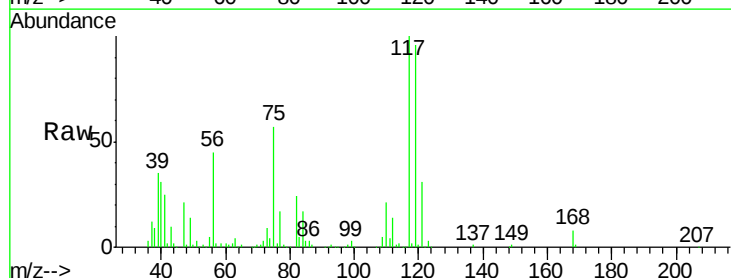
Instrument :
MSVOA_N
ClientSampled :

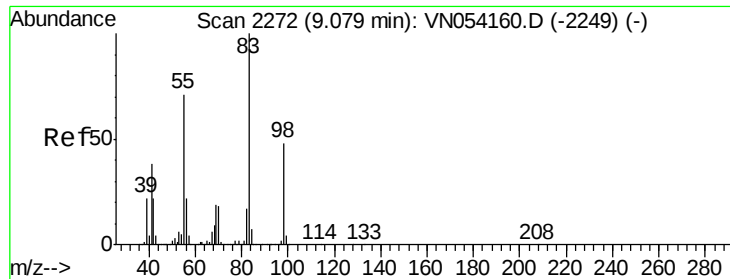
Tot Ion: 43 Resp: 203848
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.142 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 117 Resp: 342367
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5
121 30.7 24.6 36.8

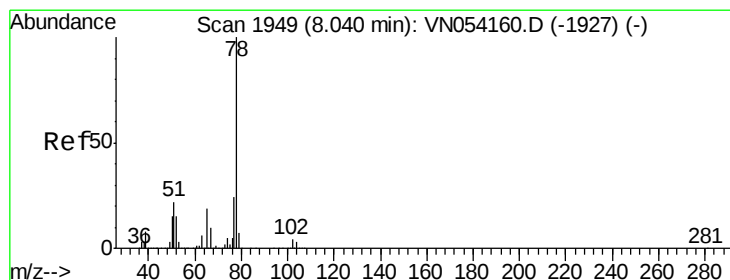
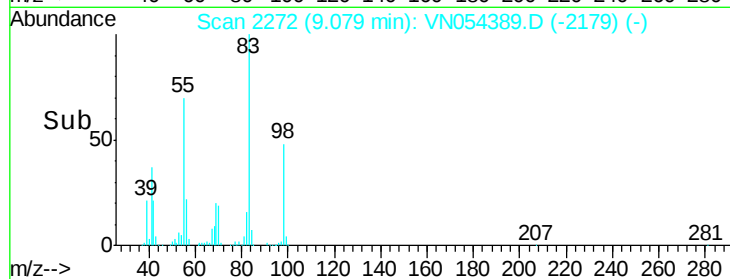
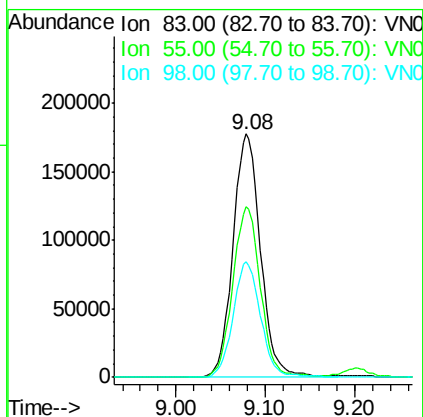
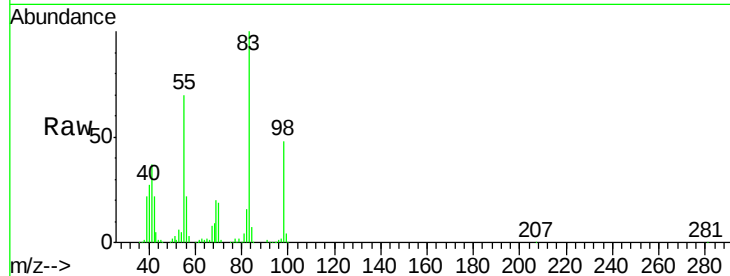




#39
Methvlcvclohexane
Concen: 18.181 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

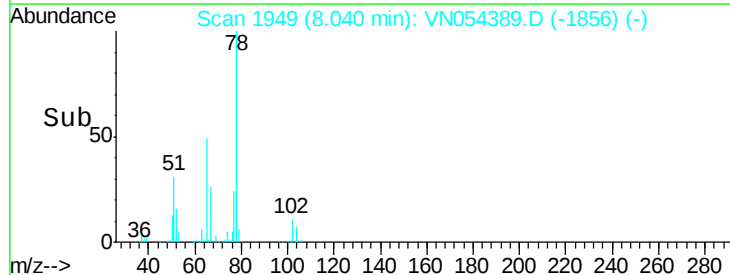
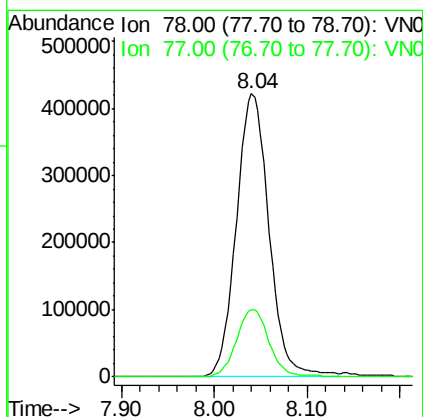
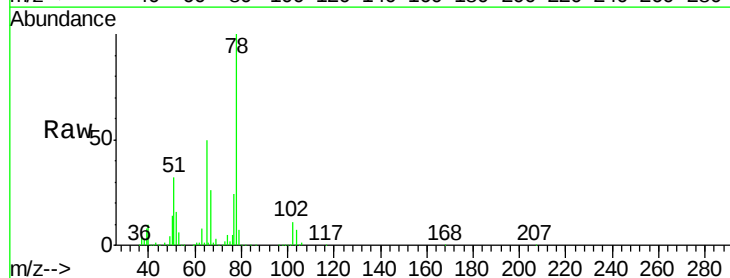
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 381519
Ion Ratio Lower Upper
83 100
55 70.0 56.6 84.8
98 47.6 38.4 57.6



#40
Benzene
Concen: 21.158 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 78 Resp: 1032644
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

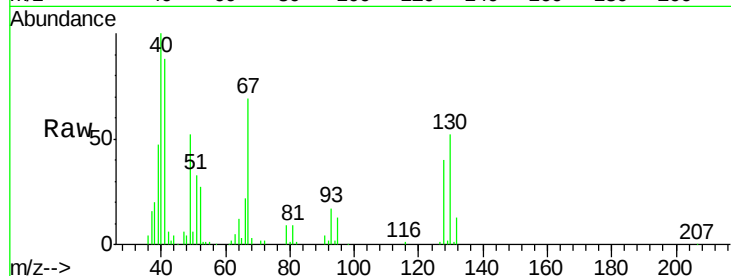




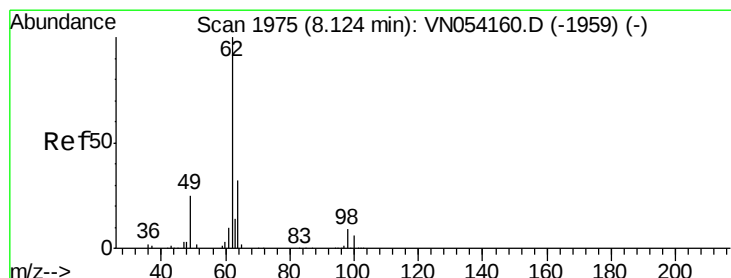
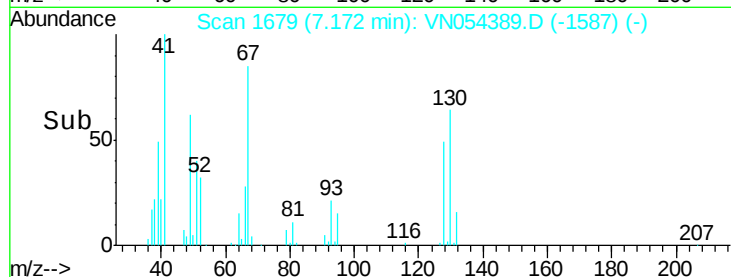
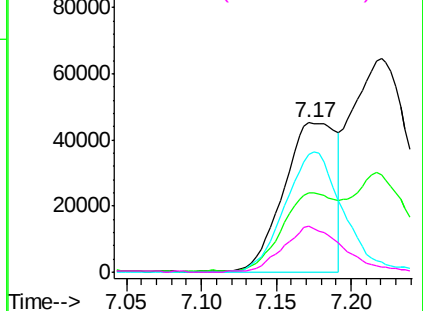
#41
Methacrylonitrile
Concen: 19.723 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 110361
Ion Ratio Lower Upper
41 100
39 51.8 46.8 70.2
67 89.3 67.0 100.4
52 35.7 26.5 39.7

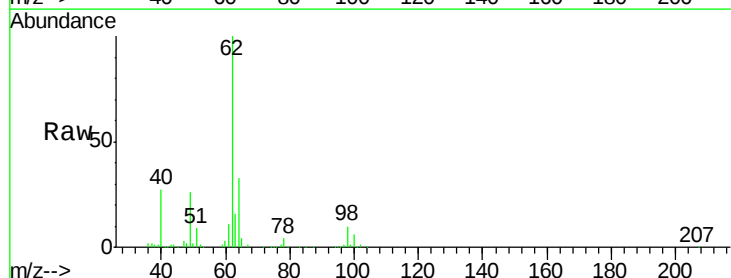


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

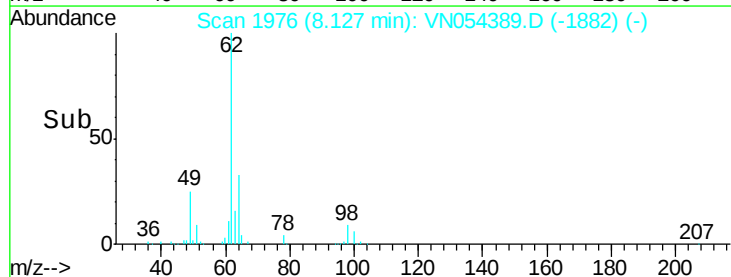
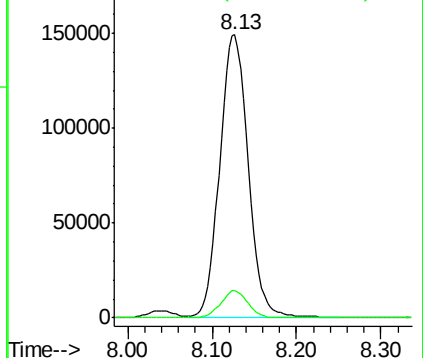


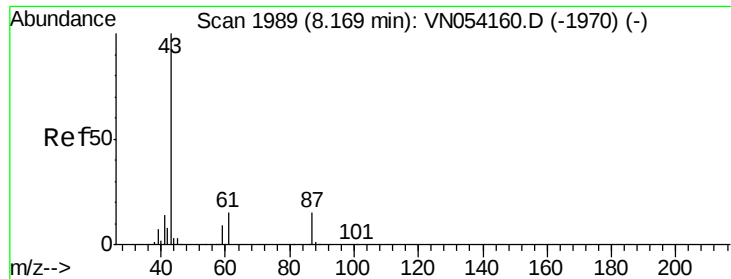
#42
1,2-Dichloroethane
Concen: 21.184 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 62 Resp: 349064
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4



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



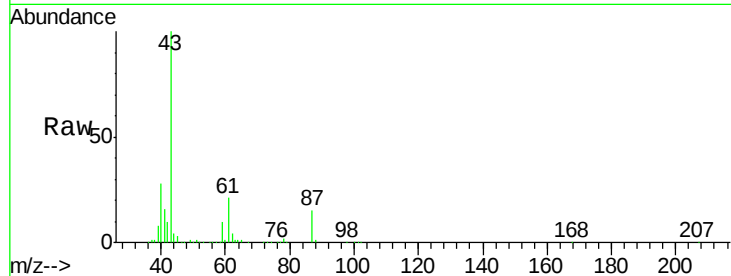


#43

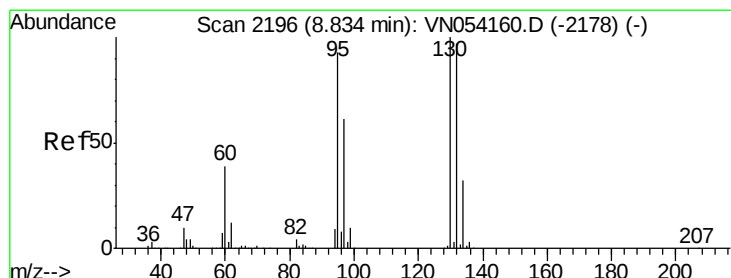
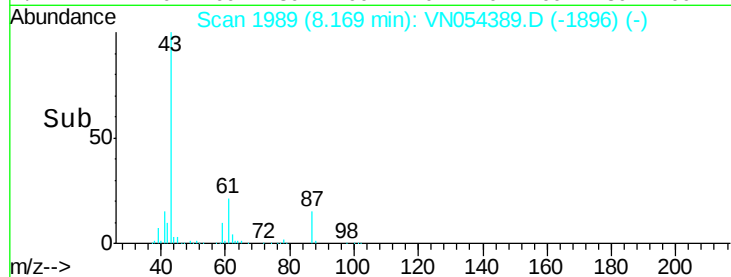
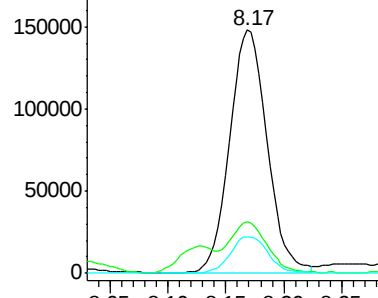
Isopropyl Acetate
 Concen: 19.272 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 331514
 Ion Ratio Lower Upper
 43 100
 61 20.9 15.8 23.8
 87 15.5 12.0 18.0



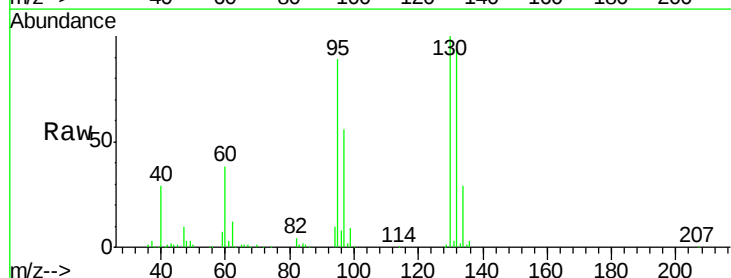
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



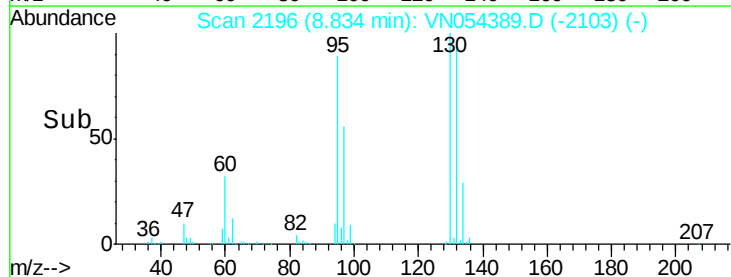
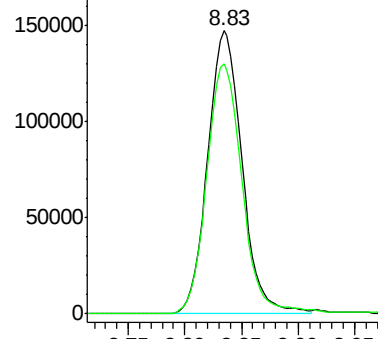
#44

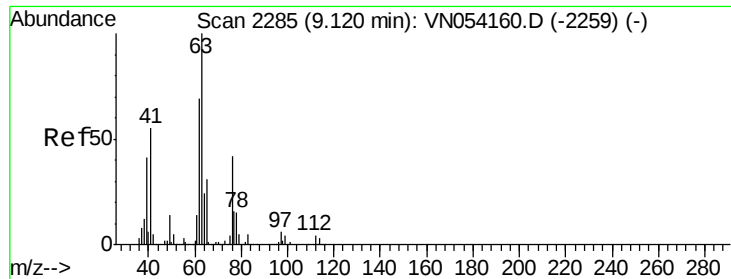
Trichloroethene
 Concen: 20.580 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 130 Resp: 312022
 Ion Ratio Lower Upper
 130 100
 95 88.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.654 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

