

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054321.D
 Acq On : 15 Mar 2019 20:33
 Operator : JC/SP
 Sample : VN0315WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

Quant Time: Mar 16 03:24:05 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	7.67	168	1334492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2017164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1746444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	783337	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	725766	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	670445	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
50) Toluene-d8	10.09	98	2383576	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	798459	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	254254	20.103	ug/l	99
3) Chloromethane	2.06	50	230027	18.723	ug/l	98
4) Vinyl Chloride	2.19	62	274945	19.580	ug/l	99
5) Bromomethane	2.57	94	176833	18.183	ug/l	98
6) Chloroethane	2.71	64	166003	19.539	ug/l	100
7) Trichlorofluoromethane	3.02	101	363532	19.472	ug/l	98
8) Diethyl Ether	3.41	74	190407	22.381	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	283777	20.284	ug/l	100
10) Methyl Iodide	3.94	142	388134	20.448	ug/l	98
11) Tert butyl alcohol	4.83	59	105200	108.278	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	294209	21.221	ug/l	96
13) Acrolein	3.61	56	62555	67.946	ug/l	99
14) Allyl chloride	4.32	41	342283	19.242	ug/l	100
15) Acrylonitrile	5.00	53	474813	118.973	ug/l	99
16) Acetone	3.82	43	351748	86.683	ug/l	99
17) Carbon Disulfide	4.04	76	646172	18.592	ug/l	100
18) Methyl Acetate	4.33	43	220951	26.913	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	768126	22.352	ug/l	99
20) Methylene Chloride	4.55	84	287214	21.556	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	273028	20.554	ug/l	98
22) Diisopropyl ether	5.96	45	746443	21.026	ug/l	98
23) Vinyl Acetate	5.90	43	2691471	102.824	ug/l	99
24) 1,1-Dichloroethane	5.85	63	487038	21.366	ug/l	99
25) 2-Butanone	6.85	43	546357	114.716	ug/l	98
26) 2,2-Dichloropropane	6.82	77	279062	13.921	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	320424	21.622	ug/l	95
28) Bromochloromethane	7.19	49	204626	21.958	ug/l	96
29) Tetrahydrofuran	7.22	42	370688	121.051	ug/l	98
30) Chloroform	7.37	83	514444	21.628	ug/l	99
31) Cyclohexane	7.65	56	415906	18.748	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	436404	20.315	ug/l	100
36) 1,1-Dichloropropene	7.79	75	366350	19.721	ug/l	98
37) Ethyl Acetate	6.94	43	238463	22.341	ug/l	98
38) Carbon Tetrachloride	7.77	117	373490	19.172	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

Quant Time: Mar 16 03:24:05 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	405161	17.727	ug/l	98
40) Benzene	8.04	78	1117311	21.019	ug/l	100
41) Methacrylonitrile	7.18	41	131347	21.552	ug/l	97
42) 1,2-Dichloroethane	8.13	62	376752	20.992	ug/l	98
43) Isopropyl Acetate	8.17	43	390083	20.821	ug/l	98
44) Trichloroethene	8.83	130	354265	21.453	ug/l	96
45) 1,2-Dichloropropane	9.12	63	287483	21.780	ug/l	100
46) Dibromomethane	9.21	93	193622	21.710	ug/l	100
47) Bromodichloromethane	9.40	83	362162	20.256	ug/l	97
48) Methyl methacrylate	9.20	41	208670	21.947	ug/l	97
49) 1,4-Dioxane	9.21	88	67235	499.933	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1162527	117.251	ug/l	97
52) Toluene	10.16	92	703675	20.877	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315350	16.794	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	389796	18.709	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	274742	22.324	ug/l	99
56) Ethyl methacrylate	10.43	69	319683	21.784	ug/l	97
57) 1,3-Dichloropropane	10.71	76	443200	22.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	611307	106.383	ug/l	99
59) 2-Hexanone	10.75	43	740808	112.289	ug/l	99
60) Dibromochloromethane	10.90	129	276499	19.960	ug/l	99
61) 1,2-Dibromoethane	11.01	107	280292	22.411	ug/l	100
64) Tetrachloroethene	10.63	164	345992	20.491	ug/l	97
65) Chlorobenzene	11.43	112	802097	20.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	288890	20.738	ug/l	99
67) Ethyl Benzene	11.51	91	1293866	20.354	ug/l	100
68) m/p-Xylenes	11.62	106	1034628	41.643	ug/l	98
69) o-Xylene	11.95	106	514395	21.239	ug/l	98
70) Styrene	11.96	104	789957	20.797	ug/l	100
71) Bromoform	12.13	173	182608	18.738	ug/l #	99
73) Isopropylbenzene	12.25	105	1339684	21.376	ug/l	100
74) N-amyl acetate	12.07	43	302065	21.714	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	322588	24.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	356119	30.915	ug/l #	100
77) Bromobenzene	12.53	156	360130	21.716	ug/l	97
78) n-propylbenzene	12.59	91	1386222	20.385	ug/l	100
79) 2-Chlorotoluene	12.68	91	870603	21.292	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1068650	20.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47990	14.241	ug/l #	79
82) 4-Chlorotoluene	12.77	91	843408	20.658	ug/l	99
83) tert-Butylbenzene	12.99	119	975132	20.323	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1074132	21.003	ug/l	99
85) sec-Butylbenzene	13.17	105	1212396	19.484	ug/l	100
86) p-Isopropyltoluene	13.29	119	1040507	19.060	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	582523	20.846	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	570114	20.768	ug/l	100
89) n-Butylbenzene	13.62	91	730694	17.616	ug/l	100
90) Hexachloroethane	13.88	117	152863	16.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	597545	21.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46465	22.488	ug/l	97

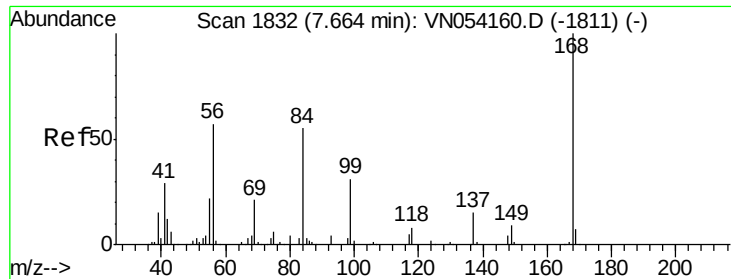
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
Data File : VN054321.D
Acq On : 15 Mar 2019 20:33
Operator : JC/SP
Sample : VN0315WBSD01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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VN0315WBSD01

Quant Time: Mar 16 03:24:05 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	268198	17.960	ug/l	98
94) Hexachlorobutadiene	15.01	225	168913	16.233	ug/l	99
95) Naphthalene	15.13	128	644523	20.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	279939	19.286	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

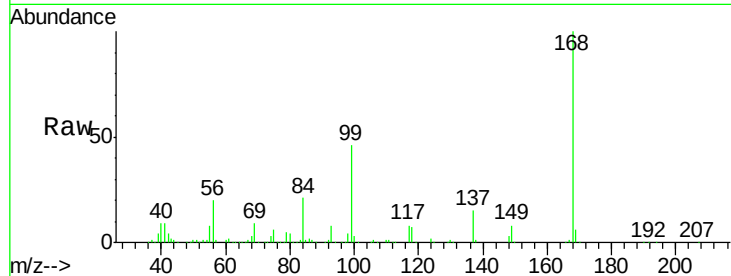
VN0315WBSD01

Tot Ion:168 Resp: 1334492

Ion Ratio Lower Upper

168 100

99 46.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

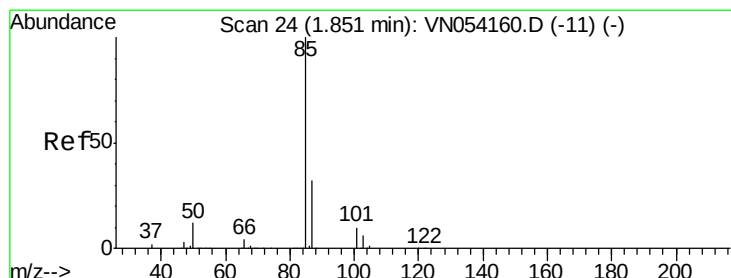
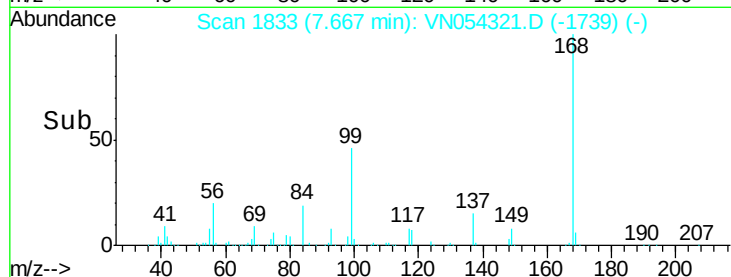
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.103 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054321.D

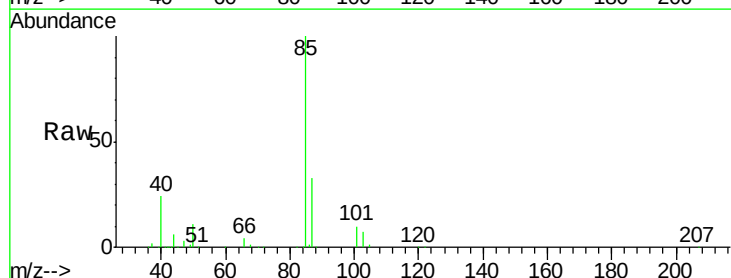
Acq: 15 Mar 2019 20:33

Tgt Ion: 85 Resp: 254254

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

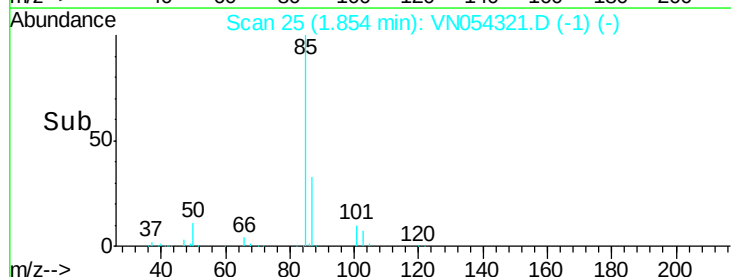
150000

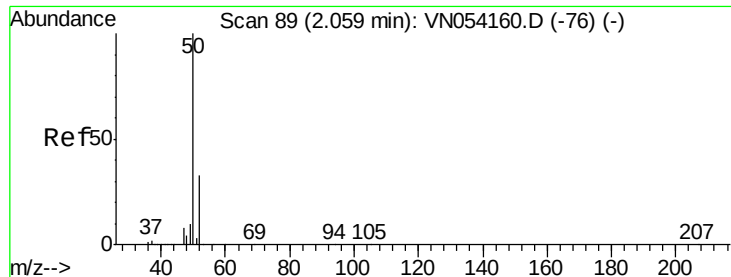
100000

50000

0

Time-->





#3

Chloromethane

Concen: 18.723 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

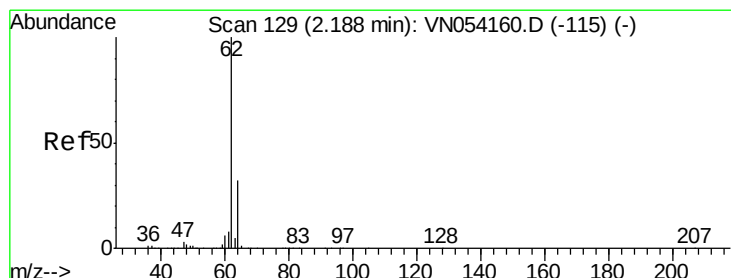
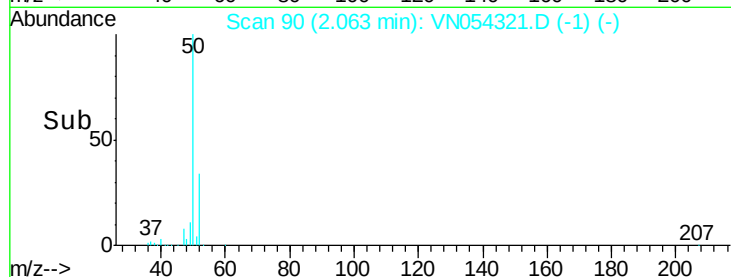
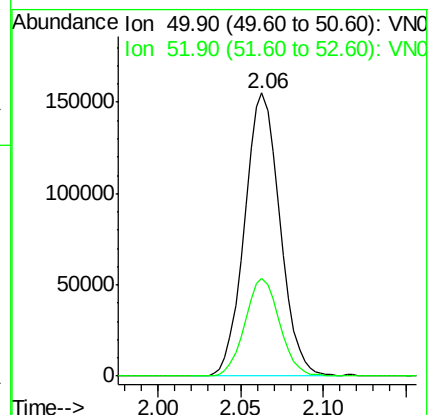
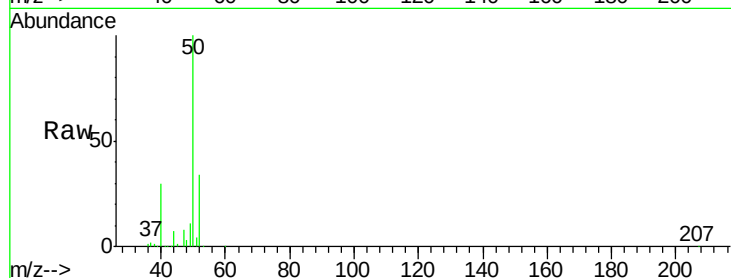
VN0315WBSD01

Tot Ion: 50 Resp: 230027

Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6



#4

Vinyl Chloride

Concen: 19.580 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054321.D

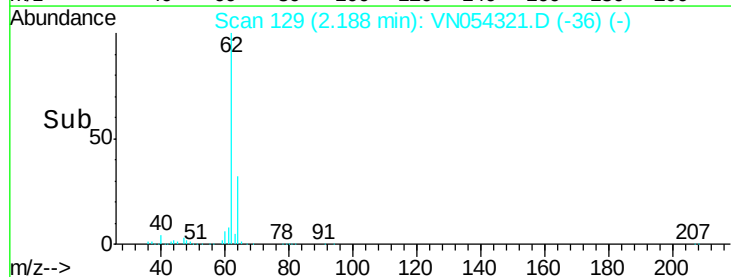
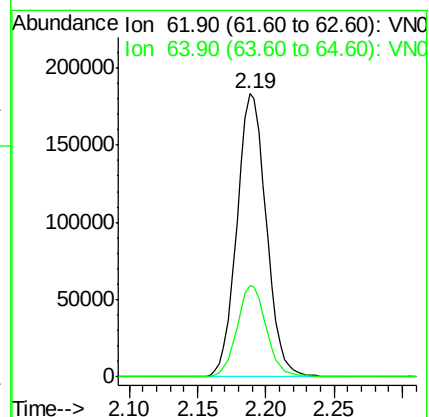
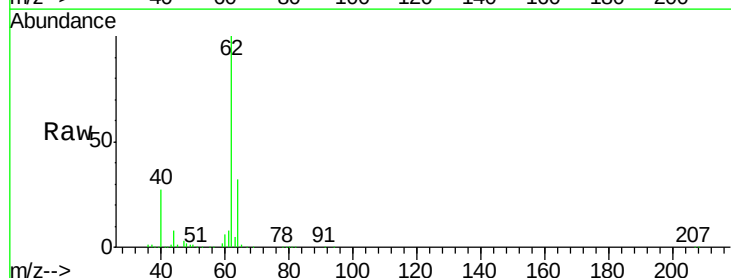
Acq: 15 Mar 2019 20:33

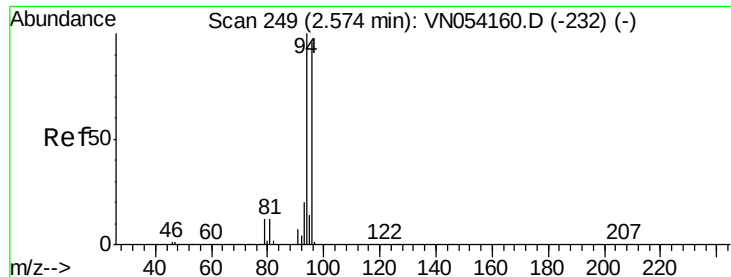
Tgt Ion: 62 Resp: 274945

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 18.183 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

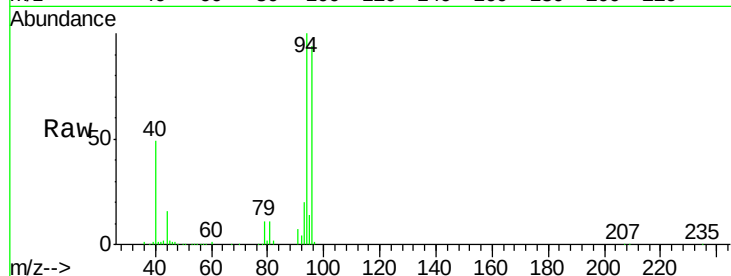
VN0315WBSD01

Tot Ion: 94 Resp: 176833

Ion Ratio Lower Upper

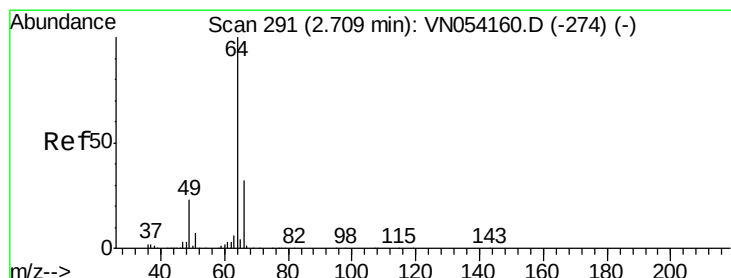
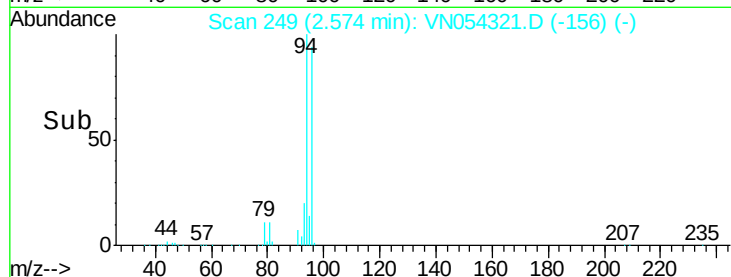
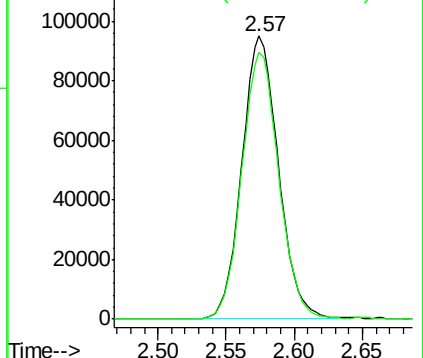
94 100

96 94.1 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: 19.539 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054321.D

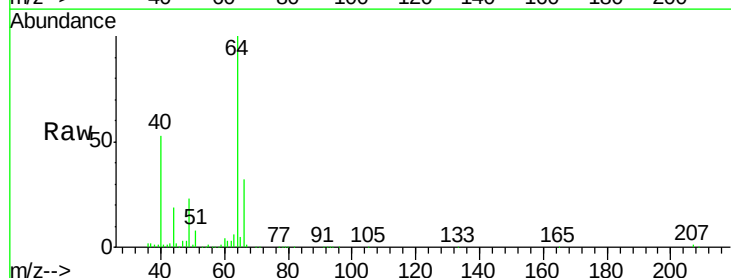
Acq: 15 Mar 2019 20:33

Tgt Ion: 64 Resp: 166003

Ion Ratio Lower Upper

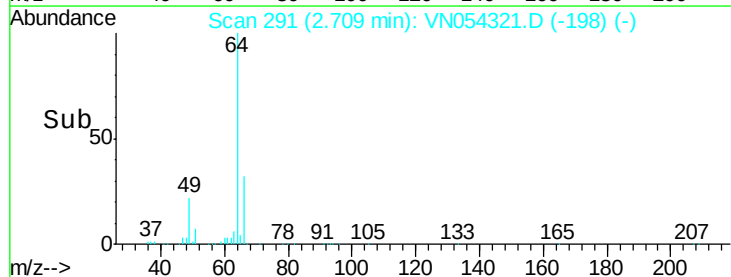
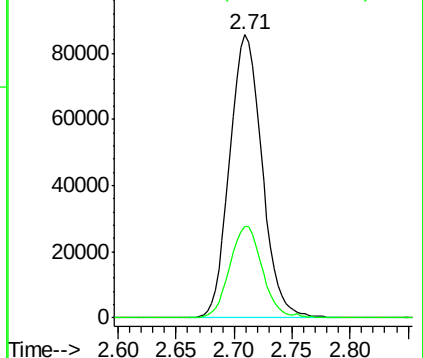
64 100

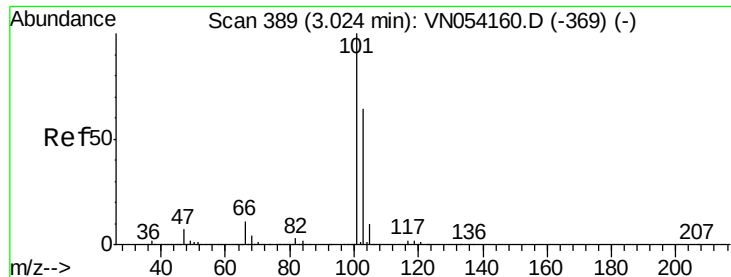
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



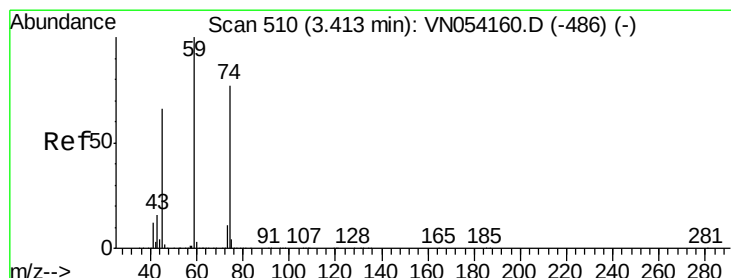
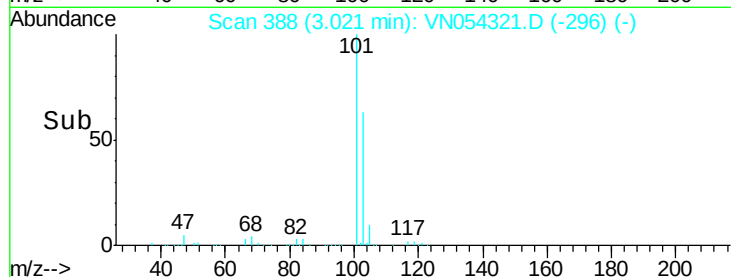
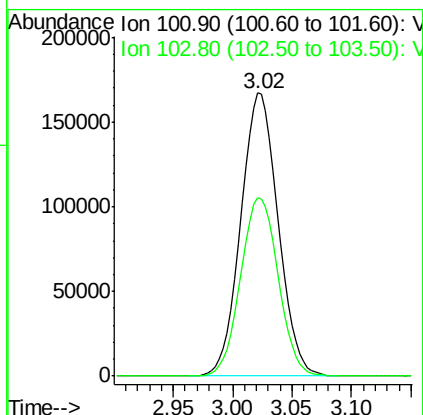
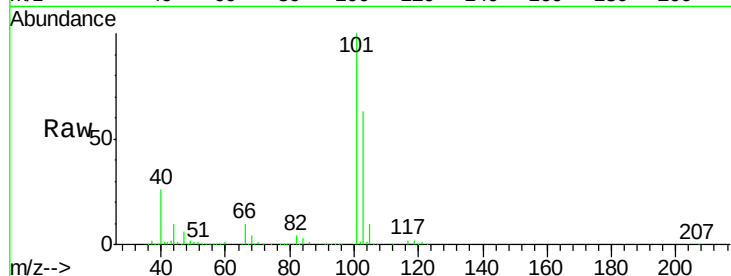


#7

Trichlorofluoromethane
 Concen: 19.472 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

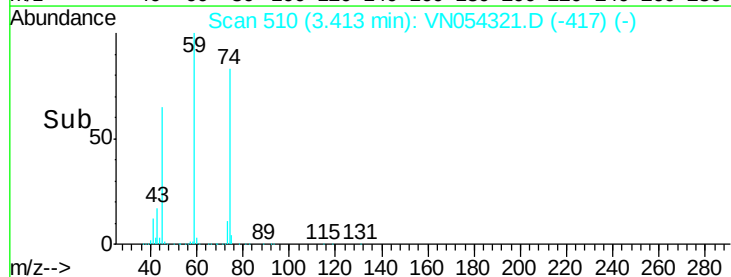
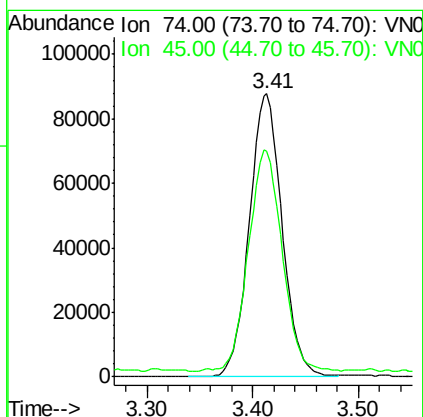
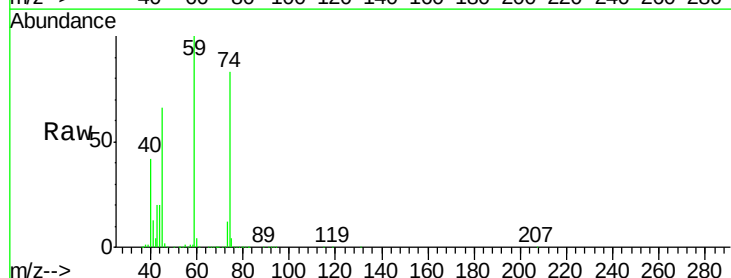
Tot Ion:101 Resp: 363532
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.4 77.2

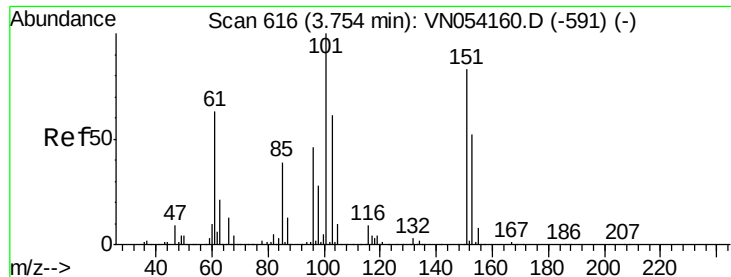


#8

Diethyl Ether
 Concen: 22.381 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 74 Resp: 190407
 Ion Ratio Lower Upper
 74 100
 45 80.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VN0315WBSD01

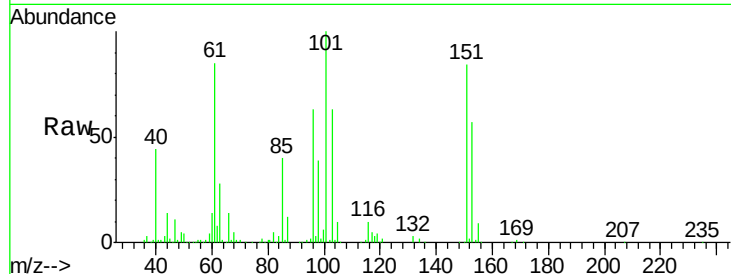
Tot Ion:101 Resp: 283777

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

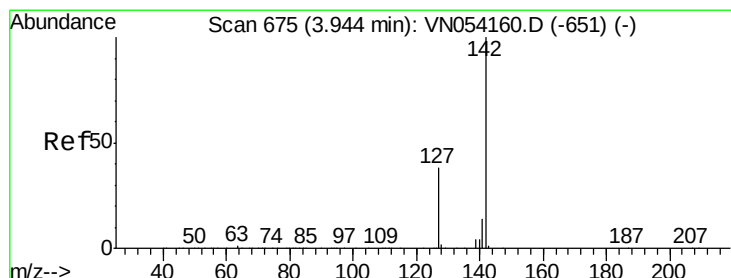
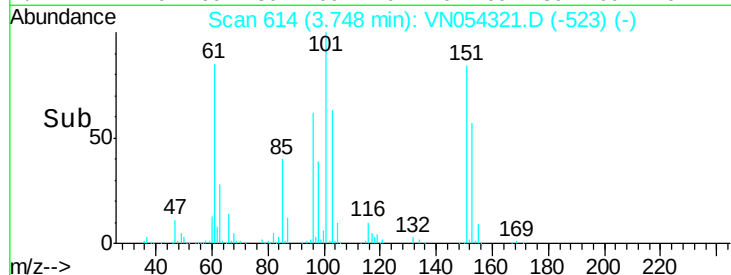
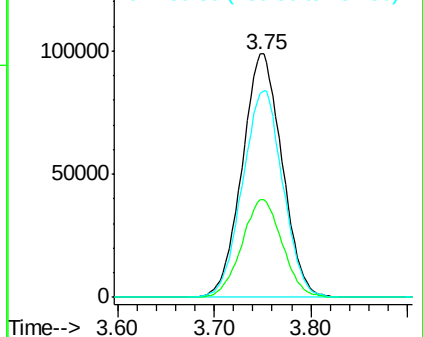
151 85.7 68.2 102.2



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: 20.448 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

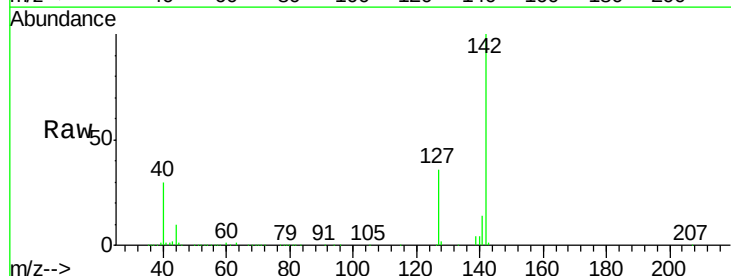
Tgt Ion:142 Resp: 388134

Ion Ratio Lower Upper

142 100

127 36.5 30.3 45.5

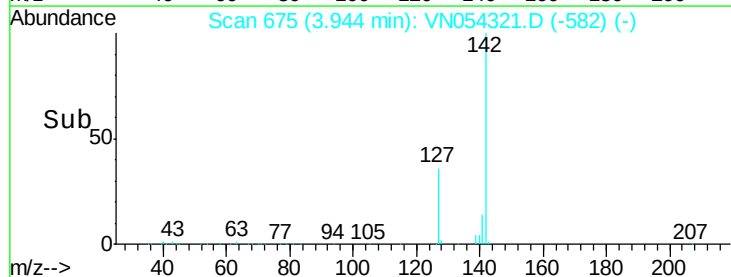
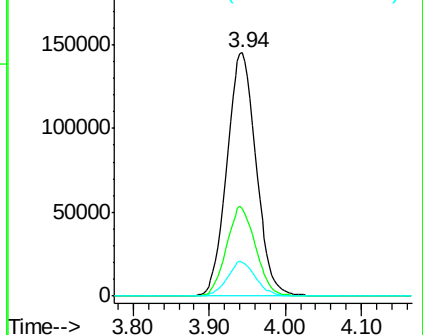
141 13.8 11.2 16.8

