

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054616.D
 Acq On : 23 Mar 2019 21:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 25 03:35:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	413801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	705464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293726	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
35) Dibromofluoromethane	7.59	113	233975	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	862306	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	300515	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	216363	54.695	ug/l	97
3) Chloromethane	2.06	50	298116	55.389	ug/l	100
4) Vinyl Chloride	2.19	62	282166	52.217	ug/l	100
5) Bromomethane	2.57	94	157865	45.179	ug/l	98
6) Chloroethane	2.71	64	156920	48.415	ug/l	99
7) Trichlorofluoromethane	3.02	101	342642	52.213	ug/l	99
8) Diethyl Ether	3.41	74	118086	46.788	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	178516	46.286	ug/l	93
10) Methyl Iodide	3.94	142	265181	46.742	ug/l #	89
11) Tert butyl alcohol	4.82	59	94069	301.878	ug/l	99
12) 1,1-Dichloroethene	3.73	96	176710	44.274	ug/l #	73
13) Acrolein	3.61	56	30954	71.981	ug/l	94
14) Allyl chloride	4.32	41	427540	56.885	ug/l #	91
15) Acrylonitrile	5.00	53	470073	302.921	ug/l	99
16) Acetone	3.82	43	333398	215.449	ug/l #	82
17) Carbon Disulfide	4.04	76	540598	50.551	ug/l	99
18) Methyl Acetate	4.33	43	214662	62.237	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	665858	57.164	ug/l	97
20) Methylene Chloride	4.54	84	247905	54.346	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	225226	55.263	ug/l	86
22) Diisopropyl ether	5.96	45	901819	60.832	ug/l #	95
23) Vinyl Acetate	5.90	43	3296473	314.841	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	472588	59.206	ug/l	97
25) 2-Butanone	6.85	43	596233	300.781	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	274344	48.215	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	266286	54.778	ug/l	88
28) Bromochloromethane	7.19	49	235230	59.870	ug/l #	71
29) Tetrahydrofuran	7.22	42	412653	320.788	ug/l #	83
30) Chloroform	7.37	83	448447	57.568	ug/l	97
31) Cyclohexane	7.65	56	429024	56.327	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	377170	58.688	ug/l	96
36) 1,1-Dichloropropene	7.79	75	339628	51.489	ug/l	95
37) Ethyl Acetate	6.94	43	275133	58.646	ug/l	95
38) Carbon Tetrachloride	7.77	117	329044	51.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	366277	48.544	ug/l	89
40) Benzene	8.04	78	990511	52.514	ug/l	99
41) Methacrylonitrile	7.18	41	151445	52.933	ug/l	89
42) 1,2-Dichloroethane	8.13	62	370830	53.985	ug/l	97
43) Isopropyl Acetate	8.17	43	465914	58.805	ug/l #	93
44) Trichloroethene	8.83	130	258307	49.257	ug/l	93
45) 1,2-Dichloropropane	9.12	63	282501	55.777	ug/l	99
46) Dibromomethane	9.21	93	162461	53.767	ug/l	89
47) Bromodichloromethane	9.40	83	347916	55.482	ug/l	97
48) Methyl methacrylate	9.20	41	243250	56.565	ug/l #	87
49) 1,4-Dioxane	9.20	88	51776	1076.968	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	1335976	304.252	ug/l	92
52) Toluene	10.16	92	602659	51.949	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	330338	49.940	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	393893	54.782	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	224873	53.925	ug/l	97
56) Ethyl methacrylate	10.43	69	322932	57.695	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	396435	54.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613349	266.119	ug/l	89
59) 2-Hexanone	10.75	43	835789	291.402	ug/l	92
60) Dibromochloromethane	10.90	129	247170	55.701	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220919	53.586	ug/l	99
64) Tetrachloroethene	10.63	164	240556	46.833	ug/l	96
65) Chlorobenzene	11.43	112	640005	50.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245191	54.237	ug/l	99
67) Ethyl Benzene	11.51	91	1137530	51.129	ug/l	99
68) m/p-Xylenes	11.62	106	848675	100.708	ug/l	96
69) o-Xylene	11.95	106	415684	50.509	ug/l	96
70) Styrene	11.96	104	702961	52.598	ug/l	97
71) Bromoform	12.13	173	155287	49.832	ug/l #	99
73) Isopropylbenzene	12.25	105	1089685	49.835	ug/l	98
74) N-amyl acetate	12.07	43	386843	61.528	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	286829	57.464	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	336556	78.161	ug/l #	100
77) Bromobenzene	12.53	156	274328	50.585	ug/l	85
78) n-propylbenzene	12.59	91	1203071	50.740	ug/l	97
79) 2-Chlorotoluene	12.67	91	740194	50.061	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	889843	49.653	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63570	50.838	ug/l	85
82) 4-Chlorotoluene	12.77	91	730174	50.947	ug/l	96
83) tert-Butylbenzene	12.99	119	769798	49.348	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	889835	50.603	ug/l	97
85) sec-Butylbenzene	13.17	105	967044	49.730	ug/l	97
86) p-Isopropyltoluene	13.29	119	855581	49.179	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	452838	50.389	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	440855	50.418	ug/l	98
89) n-Butylbenzene	13.61	91	688939	50.644	ug/l	98
90) Hexachloroethane	13.87	117	147441	54.598	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	450060	51.704	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43125	58.903	ug/l	84

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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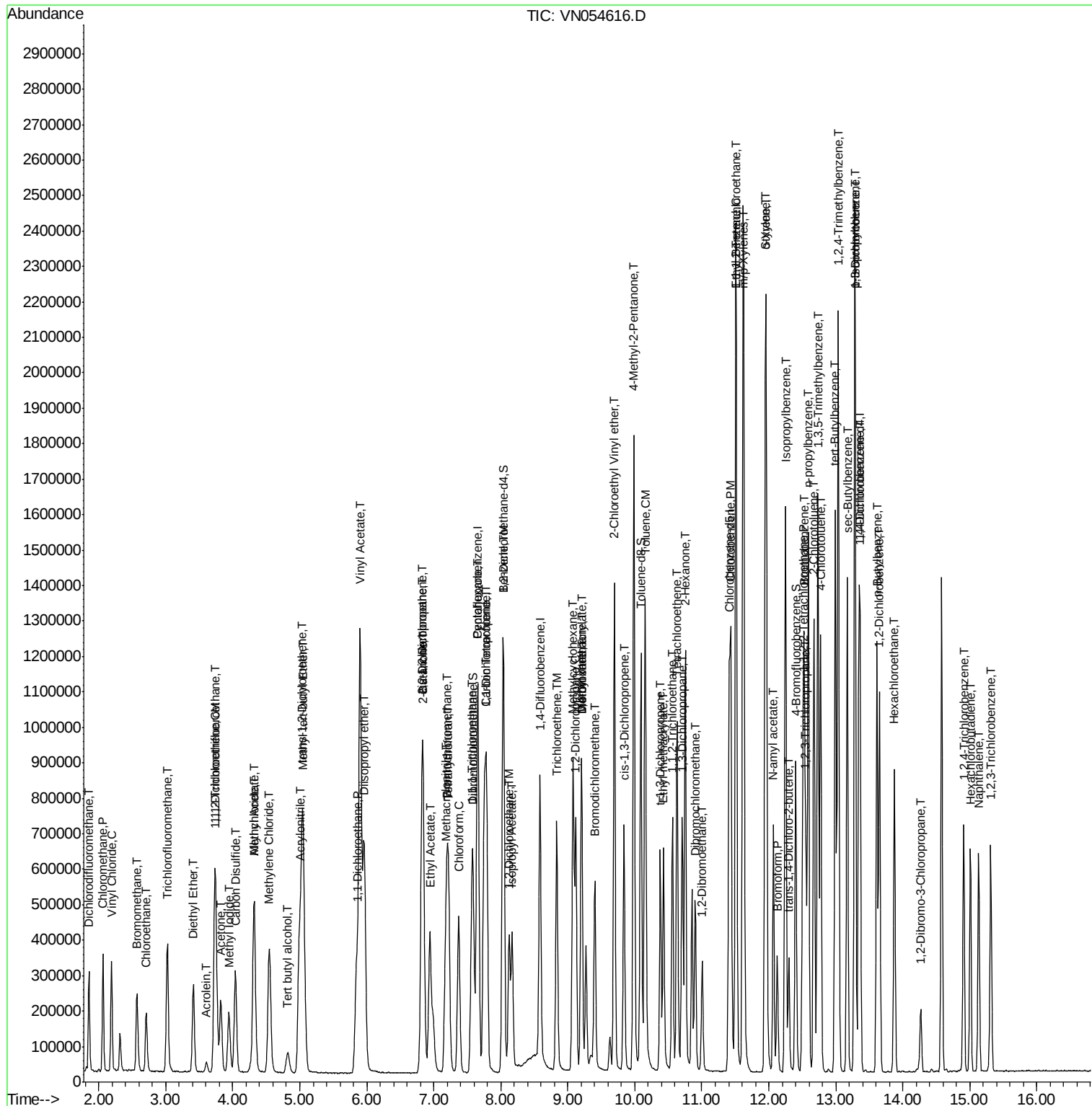
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	221417	51.026	ug/l	99
94) Hexachlorobutadiene	15.01	225	124051	50.928	ug/l	99
95) Naphthalene	15.13	128	521328	53.862	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	223543	51.760	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

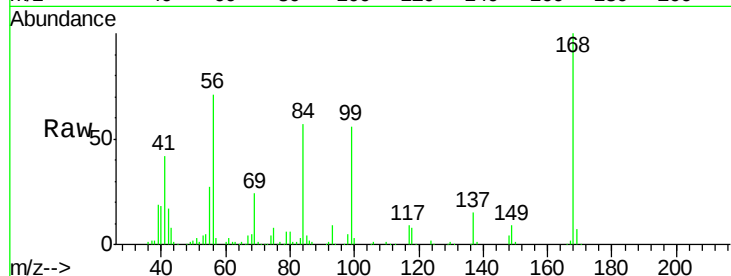
VSTDCCC050

Tot Ion:168 Resp: 413801

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

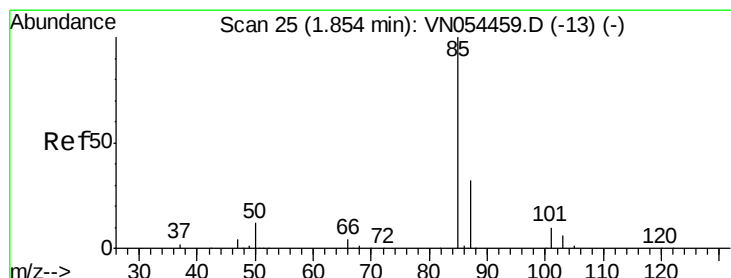
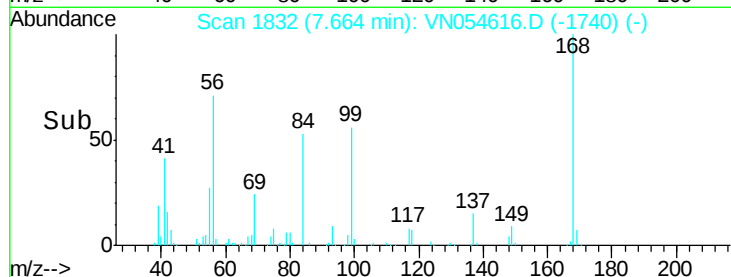
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 54.695 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054616.D

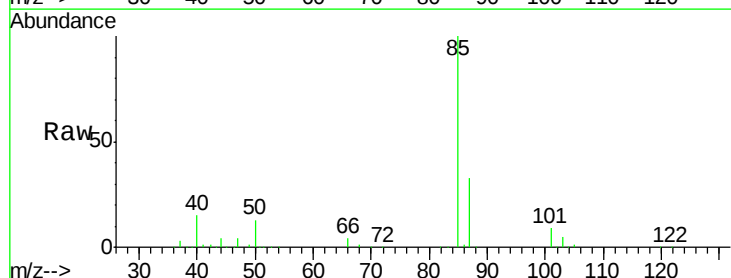
Acq: 23 Mar 2019 21:01

Tgt Ion: 85 Resp: 216363

Ion Ratio Lower Upper

85 100

87 33.3 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

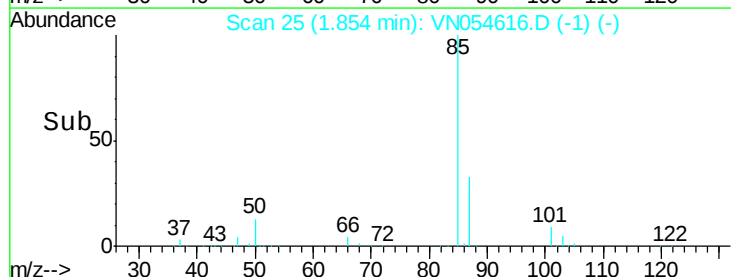
150000

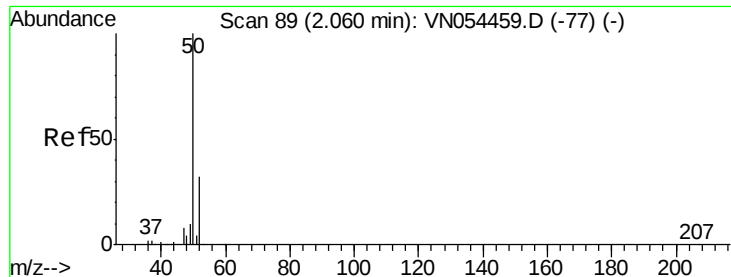
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 55.389 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

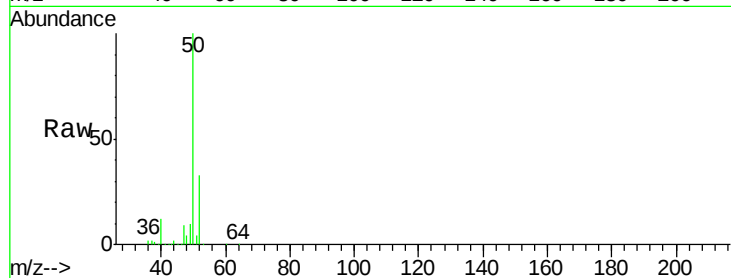
VSTDCCC050

Tot Ion: 50 Resp: 298116

Ion Ratio Lower Upper

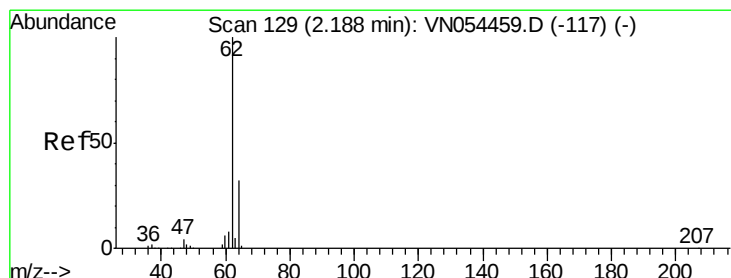
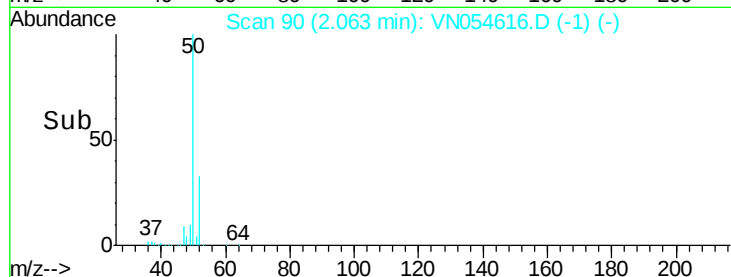
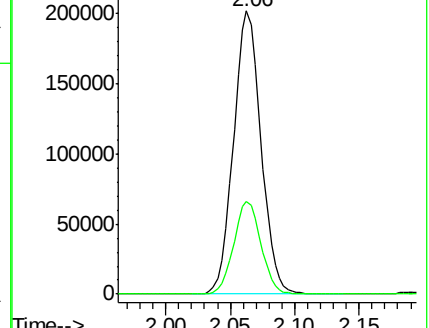
50 100

52 32.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.217 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054616.D

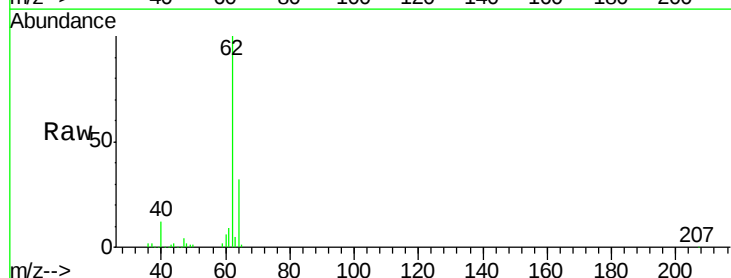
Acq: 23 Mar 2019 21:01

Tgt Ion: 62 Resp: 282166

Ion Ratio Lower Upper

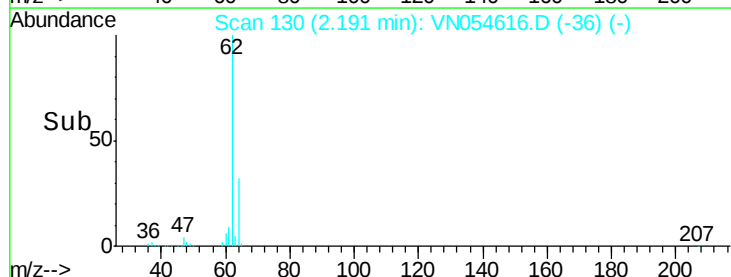
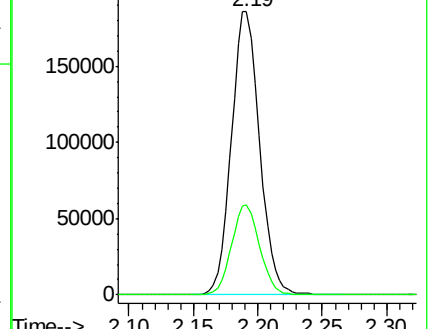
62 100

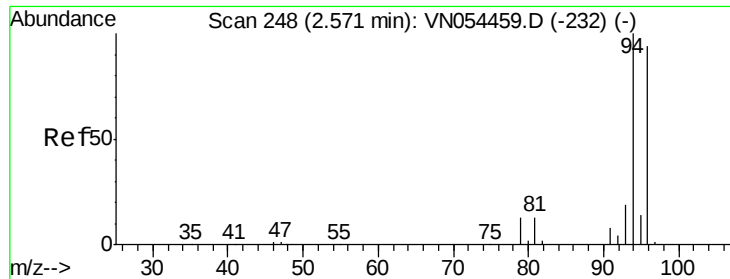
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.179 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

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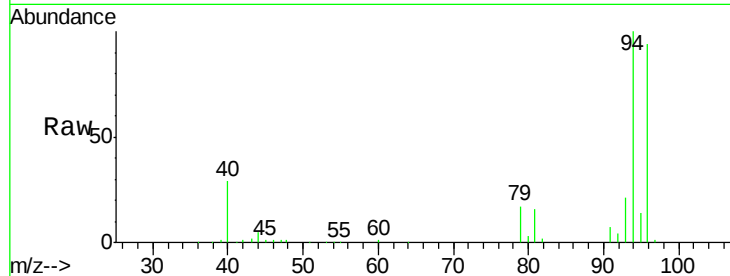
VSTDCCC050

Tot Ion: 94 Resp: 157865

Ion Ratio Lower Upper

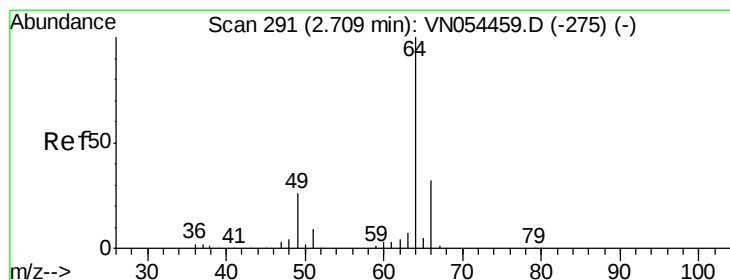
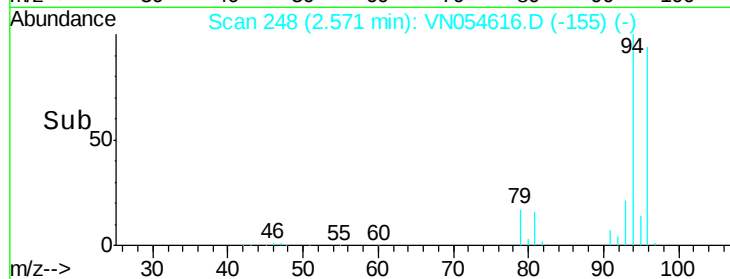
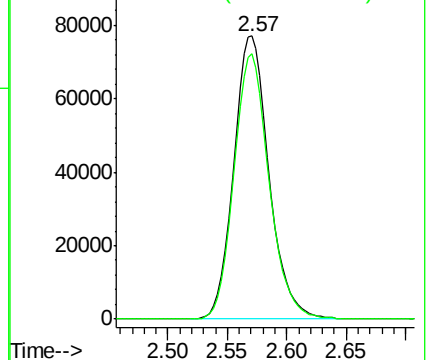
94 100

96 93.9 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: 48.415 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054616.D

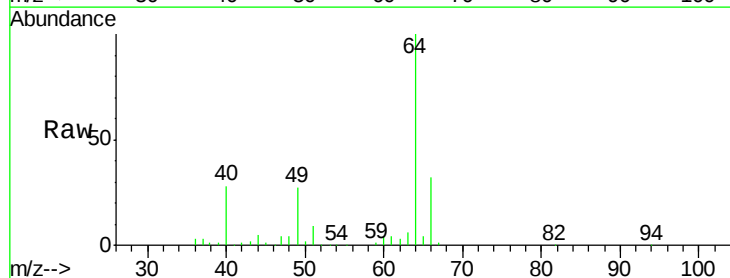
Acq: 23 Mar 2019 21:01

Tgt Ion: 64 Resp: 156920

Ion Ratio Lower Upper

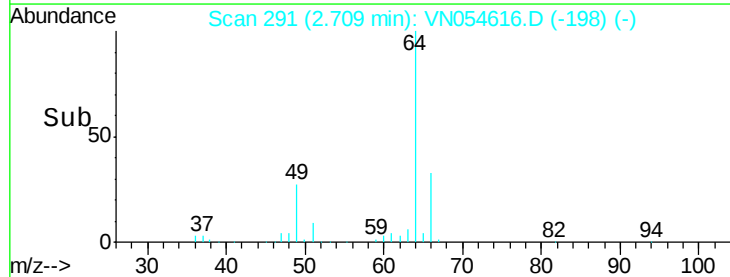
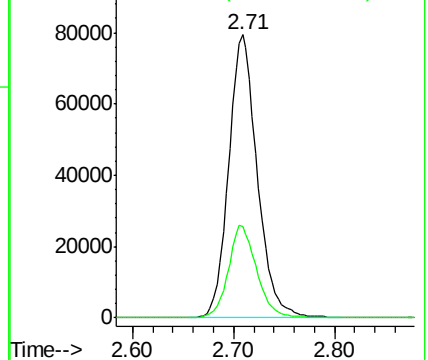
64 100

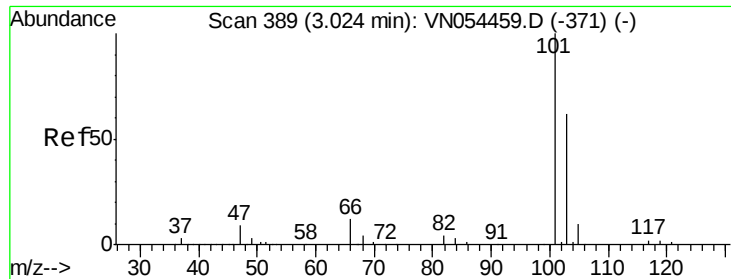
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



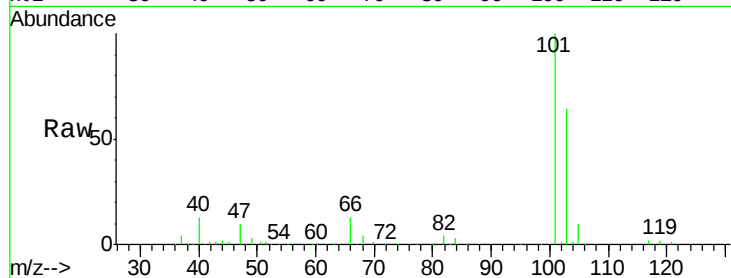


#7

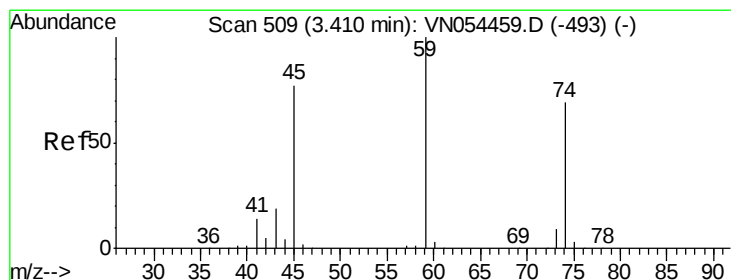
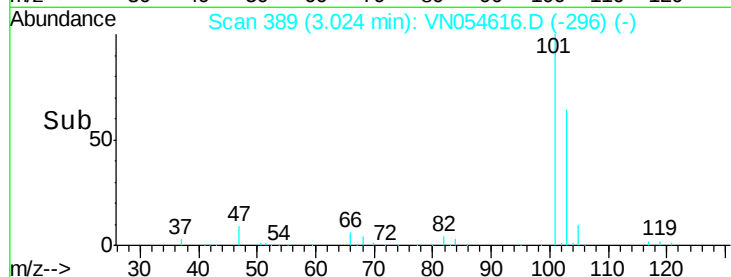
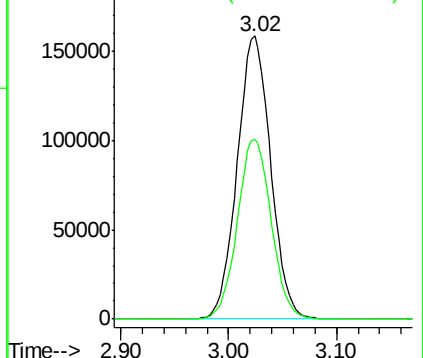
Trichlorofluoromethane
Concen: 52.213 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
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Tot Ion:101 Resp: 342642
Ion Ratio Lower Upper
101 100
103 63.7 51.4 77.2



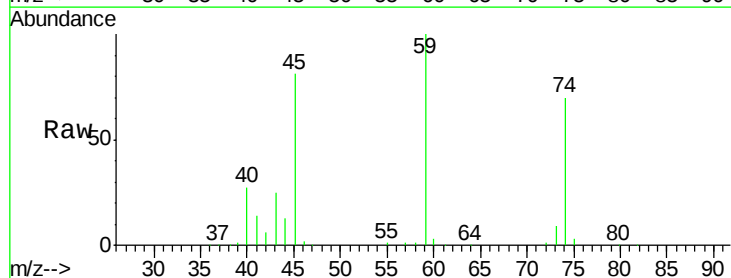
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



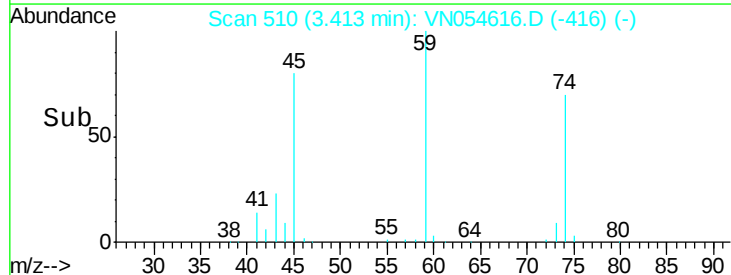
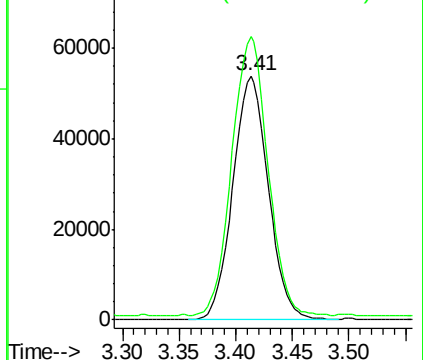
#8

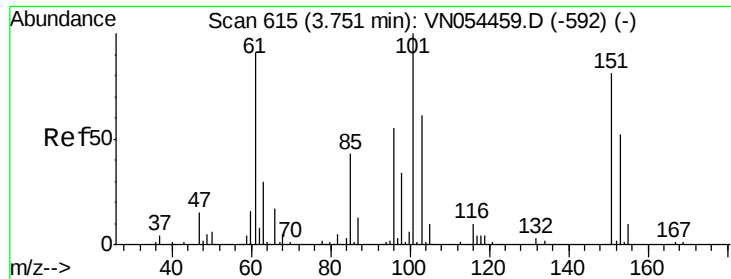
Diethyl Ether
Concen: 46.788 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 74 Resp: 118086
Ion Ratio Lower Upper
74 100
45 114.9 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.286 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

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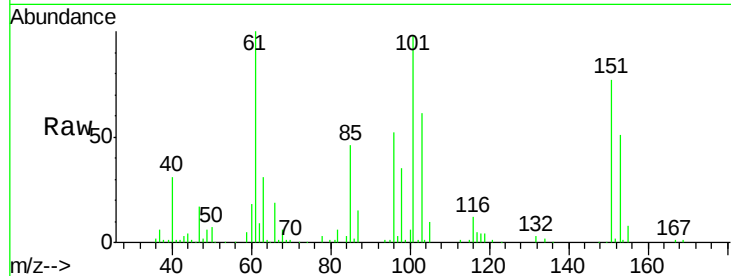
Tot Ion:101 Resp: 178516

Ion Ratio Lower Upper

101 100

85 46.0 32.4 48.6

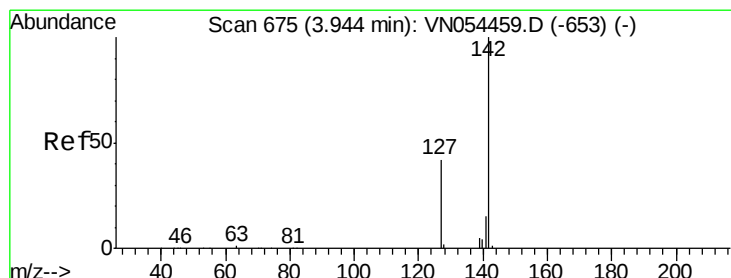
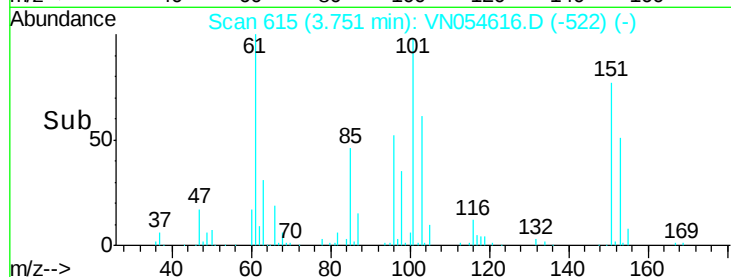
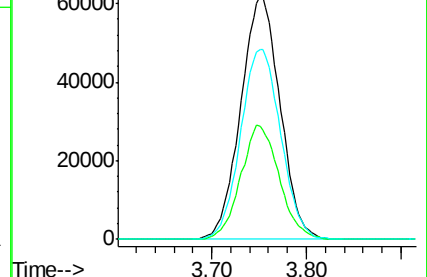
151 79.8 68.2 102.2



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: 46.742 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