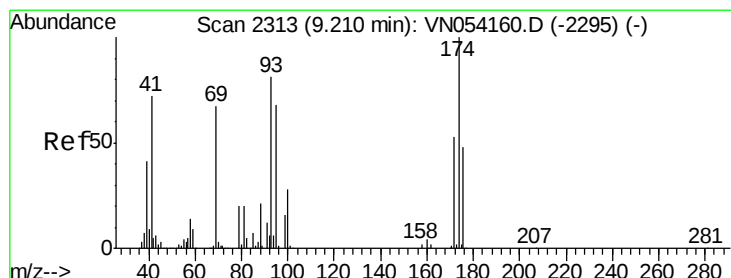
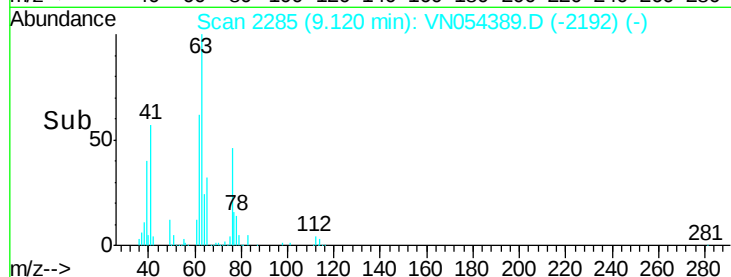
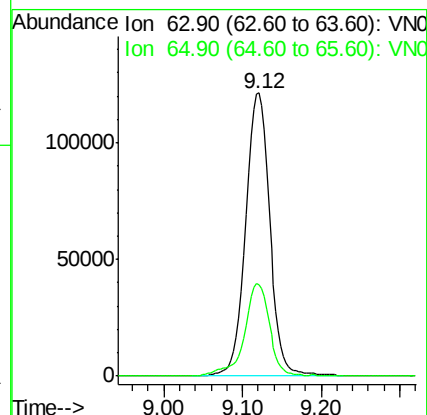
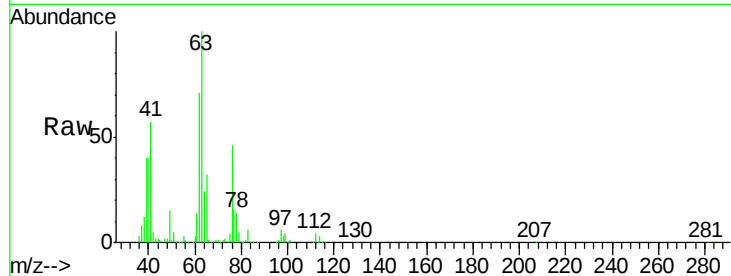
ClientSampleId :

Tot Ion: 63 Resp: 262429

Ion Ratio Lower Upper

63 100

65 32.3 25.0 37.6



#46

Dibromomethane

Concen: 20.855 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

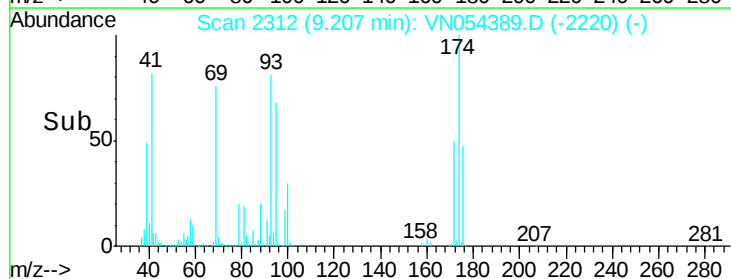
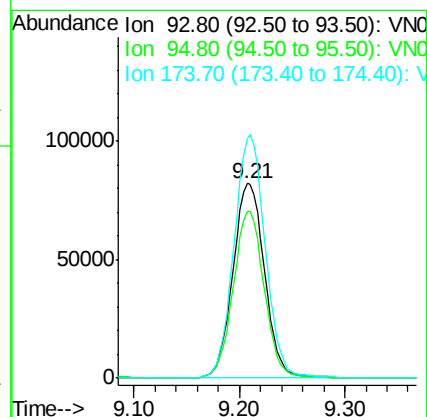
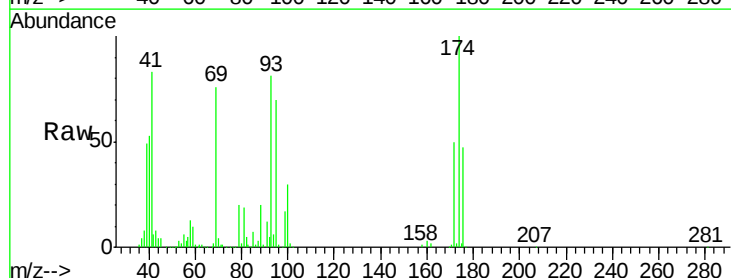
Tgt Ion: 93 Resp: 170771

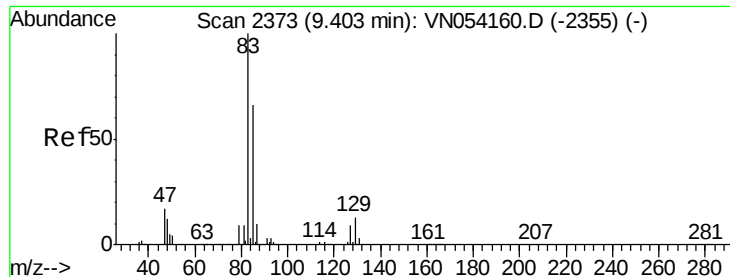
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 123.5 98.5 147.7





#47

Bromodichloromethane

Concen: 20.586 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

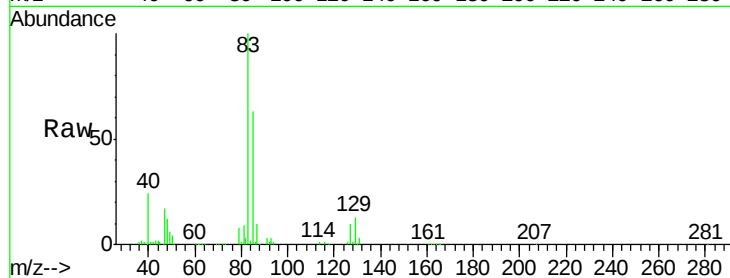
Tot Ion: 83 Resp: 337938

Ion Ratio Lower Upper

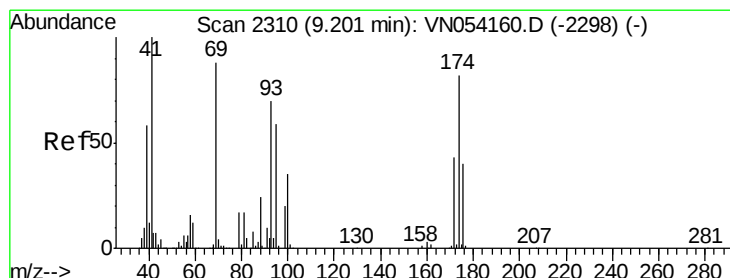
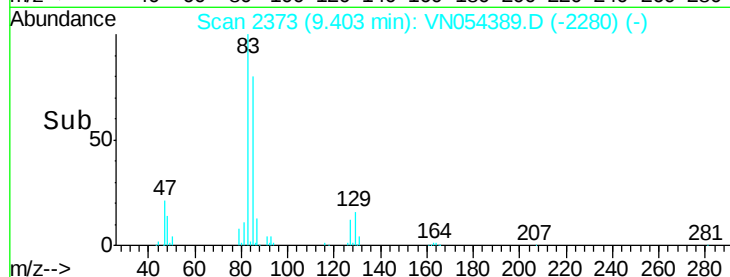
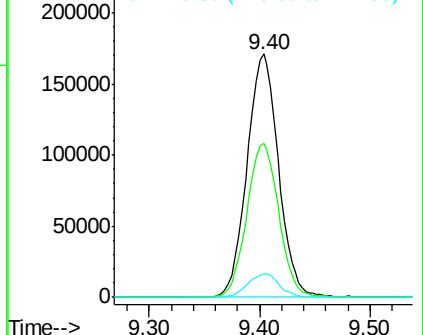
83 100

85 63.0 52.8 79.2

127 9.5 7.4 11.2



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



#48

Methyl methacrylate

Concen: 20.780 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

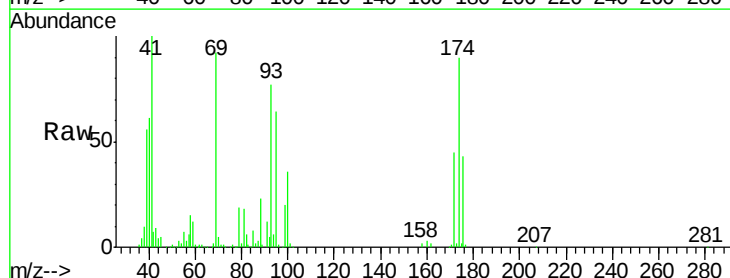
Tgt Ion: 41 Resp: 181400

Ion Ratio Lower Upper

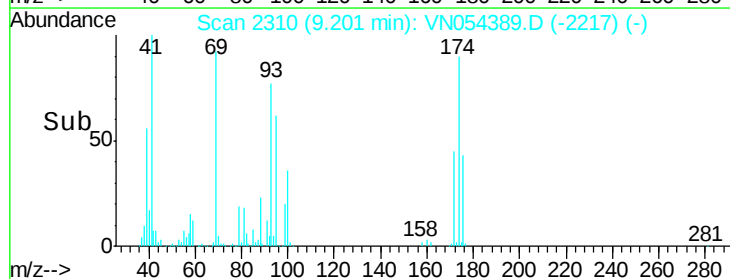
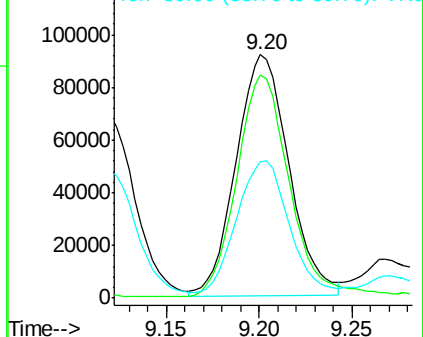
41 100

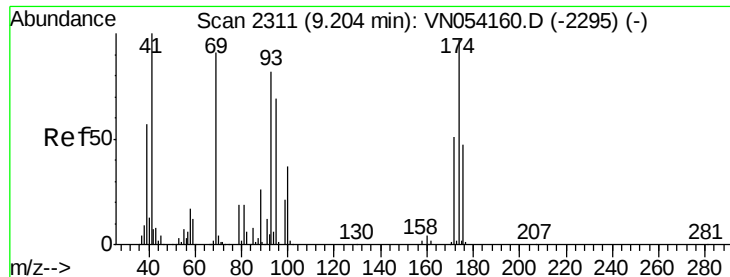
69 92.7 72.6 108.8

39 57.1 47.5 71.3



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

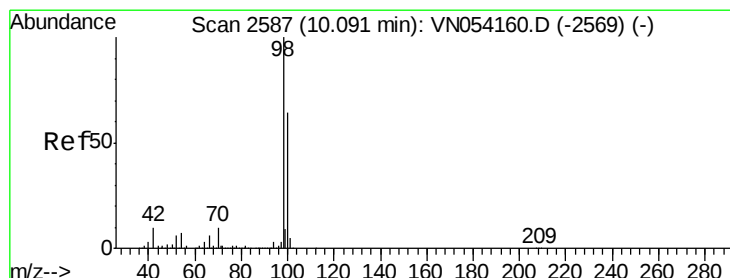
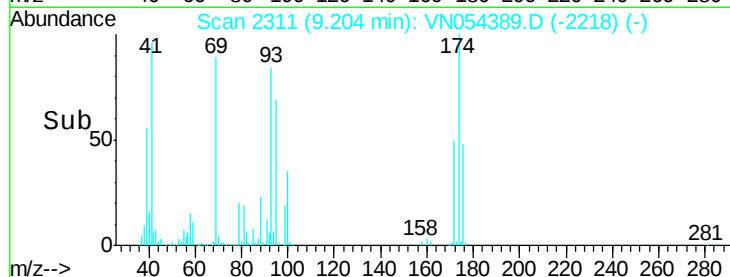
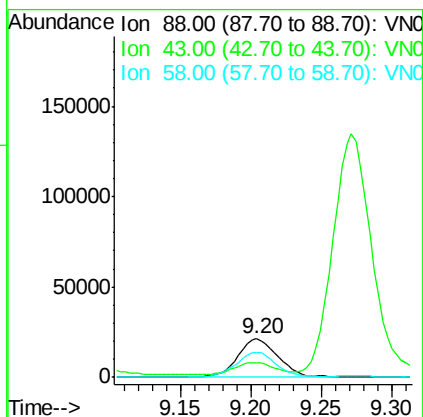
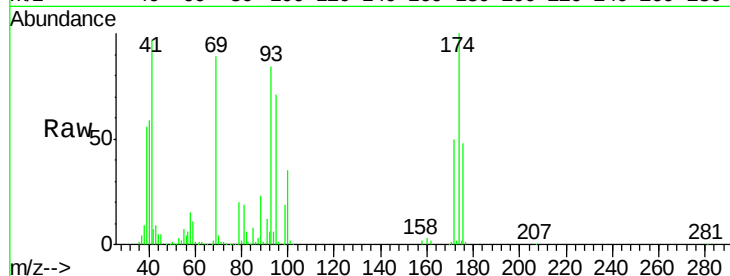




#49
 1,4-Dioxane
 Concen: 351.235 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

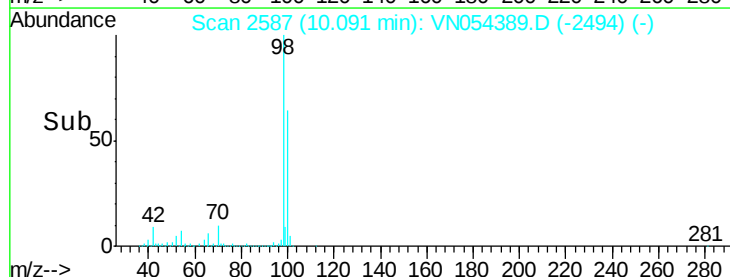
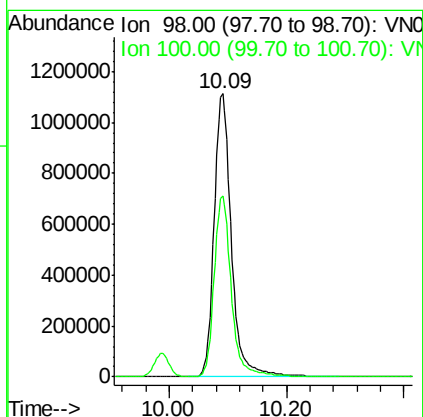
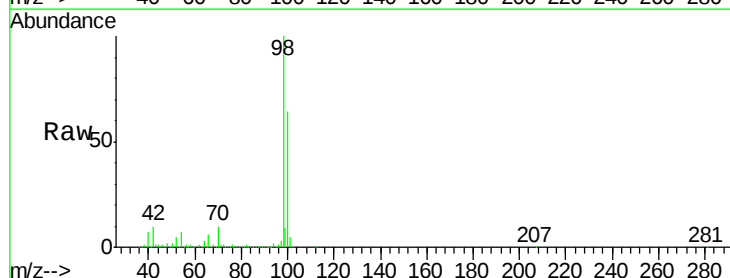
Instrument :
 MSVOA_N
 ClientSampleId :

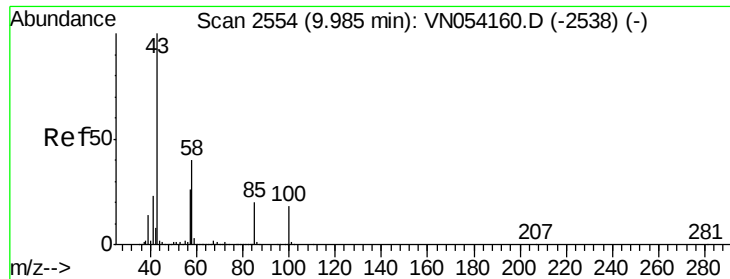
Tot Ion: 88 Resp: 43370
 Ion Ratio Lower Upper
 88 100
 43 30.9 24.1 36.1
 58 64.6 50.8 76.2



#50
 Toluene-d8
 Concen: 51.331 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 98 Resp: 2264432
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 107.049 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

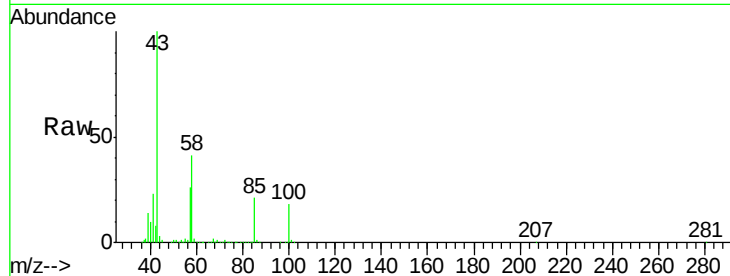
ClientSampled :

Tot Ion: 43 Resp: 974494

Ion Ratio Lower Upper

43 100

58 40.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

500000

400000

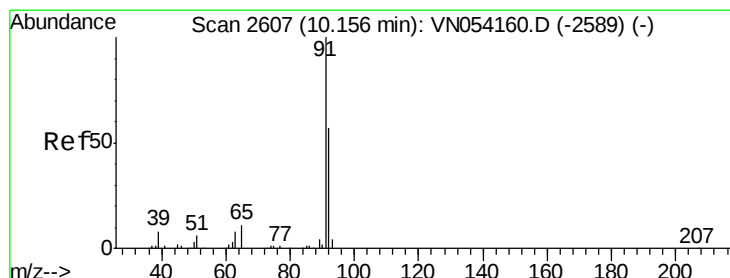
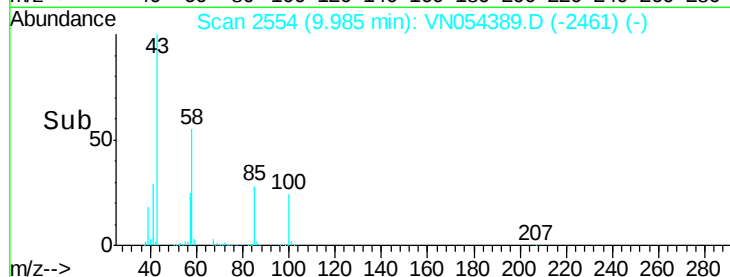
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.075 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054389.D