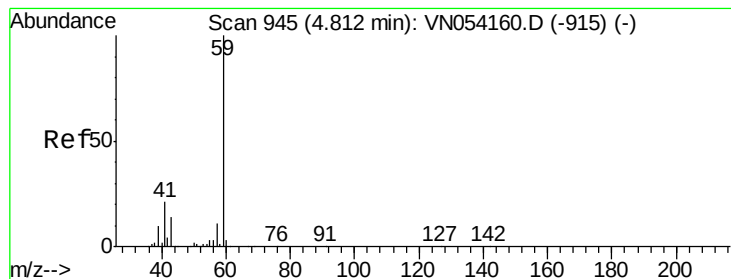


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



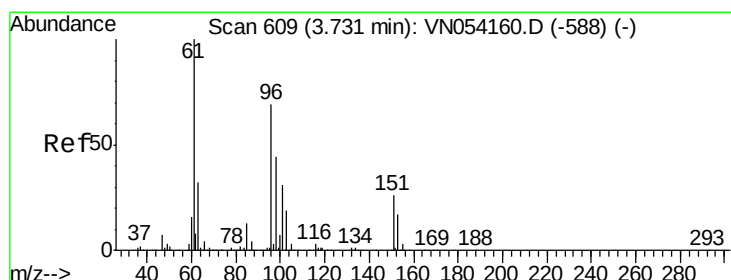
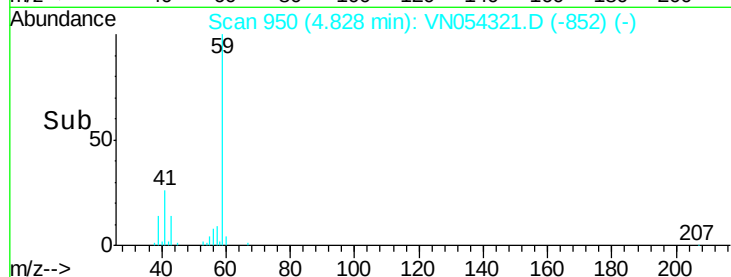
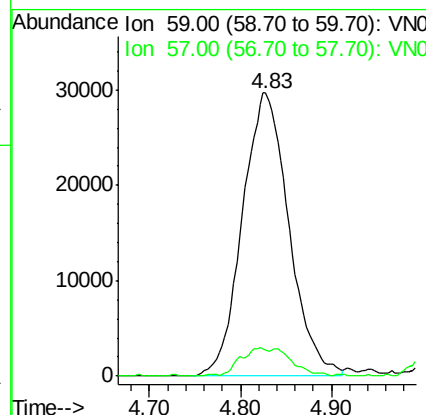
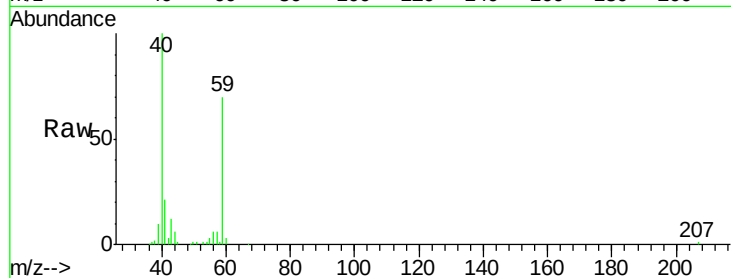


#11

Tert butyl alcohol
 Concen: 108.278 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.02 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

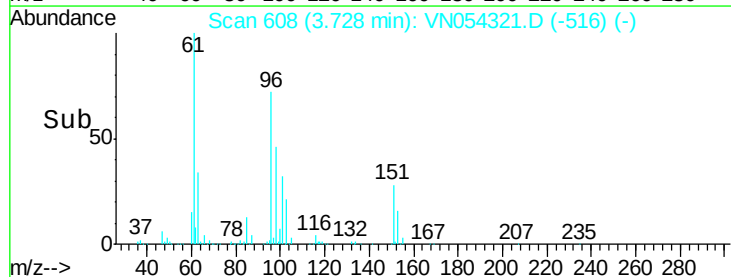
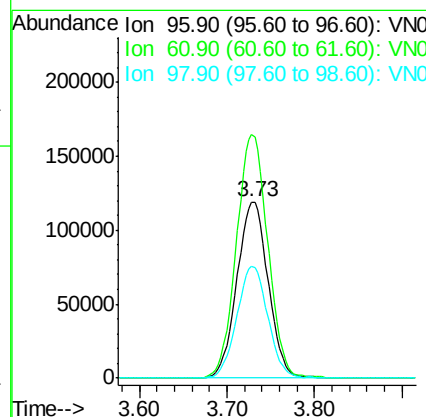
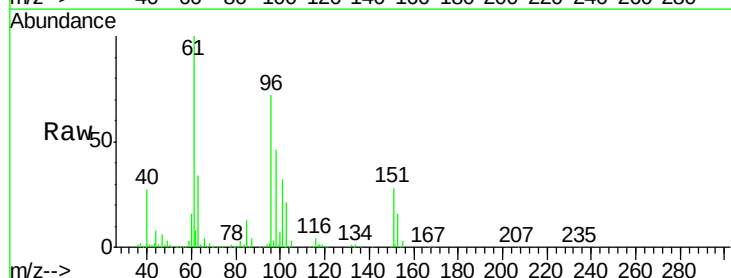
Tot Ion: 59 Resp: 105200
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.6#

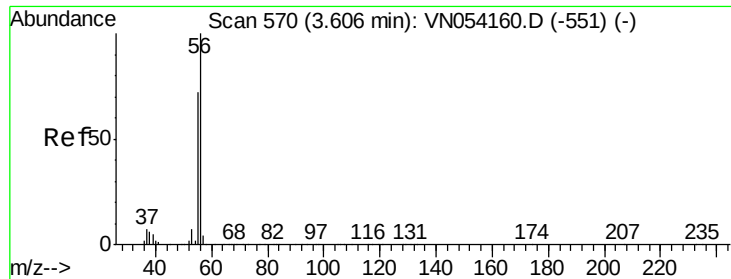


#12

1,1-Dichloroethene
 Concen: 21.221 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 96 Resp: 294209
 Ion Ratio Lower Upper
 96 100
 61 138.3 116.5 174.7
 98 63.2 51.0 76.4





#13

Acrolein

Concen: 67.946 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

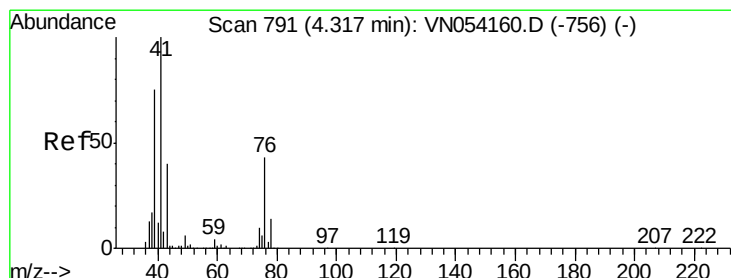
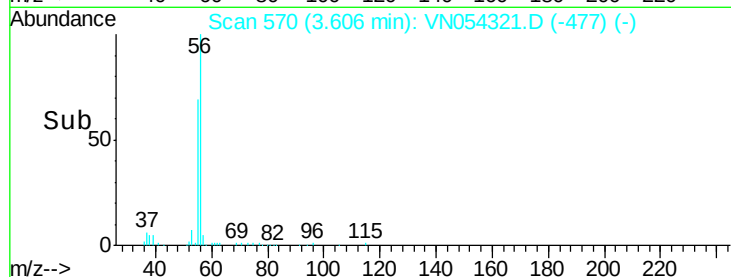
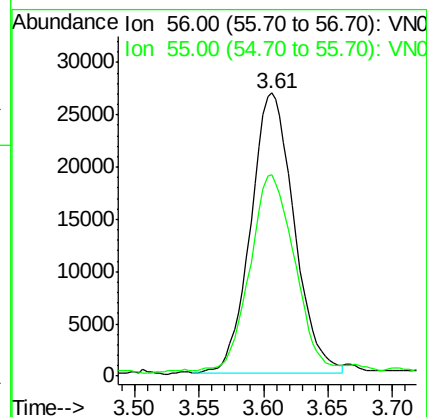
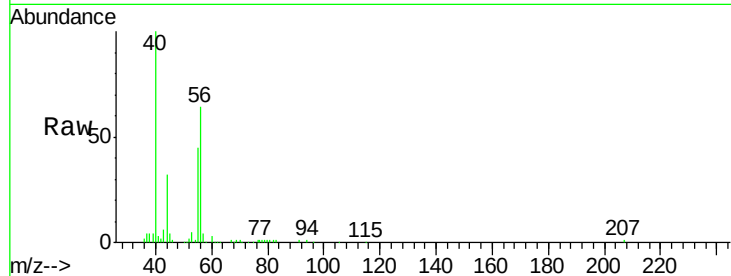
VN0315WBSD01

Tot Ion: 56 Resp: 62555

Ion Ratio Lower Upper

56 100

55 71.6 56.7 85.1



#14

Allyl chloride

Concen: 19.242 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

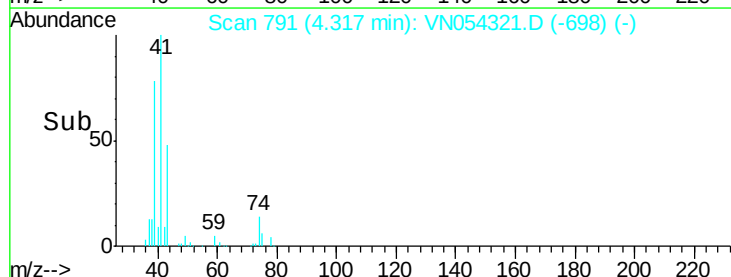
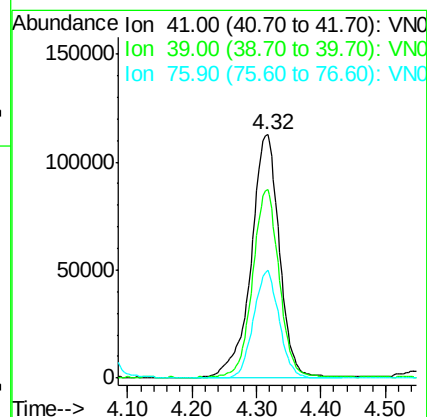
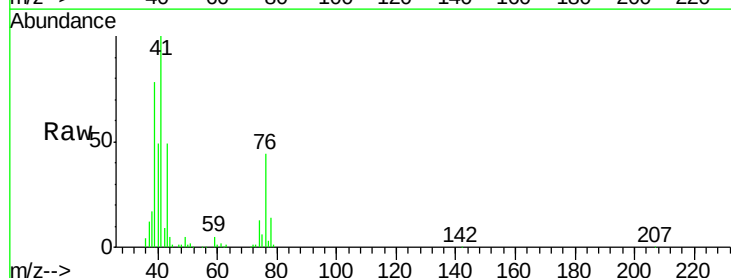
Tgt Ion: 41 Resp: 342283

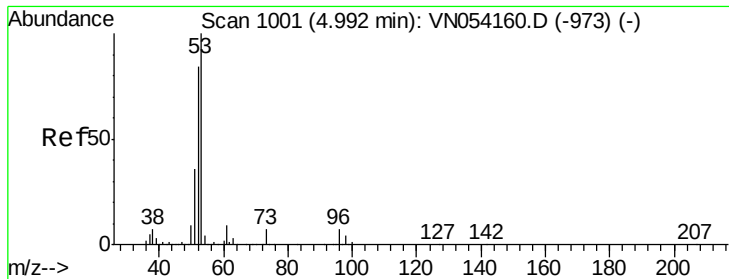
Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

76 39.6 31.7 47.5





#15

Acrylonitrile

Concen: 118.973 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VN0315WBSD01

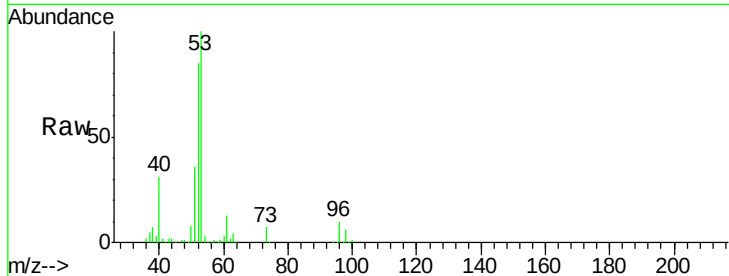
Tot Ion: 53 Resp: 474813

Ion Ratio Lower Upper

53 100

52 82.7 66.4 99.6

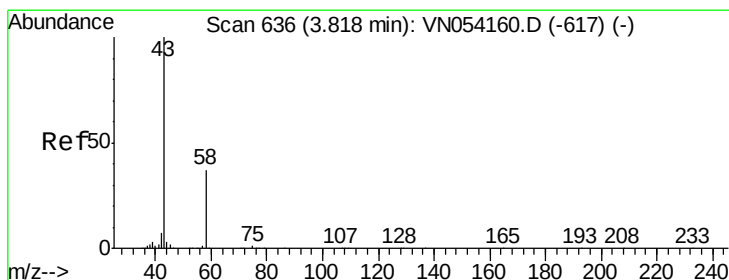
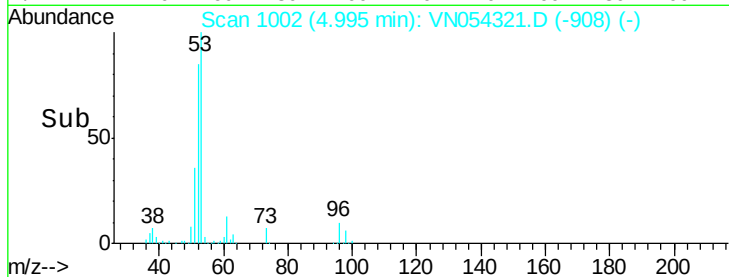
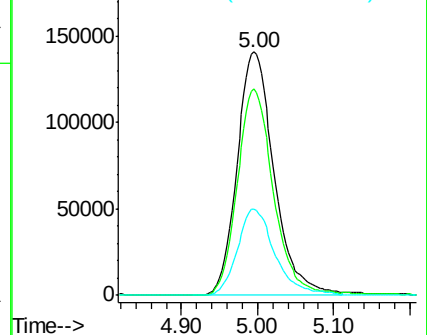
51 36.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 86.683 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054321.D

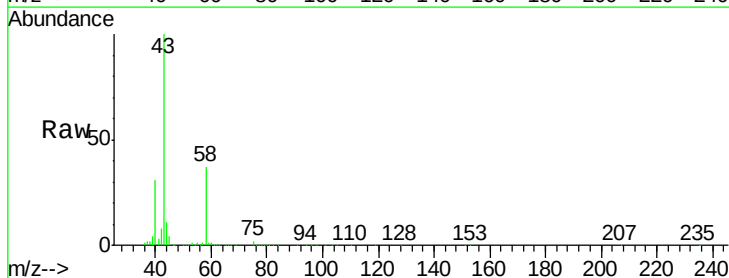
Acq: 15 Mar 2019 20:33

Tgt Ion: 43 Resp: 351748

Ion Ratio Lower Upper

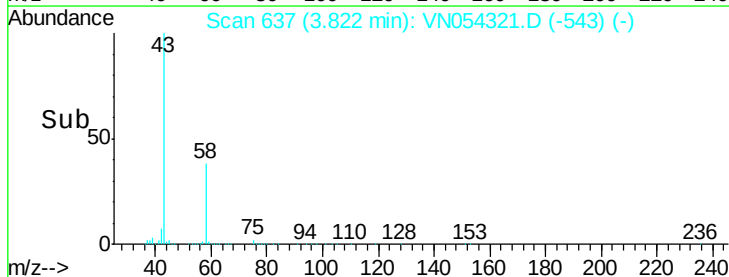
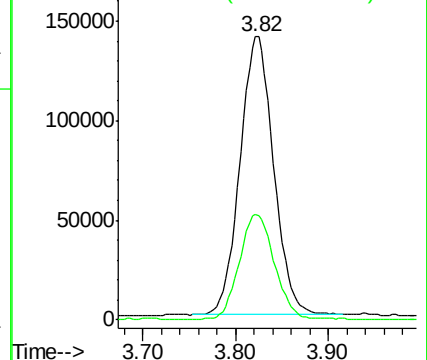
43 100

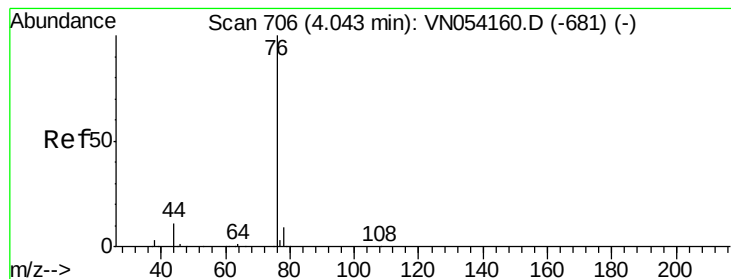
58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.592 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

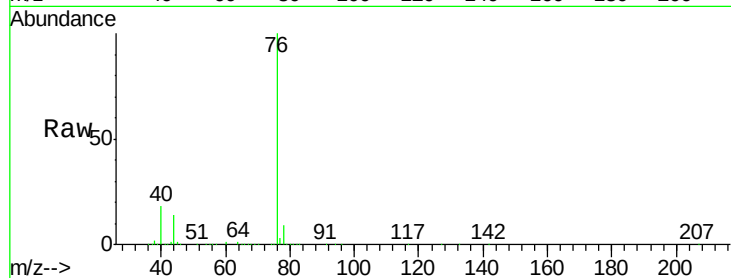
VN0315WBSD01

Tot Ion: 76 Resp: 646172

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250000

200000

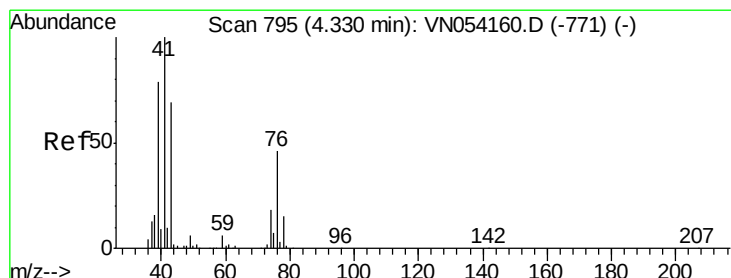
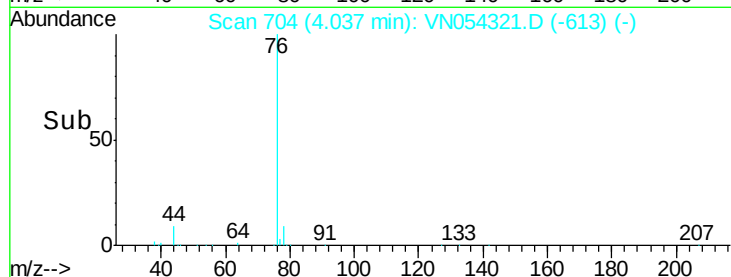
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 26.913 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054321.D

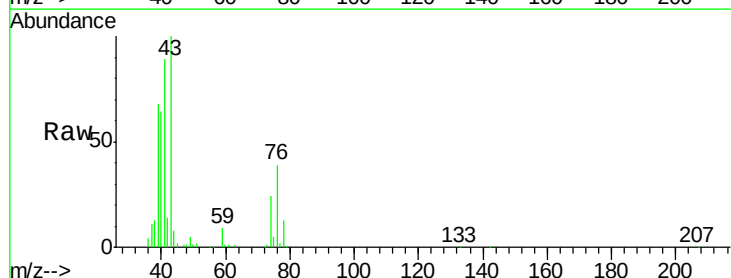
Acq: 15 Mar 2019 20:33

Tgt Ion: 43 Resp: 220951

Ion Ratio Lower Upper

43 100

74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

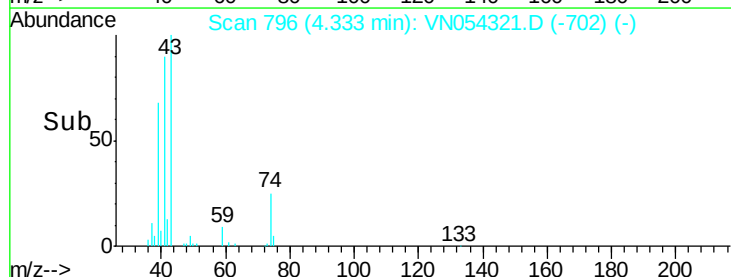
60000

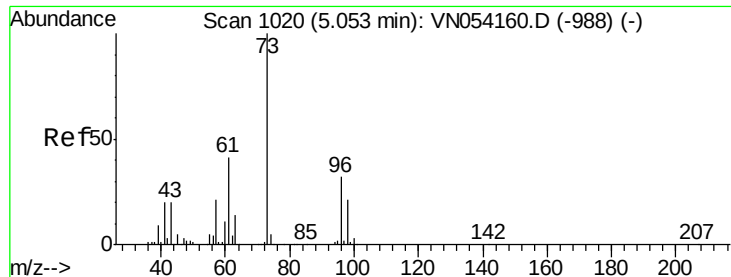
40000

20000

0

Time-->

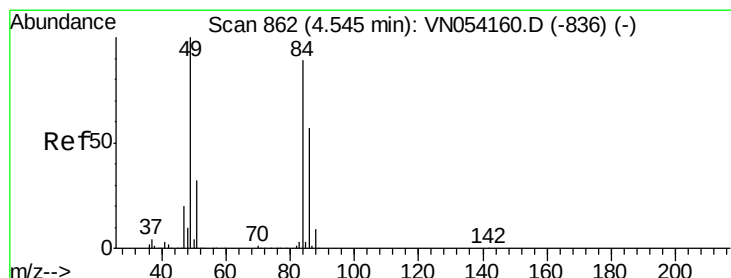
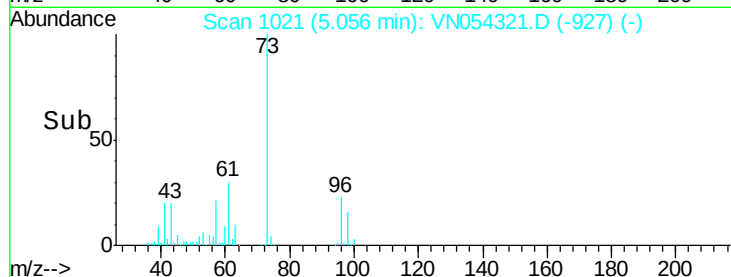
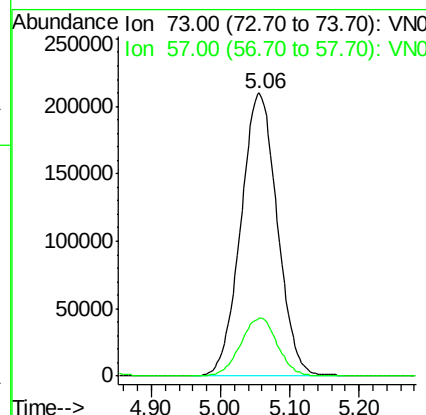
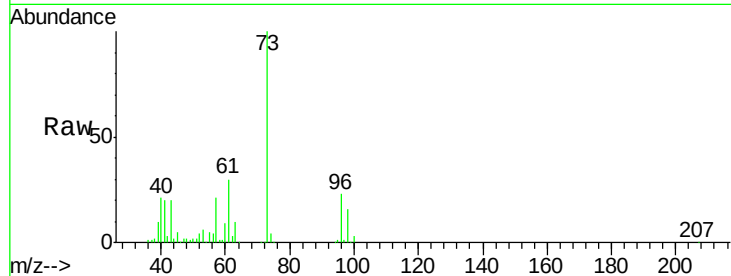




#19
Methyl tert-butyl Ether
Concen: 22.352 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

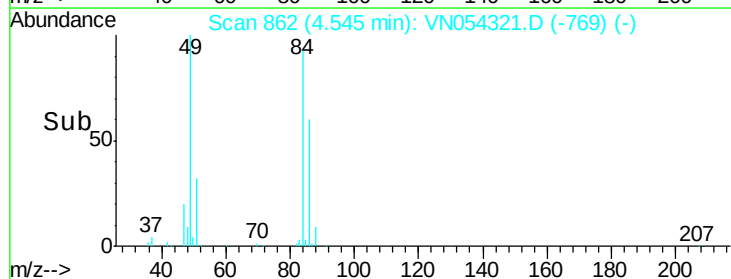
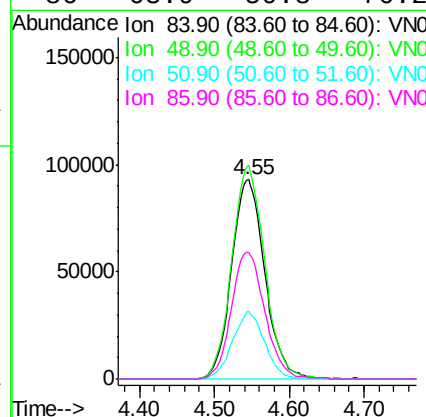
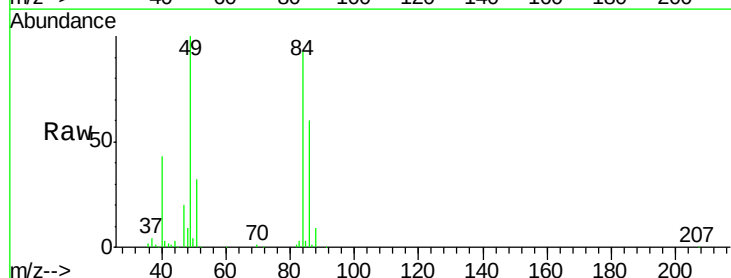
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

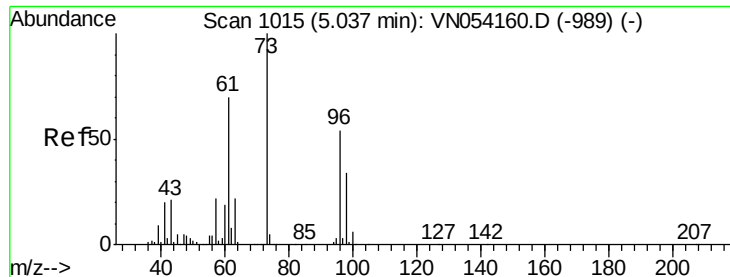
Tot Ion: 73 Resp: 768126
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2



#20
Methylene Chloride
Concen: 21.556 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 84 Resp: 287214
Ion Ratio Lower Upper
84 100
49 107.3 89.7 134.5
51 34.0 28.2 42.4
86 63.9 50.8 76.2

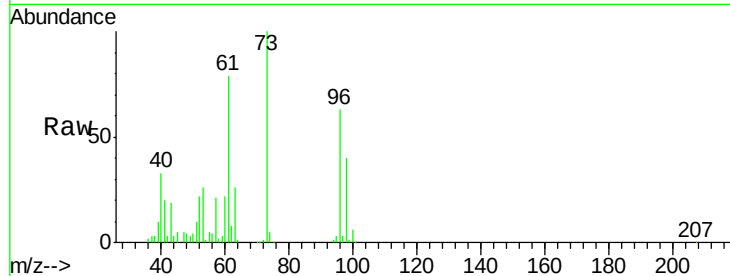




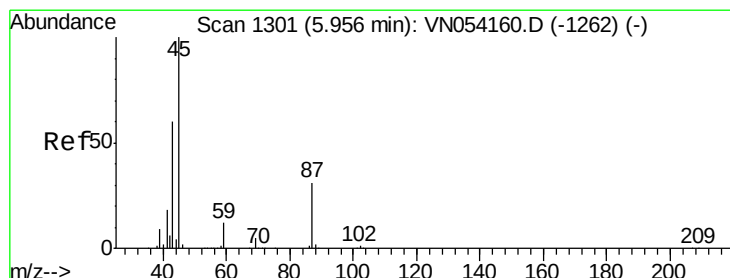
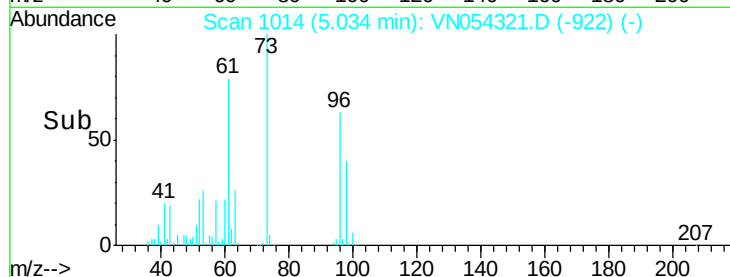
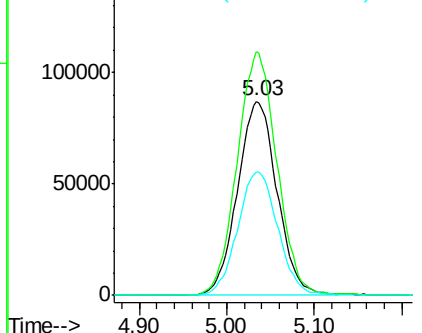
#21
trans-1,2-Dichloroethene
Concen: 20.554 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Instrument :
MSVOA_N
ClientSampled :
VN0315WBSD01

Tot Ion: 96 Resp: 273028
Ion Ratio Lower Upper
96 100
61 125.7 102.8 154.2
98 63.4 50.0 75.0

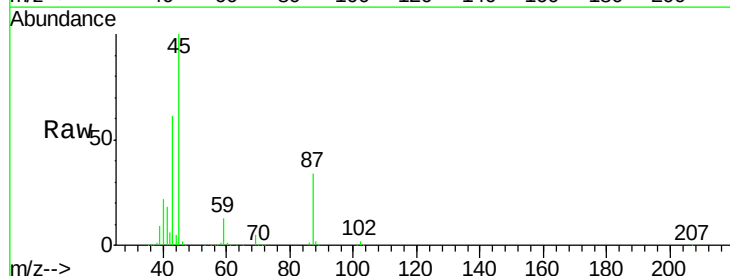


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

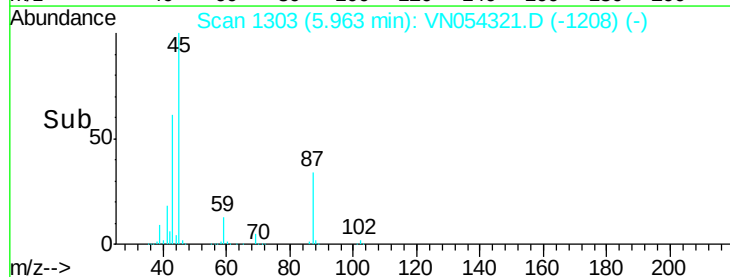
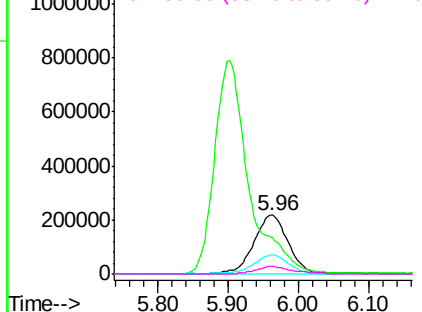


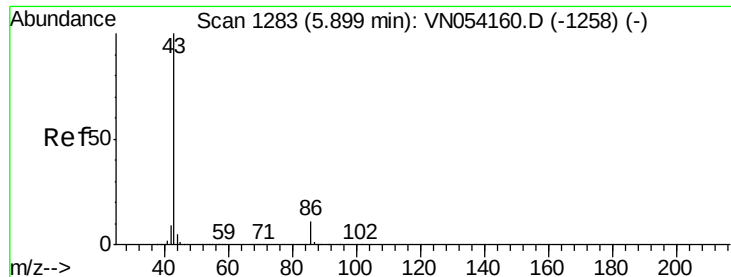
#22
Diisopropyl ether
Concen: 21.026 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 45 Resp: 746443
Ion Ratio Lower Upper
45 100
43 58.6 48.2 72.2
87 33.0 24.9 37.3
59 12.4 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