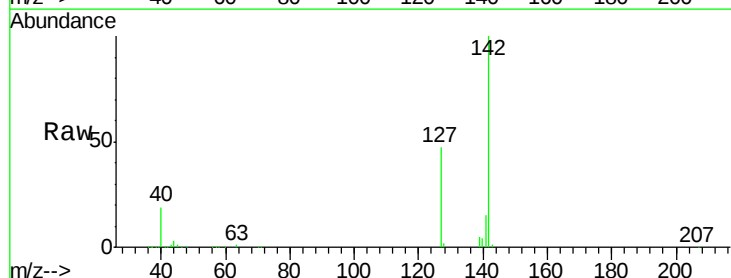
Tgt Ion:142 Resp: 265181

Ion Ratio Lower Upper

142 100

127 46.5 30.3 45.5#

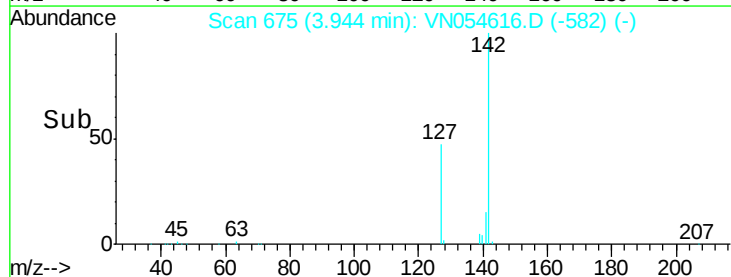
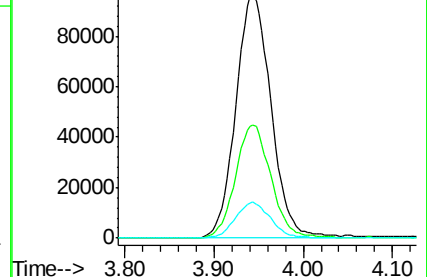
141 14.7 11.2 16.8

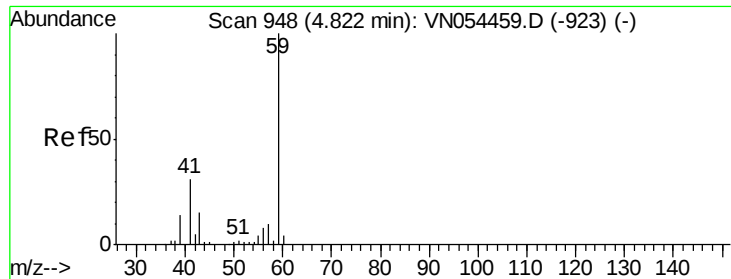


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



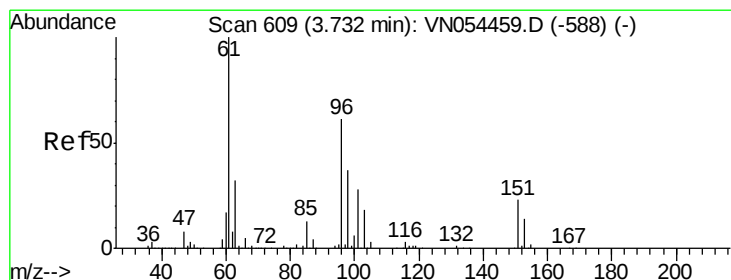
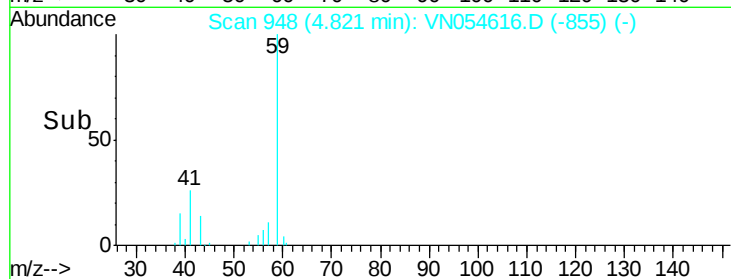
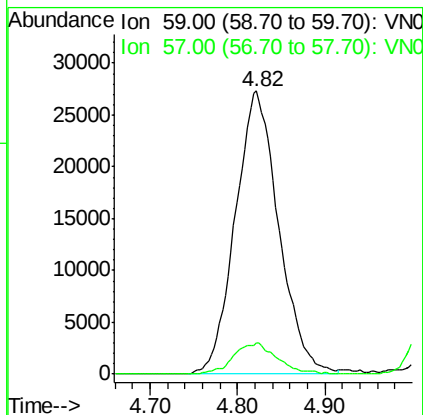
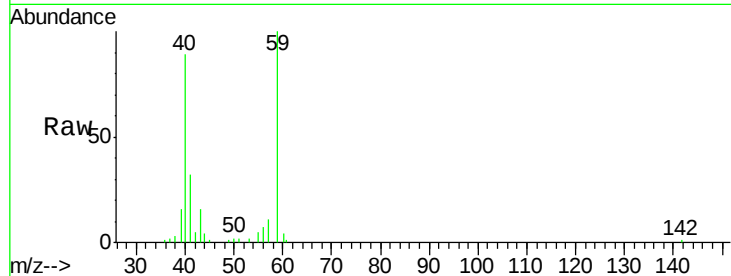


#11

Tert butyl alcohol
 Concen: 301.878 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

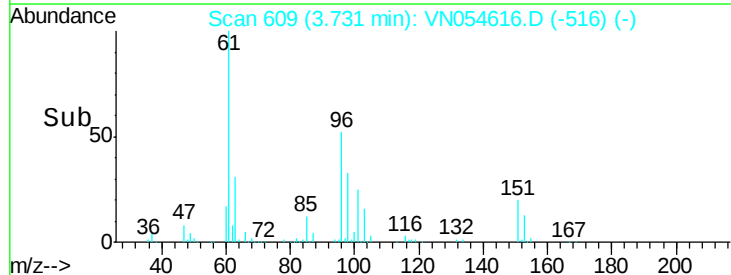
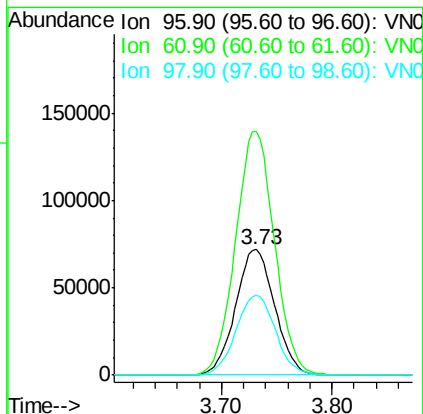
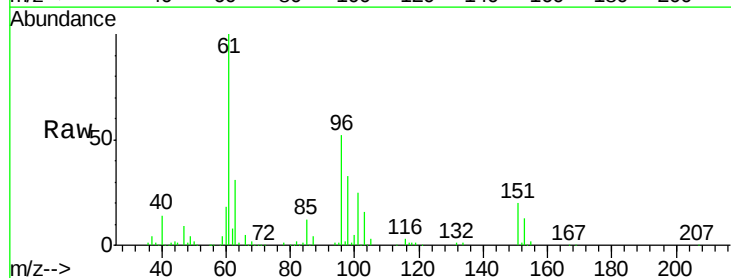
Tot Ion: 59 Resp: 94069
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.0 13.6

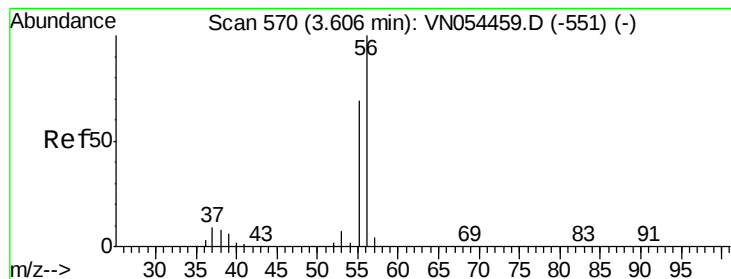


#12

1,1-Dichloroethene
 Concen: 44.274 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 96 Resp: 176710
 Ion Ratio Lower Upper
 96 100
 61 193.5 116.5 174.7#
 98 63.8 51.0 76.4





#13

Acrolein

Concen: 71.981 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

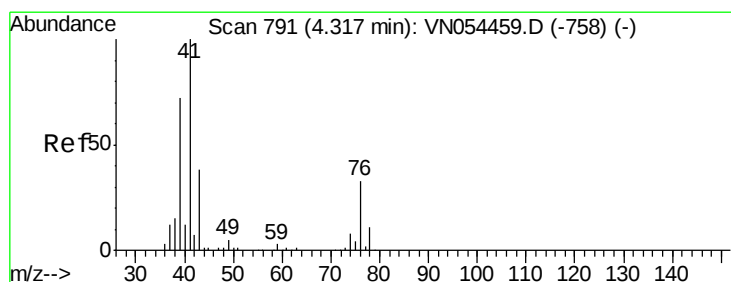
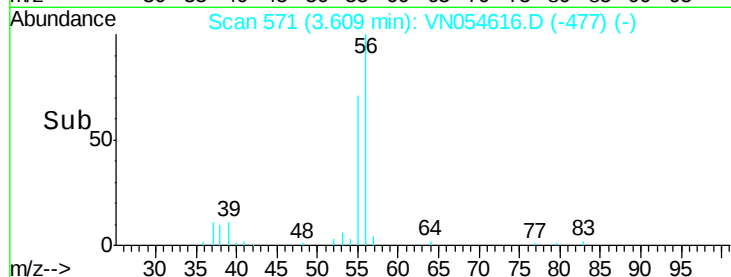
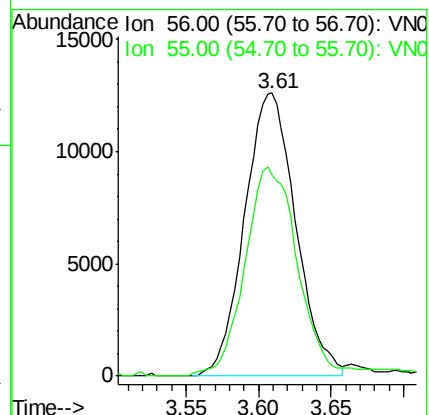
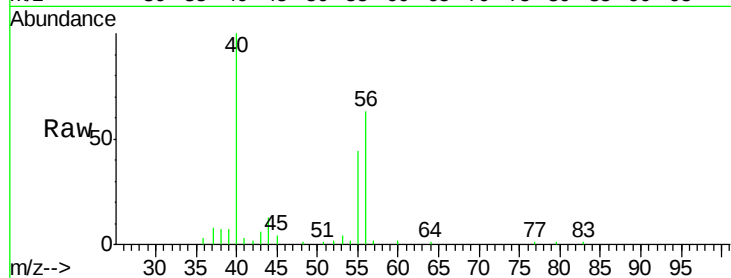
VSTDCCC050

Tot Ion: 56 Resp: 30954

Ion Ratio Lower Upper

56 100

55 75.8 56.7 85.1



#14

Allyl chloride

Concen: 56.885 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

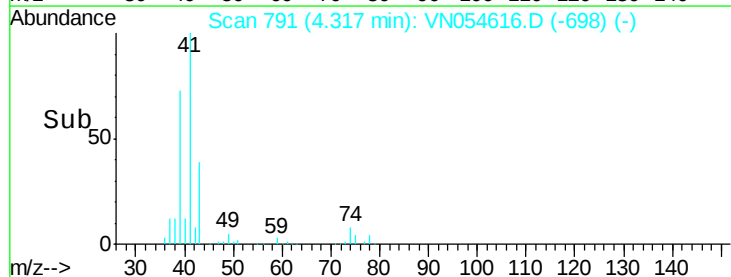
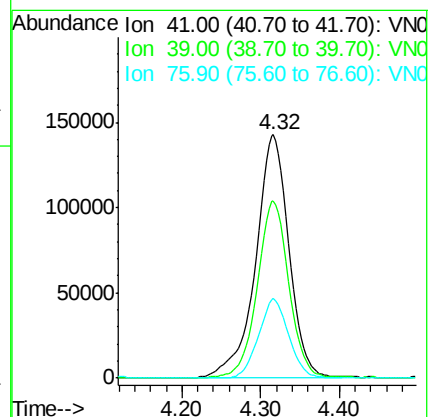
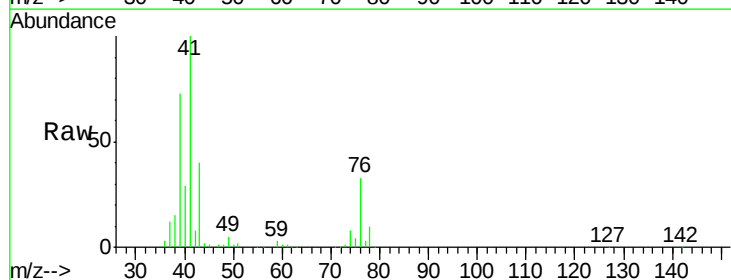
Tgt Ion: 41 Resp: 427540

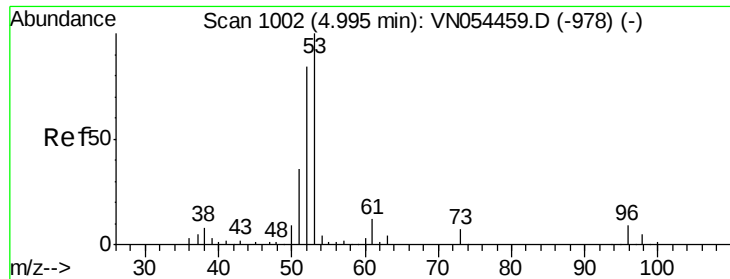
Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 29.8 31.7 47.5#





#15

Acrylonitrile

Concen: 302.921 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

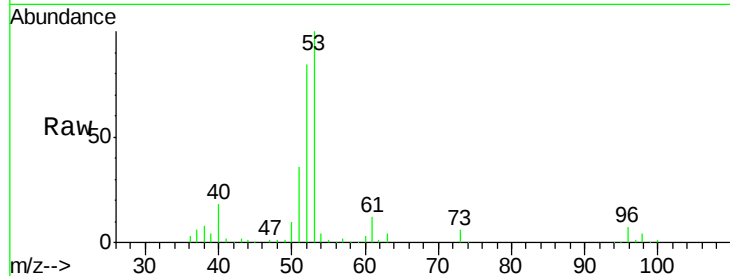
Tot Ion: 53 Resp: 470073

Ion Ratio Lower Upper

53 100

52 83.7 66.4 99.6

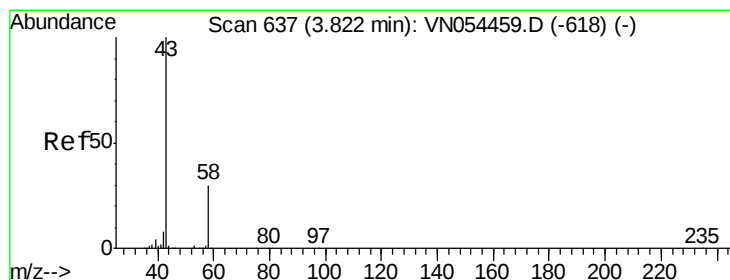
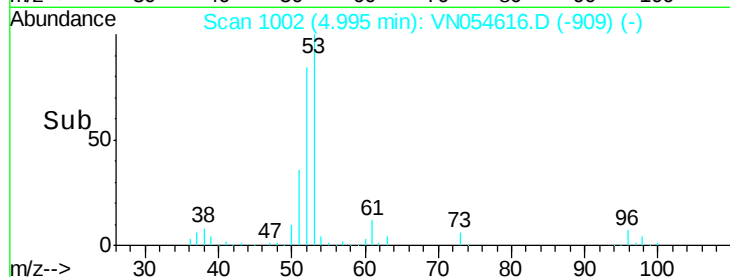
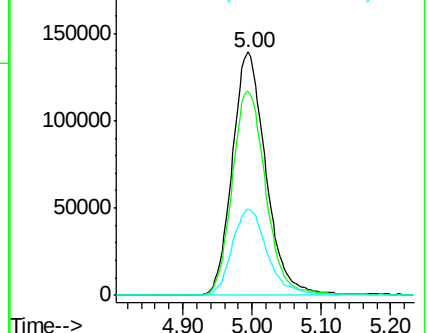
51 37.4 29.6 44.4



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: 215.449 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054616.D

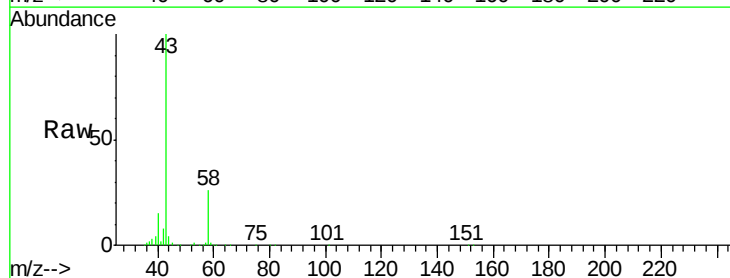
Acq: 23 Mar 2019 21:01

Tgt Ion: 43 Resp: 333398

Ion Ratio Lower Upper

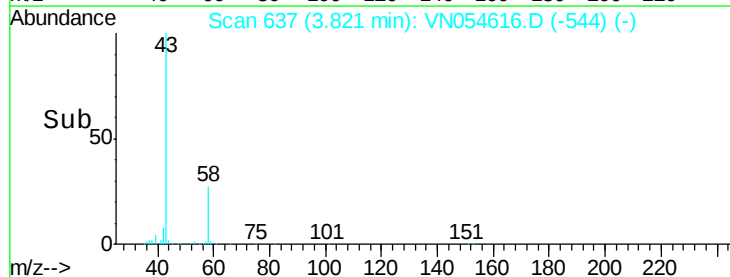
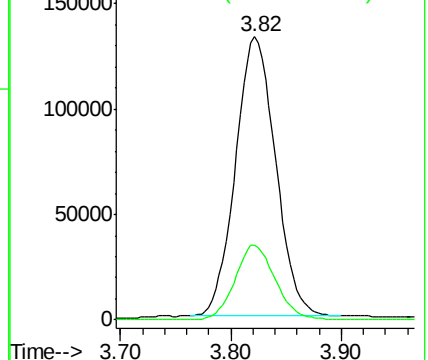
43 100

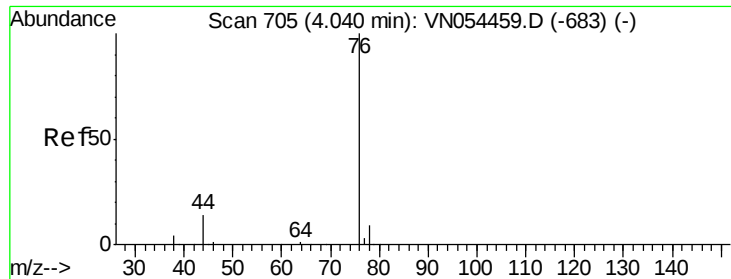
58 26.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

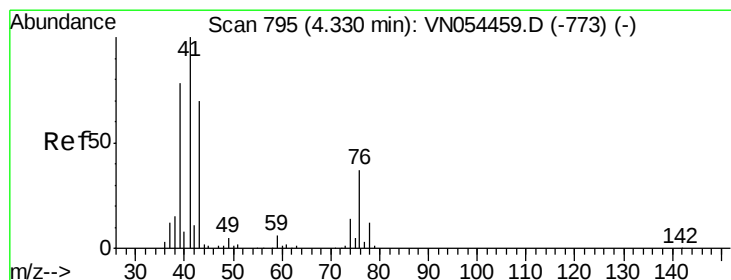
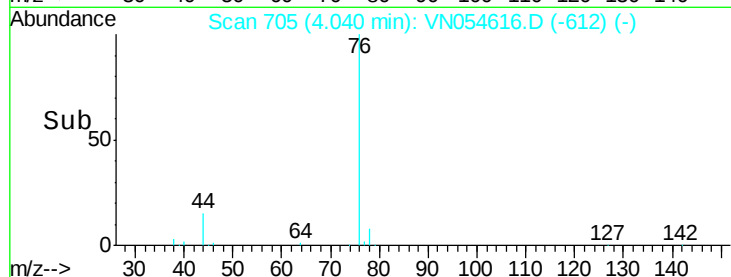
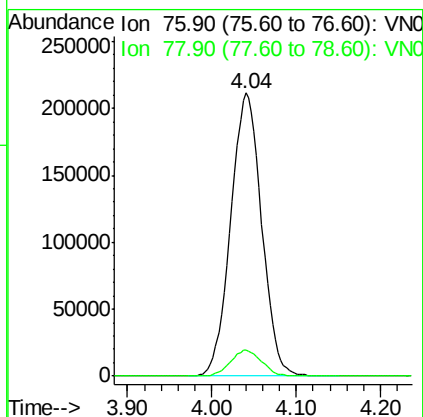
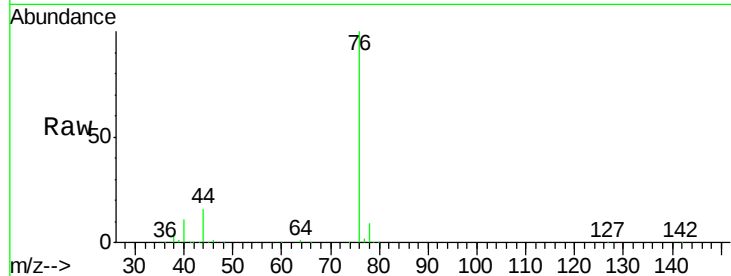




#17
Carbon Disulfide
Concen: 50.551 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

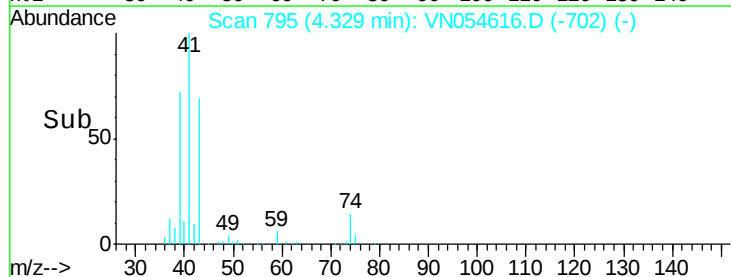
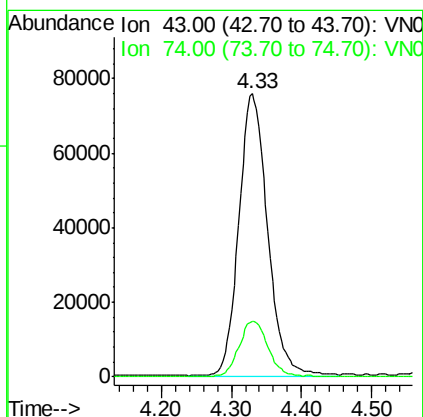
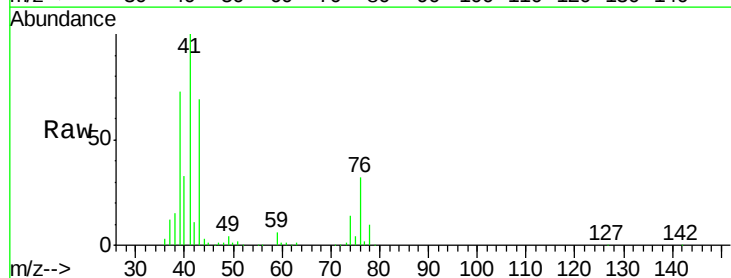
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

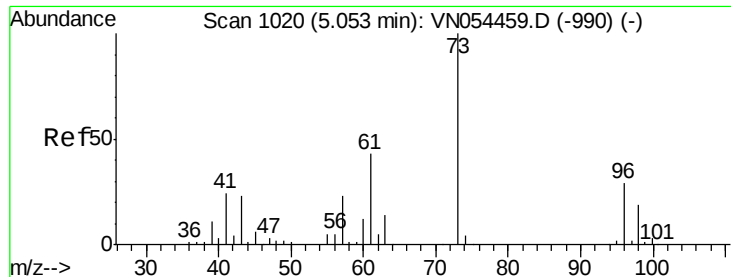
Tot Ion: 76 Resp: 540598
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 62.237 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 43 Resp: 214662
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#

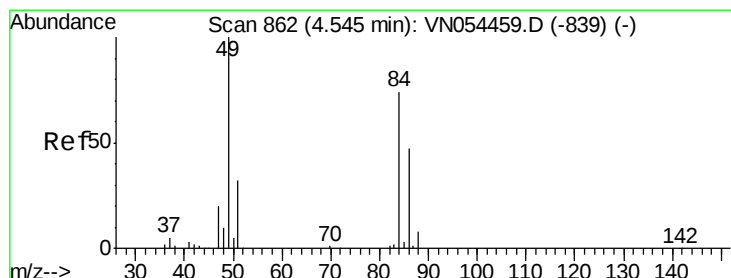
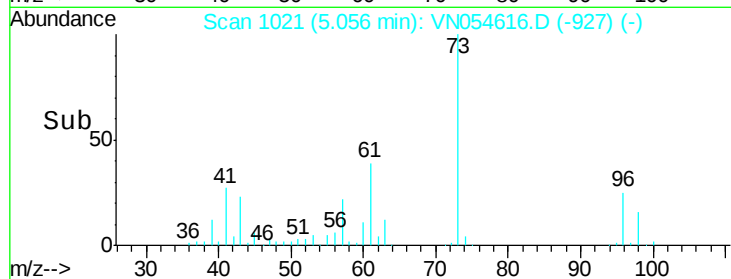
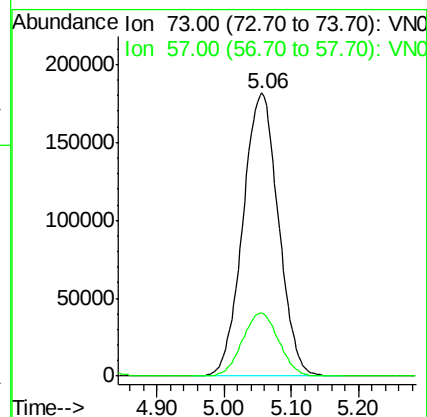
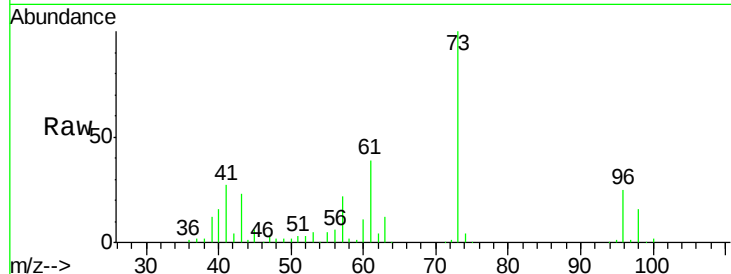




#19
Methvl tert-butvl Ether
Concen: 57.164 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

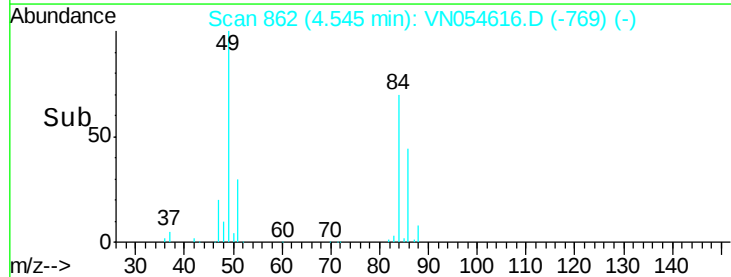
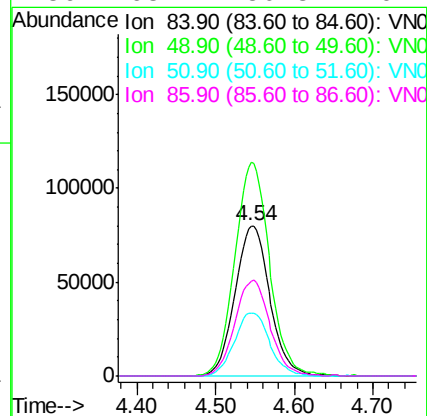
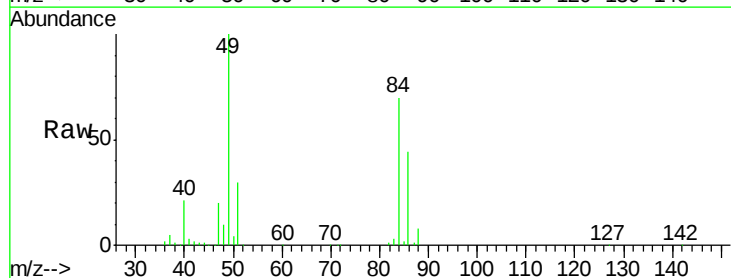
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

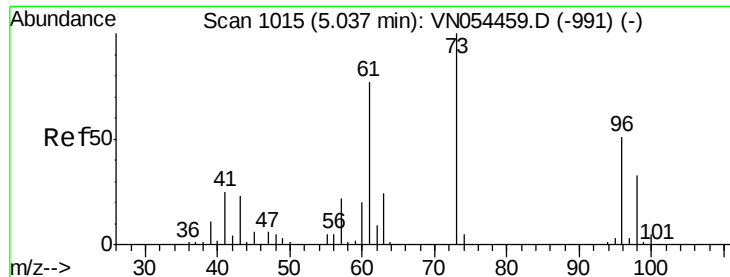
Tot Ion: 73 Resp: 665858
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2



#20
Methylene Chloride
Concen: 54.346 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 84 Resp: 247905
Ion Ratio Lower Upper
84 100
49 142.1 89.7 134.5#
51 42.1 28.2 42.4
86 63.1 50.8 76.2

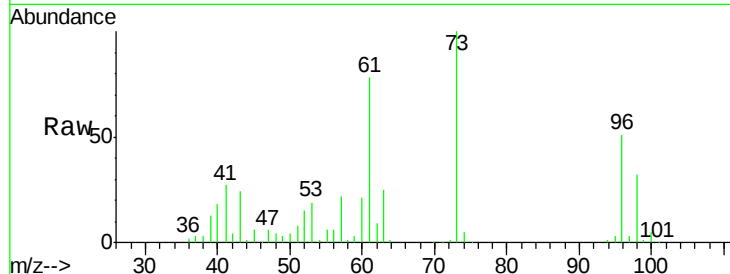




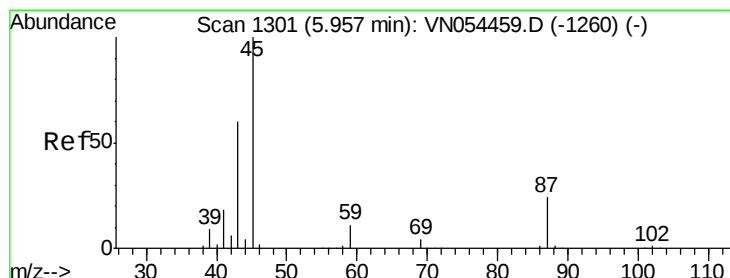
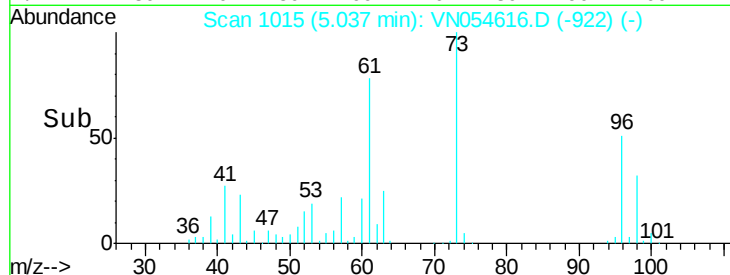
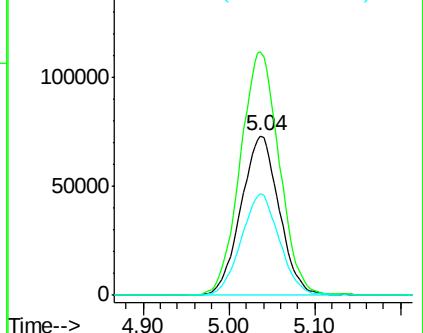
#21
trans-1,2-Dichloroethene
Concen: 55.263 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 225226
Ion Ratio Lower Upper
96 100
61 152.6 102.8 154.2
98 63.5 50.0 75.0