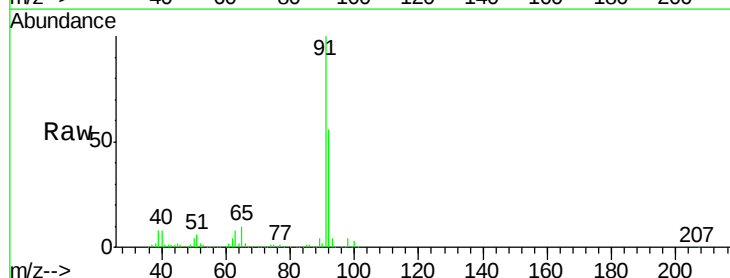
Acq: 18 Mar 2019 13:05

Tgt Ion: 92 Resp: 652189

Ion Ratio Lower Upper

92 100

91 176.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

10.16

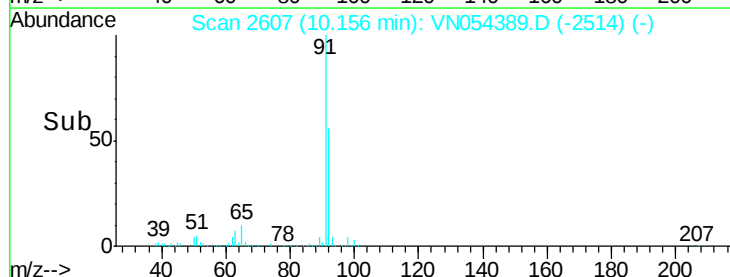
600000

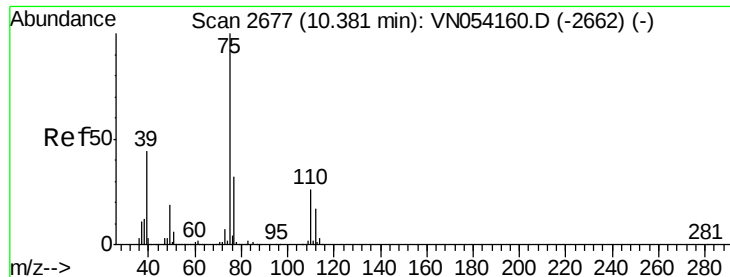
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.038 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

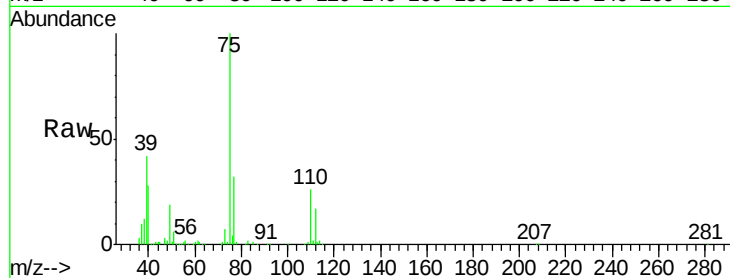
ClientSampleId :

Tot Ion: 75 Resp: 294303

Ion Ratio Lower Upper

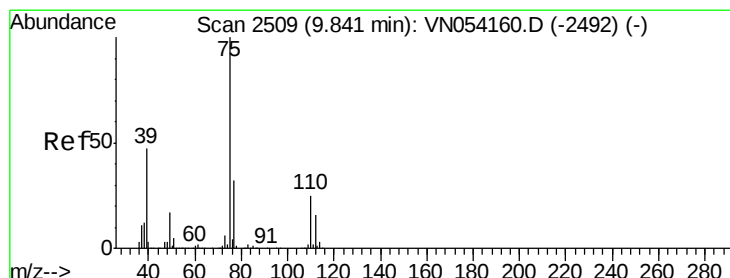
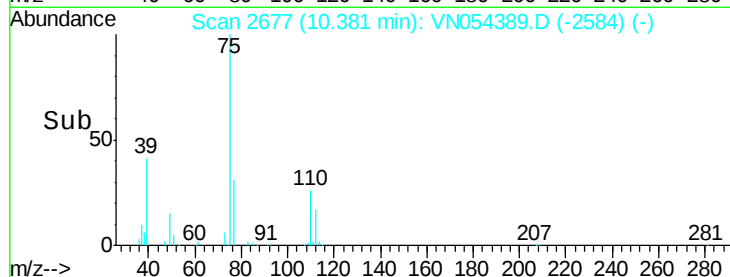
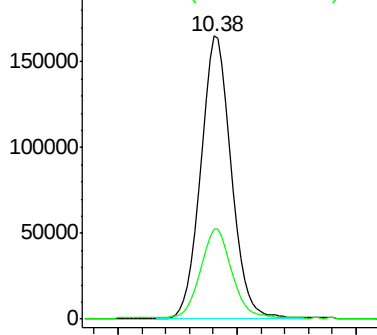
75 100

77 31.3 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: 19.057 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

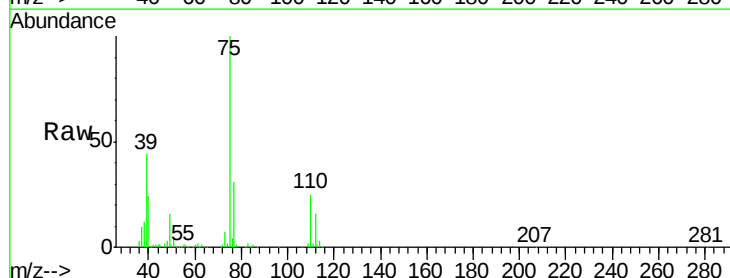
Tgt Ion: 75 Resp: 364550

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

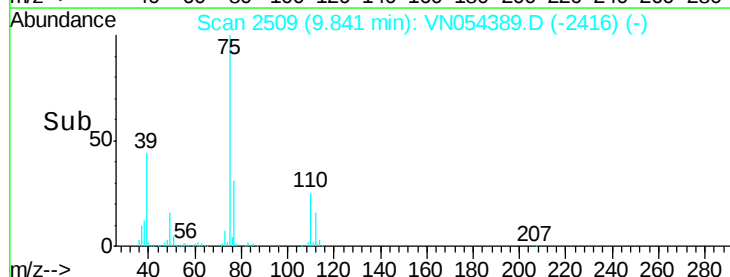
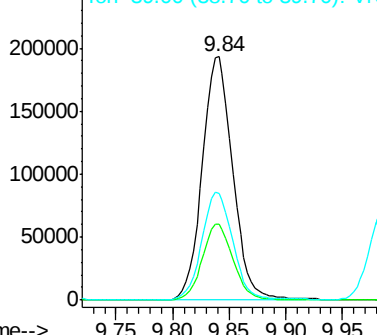
39 43.9 37.2 55.8

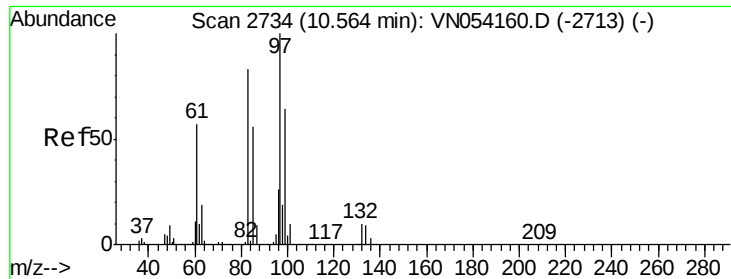


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

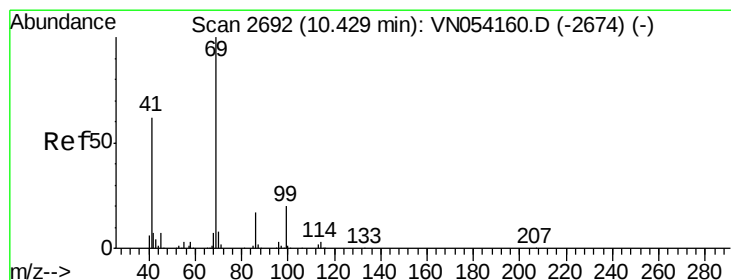
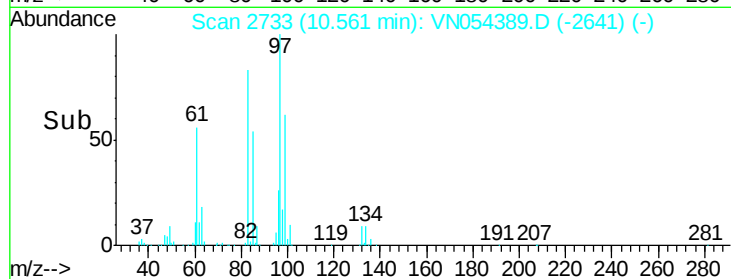
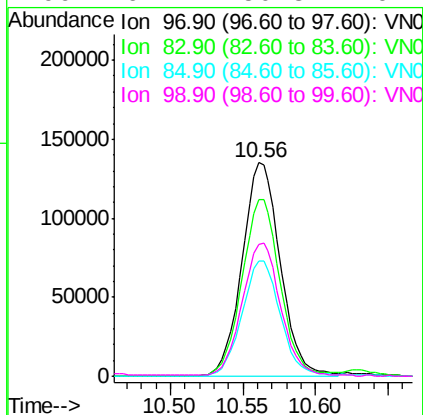
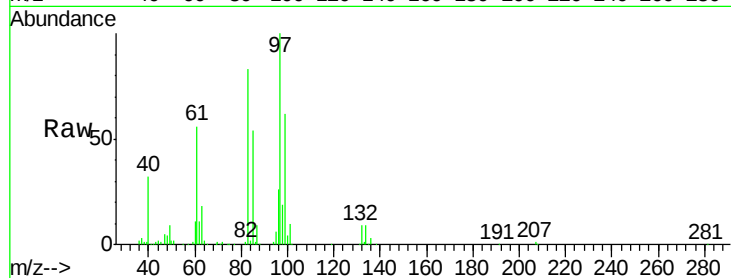




#55
 1,1,2-Trichloroethane
 Concen: 21.944 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

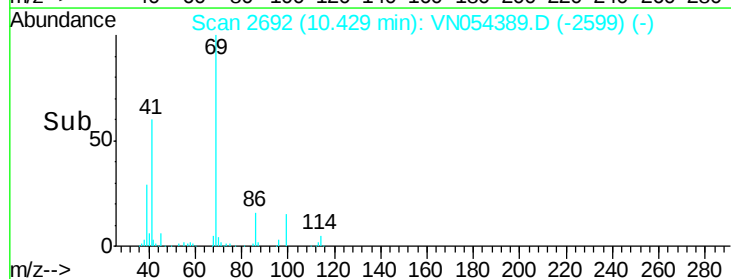
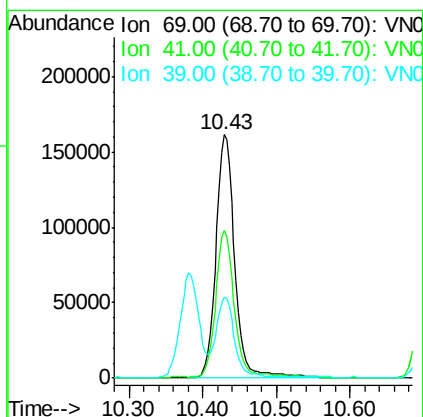
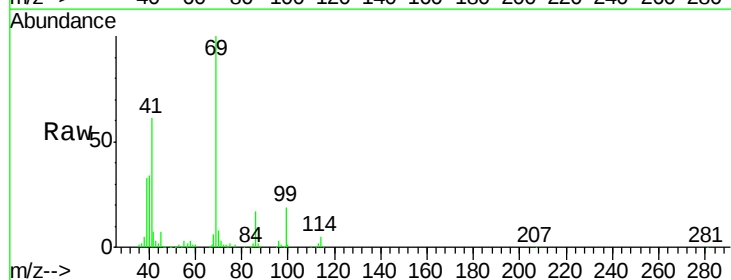
Instrument :
 MSVOA_N
 ClientSampleId :

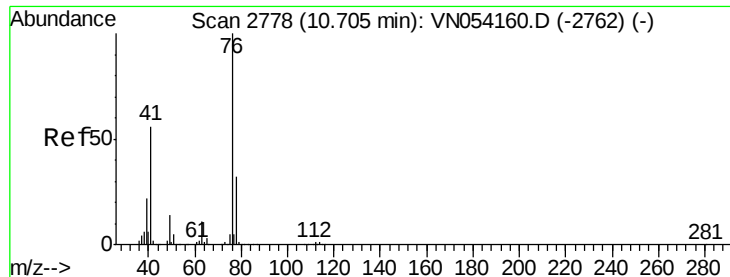
Tot Ion: 97 Resp: 247966
 Ion Ratio Lower Upper
 97 100
 83 82.5 66.6 100.0
 85 54.1 44.4 66.6
 99 61.4 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 21.186 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 69 Resp: 285453
 Ion Ratio Lower Upper
 69 100
 41 58.8 49.4 74.2
 39 31.2 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.351 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

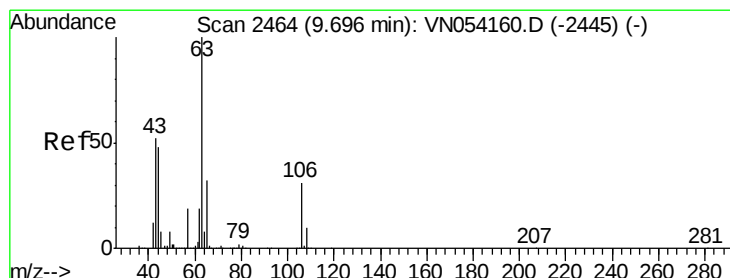
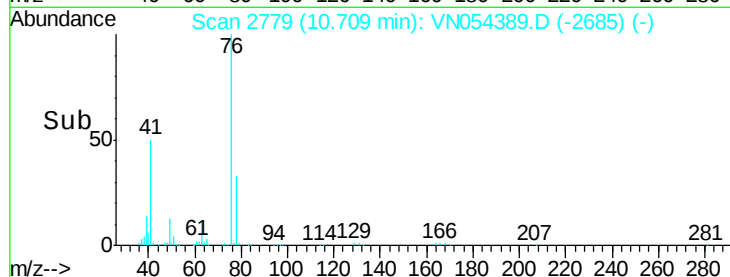
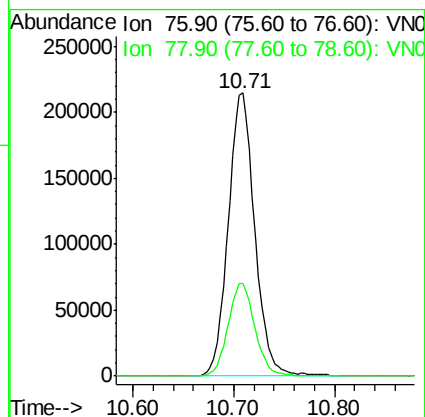
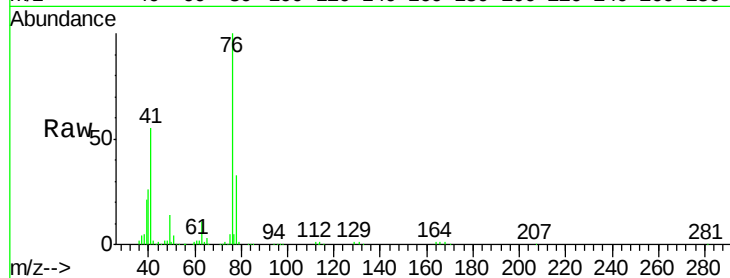
ClientSampleId :

Tot Ion: 76 Resp: 394502

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 101.043 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054389.D

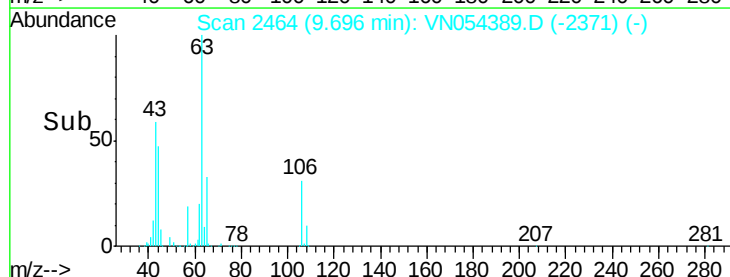
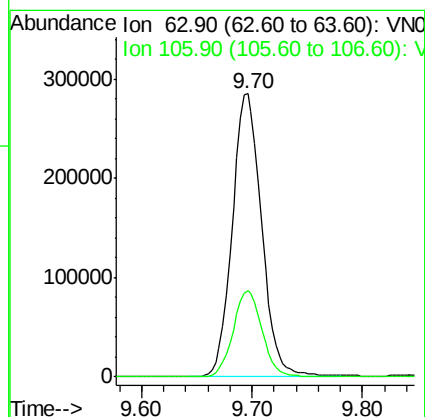
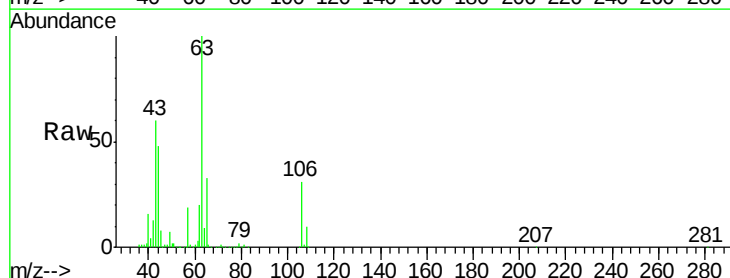
Acq: 18 Mar 2019 13:05