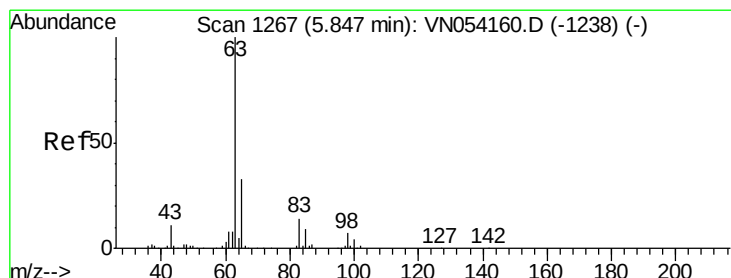
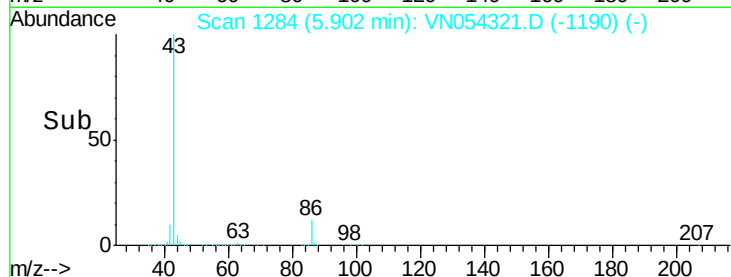
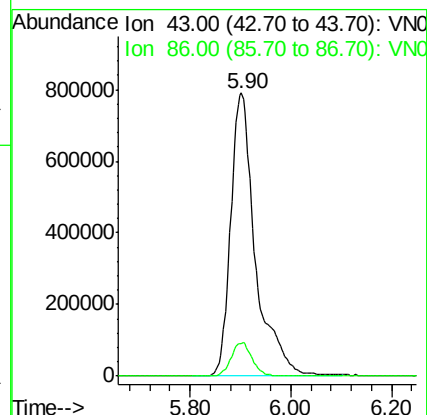
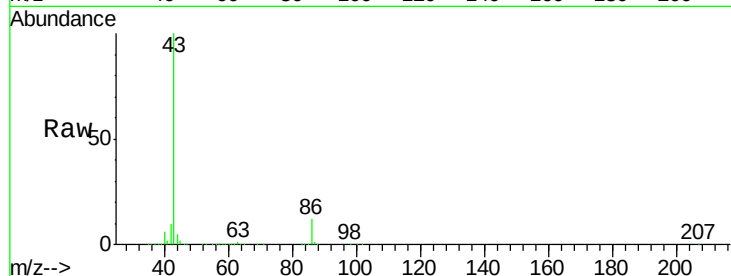




#23
 Vinyl Acetate
 Concen: 102.824 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

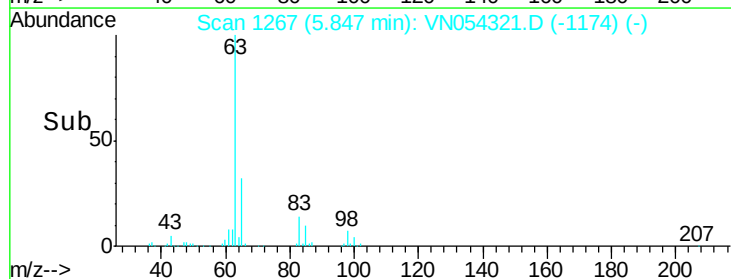
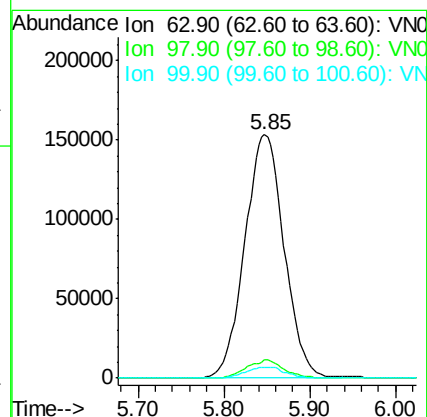
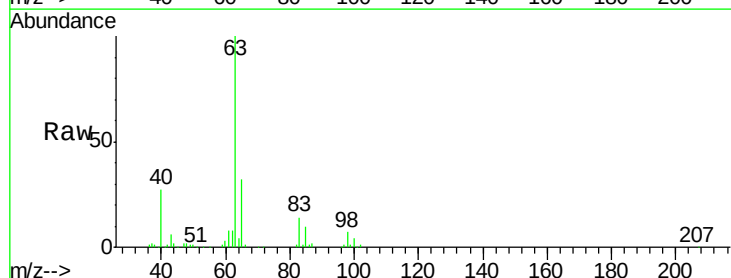
Instrument :
 MSVOA_N
 ClientSampled :
 VN0315WBSD01

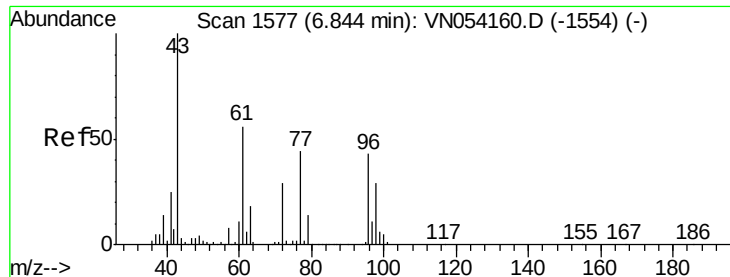
Tot Ion: 43 Resp: 2691471
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 21.366 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 63 Resp: 487038
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.5
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 114.716 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

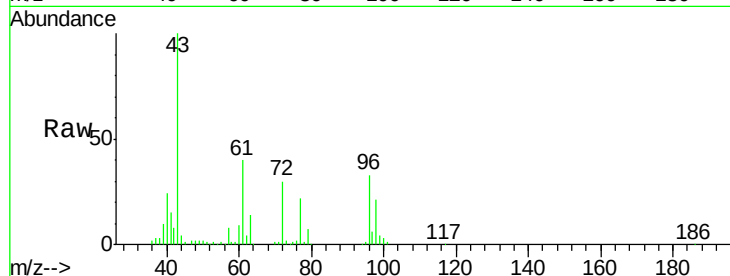
VN0315WBSD01

Tot Ion: 43 Resp: 546357

Ion Ratio Lower Upper

43 100

72 29.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

200000

150000

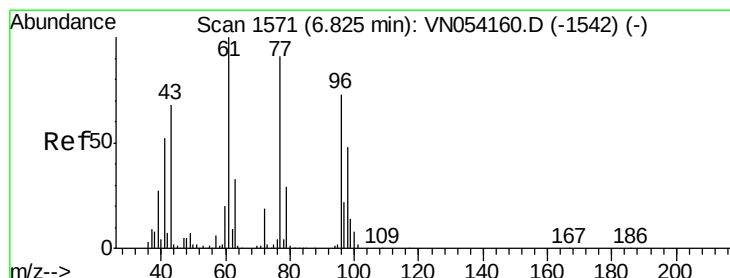
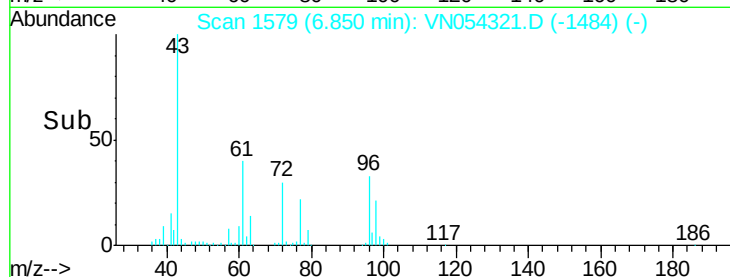
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 13.921 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054321.D

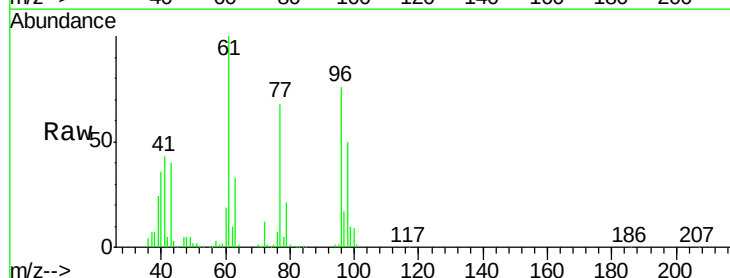
Acq: 15 Mar 2019 20:33

Tgt Ion: 77 Resp: 279062

Ion Ratio Lower Upper

77 100

97 25.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

60000

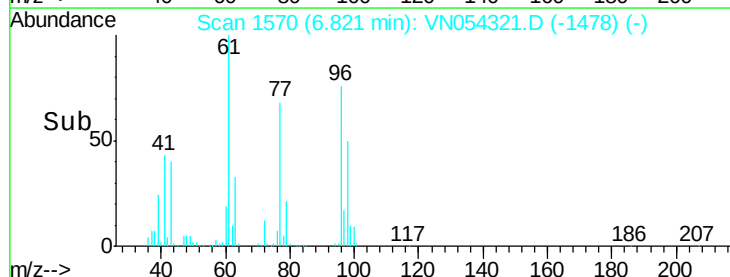
40000

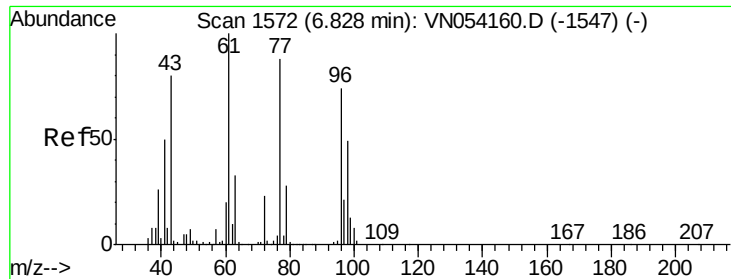
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.622 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

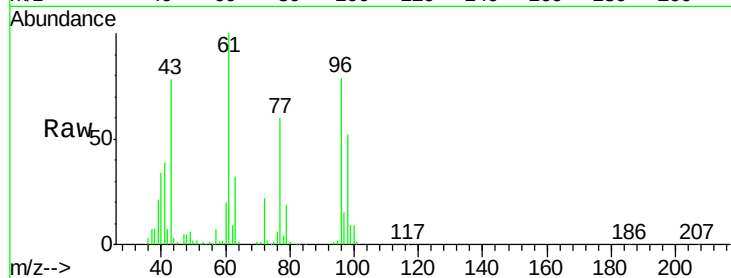
Tot Ion: 96 Resp: 320424

Ion Ratio Lower Upper

96 100

61 128.3 0.0 273.0

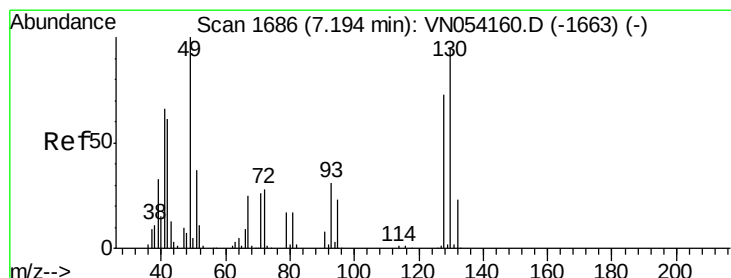
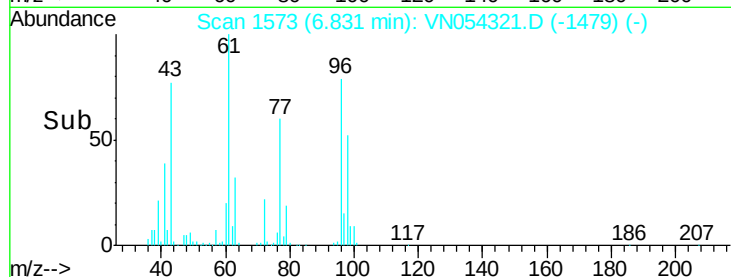
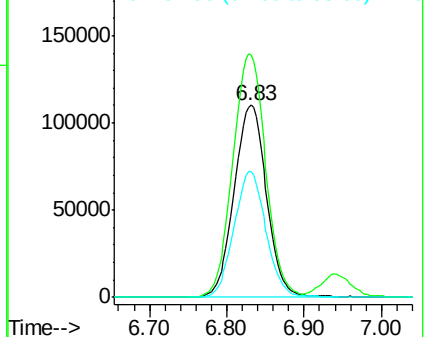
98 64.5 0.0 130.6



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: 21.958 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

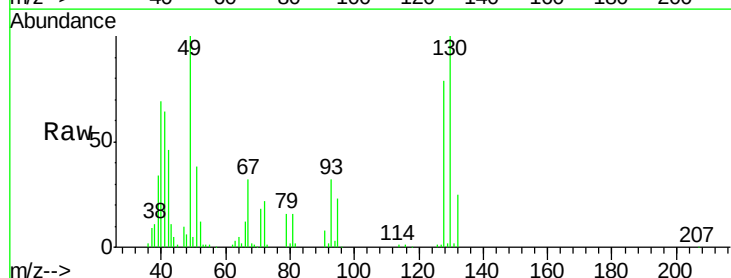
Tgt Ion: 49 Resp: 204626

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.6

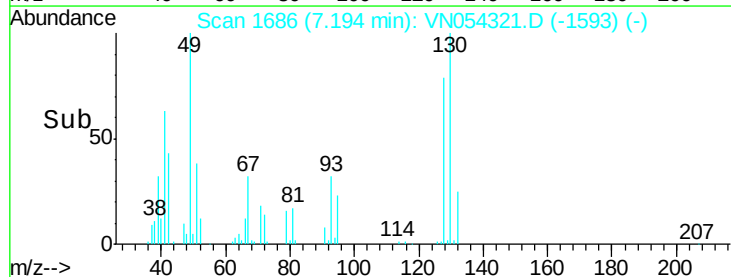
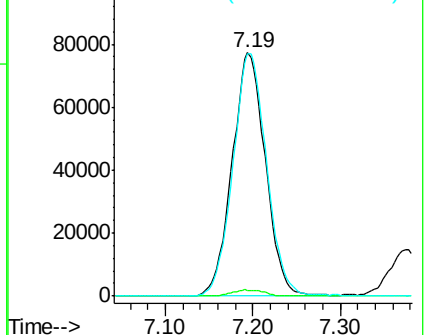
130 100.3 76.7 115.1

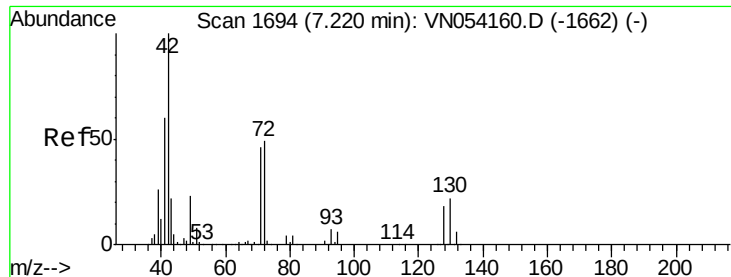


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

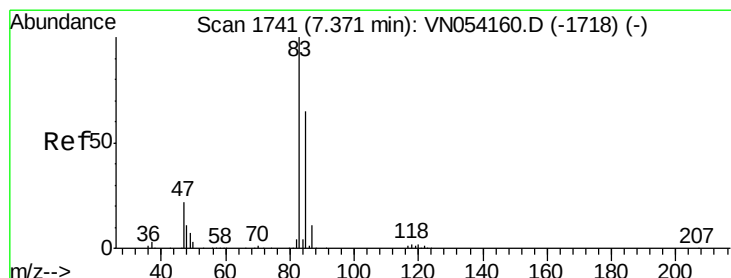
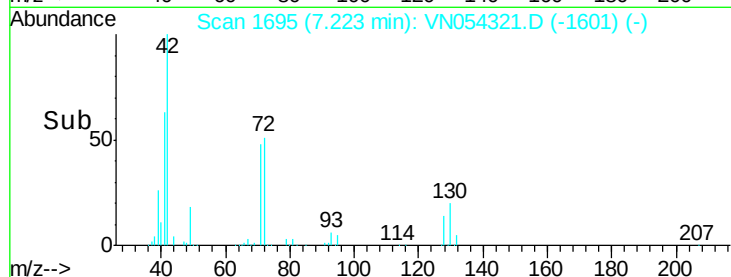
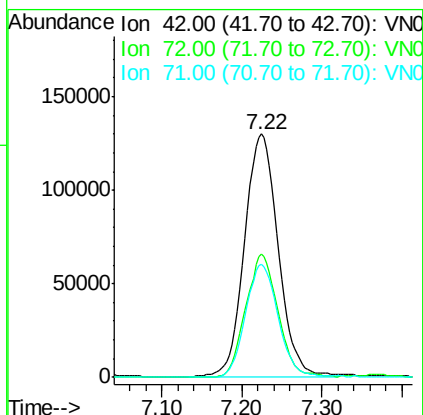
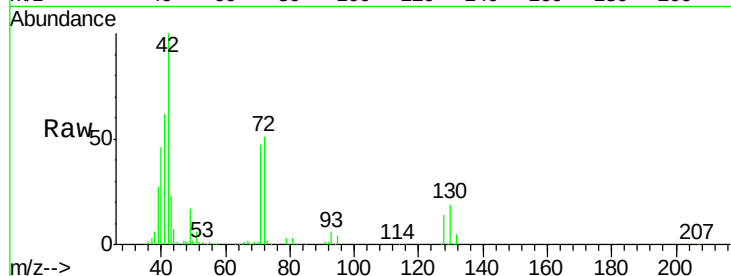




#29
Tetrahydrofuran
Concen: 121.051 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

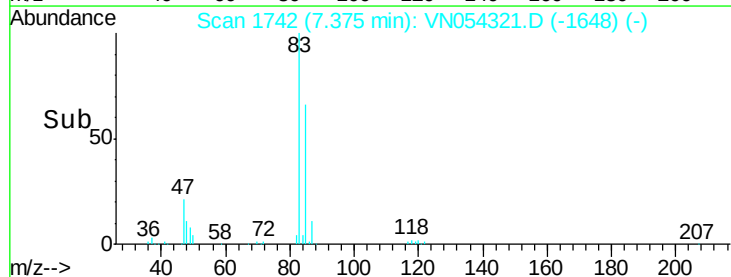
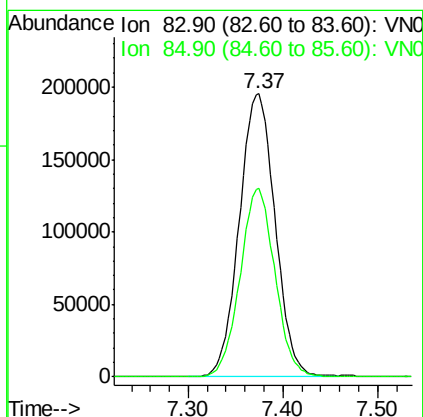
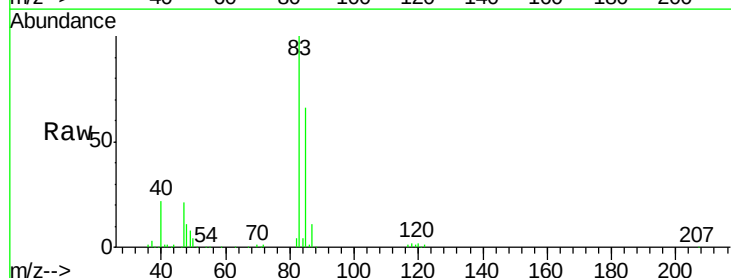
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

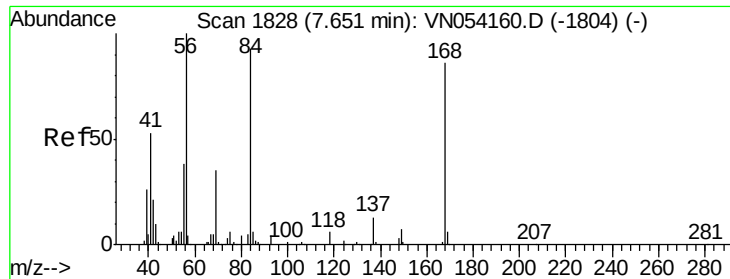
Tot Ion: 42 Resp: 370688
Ion Ratio Lower Upper
42 100
72 49.0 37.8 56.6
71 45.4 36.2 54.2



#30
Chloroform
Concen: 21.628 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 83 Resp: 514444
Ion Ratio Lower Upper
83 100
85 66.5 52.2 78.4

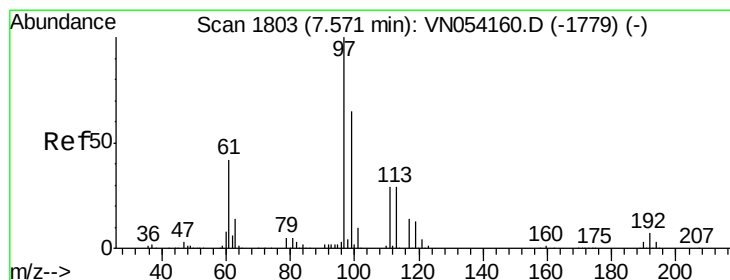
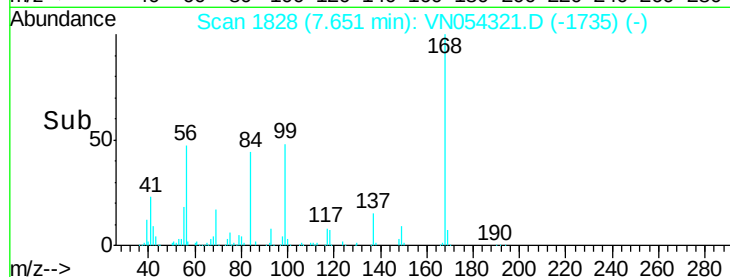
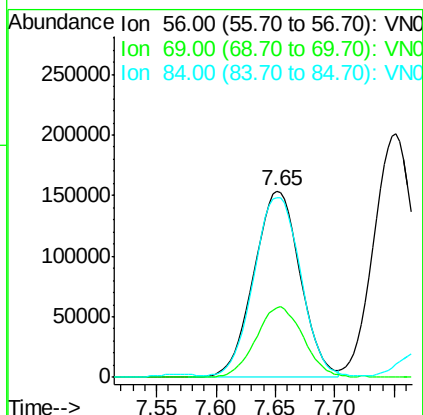
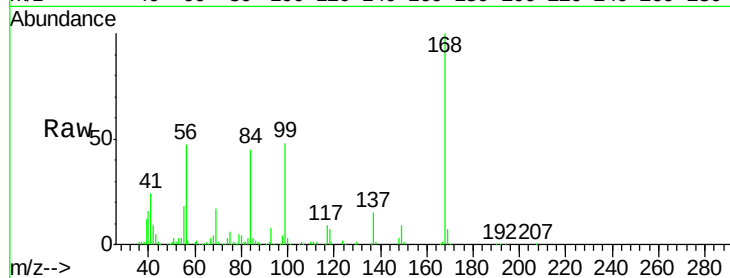




#31
Cyclohexane
Concen: 18.748 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

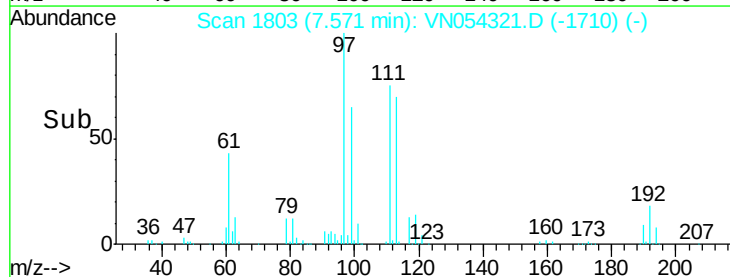
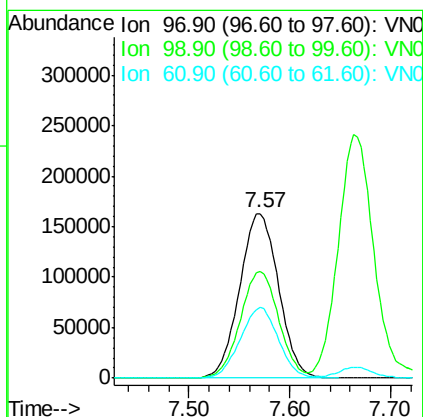
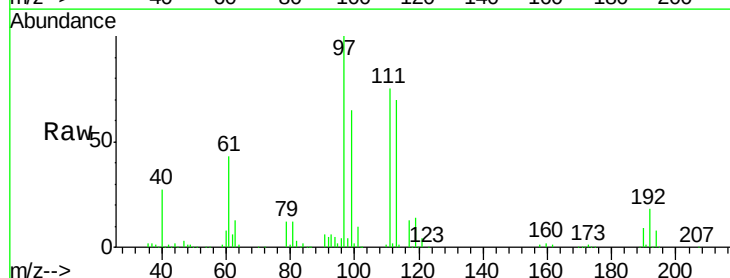
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

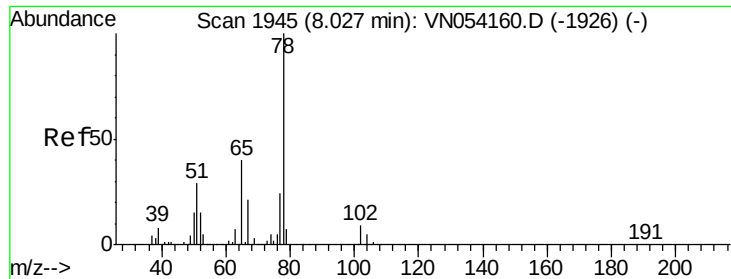
Tot Ion: 56 Resp: 415906
Ion Ratio Lower Upper
56 100
69 37.3 27.8 41.6
84 94.8 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.315 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 97 Resp: 436404
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 42.0 33.6 50.4

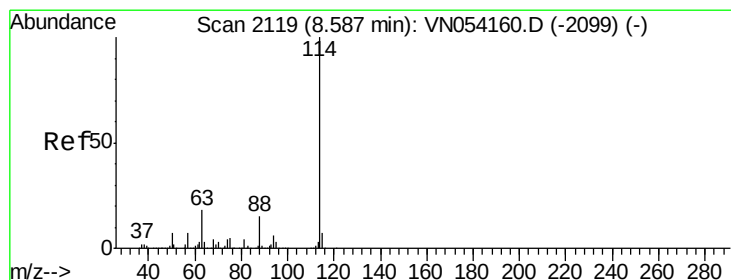
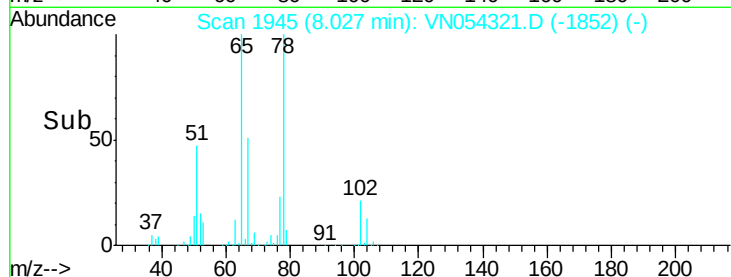
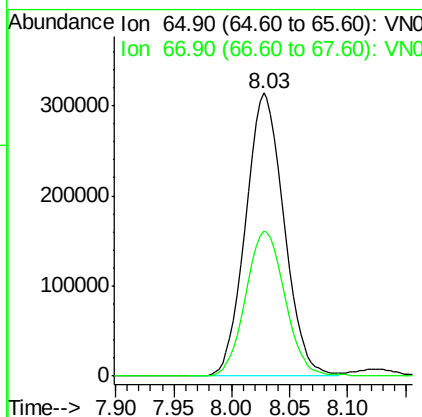
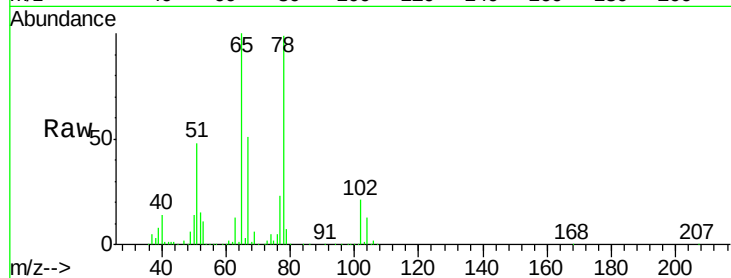




#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

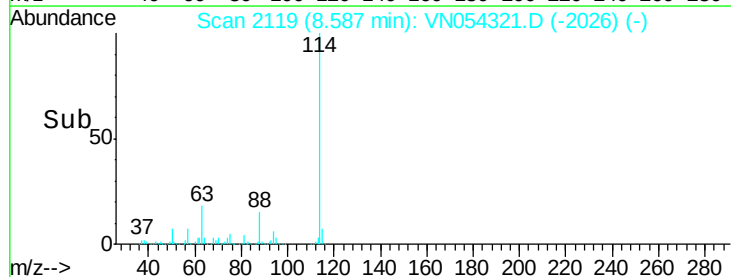
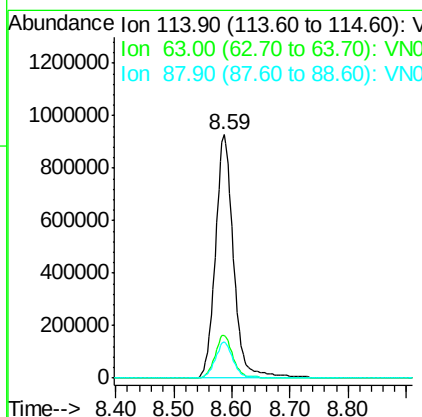
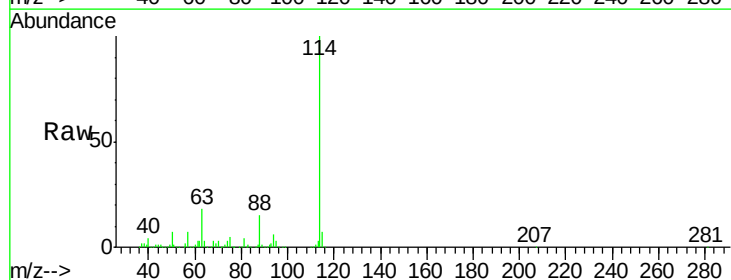
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

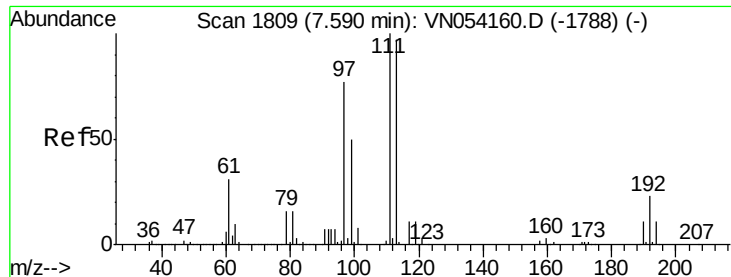
Tot Ion: 65 Resp: 725766
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 114 Resp: 2017164
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 15.0 0.0 30.2