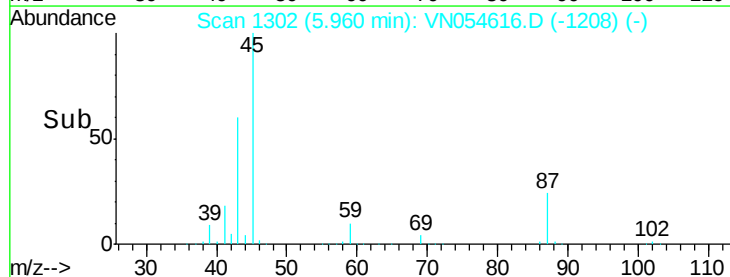
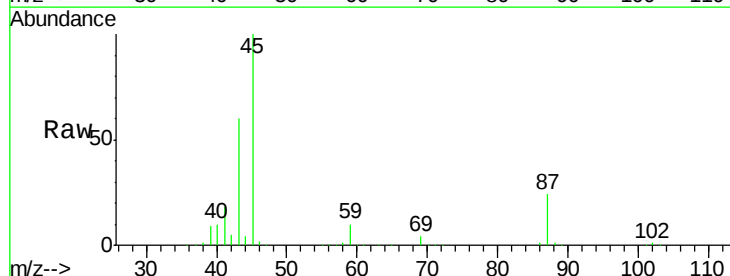
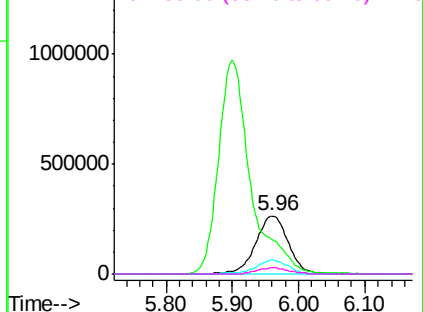
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

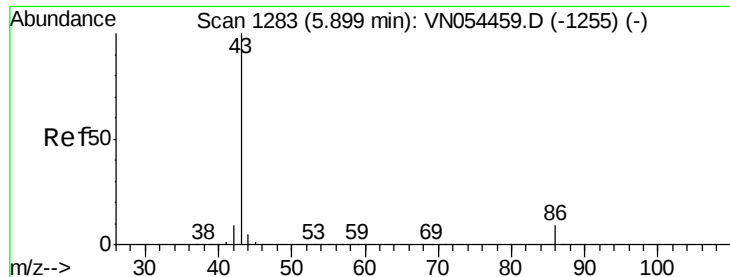


#22
Diisopropyl ether
Concen: 60.832 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 45 Resp: 901819
Ion Ratio Lower Upper
45 100
43 59.1 48.2 72.2
87 23.8 24.9 37.3#
59 10.3 9.5 14.3

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





#23

Vinyl Acetate

Concen: 314.841 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampled :

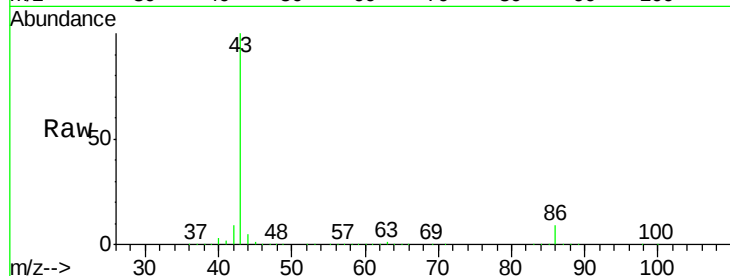
VSTDCCC050

Tot Ion: 43 Resp: 3296473

Ion Ratio Lower Upper

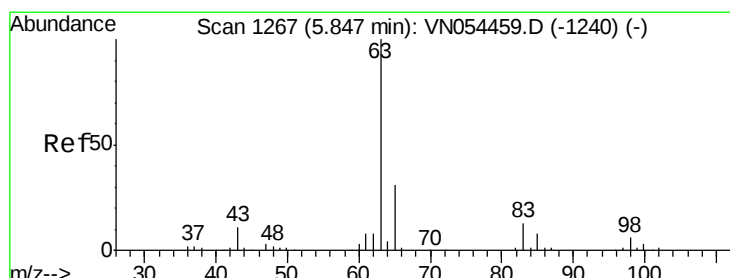
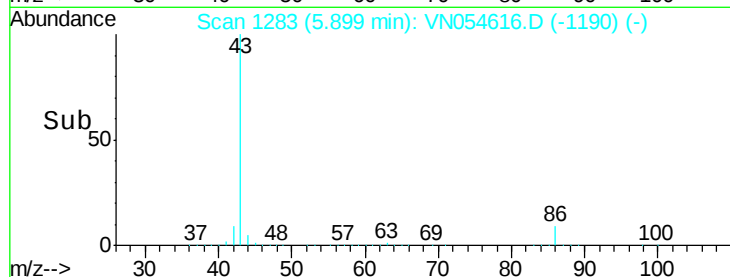
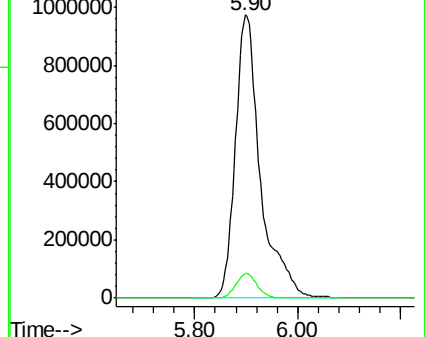
43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054616.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054616.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 59.206 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

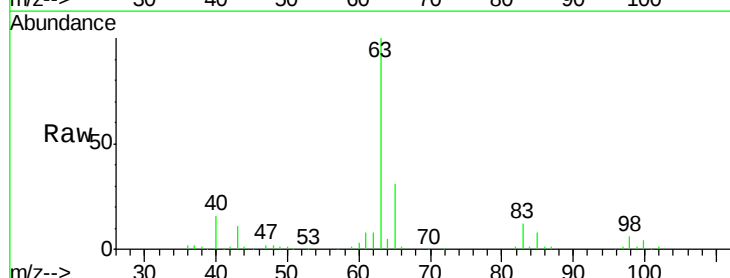
Tgt Ion: 63 Resp: 472588

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

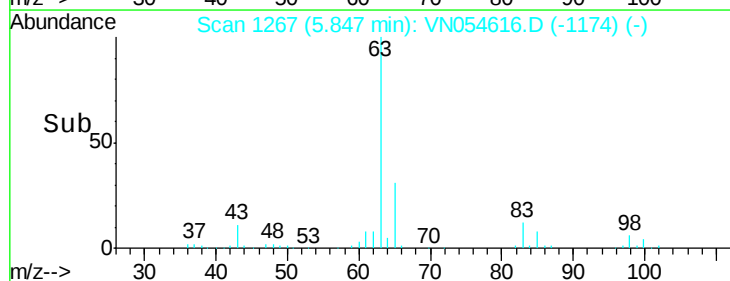
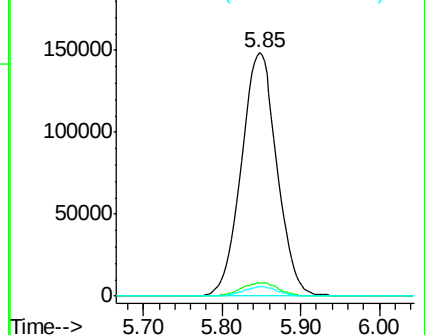
100 3.8 2.0 6.0

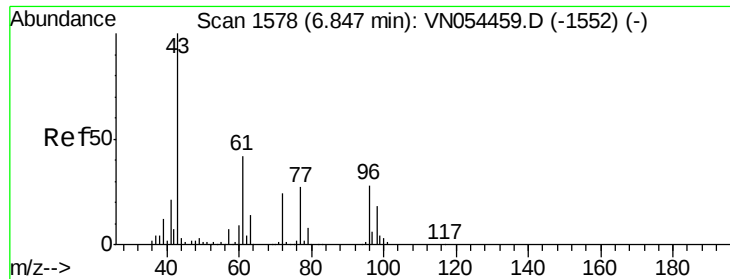


Abundance Ion 62.90 (62.60 to 63.60): VN054616.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054616.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054616.D (-1174) (-)

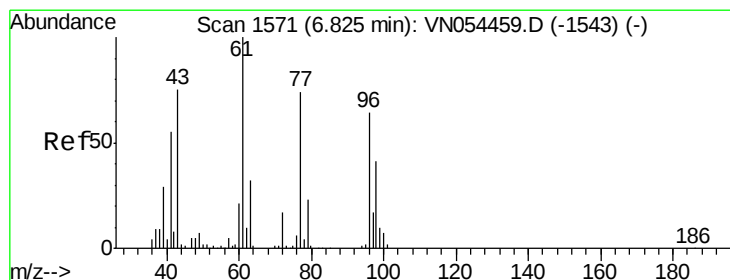
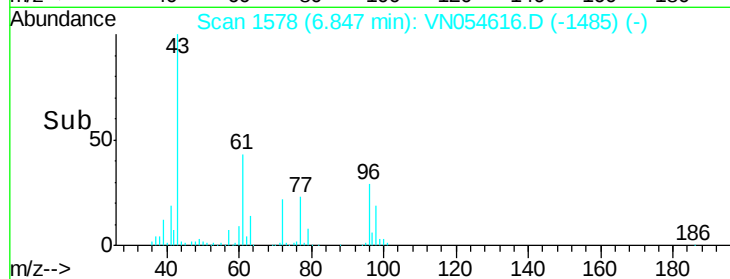
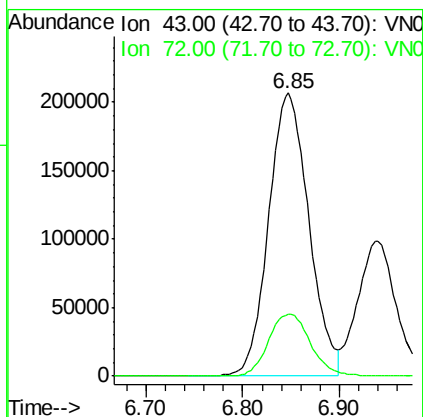
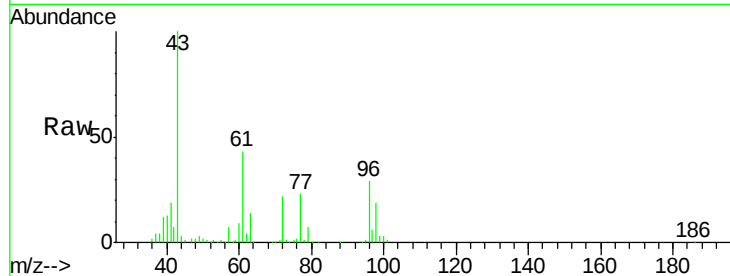




#25
2-Butanone
Concen: 300.781 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

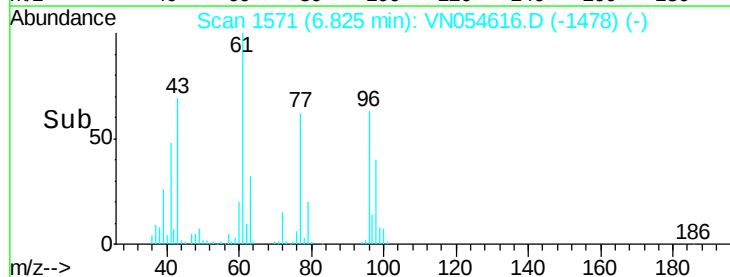
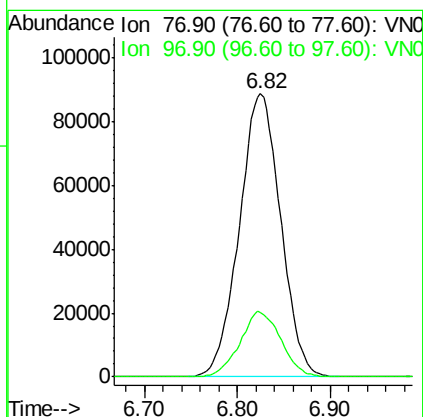
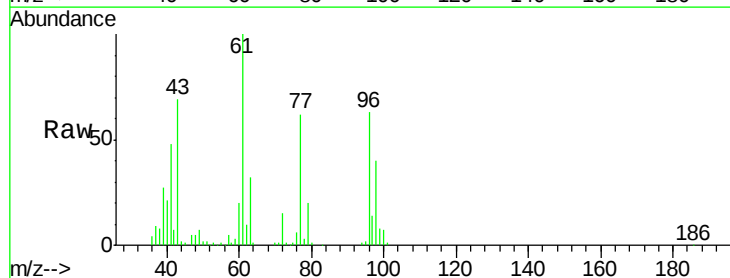
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

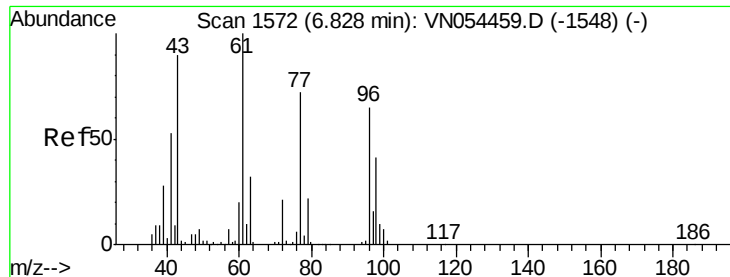
Tot Ion: 43 Resp: 596233
Ion Ratio Lower Upper
43 100
72 22.1 23.0 34.6#



#26
2,2-Dichloropropane
Concen: 48.215 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 77 Resp: 274344
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.778 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

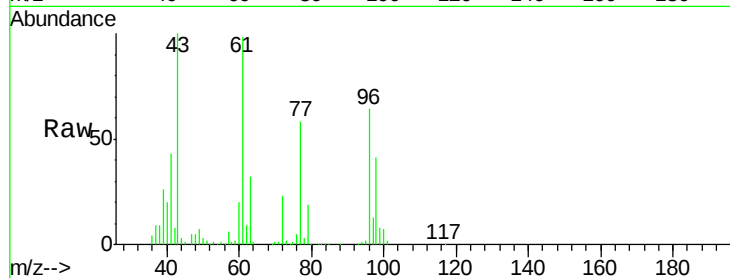
Tot Ion: 96 Resp: 266286

Ion Ratio Lower Upper

96 100

61 157.2 0.0 273.0

98 64.1 0.0 130.6

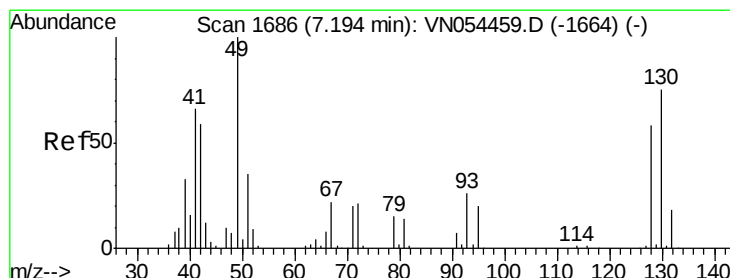
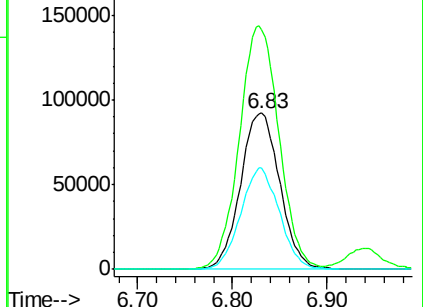
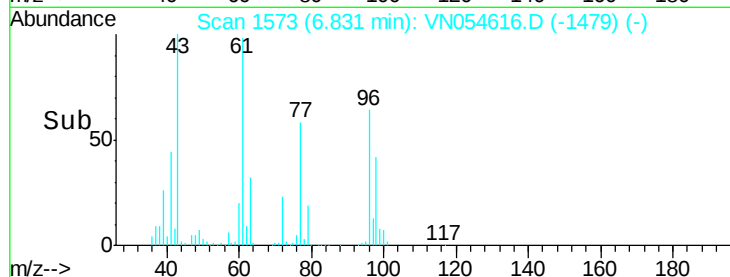


Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1548) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-1548) (-)

Time-->



#28

Bromochloromethane

Concen: 59.870 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

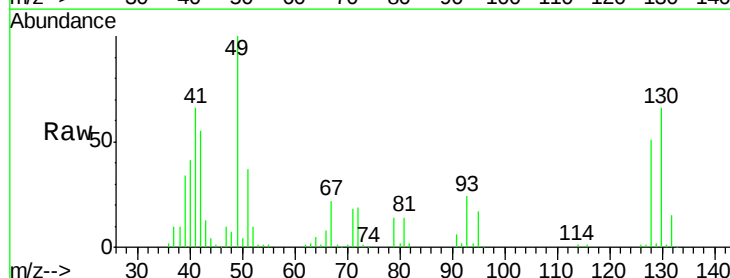
Tgt Ion: 49 Resp: 235230

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 66.9 76.7 115.1#

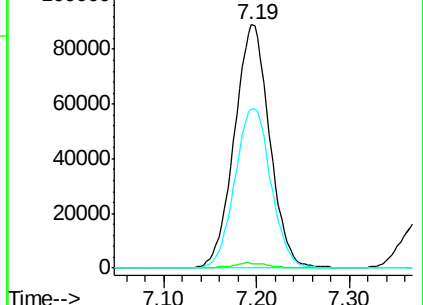
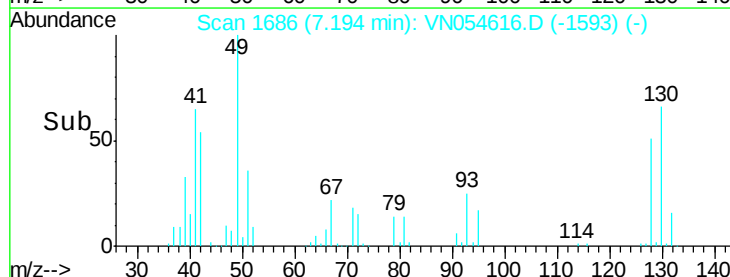


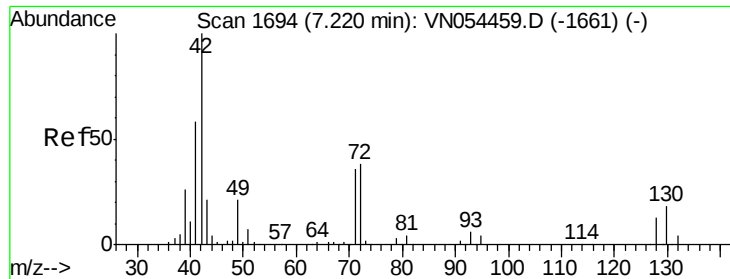
Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054459.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054459.D (-1664) (-)

Time-->

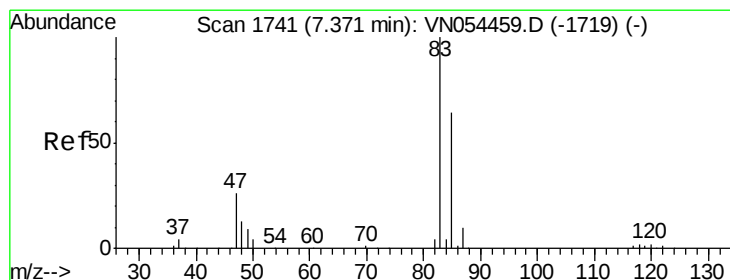
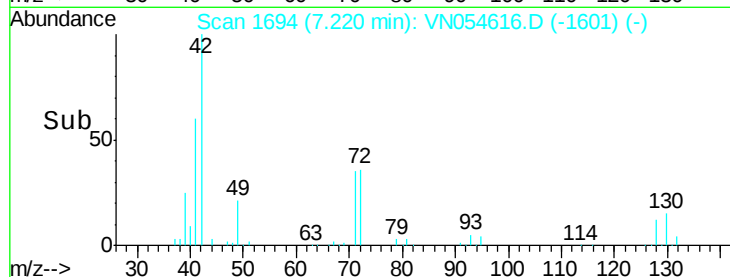
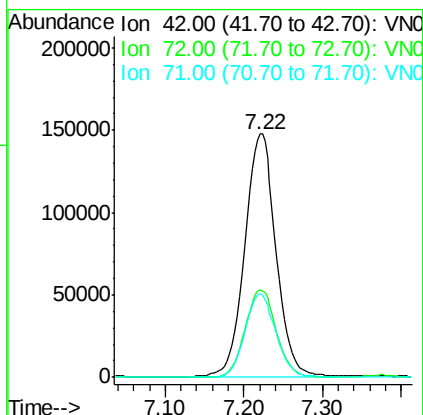
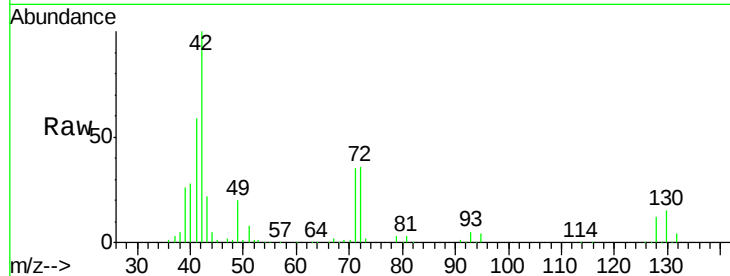




#29
Tetrahydrofuran
Concen: 320.788 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

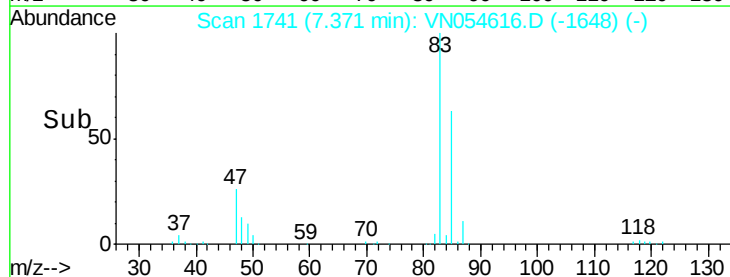
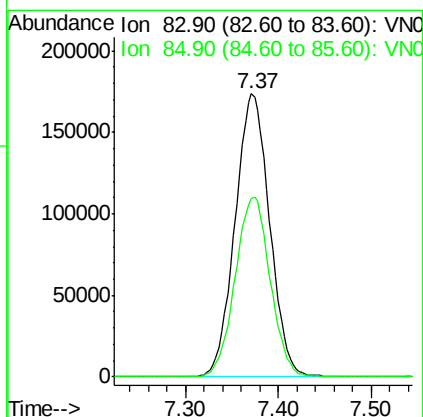
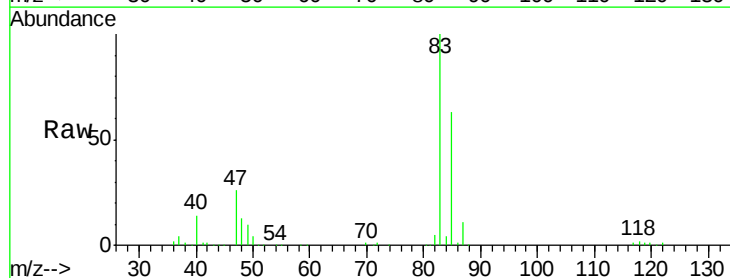
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

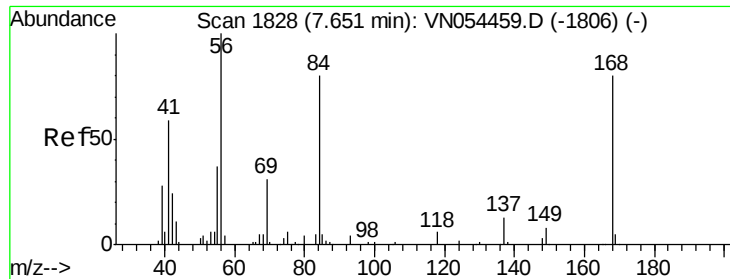
Tot Ion: 42 Resp: 412653
Ion Ratio Lower Upper
42 100
72 36.1 37.8 56.6#
71 34.0 36.2 54.2#



#30
Chloroform
Concen: 57.568 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 83 Resp: 448447
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.4

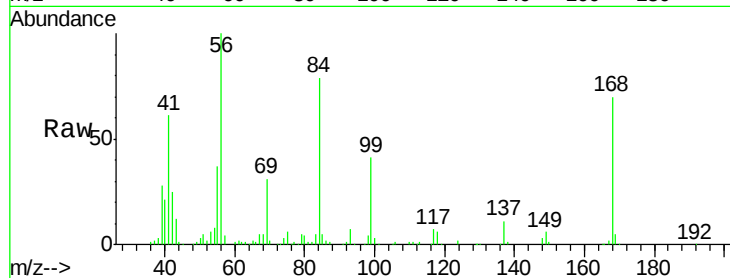




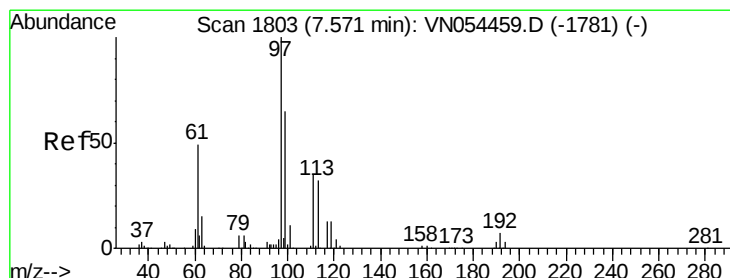
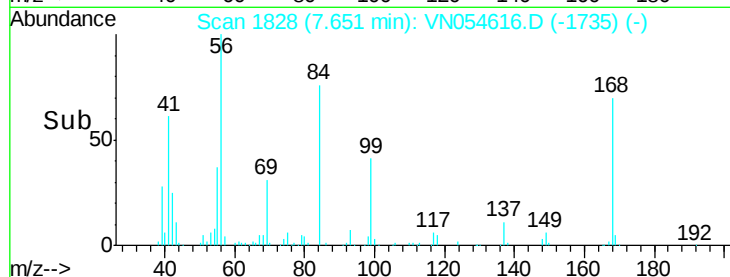
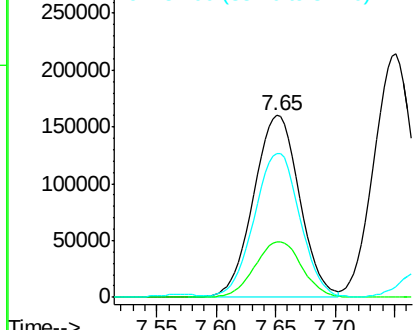
#31
Cyclohexane
Concen: 56.327 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 429024
Ion Ratio Lower Upper
56 100
69 30.7 27.8 41.6
84 77.8 74.6 111.8

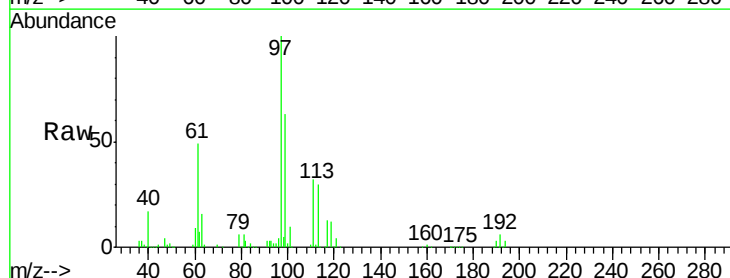


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

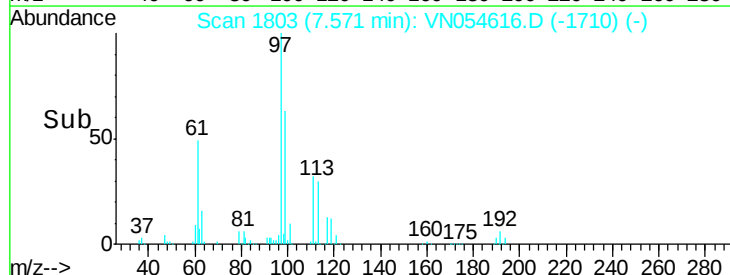
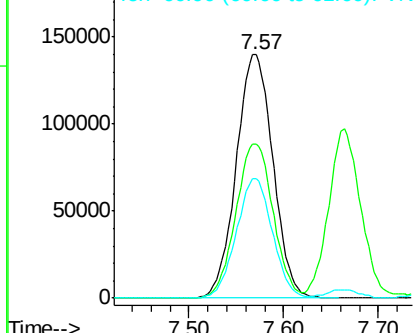


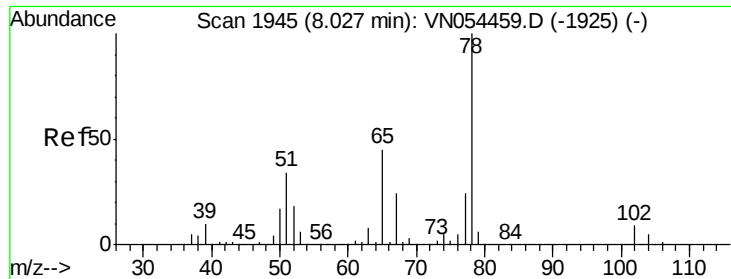
#32
1,1,1-Trichloroethane
Concen: 58.688 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 97 Resp: 377170
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 48.2 33.6 50.4



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

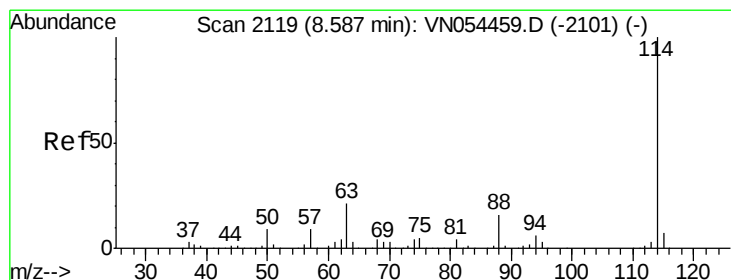
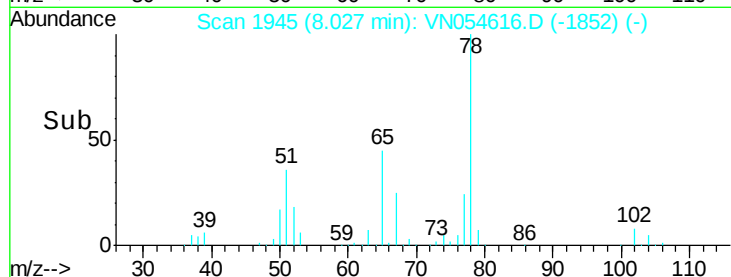
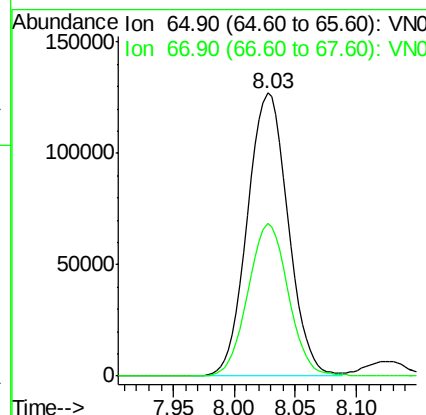
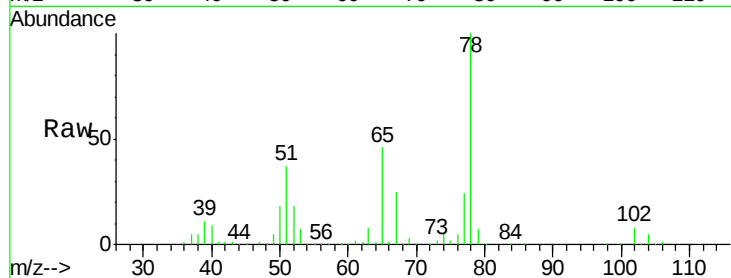




#33
 1,2-Dichloroethane-d4
 Concen: 57.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