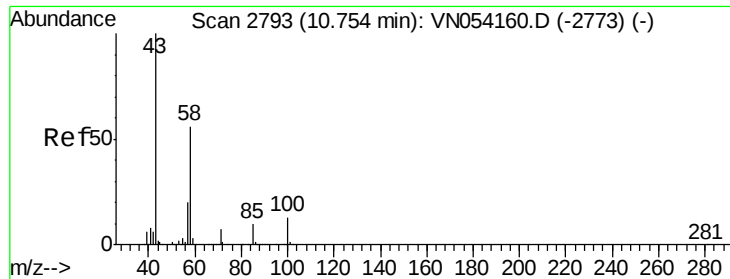
Tgt Ion: 63 Resp: 527795

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6

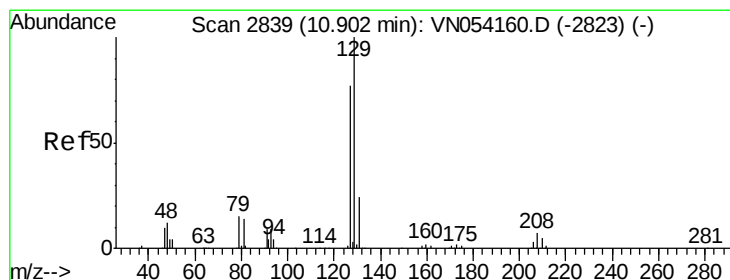
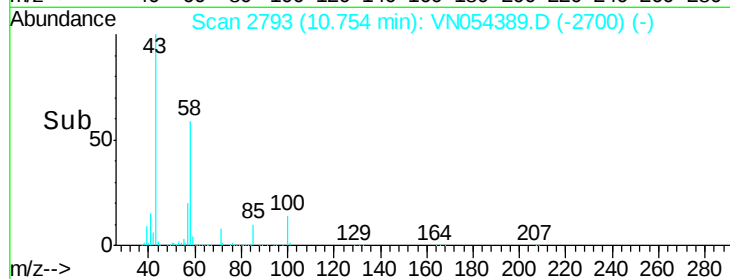
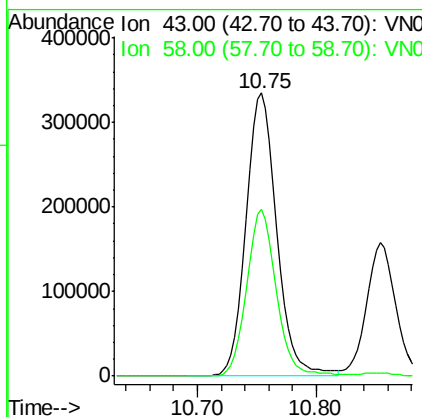
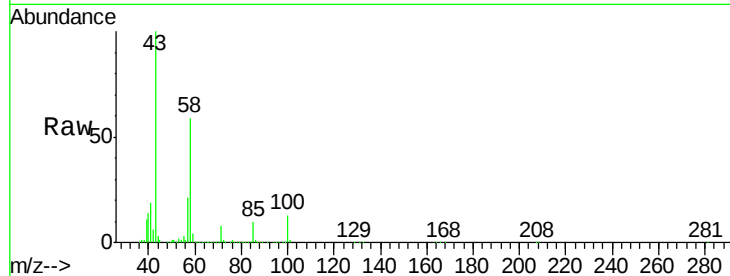




#59
2-Hexanone
Concen: 98.026 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

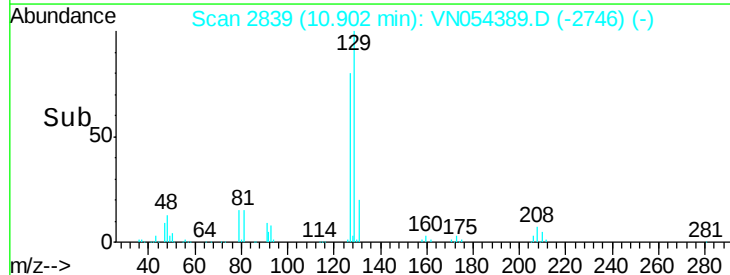
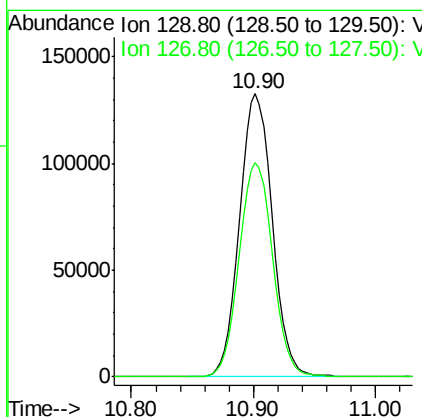
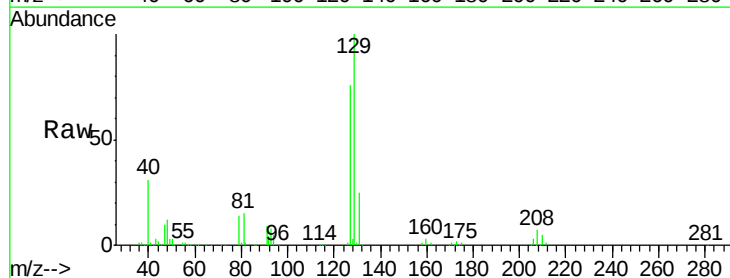
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 593768
Ion Ratio Lower Upper
43 100
58 57.3 28.0 83.9



#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 129 Resp: 246195
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

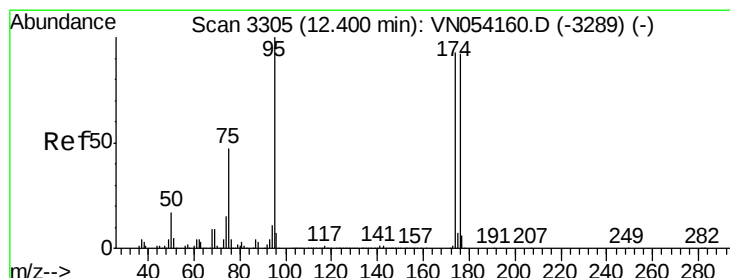
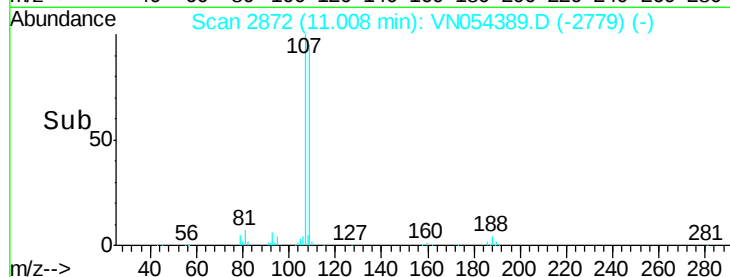
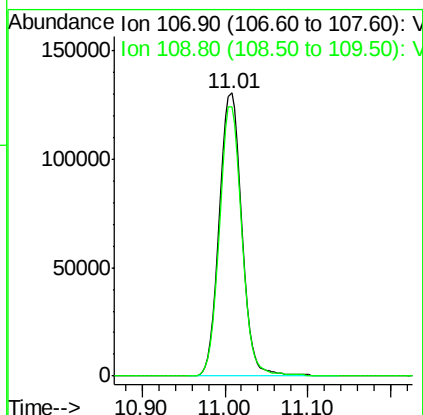
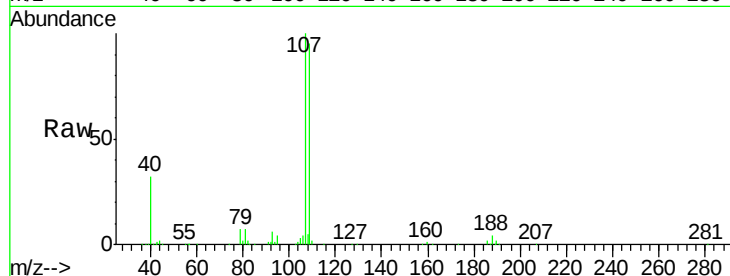




#61
 1,2-Dibromoethane
 Concen: 21.394 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

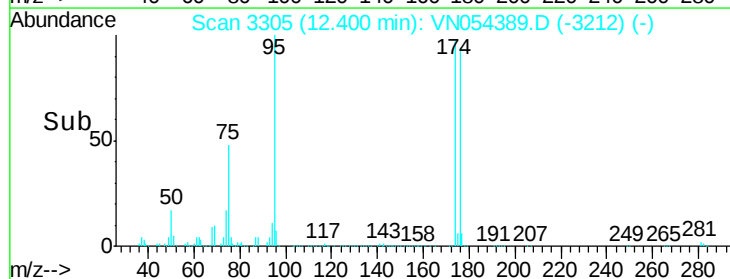
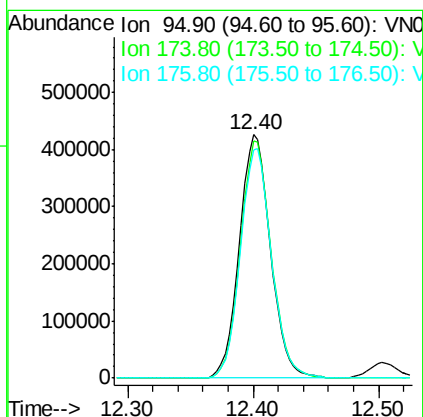
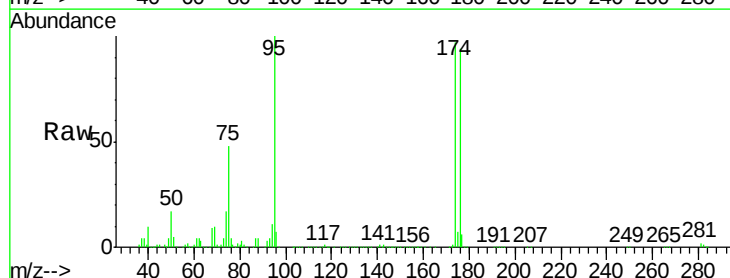
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 245665
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.622 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion: 95 Resp: 735066
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 94.4 0.0 187.4

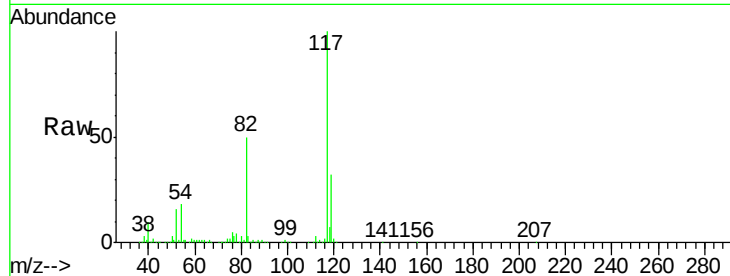




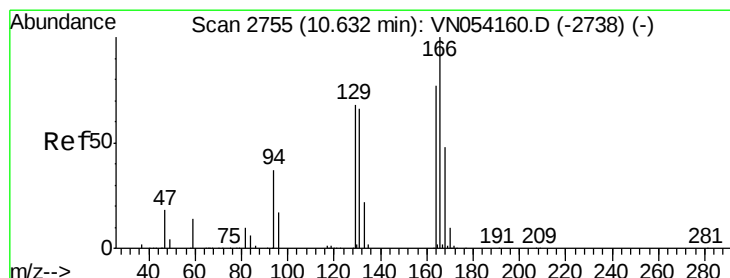
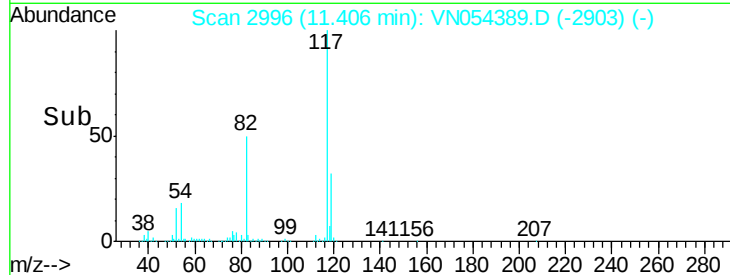
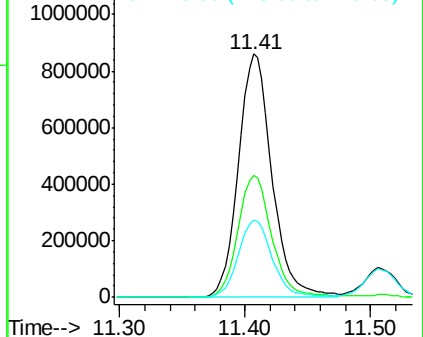
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1602024
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 31.9 25.8 38.6

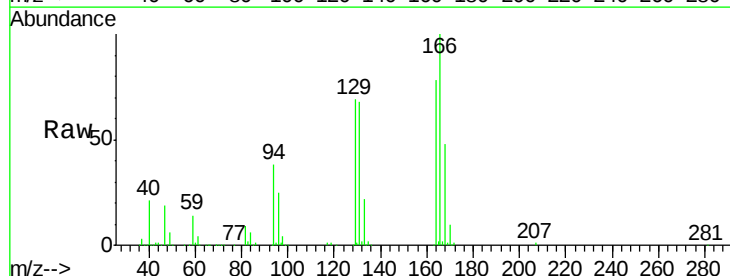


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

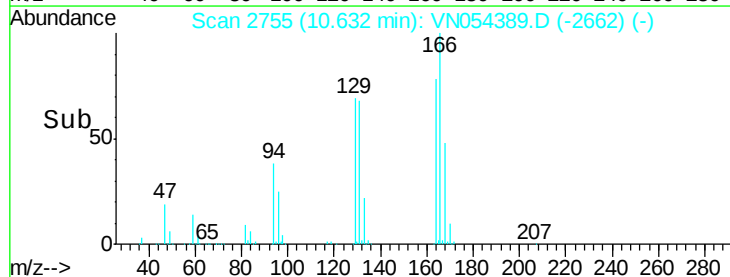
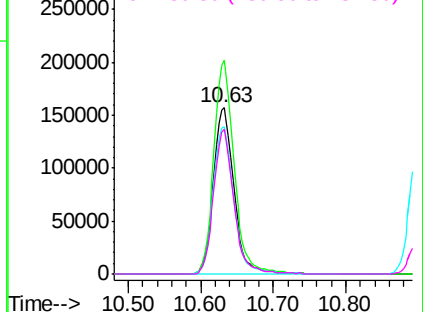


#64
Tetrachloroethene
Concen: 19.874 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion:164 Resp: 307828
Ion Ratio Lower Upper
164 100
166 128.8 103.9 155.9
129 88.8 71.1 106.7
131 87.5 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: 21.252 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

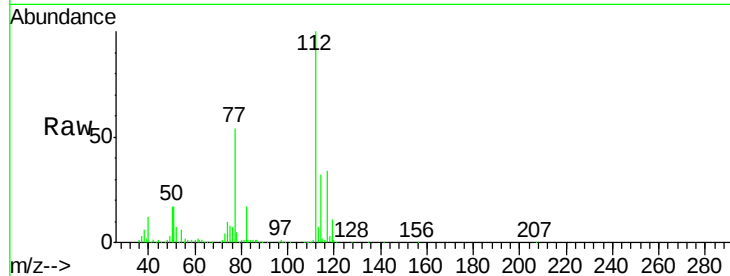
ClientSampled :

Tot Ion:112 Resp: 747570

Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

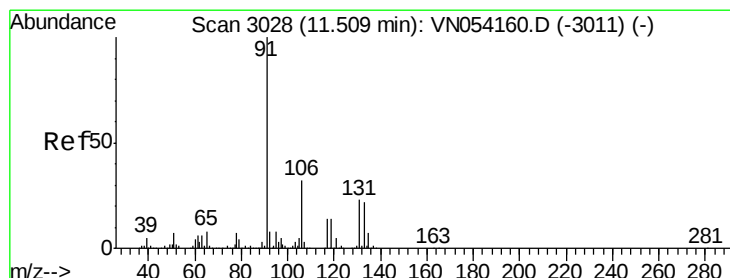
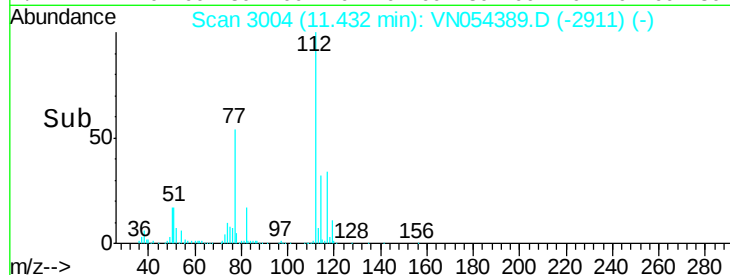
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 20.716 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

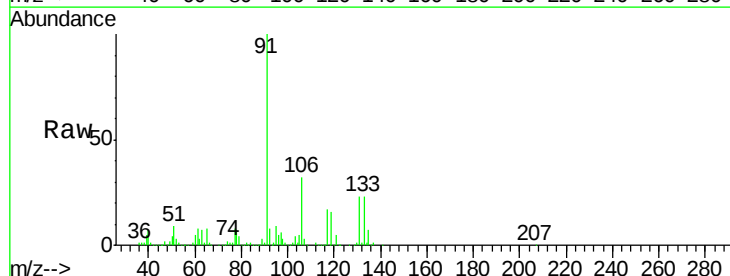
Tgt Ion:131 Resp: 264725

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.9

119 68.3 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

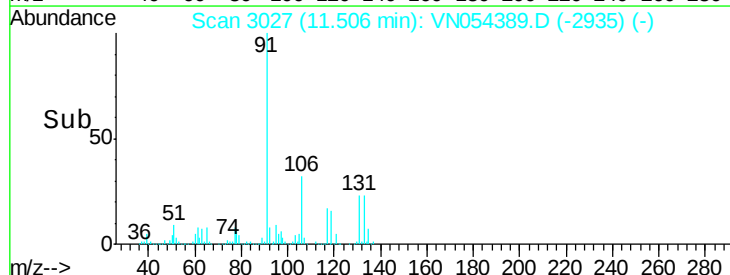
300000

200000

100000

0

Time--> 11.40 11.50 11.60

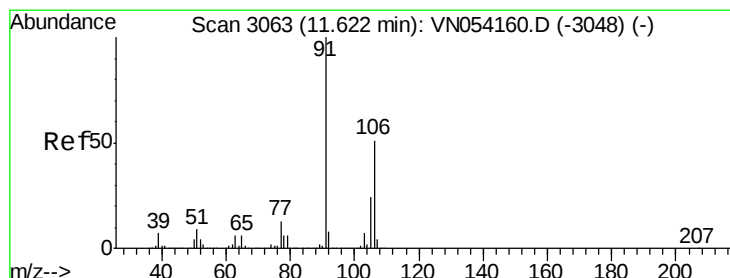
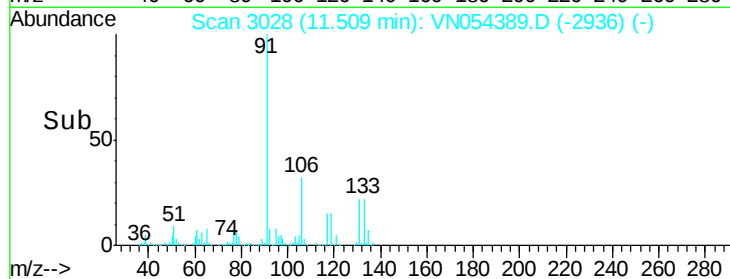
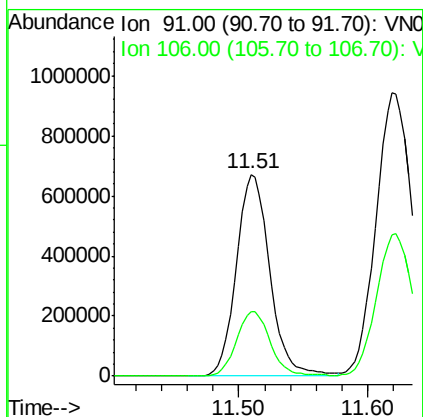
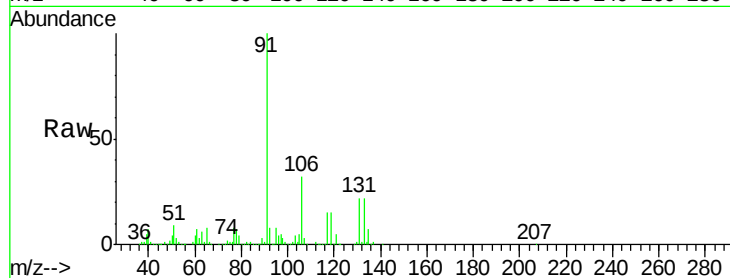