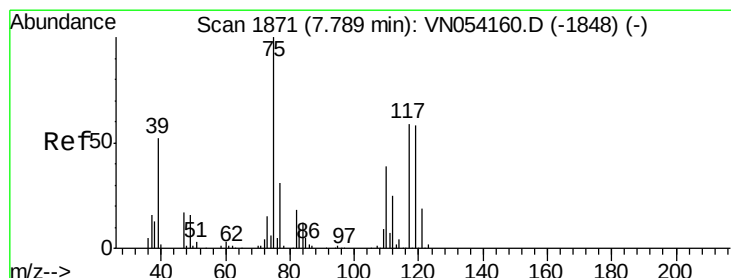
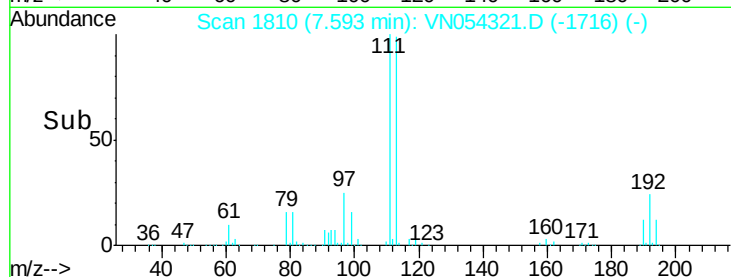
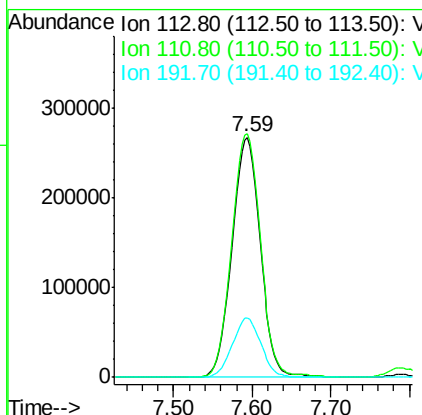
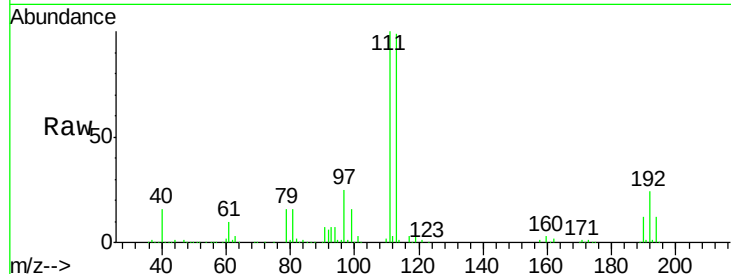




#35
Dibromofluoromethane
Concen: 51.534 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

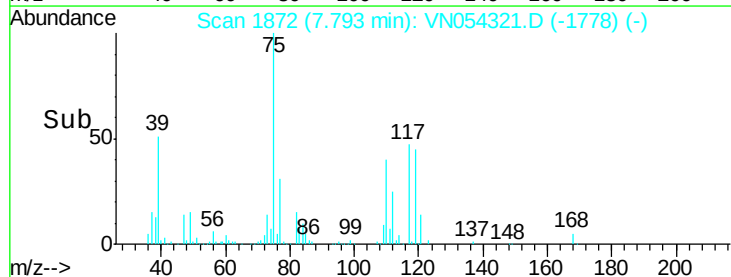
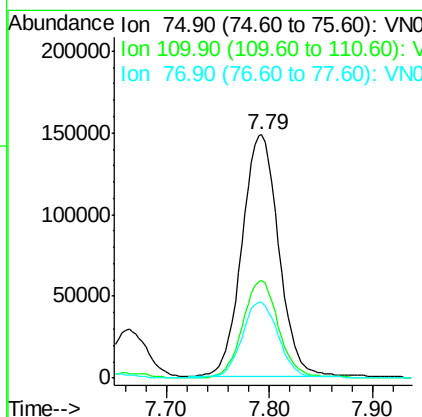
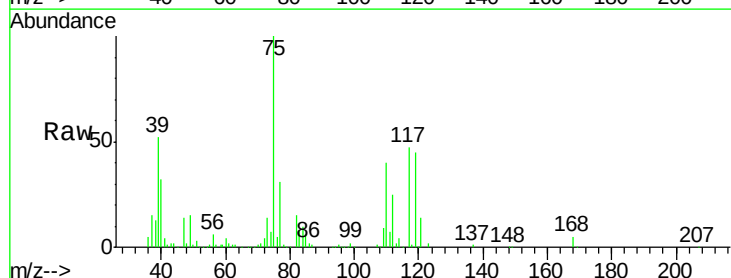
Instrument :
MSVOA_N
ClientSampled :
VN0315WBSD01

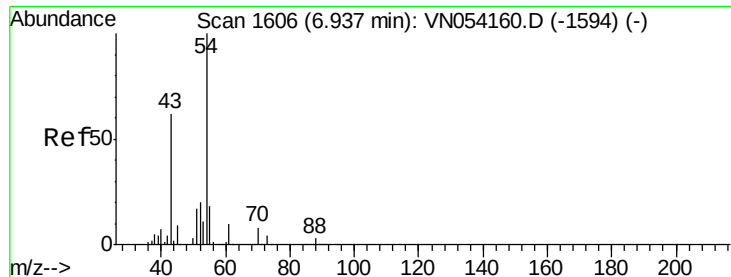
Tot Ion:113 Resp: 670445
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 24.9 19.2 28.8



#36
1,1-Dichloropropene
Concen: 19.721 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 75 Resp: 366350
Ion Ratio Lower Upper
75 100
110 40.0 19.1 57.5
77 31.2 25.0 37.4

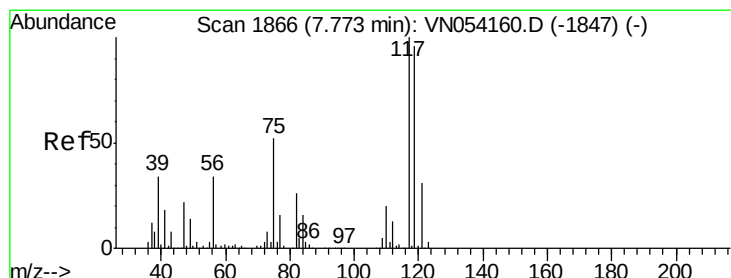
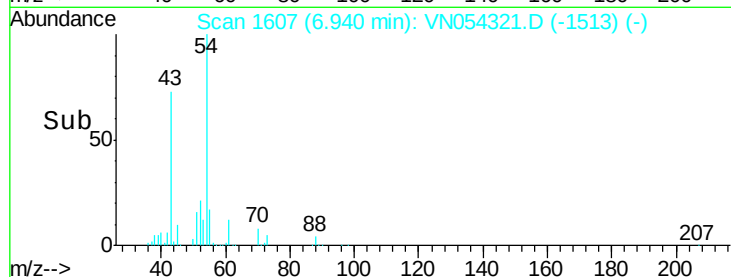
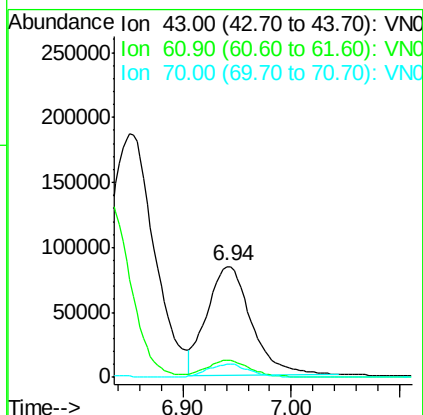
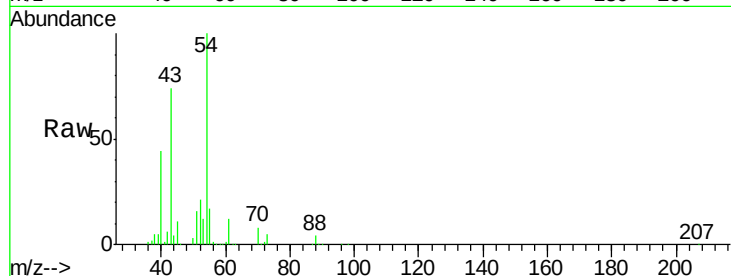




#37
Ethyl Acetate
Concen: 22.341 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

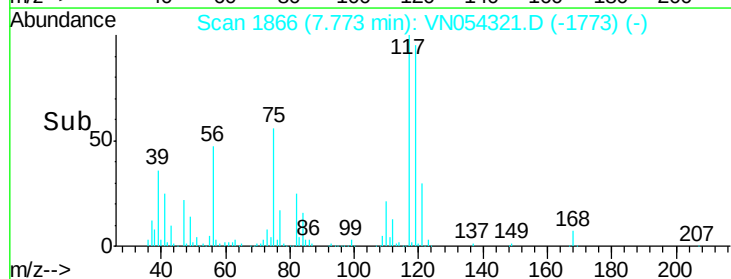
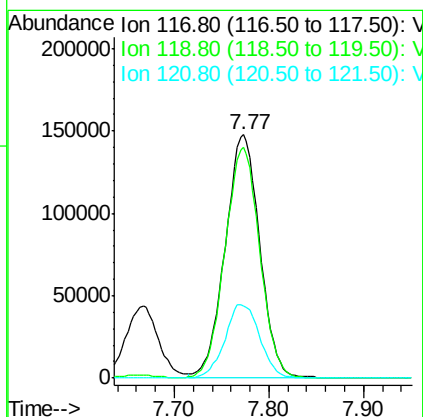
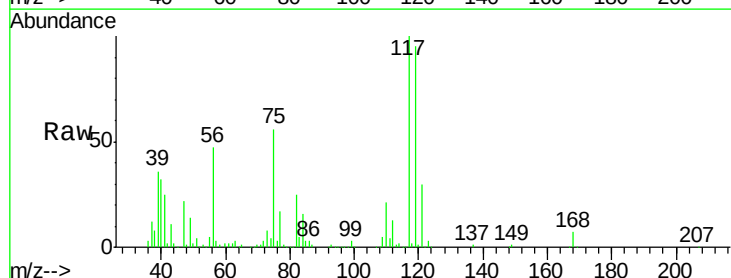
Instrument :
MSVOA_N
ClientSampled :
VN0315WBSD01

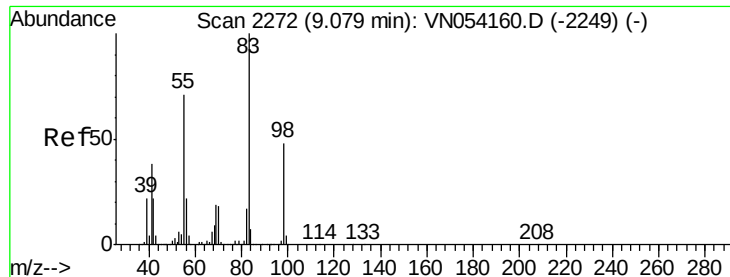
Tot Ion: 43 Resp: 238463
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.172 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 117 Resp: 373490
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 29.9 24.6 36.8

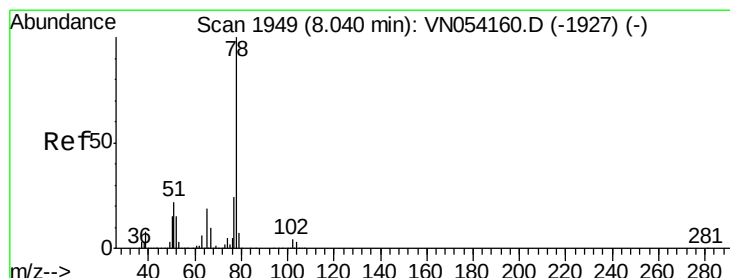
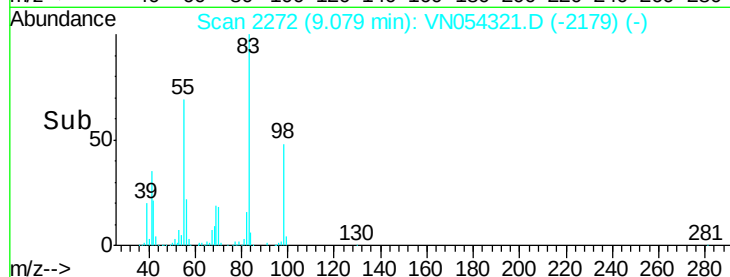
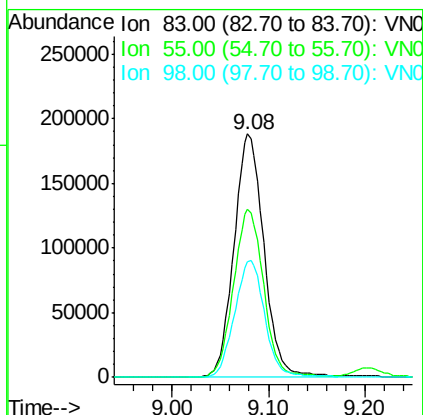
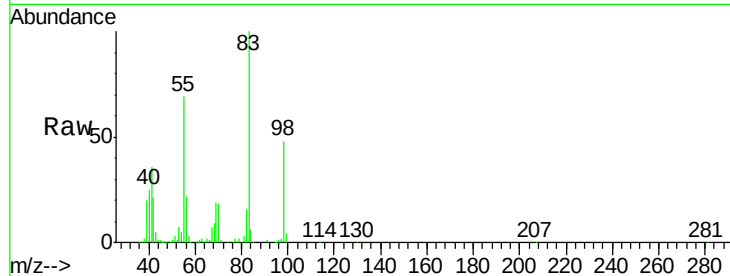




#39
Methylvlcyclohexane
Concen: 17.727 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

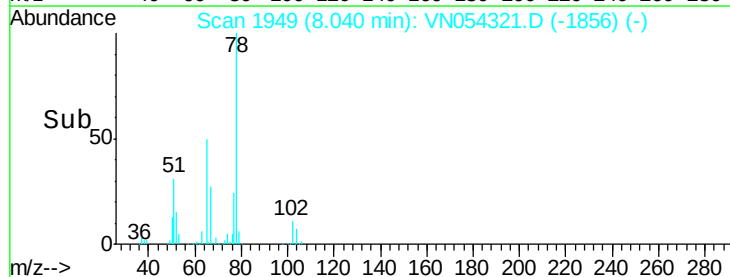
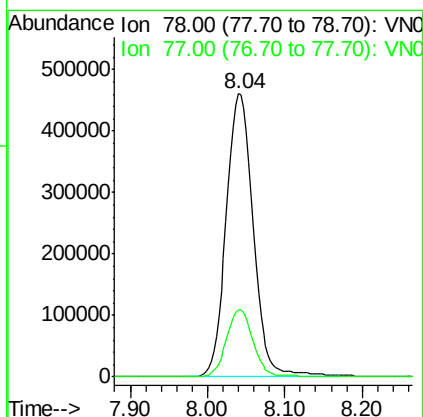
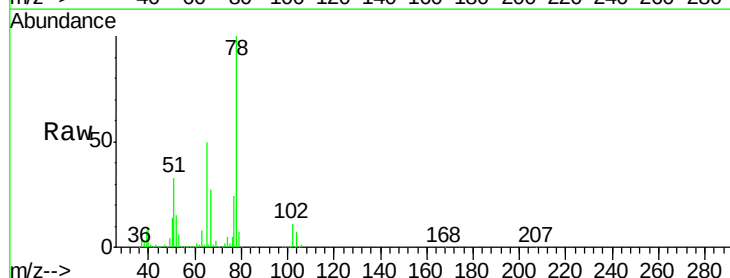
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

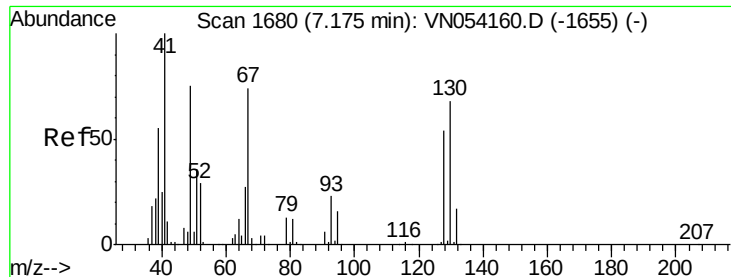
Tot Ion: 83 Resp: 405161
Ion Ratio Lower Upper
83 100
55 68.9 56.6 84.8
98 47.6 38.4 57.6



#40
Benzene
Concen: 21.019 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 78 Resp: 1117311
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

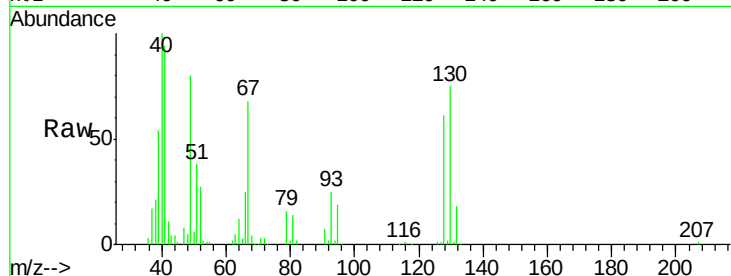




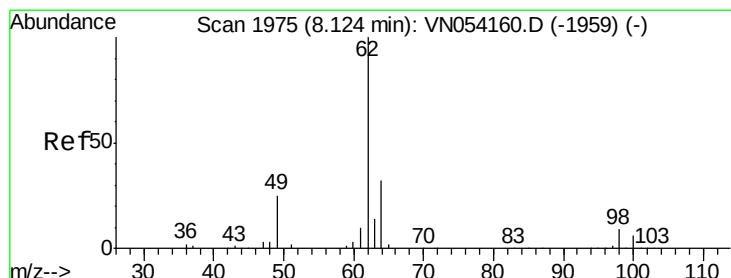
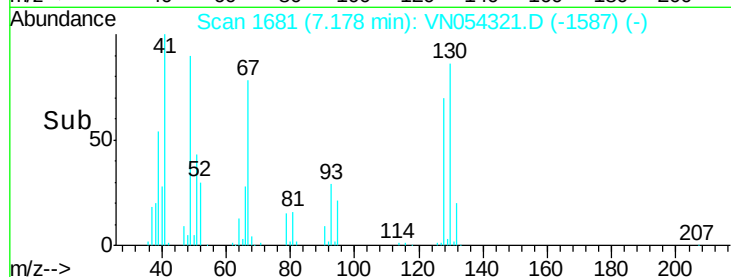
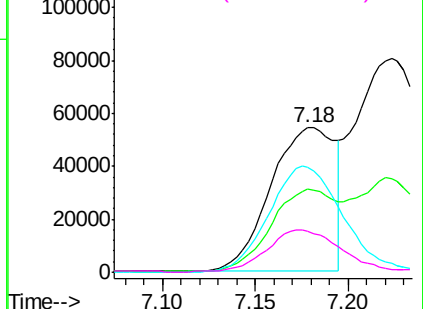
#41
Methacrylonitrile
Concen: 21.552 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

Tot Ion: 41 Resp: 131347
Ion Ratio Lower Upper
41 100
39 55.3 46.8 70.2
67 86.2 67.0 100.4
52 33.8 26.5 39.7

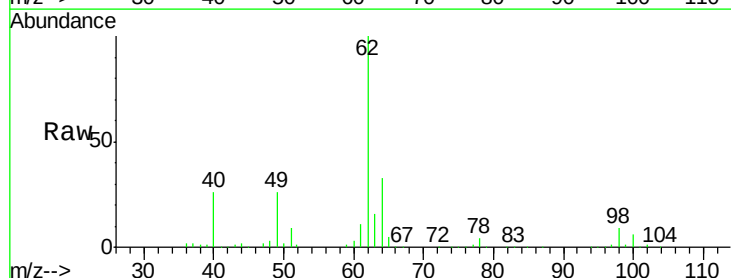


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

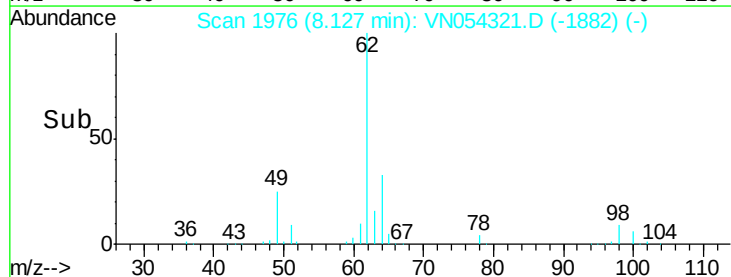
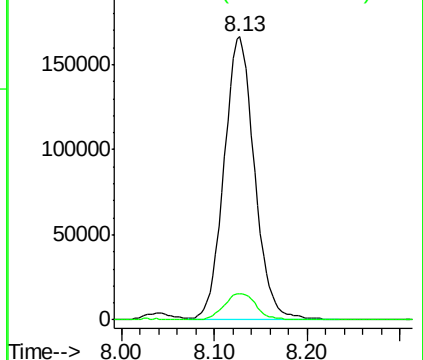


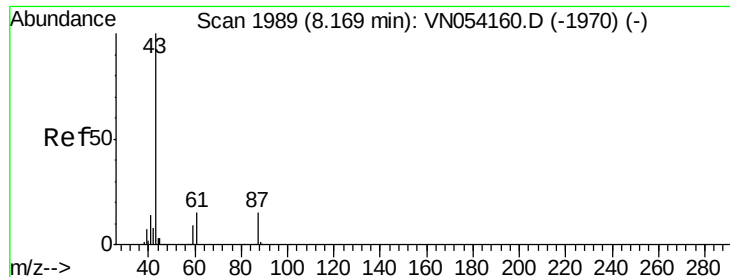
#42
1,2-Dichloroethane
Concen: 20.992 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 62 Resp: 376752
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.821 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

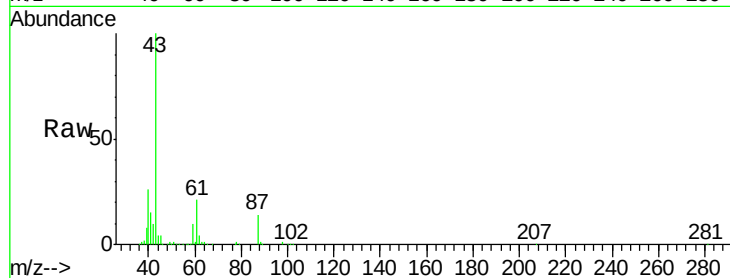
Tot Ion: 43 Resp: 390083

Ion Ratio Lower Upper

43 100

61 21.4 15.8 23.8

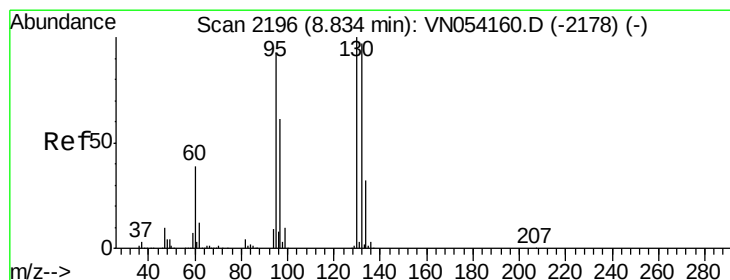
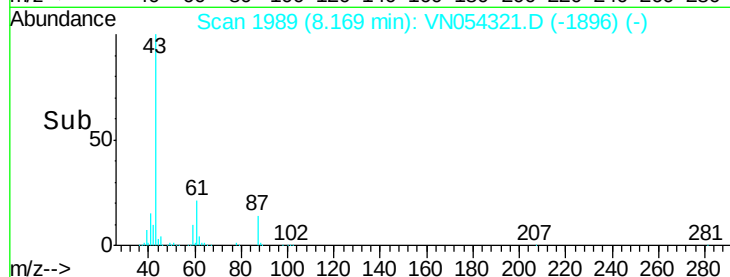
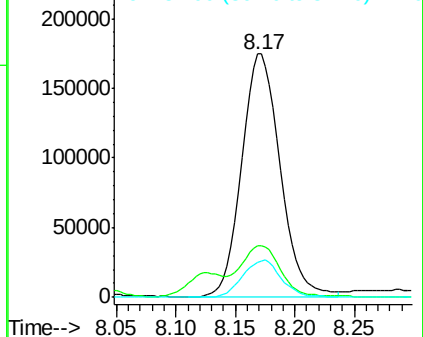
87 15.4 12.0 18.0



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: 21.453 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054321.D

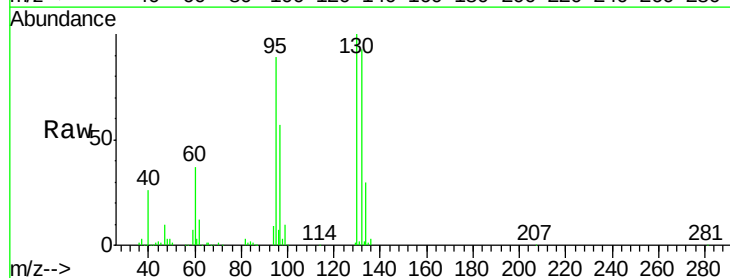
Acq: 15 Mar 2019 20:33

Tgt Ion: 130 Resp: 354265

Ion Ratio Lower Upper

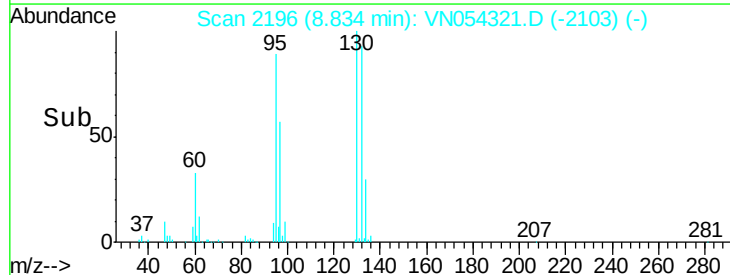
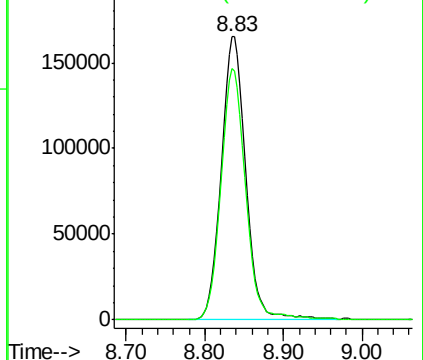
130 100

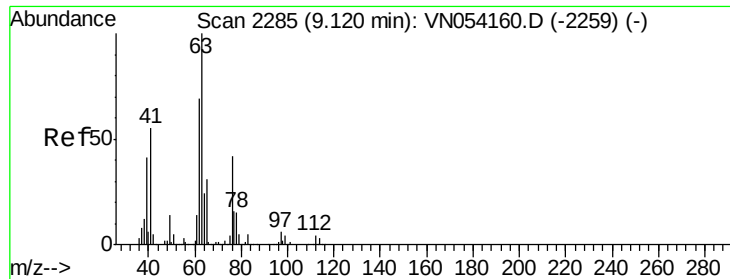
95 88.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

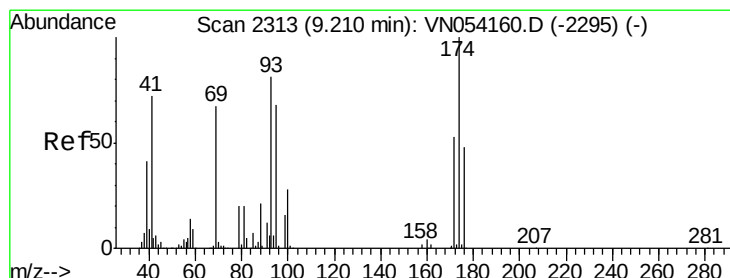
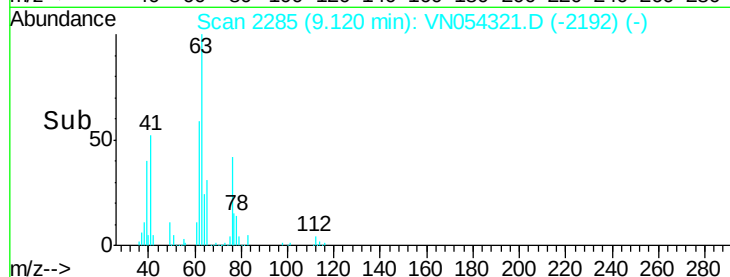
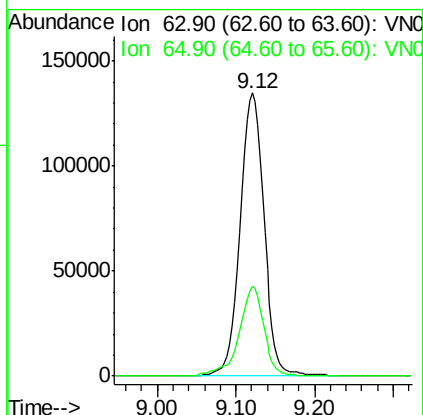
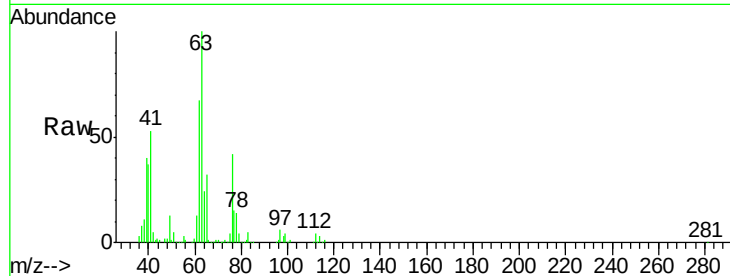




#45
 1,2-Dichloropropane
 Concen: 21.780 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

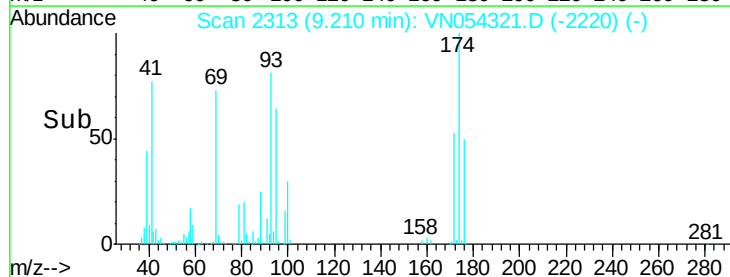
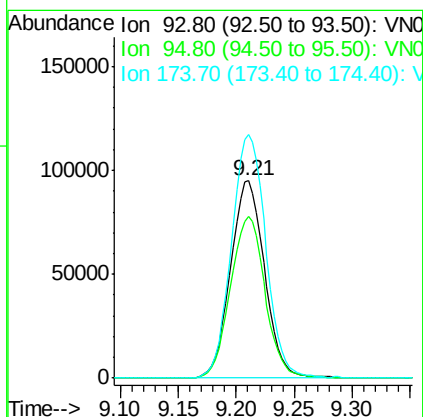
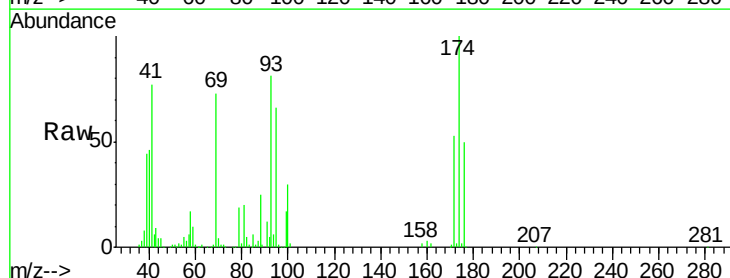
Instrument :
 MSVOA_N
 ClientSampled :
 VN0315WBSD01

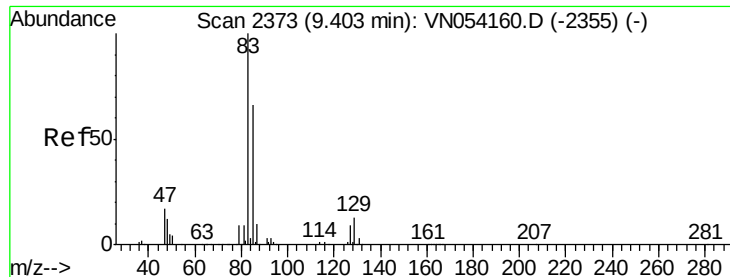
Tot Ion: 63 Resp: 287483
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 21.710 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 93 Resp: 193622
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 123.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.256 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