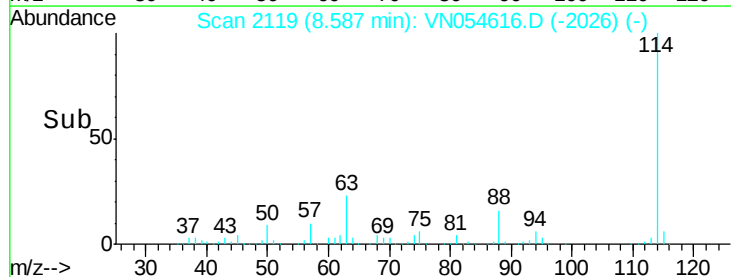
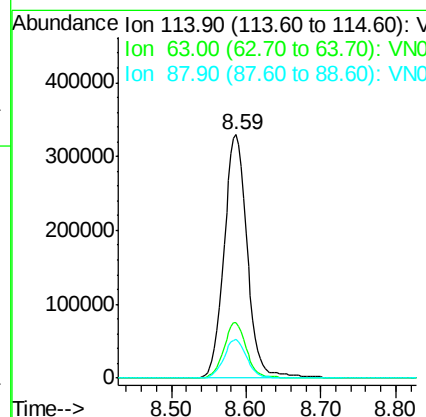
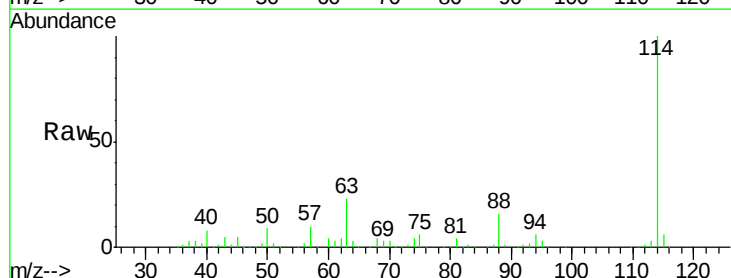
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

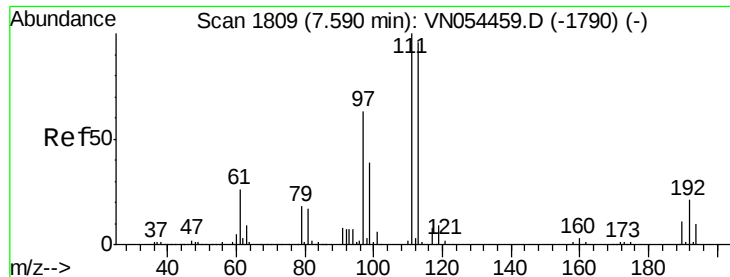
Tot Ion: 65 Resp: 293726
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 114 Resp: 705464
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 15.7 0.0 30.2

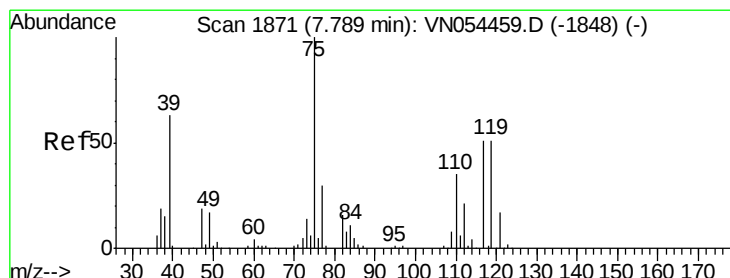
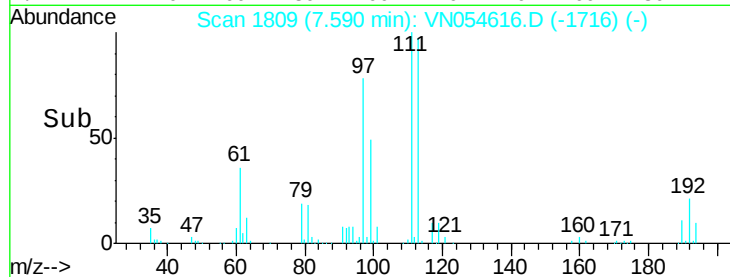
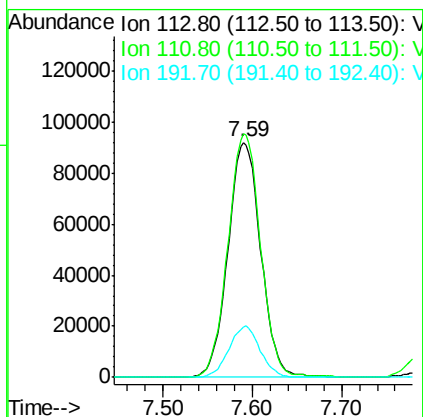
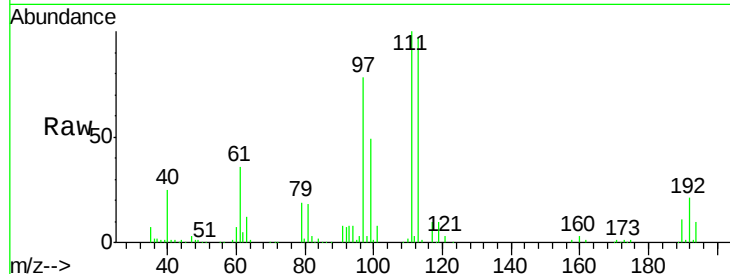




#35
 Dibromofluoromethane
 Concen: 51.480 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

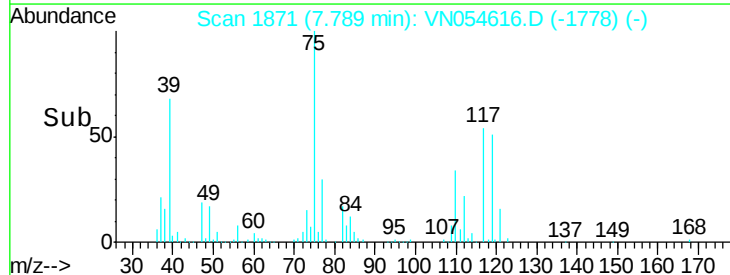
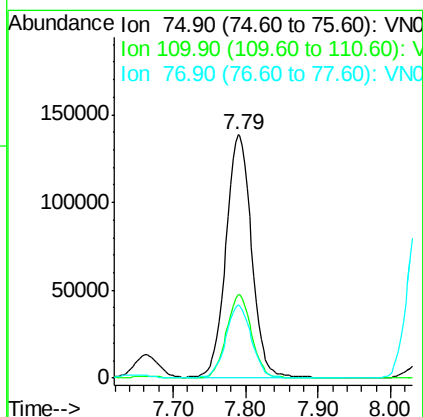
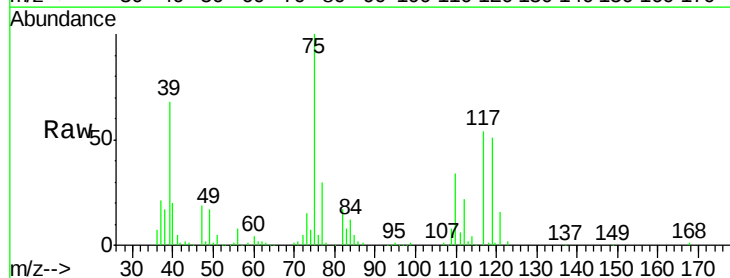
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

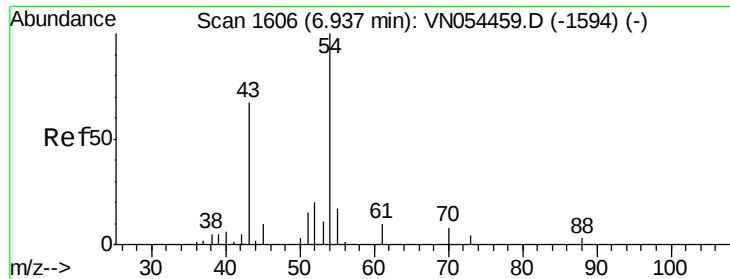
Tot Ion:113 Resp: 233975
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 20.9 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 51.489 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 75 Resp: 339628
 Ion Ratio Lower Upper
 75 100
 110 33.8 19.1 57.5
 77 29.8 25.0 37.4

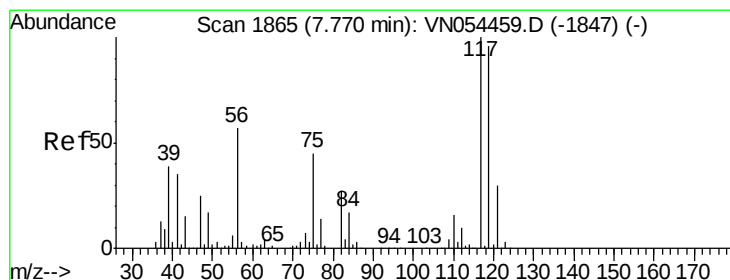
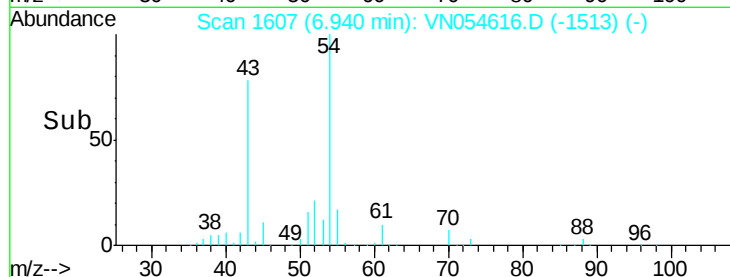
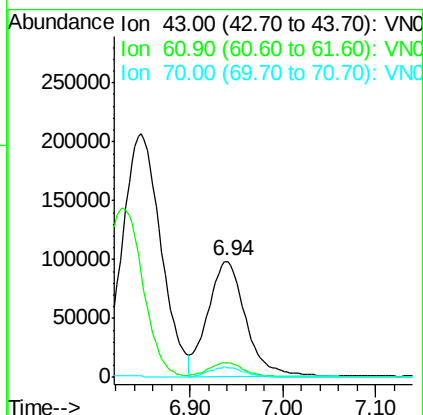
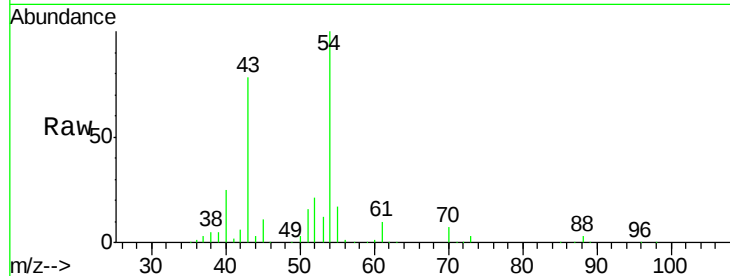




#37
Ethyl Acetate
Concen: 58.646 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

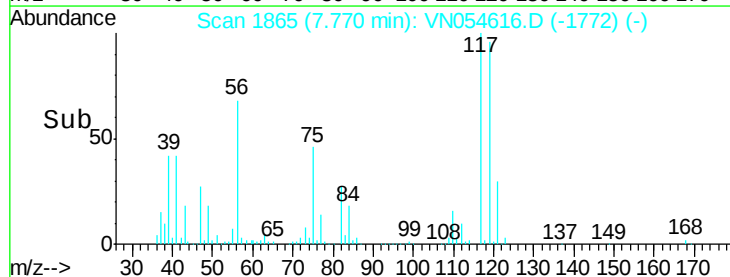
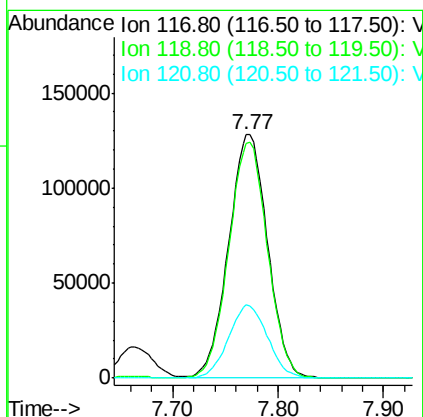
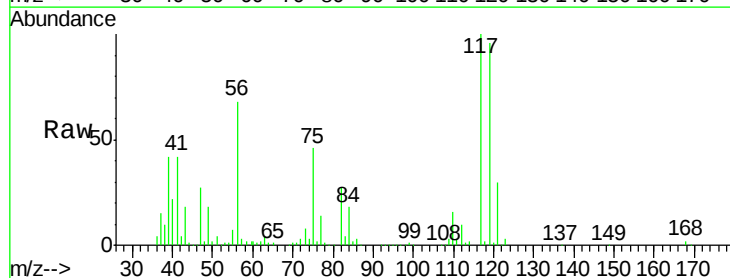
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

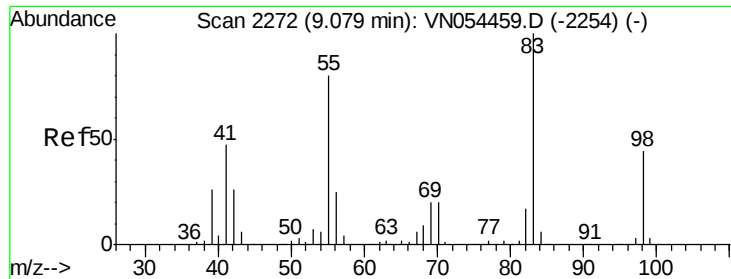
Tot Ion: 43 Resp: 275133
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 8.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.333 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 117 Resp: 329044
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5
121 30.0 24.6 36.8

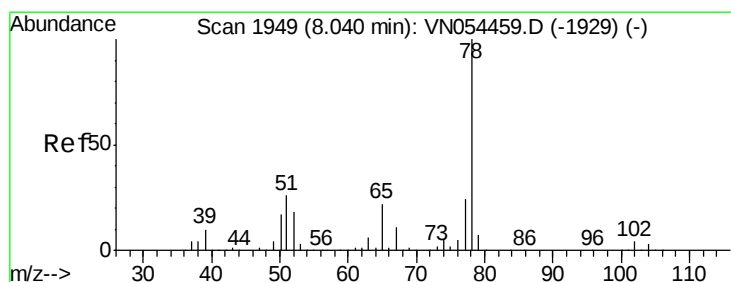
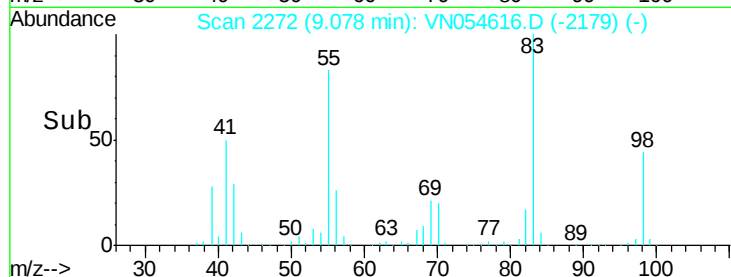
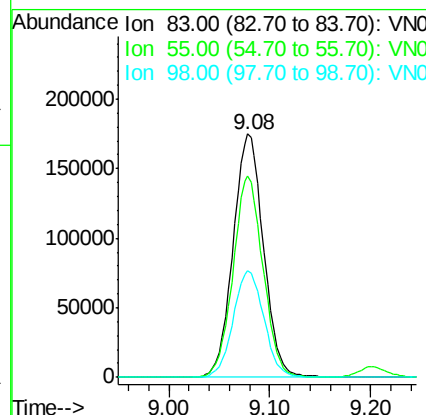
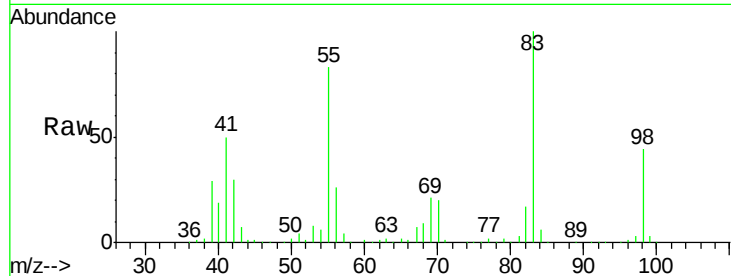




#39
Methvlcvclohexane
Concen: 48.544 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

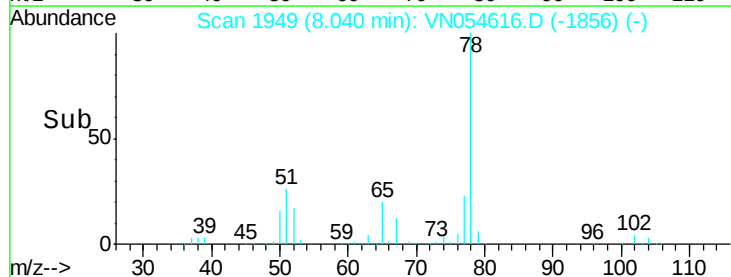
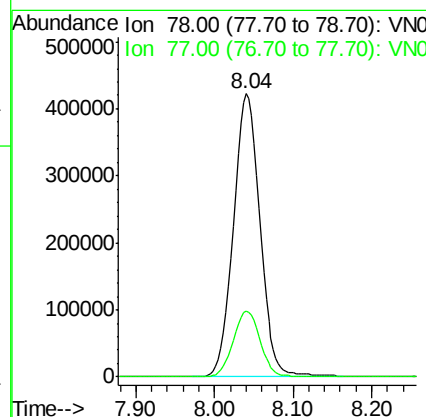
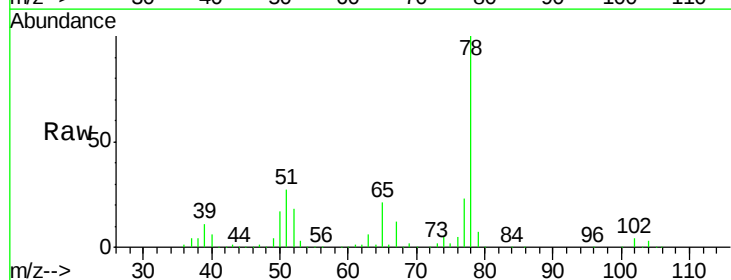
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 366277
Ion Ratio Lower Upper
83 100
55 82.7 56.6 84.8
98 43.6 38.4 57.6



#40
Benzene
Concen: 52.514 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 78 Resp: 990511
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

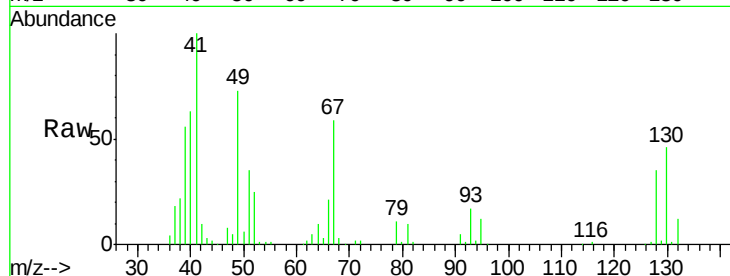




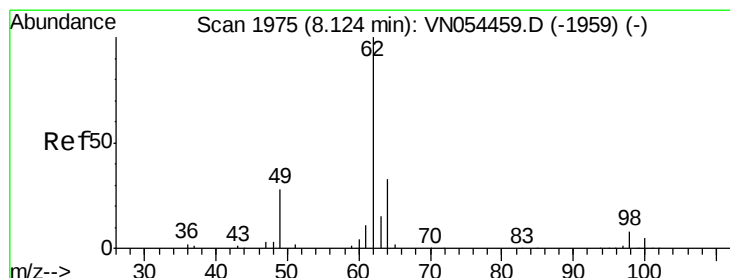
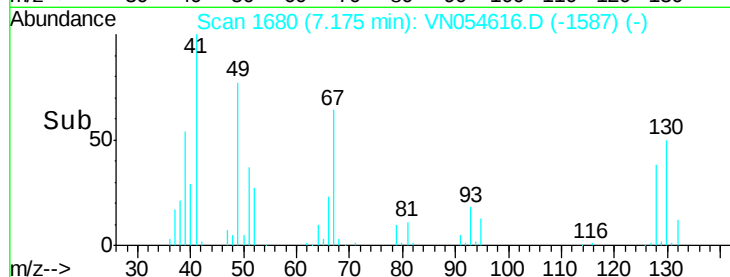
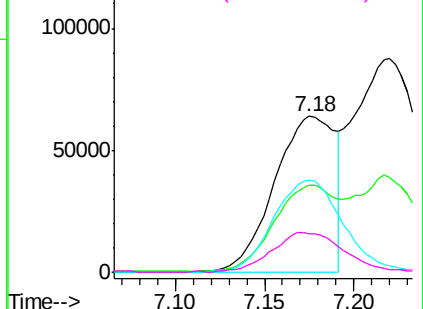
#41
Methacrylonitrile
Concen: 52.933 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 41 Resp: 151445
Ion Ratio Lower Upper
41 100
39 55.0 46.8 70.2
67 68.4 67.0 100.4
52 29.6 26.5 39.7

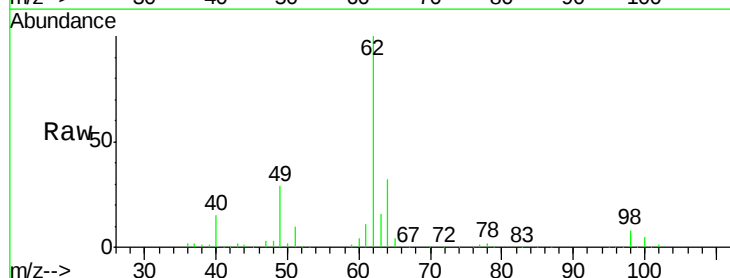


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

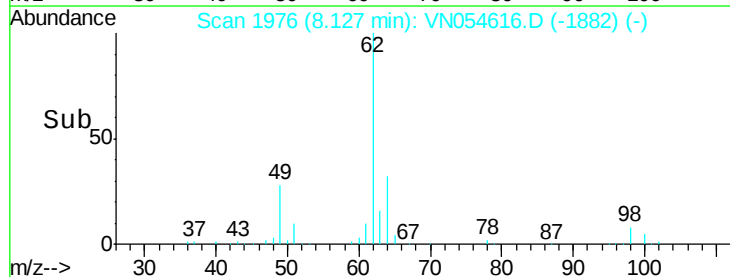
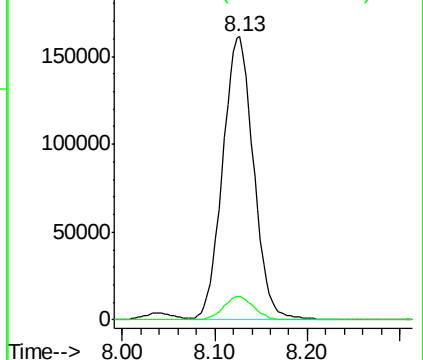


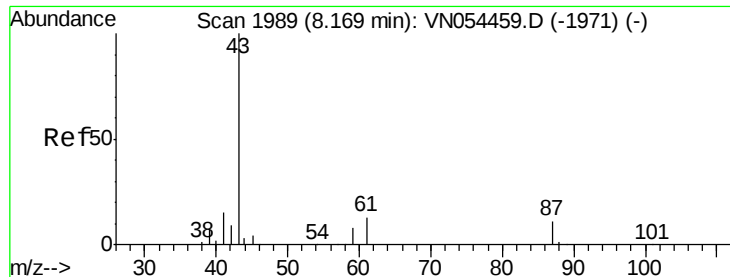
#42
1,2-Dichloroethane
Concen: 53.985 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 62 Resp: 370830
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 58.805 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

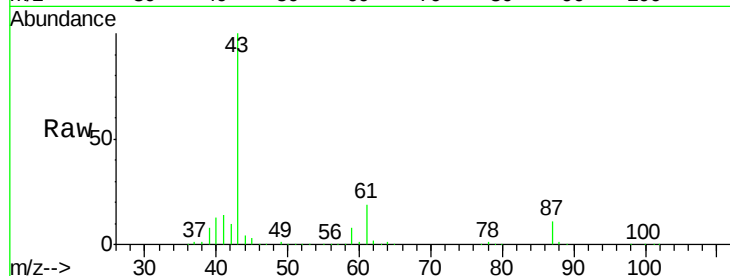
Tot Ion: 43 Resp: 465914

Ion Ratio Lower Upper

43 100

61 17.4 15.8 23.8

87 10.7 12.0 18.0#

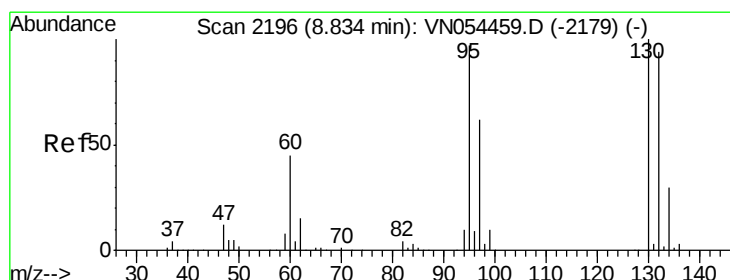
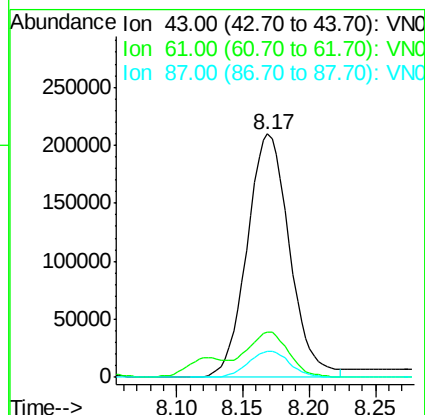
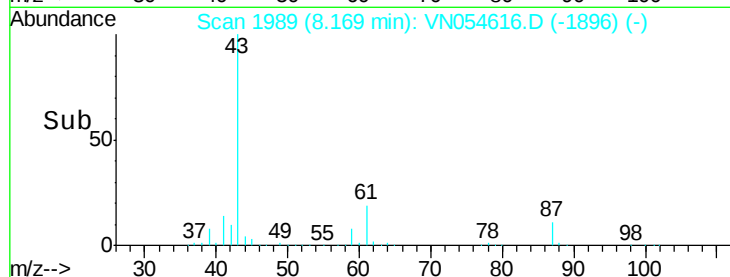


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 49.257 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054616.D

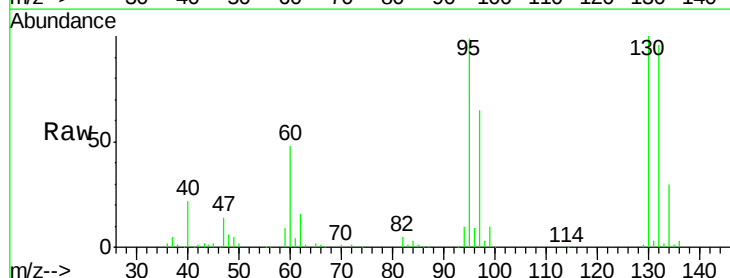
Acq: 23 Mar 2019 21:01

Tgt Ion:130 Resp: 258307

Ion Ratio Lower Upper

130 100

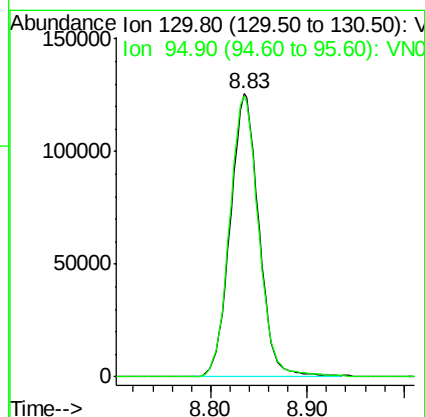
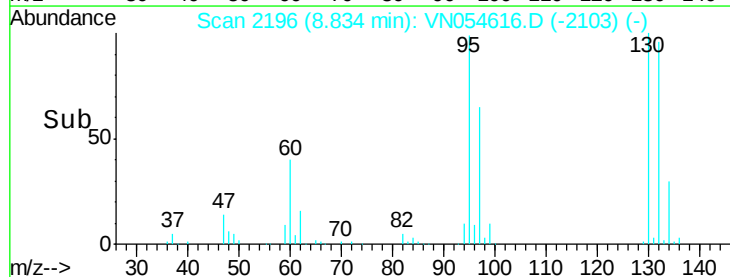
95 99.1 0.0 185.2

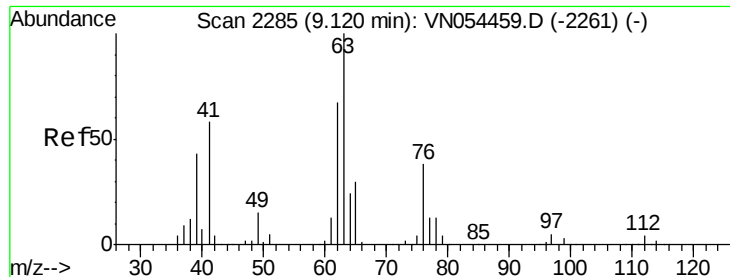


Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

Time-->

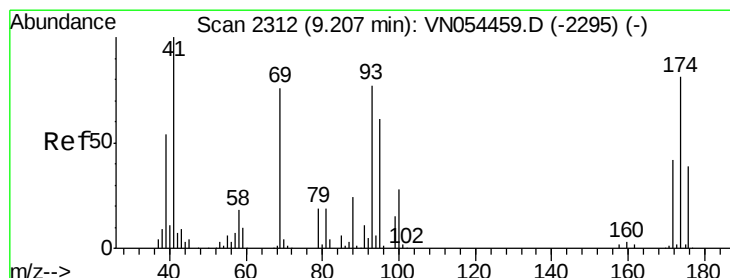
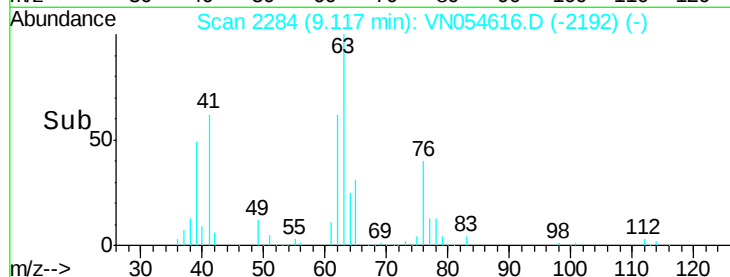
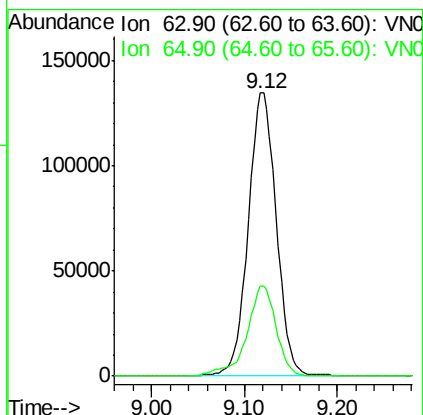
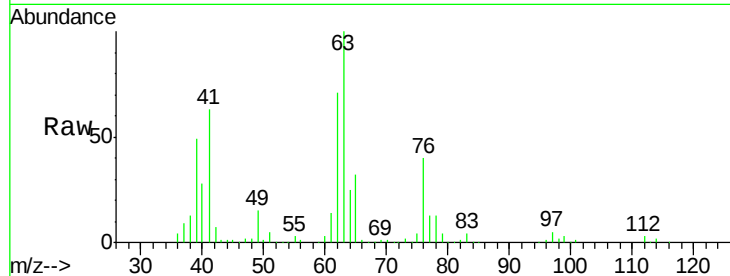




#45
 1,2-Dichloropropane
 Concen: 55.777 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