#67
Ethyl Benzene
Concen: 20.787 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

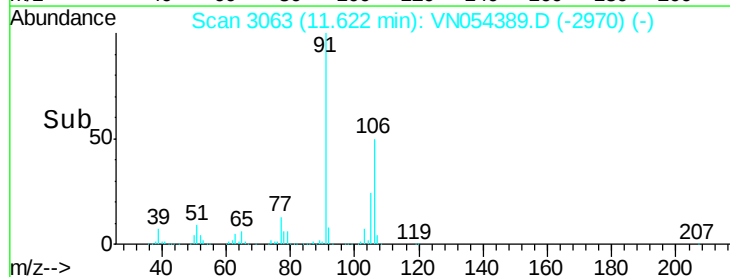
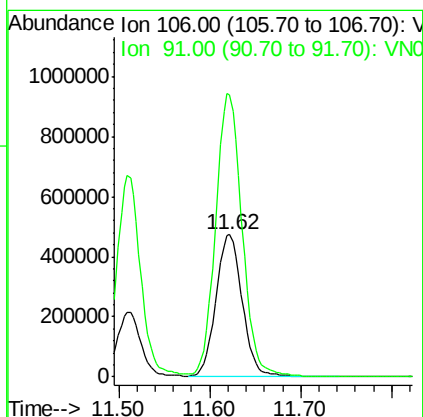
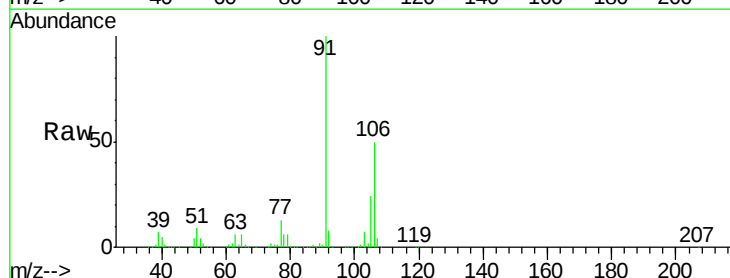
Instrument :
MSVOA_N
ClientSampled :

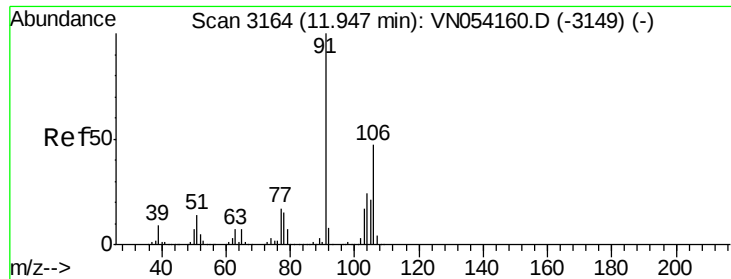
Tot Ion: 91 Resp: 1212118
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3



#68
m/p-Xylenes
Concen: 41.895 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 106 Resp: 954809
Ion Ratio Lower Upper
106 100
91 199.6 159.4 239.2

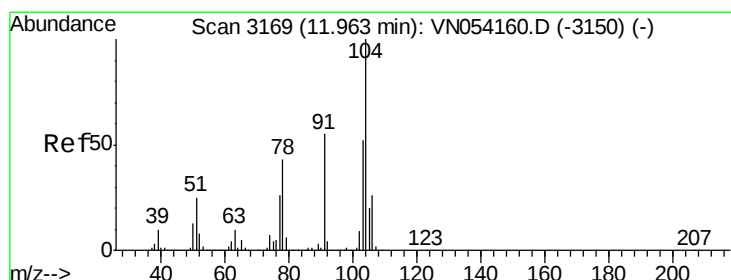
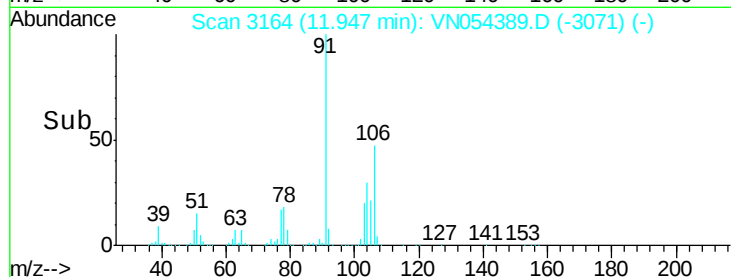
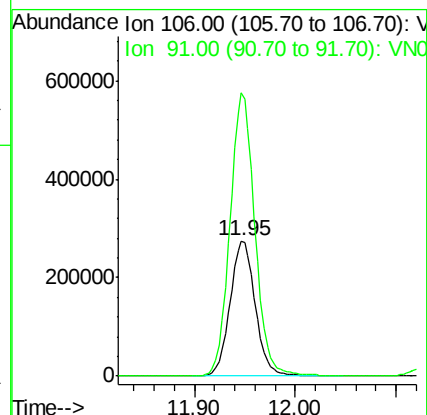
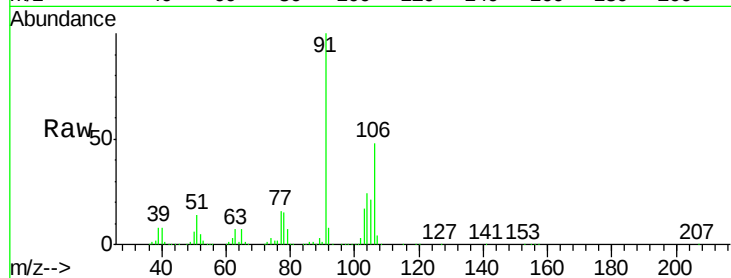




#69
o-Xylene
Concen: 21.576 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

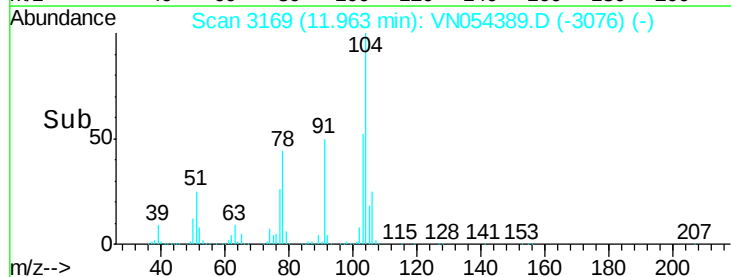
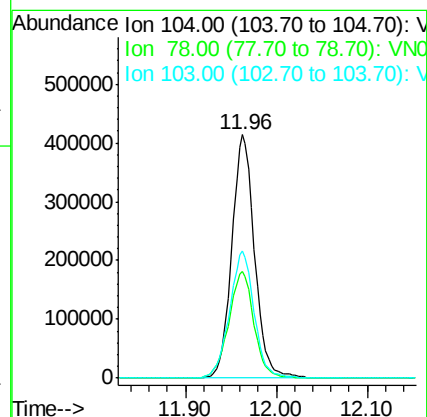
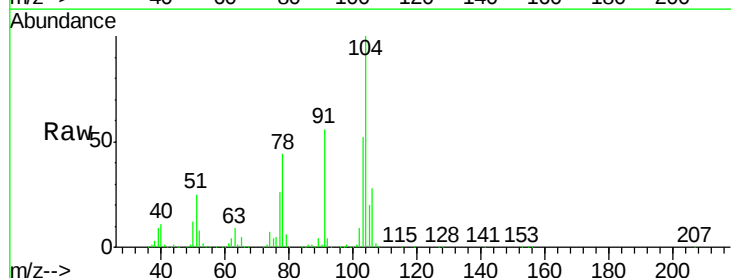
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 479349
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1



#70
Styrene
Concen: 20.646 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion:104 Resp: 719369
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 56.6 44.4 66.6





#71

Bromoform

Concen: 17.598 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

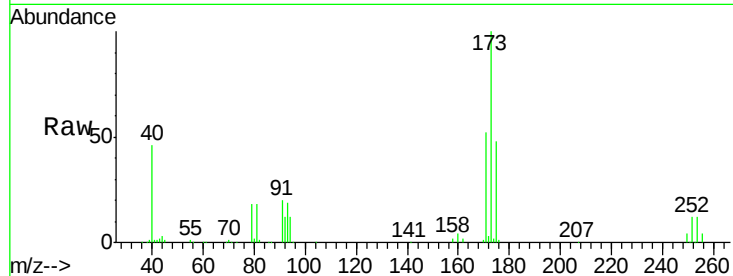
Tot Ion:173 Resp: 155849

Ion Ratio Lower Upper

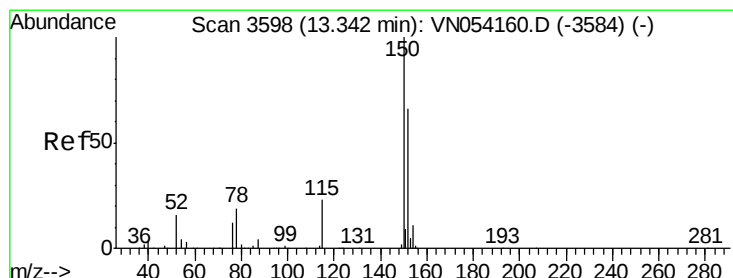
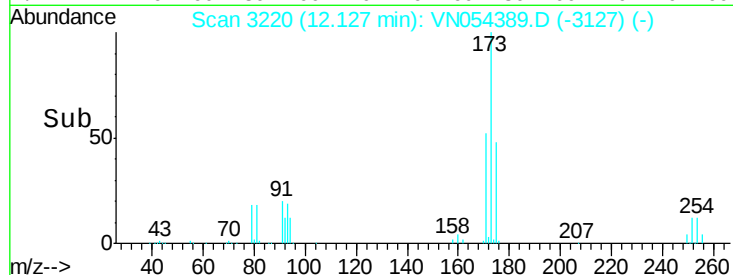
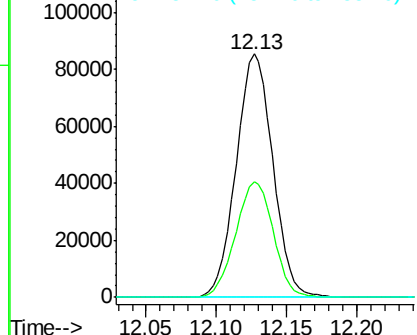
173 100

175 48.8 24.4 73.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

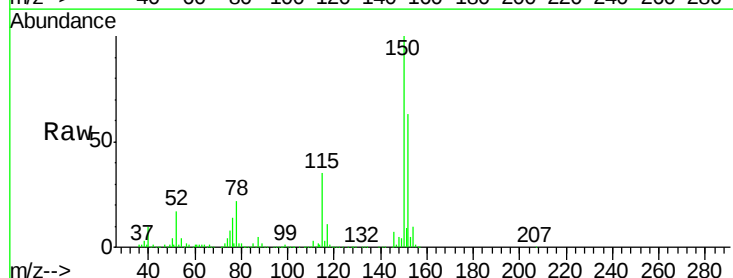
Tgt Ion:152 Resp: 687343

Ion Ratio Lower Upper

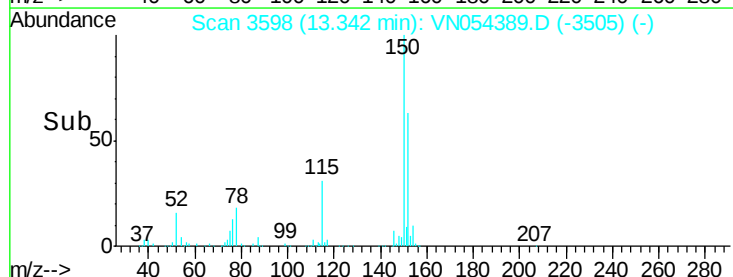
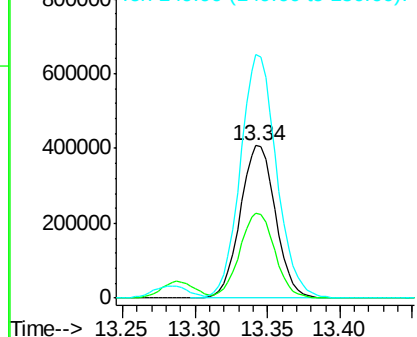
152 100

115 55.4 27.2 81.6

150 164.1 0.0 349.2



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





#73

Isopropylbenzene

Concen: 22.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

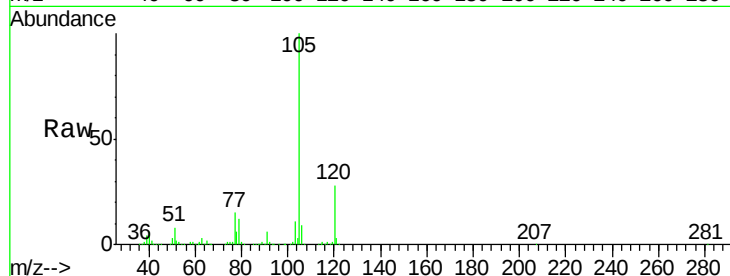
ClientSampleId :

Tot Ion:105 Resp: 1226767

Ion Ratio Lower Upper

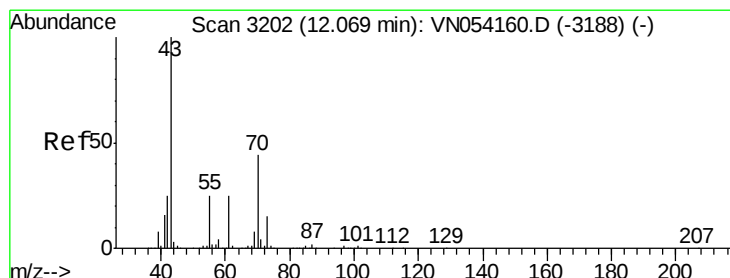
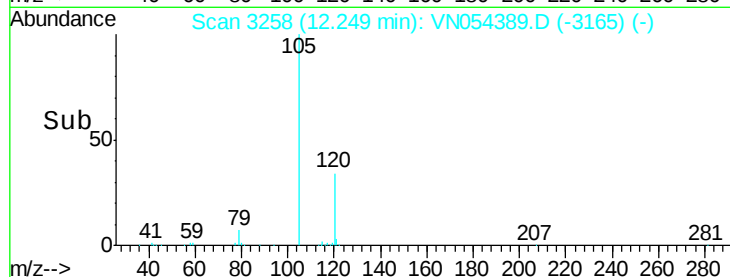
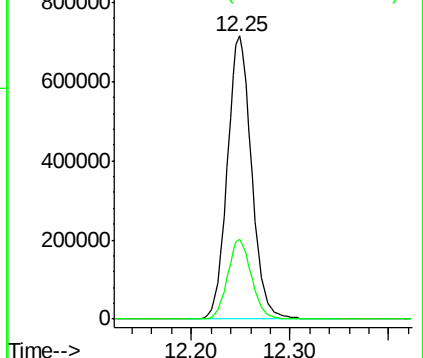
105 100

120 27.8 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: 21.128 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion: 43 Resp: 257891

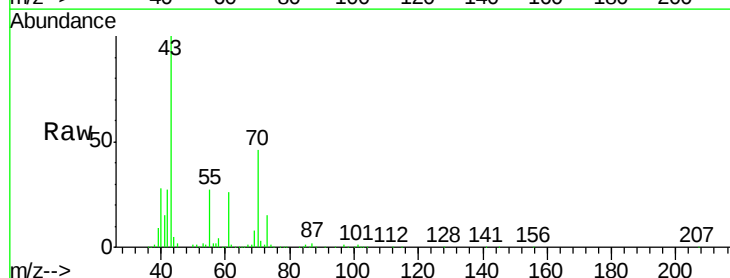
Ion Ratio Lower Upper

43 100

70 46.5 35.4 53.0

55 27.2 19.8 29.6

61 25.9 19.8 29.6

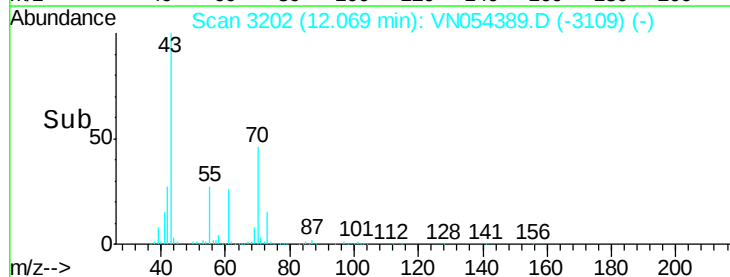
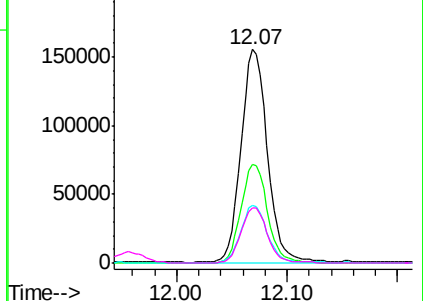