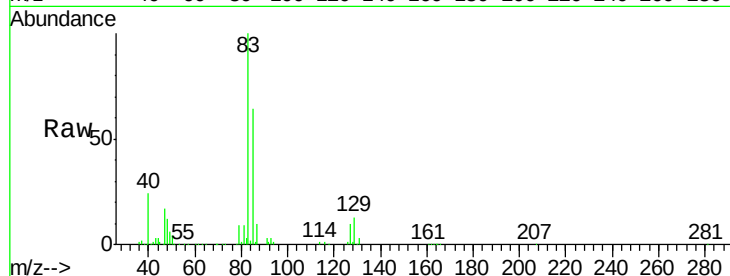
Tot Ion: 83 Resp: 362162

Ion Ratio Lower Upper

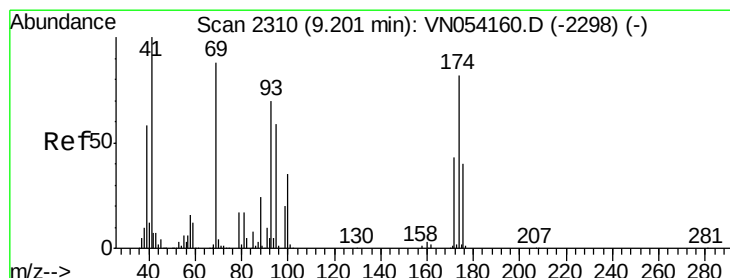
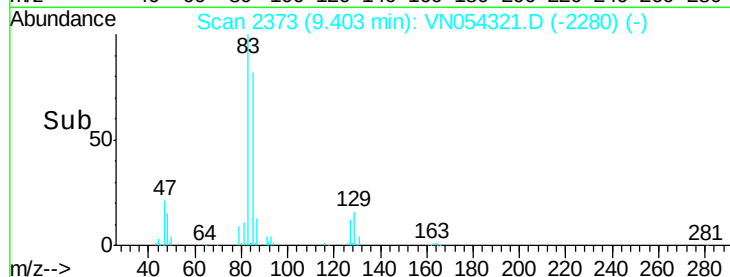
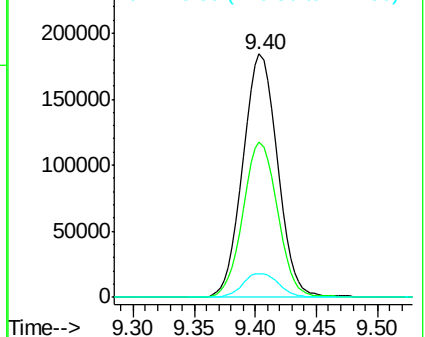
83 100

85 63.6 52.8 79.2

127 9.6 7.4 11.2



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



#48

Methyl methacrylate

Concen: 21.947 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

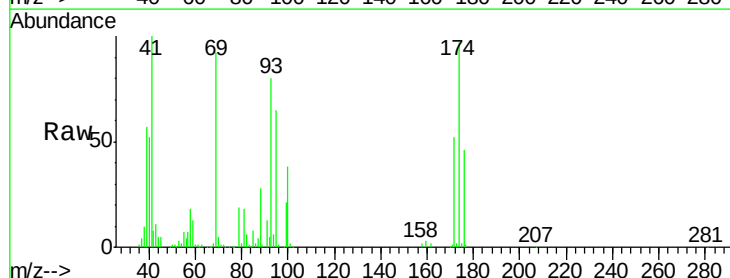
Tgt Ion: 41 Resp: 208670

Ion Ratio Lower Upper

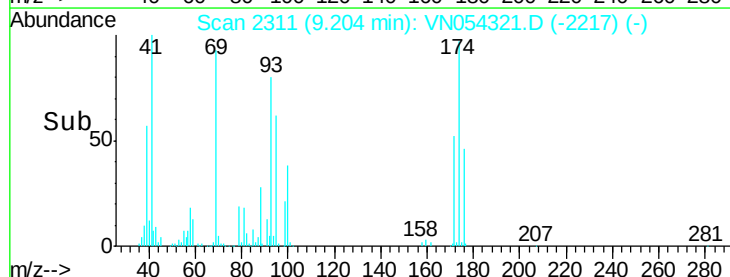
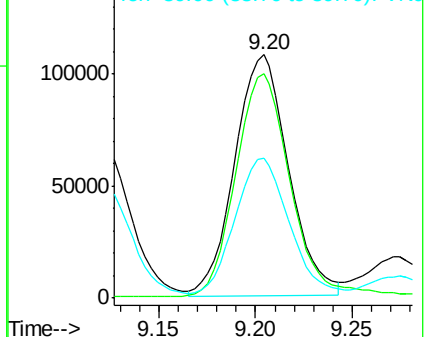
41 100

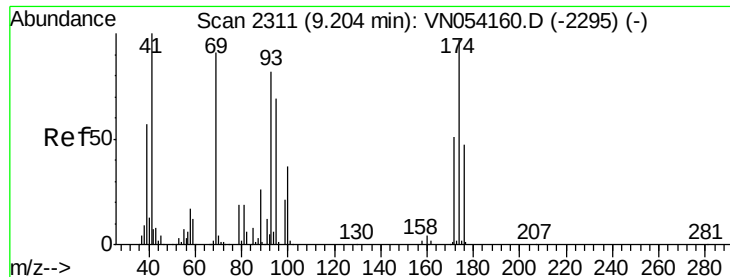
69 94.7 72.6 108.8

39 58.7 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 499.933 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

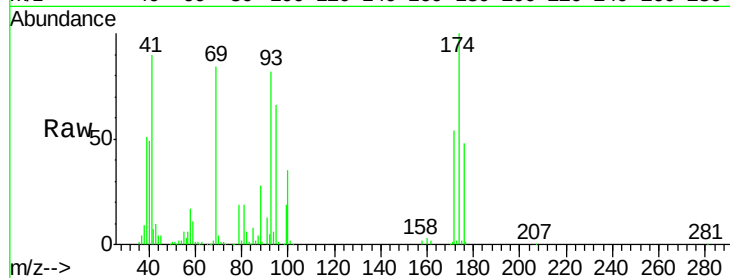
Tot Ion: 88 Resp: 67235

Ion Ratio Lower Upper

88 100

43 29.0 24.1 36.1

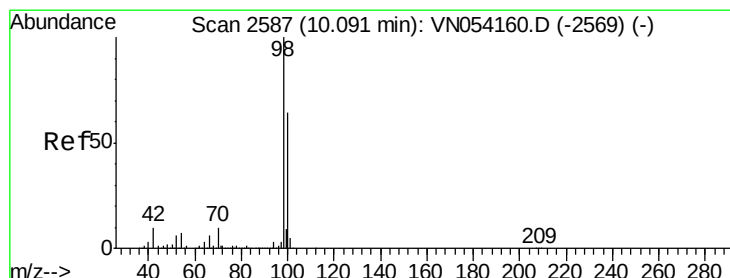
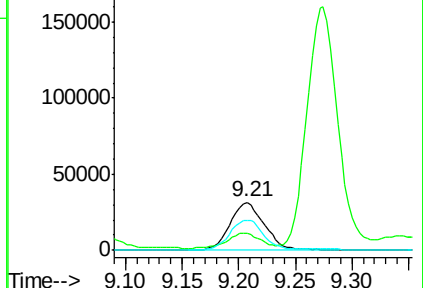
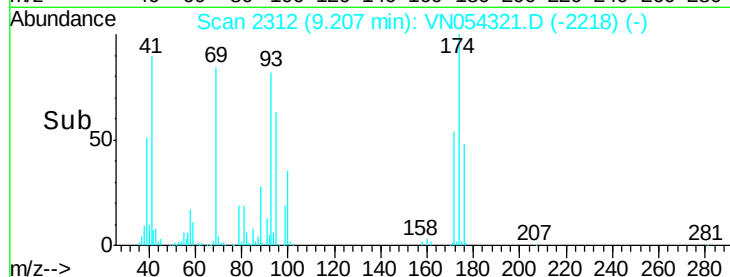
58 63.8 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.609 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054321.D

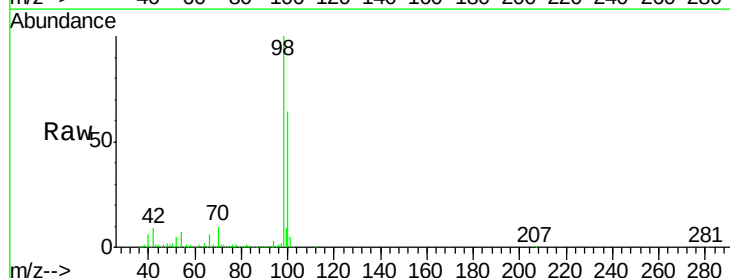
Acq: 15 Mar 2019 20:33

Tgt Ion: 98 Resp: 2383576

Ion Ratio Lower Upper

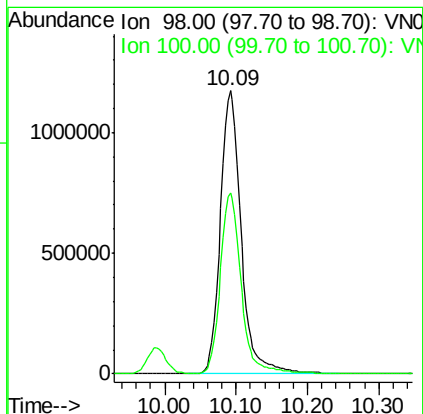
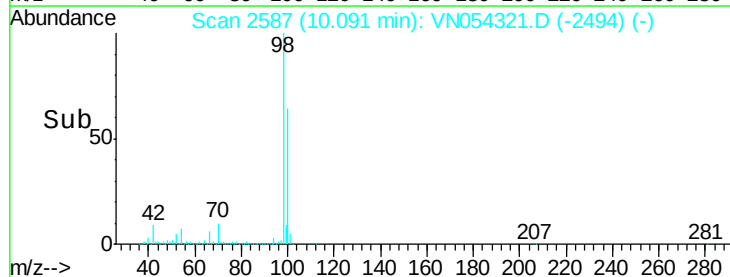
98 100

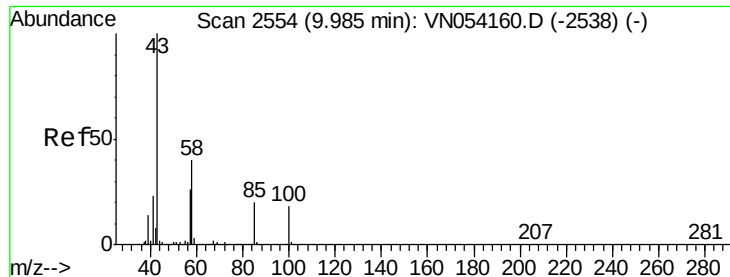
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 117.251 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

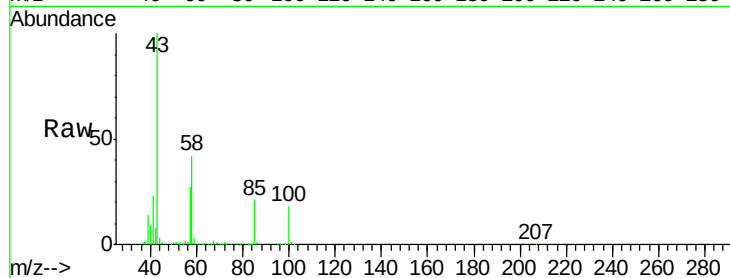
VN0315WBSD01

Tot Ion: 43 Resp: 1162527

Ion Ratio Lower Upper

43 100

58 41.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

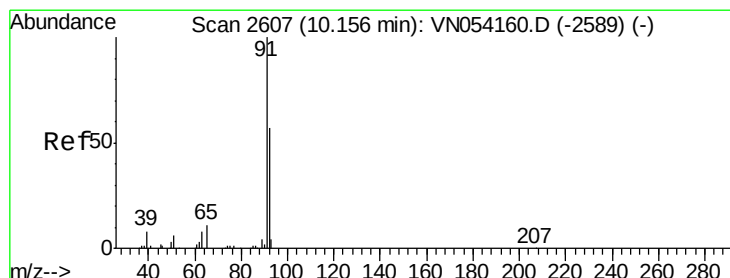
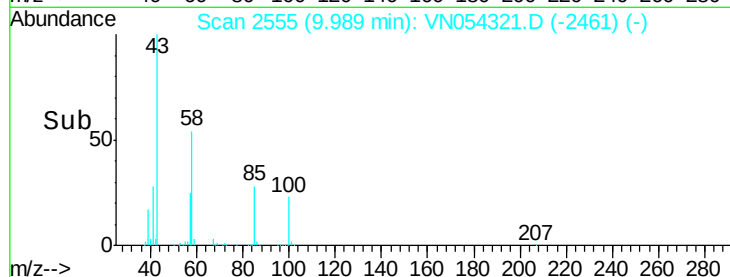
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.877 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054321.D

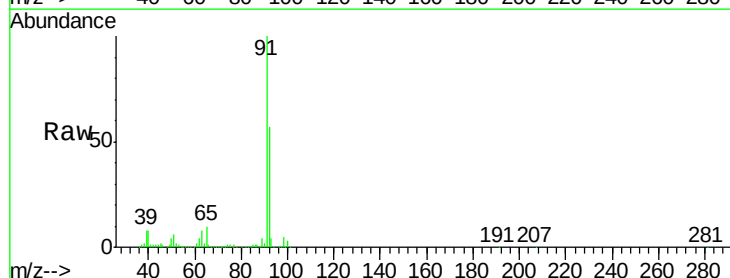
Acq: 15 Mar 2019 20:33

Tgt Ion: 92 Resp: 703675

Ion Ratio Lower Upper

92 100

91 175.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

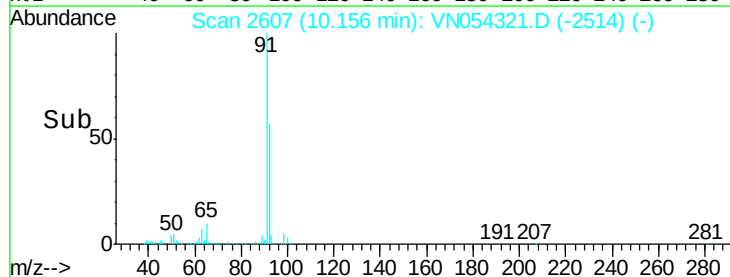
600000

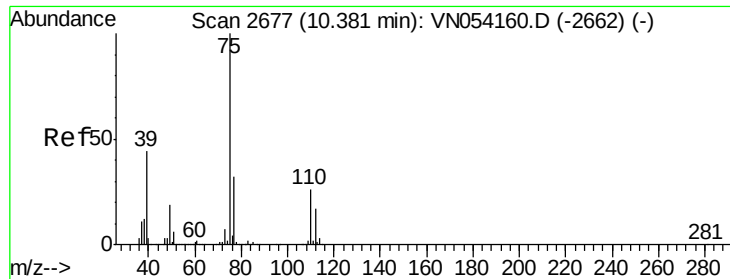
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.794 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

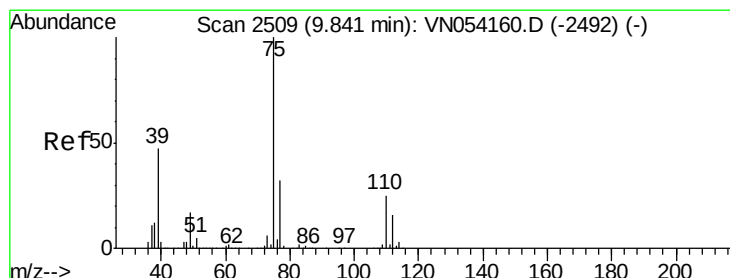
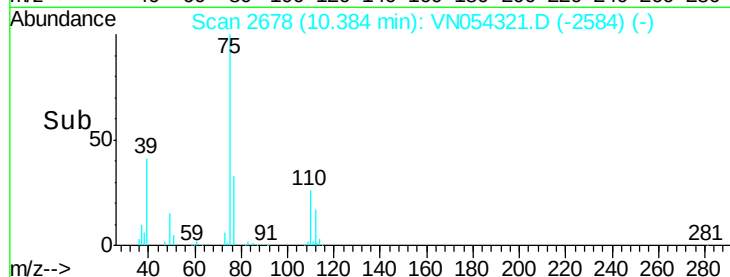
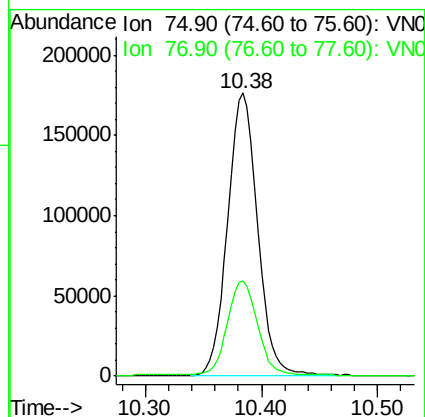
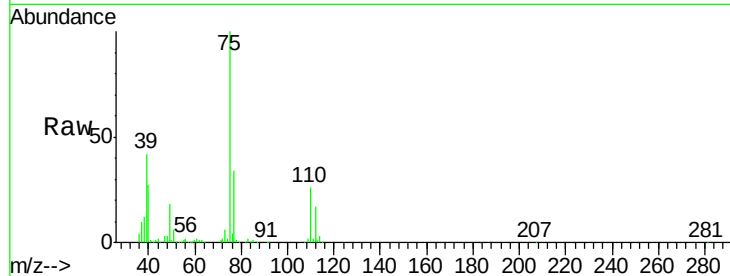
VN0315WBSD01

Tot Ion: 75 Resp: 315350

Ion Ratio Lower Upper

75 100

77 33.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 18.709 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

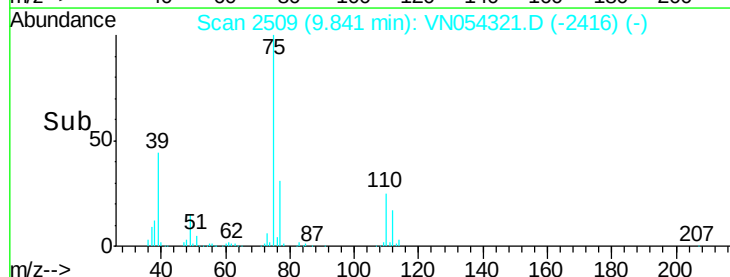
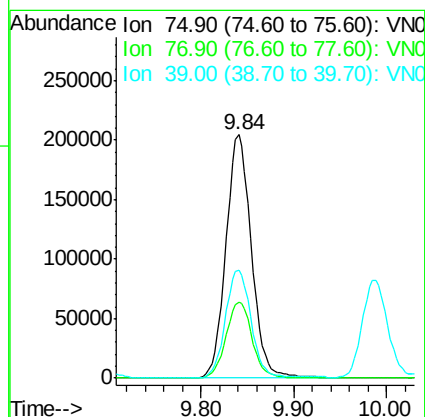
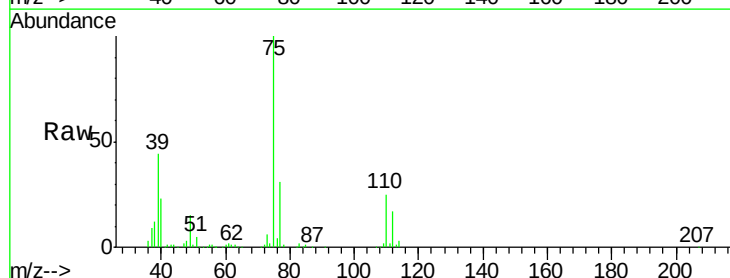
Tgt Ion: 75 Resp: 389796

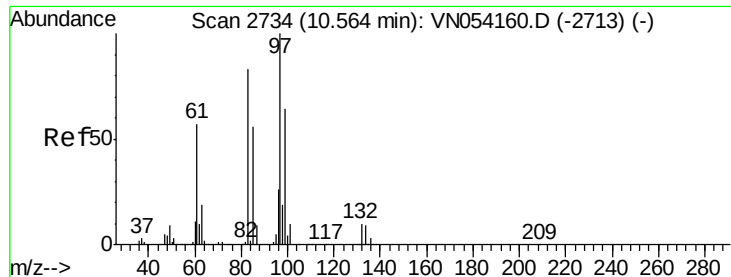
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 44.1 37.2 55.8

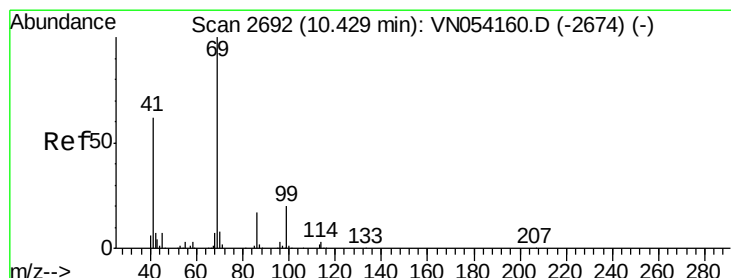
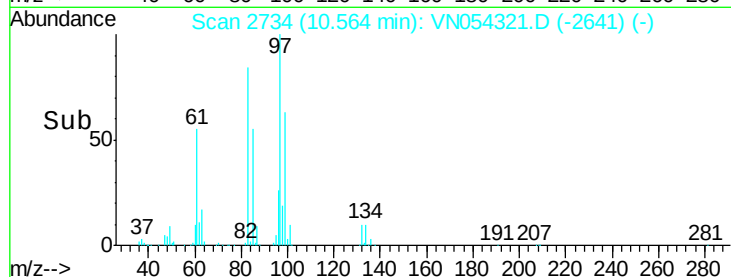
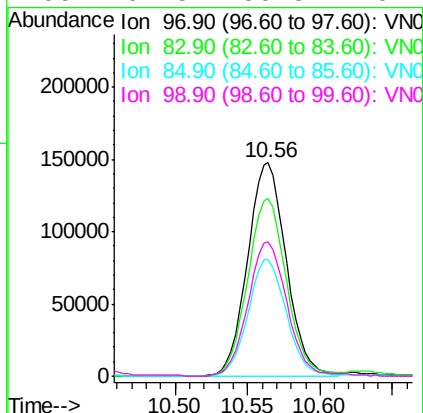
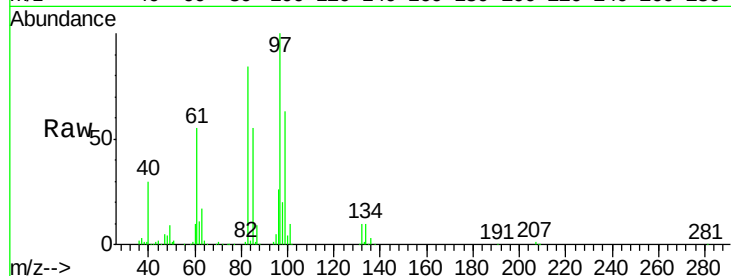




#55
 1,1,2-Trichloroethane
 Concen: 22.324 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

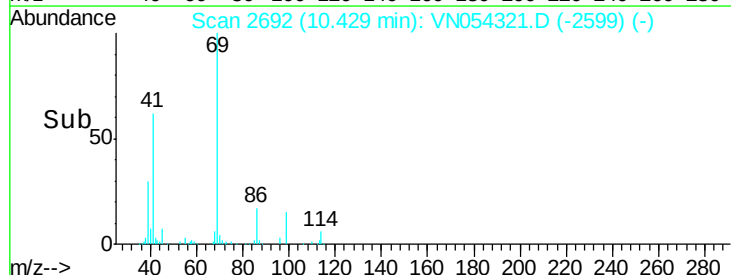
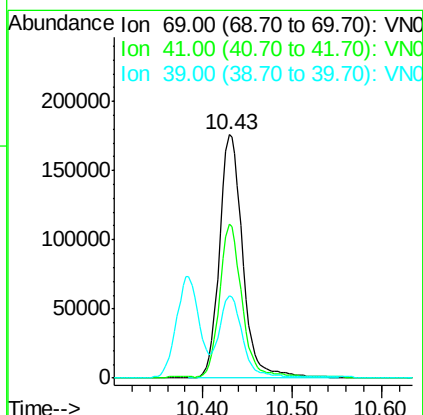
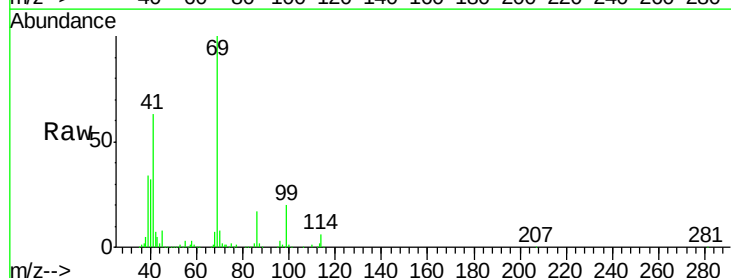
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

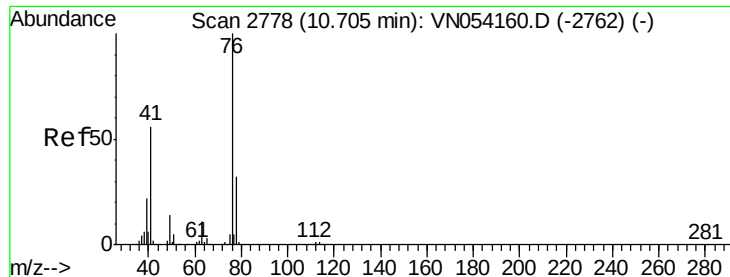
Tot Ion: 97 Resp: 274742
 Ion Ratio Lower Upper
 97 100
 83 83.5 66.6 100.0
 85 54.6 44.4 66.6
 99 62.5 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 21.784 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion: 69 Resp: 319683
 Ion Ratio Lower Upper
 69 100
 41 59.7 49.4 74.2
 39 32.9 28.3 42.5





#57

1,3-Dichloropropane

Concen: 22.023 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

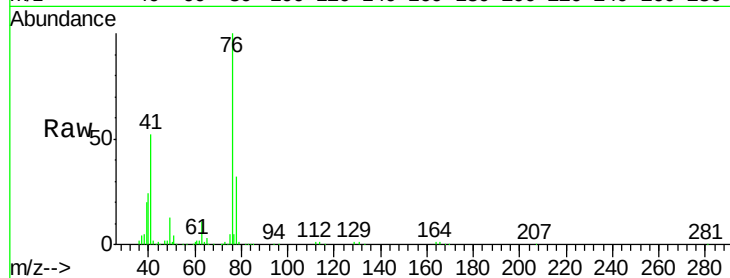
VN0315WBSD01

Tot Ion: 76 Resp: 443200

Ion Ratio Lower Upper

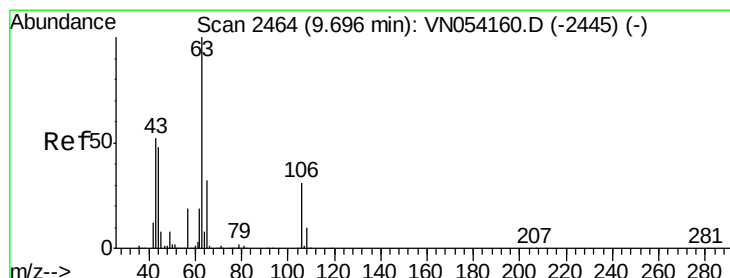
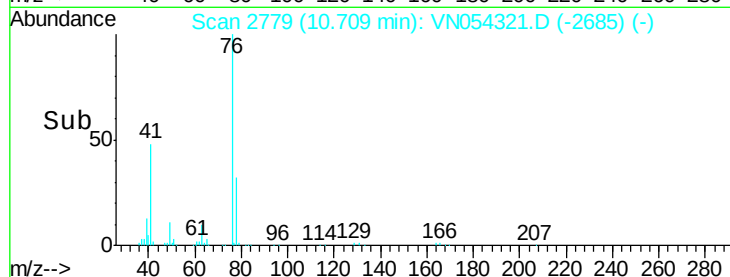
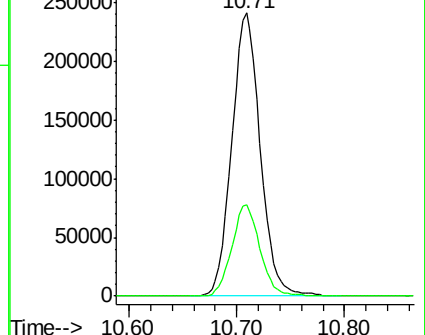
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.383 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054321.D

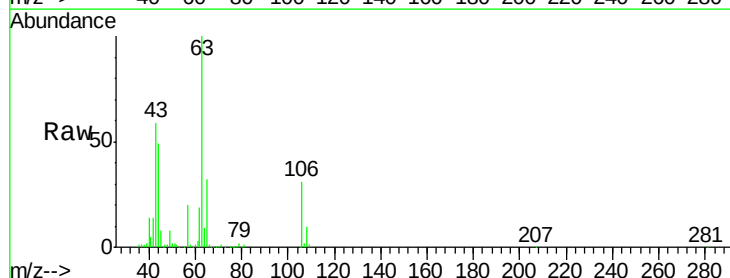
Acq: 15 Mar 2019 20:33

Tgt Ion: 63 Resp: 611307

Ion Ratio Lower Upper

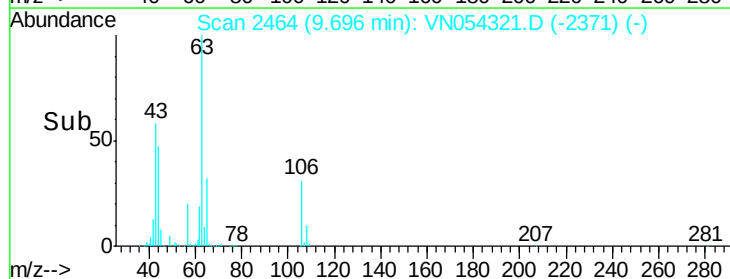
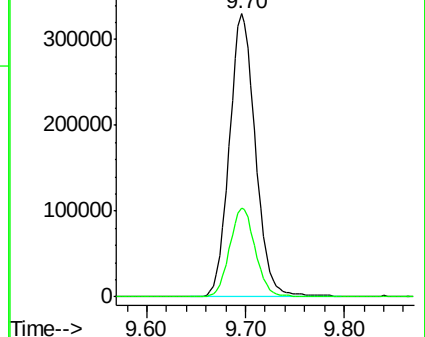
63 100

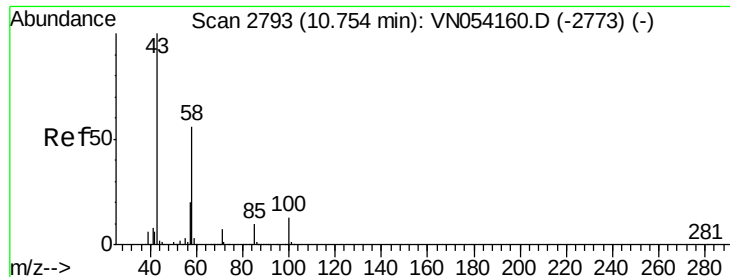
106 31.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