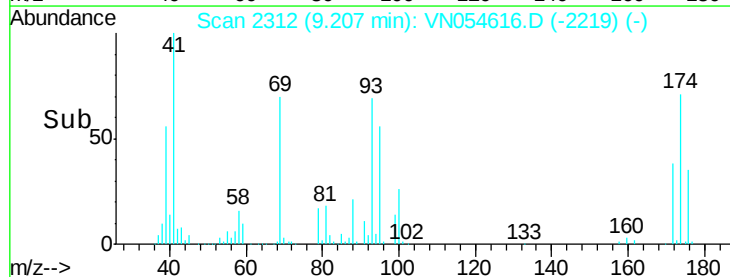
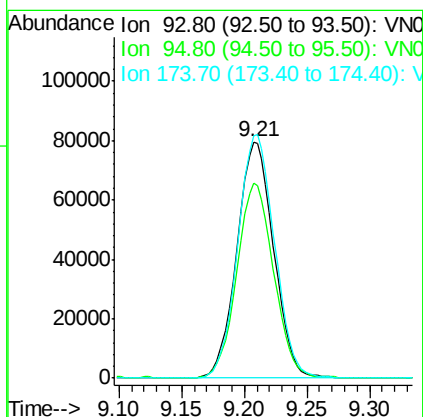
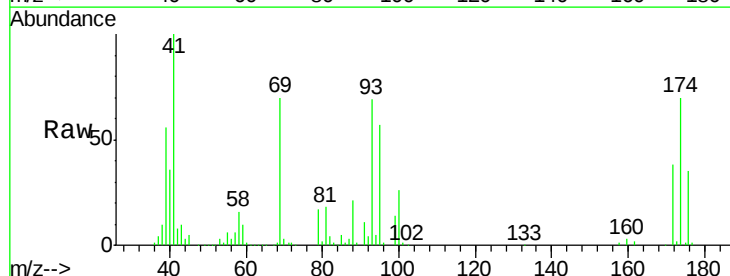
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 282501
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 53.767 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 93 Resp: 162461
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 102.8 98.5 147.7





#47

Bromodichloromethane

Concen: 55.482 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

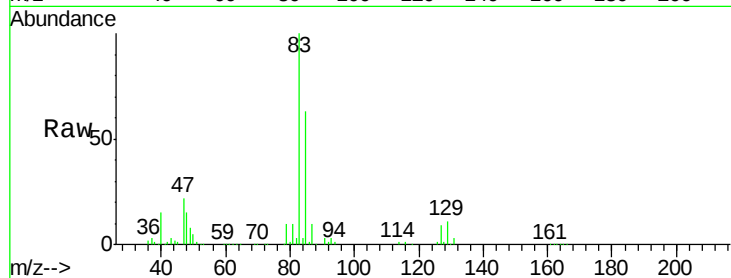
Tot Ion: 83 Resp: 347916

Ion Ratio Lower Upper

83 100

85 63.1 52.8 79.2

127 8.5 7.4 11.2

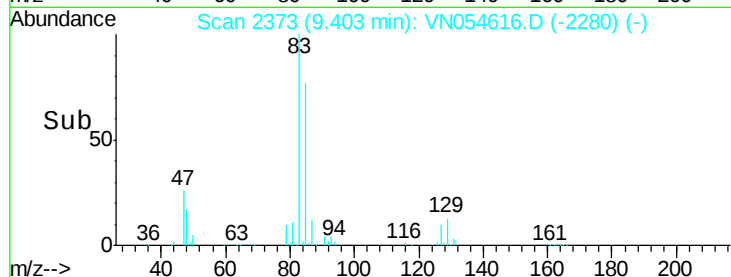


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)

Time-->

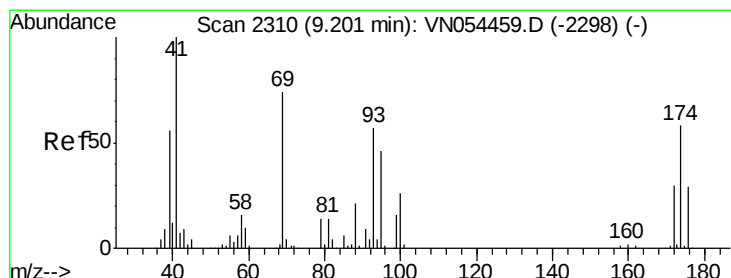


Abundance Ion 82.90 (82.60 to 83.60): VN054616.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054616.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054616.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 56.565 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

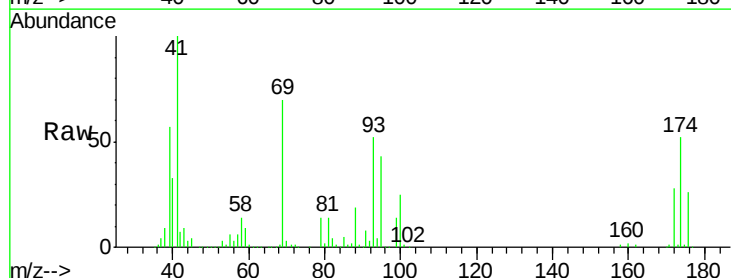
Tgt Ion: 41 Resp: 243250

Ion Ratio Lower Upper

41 100

69 72.3 72.6 108.8#

39 57.3 47.5 71.3

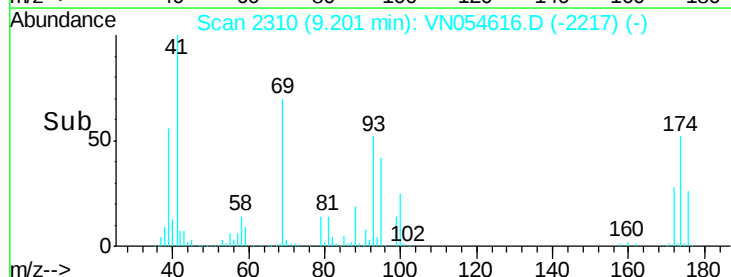


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)

Time-->

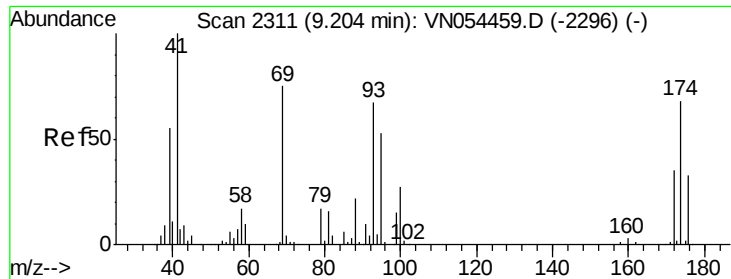


Abundance Ion 41.00 (40.70 to 41.70): VN054616.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054616.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054616.D (-2217) (-)

Time-->



#49

1,4-Dioxane

Concen: 1076.968 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

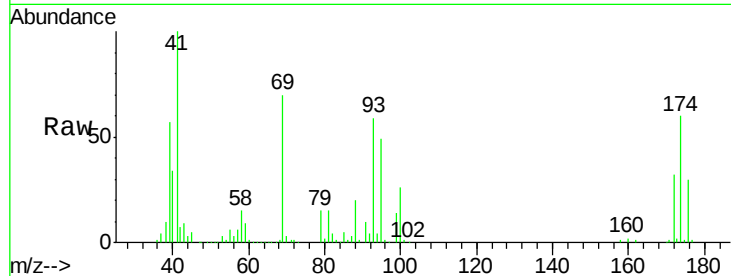
Tot Ion: 88 Resp: 51776

Ion Ratio Lower Upper

88 100

43 43.1 24.1 36.1#

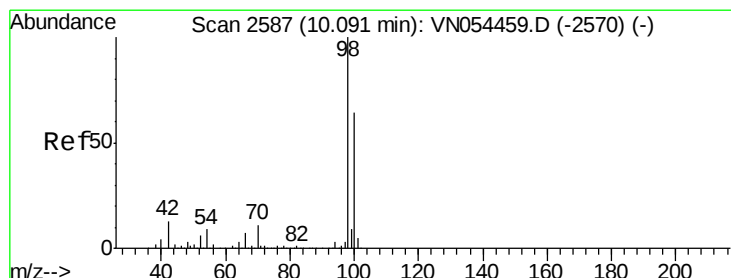
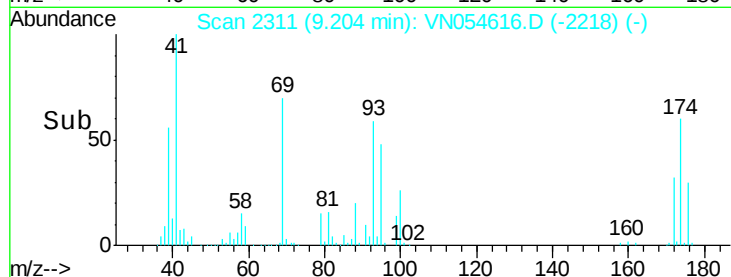
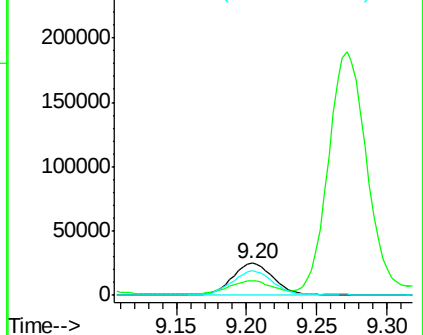
58 76.4 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 50.468 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054616.D

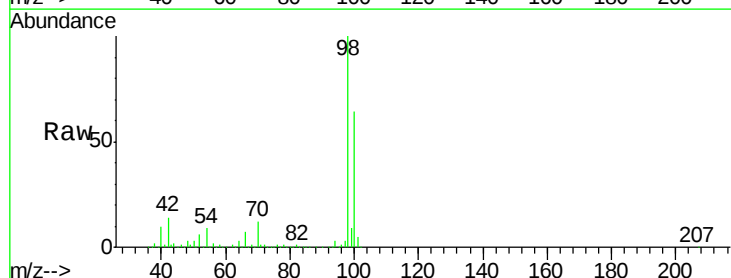
Acq: 23 Mar 2019 21:01

Tgt Ion: 98 Resp: 862306

Ion Ratio Lower Upper

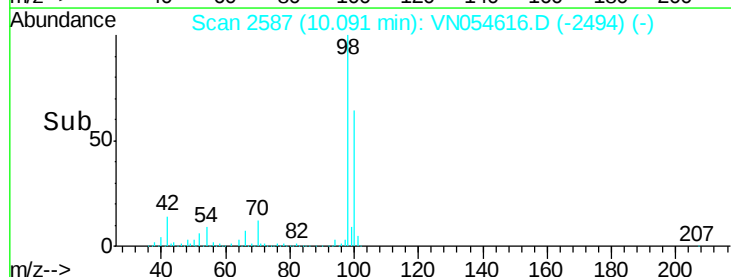
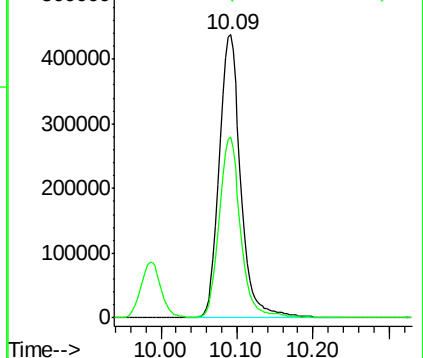
98 100

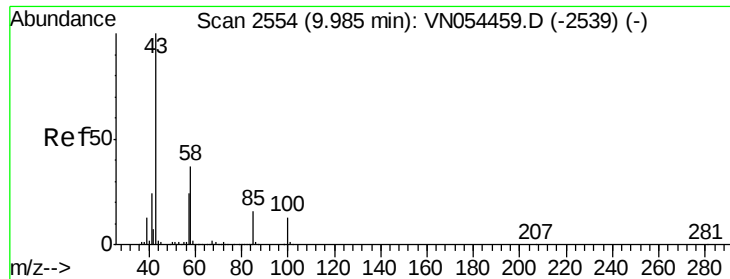
100 62.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 304.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

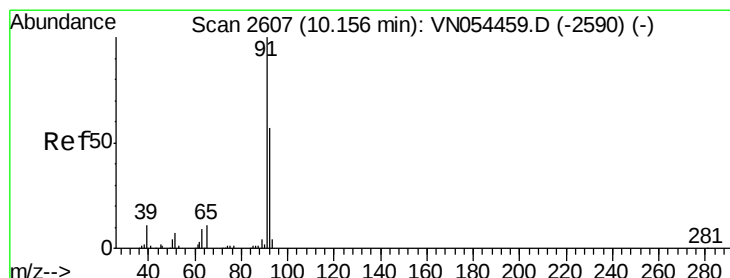
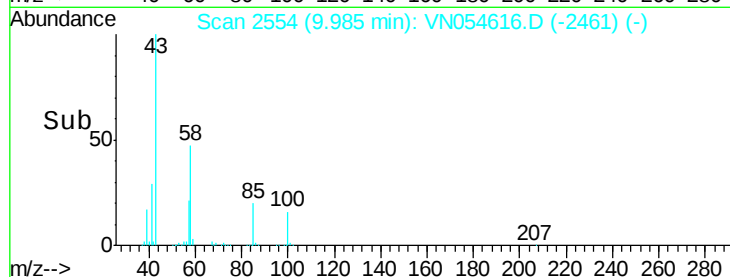
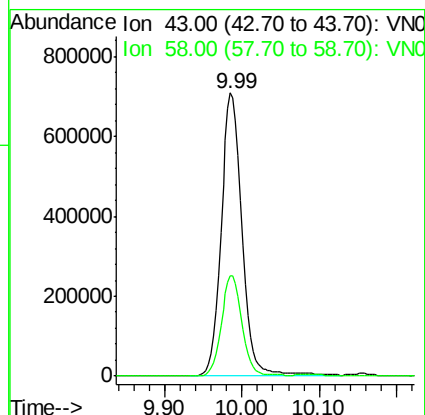
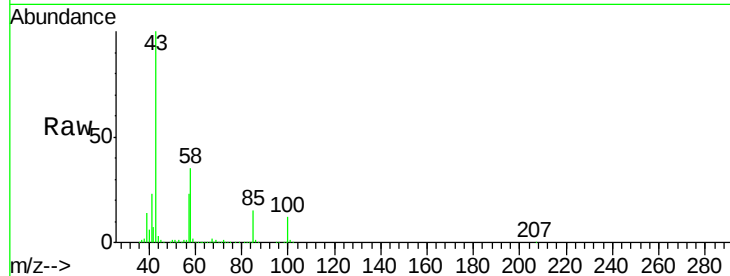
VSTDCCC050

Tot Ion: 43 Resp: 1335976

Ion Ratio Lower Upper

43 100

58 35.0 31.8 47.6



#52

Toluene

Concen: 51.949 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054616.D

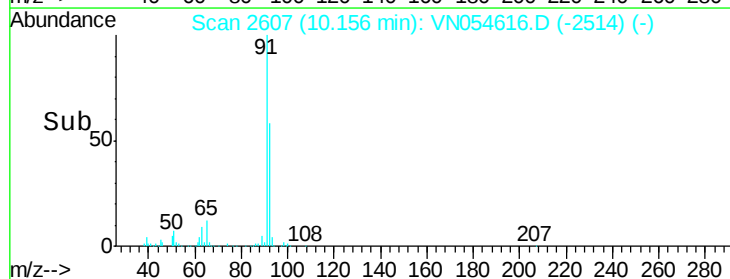
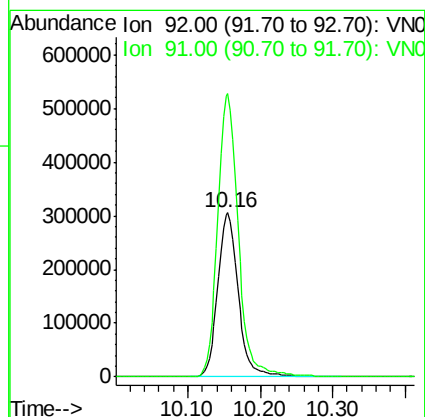
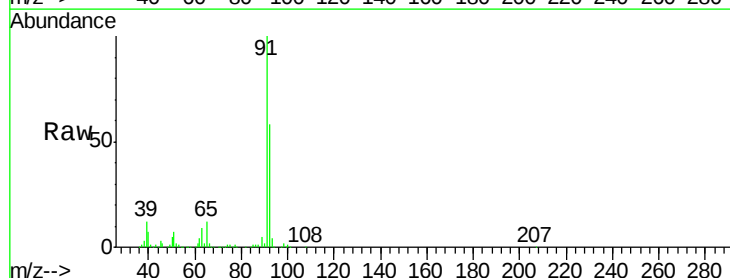
Acq: 23 Mar 2019 21:01

Tgt Ion: 92 Resp: 602659

Ion Ratio Lower Upper

92 100

91 173.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 49.940 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

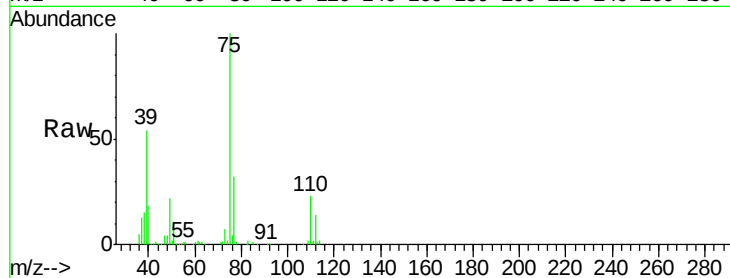
VSTDCCC050

Tot Ion: 75 Resp: 330338

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

150000

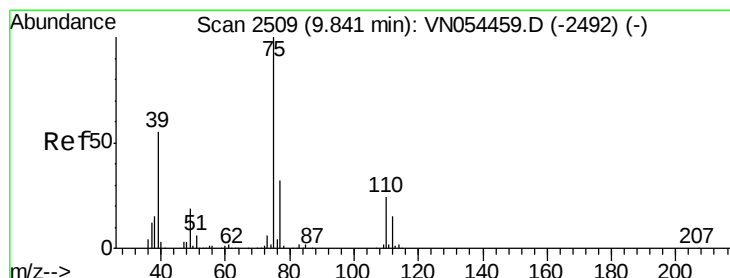
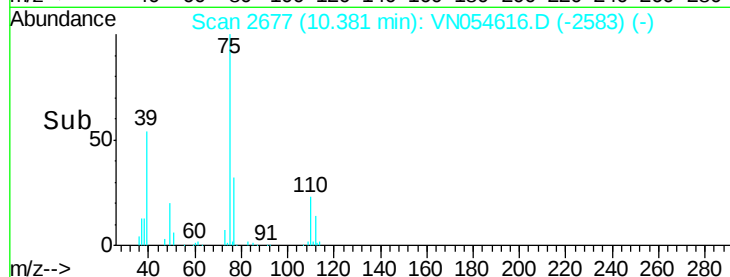
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 54.782 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

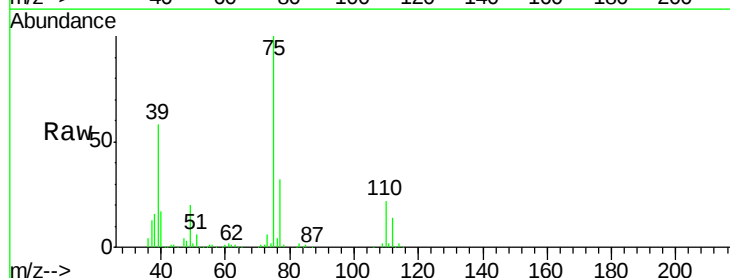
Tgt Ion: 75 Resp: 393893

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 57.9 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

250000

200000

150000

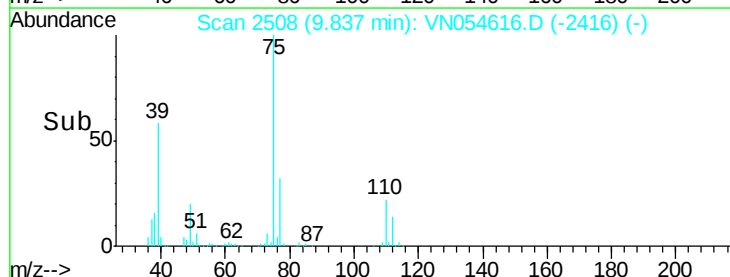
100000

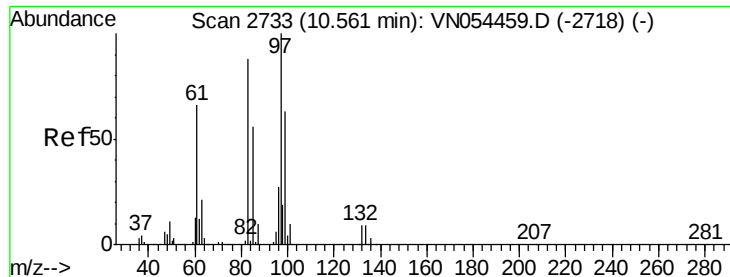
50000

0

Time-->

9.80 9.90 10.00





#55

1,1,2-Trichloroethane

Concen: 53.925 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 224873

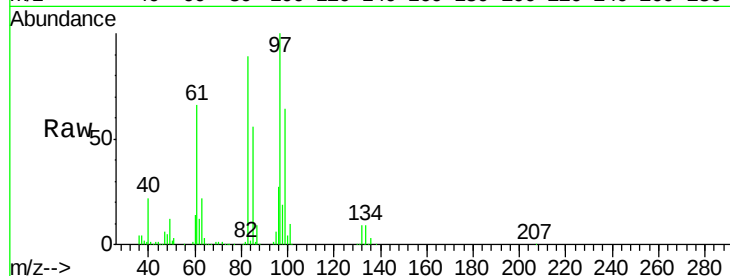
Ion Ratio Lower Upper

97 100

83 89.4 66.6 100.0

85 56.4 44.4 66.6

99 63.6 50.8 76.2

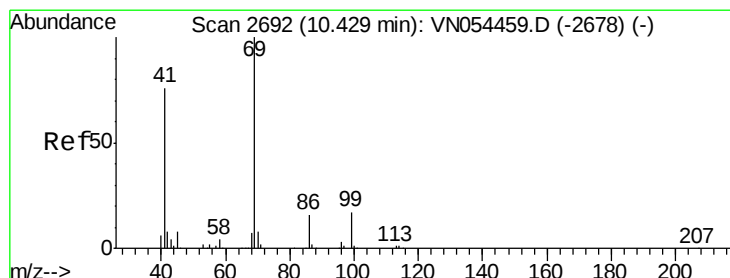
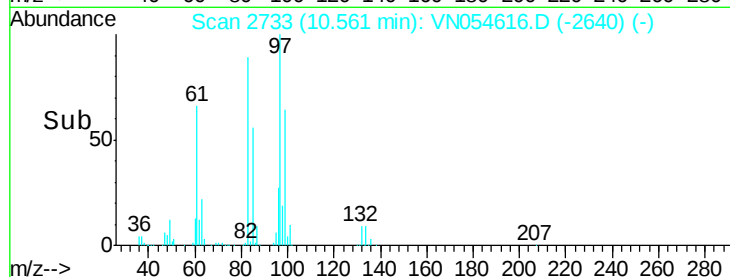
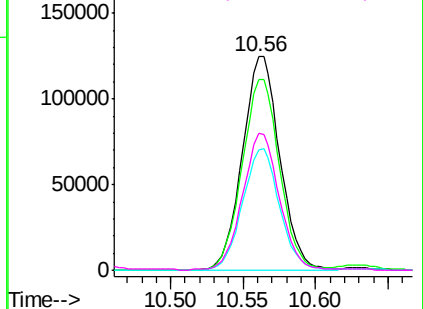


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.695 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

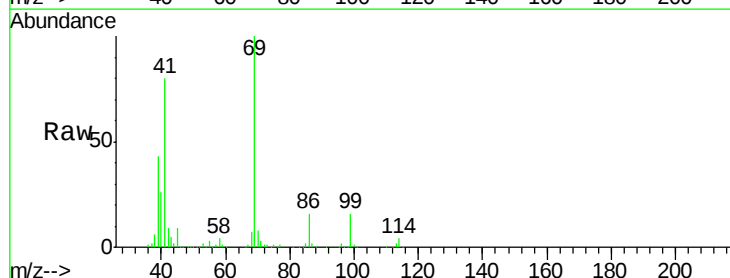
Tgt Ion: 69 Resp: 322932

Ion Ratio Lower Upper

69 100

41 78.2 49.4 74.2#

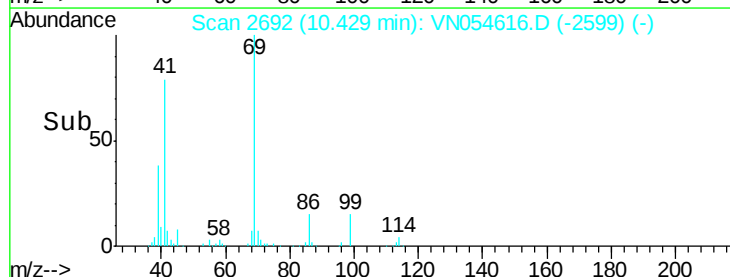
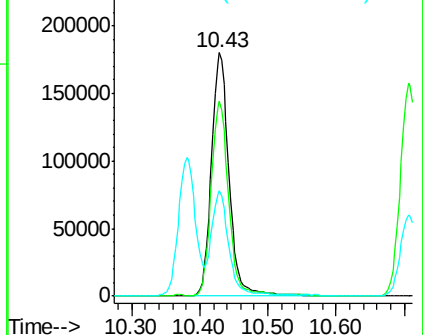
39 42.4 28.3 42.5

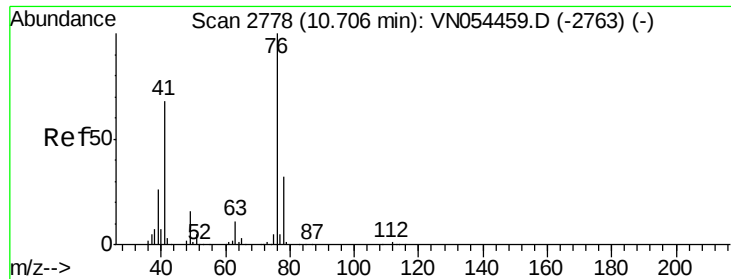


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.688 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

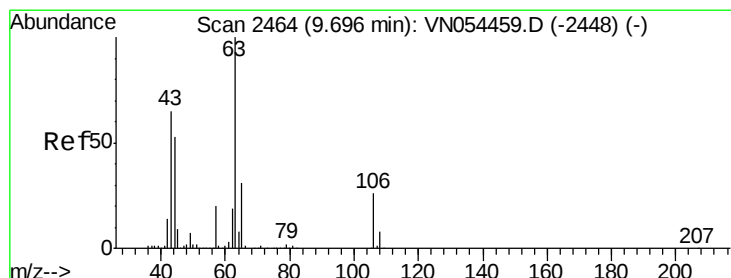
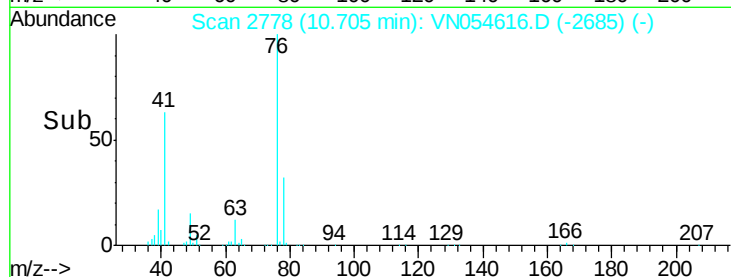
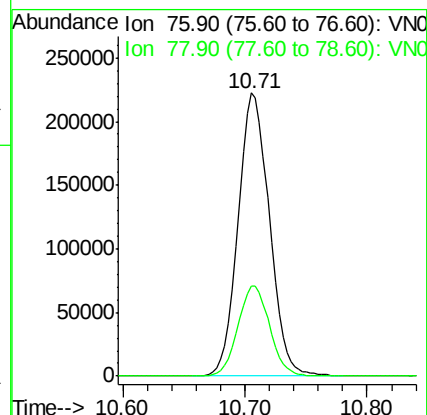
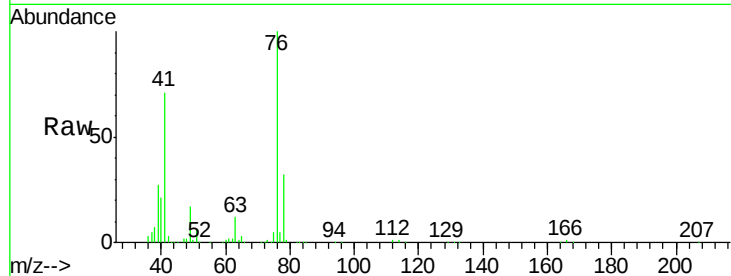
VSTDCCC050

Tot Ion: 76 Resp: 396435

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 266.119 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054616.D

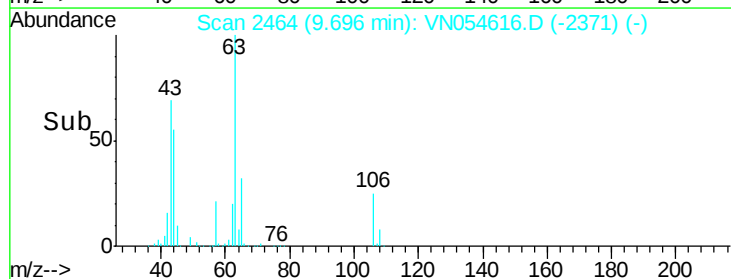
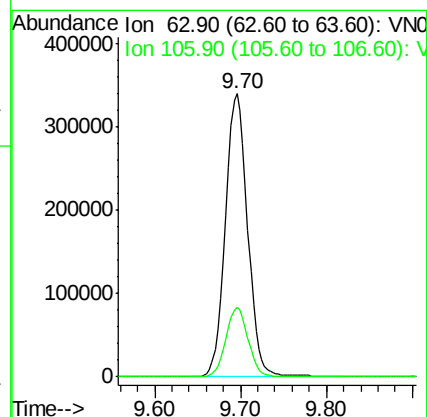
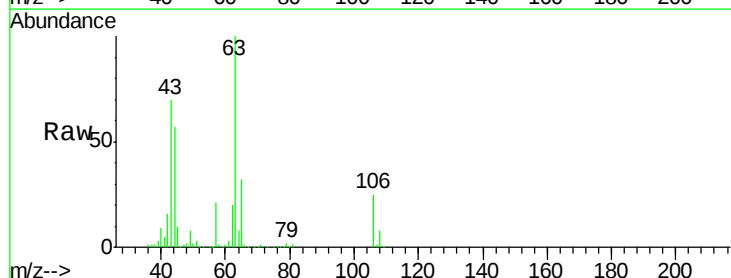
Acq: 23 Mar 2019 21:01