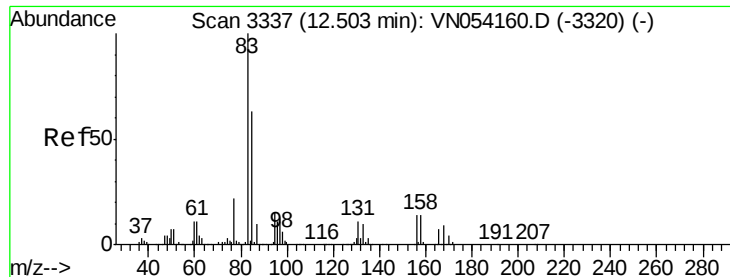
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.981 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

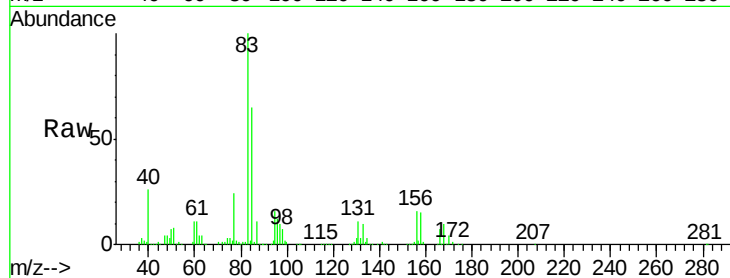
Tot Ion: 83 Resp: 280972

Ion Ratio Lower Upper

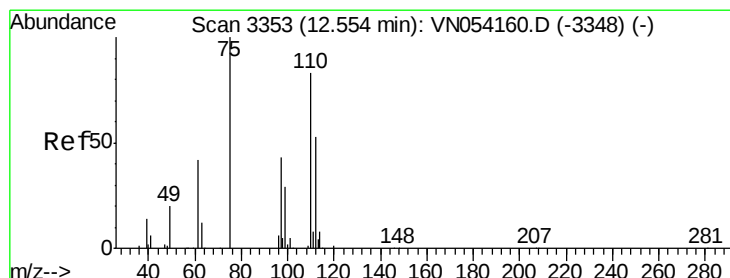
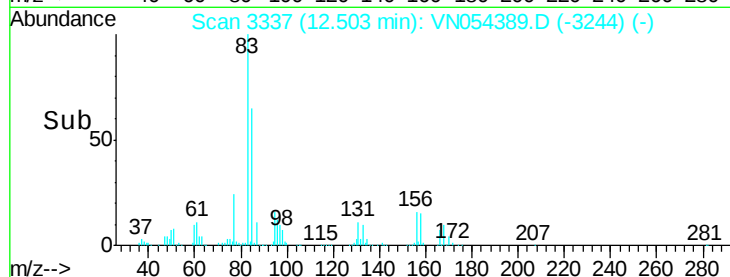
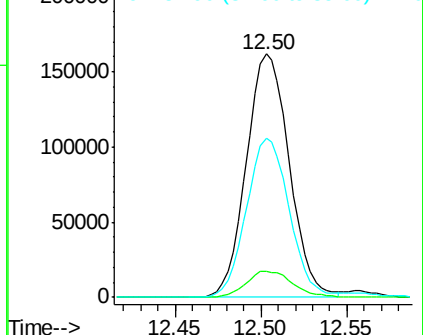
83 100

131 11.7 5.8 17.4

85 65.3 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: 31.180 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054389.D

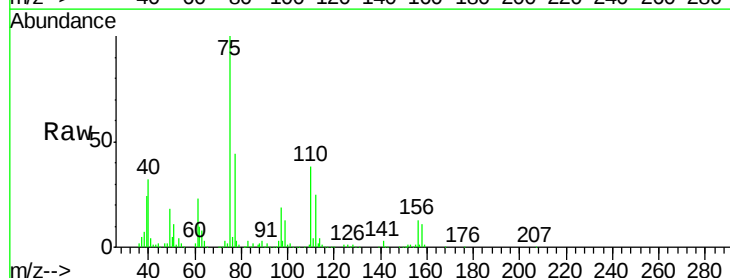
Acq: 18 Mar 2019 13:05

Tgt Ion: 75 Resp: 315157

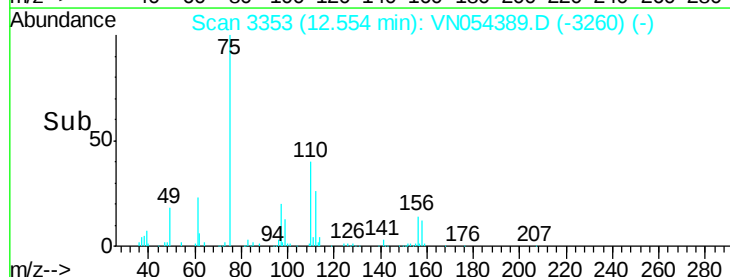
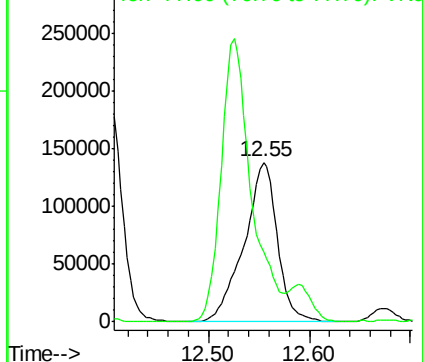
Ion Ratio Lower Upper

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: 24.058 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampled :

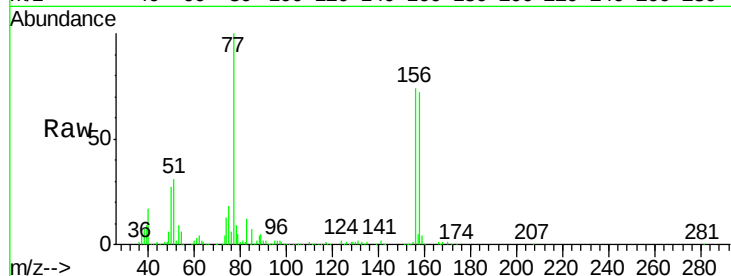
Tot Ion:156 Resp: 350082

Ion Ratio Lower Upper

156 100

77 146.8 81.5 244.4

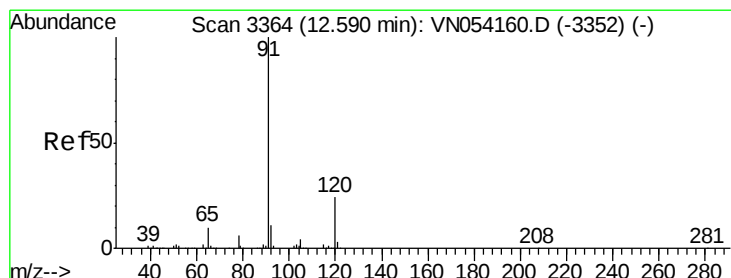
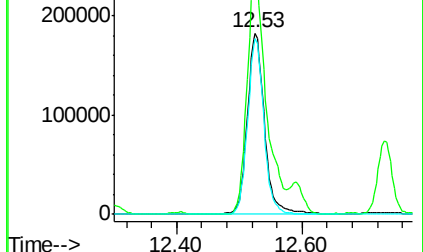
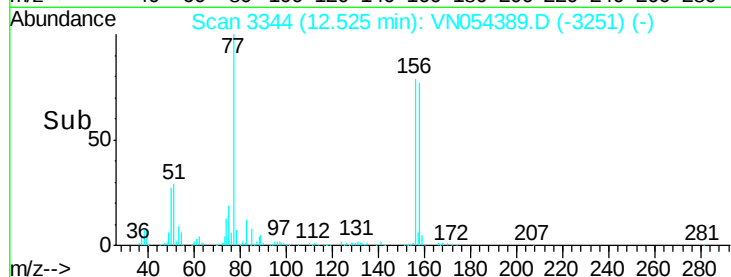
158 90.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.688 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054389.D

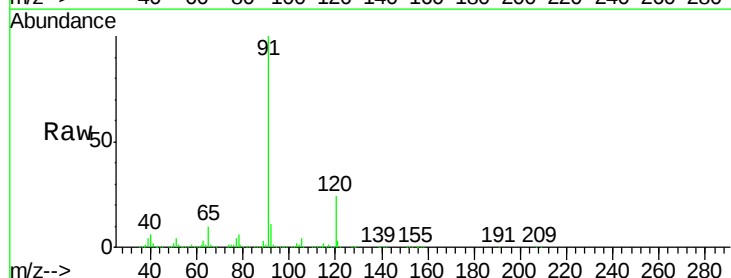
Acq: 18 Mar 2019 13:05

Tgt Ion: 91 Resp: 1294095

Ion Ratio Lower Upper

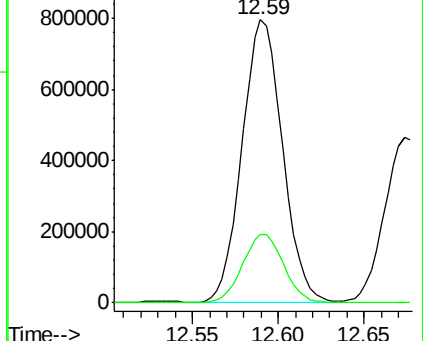
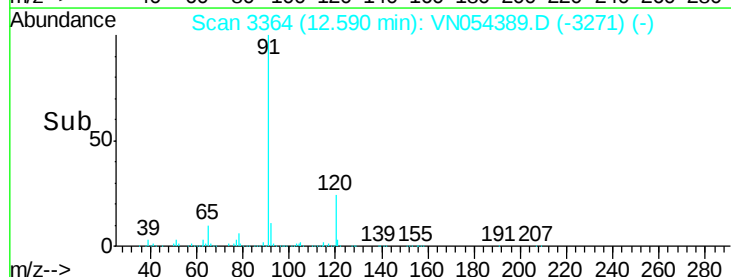
91 100

120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.386 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

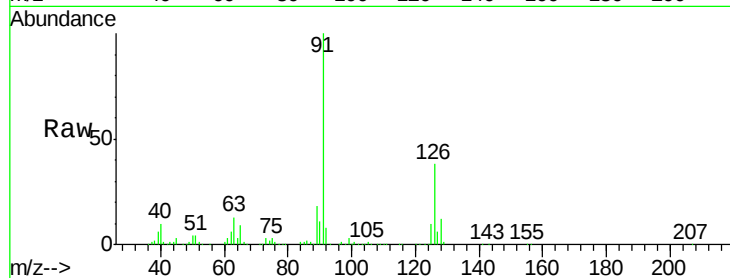
ClientSampleId :

Tot Ion: 91 Resp: 803153

Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054389.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN054389.D (-3397) (-)

600000

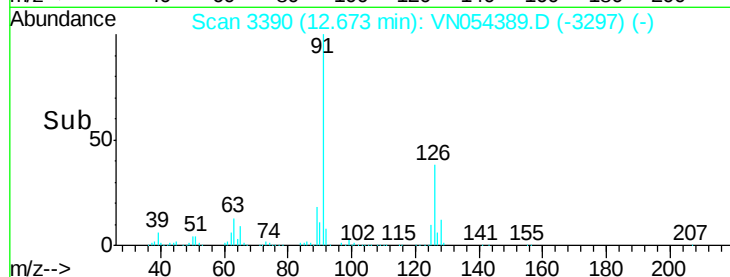
400000

200000

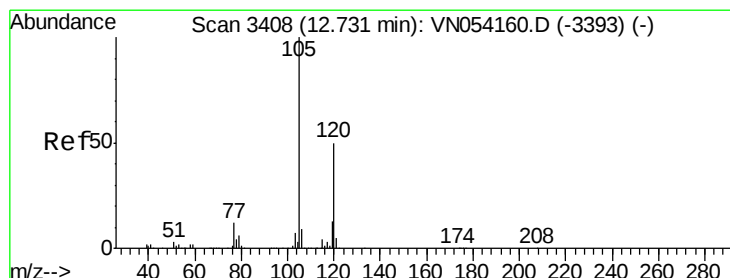
0

12.60 12.65 12.70

12.67



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.506 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054389.D

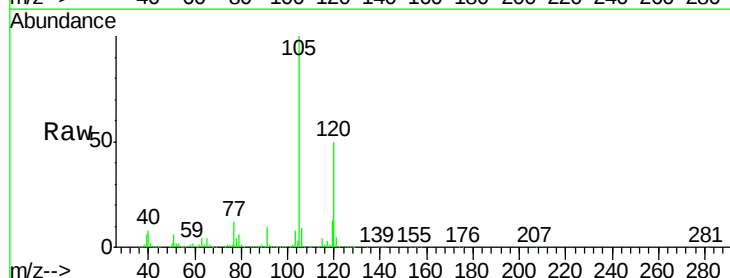
Acq: 18 Mar 2019 13:05

Tgt Ion:105 Resp: 983706

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054389.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054389.D (-3315) (-)

600000

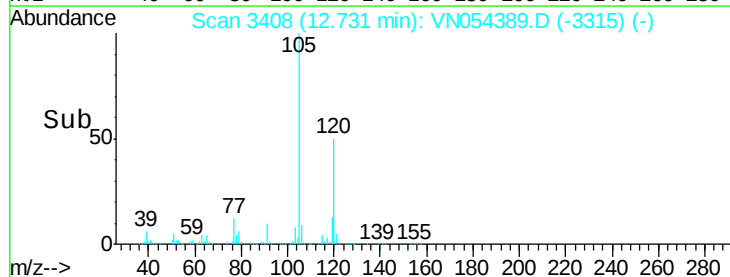
400000

200000

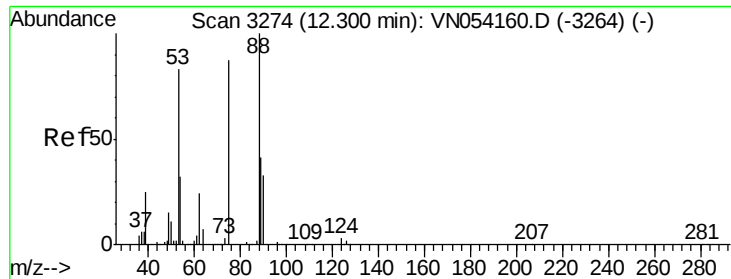
0

12.70 12.80

12.73



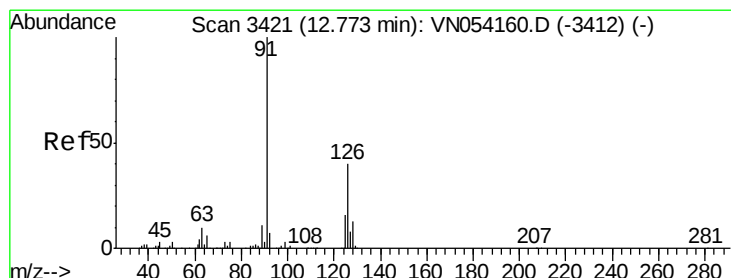
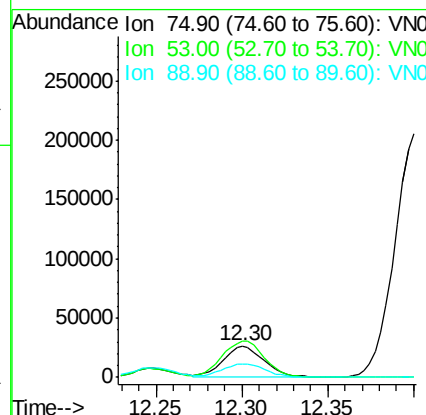
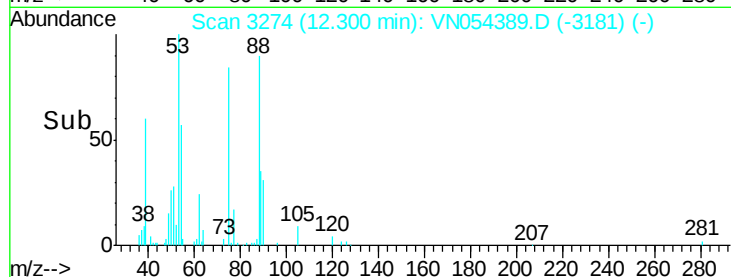
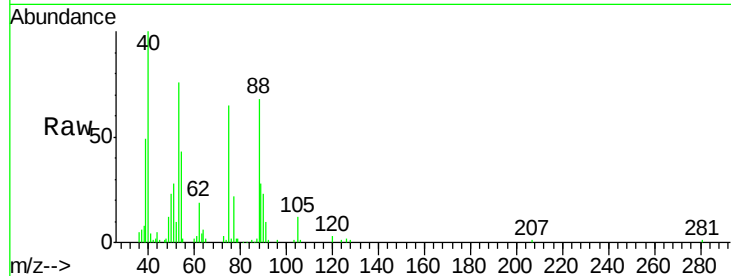
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 14.408 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