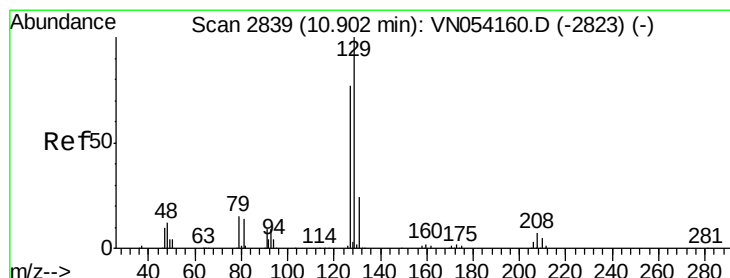
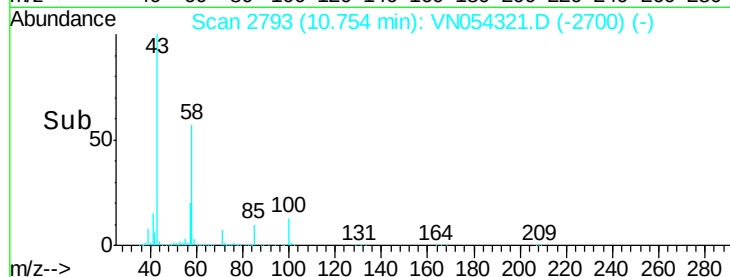
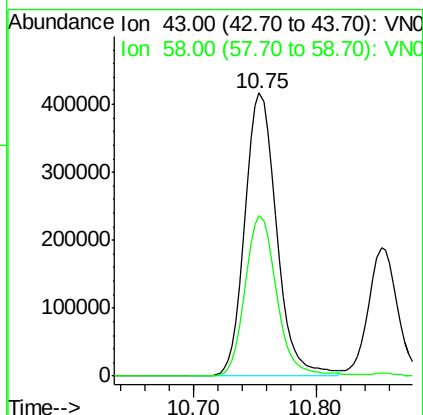
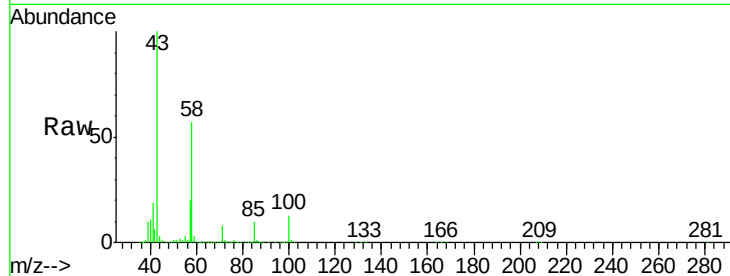




#59
2-Hexanone
Concen: 112.289 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

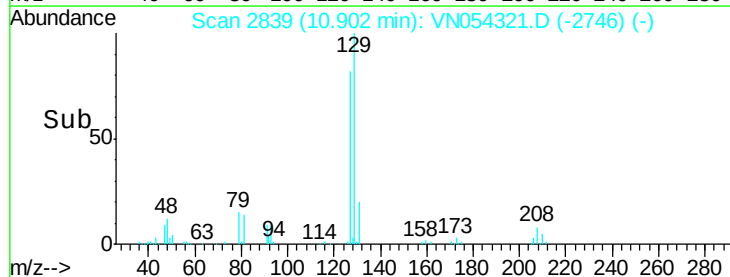
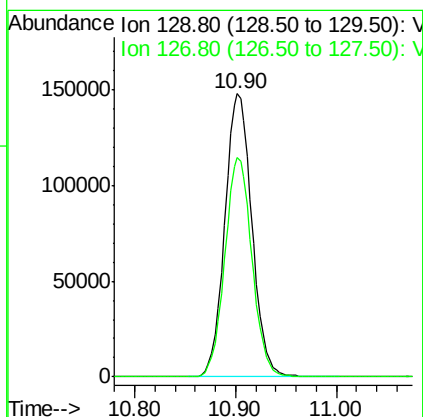
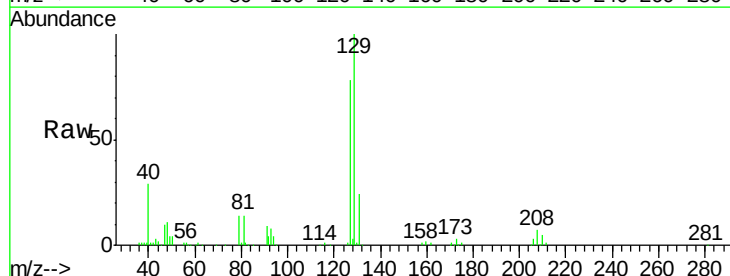
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

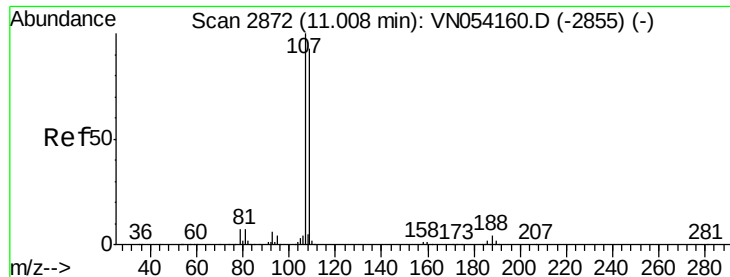
Tot Ion: 43 Resp: 740808
Ion Ratio Lower Upper
43 100
58 56.9 28.0 83.9



#60
Dibromochloromethane
Concen: 19.960 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 129 Resp: 276499
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 22.411 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

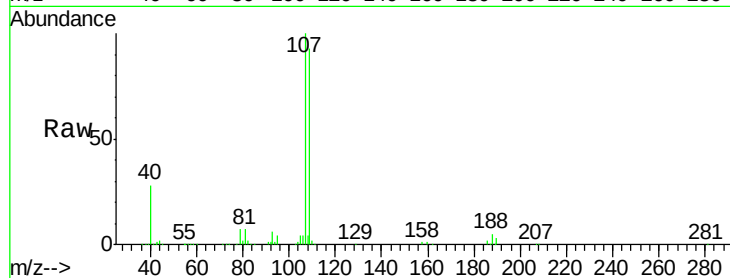
VN0315WBSD01

Tot Ion: 107 Resp: 280292

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

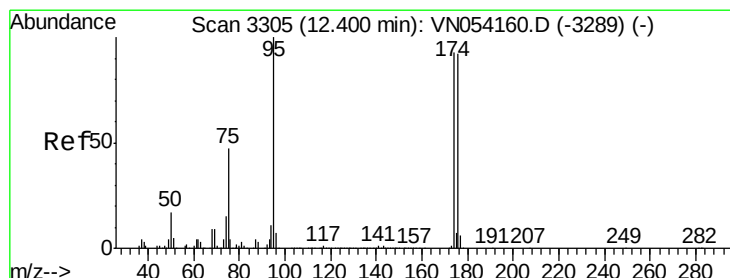
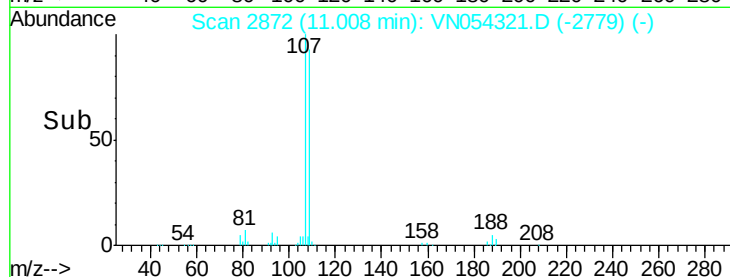
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.494 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

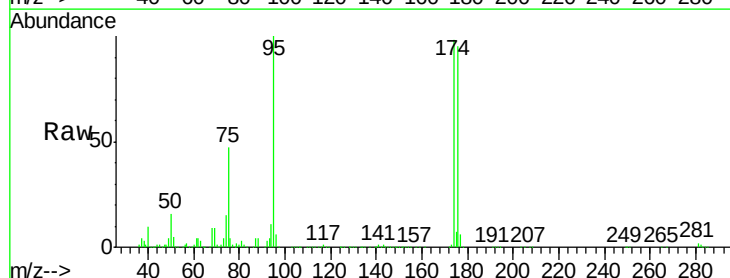
Tgt Ion: 95 Resp: 798459

Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 95.2 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

500000

400000

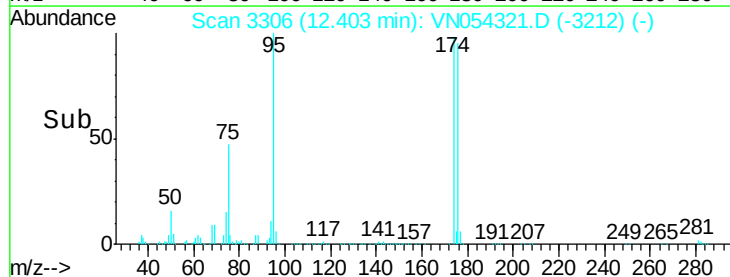
300000

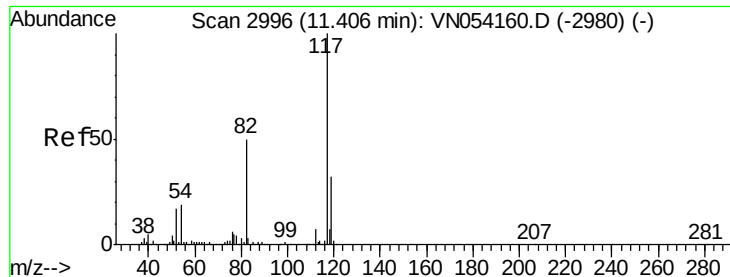
200000

100000

0

Time--> 12.30 12.40 12.50

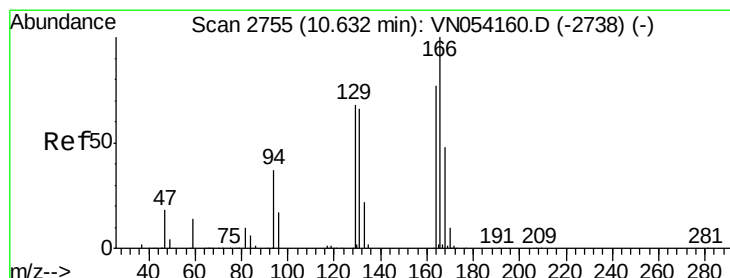
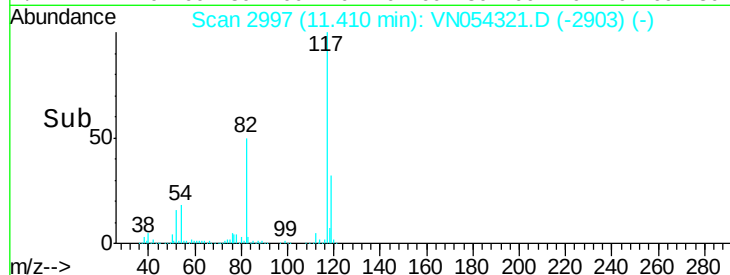
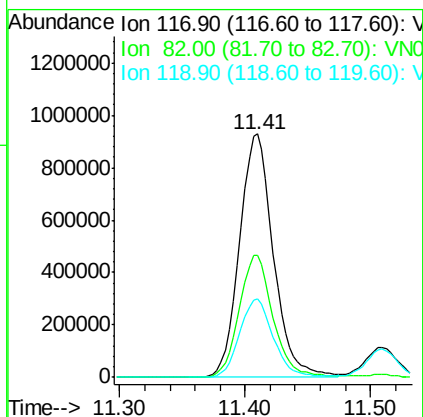
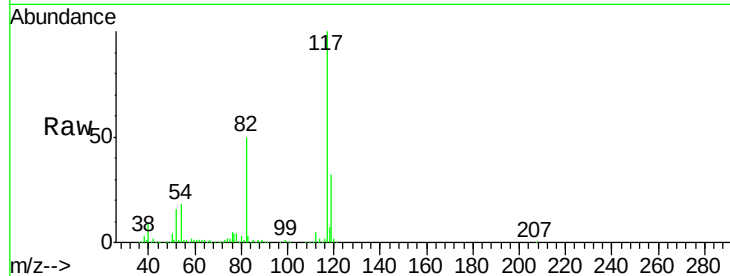




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

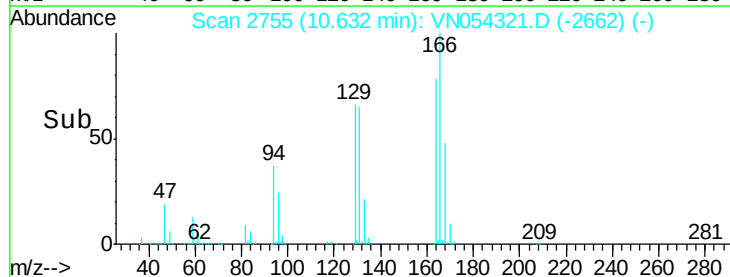
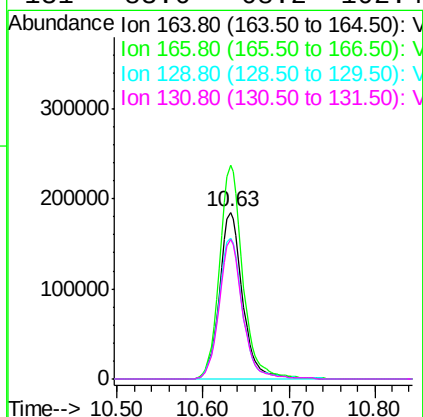
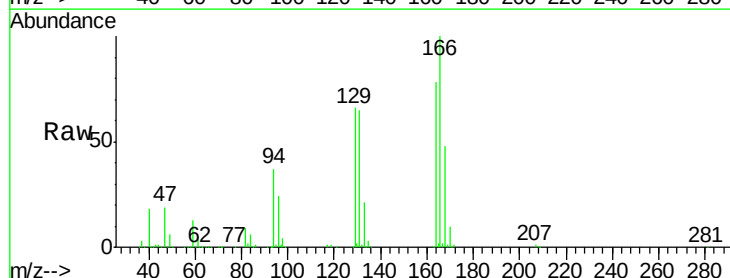
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

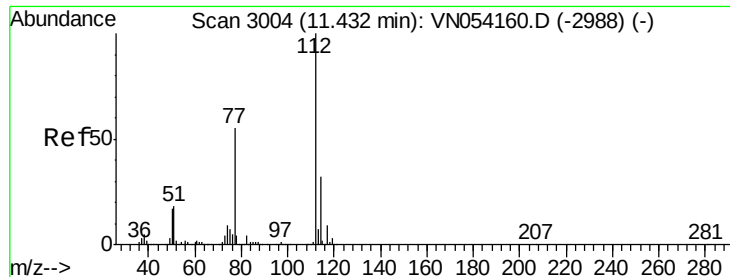
Tot Ion:117 Resp: 1746444
Ion Ratio Lower Upper
117 100
82 50.2 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 20.491 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion:164 Resp: 345992
Ion Ratio Lower Upper
164 100
166 128.1 103.9 155.9
129 84.6 71.1 106.7
131 83.6 68.2 102.4

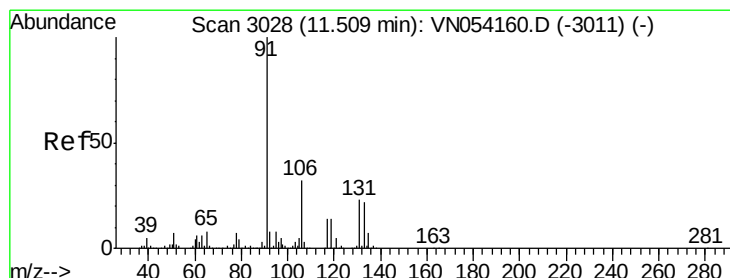
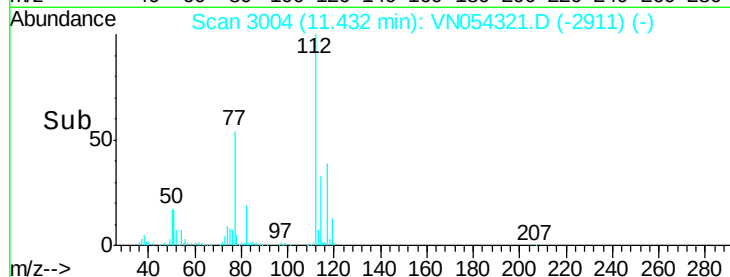
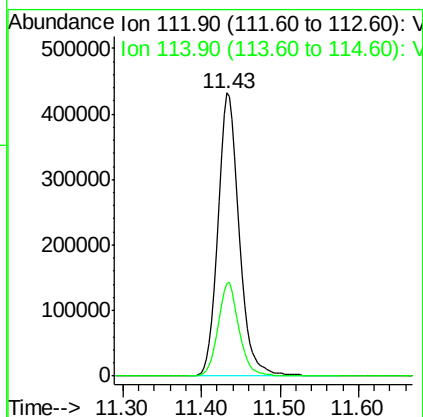
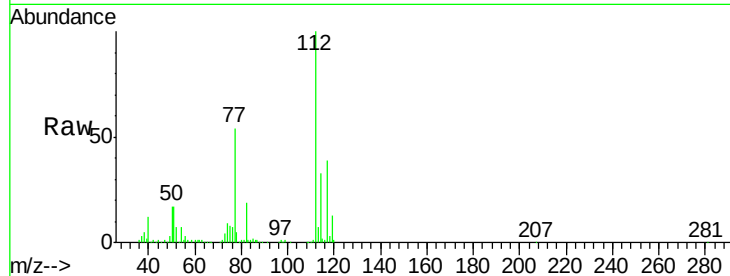




#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

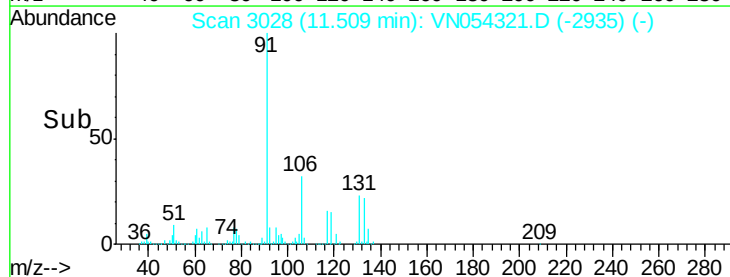
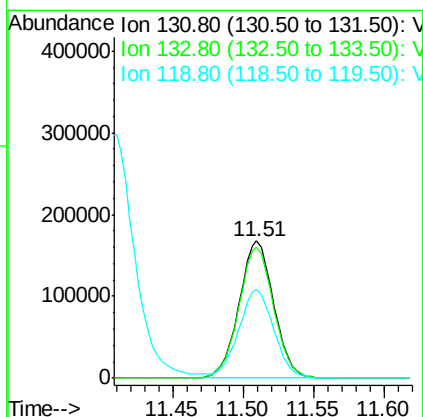
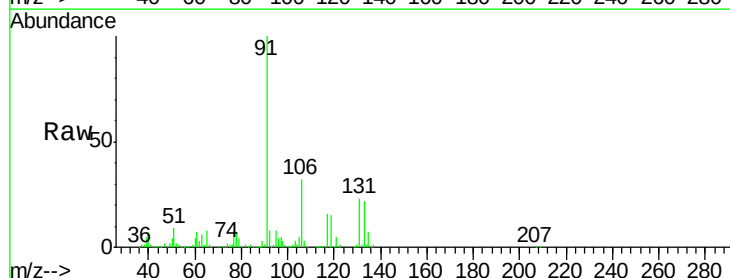
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

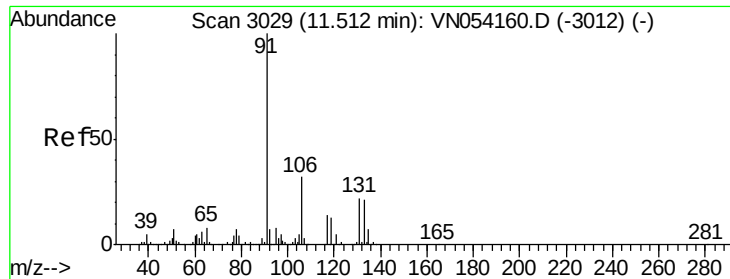
Tot Ion:112 Resp: 802097
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.738 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion:131 Resp: 288890
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 66.2 32.4 97.0





#67

Ethyl Benzene

Concen: 20.354 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

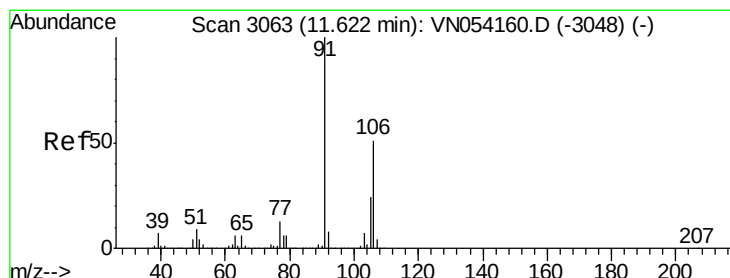
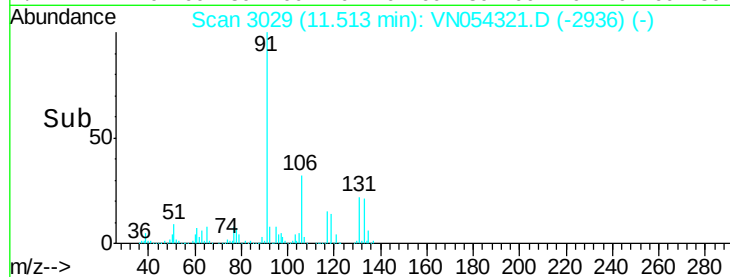
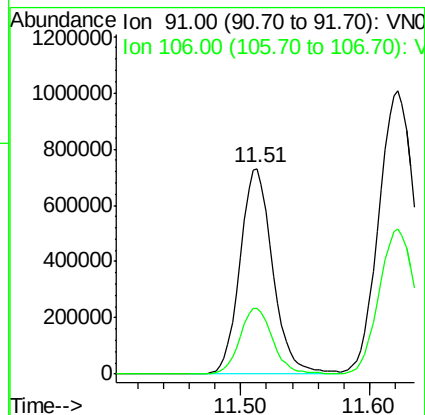
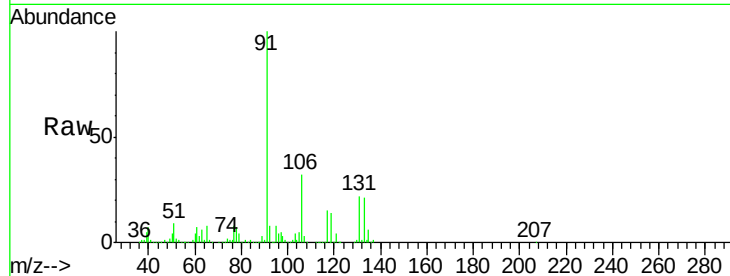
VN0315WBSD01

Tot Ion: 91 Resp: 1293866

Ion Ratio Lower Upper

91 100

106 32.0 25.5 38.3



#68

m/p-Xylenes

Concen: 41.643 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054321.D

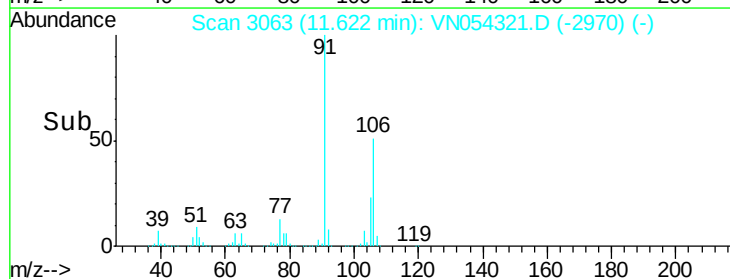
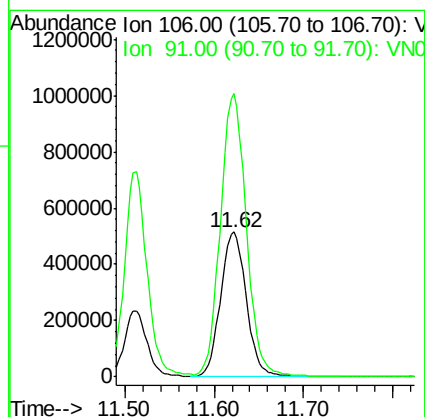
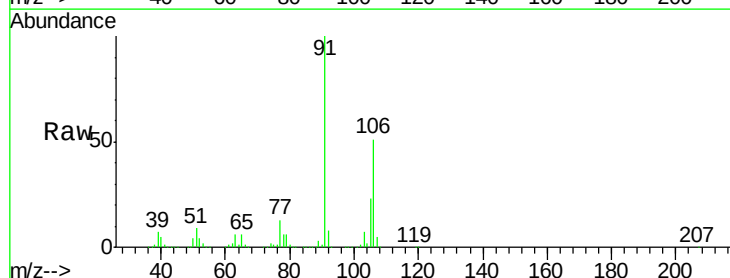
Acq: 15 Mar 2019 20:33

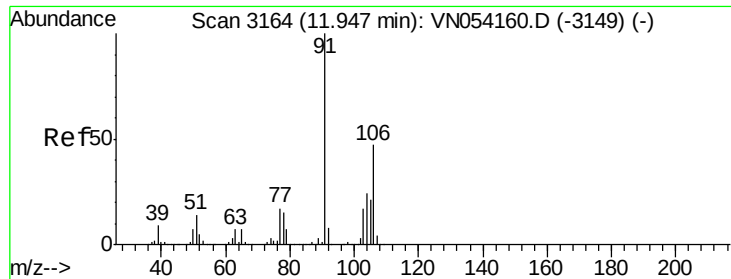
Tgt Ion: 106 Resp: 1034628

Ion Ratio Lower Upper

106 100

91 196.2 159.4 239.2

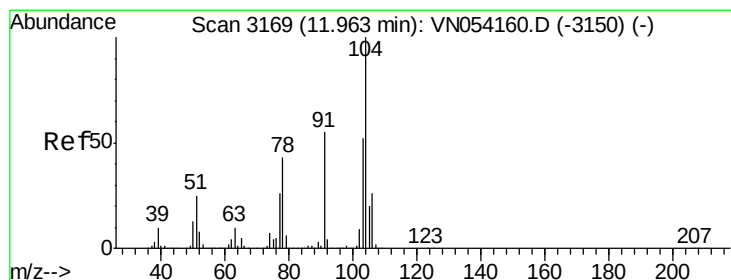
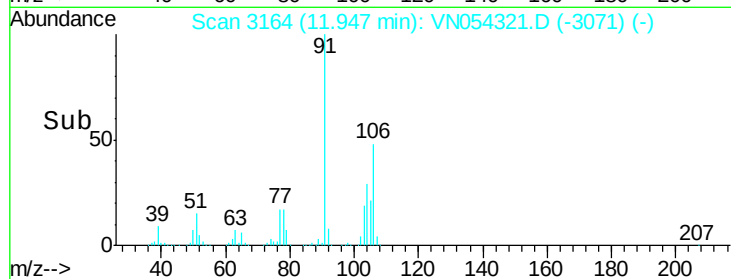
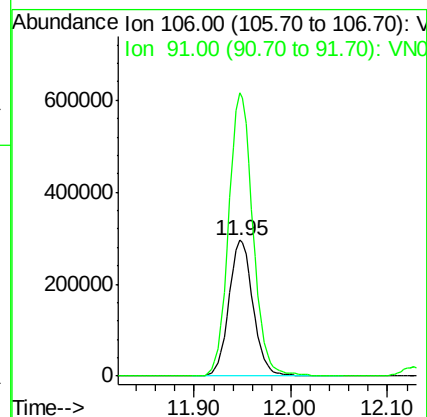
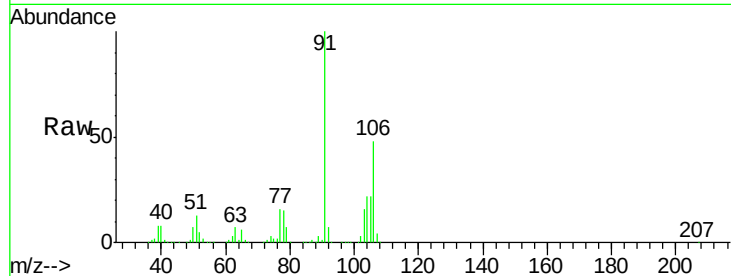




#69
o-Xylene
Concen: 21.239 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

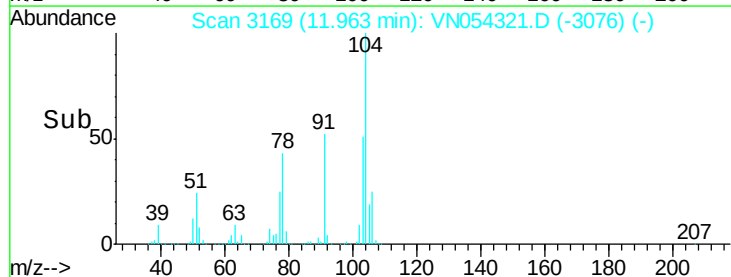
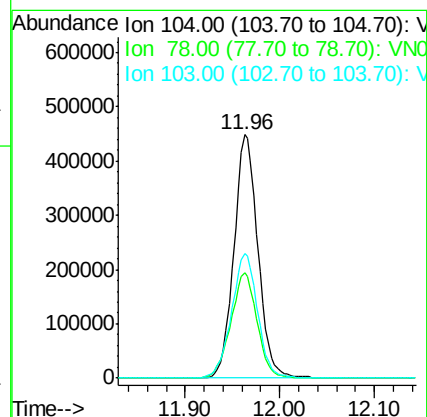
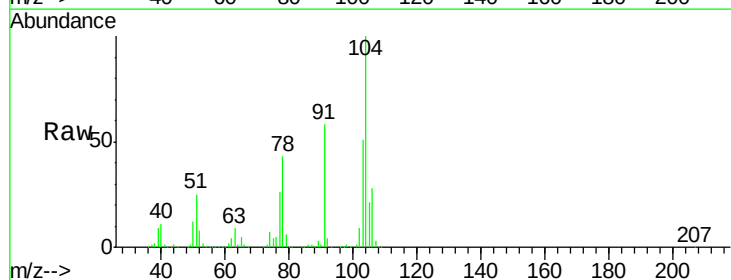
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

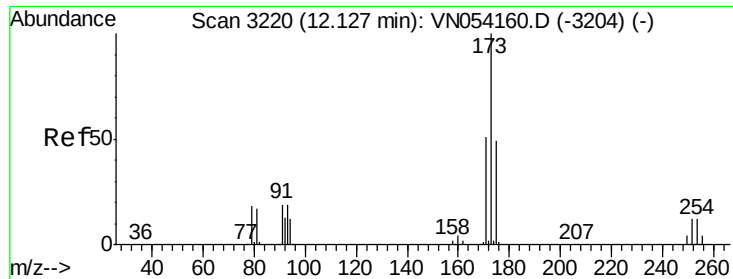
Tot Ion:106 Resp: 514395
Ion Ratio Lower Upper
106 100
91 208.2 105.7 317.1



#70
Styrene
Concen: 20.797 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion:104 Resp: 789957
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.738 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VN0315WBSD01