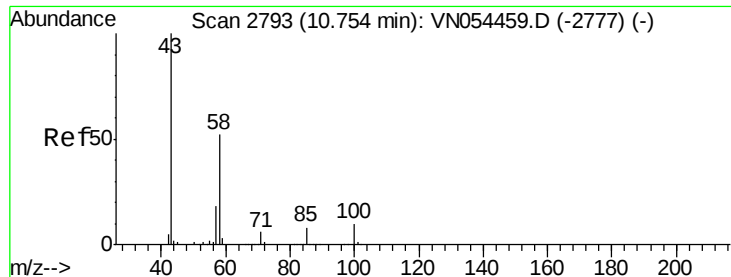
Tgt Ion: 63 Resp: 613349

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6

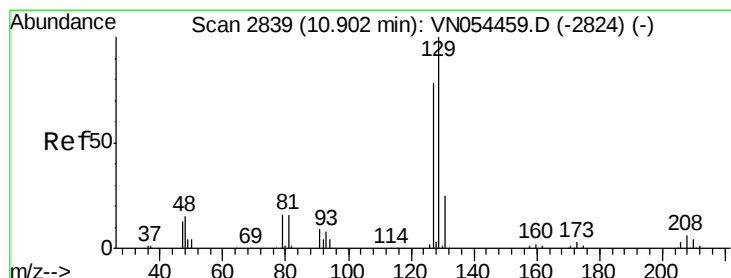
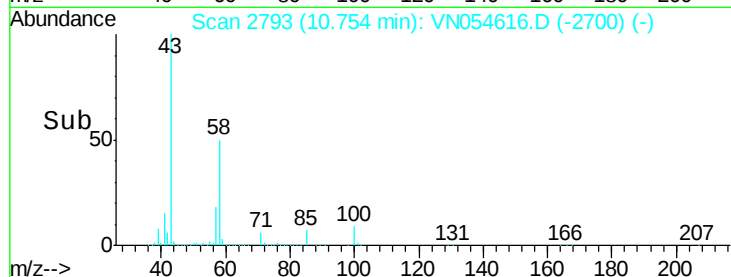
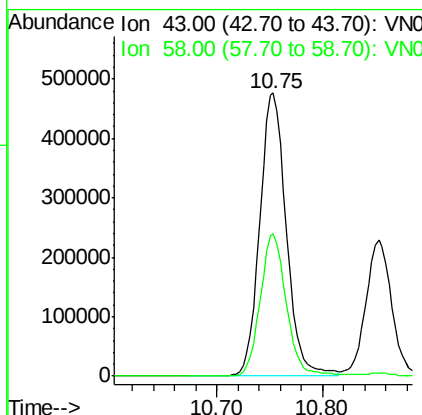
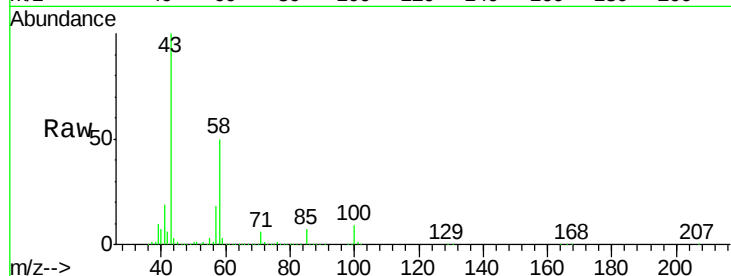




#59
2-Hexanone
Concen: 291.402 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

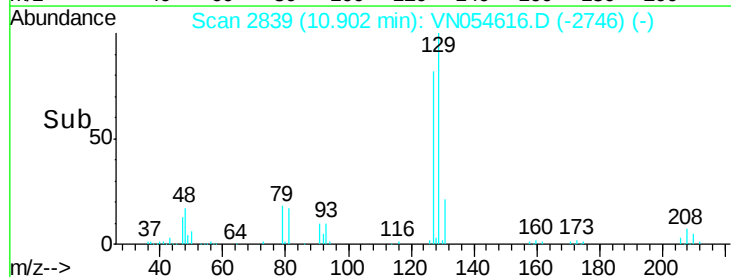
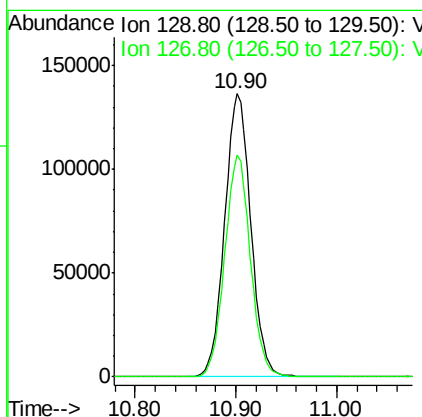
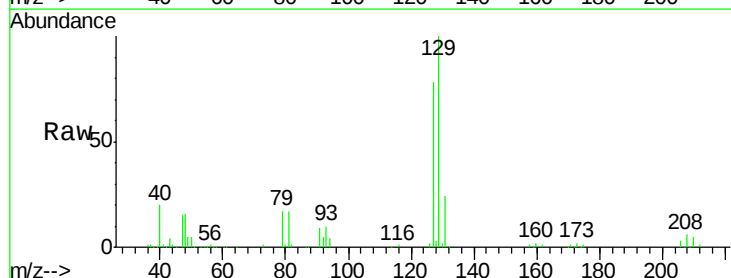
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

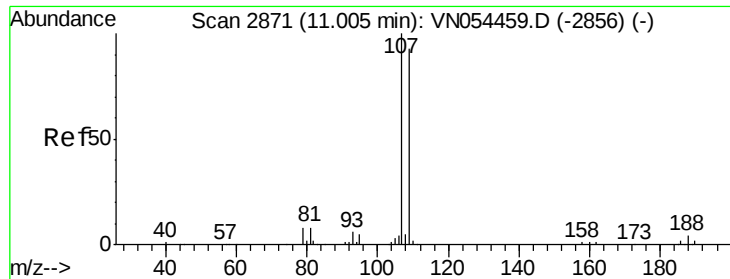
Tot Ion: 43 Resp: 835789
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9



#60
Dibromochloromethane
Concen: 55.701 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 129 Resp: 247170
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

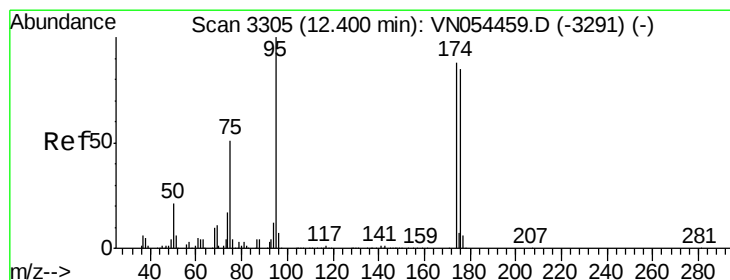
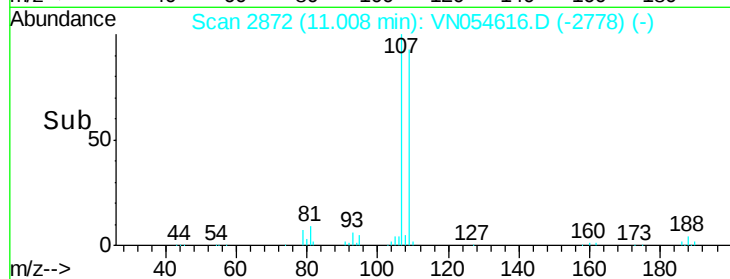
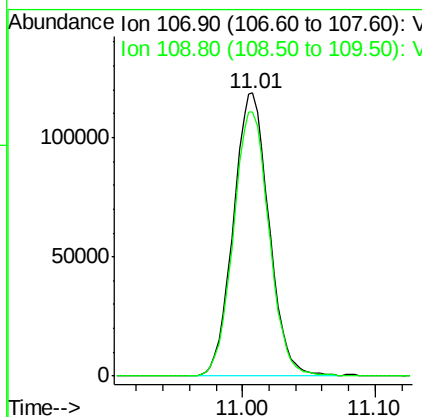
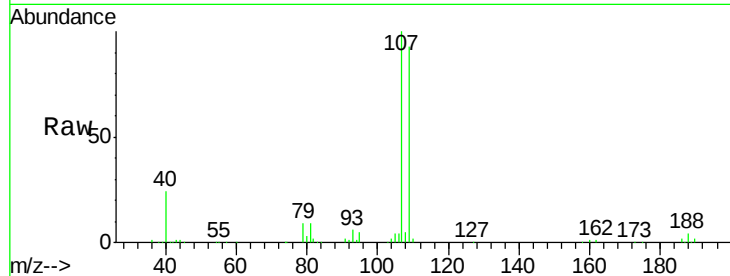




#61
 1,2-Dibromoethane
 Concen: 53.586 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

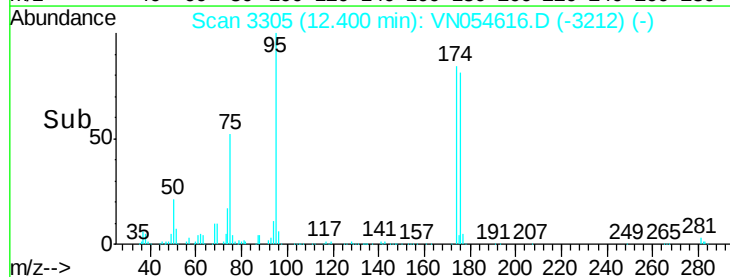
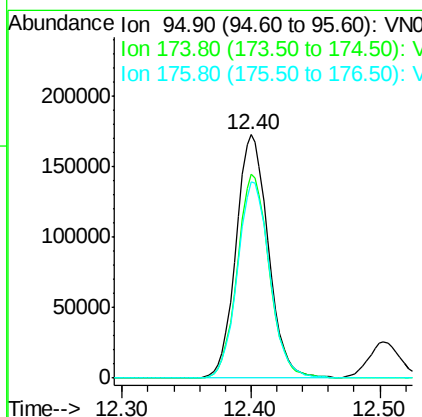
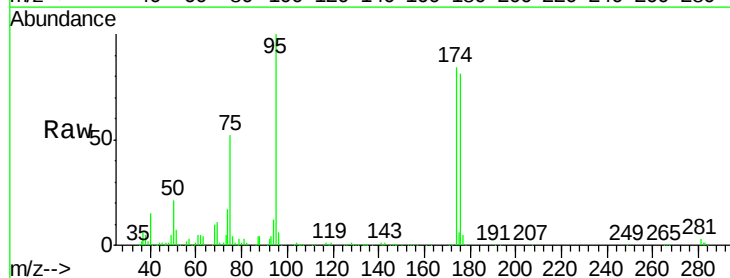
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

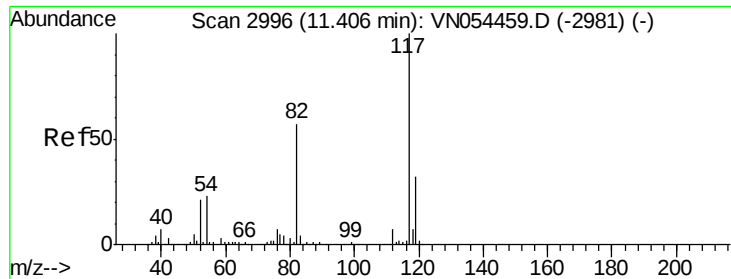
Tot Ion:107 Resp: 220919
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.687 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion: 95 Resp: 300515
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 191.0
 176 80.8 0.0 187.4

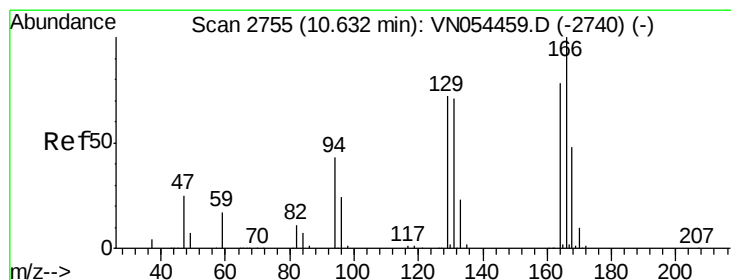
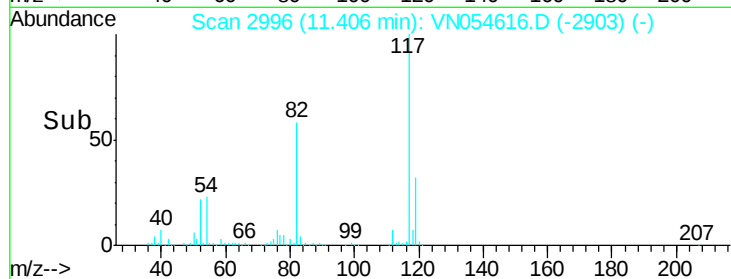
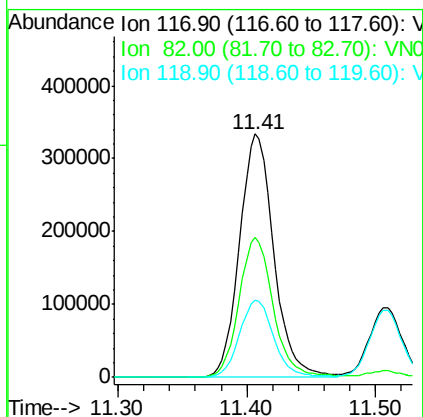
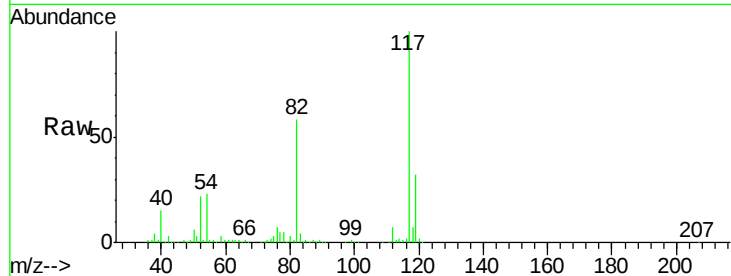




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

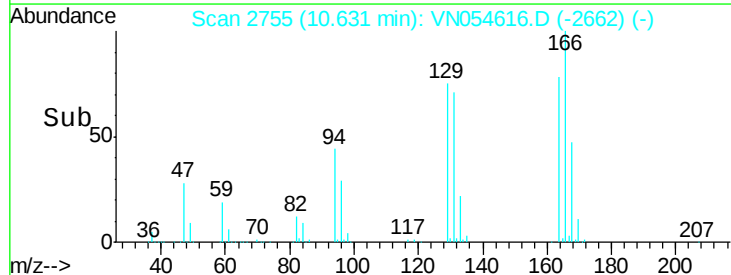
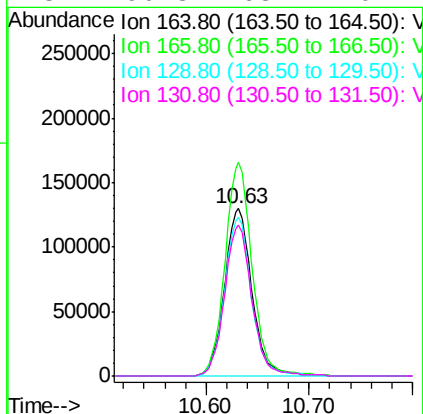
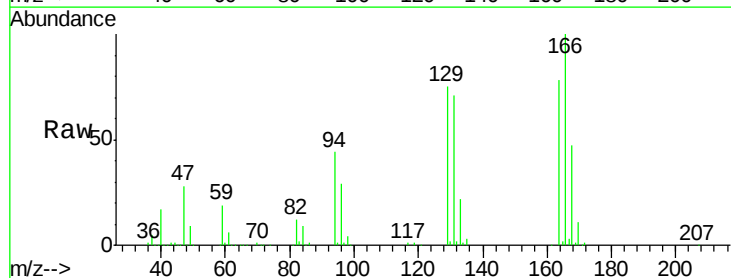
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

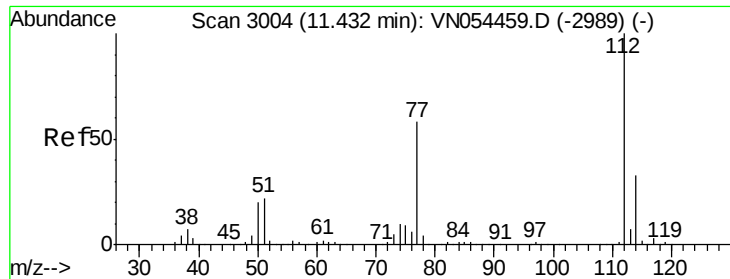
Tot Ion:117 Resp: 619258
Ion Ratio Lower Upper
117 100
82 57.7 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 46.833 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:164 Resp: 240556
Ion Ratio Lower Upper
164 100
166 127.7 103.9 155.9
129 95.2 71.1 106.7
131 90.3 68.2 102.4

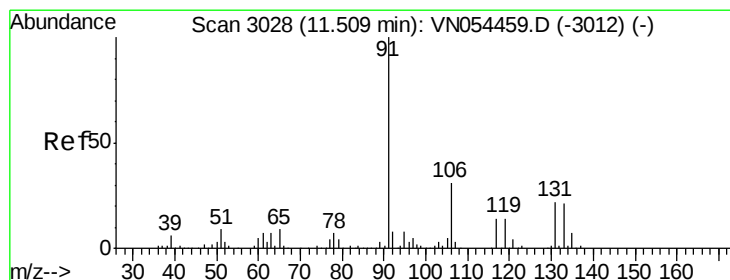
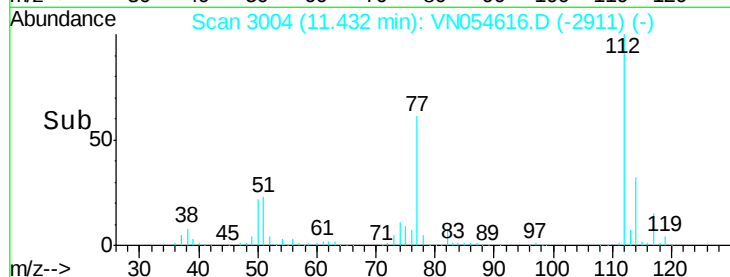
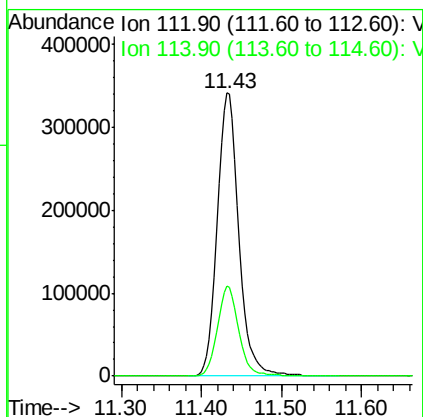
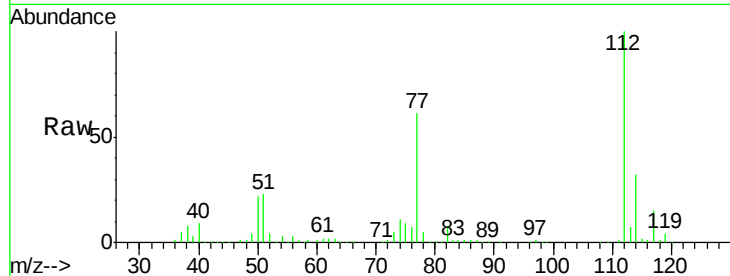




#65
Chlorobenzene
Concen: 50.814 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

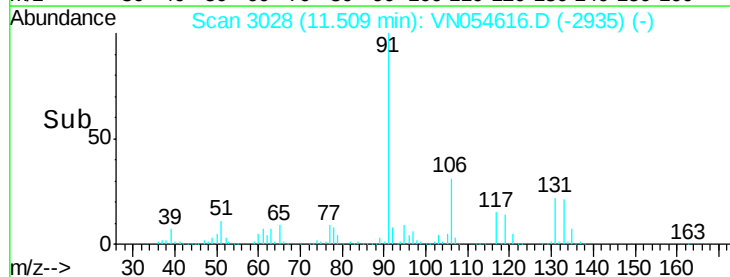
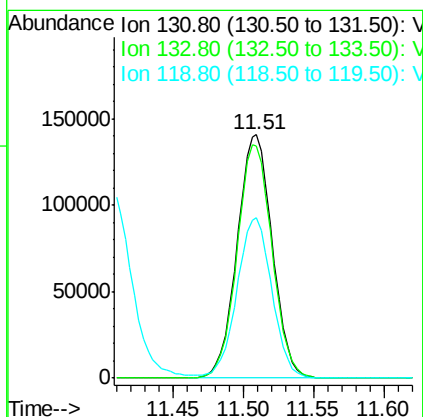
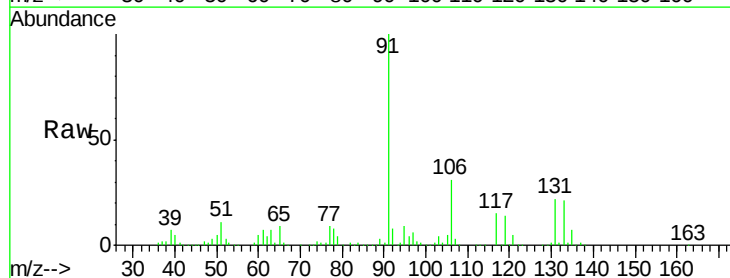
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

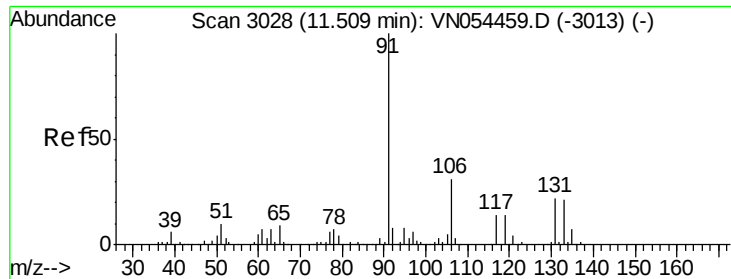
Tot Ion:112 Resp: 640005
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.237 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:131 Resp: 245191
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 65.6 32.4 97.0

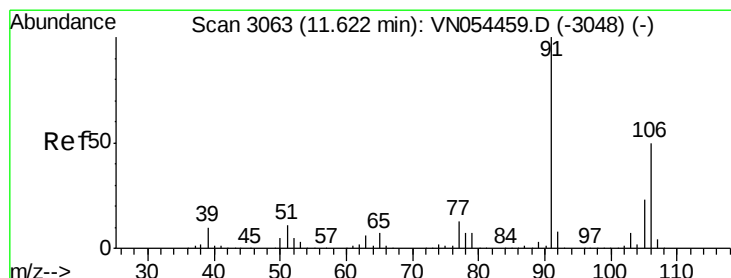
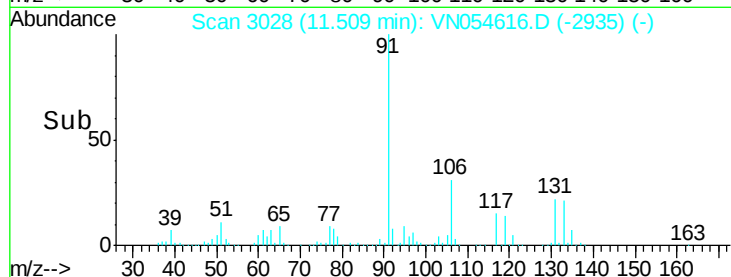
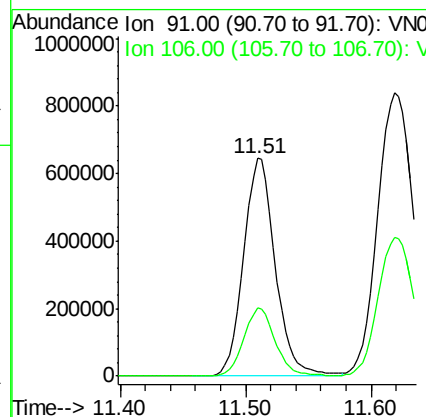
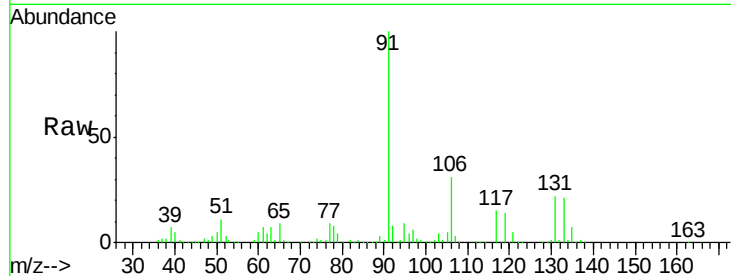




#67
Ethyl Benzene
Concen: 51.129 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

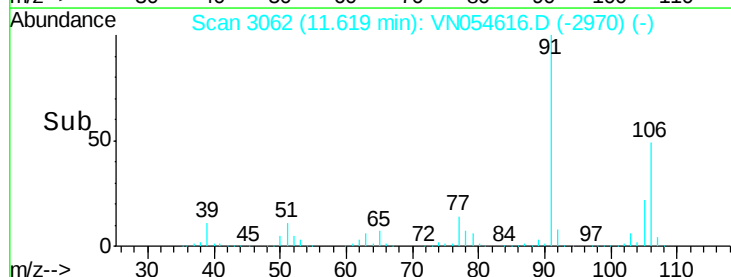
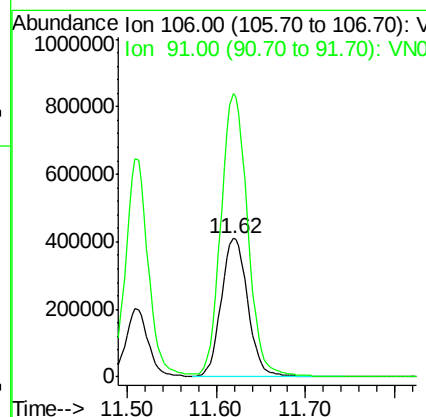
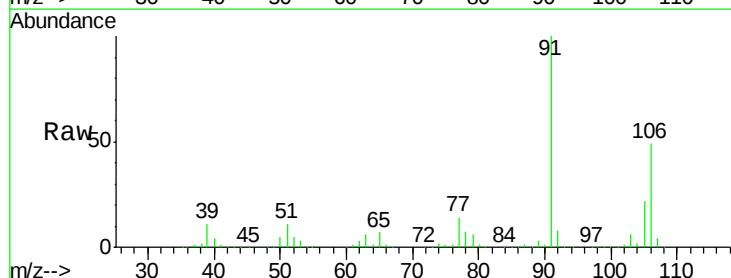
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

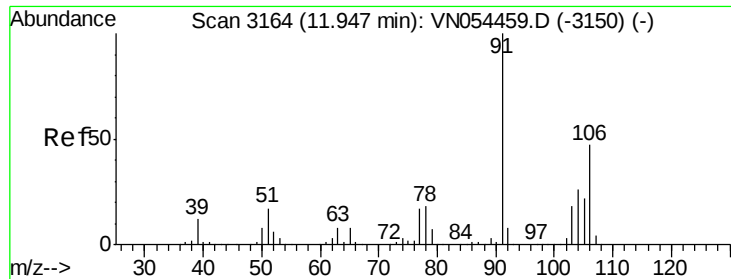
Tot Ion: 91 Resp: 1137530
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 100.708 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion: 106 Resp: 848675
Ion Ratio Lower Upper
106 100
91 205.4 159.4 239.2

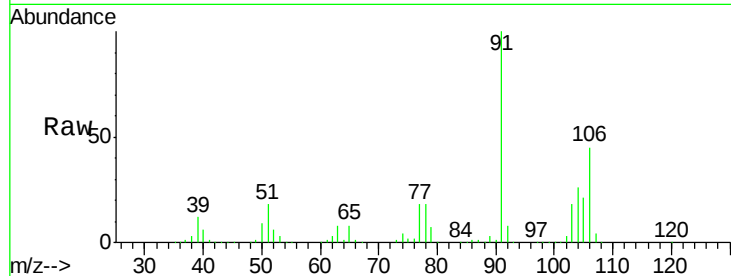




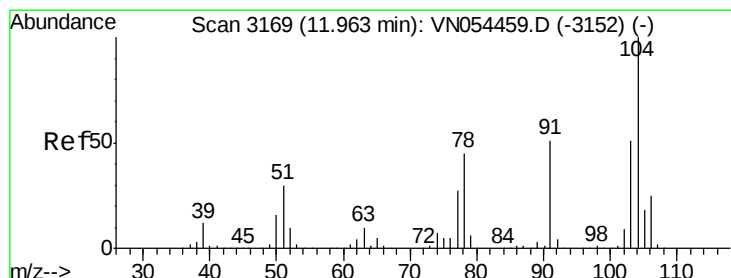
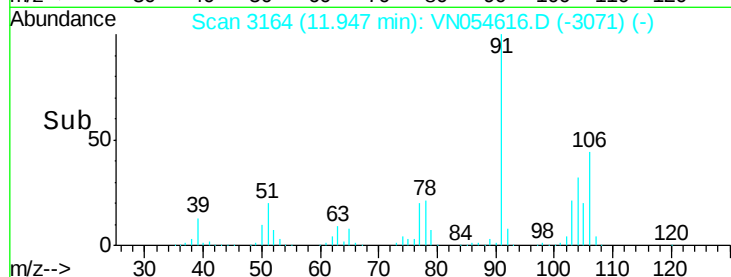
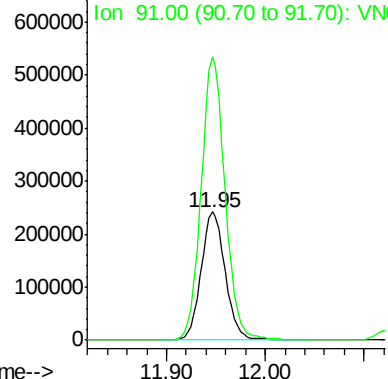
#69
o-Xylene
Concen: 50.509 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 415684
Ion Ratio Lower Upper
106 100
91 218.4 105.7 317.1

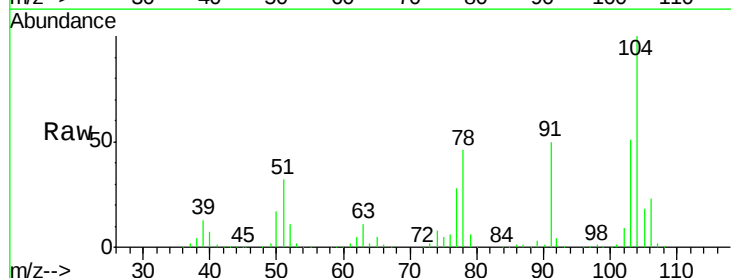


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

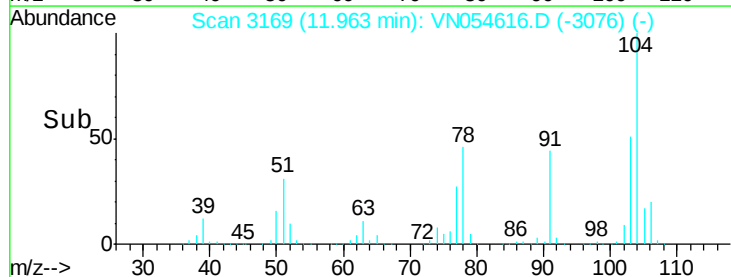
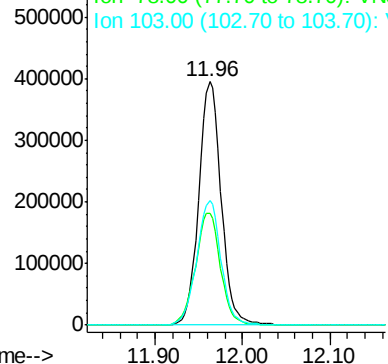


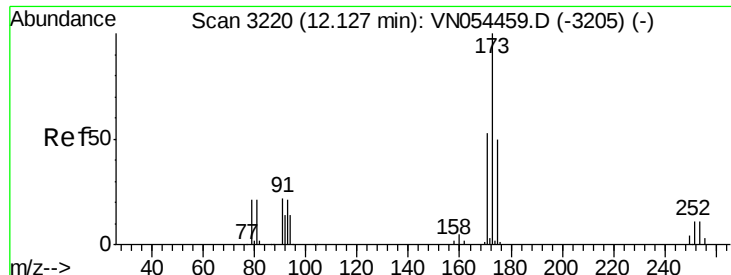
#70
Styrene
Concen: 52.598 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:104 Resp: 702961
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