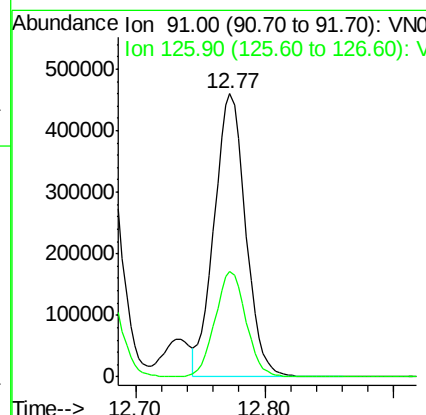
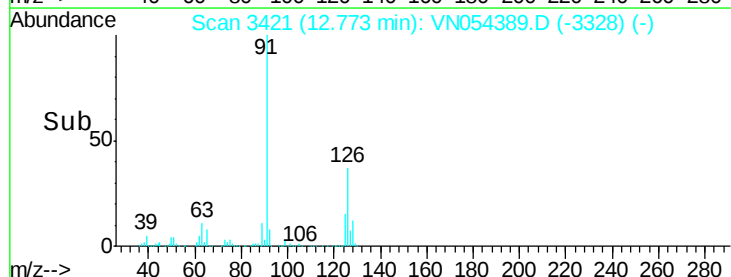
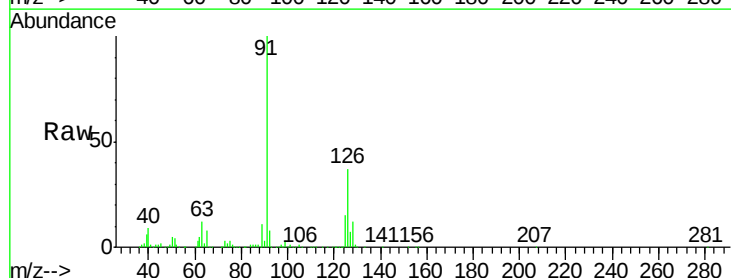
Instrument :
MSVOA_N
ClientSampled :

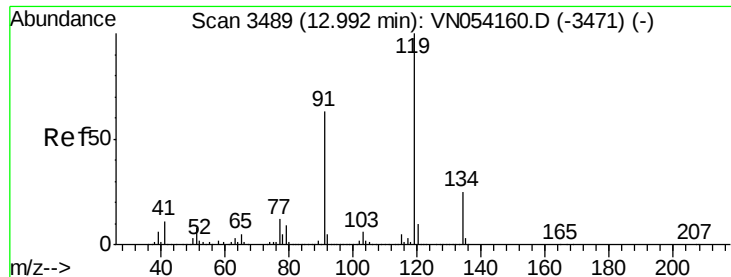
Tot Ion: 75 Resp: 42601
Ion Ratio Lower Upper
75 100
53 121.9 76.2 114.2#
89 46.8 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.655 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion: 91 Resp: 775786
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

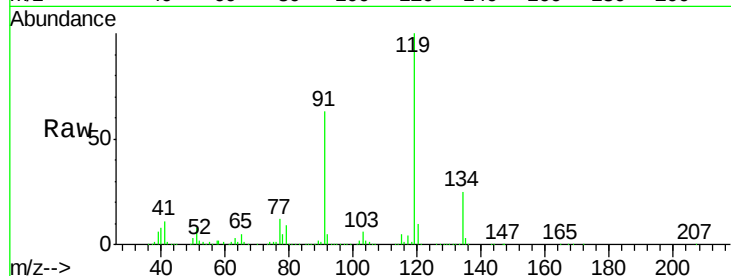




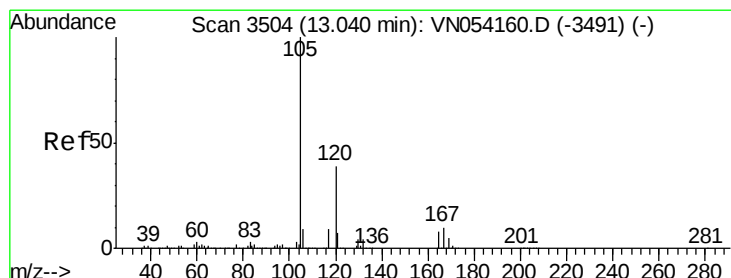
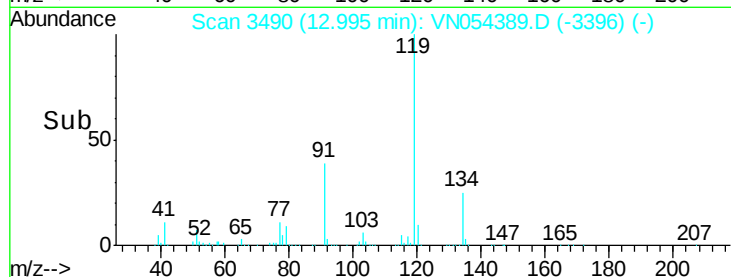
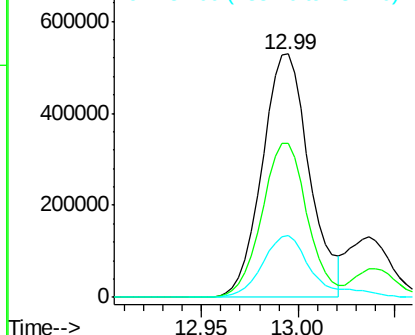
#83
tert-Butylbenzene
Concen: 21.425 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 902057
Ion Ratio Lower Upper
119 100
91 60.7 30.9 92.8
134 26.8 13.2 39.6

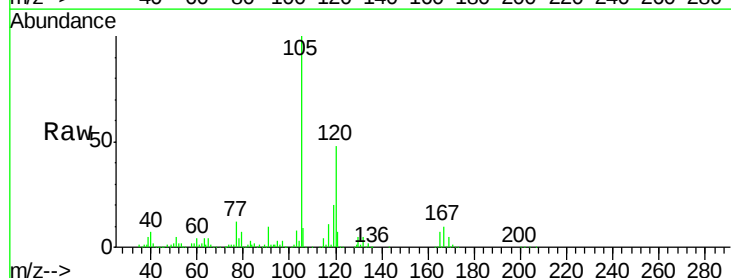


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

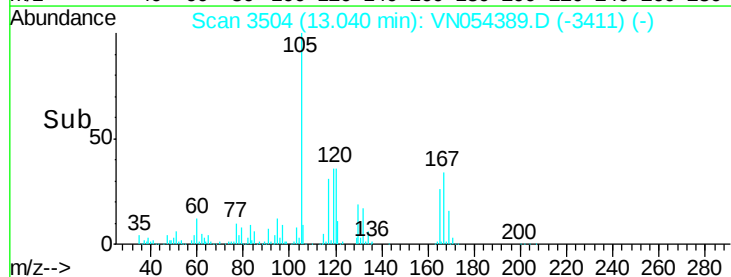
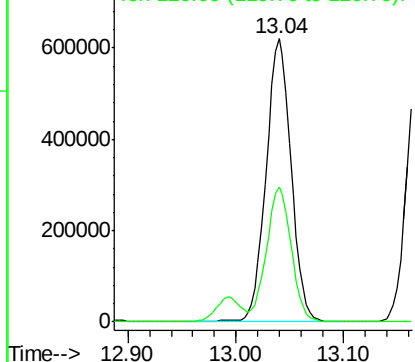


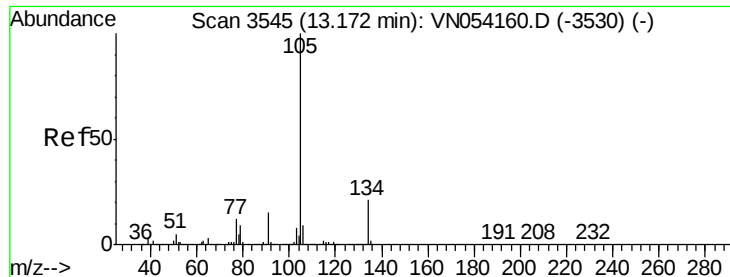
#84
1,2,4-Trimethylbenzene
Concen: 22.155 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054389.D
Acq: 18 Mar 2019 13:05

Tgt Ion:105 Resp: 994189
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.344 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

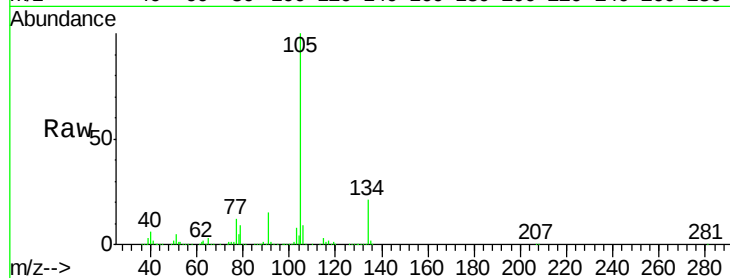
ClientSampled :

Tot Ion:105 Resp: 1110795

Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

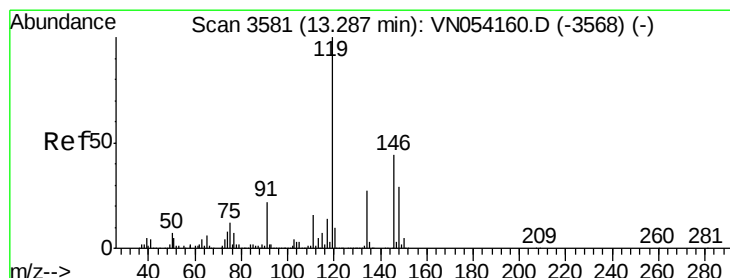
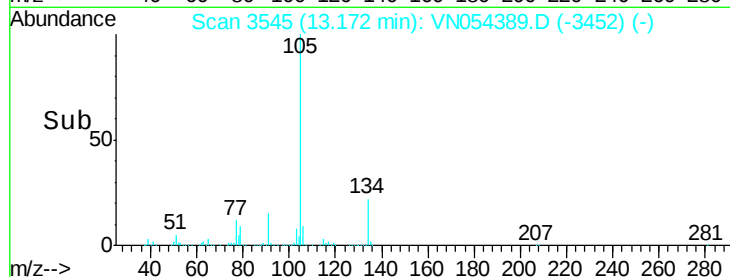
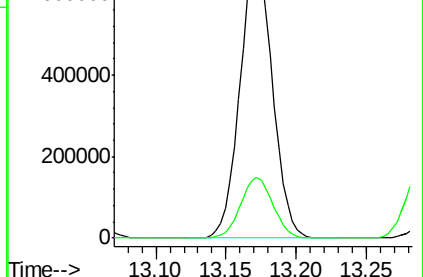
600000

400000

200000

0

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

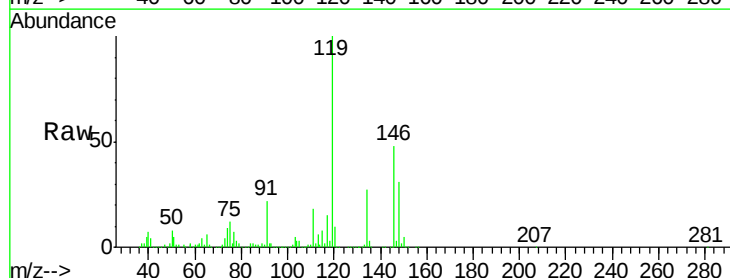
Tgt Ion:119 Resp: 946903

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 22.4 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

800000

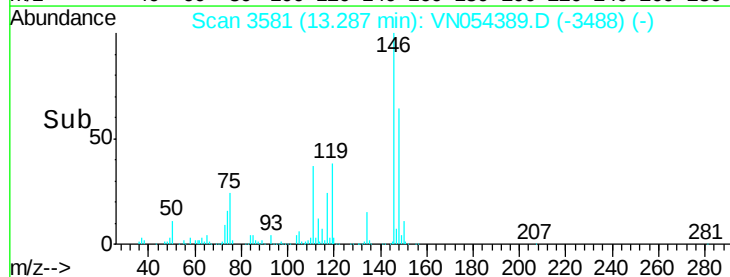
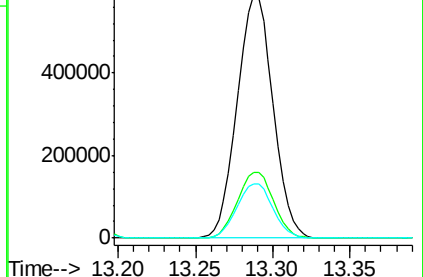
600000

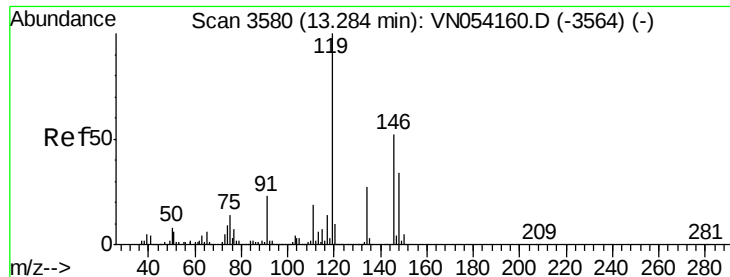
400000

200000

0

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 21.446 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

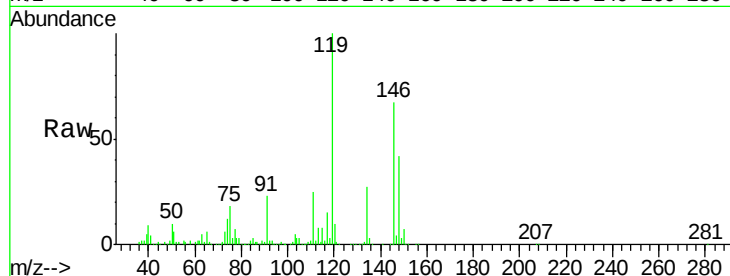
Tot Ion:146 Resp: 525853

Ion Ratio Lower Upper

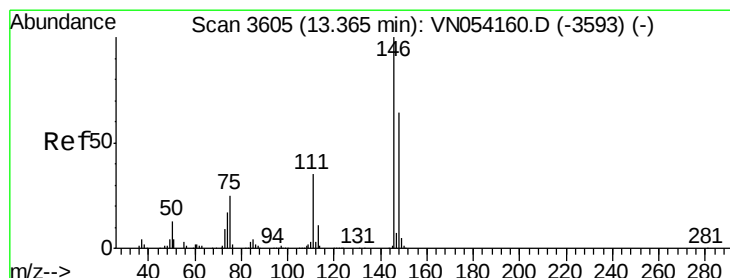
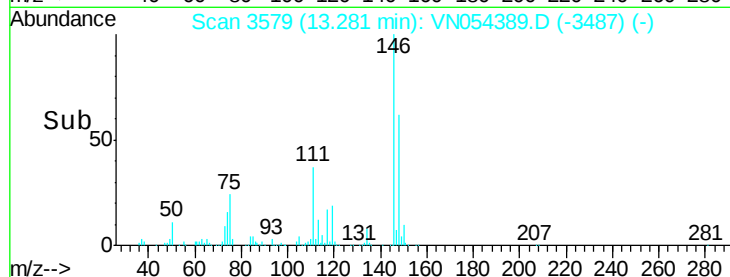
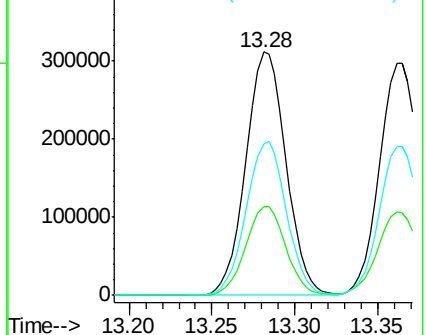
146 100

111 36.5 18.8 56.3

148 63.4 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: 20.912 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

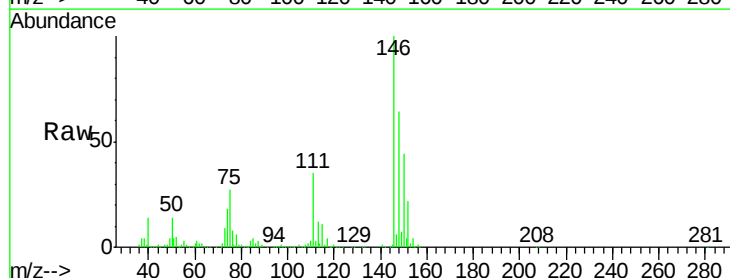
Tgt Ion:146 Resp: 503715

Ion Ratio Lower Upper

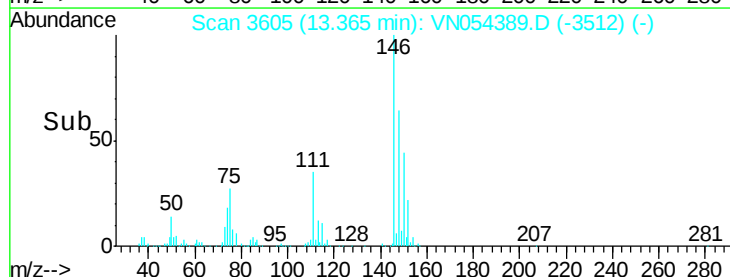
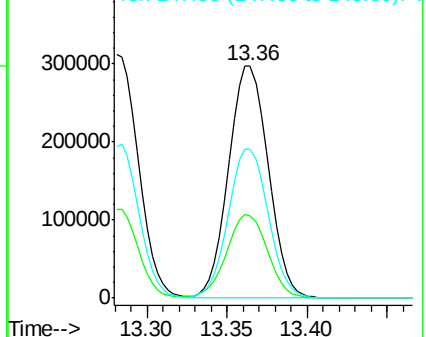
146 100

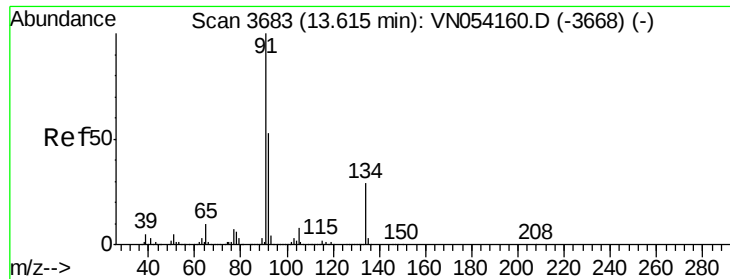
111 37.1 18.1 54.1

148 64.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.069 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