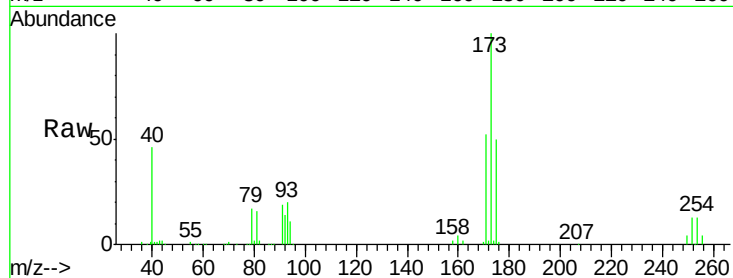
Tot Ion:173 Resp: 182608

Ion Ratio Lower Upper

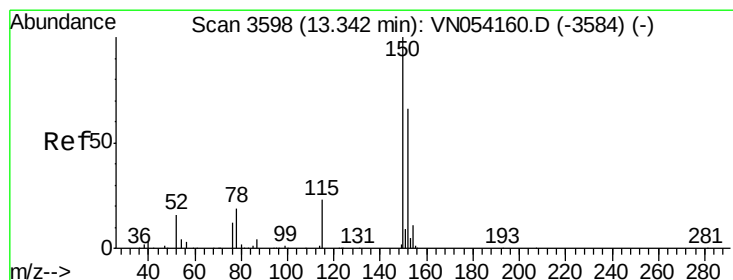
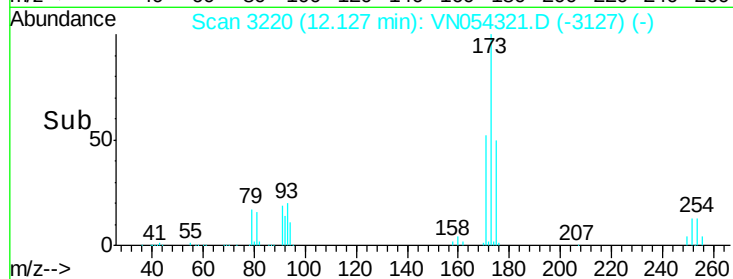
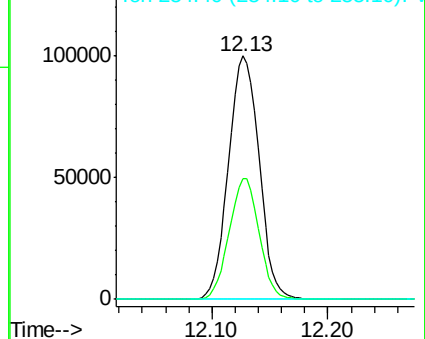
173 100

175 48.4 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

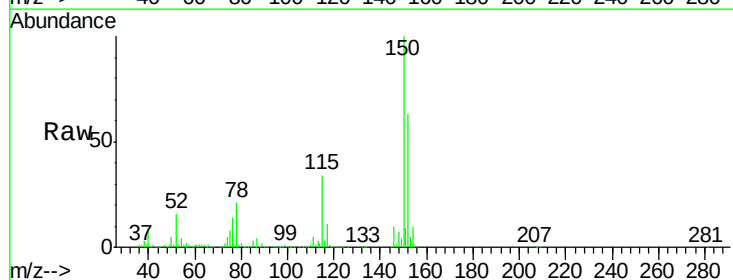
Tgt Ion:152 Resp: 783337

Ion Ratio Lower Upper

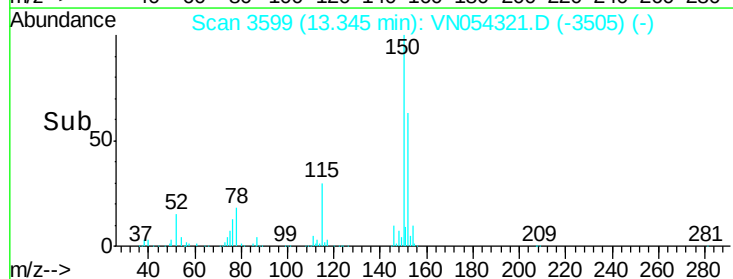
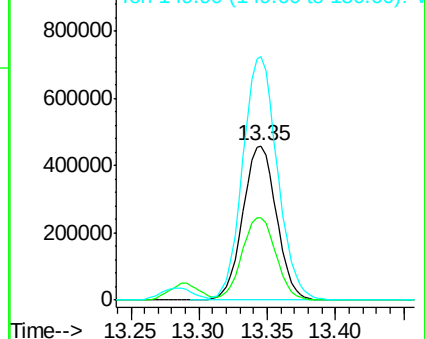
152 100

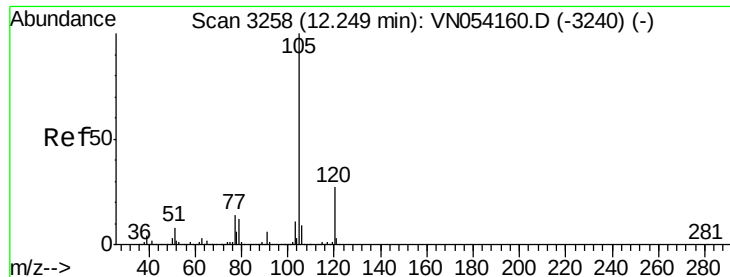
115 54.0 27.2 81.6

150 163.1 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: 21.376 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

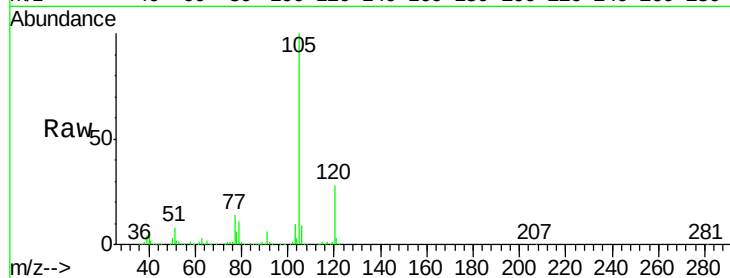
VN0315WBSD01

Tot Ion:105 Resp: 1339684

Ion Ratio Lower Upper

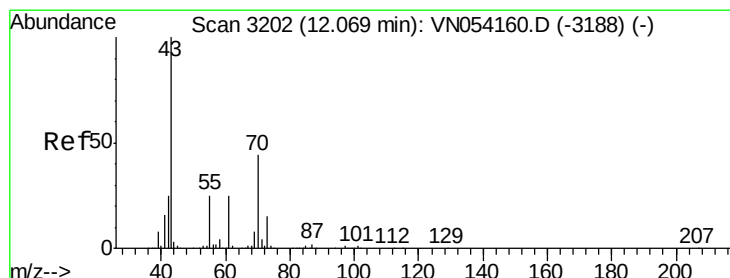
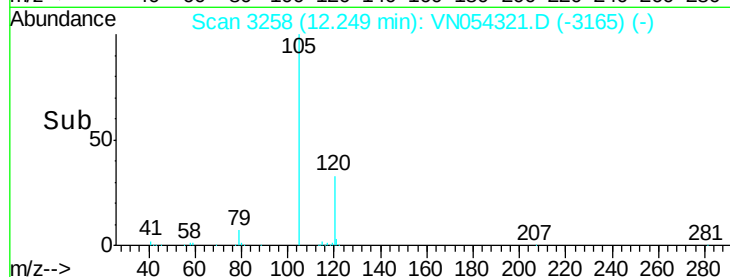
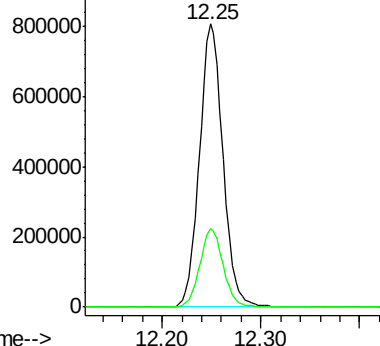
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.714 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Tgt Ion: 43 Resp: 302065

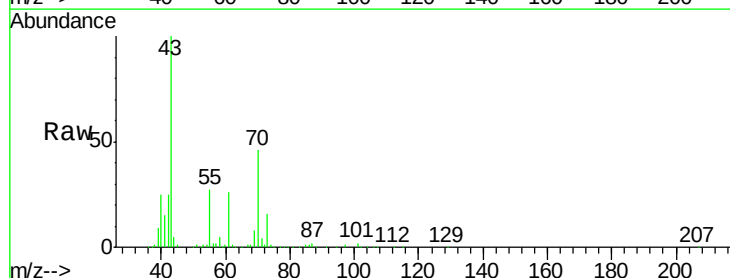
Ion Ratio Lower Upper

43 100

70 47.2 35.4 53.0

55 26.7 19.8 29.6

61 26.3 19.8 29.6

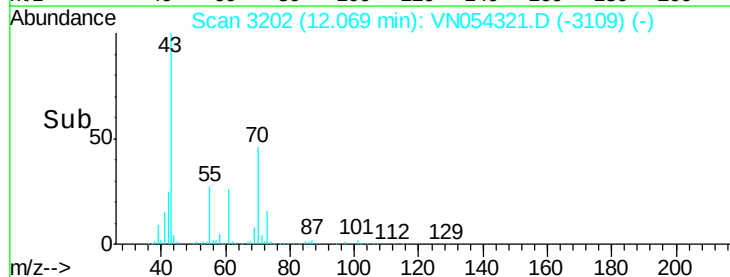
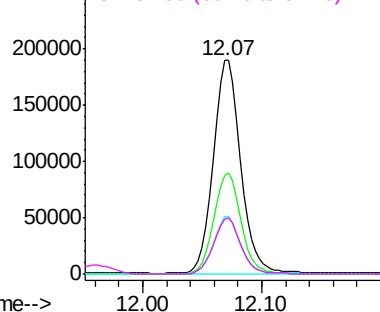


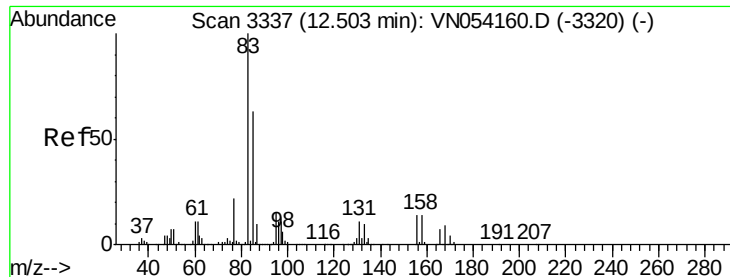
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.159 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

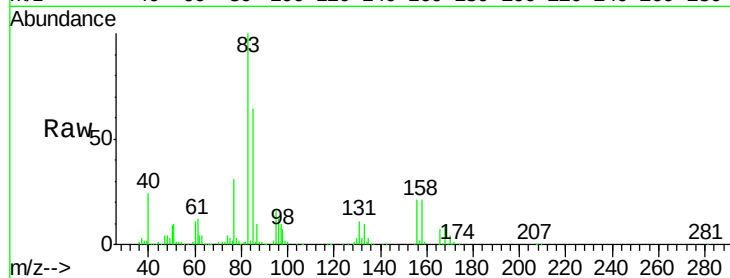
Tot Ion: 83 Resp: 322588

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

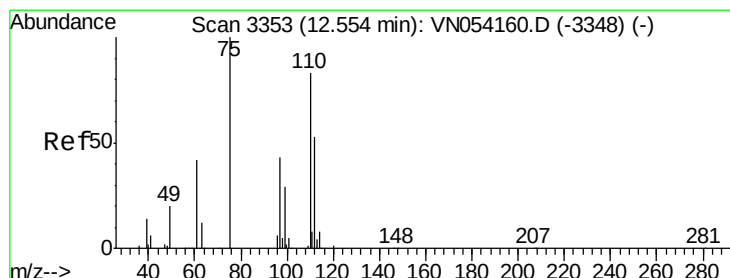
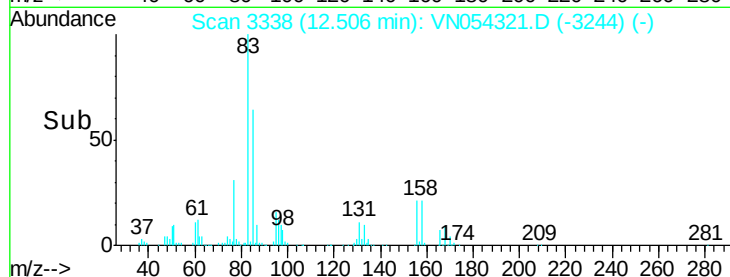
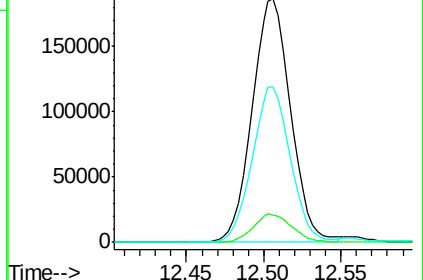
85 63.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.915 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054321.D

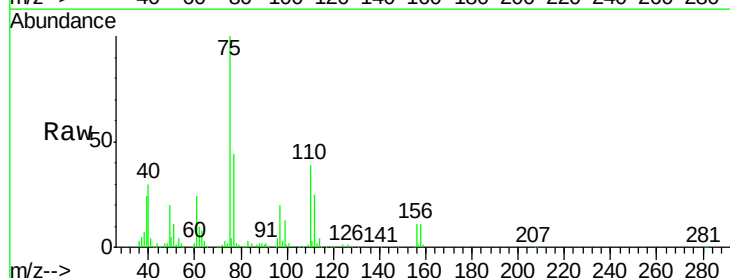
Acq: 15 Mar 2019 20:33

Tgt Ion: 75 Resp: 356119

Ion Ratio Lower Upper

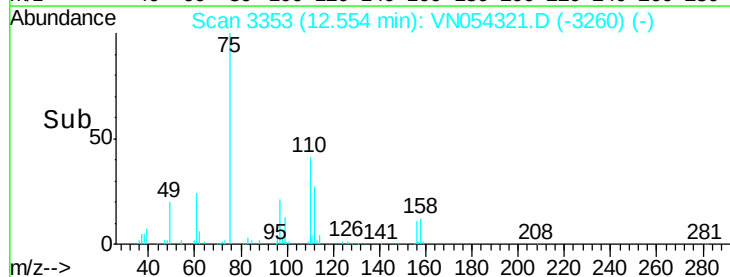
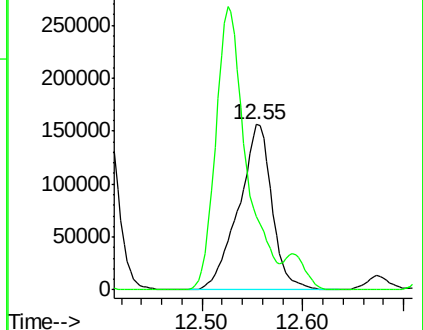
75 100

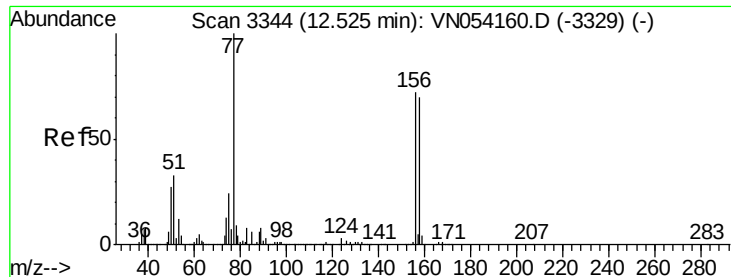
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.716 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampled :

VN0315WBSD01

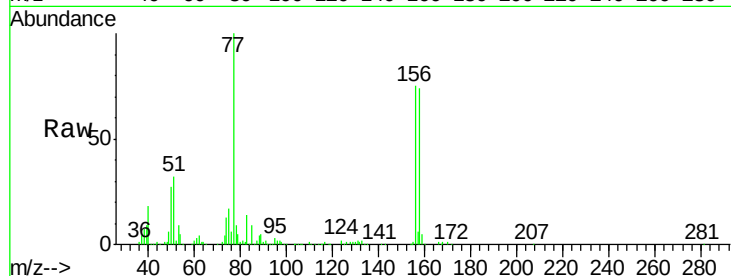
Tot Ion:156 Resp: 360130

Ion Ratio Lower Upper

156 100

77 157.0 81.5 244.4

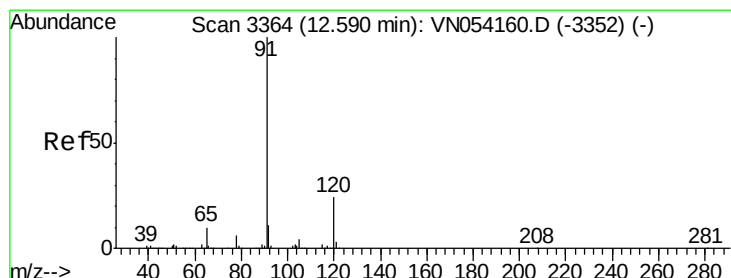
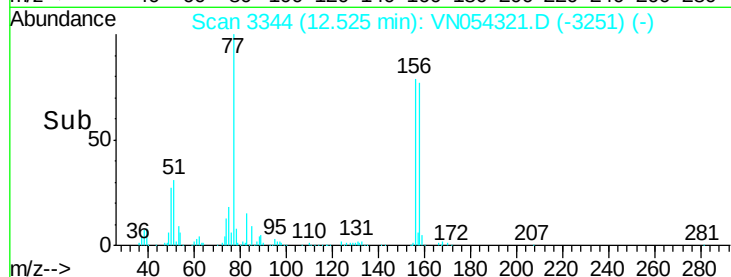
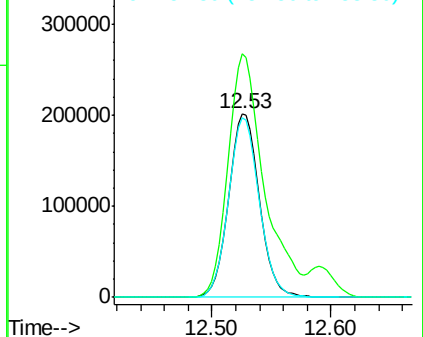
158 98.1 49.0 147.2



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: 20.385 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054321.D

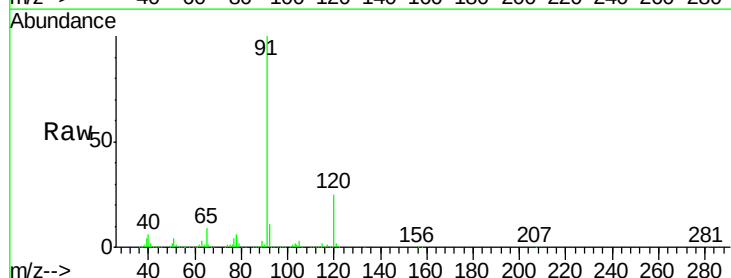
Acq: 15 Mar 2019 20:33

Tgt Ion: 91 Resp: 1386222

Ion Ratio Lower Upper

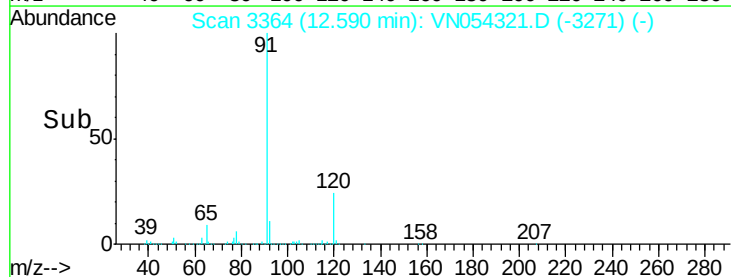
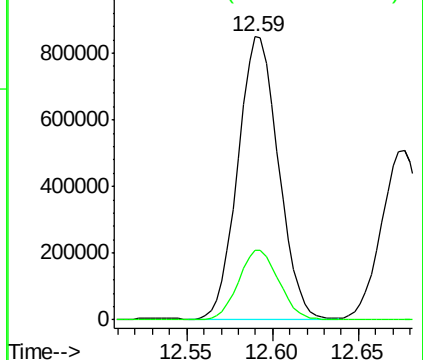
91 100

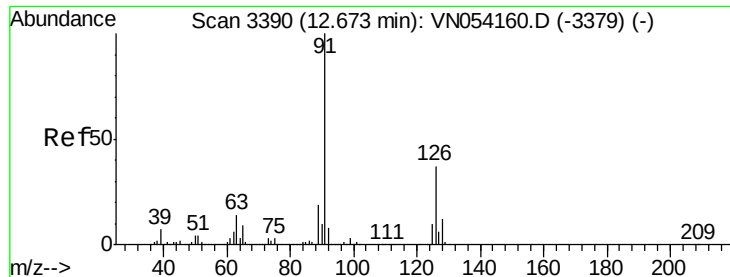
120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.292 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

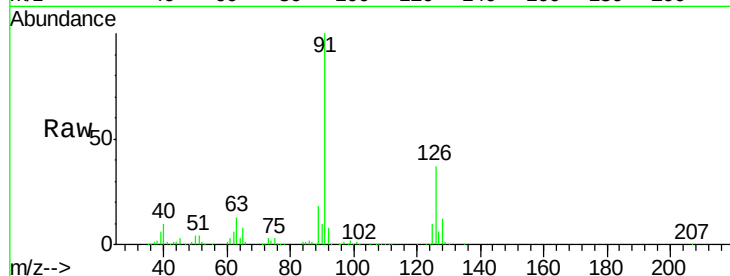
VN0315WBSD01

Tot Ion: 91 Resp: 870603

Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054321.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN054321.D (-3391) (-)

600000

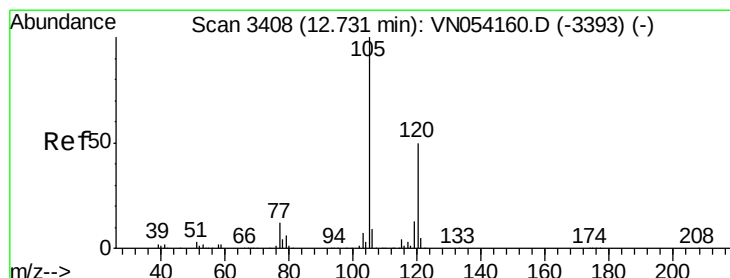
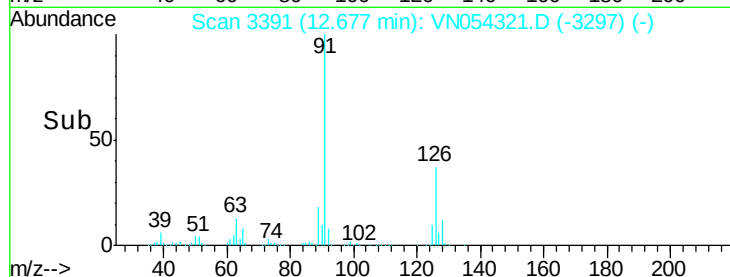
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.500 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054321.D

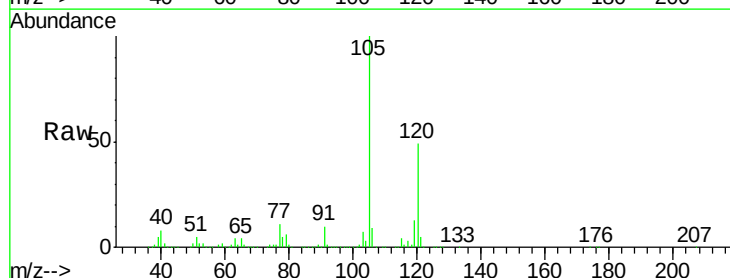
Acq: 15 Mar 2019 20:33

Tgt Ion:105 Resp: 1068650

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054321.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN054321.D (-3409) (-)

600000

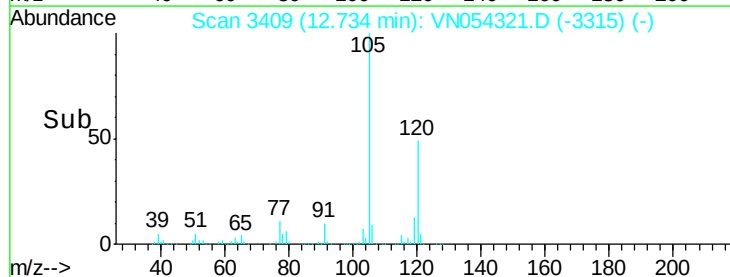
400000

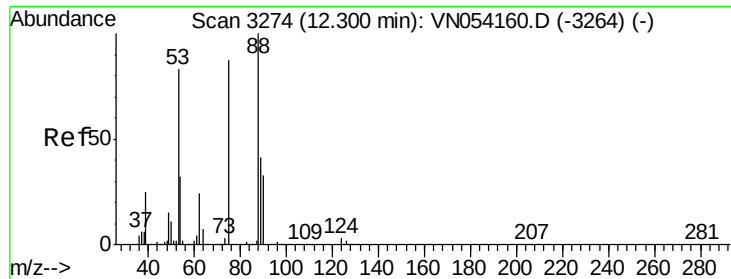
200000

0

12.70 12.73 12.80

Time-->

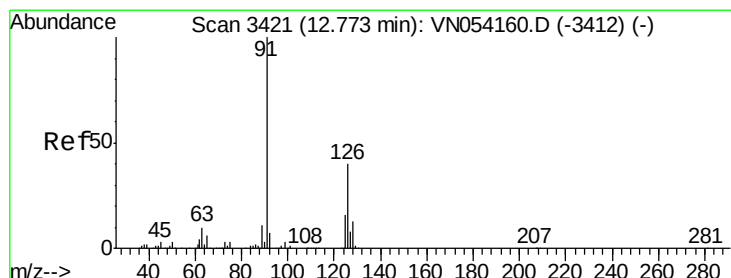
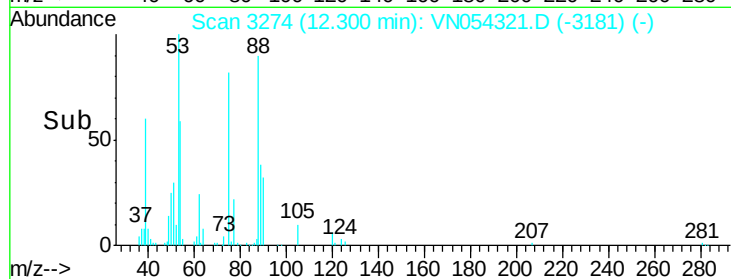
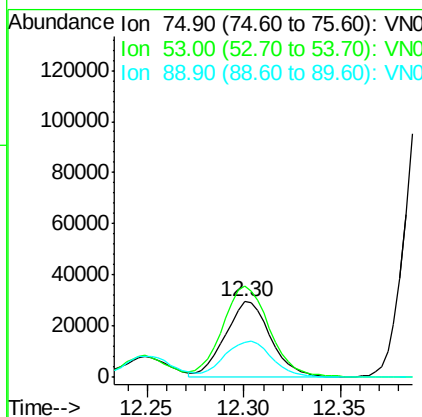
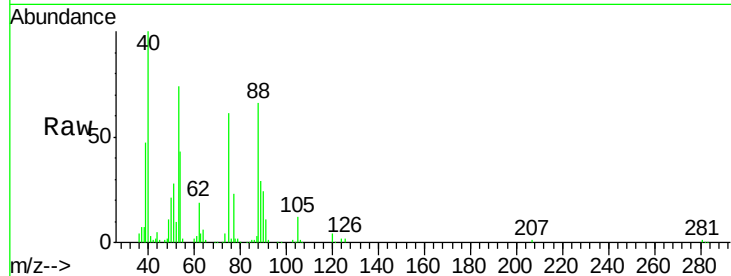




#81
trans-1,4-Dichloro-2-butene
Concen: 14.241 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

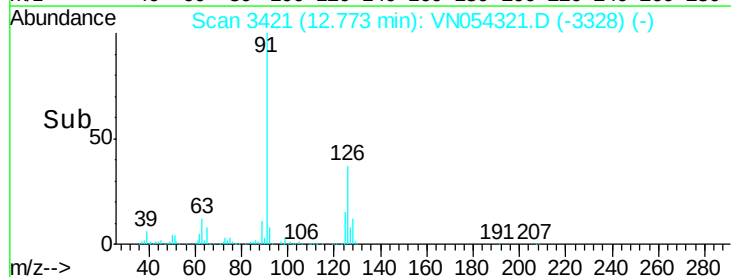
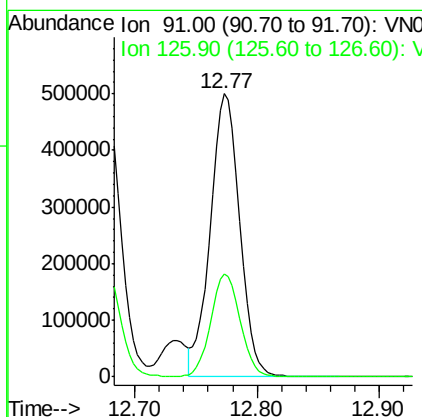
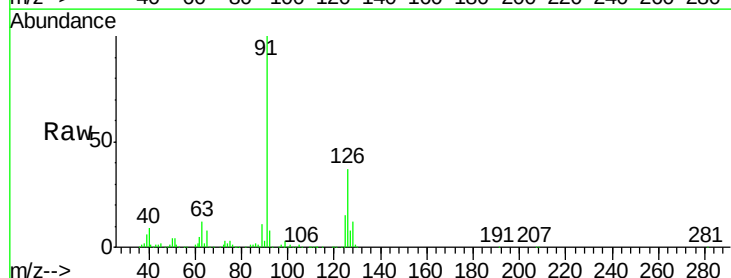
Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

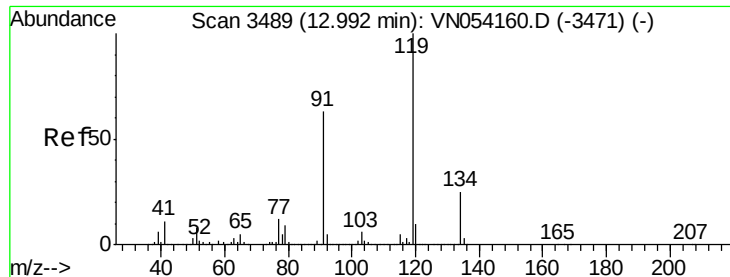
Tot Ion: 75 Resp: 47990
Ion Ratio Lower Upper
75 100
53 125.2 76.2 114.2#
89 51.1 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.658 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion: 91 Resp: 843408
Ion Ratio Lower Upper
91 100
126 36.5 18.1 54.1

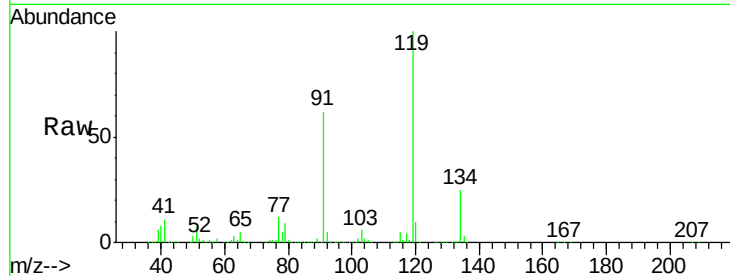




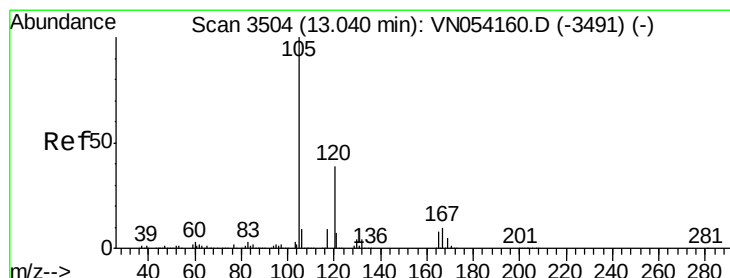
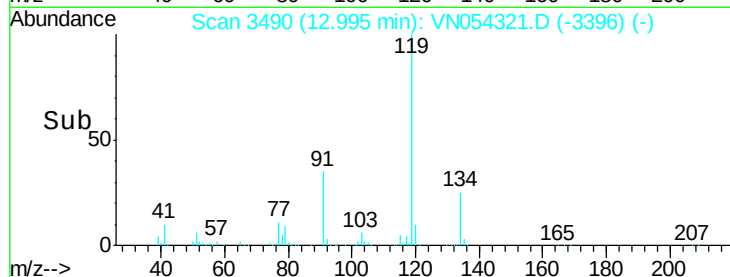
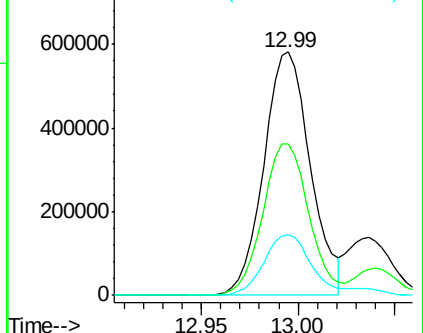
#83
 tert-Butylbenzene
 Concen: 20.323 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