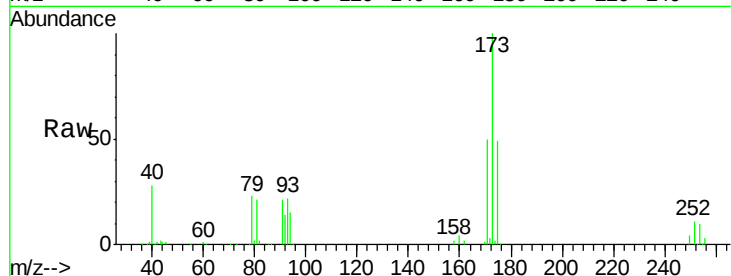




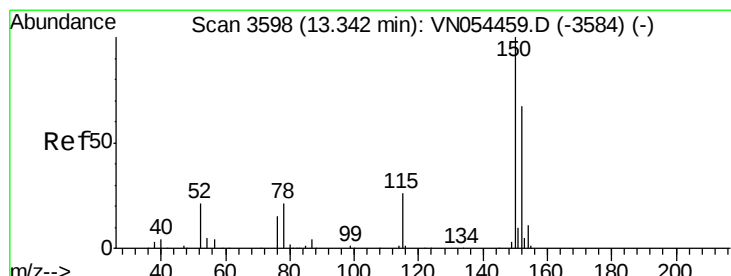
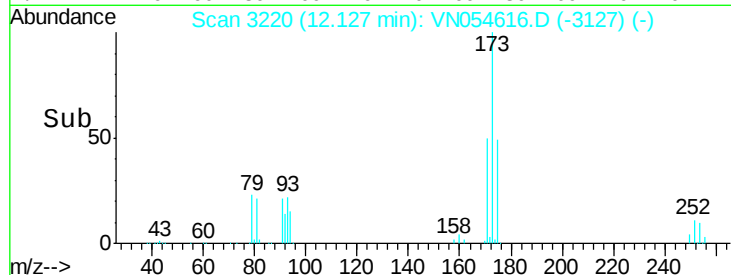
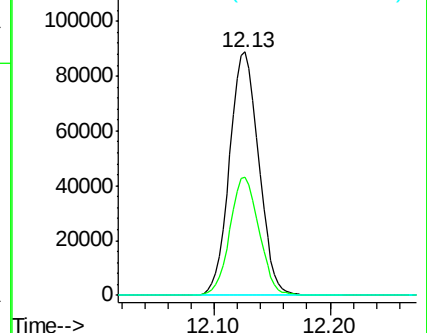
#71
Bromoform
Concen: 49.832 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 155287
Ion Ratio Lower Upper
173 100
175 48.4 24.4 73.2
254 0.2 0.1 0.1#

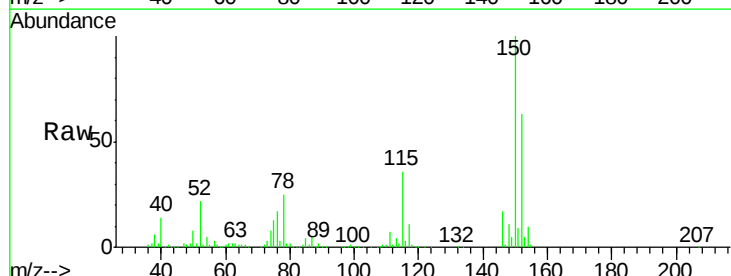


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

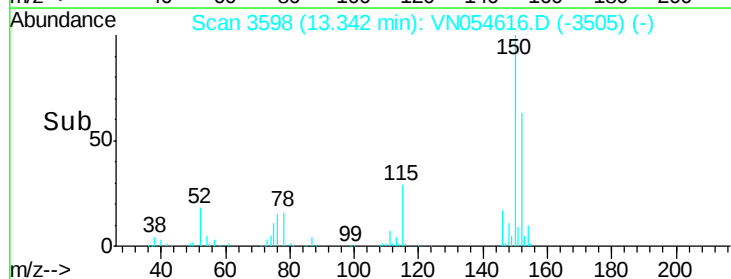
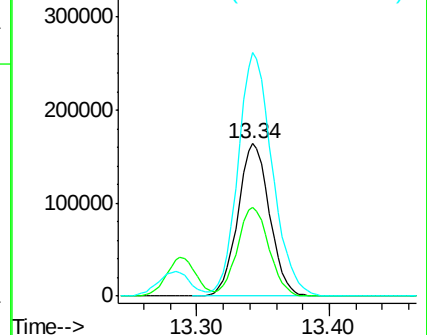


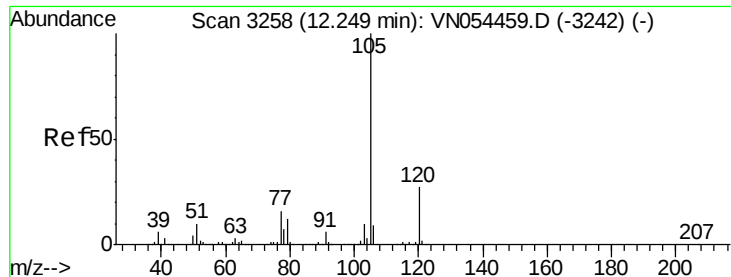
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:152 Resp: 271351
Ion Ratio Lower Upper
152 100
115 58.2 27.2 81.6
150 172.6 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: 49.835 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

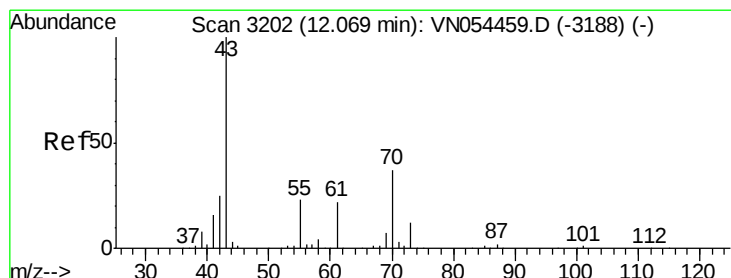
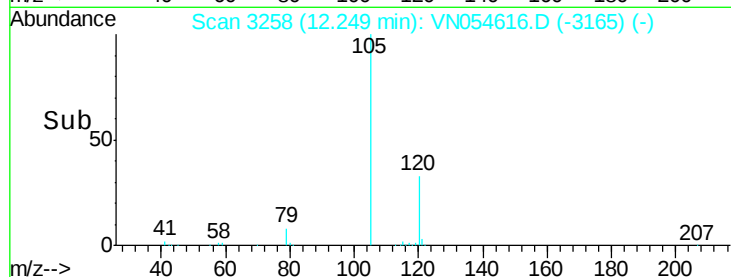
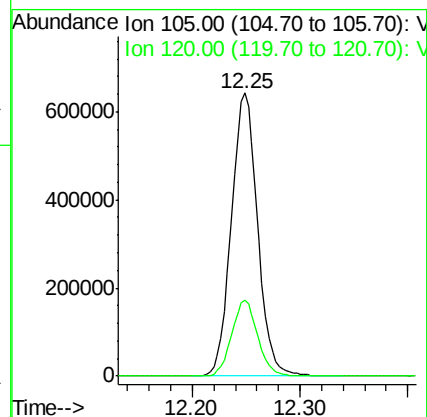
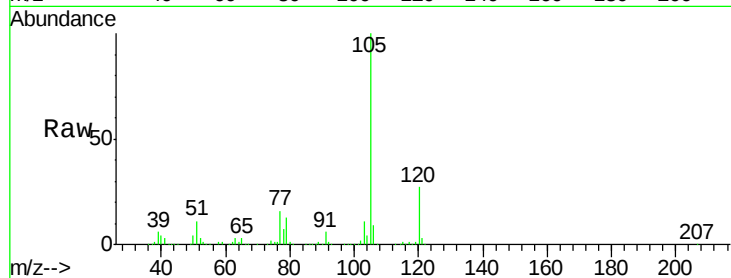
VSTDCCC050

Tot Ion:105 Resp: 1089685

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 61.528 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Tgt Ion: 43 Resp: 386843

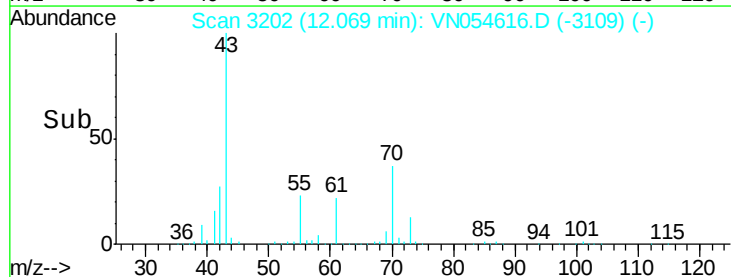
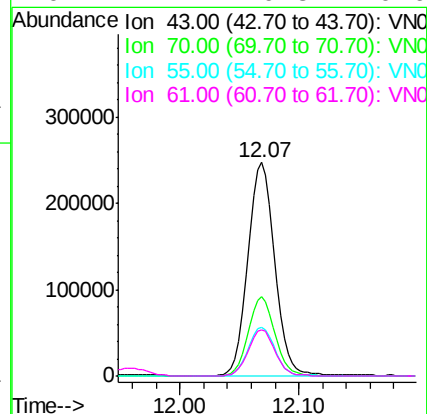
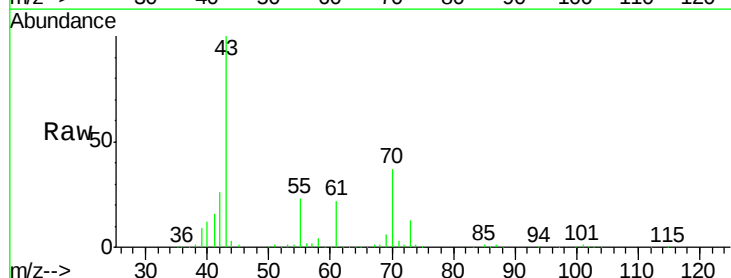
Ion Ratio Lower Upper

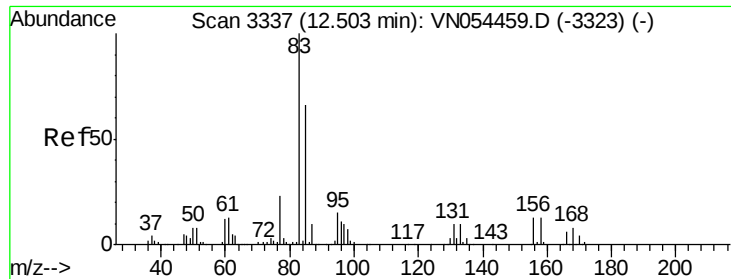
43 100

70 36.8 35.4 53.0

55 23.2 19.8 29.6

61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.464 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

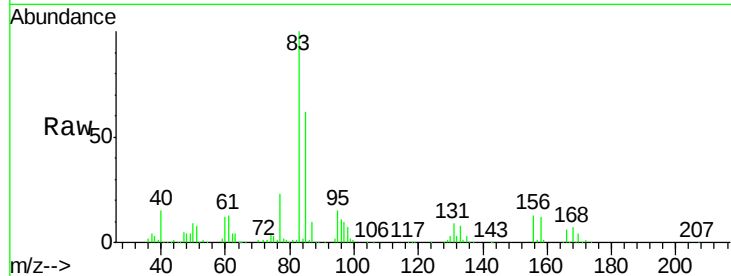
Tot Ion: 83 Resp: 286829

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

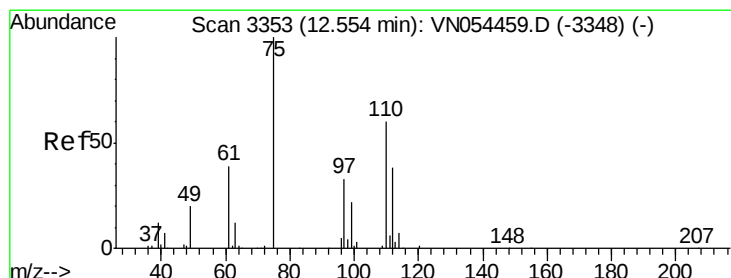
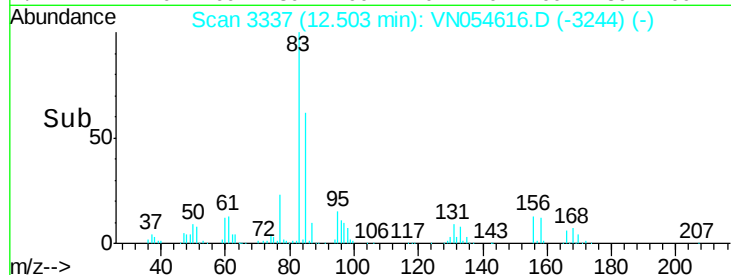
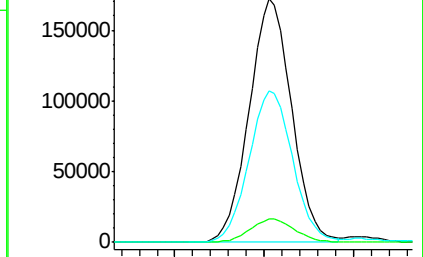
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 78.161 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054616.D

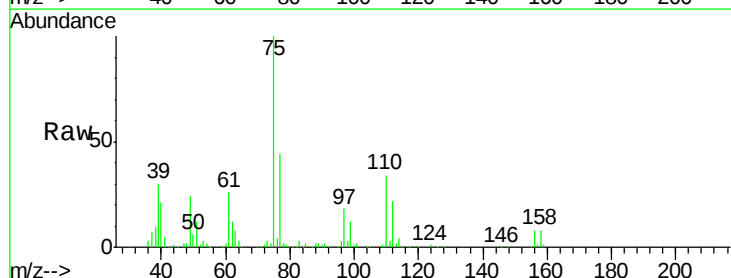
Acq: 23 Mar 2019 21:01

Tgt Ion: 75 Resp: 336556

Ion Ratio Lower Upper

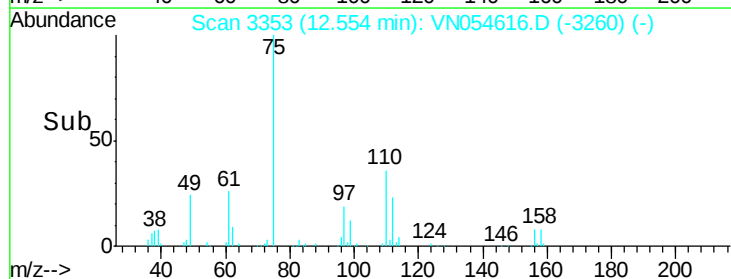
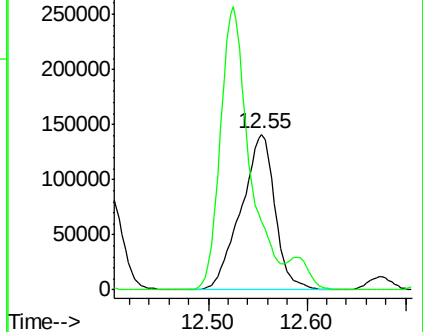
75 100

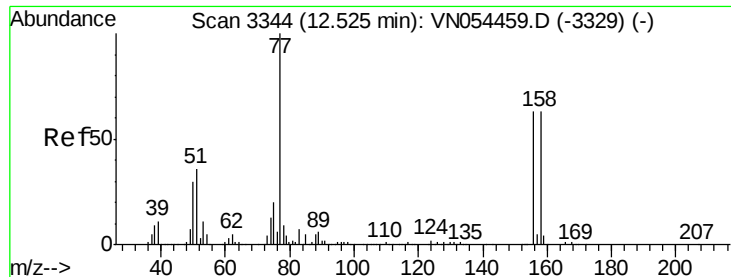
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.585 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

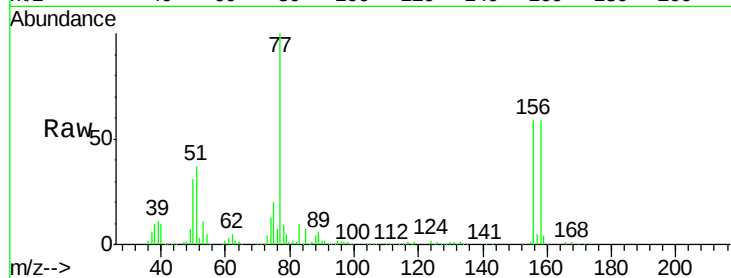
Tot Ion:156 Resp: 274328

Ion Ratio Lower Upper

156 100

77 193.6 81.5 244.4

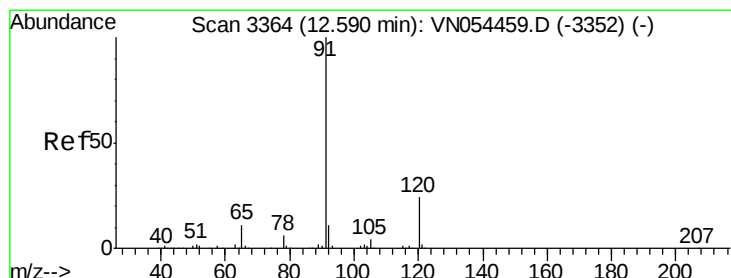
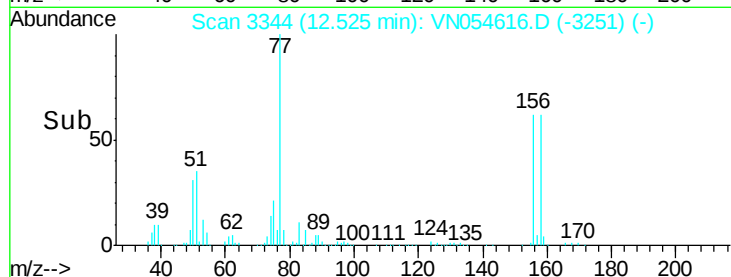
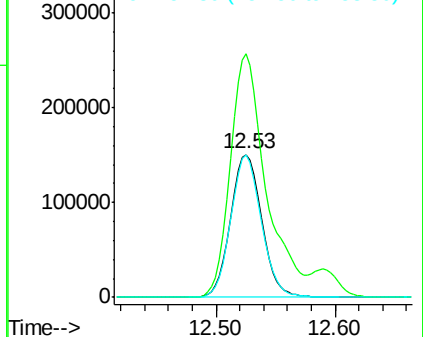
158 97.2 49.0 147.2



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: 50.740 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054616.D

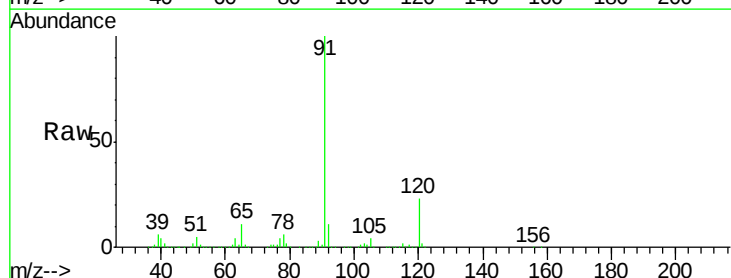
Acq: 23 Mar 2019 21:01

Tgt Ion: 91 Resp: 1203071

Ion Ratio Lower Upper

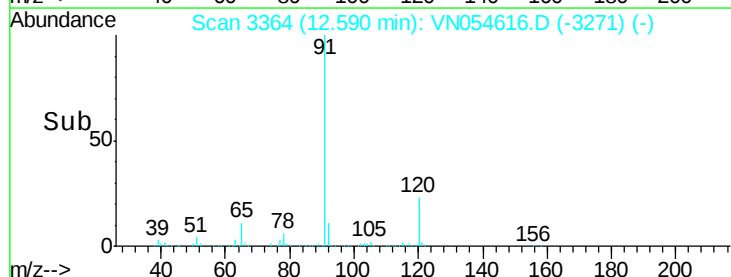
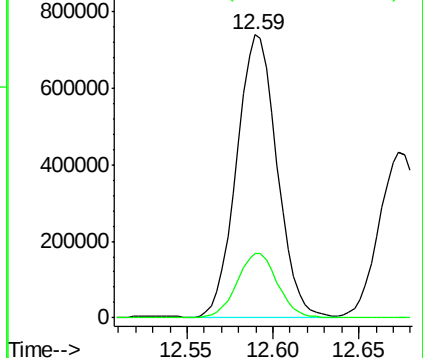
91 100

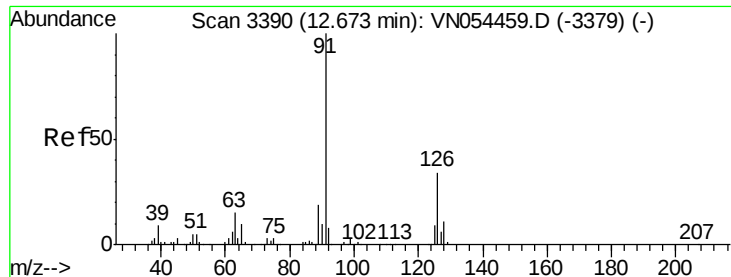
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.061 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

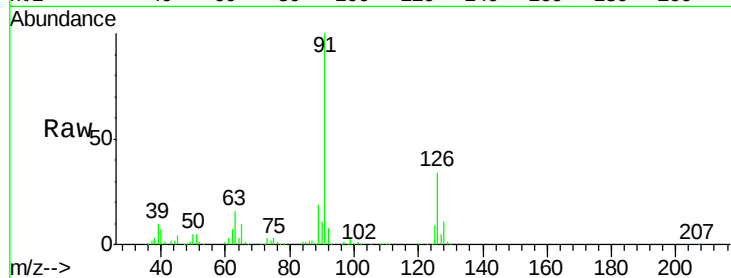
VSTDCCC050

Tot Ion: 91 Resp: 740194

Ion Ratio Lower Upper

91 100

126 34.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

400000

300000

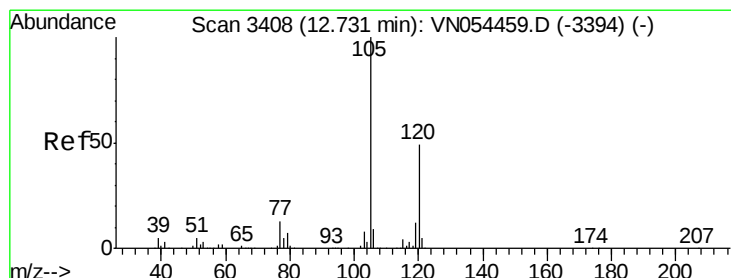
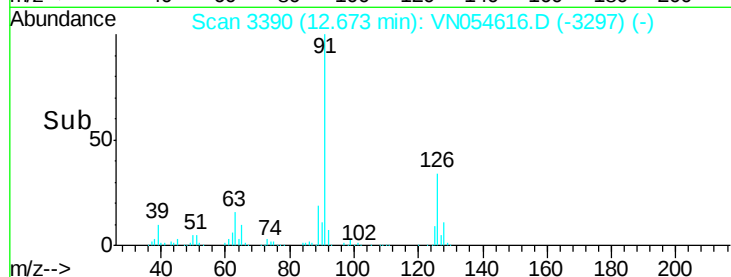
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.653 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054616.D

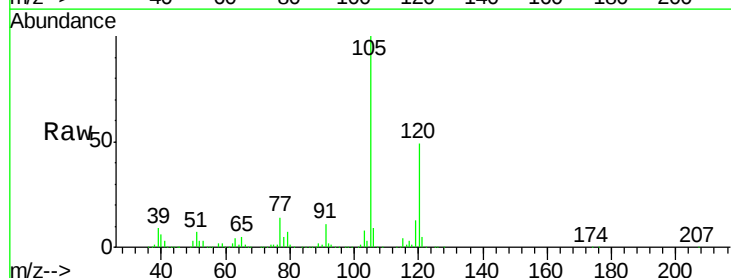
Acq: 23 Mar 2019 21:01

Tgt Ion: 105 Resp: 889843

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

500000

400000

300000

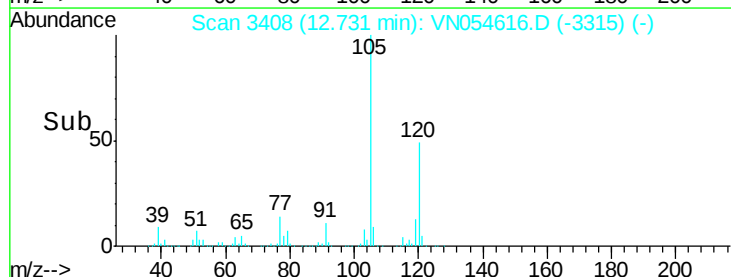
200000

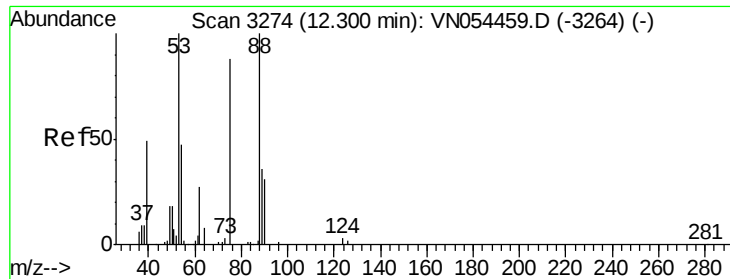
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.838 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

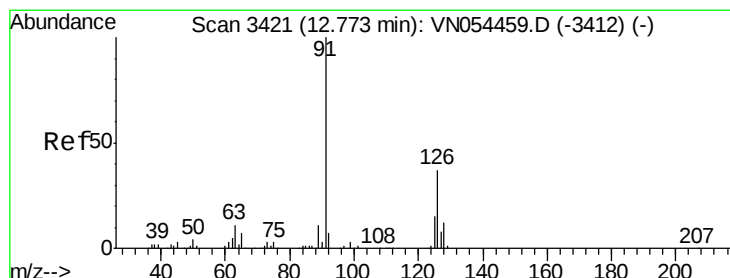
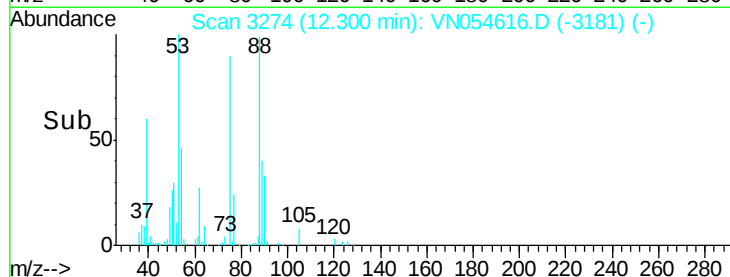
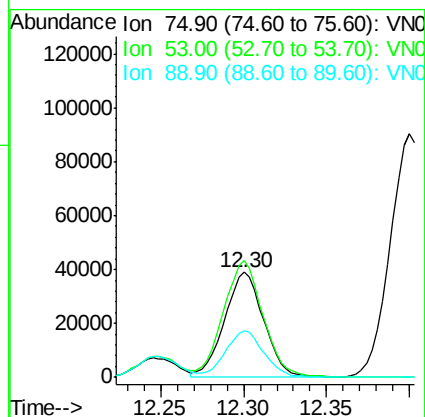
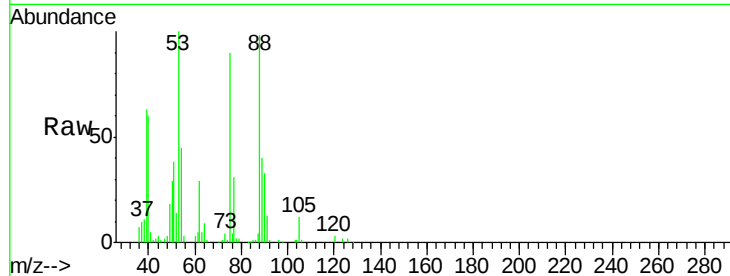
Tot Ion: 75 Resp: 63570

Ion Ratio Lower Upper

75 100

53 112.9 76.2 114.2

89 43.8 39.2 58.8



#82

4-Chlorotoluene

Concen: 50.947 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054616.D

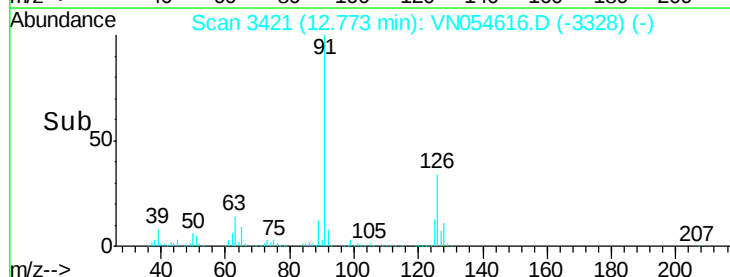
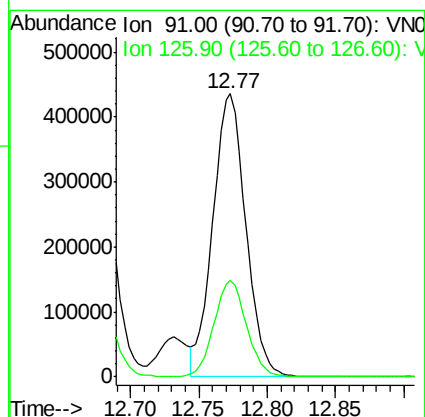
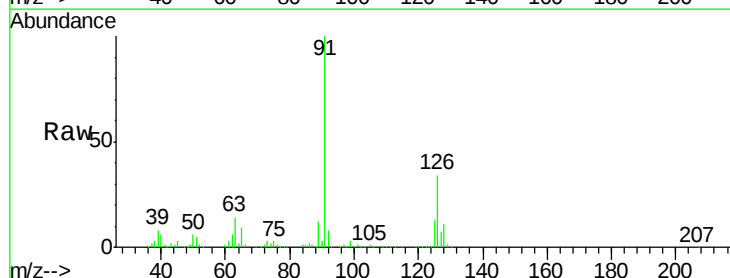
Acq: 23 Mar 2019 21:01

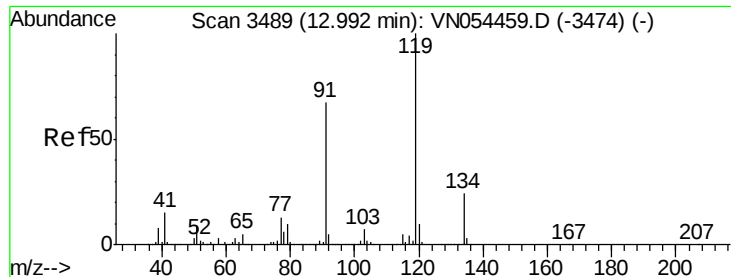
Tgt Ion: 91 Resp: 730174

Ion Ratio Lower Upper

91 100

126 33.6 18.1 54.1

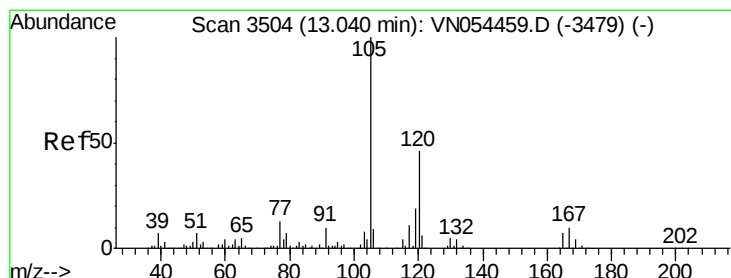
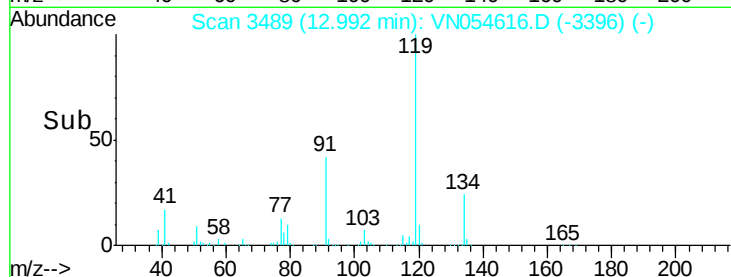
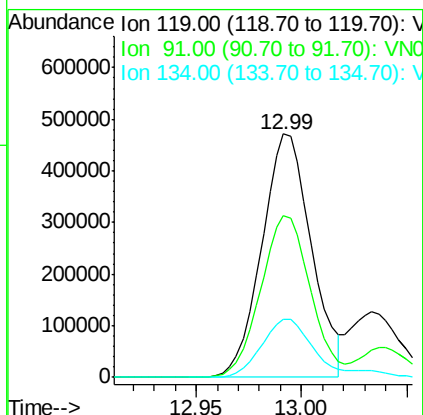
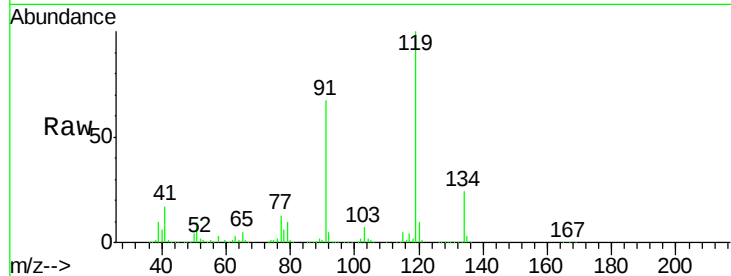