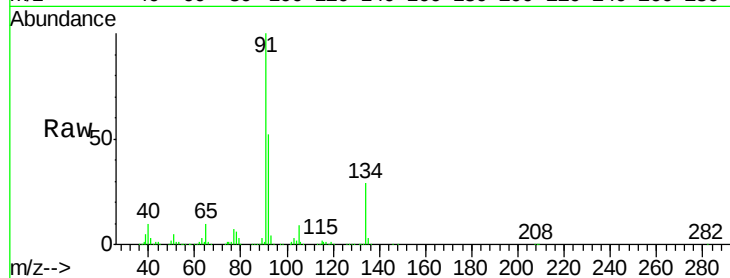
Tot Ion: 91 Resp: 657641

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

134 28.5 14.3 42.9

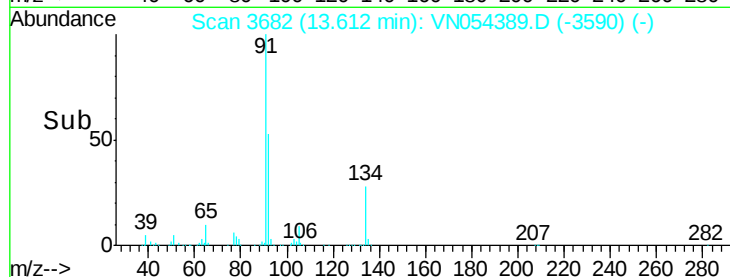


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

Time-->

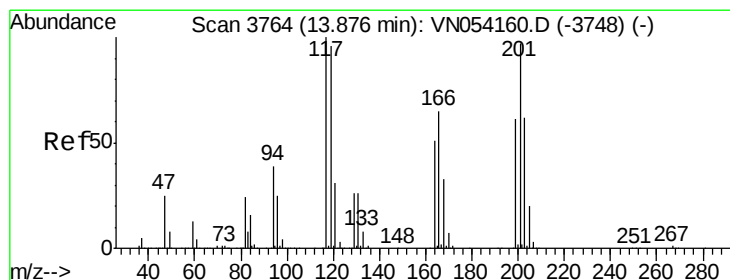


Abundance Ion 91.00 (90.70 to 91.70): VN054389.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054389.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054389.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 18.102 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054389.D

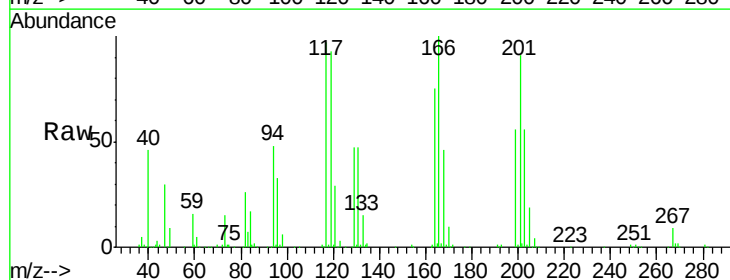
Acq: 18 Mar 2019 13:05

Tgt Ion: 117 Resp: 143584

Ion Ratio Lower Upper

117 100

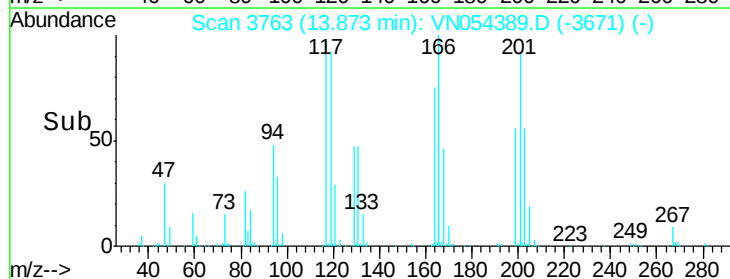
201 92.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054389.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054389.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 22.272 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Instrument :

MSVOA_N

ClientSampleId :

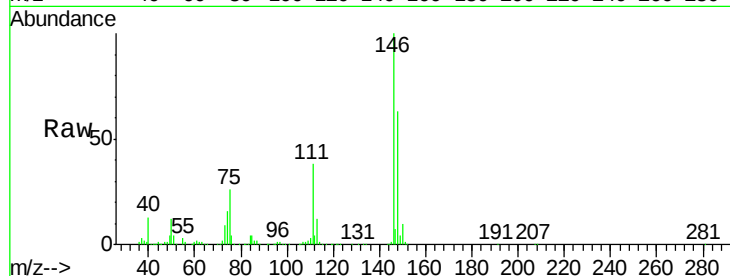
Tot Ion:146 Resp: 533875

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

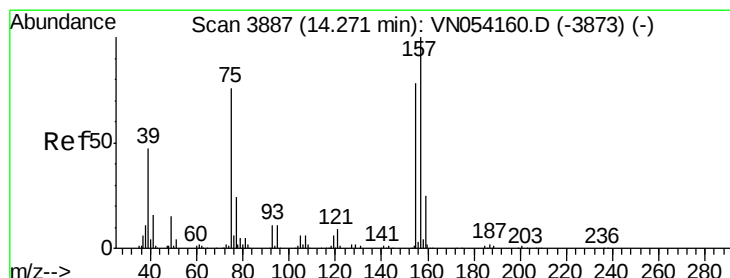
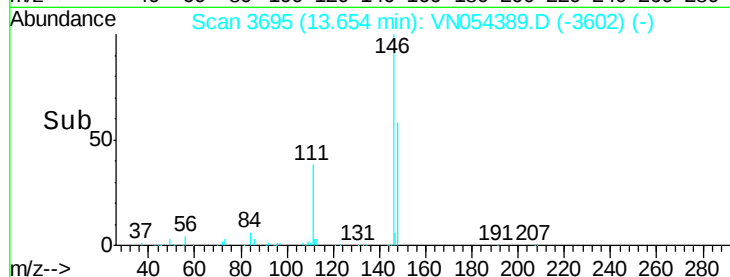
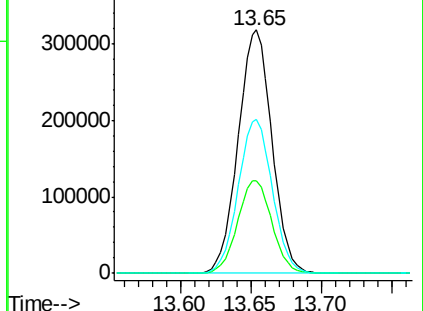
148 63.8 32.4 97.0



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: 20.457 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

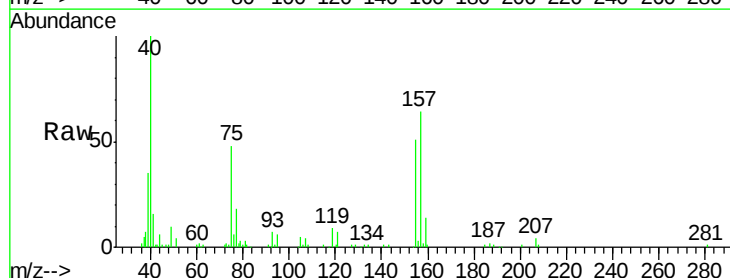
Tgt Ion: 75 Resp: 37089

Ion Ratio Lower Upper

75 100

155 100.5 50.1 150.3

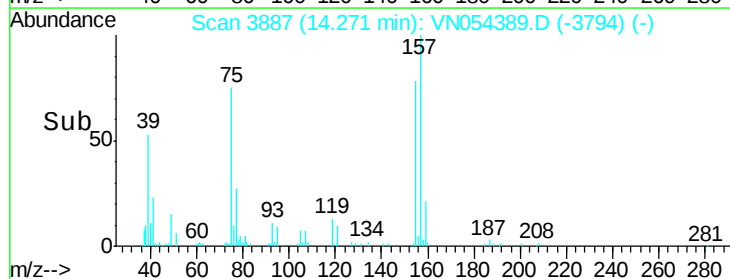
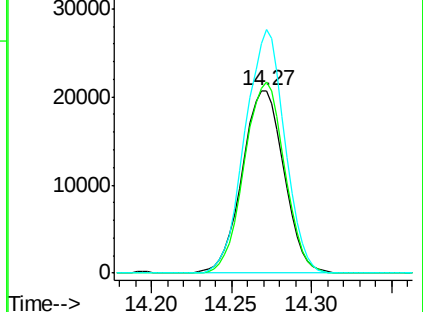
157 126.6 63.1 189.3

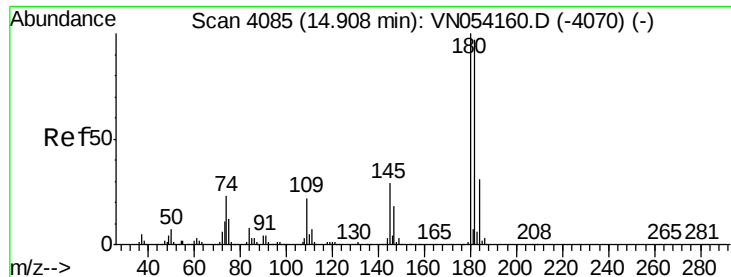


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

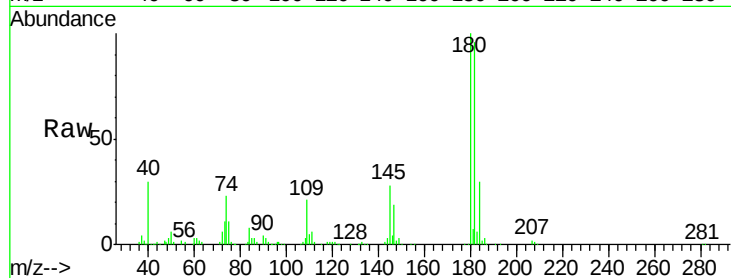




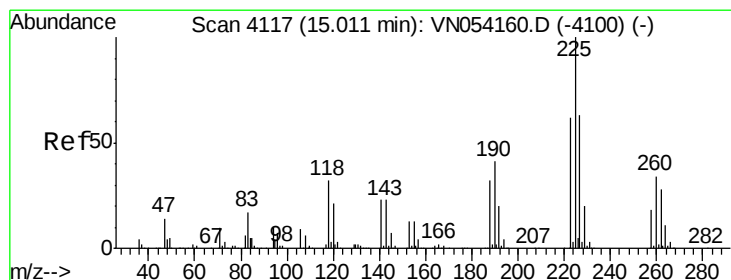
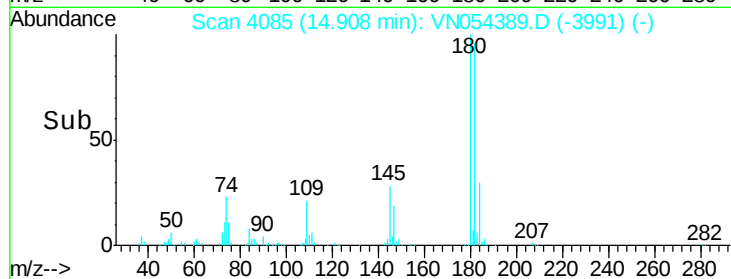
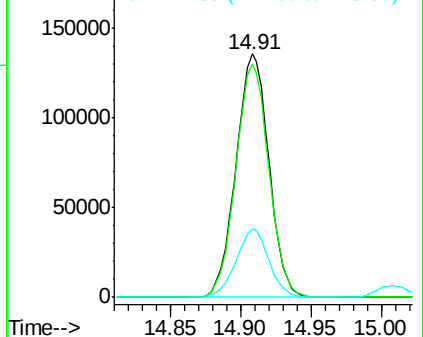
#93
 1,2,4-Trichlorobenzene
 Concen: 17.131 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 222703
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.2
 145 28.0 14.2 42.8

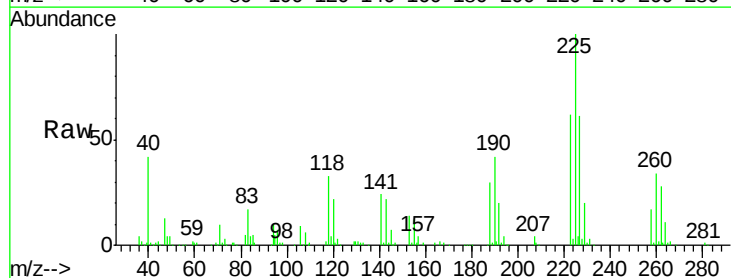


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

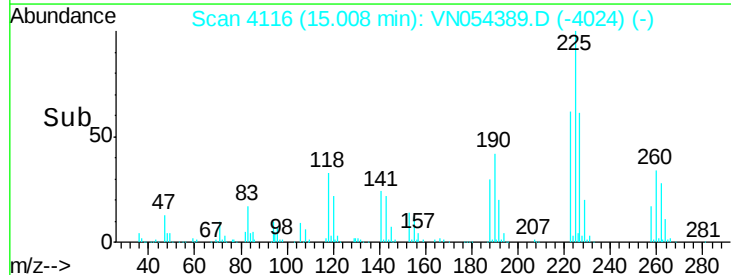
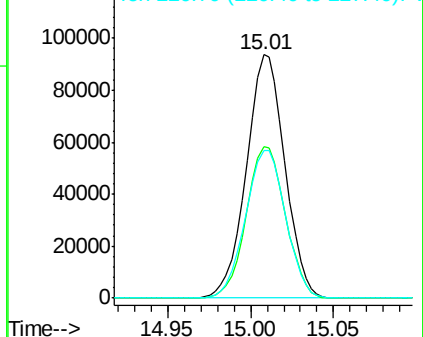


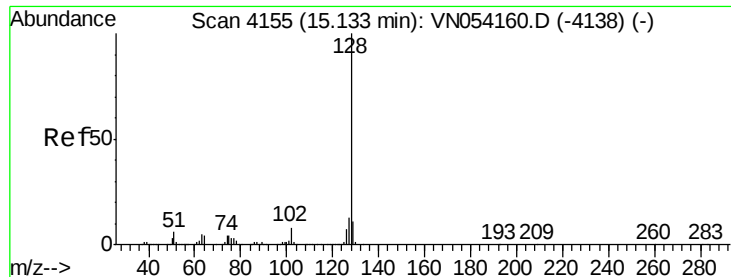
#94
 Hexachlorobutadiene
 Concen: 16.526 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054389.D
 Acq: 18 Mar 2019 13:05

Tgt Ion:225 Resp: 150890
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.5
 227 63.2 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: 19.204 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

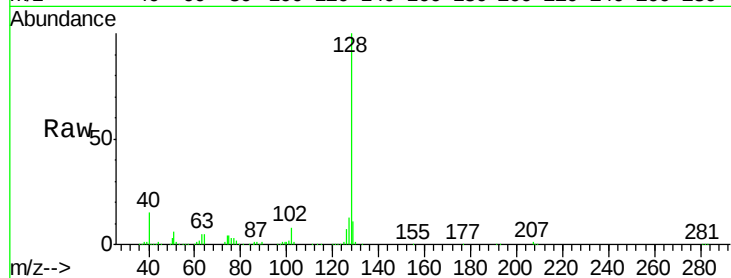
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 509715

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.8	8.7	13.1

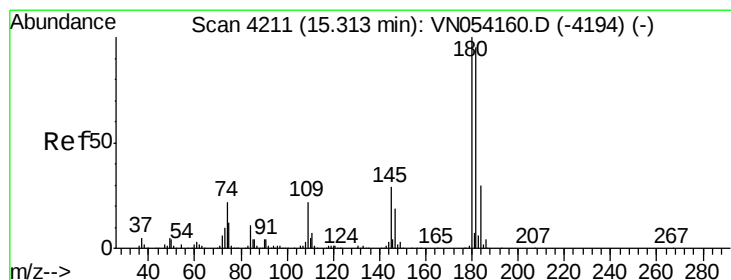
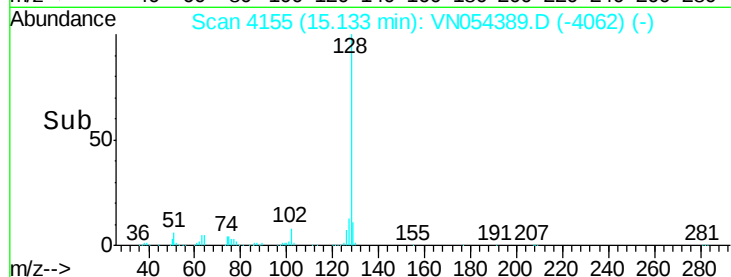
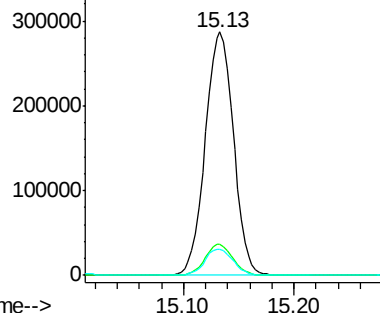


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.264 ug/l

RT: 15.31 min Scan# 4211

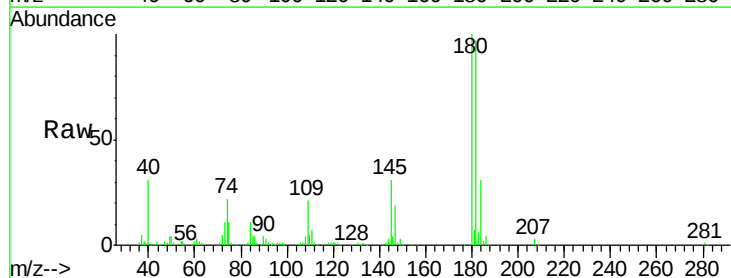
Delta R.T. 0.00 min

Lab File: VN054389.D

Acq: 18 Mar 2019 13:05

Tgt Ion:180 Resp: 232618

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.6
145	30.3	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