Tot Ion:119 Resp: 975132
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.9 92.8
 134 25.0 13.2 39.6

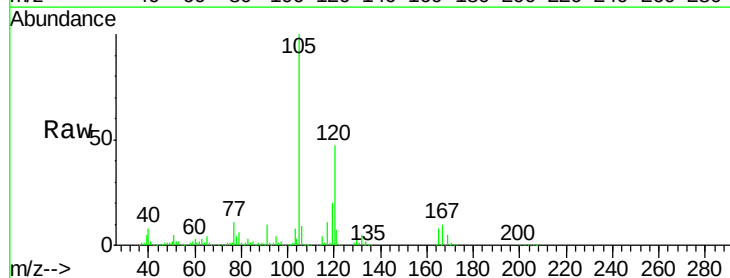


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

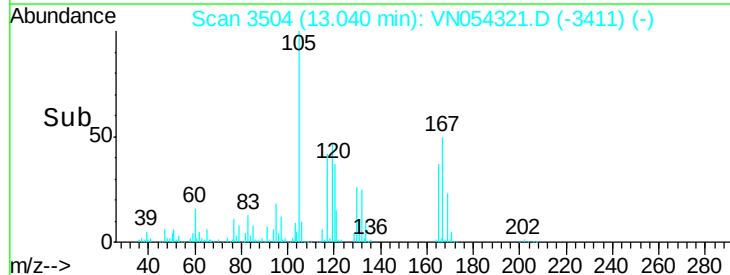
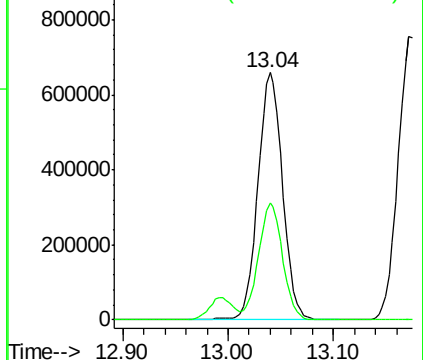


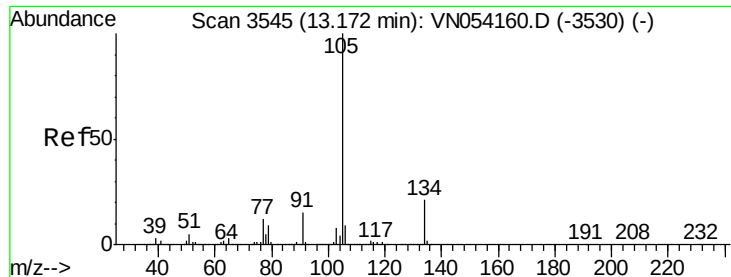
#84
 1,2,4-Trimethylbenzene
 Concen: 21.003 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion:105 Resp: 1074132
 Ion Ratio Lower Upper
 105 100
 120 46.4 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: 19.484 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

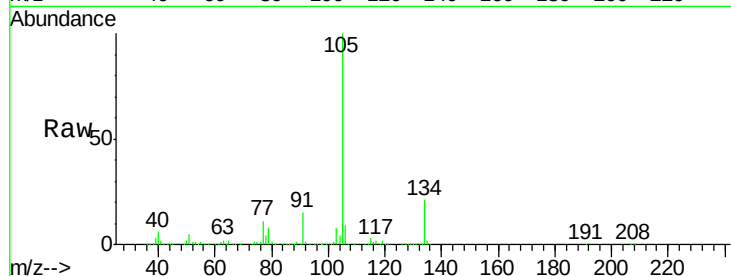
VN0315WBSD01

Tot Ion:105 Resp: 1212396

Ion Ratio Lower Upper

105 100

134 21.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

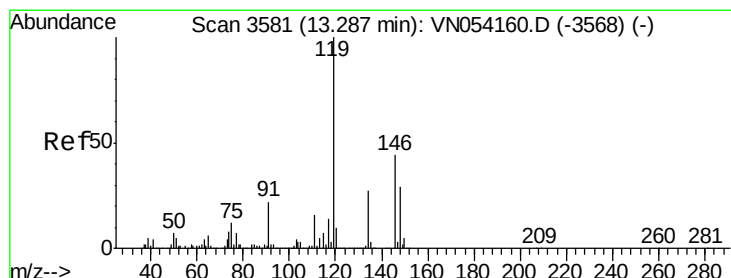
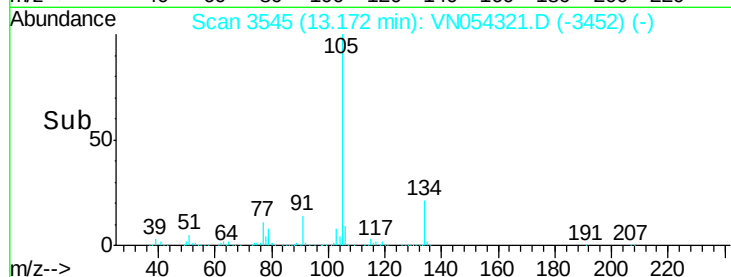
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.060 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

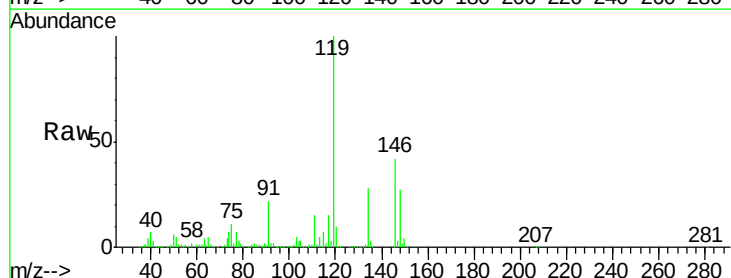
Tgt Ion:119 Resp: 1040507

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 21.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

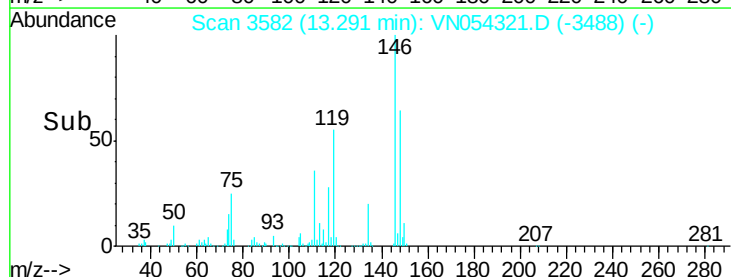
600000

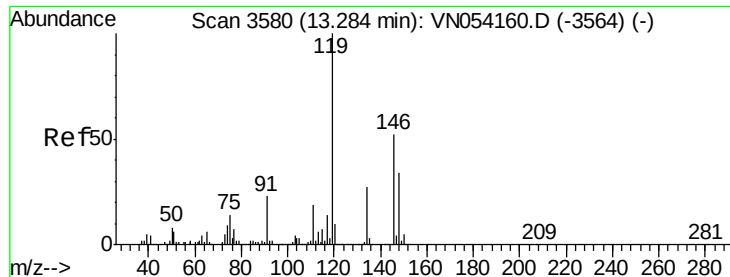
400000

200000

0

Time-->

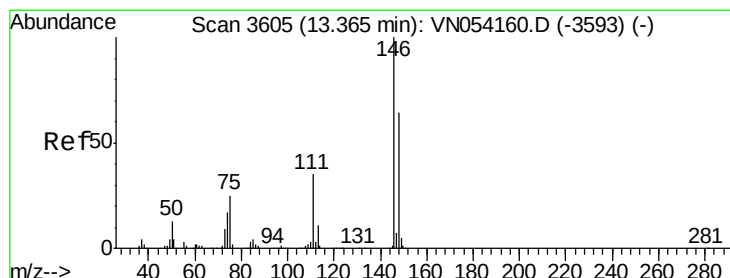
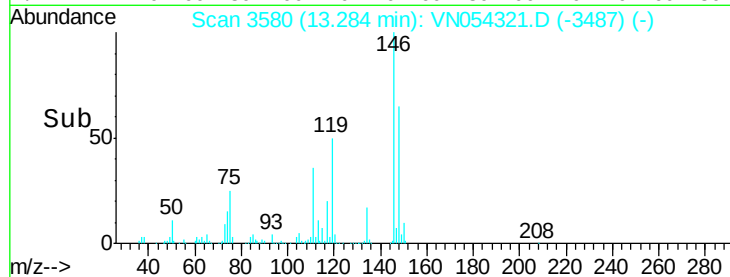
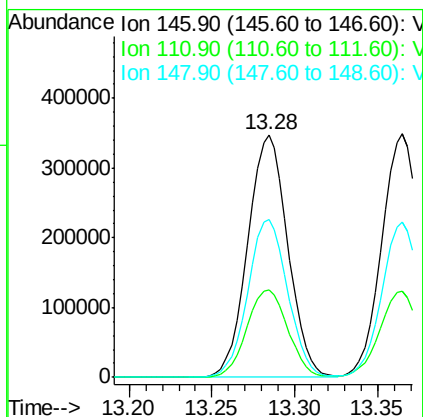
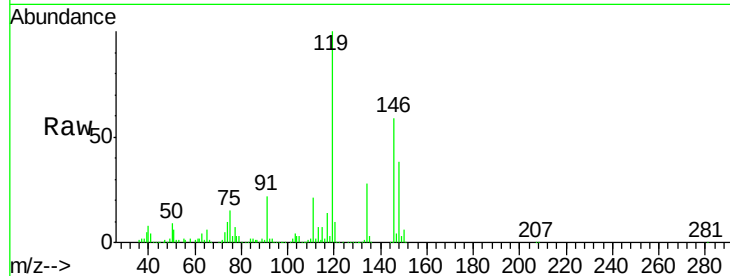




#87
 1,3-Dichlorobenzene
 Concen: 20.846 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

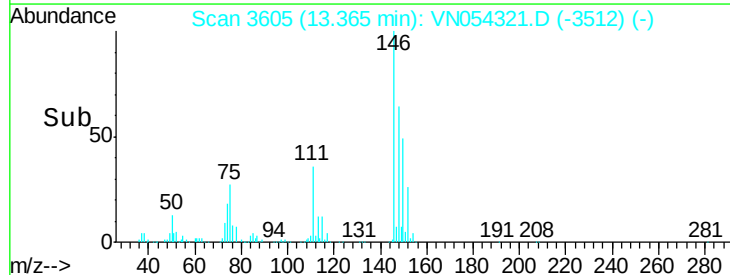
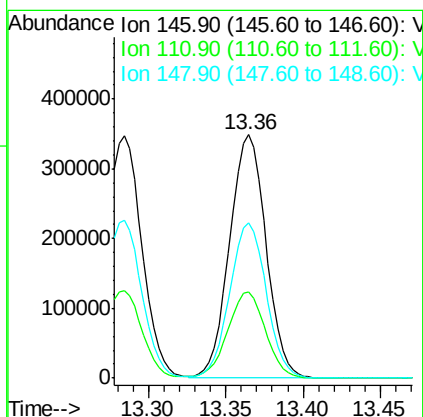
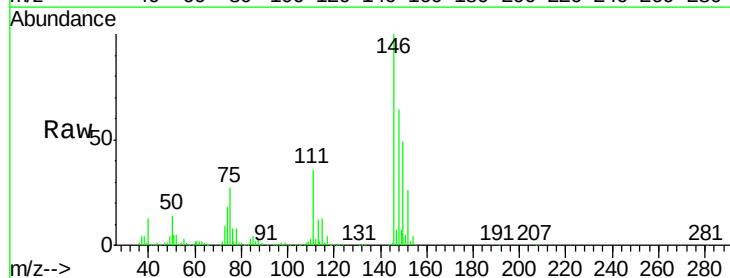
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

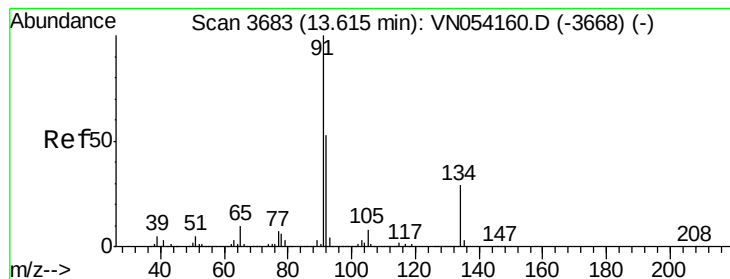
Tot Ion:146 Resp: 582523
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 65.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.768 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion:146 Resp: 570114
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.1
 148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 17.616 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

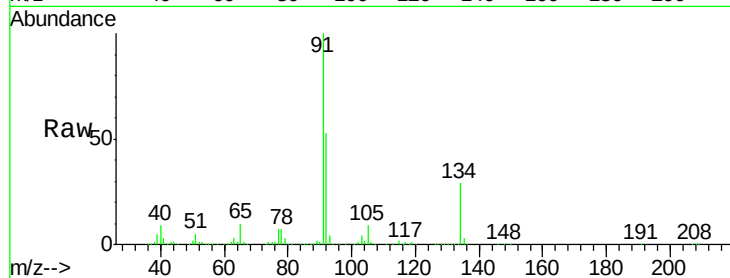
Tot Ion: 91 Resp: 730694

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

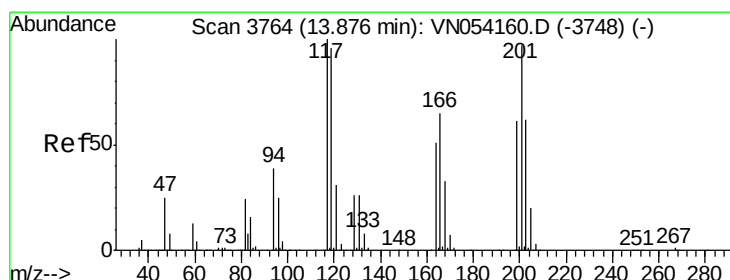
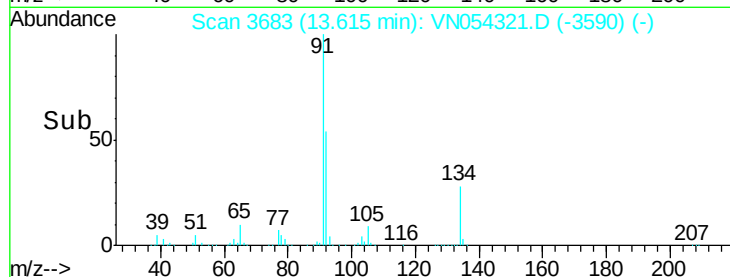
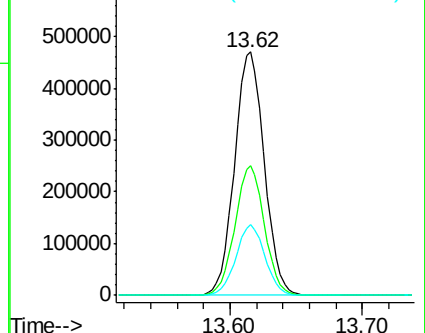
134 28.5 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 16.911 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054321.D

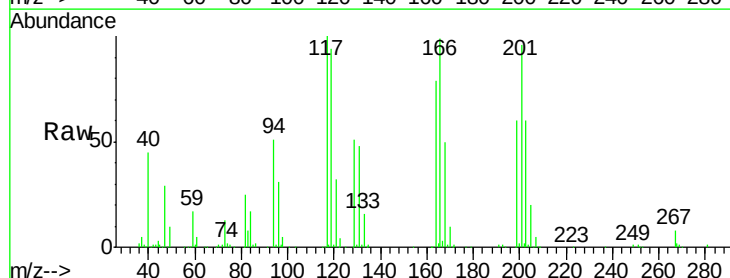
Acq: 15 Mar 2019 20:33

Tgt Ion: 117 Resp: 152863

Ion Ratio Lower Upper

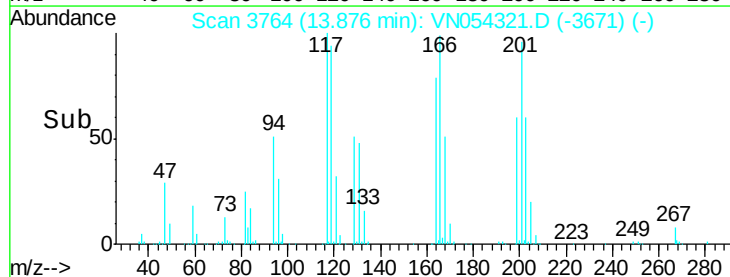
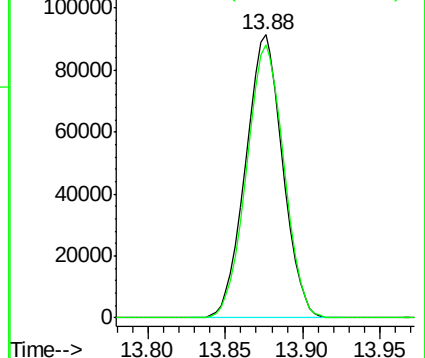
117 100

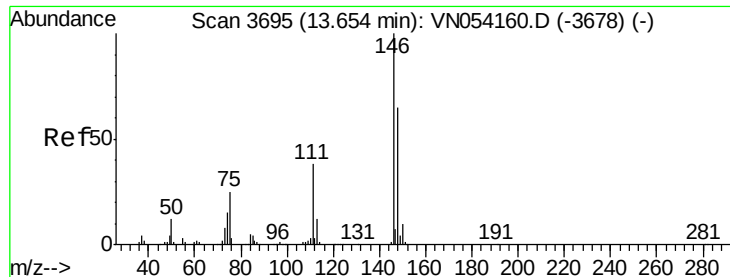
201 97.0 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.874 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBSD01

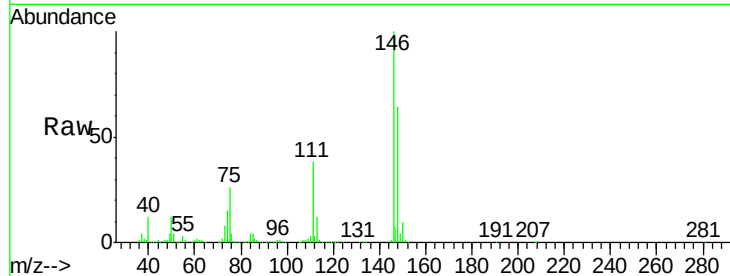
Tot Ion:146 Resp: 597545

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.3

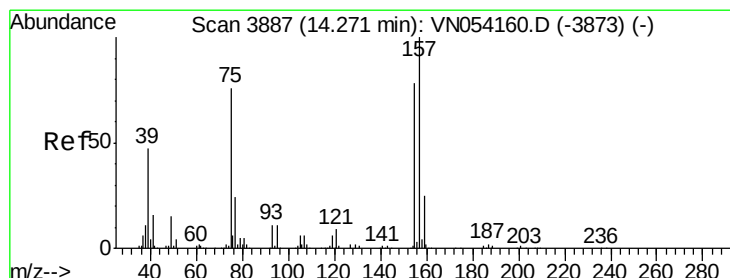
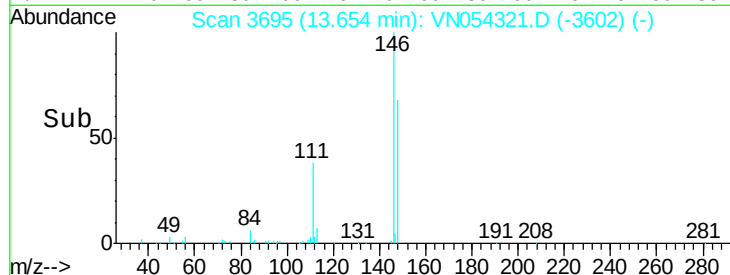
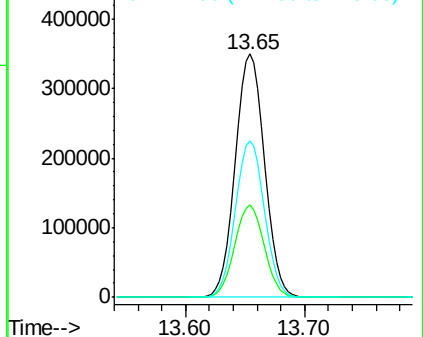
148 63.9 32.4 97.0



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: 22.488 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054321.D

Acq: 15 Mar 2019 20:33

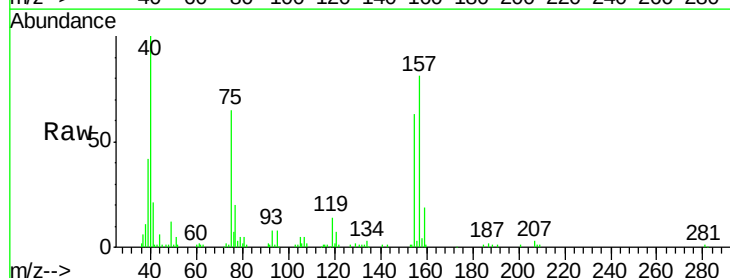
Tgt Ion: 75 Resp: 46465

Ion Ratio Lower Upper

75 100

155 102.5 50.1 150.3

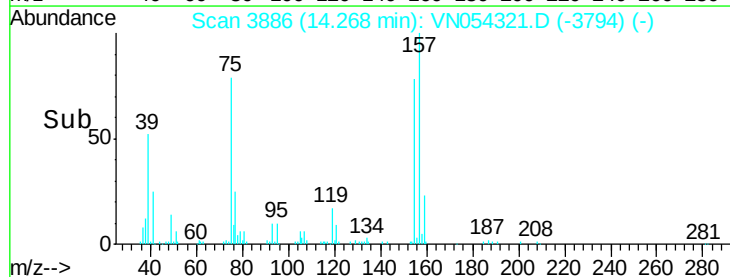
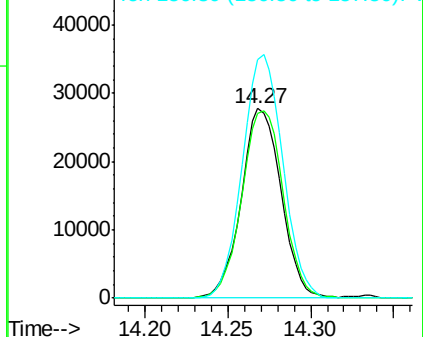
157 130.1 63.1 189.3

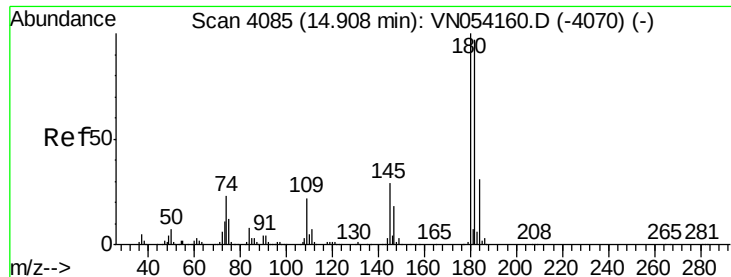


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

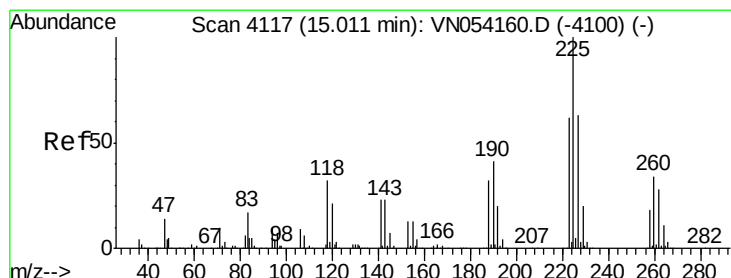
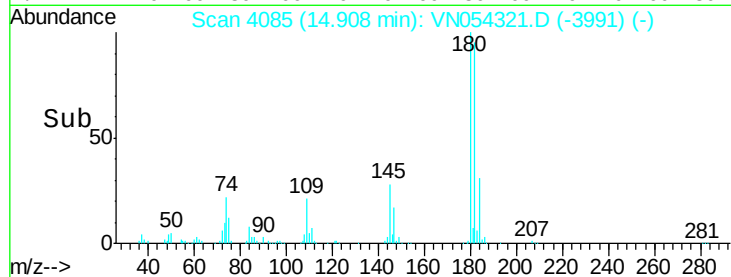
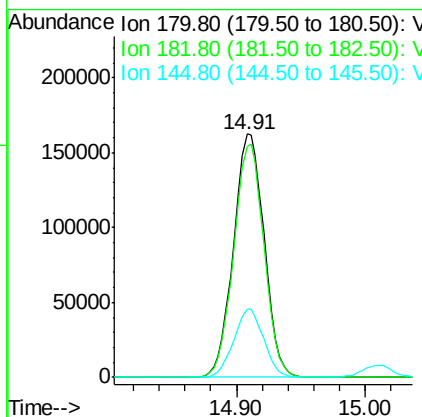
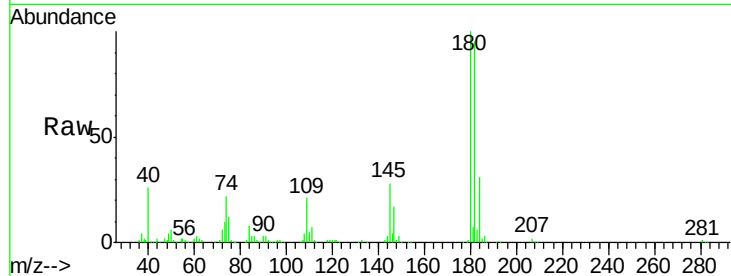




#93
 1,2,4-Trichlorobenzene
 Concen: 17.960 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

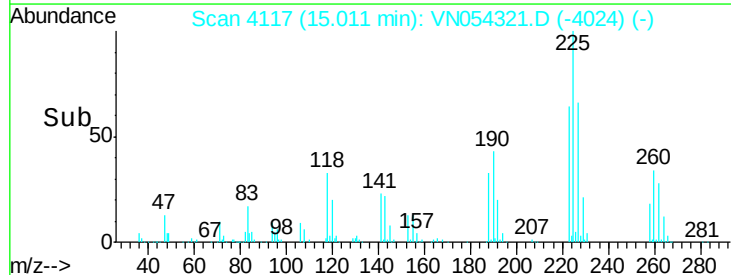
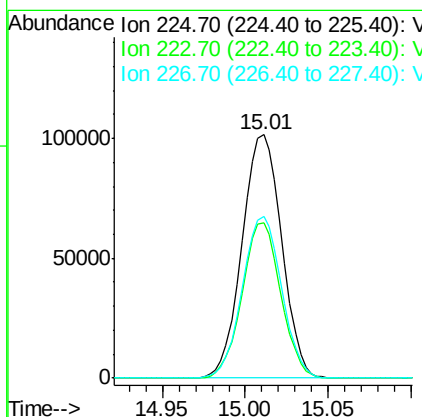
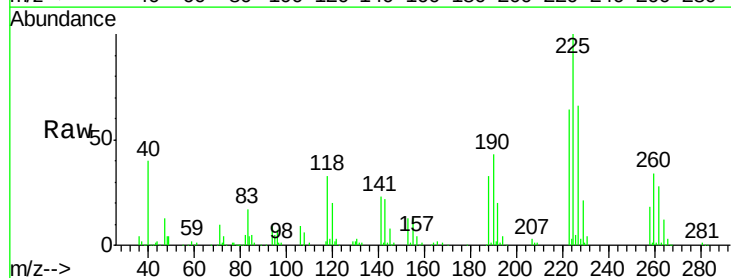
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBSD01

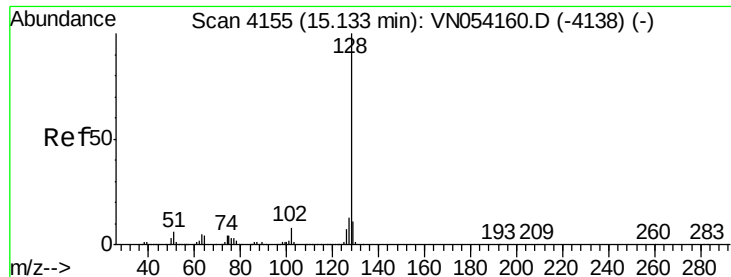
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	27.4	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 16.233 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054321.D
 Acq: 15 Mar 2019 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	66.0	31.9	95.9

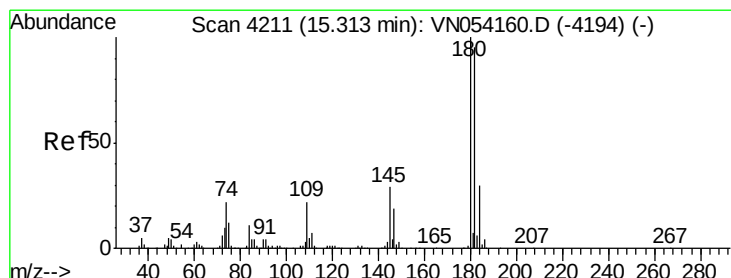
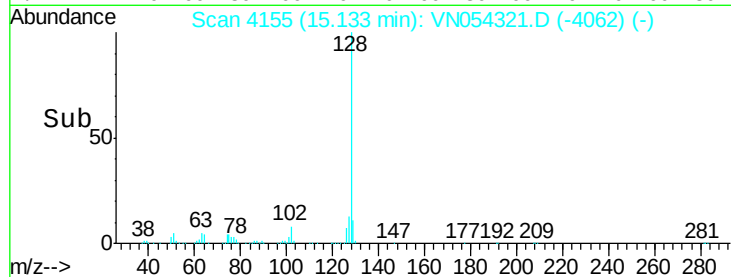
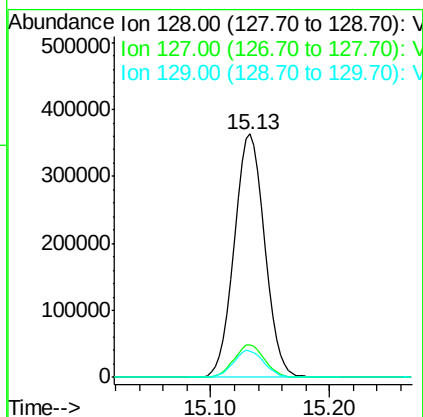
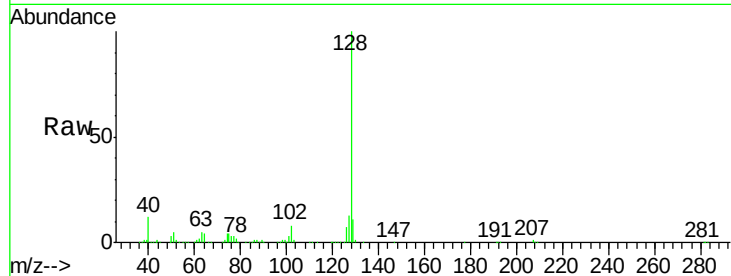




#95
Naphthalene
Concen: 20.927 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBSD01

Tot Ion:128 Resp: 644523
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.286 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054321.D
Acq: 15 Mar 2019 20:33

Tgt Ion:180 Resp: 279939
Ion Ratio Lower Upper
180 100
182 97.3 47.5 142.6
145 29.5 14.8 44.3