#83
tert-Butylbenzene
Concen: 49.348 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

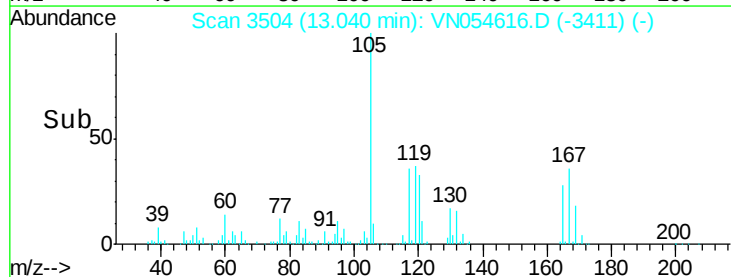
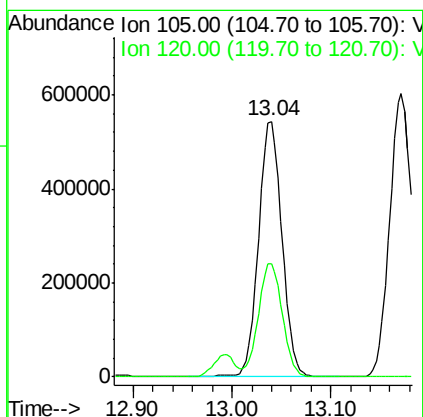
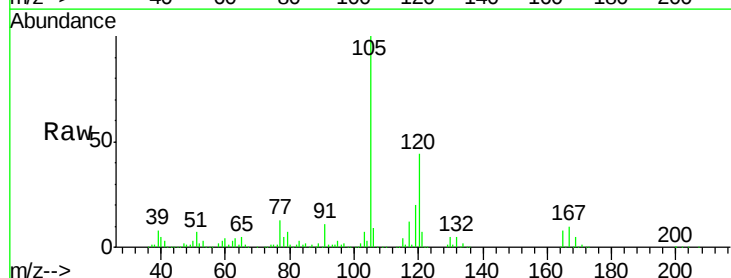
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

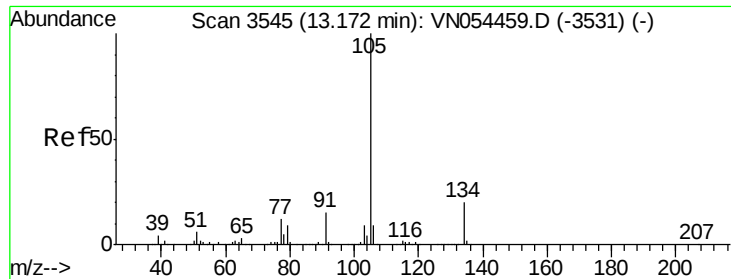
Tot Ion:119 Resp: 769798
Ion Ratio Lower Upper
119 100
91 66.7 30.9 92.8
134 26.4 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.603 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054616.D
Acq: 23 Mar 2019 21:01

Tgt Ion:105 Resp: 889835
Ion Ratio Lower Upper
105 100
120 45.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 49.730 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

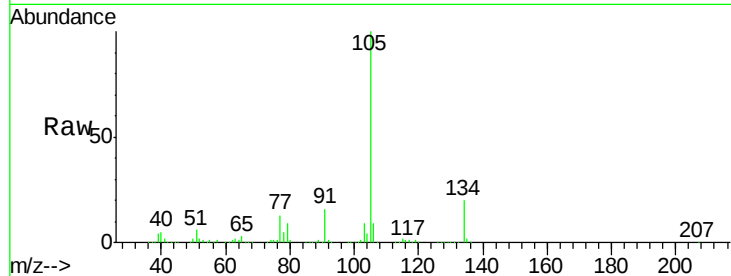
VSTDCCC050

Tot Ion:105 Resp: 967044

Ion Ratio Lower Upper

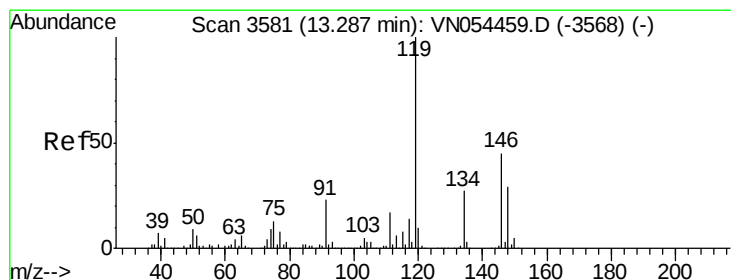
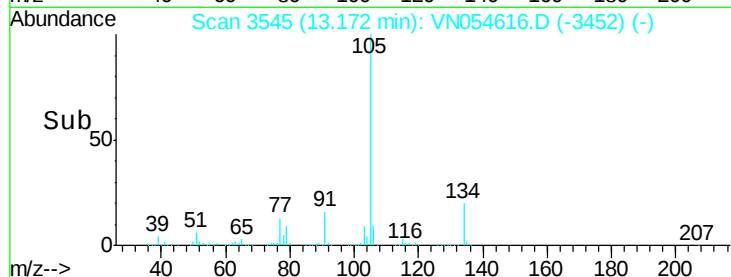
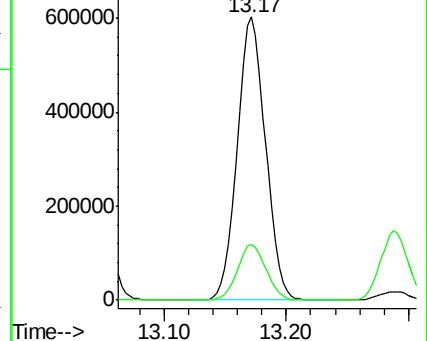
105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.179 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

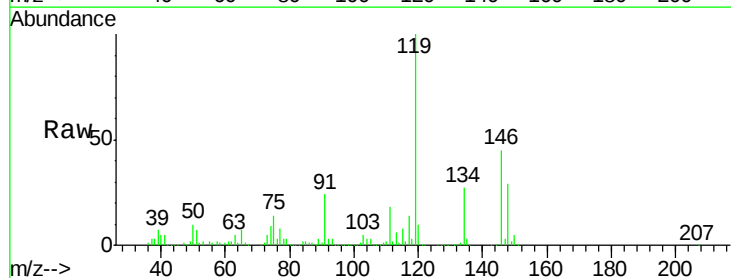
Tgt Ion:119 Resp: 855581

Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

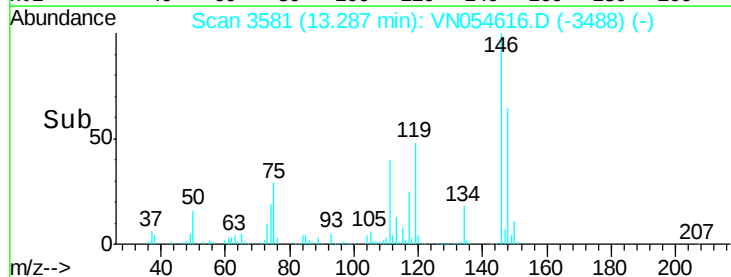
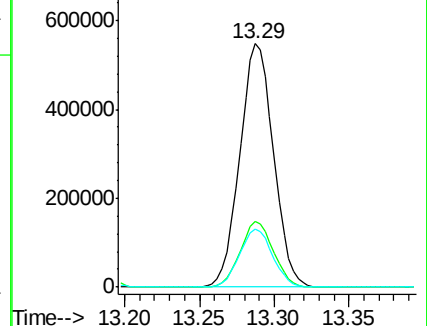
91 23.4 11.1 33.3

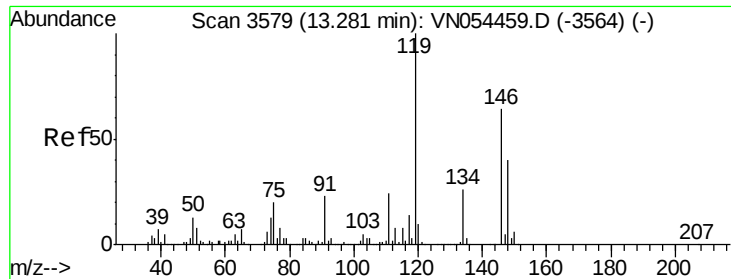


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

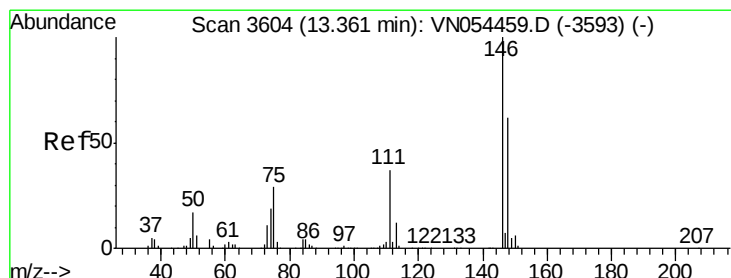
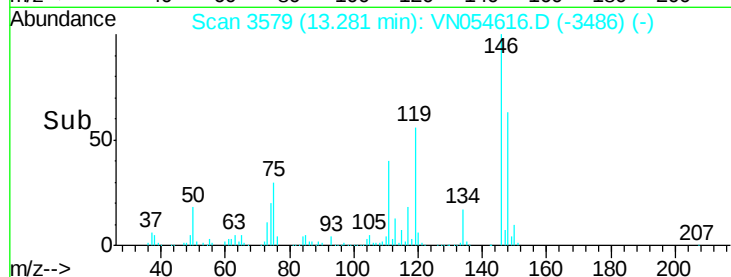
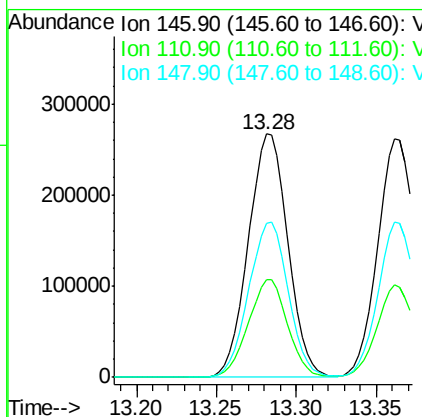
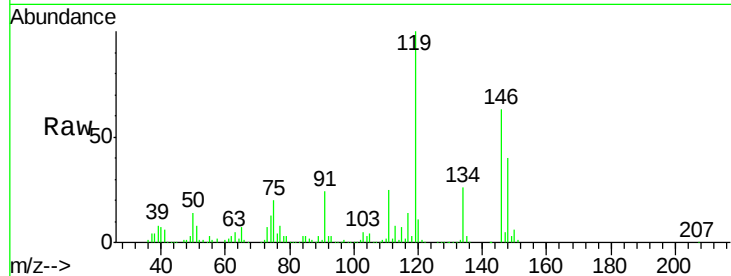




#87
 1,3-Dichlorobenzene
 Concen: 50.389 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

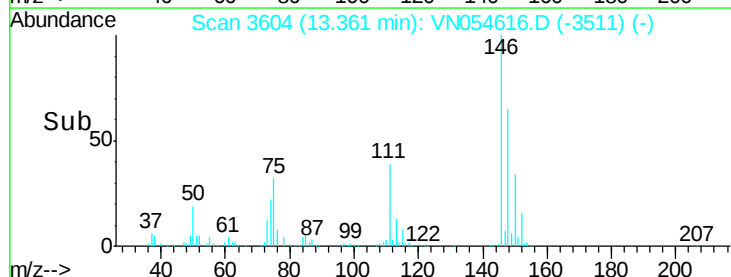
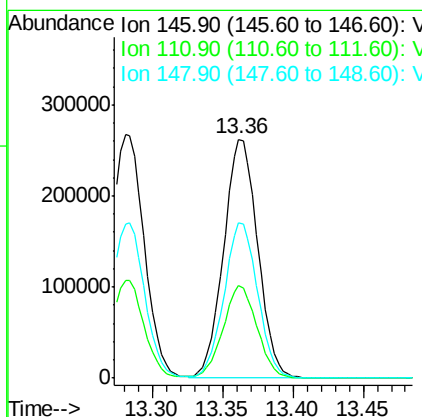
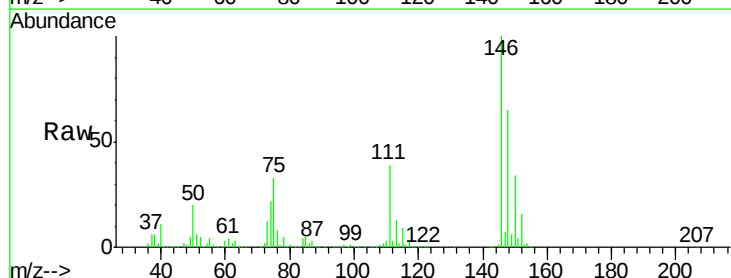
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

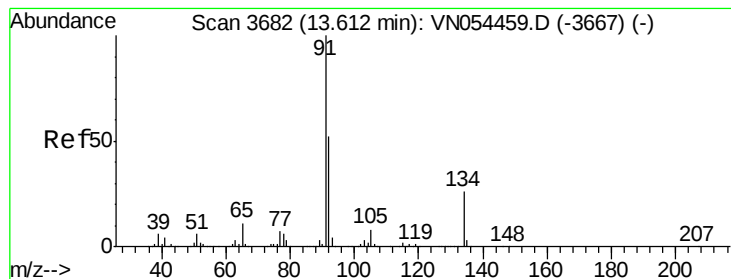
Tot Ion:146 Resp: 452838
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.8 56.3
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.418 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion:146 Resp: 440855
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.1
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 50.644 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

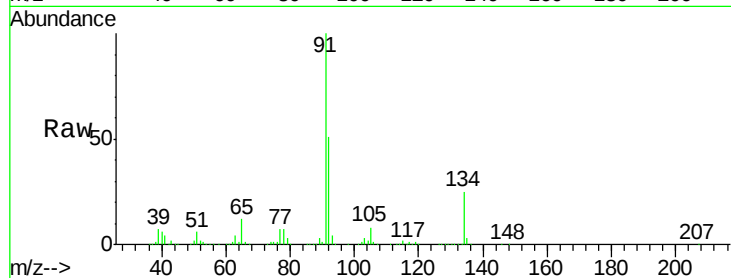
Tot Ion: 91 Resp: 688939

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

134 25.6 14.3 42.9

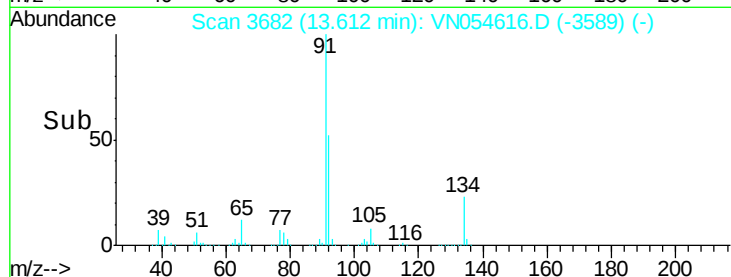


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)

Time-->

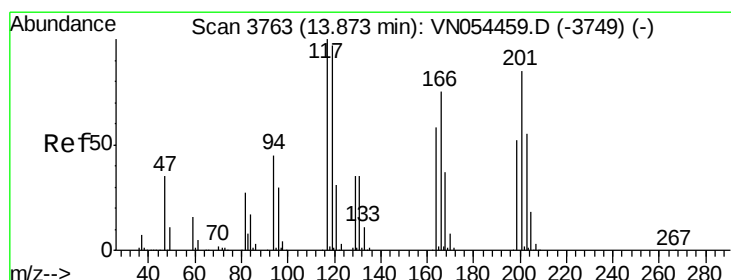


Abundance Ion 91.00 (90.70 to 91.70): VN054616.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN054616.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN054616.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 54.598 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054616.D

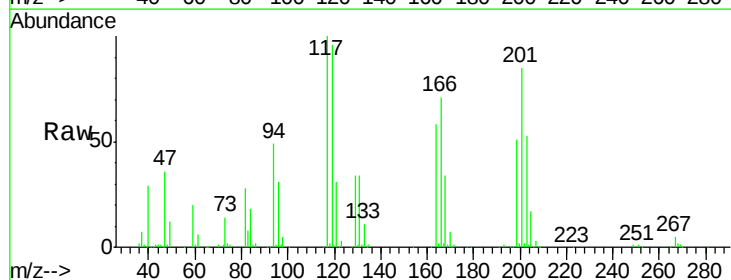
Acq: 23 Mar 2019 21:01

Tgt Ion: 117 Resp: 147441

Ion Ratio Lower Upper

117 100

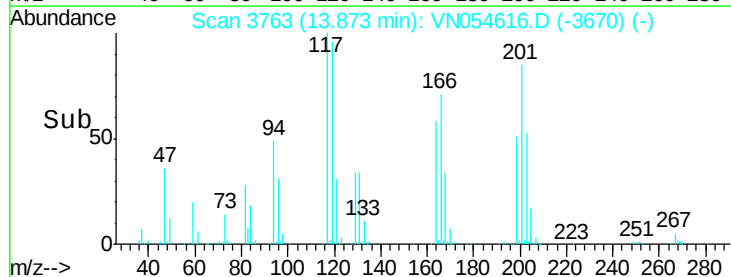
201 84.6 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

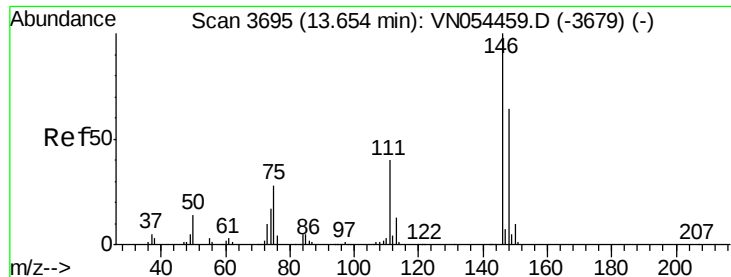
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054616.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN054616.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 51.704 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

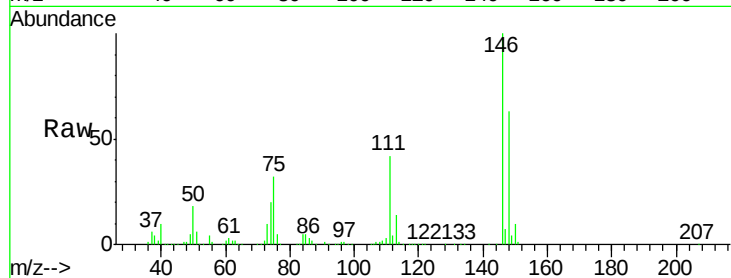
Tot Ion:146 Resp: 450060

Ion Ratio Lower Upper

146 100

111 41.6 19.1 57.3

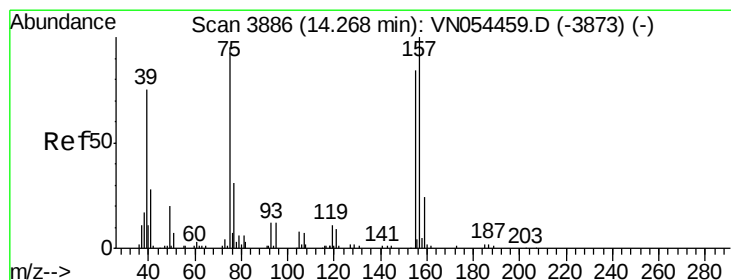
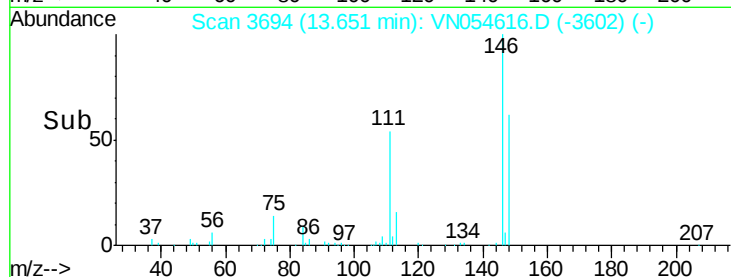
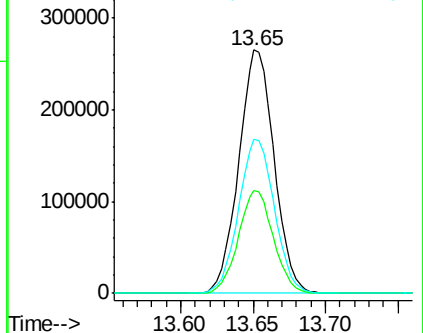
148 64.0 32.4 97.0



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: 58.903 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

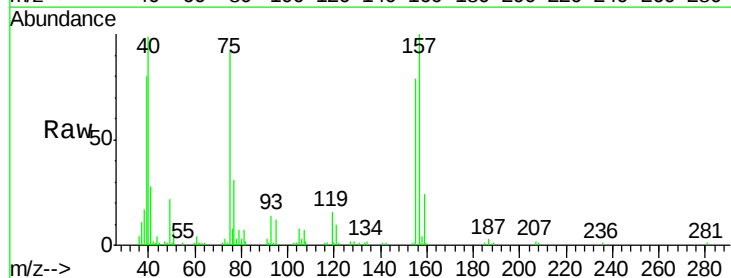
Tgt Ion: 75 Resp: 43125

Ion Ratio Lower Upper

75 100

155 84.7 50.1 150.3

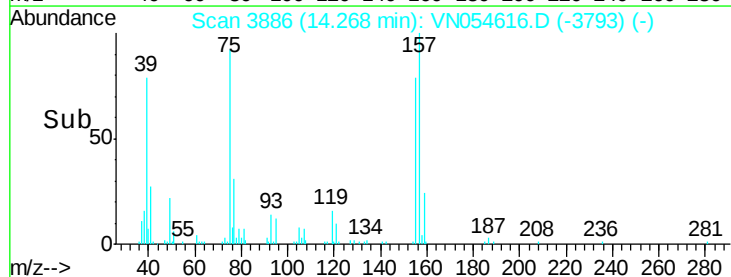
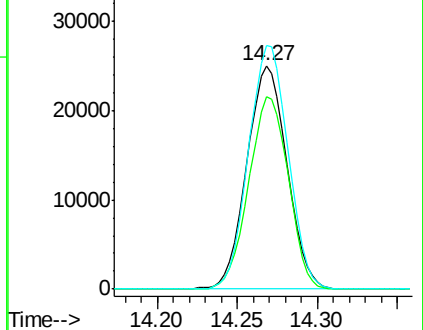
157 107.1 63.1 189.3

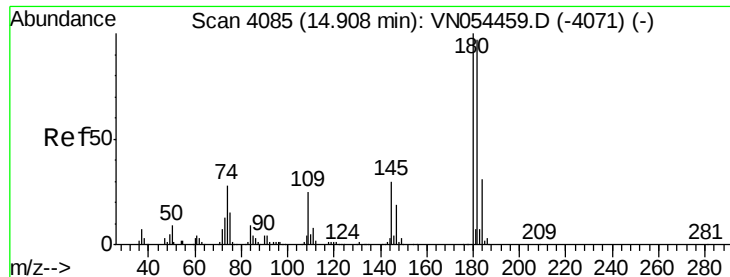


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

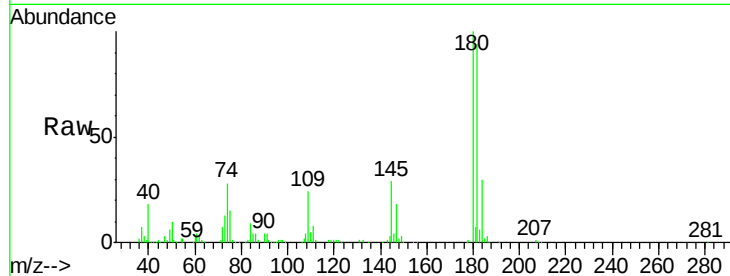




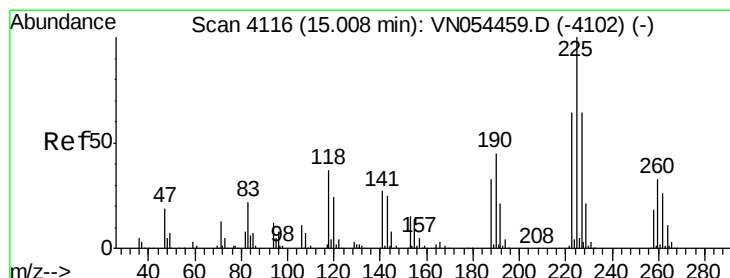
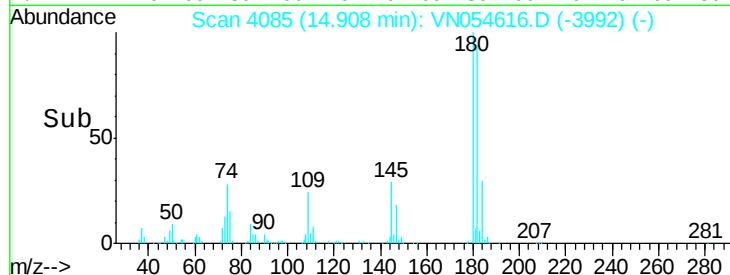
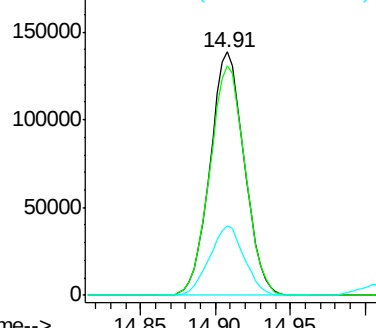
#93
 1,2,4-Trichlorobenzene
 Concen: 51.026 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 221417
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.0 144.2
 145 28.9 14.2 42.8

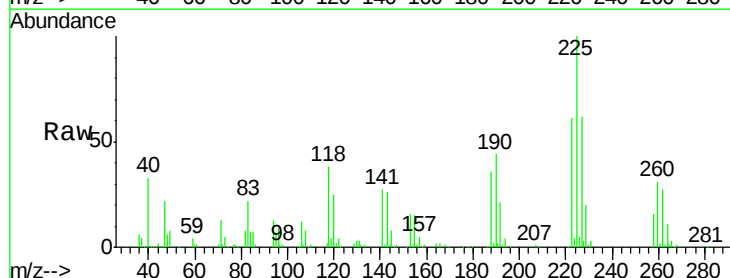


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

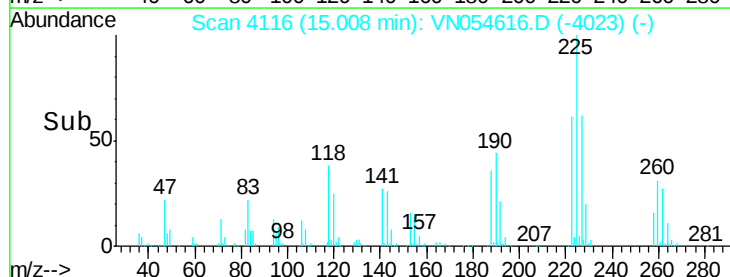
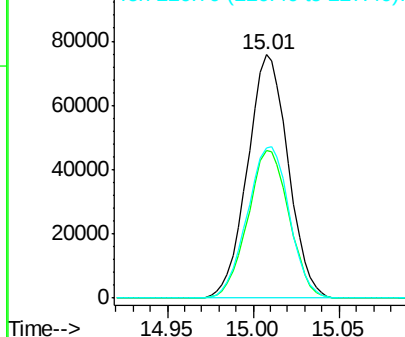


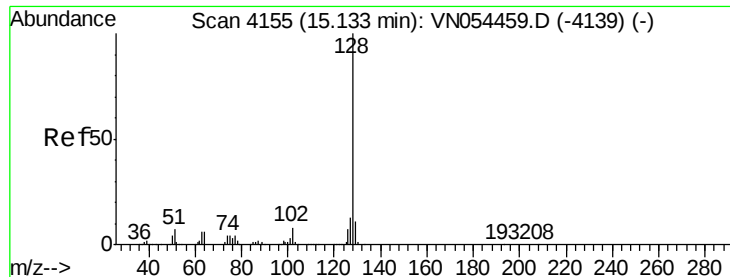
#94
 Hexachlorobutadiene
 Concen: 50.928 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054616.D
 Acq: 23 Mar 2019 21:01

Tgt Ion:225 Resp: 124051
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 64.2 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.862 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

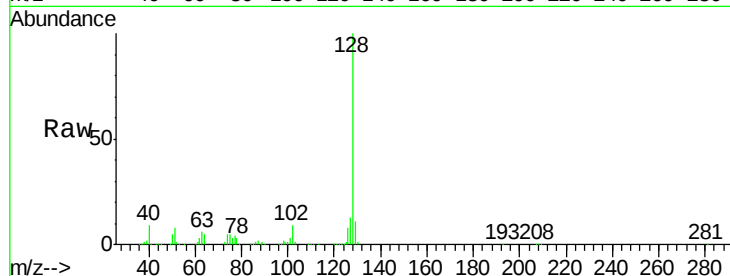
Tot Ion:128 Resp: 521328

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

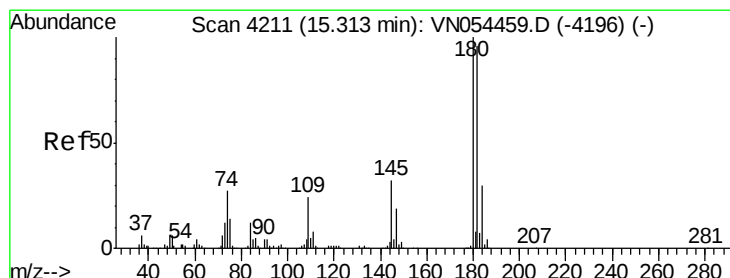
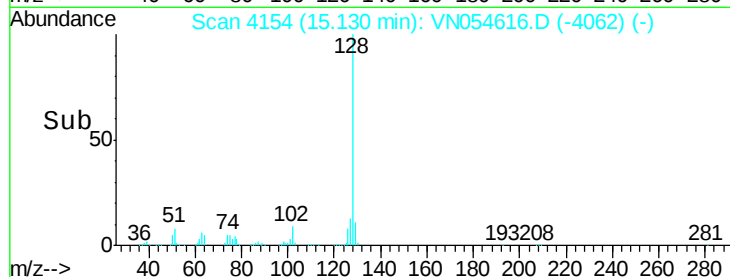
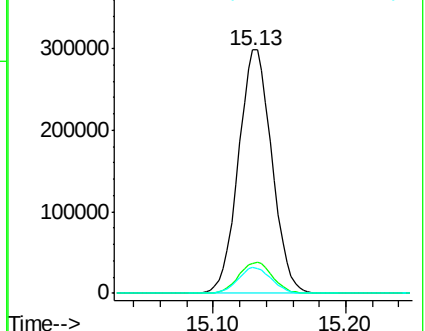
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.760 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054616.D

Acq: 23 Mar 2019 21:01

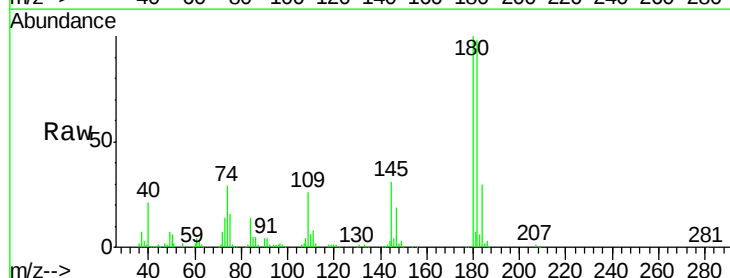
Tgt Ion:180 Resp: 223543

Ion Ratio Lower Upper

180 100

182 96.1 47.5 142.6

145 30.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

